SYSTEM	Series		Formation	- 1	Thickness (feet)	Lithology							
≿	Rece		lluviu	m	?	Sandstone, conglomerate, caliche.							
-> QUATERNARY	1 1	- Pieistocene				Siltstone, sandstone, conglowerate, partly tuffaceous. Basal recemented limestone and dolomite conglowerate in northern exposures.							
	Pilocene?				100?	Baselt, occasionally scoraceous.							
		Miocene - Pliocene:				Claystone, siltstone, sandstone, and conglomerate. Soft, often white.							
>	Oligocene	cene	group		200 ? 1285	Welded tuff (ignimbrite), brick-red to purple, with rare interbeds of white tuffaceous sediments.							
T E R T - A R	*		Lower Volconic		300·	Tuff and tuffaceous ecdiments, white, rarely stained green or orange, occasionally conglomeritic. Usually with a thin baselt near the top, becoming a thick quartz latite porphyry at Shingle Pass.							
	-	?	Ĭ	í	0 - 679	Conglowerate, with interbeds of varicolored clay and sandstone.							
				F	0-	Unconformity Clay, green, brown, or red, often silty. Some lenses of limestone, light-gray, near base in Sheep Pass area.							
				Ε	50- 154	Calcilutite, very-light-brown, with tan or white chart at the top.							
		i	otion	D	0-	Calcilutite or marlstone, white, siliceous, rarely cherty.							
	Eocene	u ⊕ ∪ 0	ass form	С	0-621	Sandstone, light-gray to tan, fine- to medium-grained, friable, porous, with rare interbeds of claystone. Two beds of granule conglomerate mean middle. Thin limestone beds near base.							
			Sheep P.	В	0-	Calcilutite and calcisitite, light-gray to tan, and whale, calcarecus. Strong petroliferous odor from fresh surfaces.							
•••				~~~~	~~~~								in olayey sandstone matrix.
		Penn.			517	Sendstone, yellow and light-brown, soft, calcareous, fine-grained, with a few interbeds of calcilutite and calcisiltite, light-brown.							
NSYLVANIAN		Middle Pennsylvanian	limestone		165	Calcisitite, yellow, brown, or pink, laminated and thin-bedded, "clinking" slopes, and ledges of calcilutite to calcisitite, light-gray or clive-gray. Rare brown chert.							
O.	-	Lower	1	Ely	135	Calcisitite and calcilutite, light-gray or light-clive-gray, thin- to thick-bedded or massive. Up to 50% of brown chert in some beds. Lower 200 to 300 feet is yellow-orange, coarse-grained calcarenite and calcareous mudgrading downward to calcisitite and mudstone, clive-gray, pink, or							

a.	Lower		E 19	1355		Calcisiltite and calcilutite, light-gray or light-olive-gray, thin- to thick-bedded or massive. Up to 50% of brown chert in some beds. Lower 200 to 300 feet is yellow-orange, coarse-grained calcarenite and calcareous mud-stome.
I SSIPPIAN .		Scot Was	h	350- 385		Sandstone, gray, pink, red, or brown, thin- to thick-bedded and cross bedded, fine- and medium-grained. Some clive-gray shale.
	Upper Mississipplar	Chainman	shale	724?- 1001		Shale, black, fissile, becoming olive-gray at top. Few interbeds of calcisitite. Lower 150 to 300 feet is brown-gray or varicolored mulstone. Few thin beds of black chert near base.
M S S	Lower Miss.	Joana	imestone	670- 705		Calcisitite and calcarenite, medium-gray, thin- to thick-bedded, crincidal in parts. Base is massive cliff, middle is clayey calcilutite with much red chert.
				0-114 0-137	4	Shale and calcilutite, clive-gray or yellow-gray.
		West	Ë	0- 257	蘳	Shale and mudstone, "scoty-gray", with a few calcimitite beds. Calcilutite, medium-gray or olive-gray, very clayer.
	Upper Devonian			1256- 1907		Calcilutite, medium-gray, medium-bedded to massive, interbedded with dolomite, yellow-brown (fine-grained) and light-gray (aphanitic), medium-to thick-bedded. Pew yellow clayey sones. Occasional brown obert.
2	?	11				
DEVONIA	onian			562 - 661		Calcilutite, medium-gray, massive, at base. Above is interbedded calcilutite and brown and white dolomite, as above, with much yellow clayer material.
	Middle Devi	Simonson	dolomite	1061 – 1168		Dolomite, alternating yellow-brown (fine-grained) and light-gray (aphanitic). Occasional calcilutite bed at top. Cliff of dolomite, brown-gray, fine-grained, in upper part. At base is dolomite, light-gray, medium- and coarse-grained, sandy.
