



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



NEW ROCK layout updated 8/4/2011

GEOLOGY ROCKS.
The rock garden currently in place around the Earth and Physical Sciences building is a temporary garden until private funding is available for our 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 new garden will create an outdoor geological laboratory that bridges the educational aspects of the building's interior with a unique Earth sciences garden for student learning and public outreach.

ROCK DONORS: GRANITE CONSTRUCTION; McLaughlin Natural Reserve (7, 21); Engold Mining Corporation (2, 12); and Donn Ristau (19)
For information on giving to the Assembling California Geology GATEways project, please contact Shari Kawelo at sekawelo@ucdavis.edu

