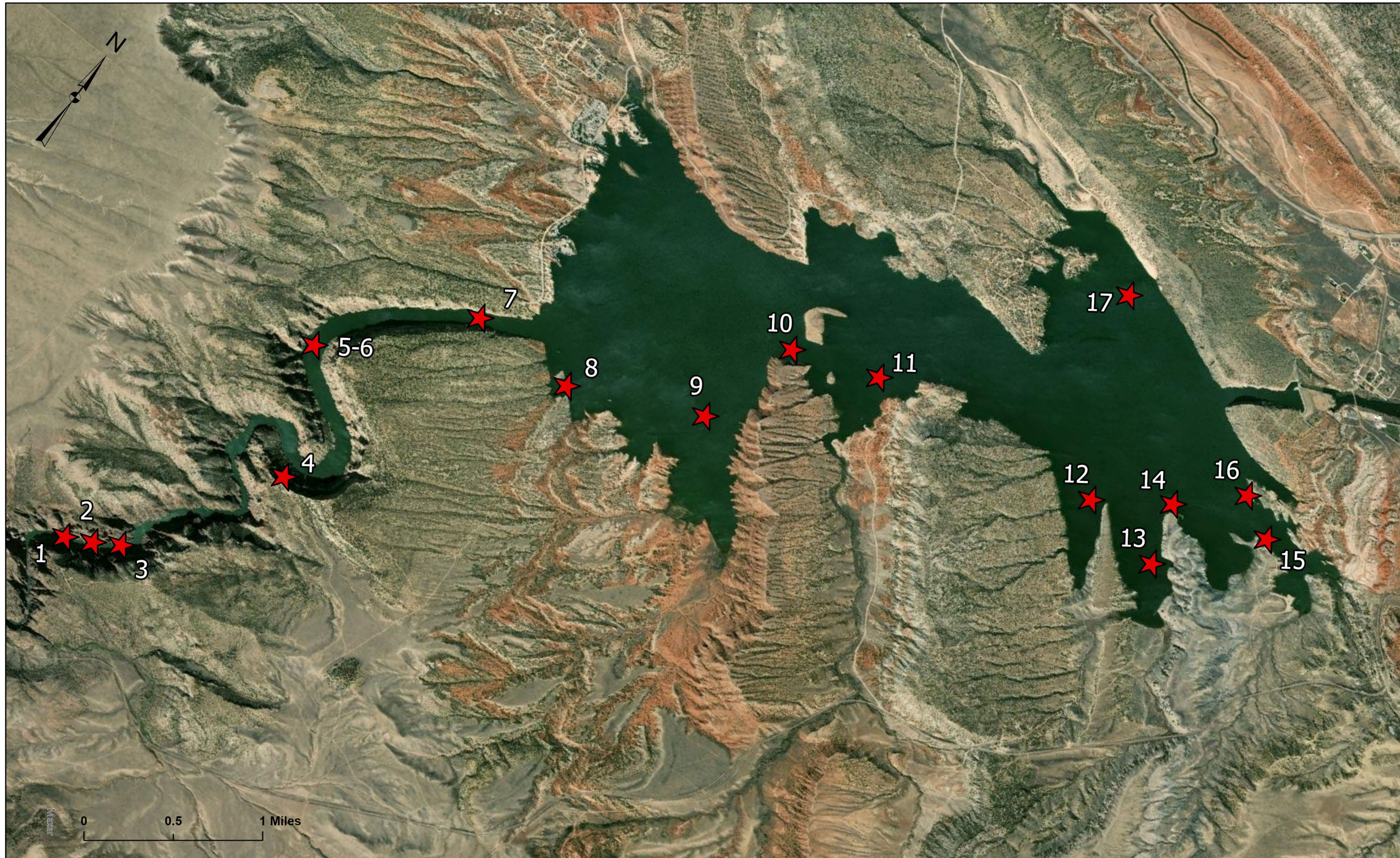


Geology of Alcova Reservoir





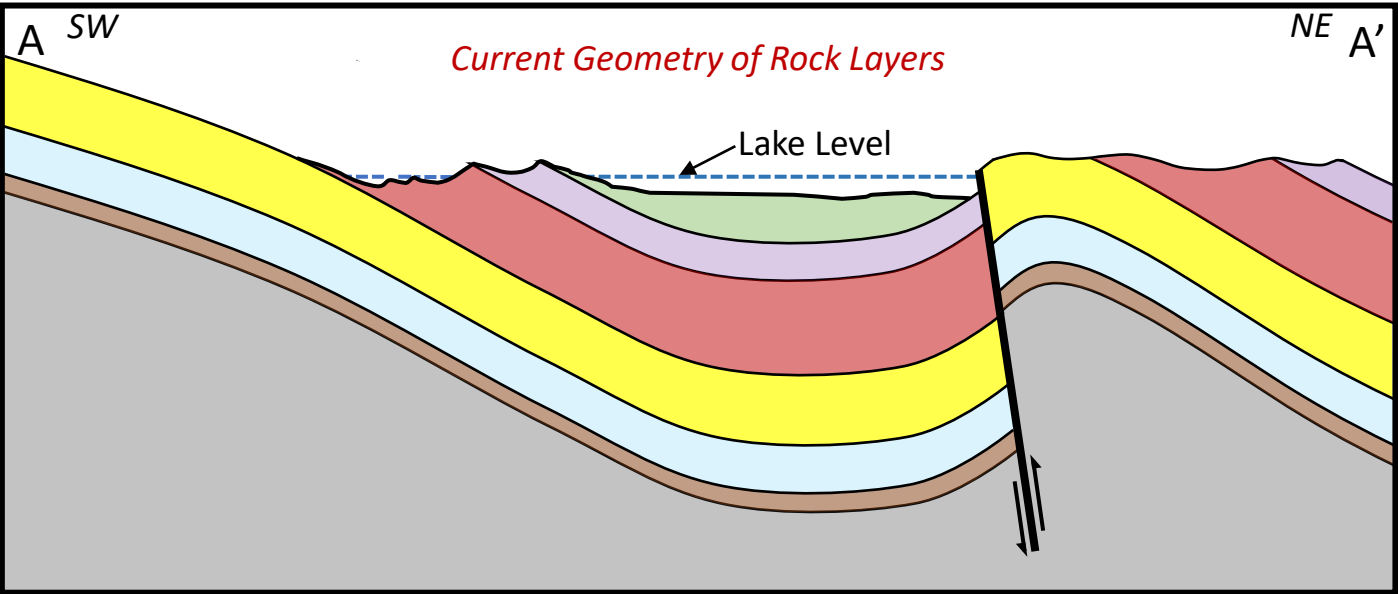
