



Base from U.S. Geological Survey, 1957

TABLE 2.—Known and inferred approximate ages of selected lava flows on the flanks of Haleakala <sup>1</sup>									
Flow no.	Lava type <sup>2</sup>	Outcrop date <sup>3</sup>	Thickness and thickness <sup>4</sup> (m)	Local radii <sup>5</sup>	Slope <sup>6</sup>	Drainage <sup>7</sup>	Approximate age <sup>8</sup>		
1	A	10/19/68-8	1	N	Mostly G	Mostly T	8500 <sup>9</sup>		
2	A	10/19/68-8	1.6	N	Mostly G	Mostly T	>10,000 <20,000		
3	A	7/5/68-6	0	N	Mostly G	Mostly T	4070 <sup>9</sup>		
4	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
5	A	7/5/68-6	0	N	Mostly G	Mostly T	>10,000 <20,000		
6	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
7	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
8	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
9	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
10	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
11	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
12	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
13	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
14	A	10/19/68-8	0.2-0.3	N	Mostly G	Mostly T	>10,000 <20,000		
15	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
16	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
17	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
18	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
19	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
20	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
21	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
22	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
23	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
24	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
25	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
26	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
27	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
28	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
29	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
30	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
31	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
32	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
33	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
34	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
35	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
36	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
37	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
38	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
39	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
40	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
41	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
42	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
43	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
44	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
45	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
46	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
47	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
48	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
49	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
50	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
51	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
52	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
53	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
54	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
55	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
56	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
57	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
58	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
59	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
60	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
61	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
62	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
63	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
64	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
65	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
66	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
67	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
68	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
69	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
70	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
71	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
72	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
73	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
74	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
75	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
76	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
77	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
78	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
79	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
80	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
81	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
82	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
83	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
84	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
85	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
86	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
87	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
88	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
89	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
90	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
91	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
92	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
93	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
94	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
95	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
96	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
97	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
98	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
99	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		
100	A	10/19/68-8	0	N	Mostly G	Mostly T	>10,000 <20,000		

Redaction dates cited were determined in the laboratory of the U.S. Geological Survey under the supervision of Meyer Rubin. Sample locations are plotted, with sample number, on the map. Sample collected by Northern Forestry Service for dating by C. A. Macdonald.