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Title of article Regional significance of recurrent faulting and intracanyon volcanism at Oak Creek Canyon, southern Colorado Plateau, Arizona

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Supplementary Data

TABLE 1. PETROGRAPHIC AND VOLCANIC SUMMARY OF BASALT LAVA FLOWS 1-5 AND WILSON MOUNTAIN CONE

Unit	Type*	Volcanic structures	Phenocrysts+	Matrix texture	Comments
WM	Cone	Bomb	Olivine, m, p Clinopyroxene, m Plagioclase, m	Hyalopilitic	Olivine to 1.5 mm; quartz rimmed by clinopyroxene; rare green-core clinopyroxene, p
WM	Cone	Dike	Olivine, m, p Clinopyroxene, m Plagioclase, m	Intergranular to intersertal	Olivine to 2.4 mm; quartz rimmed by clinopyroxene; rare green-core clinopyroxene, p
5	Simple	Crude columnar joints	Olivine, m Clinopyroxene, m Plagioclase, m	Intergranular	Quartz rimmed by clinopyroxene; rare green-core clinopyroxene, p
4	Compound	Good columnar joints	Plagioclase, p Olivine, p	Intergranular	Euhedral plagioclase to 4.0 mm
3	Compound	Vesicles up to 12 cm	Olivine, p (plagioclase, p)	Intergranular	Olivine to 4.0 mm; plagioclase to 2.0 mm
2	Compound	Thin pahoehoe flow units	Olivine, p (plagioclase, p)	Ophitic	Olivine to 3.5 mm; plagioclase to 2.0 mm
1	Simple	Crude columnar joints	Olivine, p Clinopyroxene, p	Intergranular	Olivine to 3.0 mm; clinopyroxene to 2.5 mm

Note: WM = Wilson Mountain
*Simple = one flow unit; compound = more than one flow unit (Walker, 1971).
+Common crystals listed in decreasing order of abundance, sparse crystals in parentheses; microphenocrysts (m) $<$1 mm; phenocrysts (p) $>$1 mm.

Reference Cited

Walker, G.P.L., 1971, Compound and simple lava flows and flood basalts: Bulletin Volcanologique, v. 35, p. 579-590.