	Lower Devonian	Sevy	€ :	1293 1323		Dolomite, light-gray to white, blocky, medium- and thick-bedded, aphanitic. Occasional sandy sone. Near top have up to 25 feet of sandstone, cross bedded, in south end of Egan Hange.
SILURIAN	Niagaran +?	Laketown	dolomite	1013		Upper 556 feet is dolomite, yellow-gray, saccaroidal, fine- to medium-grained. Much chert at top. Lower 457 feet is dolomite, brown-gray, medium- and thick-bedded, fine-grained. Some chert and sand.
	Cincin - nation	Fish	3	514 - 549		Dolomite, medium-dar-gray, thin- to thick-bedded, fine-grained.
	Tren - C Ponten? n	Eurako		465- 621	(Quartite, light-gray, white, or pink, thick-bedded or massive, fine-grained. Soft, coarser-grained sandstone near top and at base.
N	zyan			654- 760		Calcilutite, medium-gray or "bluish-gray", thin- to thick-bedded, often with interbeds at top of dolomite, olive-gray, fine-grained.
- -	Chaz		Kanosh	365- 453		Shale, olive-gray, with interbeds of calcisiltite, medium- to dark-gray, especially in lower part.
V O O R O	-?	ip Group		1148		Calcisitite, medium- and dark-gray, thin- to thick-bedded. Few intraformational limestone conglomerate and olive-gray shale beds.
	Canadian	Pogonip		770		Calcisitite, medium- and dark-gray, laminated to medium-bedded, with much intraformational limestone conglomerate and olive-gray flaky shale. Up to 5% of gray chert.
			House	414	700	Calcilutite and calcisiltite, medium-gray, up to 70% of chert.
-?-	?	1		1624- 1883		Calcilutite and calcisiltite, medium- and dark-gray, and dolomite, fine-grained to aphanitic. Light-gray coarse-grained dolomite at base.
	brion					Calcisittite and calcilutite, medium-gray, thin-bedded to massive. Up to 35% of gray chert in lower part.
	Camp	Dunde: fm		290- 322		Shale, olive-gray, flaky, and calcisitite and colitic calcarenite, medium-gray, medium-bedded to massive.
	Upper			467- 494		Oolitic calcarenite, calcilutite, and calcisiltite, medium-gray, with "tiger-stripe" surface pattern.
	3					Calcisiltite and calcilutite, medium-light-gray, thin- to thick-bedded,

Lower Combride	et Mountain	•		820			Argillite, yellow-brown to dark-brown, micaceous, with interbeds of quartzite, as below, and limestone, medium-gray, crystalline. Quartzite, red-brown, becoming medium-gray or white at top, thin- to thick-bedded, fine- and medium-grained. Upper 400 feet has much argillite, as above. Thin olivine basalt at base.
	Po I e	A	+	316 447			Calcisittite and calcilutite, light-yellow-gray, massive. Calcisittite, medium- and dark-gray, medium- and thick-bedded. Thinner bedded and clayey in middle part.
Middle	Canyon	0	=	153	量		medium-bedded, colitic. Calcisittite, medium-dark-gray, thin-bedded.
e Cambrian	limestone	-	E	488	F		Calcisitite, dark-gray, thin- to thick-bedded. Few light-gray &clomite beds. Occasionally colitic. Clayer at top. Calcisitite, very-light-gray, massive. Some calcarenite, medium-gray, medium-bedded, colitic.
E 0				211	3		Mudstone and shale, yellow-gray or light-gray, soft, calcareous. "Paper" calcilutite interbeds in lower part. About 35% of calcisitite, clive-gray or medium-dark-gray, laminated and thin-bedded, in upper part.
				104 25	5		Calcisittite and calcilutite, medium-gray, thin- and medium-bedded. Large scale intraformational brecciation of upper beds.
					12-		Calcisitite and calcilutite, medium-light-gray, thin- to thick-bedded, grading downward to calcisitite and mudstone, clive-gray, pink, or yellow, silty. Some colitic calcarenite and intraformational limestone conglomerate.
:	0000				87- 94		Oclitic calcarenite, calcilutite, and calcisiltite, medium-gray, with "tiger-stripe" surface pattern.
1	20 D	E Dunderbe			290- 322		Shale, olive-gray, flaky, and calcisiltite and oolitic calcarenite, medium-gray, medium-bedded to massive.
	brian						Calcisittite and calcilutite, medium-gray, thin-bedded to massive. Up
			- 1		624 883	7,7,7	Calcilutite and calcisiltite, medium- and dark-gray, and dolomite, fine grained to aphanitic. Light-gray coarse-grained dolomite at base.