		Southeast part of the quadrangle NAME	THICKNESS	LITHOLOGY			Northwest part of the quadrangle NAME	THICKNESS	LITHOLOGY
SILURIAN	Lower to Upper	(unnamed) Sun	2600'	Sun: Dark-gray, white to light-gray weathering slate with interbedded dark-gray, fine-grained, quartz-feldspar granulite. Granulite calcareous near the base of unit.	Sun	Sup, Sus, Sul, Sq, Sqp, Sa	(unnamed) Sus	?	Sus: Dark-gray, well-bedded, slate and feldspathic quartzite
		Slp	0 - 1,000'	Slp: Dark-gray, boulder to cobble polymict conglomerate. Medium- to coarse-grained sand matrix.	Slp, Slq		Sup	450'	Sup: Gray-green to tan, arenaceous limestone. Pronounced "pit-weathering" of limestone or shelly beds. Upper Silurian (Ludlow) fauna.
		Slq	0 - 450'	Slq: White to light-gray quartz pebble conglomerate. Yellow-green chlorite-sericite matrix, locally silicified.			Sul	250'	Sul: Light-gray, tan-weathering, silty limestone.
							Sq	0 - 1100'	Sq: Pebble to cobble quartz and quartzite conglomerate; coarse-grained quartzite; minor gray slate. Sqp: Local polymict cgl.
							Sa	500'	Sa: Dark gray or green argillite and tuff(?).
				UNCONFORMITY					UNCONFORMITY
ORDOVICIAN	Middle	Kanankeag Formation	(Top not exposed) 6,000'	Ok: Rusty weathering black slate; minor calcareous lithic graywacke, and greenstone. Thin-bedded, fine-grained, dark-gray quartzite increases in abundance near top of unit. Late Middle Ordovician graptolites near the base.	Ok	Odv, Odm	Dixville Formation	9500'	Odm: Magalloway member: Dark-gray to gray-green feldspathic graywacke; green to purplish-gray slate; schistose felsic volcanic rocks. Patches of quartz-feldspar granule conglomerate and black slate. Odd: Dixie Brook member: Rusty-weathering black slate and phyllite. Thin- to thick-bedded gray quartzite (Odq) present locally near the base of unit. Odv: ¶ Massive to foliated greenstone; minor felsic volcanic rocks. Pillow structures and agglomerate beds common in volcanic rocks in the Magalloway member.
		Oquossoc Formation	5,500'	Oos: Rusty-weathering black slate with minor thin-bedded, fine-grained, pyritic quartzite. Oov: Massive to crudely foliated greenstone.	Oov, Ocs	Odd, Odv, Odq			
		Albee Formation	4,500 - 13,000' (base not exposed)	Oal: Principal member: Green to gray-green slate and phyllite with gray-green, "pinstripe" quartzite and quartz-feldspar granulite beds common. Minor amounts of greenstone scattered in the unit. Oala: Aziscohos member: Green to purplish-gray slate and phyllite; locally chlorite-muscovite schist. Quartz-feldspar granulite beds present locally but not characteristic of unit. Quartz pods and stringers abundant. Oalg: Black phyllite with discontinuous patches of greenstone present at contact with Oala. Oalk: Kennebago member: Purple to purplish-gray slate and phyllite. "Pinstripe" granulite beds common. Minor greenstone. Local patches of black slate at contact with Oal.	Oala, Oalg, Oal, Oalk	Oal	Albee Formation	4500 - 13,000'	Lithology the same as that in the southeast except that the Aziscohos member cannot be recognized.
	?-? Lower								

Figure 3: Columnar section of the stratified rocks in the Cupsuptic quadrangle