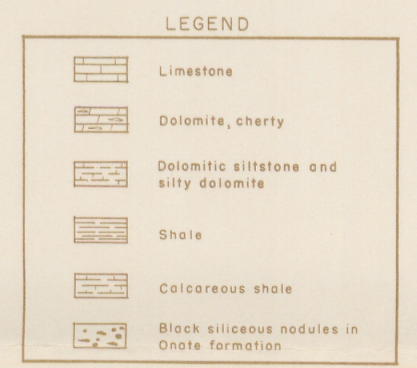
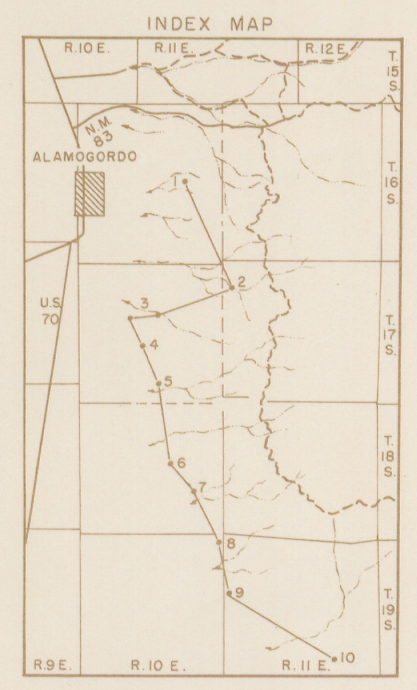
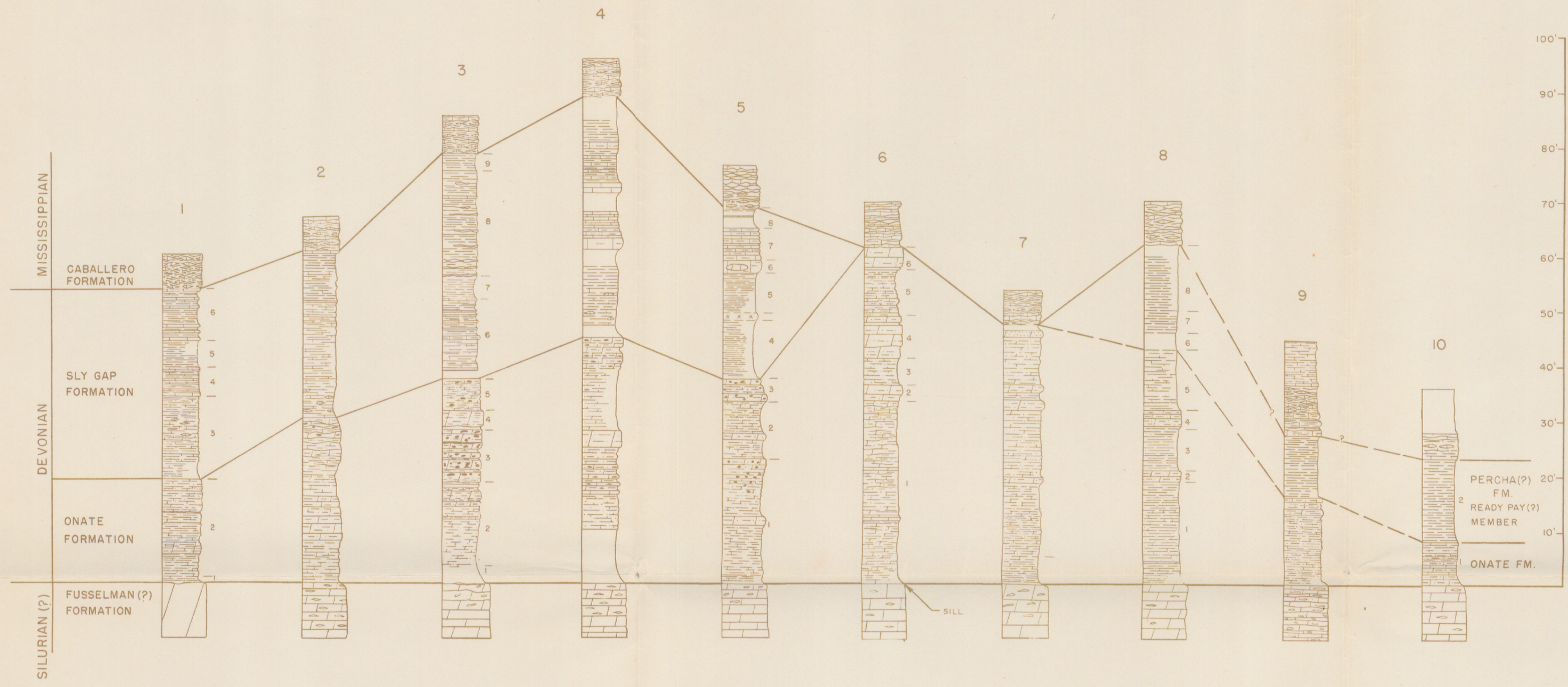


STRATIGRAPHIC SECTIONS OF DEVONIAN FORMATIONS OF THE SACRAMENTO MOUNTAINS



Section No.	Location	Formation	Thickness	Description	Contact
Section No. 1	SE 1/4, NW 1/4, sec. 14, T. 16 S., R. 10 E.	CABALLERO FORMATION		Limestone, gray argillaceous, nodular, interbedded gray calcareous shale.	
		SLY GAP FORMATION 36'	6 9'	Limestone, gray, argillaceous, slightly nodular; interbedded with gray brown shale.	
			5 5'	Shale, brownish black; Round pyrite concretions; top 2' poorly exposed.	
			4 5'	Limestone, yellowish gray, argillaceous interbedded with yellowish gray shale; undulatory bedding; limestone layers 1 to 3" thick.	
			3 15'	Shale, yellowish gray, calcareous interbedded with minor dark gray shale. Limy nodules in upper part. Basal 2' covered.	
		ONATE FORMATION 18'	2 17'	Siltstone, dolomitic and silty dolomite, medium gray to brownish gray; minor upper 6' resistant, weathers light brown.	
			1 1'	Shale, silty, greenish gray; few carbonaceous streaks.	
		FUSSELMAN (?) FORMATION		Dolomite, light gray, medium crystalline.	
Section No. 3	Composite section, Sly Gap in NE 1/4, SE 1/4, sec 9, and Onate in NE 1/4 sec. 17, T. 17 S., R. 10 E.	CABALLERO FORMATION		Limestone, gray argillaceous, nodular interbedded gray calcareous shale.	
