

TERTIARY SYSTEM	EUROPEAN STAGE	WESTERN INTERIOR OF CONTERMINOUS UNITED STATES		KASSLER QUADRANGLE		
		Reference sequence	Suggested zonal indices	Section	Zonal indices	
Cretaceous	Thanelian		Primitive mammals <i>Rhamnus goldianus</i> <i>Cercidiphyllum arcticum</i>			
	Montian	Fort Union formation		Dawson arkose		
Upper	Danian?	Hell Creek formation	Triceratops			
	Maestrichtian	Fox Hills sandstone	Sandstone member		Laramie formation	
			Shale and sandstone member			
			Timber Lake member	<i>Discoscaphites nebrascensis</i>		
			Trail City member	<i>Discoscaphites nicolei</i>		
	Campanian	Montana group	Elk Butte member	?	Fox Hills sandstone	
			Mowbride member	<i>Baculites clinolobatus</i>	Pierre shale	<i>Baculites clinolobatus</i> , <i>Inoceramus?</i> <i>fibrosus</i>
				<i>Baculites grandis</i> <i>Baculites baculus</i>		<i>Baculites grandis</i> <i>Baculites baculus?</i> <i>Baculites eliasi</i>
			Virgin Creek member	<i>Baculites eliasi</i>		<i>Baculites compressus?</i>
			Verendrye member	<i>Baculites reesidei</i> <i>Baculites compressus</i>		<i>Baculites n. sp.</i> (coarse ribs on venter)
<i>Baculites corrugatus</i>						
DeGrey member			<i>Baculites crickmayi</i> <i>Baculites pseudovatus</i>			<i>Didymoceras nebrascense</i>
Crow Creek member						<i>Baculites scotti</i> , <i>Scaphites n. sp.</i>
Gregory member			<i>Baculites scotti</i> <i>Baculites gregoryensis</i>			Hygiene sandstone member <i>Baculites scotti</i> , <i>Anapachydiscus?</i> <i>complexus</i> <i>Didymoceras sp.</i> , <i>Menvites?</i> n. sp. <i>Baculites gregoryensis</i>
Sharon Springs member of Missouri River valley			<i>Baculites n. sp.</i> (weak ribs on venter) <i>Baculites obtusus</i>			<i>Baculites n. sp.</i> <i>Baculites asperiformis</i> <i>Baculites obtusus</i>
Eagle sandstone	<i>Baculites aquilaensis</i> <i>Scaphites hippocrepis</i>					
Santonian	Telegraph Creek formation	<i>Desmocaphites bassleri</i>		Upper orange chalk <i>Baculites sp.</i>		
Coniacian	Niobrara formation		<i>Desmocaphites erdmanni</i> <i>Clisocaphites choteauensis</i> <i>Clisocaphites vermiformis</i> <i>Scaphites depressus</i> <i>Scaphites ventricosus</i>	Smoky Hill shale member	<i>Clisocaphites choteauensis</i>	
		Fort Hays limestone member	<i>Inoceramus deformis</i>	Fort Hays limestone member	<i>Inoceramus deformis</i> , <i>Pernoceras sp.</i> <i>Inoceramus aff. perplexus</i> Whitfield (lower 15 ft)	
		Sage Breaks member	<i>Scaphites corvensis</i>			
		Turner sandy member	<i>Scaphites nigricollensis</i> <i>Scaphites whitfieldi</i> <i>Scaphites ferronensis</i> <i>Prionocyclus wyomingensis</i> <i>Scaphites warreni</i>		Codell sandstone member <i>Prionocyclus wyomingensis</i>	
Turonian	Colorado group	Blue Hill shale member	<i>Scaphites cartilensis</i> <i>Collignoniceras hyatti</i>	Carlisle shale		
		Fairport chalky member	<i>Scaphites larvaformis</i> <i>Collignoniceras woolgari</i>		Fairport chalky shale member <i>Collignoniceras?</i> sp.	
