Generalized columnar section of sedimentary rocks exposed in the Cedar

Mesa-Boundary Butte area, San Juan County, Utah

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		and g	, serie			Formation and member	Thickness (feet)	COLUMNA SECTIO	N	Lithologic description	
			RNAR			errace gravels, alluvium, sand dunes	1	0.88000	60	Terrace gravel along San Juan River, allovium along major streams, and windblown sand mostly on upland areas Unconformity	
			(-1		Tertiary(?) undivided	0-55			Tan and brown shaly and silty, unconsolidated sandstone with interbedded conglomerate Unconformity	
					ANI	Brushy Basin shale	243	9. d. e		Variegated shale with ten conglomeratic sandstone. Top not exposed in map area	
					formation	member Westwater				Crayish-yellow and yellowish-brown sandstone	
					1	Canyon sandstone	187			and interbedded light greenish-gray and light olive-gray shale	
			sic		Morrison					OTIVOTEL STILL	
					2	Recapture shale	285			Buff sandstone and interbedded dark reddish-brown siltstone and	
		510	Jurassic			member				shale. Near Boundary Butte this unit is dominantly sandstone and the basal part may be equivalent to the Salt Wash sandstone member	
		JURASSIC	Upper				345				
		35	and L			Bluff	34-338			Massive, buff sandstone;	
			Middle	dno		sandstone	74-330			in part crossbedded	
			M	1 91							
				San Rafae		Summerville formation	136-160			Dark reddish-brown siltstone and shale with interbedded white and tan sandstone	
				Si	Entrada sandstone Carmel	61-125			Reddish-orange and reddish-brown		
									sandstone		
						formation	77-165	· · ·		Dark reddish-brown shale and interbedded sandstone	
			Lower			Navajo					
		2	?) and rassic	0		sandstone	202-405			Massive, grayish-orange and buff, crossbedded sandstone	
		TRIASSIC(?)	Triassic(?) and Lower Jurassic	group							
		TRIA	Upper Ti	Canyon		Kayenta	35-128			White, reddish-orange, and pale-red sandstone locally confains	
			77	Glen u		formation				some thin, gray limestone and reddish-brown shale	
						Wingate	265			Massive, reddish-brown and reddish-orange	
						sandstone				crossbedded sandstone	
						Chinle formation undivided	956-1130				
										Reddish-orange siltstone and some sandstone. Equivalent in part to	
										Church Rock member	
			v							Pale-red shale with interbedded reddish-orange siltstone	
		SSIC	Triassic							and conglomeratic, gray and light-green and pink	
		TRIAS	Upper		formation					limestone and pale-red sandstone. Equivalent in part to Owl Rock member	
			dn		form					so own rock member	
					Chinle						
					5					Pale-blue and pale-red shale. Locally, the lower part contains	
										brown shale with some thin gandstone. Equivalent in part to	
										Petrified Forest and Monitor Butte members	
						Shinarump member	0-45	10 0 0		Buff, conglomeratic sandstone. Present in southern part of map area; pinches out northward	
	10(2)	nd ASSIC	cower,	1,0	On		69-254	2.001		Dark reddish-brown siltstone and some interbedded	
	TRIASS	RIAS) 1	Triass	formation		07=234	100 p. 100 p		sandstone	
	1		рио	Σ	+	Hoskinnini member				Dark reddish-brown and buff sandstone with some interbedded siltstone and shale	
						De Chelly					
						sandstone	53-395			Massive, buff, crossbedded sandstone	
						member				Baltisotic	
					-						
						Organ Rock					
						tongue	642-704			Reddish-brown siltstone	
		2	2	Cutler formation							
		2			0						
		0	J				500-870	-1111-			
										On Cedar Mesa consists of buff, thick-bedded,	
								:-!!-:: :-:!!-::		massive sandstone with some interbedded reddish-brown siltstone. Along Comb Ridge member grades into	
						member		11		variegated siltstone and shale with some buff sandstone,	
								-11		gray limestone, and gypsum	
								71. 71. 11. 11.			
								////			
						Halmaita				Paddish huma villet	
						Halgaito tongue	372-441		-	Reddish-brown siltstone and very fine grained silty sandstone with thin lenses of gray limestone	
					U	Uppermost limestone in Lime Ridge area	0-4			Light-gray, fossiliferous limestone	
		7				Lime Ridge area Upper part	135			The cone	
		ENNSYLVANIAN and	and RMIAN (?)	tion							
			and							Gray limestone, generally fossiliferous and cherty; buff	
			PE	Rico		Lower part	370-420			sandstone; and reddish-brown siltstone and shale	
								1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
	ROUS				L						
	F										
	RBONI									- 500 FEET	
	CAR		2		Hermosa formation				G	sandstone: gray and greenish-gray siltetone	
							880			and shale; and locally some white gypsum.	
			O N N					I	Base not exposed		
			Ц								