		SLY GAP FORMATION 39'	3" 9	Shale, grayish black.	
			19' 8	Shale, light gray, with minor interbedded argillaceous, slightly nodular, gray limestone 2 to 6" beds; unit weathers yellowish gray.	
			4' 7	Shale, brownish black, pyrite concretions.	
			13' 6	Shale, light gray to yellowish gray, calcareous interbedded with argillaceous, gray limestone; some limestone nodules 1 to 2" thick.	
		ONATE FORMATION 42'	5 6'	Siltstone, dolomitic, dark gray; abundant irregular silicified nodules 1/2 to 2" thick; beds weather to light brown. Sulcoretopora, brachiopods, crinoid columnals near base.	
			4 3'	Dolomite, silty, brownish gray, massive; weathers pale reddish brown.	
			3 10'	Siltstone, dolomitic, brownish gray, beds 1 to 2' thick, interbedded non-resistant dolomitic siltstone. Many irregular silicified nodules and minor chert, weathers pale reddish brown.	
			2 13'	Siltstone, dolomitic, dark gray, irregular obscure beds 1 to 2" thick lower part, upper part more resistant and massive. Weathers pale yellowish brown.	
			1 5'	Covered, probably same as above.	
		FUSSELMAN (?) FORMATION		Dolomite, cherty, resistant.	
Section No. 5	NW 1/4, NE 1/4, sec. 33, T. 17 S., R. 10 E.	CABALLERO FORMATION		Limestone, gray, argillaceous, nodular interbedded gray calcareous shale.	
