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Table 13. Semiquantitative spectrographic analyses and colorimetric analyses for molybdenum of samples from the Nunatak molybdenum prospect

(Results are reported in parts per million, which for the spectrographic analyses have been converted from percent to the nearest number in the series 1, 0.7, 0.5, 0.3, 0.2, 0.150, and 0.1, etc., which represent approximate midpoints of group data on a geometric scale. The assigned group for 6-step results will include more accurately determined values about 30 percent of the time).

Symbols used: 0 = looked for but not detected; -- = not looked for; < = less than

The following elements were looked for but not found: As, Au, Be**, Cd, Hg, La, Li, Nb, Pd, Pt, Sb, Tl, W, Zn

(** 2 ppm Be were detected in sample 66AMk-102A)

Semiquantitative spectrographic analyses by Harriet Neiman, U. S. Geological Survey

* Molybdenum determined colorimetrically by G. T. Burrow and E. J. Fennelly, U. S. Geological Survey

Sample locations and descriptions are shown in Figure 30.

Sample No.	Mo*	Ag	Ba	Bi	Co	Cr	Cu	Fe	Mn	Mo	Ni	Pb	Sn	Ti	V	Y
66AMk-93	305	0	70	0	7	20	150	50,000	1,000	200	15	0	0	2,000	70	15
94	275	0	100	0	7	15	150	30,000	700	100	10	0	0	1,500	30	0
95	725	0	70	0	10	30	300	70,000	700	500	20	0	0	1,500	50	10
96	700	0	100	0	7	30	100	30,000	700	300	15	0	0	2,000	70	10
97	190	0	150	0	10	50	100	70,000	1,500	200	15	0	0	3,000	70	15
98	370	0	100	0	7	20	200	50,000	1,000	100	15	0	0	2,000	50	10
99	360	0	100	0	7	50	200	50,000	1,000	300	15	0	0	2,000	50	10
100	45	0	150	0	10	50	100	70,000	1,500	30	20	0	0	2,000	70	10
101	55	0	150	0	10	70	100	70,000	1,500	30	20	0	0	3,000	70	10
102A	1370	0	100	0	7	20	500	70,000	2,000	1,000	10	0	0	1,500	50	0
102B	665	0	150	0	10	70	200	70,000	2,000	20	20	0	0	2,000	70	10
103	60	0	300	0	10	50	200	50,000	1,500	20	20	0	0	2,000	70	10
104	115	0	200	0	10	100	150	70,000	1,500	30	30	0	0	3,000	100	10
105	8	0	500	0	10	150	70	50,000	1,000	7	20	0	0	3,000	100	10
106	55	0	500	0	10	150	50	50,000	1,000	50	30	0	0	2,000	100	10
107	15	0	150	0	10	50	500	70,000	1,500	10	15	0	0	1,500	70	10
108	145	0	150	0	15	30	1,000	70,000	1,000	100	15	0	0	3,000	70	15
109	25	0	150	0	10	70	300	70,000	1,500	150	15	0	0	3,000	100	20
110	45	0	100	0	10	100	300	70,000	2,000	30	20	0	0	2,000	70	15
111	<5	0	200	0	10	30	100	50,000	1,500	5	15	0	0	2,000	70	10
112	<5	0	200	0	7	30	300	50,000	1,500	<5	15	0	10	3,000	100	15
122	110	0	70	0	0	7	150	15,000	500	15	0	0	0	300	15	0
123	40	0	100	0	0	10	100	20,000	700	30	3	0	15	700	20	0
124	40	0	150	0	0	15	200	30,000	500	20	7	0	0	1,500	30	10
125	170	0	200	0	0	3	200	15,000	200	100	0	0	0	500	15	0
126	30	0	700	0	5	15	50	20,000	300	20	7	0	0	1,500	70	10
127	40	0	700	0	0	3	30	10,000	100	30	0	0	0	700	15	0
128	60	0	700	0	0	1	50	10,000	150	50	0	0	0	500	0	0
129	40	0	700	0	0	1	70	15,000	150	15	0	0	0	500	10	0
130	10	0	300	10	0	2	100	10,000	200	7	0	0	0	300	0	0
131	10	0	150	0	0	1.5	50	7,000	200	7	0	0	0	200	0	0
132	10	0	150	0	0	15	70	20,000	7,000	7	5	0	0	1,000	30	0
133	20	0	150	0	0	10	50	20,000	1,000	20	5	0	0	700	30	0
134	160	0	50	0	0	10	50	30,000	1,000	100	5	0	0	1,000	30	0
136	20	0	300	0	10	20	50	50,000	1,000	15	15	0	0	3,000	150	15
137	80	0	300	0	5	15	30	30,000	1,000	70	7	0	0	2,000	50	0
140	20	0	150	0	7	30	70	50,000	1,500	0	10	0	0	1,500	70	10
66ARe-1	160	0	70	0	15	30	50	70,000	3,000	100	15	0	0	3,000	100	15
2	70	0	100	0	15	50	100	50,000	2,000	30	20	0	0	5,000	150	15
3	815	0	50	10	7	30	50	30,000	2,000	500	10	0	0	2,000	50	10
4	2480	0	70	0	7	20	30	30,000	1,500	1,500	10	0	0	1,500	70	10
5	900	0	100	0	7	30	50	50,000	1,500	500	20	0	0	1,500	70	10
6	1290	0	150	0	7	20	50	50,000	2,000	1,000	15	0	0	1,500	70	10

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Table 13. (continued)

Sample No.	Mo*	Ag	Ba	Bi	Co	Cr	Cu	Fe	Mn	Mo	Ni	Pb	Sn	Ti	V	Y
66ARe-7	810	0	150	0	7	30	100	5,000	1,500	700	20	0	0	1,500	100	10
8	1665	1	100	0	7	20	200	30,000	1,500	700	15	20	0	1,000	50	0
9	640	0	100	0	7	30	70	30,000	1,000	300	15	10	0	1,500	70	10
10	<5	0	100	0	15	70	15	70,000	1,500	0	30	0	20	2,000	100	15
11	145	0	100	0	10	30	30	50,000	1,500	100	15	0	0	2,000	100	10
12	1080	0	70	0	10	50	50	50,000	1,500	500	20	0	0	2,000	70	10
13	60	0	150	0	10	30	50	50,000	2,000	50	15	0	0	1,500	70	10
14	735	0	70	0	5	15	50	30,000	2,000	300	10	0	0	1,500	50	0
15	815	0	150	0	7	70	30	50,000	1,500	500	20	0	0	2,000	70	10
16	985	0	200	0	15	100	100	50,000	1,000	700	30	0	0	3,000	100	15
17	415	0	150	0	20	200	50	70,000	1,000	500	100	0	0	3,000	200	15
18	10	0	150	0	10	30	100	50,000	1,500	7	15	0	0	3,000	100	15
20	880	0	50	0	0	3	30	10,000	500	500	0	0	0	300	10	0
21	1500	0	30	0	0	3	20	10,000	500	700	0	0	0	200	0	0
22	1500	0	30	0	0	2	100	7,000	200	700	0	0	0	200	0	0
23	3000	0	30	0	7	15	70	50,000	1,500	1,500	7	10	0	1,500	50	10
24	2900	1.5	100	0	0	15	700	20,000	1,000	1,000	5	0	0	700	30	0
25	80	0	100	0	15	30	1,000	50,000	1,000	30	15	0	0	1,500	70	10