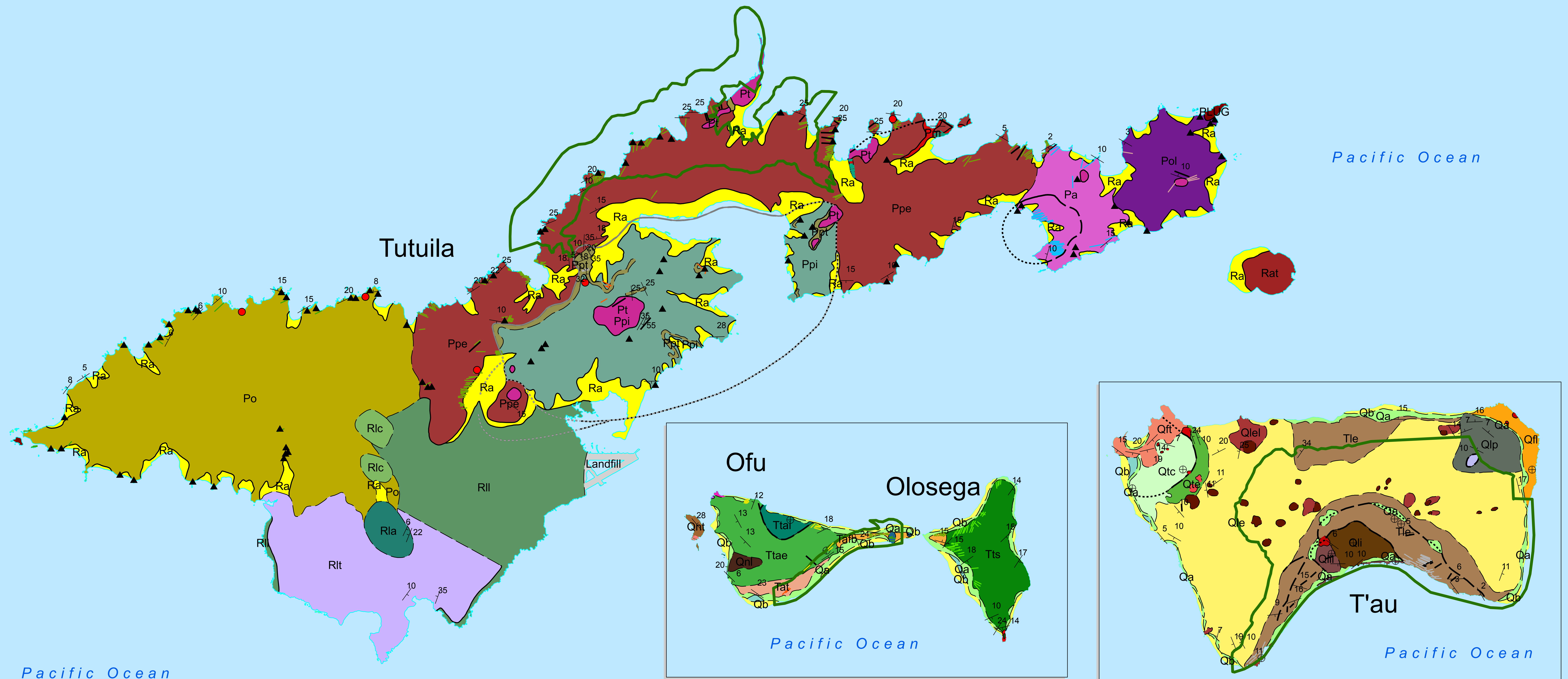




# Geologic Map of National Park of American Samoa



This map graphically presents digital geologic data prepared as part of the NPS Geologic Resources Division's Geologic Resource Evaluation Program. The source map used in creation of the digital geologic data product was:

Geology of Tutuila island - Harold T. Stearns, 1994, *Geology of the Samoan Islands*: Geological Society of America, Vol. 55, pp. 1279-1332. Scale approximately 1:63,000.

