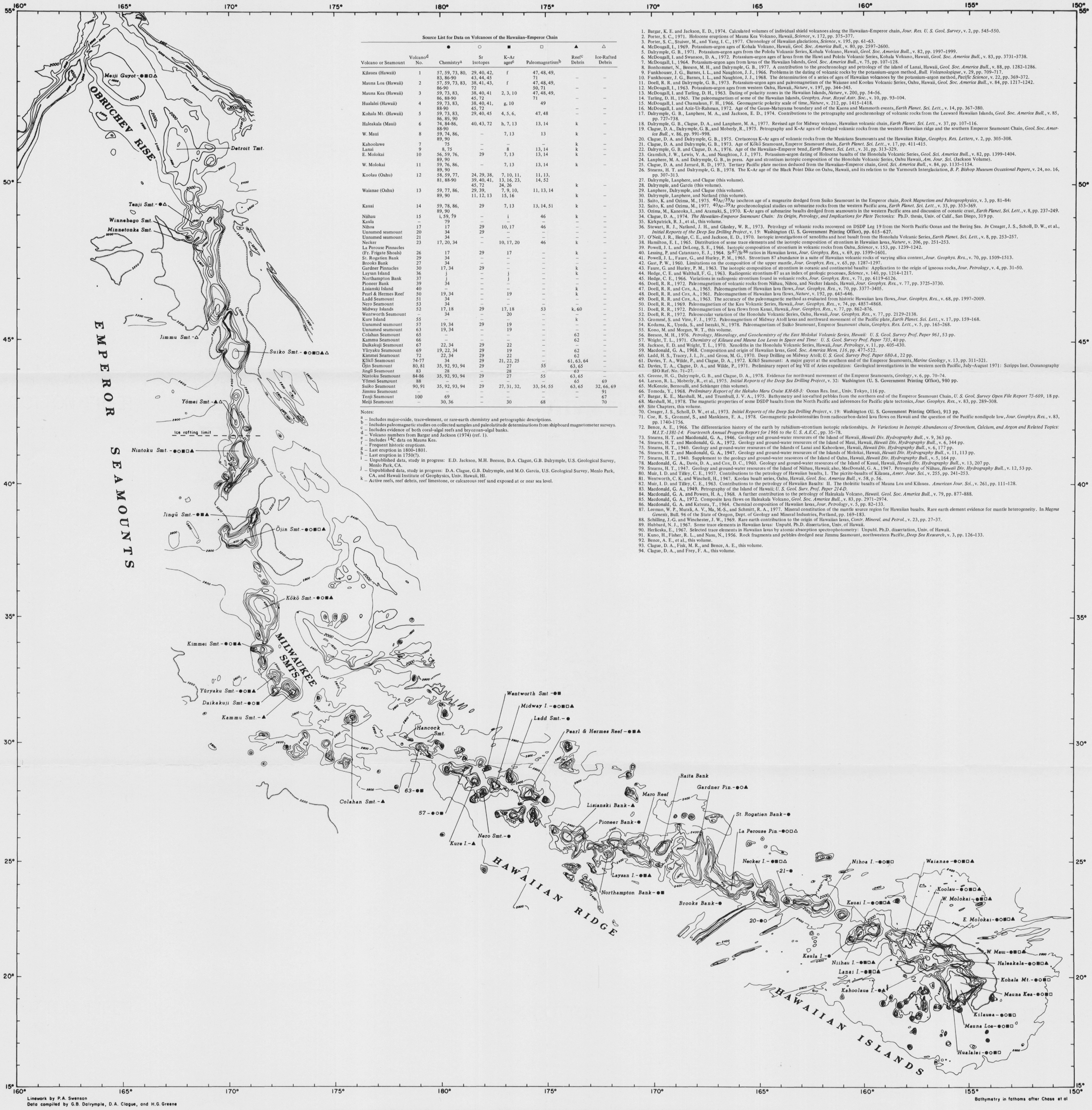

Source List for Data on Volcanoes of the Hawaiian-Emperor Chain

Volcano or Seamount	Volcano[d] No.	● Chemistry[a]	○ Sr Isotopes	■ K-Ar ages[e]	□ Paleomagnetism[b]	▲ Reef[c] Debris	△ Ice-Rafted Debris
Kilauea (Hawaii)	1	57, 59, 73, 80, 83, 86-90	29, 40, 42, 43, 44, 45	f	47, 48, 49, 71	–	–
Mauna Loa (Hawaii)	2	57, 59, 73, 83, 86-90	38, 41, 43, 72	f	47, 48, 49, 50, 71	–	–
Mauna Kea (Hawaii)	3	59, 73, 83, 86, 88-90	38, 40, 41 45, 72	2, 3, 10	47, 48, 49, 71	–	–
Hualalei (Hawaii)	4	59, 73, 83, 88-90	38, 40, 41, 45, 72	g, 10	49	–	–
Kohala Mt. (Hawaii)	5	59, 73, 83, 86, 85, 90	29, 40, 45	4, 5, 6,	47, 48	–	–
Haleakala (Maui)	6	74, 84-86, 88-90	40, 43, 72	h, 7, 13	13, 14	k	–
W. Maui	8	59, 74, 86, 89, 90	–	7, 13	13	k	–
Kahoolawe	7	75	–	–	–	k	–
Lanai	9	8, 75	–	8	13, 14	k	–
E. Molokai	10	56, 59, 76, 89, 90	29	7, 13	13, 14	k	–
W. Molokai	11	59, 76, 86, 89, 90	–	7, 13	13, 14	k	–
Koolau (Oahu)	12	58, 59, 77, 81, 88-90	24, 29, 38, 39, 40, 41, 45, 72	7, 10, 11, 13, 16, 23, 24, 26	11, 13, 14, 52	k	–
Waianae (Oahu)	13	59, 77, 86, 89, 90	29, 39, 11, 12, 13	7, 9, 10, 15, 16	11, 13, 14	k	–
Kauai	14	59, 78, 86, 89, 90	29	7, 13	13, 14, 51	k	–
Niihau	15	i, 59, 79	–	i	46	k	–
Kaula	–	79	–	–	–	–	–
Nihoa	17	17	29	10, 17	46	–	–
Unnamed seamount	20	34	29	–	–	–	–
Unnamed seamount	21	34	–	–	–	–	–
Necker	23	17, 20, 34	–	10, 17, 20	46	k	–
La Perouse Pinnacles (Fr. Frigate Shoals)	26	17	29	17	–	k	–
St. Rogatien Bank	29	34	–	–	–	–	–
Brooks Bank	27	34	–	–	–	–	–
Gardner Pinnacles	30	17, 34	29	–	–	k	–
Laysan Island	36	j	–	j	–	k	–
Northampton Bank	37	j	–	j	–	–	–
Pioneer Bank	39	34	–	–	–	–	–
Lisianski Island	40	–	–	–	–	k	–
Pearl & Hermes Reef	50	19, 34	–	19	–	k	–
Ladd Seamount	51	34	–	–	–	–	–
Nero Seamount	53	34	–	–	–	–	–