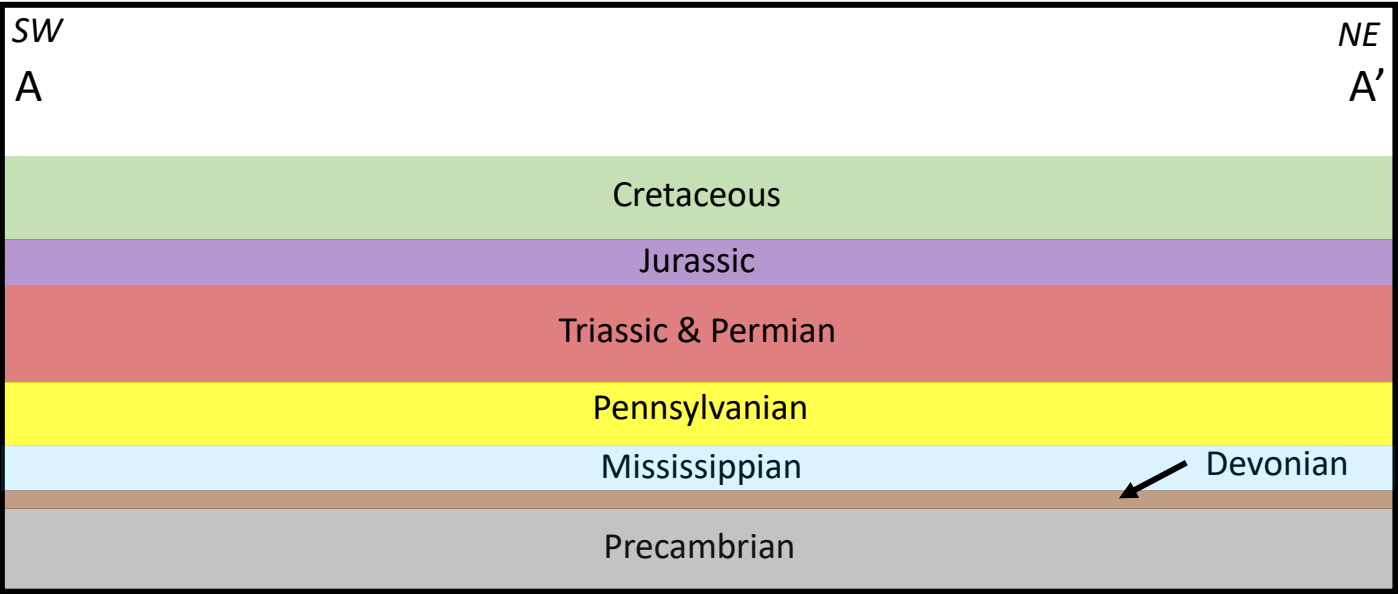
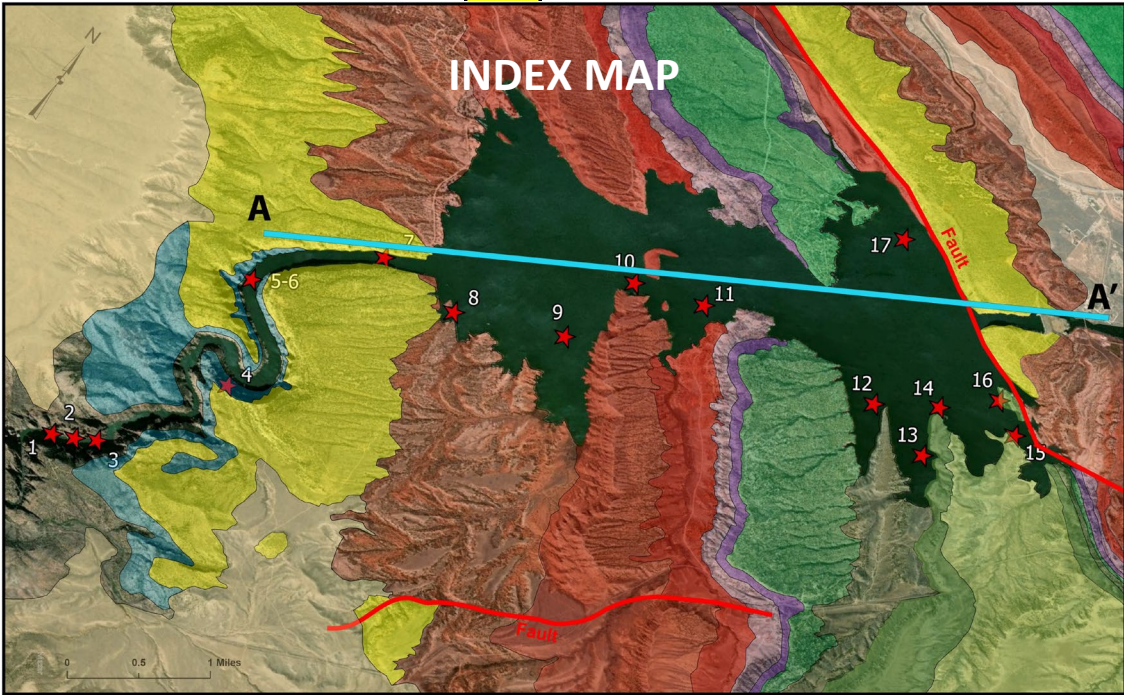
Fremont Canyon View looking northeast