Geology of Tau island - Gary D. Stice and Floyd W. McCoy, Jr. 1968, *Geology of the Manu'a Islands, Samoa*: Pacific Science, Vol. XXII. Scale approximately 1:56,000.

Geology of Ofu and Olosega islands - Gary D. Stice and Floyd W. McCoy, Jr. 1968, *Geology of the Manu'a Islands, Samoa*: Pacific Science, Vol. XXII. Scale approximately 1:56,000.

Digital geologic data and cross sections for National Park of American Samoa, and all other digital geologic data prepared as part of the Geologic Resource Evaluation Program, are available online at the NPS Data Store: <http://science.nature.nps.gov/nrdata/>

National Park of American Samoa Boundary		Linear Dikes		Geologic Units	
	National Park of American Samoa Boundary		Qnt - Nu'u Formation—tuff		landfill
	Geologic Attitude and Observation Localities		Tiae - Tuafanua Formation—A'ofa shield		plug
	horizontal beds		Tuafanua Formation—Sili shield		Ra - beach sand and alluvium
	Volcanic Point Features		Po - Taputapu Volcanics		Ril - Leone Volcanics, pahoehoe flow
	plug		Ppe - Pago Volcanic Series		Rlc - Leone Volcanics, cinder cone
	outcrop of vitric tuff or cinders		Ppi - Pago V. Series—andesite/basalt flows		Rla - Leone Volcanics, ash cone
	Linear Volcanic Features		Tie - Lata Formation—pre-caldera		Rit - Leone Volcanics, lithic-vitric tuff
	caldera, approximate		Pa - Alofau Volcanics		Rat - Aunu'u Tuff
	caldera, concealed		Pol - Olomoana Volcanics		Qb - beach deposits
	Faults		Pm - Masefau Dike Complex		Qa - alluvium, talus and stream deposits
	known or certain		Geologic Contacts		Qm - marsh
	approximate		known or certain		Qnt - Nu'u Formation, lapilli tuff
	concealed		approximate		Qnl - Nu'u Formation, basalt flows
	shoreline		concealed		Qfc - Fiti'uta Formation, cinder cone
					Qfl - Fiti'uta Formation
					Qft - Faleasao Formation
					Qlp - Luatele Formation, pahoehoe flows
					Qlc - Luatele Fm, poned lavas
					Qtc - Tunoa Fm, cinder cones - basalt & olivine basalt
					Qte - Tunoa Fm, lava flows - basalt & olivine basalt
					Qtcc - Tunoa Fm, cinder cones - ash, tuff & olivine basalt
					Qtc - Tunoa Fm, ash, tuff & olivine basalt
					Qlel - Lata Fm, post-caldera lava flows
					Qlec - Lata Fm, post-caldera cinder cone
					Qle - Lata Fm, post caldera volcanics
					Qlil - Lata Fm, intra-caldera associated lava flows
					Qlic - Lata Fm, intra-caldera cinder cone
					Qli - Lata Fm, intra-caldera member
					Pt - Trachyte plugs and dikes
					Ptp - Trachytic pumice deposits
					Po - Taputapu Volcanics
					Ppe - Pago Volcanic Series
					Ppi - Pago Volcanic Series, lithic-vitric tuff
					Ppi - Pago Volcanic Series, intra-caldera
					Pa - Alofau Volcanics
					Pol - Olomoana Volcanics
					Pm - Masefau Dike Complex
					Tiae - Tuafanua Fm, A'ofa shield
					Tts - Tuafanua Fm, Sili shield
					Ttai - Tuafanua Fm, ponded flows
					Tafi - Asaga Fm, associated plug
					Tafb - Asaga Fm, breccia cone
					Tat - Asaga Fm, composite cone
					Tam - tuff cone
					Tas - tuff cone
					Tac - cinder cone
					Tie - Lata Fm, pre-Caldera member

