

### Ages of some of the Hawaiian Islands and outer seamounts

Volcano Number	Volcano Name	Distance from Kilauea along chain (km)	Best K-Ar age (Ma)	Reference to Data Source (see notes)
0	Loihi	0	0	
1	Kilauea	0	0.4	
3	Mauna Kea	54	0.375 ± 0.05	1
5	Kohala	100	0.43 ± 0.02	2
6	Haleakala	182	0.75 ± 0.04	3
7	Kahoolawe	185	1.03 ± 0.18	3
8	West Maui	221	1.32 ± 0.04	4
9	Lanai	226	1.28 ± 0.04	5
10	East Molokai	256	1.76 ± 0.04	3
11	West Molokai	280	1.9 ± 0.06	3
12	Koolau	339	2.6 ± 0.1	4,6
13	Waianae	374	3.7 ± 0.1	6
14	Kauai	519	5.1 ± 0.2	7
15	Niihau	565	4.89 ± 0.11	8
15A	Kaula	600	4 ± 0.2	21
17	Nihoa	780	7.2 ± 0.3	9
20	Unnamed	913	9.2 ± 0.8	20
		930	9.6 ± 0.8	22
23	Necker	1058	10.3 ± 0.4	9
26	La Perouse Pinnacles	1209	12 ± 0.4	9
27	Brooks Bank	1256	13 ± 0.6	20
		1330	13 ± 0.6	22
30	Gardner Pinnacles	1435	12.3 ± 1	20
		1460	12.3 ± 1	22
36	Laysan	1818	19.9 ± 0.3	10
37	Northampton Bank	1841	26.6 ± 2.7	10
50	Pearl and Hermes Reef	2281	20.6 ± 2.7	11
52	Midway	2432	27.7 ± 0.6	12
57	Unnamed	2600	28 ± 0.4	11
63	Unnamed	2825	27.4 ± 0.5	11
65	Colohan	3128	38.6 ± 0.3	13
65A	Abbott	3280	38.7 ± 0.9	13
67	Daikakuji	3493	42.4 ± 2.3	14
69	Yuryaku	3520	43.4 ± 1.6	11
72	Kimmei	3668	39.9 ± 1.2	14
74	Southern Koko	3758	48.1 ± 0.8	14,15
81	Ojin	4102	55.2 ± 0.7	16

83	Jingu	4175	55.4	± 0.9	17
86	Nintoku	4452	56.2	± 0.6	16
90	Southern Suiko	4794	59.6	± 0.6	18,19
91	Central Suiko	4860	64.7	± 1.1	16

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1. Porter and others (1977)
2. McDougall and Swanson (1972)
3. Naughton and others (1980)
4. McDougall (1964)
5. Bonhommet and others (1977)
6. Doel and Dalrymple (1973)
7. McDougall (1979)
8. G.B. Dalrymple (Unpublished Data, 1982)
9. Dalrymple and others (1974)
10. Dalrymple and others (1981)
11. Clague and others (1975)
12. Dalrymple and others (1977)
13. Duncan and Clague (1984)
14. Dalrymple and Clague (1976)
15. Clague and Dalrymple (1973)
16. Dalrymple and others (1980a)
17. Dalrymple and Garcia (1980)
18. Saito and Ozima (1975)
19. Saito and Ozima (1977)
20. Garcia and others (1986b)
21. Garcia and others (1986a)
22. Garcia and Others (1987)

"Volcano Number" refers to the number in sequence along the Hawaiian Chain. Loihi, the youngest expression of the Hawaiian hotspot, is number 0; Kilauea is number 1, etc. Note that not all volcanoes are listed in the table (e.g. number 2 = Mauna Loa and number 4 = Hualalai). Also note that further up the chain, the numbering scheme becomes more subjective.

**Reference:** Clague, D.A. and Dalrymple, G.B. (1987). The Hawaiian-Emperor volcanic chain, Part 1: Geologic evolution. United States Geological Survey Professional Paper 1350-1: 5-54.

### Linear Age Progression for Hawaiian Seamount Trail