		SLY GAP FORMATION 31'	8 4'	Largely covered; minor gray argillaceous limestone and shale.	
			7 6'	Limestone, dark gray, argillaceous, laminated, thin beds 4 to 8" thick, interbedded with minor gray shale.	
			6 3'	Limestone, dark to medium gray, very finely crystalline, massive, with brown weathering; finely crystalline dark gray dolomite pods in middle of limestone bed.	
			5 4'	Shale, dark gray to brownish black; upper 2' poorly exposed.	
			4 14'	Covered, non-resistant. 2' thick igneous sill 10' above base of unit.	
		ONATE FORMATION 38'	3 4'	Dolomite, silty, with dark siliceous nodules. Unit weathers pale reddish brown.	
			2 11'	Siltstone, dolomitic, and silty dolomite, dark gray, thin bedded; some nodular silicified beds and nodules; weathers pale yellowish brown. Basal 2' covered.	
		FUSSELMAN (?) FORMATION		Dolomite, medium light gray, massive.	
Section No. 6	NW 1/4, SE 1/4, sec. 15, T. 18 S., R. 10 E.	CABALLERO FORMATION		Limestone, gray, argillaceous, nodular interbedded gray, calcareous shale.	
		ONATE FORMATION 61'	6 4'	Dolomite, silty, massive and resistant, weathers pale reddish brown.	
			5 8'	Siltstone, calcareous, thin bedded, slightly calcareous dolomitic siltstone at base. Crinoid columnals and Sulcoretopora.	
			4 8'	Dolomite, brownish gray, silty, resistant, beds 1 to 2' thick, weathers pale reddish brown.	
			3 5'	Siltstone, calcareous, pale brown, and shale; thin bedded, non-resistant. Sulcoretopora, Atrypa, Schizophoria, etc. (Loc. 320B).	
			2. 3'	Dolomite, silty, resistant; weathers light brown.	
			1 33'	Siltstone, dolomitic, dark gray, obscurely bedded; shaly toward base; basal 2' covered.	
		FUSSELMAN (?) FORMATION		Dolomite, medium dark gray, cherty, finely crystalline.	
Section No. 8	2400' W. and 1600' S. of NE corner T. 19 S. R. 11 E.	CABALLERO FORMATION		Shale, light gray, calcareous, and light gray nodular, argillaceous limestone; forms small resistant ledge.	
		PERCHA (?) FORMATION, READY PAY (?) MEMBER	8 12'	Largely covered, some dark gray shale float in lower 10'.	
			7 4'	Shale, silty, olive gray to dark gray.	
			6 3'	Covered.	
		ONATE (?) FORMATION	5 11'	Partly covered, light yellow gray weathering calcareous silty shale.	
			4 4'	Siltstone, dolomite, yellow gray, poorly preserved fossils.	
			3 8'	Shale, light olive gray, silty.	
			2 2'	Siltstone, dolomitic, yellow gray, small poorly preserved brachiopods.	
		FUSSELMAN (?) FORMATION	1 19'	Shale, olive gray to dark gray, silty, with minor thin beds (6") of dolomitic siltstone. Basal 2' covered.	
				Contact: Basal contact not exposed, top surface of Fusselman (?) formation smooth.	
		FUSSELMAN (?) FORMATION		Dolomite, medium gray to olive gray, finely crystalline.	
Section No. 10	SW 1/4, NE 1/4, NE 1/4, sec. 34, T. 19 S., R. 11 E.	CABALLERO FORMATION		Shale, light gray, calcareous, with interbedded slightly nodular thin-bedded argillaceous limestone weathers yellow gray. Caballero fossils.	
		PERCHA (?) FORMATION, READY PAY (?) MEMBER	2 15'	Shale, dark gray, non-calcareous, fissile.	
				Contact: Top 6" of unit no. 1 dark yellow brown, smooth.	
		ONATE FORMATION	1 8'	Siltstone, dolomitic, yellow gray, thin-bedded; few fossil fragments.	
				Contact: Top surface of Fusselman (?) formation fractured, weathers red brown, smooth.	
		FUSSELMAN (?) FORMATION		Dolomite, gray, massive, resistant.	