		Pfeiffer limestone member	<i>Inoceramus labiatus</i>		Bridge Creek limestone member <i>Inoceramus labiatus</i>	
		Jetmore chalk member	<i>Sciponoceras gracile</i>		Hartland shale member <i>Inoceramus pictus</i>	
Denomanian	Greenhorn limestone	Hartland shale member	<i>Dunveganoceras albertense</i>			
		Lincoln limestone member	<i>Dunveganoceras pondi</i>		Lincoln limestone member <i>Calycooceras canitaurinum</i> <i>Inoceramus pictus</i>	
		Belle Fourche shale	<i>Acanthoceras?</i> sp. A <i>Acanthoceras?</i> <i>amphibolium</i> <i>Calycooceras</i> sp.	Graneros shale		
Lower	Albian	Mowry shale	<i>Neogastropites</i>		Mowry shale equivalent	
		Newcastle sandstone	<i>Neogastropites</i> sp.			
		Skull Creek shale	<i>Inoceramus comancheanus</i> <i>Orytropidoceras</i>		Unnamed sandstone unit Van Bibber shale member Kassler sandstone member <i>Inoceramus bellvuenensis</i>	
		Fall River formation	?		Unnamed shaly unit <i>Inoceramus comancheanus</i>	
		Red shale			Plainview sandstone member	
		Draney limestone				
		Bechler conglomerate	<i>Protelliptio douglassi</i>		Lytile formation	
		Peterson limestone				
		Ephraim conglomerate	?			
		Upper	Oxfordian	Unnamed member A		
Redwater shale member	<i>Cardioceras</i> spp. <i>Cardioceras cordiforme</i> <i>Quenstedtoceras collieri</i>				Ralston Creek formation <i>Echinochara spinosa</i>	
Unnamed member B						
Lak member						
Hulett sandstone member?	<i>Kepplerites mclearni</i> <i>Kepplerites tychonis</i>					
Stockade Beaver shale member	<i>Gowericeras subitum</i> <i>Gowericeras costidensum</i>					
Canyon Springs sandstone member?	<i>Artioceras codyense</i>					
Middle	Bathonian		<i>Arctoccephalites</i> ? <i>Stemmatoceras</i> <i>Stemmatoceras</i> and <i>Chondroceras</i>			
Lower	Bejocian	Gypsum Spring formation				
Upper	Toarcian	Nugget sandstone				
Middle	Rhaetian	Jelm formation				
		Upper member				
		Lower member				
Lower	Soythian	Chugwater formation (part)	<i>Prohungarites</i> <i>Columbites</i> <i>Tirolites</i> <i>Anasibirites</i> <i>Meekoceras</i> <i>Genodiscus</i> <i>Otoceras</i> , <i>Ophiceras</i>			
Permian	Tatarian	Rocks of Ochoa age	<i>Cyclolobus</i>		Strain shale member of LeRoy (1946)	
Permian	Kazanian	Rocks of Guadalupe age	<i>Polytiodina</i> <i>Parafusulina</i>		Glennon limestone member of LeRoy (1946)	
Pennsylvanian	Kungurian	Rocks of Leonard age			Bergen and Harriman shale members of LeRoy (1946) undifferentiated	
Pennsylvanian	Artinskian	Rocks of Leonard age			Lyons sandstone	
Pennsylvanian	Sakmarian	Rocks of Wolfcamp age	<i>Paraschwagerina</i>		(Transition beds)	
Pennsylvanian	Stephanian	Rocks of Virgil age	<i>Lissochonetes</i> and <i>Chonetes transversalis</i> <i>Triticites</i>		Fountain formation	
Pennsylvanian	Westphalian	Rocks of Des Moines age	<i>Mesolobus mesolobus</i> and <i>Marginifera muricatina</i> <i>Fusulina</i>			
Pennsylvanian	Namurian	Rocks of Atoka (Lampasas?) age	<i>Mesolobus striatus</i> <i>Marginifera haydenensis</i> and <i>Marginifera nana</i> <i>Fusulinella</i>			
Pennsylvanian	Morrow	Rocks of Morrow age	<i>Hustedia miseri</i> <i>Marginifera haydenensis</i> and <i>Marginifera nana</i>			

CORRELATION OF ROCKS IN THE KASSLER QUADRANGLE, JEFFERSON AND DOUGLAS COUNTIES, COLORADO WITH A REFERENCE SEQUENCE FOR THE WESTERN INTERIOR OF CONTERMINOUS UNITED STATES