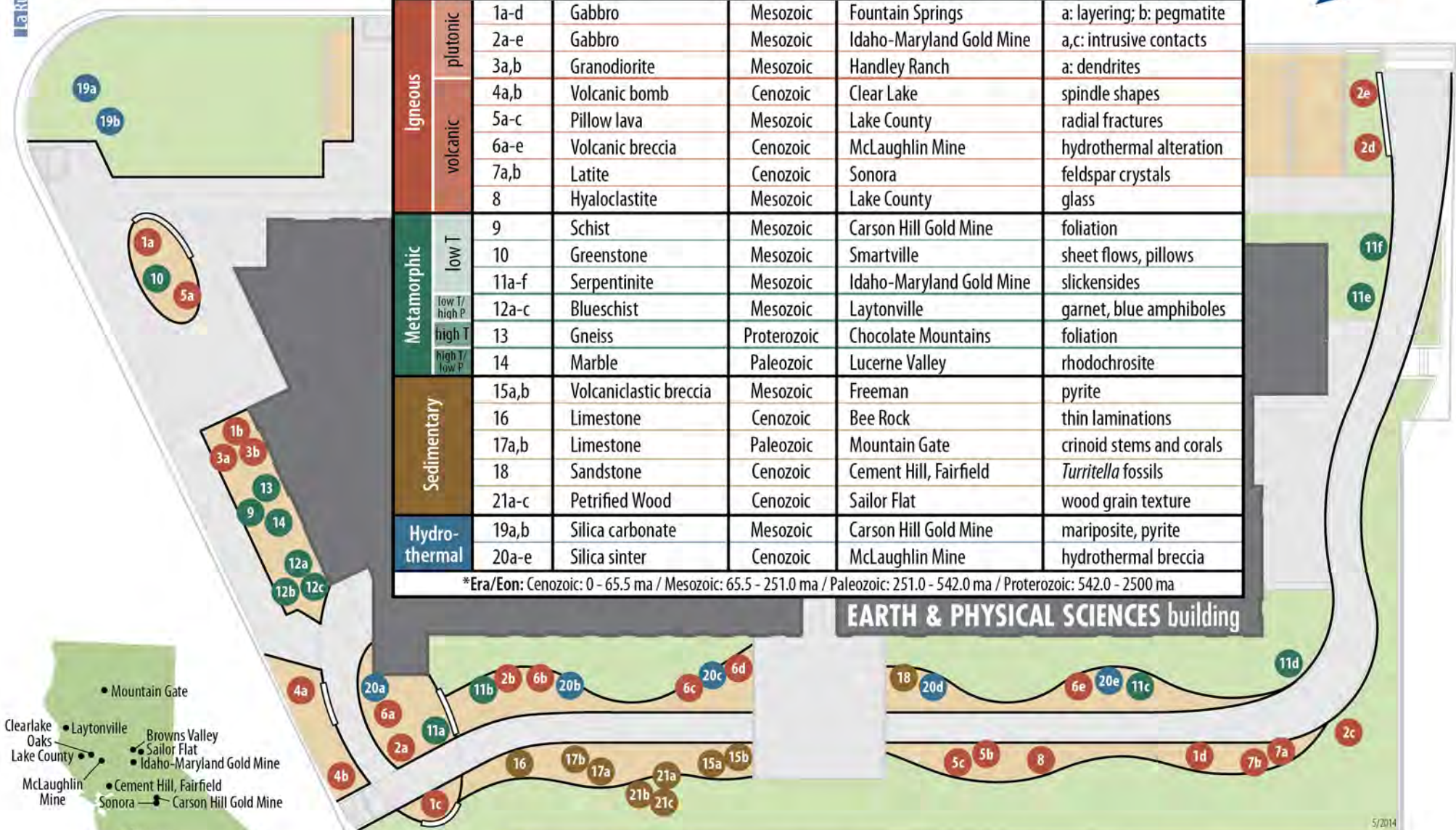


Rock type	Boulder	Name	Era/Eon*	Locality	Things to look for	
Igneous	plutonic	1a-d	Gabbro	Mesozoic	Fountain Springs	a: layering; b: pegmatite
		2a-e	Gabbro	Mesozoic	Idaho-Maryland Gold Mine	a,c: intrusive contacts
		3a,b	Granodiorite	Mesozoic	Handley Ranch	a: dendrites
	volcanic	4a,b	Volcanic bomb	Cenozoic	Clear Lake	spindle shapes
		5a-c	Pillow lava	Mesozoic	Lake County	radial fractures
		6a-e	Volcanic breccia	Cenozoic	McLaughlin Mine	hydrothermal alteration
		7a,b	Latite	Cenozoic	Sonora	feldspar crystals
		8	Hyaloclastite	Mesozoic	Lake County	glass
Metamorphic	low T	9	Schist	Mesozoic	Carson Hill Gold Mine	foliation
		10	Greenstone	Mesozoic	Smartville	sheet flows, pillows
		11a-f	Serpentinite	Mesozoic	Idaho-Maryland Gold Mine	slickensides
	low T / high P	12a-c	Blueschist	Mesozoic	Laytonville	garnet, blue amphiboles
		13	Gneiss	Proterozoic	Chocolate Mountains	foliation
	high T / low P	14	Marble	Paleozoic	Lucerne Valley	rhodochrosite
Sedimentary	15a,b	Volcaniclastic breccia	Mesozoic	Freeman	pyrite	
	16	Limestone	Cenozoic	Bee Rock	thin laminations	
	17a,b	Limestone	Paleozoic	Mountain Gate	crinoid stems and corals	
	18	Sandstone	Cenozoic	Cement Hill, Fairfield	<i>Turritella</i> fossils	
	21a-c	Petrified Wood	Cenozoic	Sailor Flat	wood grain texture	
Hydro-thermal	19a,b	Silica carbonate	Mesozoic	Carson Hill Gold Mine	mariposite, pyrite	
	20a-e	Silica sinter	Cenozoic	McLaughlin Mine	hydrothermal breccia	

*Era/Eon: Cenozoic: 0 - 65.5 ma / Mesozoic: 65.5 - 251.0 ma / Paleozoic: 251.0 - 542.0 ma / Proterozoic: 542.0 - 2500 ma



EARTH & PHYSICAL SCIENCES building

CALIFORNIA ROCK GARDEN. The rock garden around the Earth and Physical Sciences building is the first stage of the Assembling California GATEways (Gardens, Arts and The Environment) garden. The Geology GATEways garden's theme is *Assembling California*, after the 1993 John McPhee book which chronicles field trips over a 15-year period with UC Davis Distinguished Professor Emeritus of Geology Eldridge Moores. The goal of the garden is to create an outdoor geological laboratory that bridges the educational aspects of the building's interior with a unique geology garden for student learning and public outreach.

ROCK DONORS: GRANITE CONSTRUCTION; Homestake Mining Company and McLaughlin Natural Reserve (6, 20); Emgold Mining Corporation (11); Donn Ristau and Skyler Phelps (18); Jim Wood (petrified wood). For information on giving to the Assembling California Geology GATEways project, please contact geology@ucdavis.edu