Midway Islands	52	17, 18	29	17, 18	53	k, 60	–
Wentworth Seamount	–	34	–	20	–	–	–
Kure Island	55	–	–	–	–	k	–
Unnamed seamount	57	19, 34	29	19	–	–	–
Unnamed seamount	63	19, 34	–	19	–	–	–
Colahan Seamount	65	–	–	–	–	62	–
Kammu Seamount	66	–	–	–	–	62	–
Daikakuji Seamount	67	22, 34	29	22	–	–	–
Yūryaku Seamount	69	19, 22, 34	29	19	–	62	–
Kimmei Seamount	72	22, 34	29	22	–	62	–
Kōkō Seamount	74-77	34	29	21, 22, 25	–	61, 63, 64	–
Ōjin Seamount	80, 81	35, 92, 93, 94	29	27	55	63, 65	–
Jingū Seamount	83	28	–	28	–	63	–
Nintoku Seamount	84-86	35, 92, 93, 94	29	27	55	63, 65	–
Yōmei Seamount	88	–	–	–	–	65	69
Suiko Seamount	90, 91	35, 92, 93, 94	29	27, 31, 32,	33, 54, 55	63, 65	32, 66, 69
Jimmu Seamount	–	–	–	–	–	–	91
Tenji Seamount	100	69	–	–	–	–	67
Meiji Seamount	–	30, 36	–	30	68		70

Notes:

a – Includes major-oxide, trace-element, or rare-earth chemistry and petrographic descriptions.
b – Includes paleomagnetic studies on collected samples and paleolatitude determinations from shipboard magnetometer surveys.
c – Includes evidence of both coral-algal reefs and bryozoan-algal banks.
d – Volcano numbers from Bargar and Jackson (1974) (ref. 1).
e – Includes ^{14}C data on Mauna Kea.
f – Frequent historic eruptions.
g – Last eruption in 1800–1801.
h – Last eruption in 1750(?).
i – Unpublished data, study in progress: E.D. Jackson, M.H. Beeson, D.A. Clague, G.B. Dalrymple, U.S. Geological Survey, Menlo Park, CA.
j – Unpublished data, study in progress: D.A. Clague, G.B. Dalrymple, and M.O. Garcia, U.S. Geological Survey, Menlo Park, CA, and Hawaii Institute of Geophysics, Univ. Hawaii, HI.
k – Active reefs, reef debris, reef limestone, or calcareous reef sand exposed at or near sea level.

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