Stratigraphy & Structure of Alcova Reservoir

Mya	Period	Formation	Lithology	Environment	Year of Years Date
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35	Tertiary	White River	Sandstone, siltstone, volcanic ash	Fluivial, eolian, lacustrine	Dec 29 eve
				<i>Dinosaurs go extinct Dec 27, 4:30 pm</i>	
65.5		Frontier	Shale and sandstone, gray to tan	Alluvial plain, deltaic, shallow marine	Dec 25 morn
		Mowry	Shale, gray to black, silicic, bentonitic, organic-rich	Marine	Dec 24
		Muddy	Sandstone & shale, gray , tan, black	Estuarine-marine	Dec 23 eve
		Thermopolis	Shale gray-black with thin tan sandstones	Marine	Dec 23
105	Cretaceous	Cloverly Dakota Ss Lakota Ss	Chert-pebble conglomerate, sandstone, shale, tan - gray	Stream, coastal plain, shallow marine	Dec 21 - 23 morn
138		Morrison	Shale, siltstone, mudstone, sandstone, varied colors	Coastal plains	Dec 19 - 20
		Sundance	Shale, siltstone, sandstone, gray-green	Shallow marine	Dec 15 eve - 19
202	Jurassic				
		Jelm	Pink-red siltstone, shale, limestone, some conglomerate	Tidal flat to shallow marine	Dec 14 - 15 morn
	Triassic	Alcovra Ls	Limestone, lavender-gray	Marine	Dec 14 morn
		Chugwater	Pale red to reddish brown siltstone, shale, sandstone	Tidal flat	Dec 12 - 14 morn
251	Permian	Goose Egg	Pale red to reddish brown siltstone with thin beds of light gray limestone, dolomite, and salt	Tidal flat to shallow marine	Dec 8 – 12
				<i>mass extinction eve of Dec 11</i>	
299		Minnelusa / Tensleep Ss	Quartz sandstone, cross-bedded, tan, some dolomite, gray-tan	Desert and coastal sand dunes	Dec 6-7 eve
		Amsden Dol	Dolomite & dolomitic limestone	Shallow marine	Dec 5-6
323	Pennsylvanian	Darwin Ss	Thin, cross-bedded sandstone	Beach	Dec 5 morn
		Madison Ls	Limestone, carbonate breccia, cherty limestone, dolomitic limestone, gray with red-orange siltstone	Marine	Dec 3 - 5 morn
359	Mississippian				
		Fremont Ss	Quartz sandstones, interbedded siltstones, ripples, cross-bedded, dark red-brown	Coastal plain, stream, beach	Nov 30 - Dec 2
Upper Devonian					
				<i>Multi-cell life begins morn of Nov 8</i>	
1,900	Precambrian				
		Wyoming Batholith	Diabase dikes, blackish green Granite, pink-tan		June 3
2,800					March 20 - 25



Geology of Alcova Reservoir

