

Fig. 1/P1 - Generalized structural subdivision of the Kilauea Volcano (from Holcomb, 1987; Hazlett, 1987).

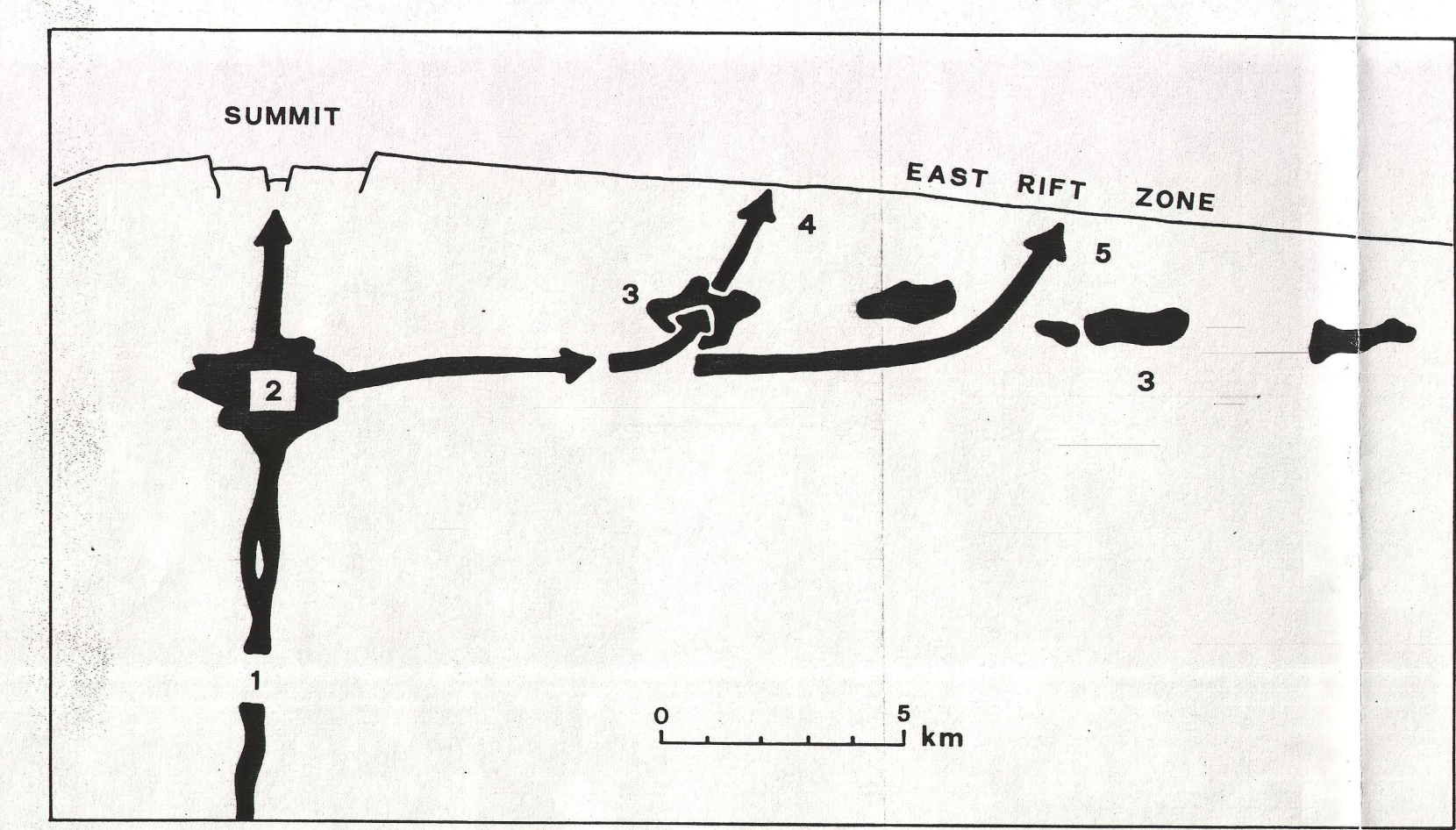
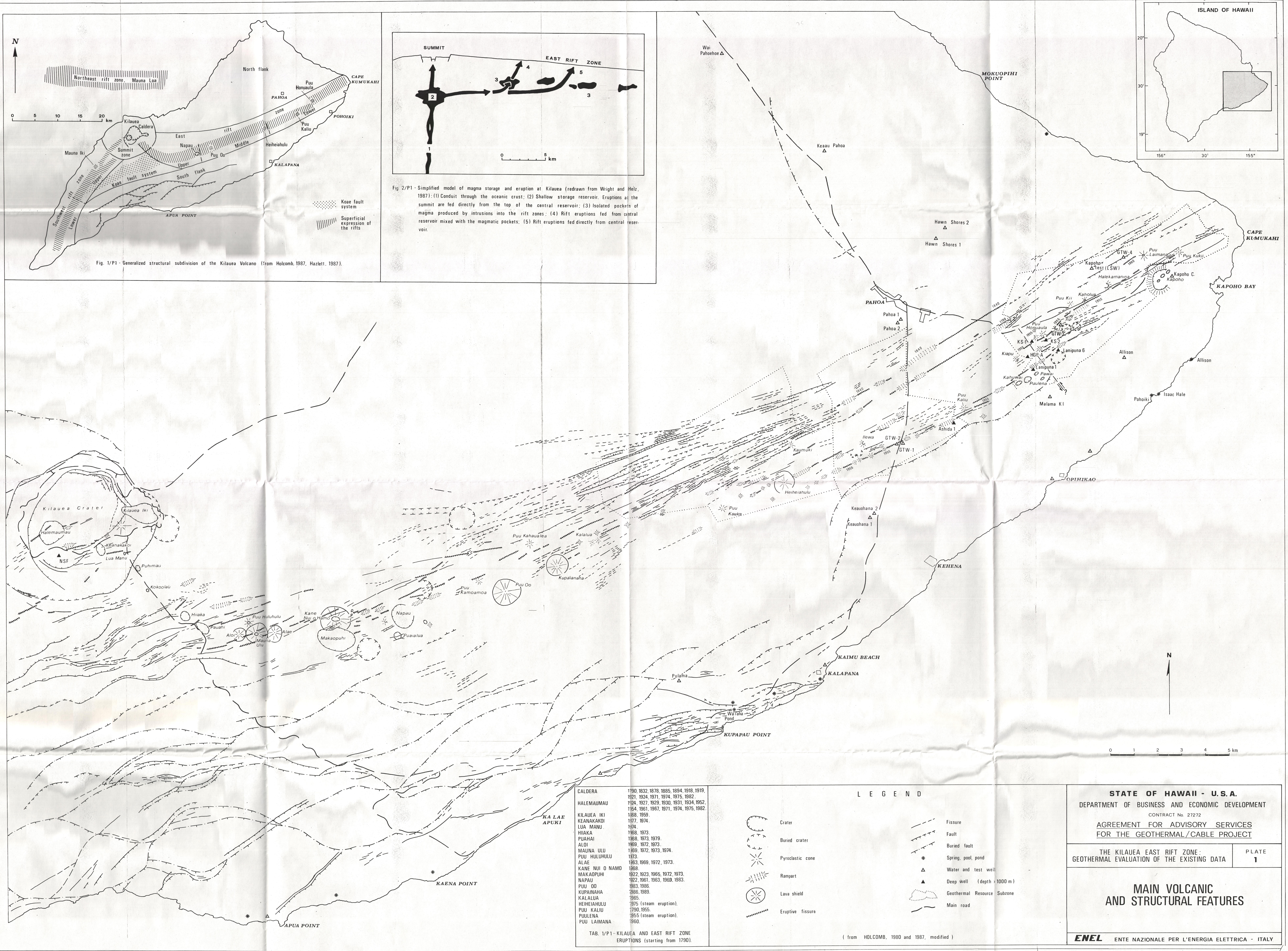


Fig. 2/P1 - Simplified model of magma storage and eruption at Kilauea (redrawn from Wright and Holz, 1987): (1) Conduit through the oceanic crust; (2) Shallow storage reservoir. Eruptions at the summit are fed directly from the top of the central reservoir; (3) Isolated pockets of magma produced by intrusions into the rift zones; (4) Rift eruptions fed from central reservoir mixed with the magmatic pockets; (5) Rift eruptions fed directly from central reservoir.



VENT NAME	ERUPTIONS (starting from 1790)
CALDERA	1790, 1832, 1878, 1885, 1894, 1918, 1919
HALEMAUMAU	1821, 1824, 1971, 1974, 1975, 1982
KILAUEA IKI	1704, 1927, 1929, 1930, 1931, 1934, 1952, 1954, 1961, 1967, 1971, 1974, 1975, 1982, 1986, 1989
KEANAKAKOI	1977, 1978
LUA MANU	1974
HIBAKA	1968, 1973, 1979
ALOI	1969, 1972, 1973
MAUNA ULU	1969, 1972, 1973, 1974
PUU HULUPULU	1973
ALAE	1963, 1969, 1972, 1973
KANE HUI O NANO	1968
MAKAOPUHI	1922, 1923, 1965, 1972, 1973
NAPAU	1922, 1961, 1963, 1969, 1983
PUU OO	1963, 1988
KUPAINAHA	1986, 1989
KALALLUA	1985
HENEHANEHU	1975 (steam eruption)
PUU KALIU	1790, 1955
PUULENA	1985 (steam eruption)
PUU LAIMANA	1960

TAB. 1/P1 - KILAUEA AND EAST RIFT ZONE ERUPTIONS (starting from 1790).

LEGEND

	Crater		Fissure
	Buried crater		Fault
	Pyroclastic cone		Buried fault
	Rampart		Spring, pool, pond
	Lava shield		Water and test well
	Eruptive fissure		Deep well (depth > 1000 m)
			Geothermal Resource Subzone
			Main road

(from HOLCOMB, 1980 and 1987, modified)

STATE OF HAWAII - U.S.A.
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 CONTRACT No. 21272
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THE KILAUEA EAST RIFT ZONE: GEOTHERMAL EVALUATION OF THE EXISTING DATA

PLATE 1

MAIN VOLCANIC AND STRUCTURAL FEATURES

ENEL ENTE NAZIONALE PER L'ENERGIA ELETTRICA - ITALY