

Table 1.—Semi-quantitative spectrophotometric and atomic absorption analyses

In ppm (parts per million) from composite chip analyses and present maps of the Dragon Mountain Roadless Area, Cochise County, Arizona. Following by R. T. Hopkins and J. R. Bartley. Letter symbols N, not detected; D, detected but below limit of determination; G, greater than. Numbers in parentheses following numbers are lower limits of determination.

Sample no.	Field no.	Ag	As	Au	Cd	Co	Cu	Fe	Pb	Sn	Sr	Tl	Zn	Other elements shown where anomalous
37	1	80500	N	L	N	N	20	15	N	15	N	15	N	50
	2	100	L	N	N	100	100	100	100	100	100	100	100	100
	3	67	L	N	N	150	50	150	300	150	150	150	150	150
	4	63	N	N	N	150	150	150	150	150	150	150	150	150
	5	63	N	N	N	150	150	150	150	150	150	150	150	150
	6	45	500	30	0.15	N	70	L	N	500	7000	300	N	2000 1500 N 3.8 N 860
	7	8100	100	10	N	100	100	100	100	100	100	100	100	100
	8	74	30	L	N	N	6	1000	1000	1000	1000	1000	1000	1000
	9	74	30	L	N	N	6	1000	1000	1000	1000	1000	1000	1000
	10	78	50	L	N	N	70	1.5	10	1000	300	150	100	150000
	11	81	1	1500	L	N	300	5	N	30	150	40	N	3
	12	81	1	1500	L	N	300	5	N	30	150	40	N	3
	13	81	1	1500	L	N	300	5	N	30	150	40	N	3
	14	91	10	L	N	N	150	5	L	N	3000	1500	5	50 15 15 L N 450
	15	92	1	N	N	N	10	10	N	1000	2000	100	10	100
	16	96	3	140	L	N	30	L	N	70	100	70	N	1.2 N 45
	17	99	8	N	N	N	30	150	100	100	100	100	100	100
	18	109	50	N	N	N	30	1.5	30	1500	2000	70	2000	60 20 40 N 13000
	19	118	3	20	15	15	15	15	15	15	15	15	15	15
	20	117	30	40	L	N	30	30	30	30	30	30	30	30
	21	112	15	10	10	10	10	10	10	10	10	10	10	10
	22	108	200	400	35	N	N	N	N	N	N	N	N	N
	23	106	100	20	2.5	N	70	1.5	N	300	1500	300	100	15000 1700
	24	105	70	L	0.5	N	200	1	N	100	100	100	100	100
	25	107	10	10	10	10	10	10	10	10	10	10	10	10
	26	105	70	L	0.5	N	200	1	N	100	100	100	100	100
	27	107	10	10	10	10	10	10	10	10	10	10	10	10
	28	107	10	10	10	10	10	10	10	10	10	10	10	10
	29	107	10	10	10	10	10	10	10	10	10	10	10	10
	30	835	300	40	1.0	N	300	2	1000	2000	2000	100	40	N 2400 1450,8170
	31	32	30	10	L	N	300	1	N	2000	1500	150	10	N 780 Cu150,La70,Rh10,Zr500
	32	30	10	L	N	N	300	1	N	2000	1500	150	10	N 780 Cu150,La70,Rh10,Zr500
	33	30	10	L	N	N	300	1	N	2000	1500	150	10	N 780 Cu150,La70,Rh10,Zr500
	34	30	10	L	N	N	300	1	N	2000	1500	150	10	N 780 Cu150,La70,Rh10,Zr500
	35	39	8	L	N	N	30	20	N	180	1500	7	30	5 30 1.2 N 180
	36	29	7	10	N	N	20	10	70	N	7000	50	300	10 300 2.0 L 3600
	37	26	30	L	N	N	10	10	10	10	10	10	10	10
	38	26	30	L	N	N	10	10	10	10	10	10	10	10
	39	26	30	L	N	N	10	10	10	10	10	10	10	10
	40	11	5	L	N	N	50	2	N	200	150	6	L	N 15 3530
	41	60	N	N	N	10	700	2	N	30	1000	2	N	80
	42	60	N	N	N	10	700	2	N	30	1000	2	N	80
	43	8090	1	0.5	N	200	20	N	10	150	5000	N	70	150 1.8 L 16000
	44	88	N	L	N	100	10	10	10	150	700	N	10	N 35
	45	87	N	L	N	100	10	10	10	150	700	N	10	N 35
	46	87	N	L	N	100	10	10	10	150	700	N	10	N 35
	47	87	N	L	N	100	10	10	10	150	700	N	10	N 35
	48	36	30	L	N	N	300	150	150	2000	4500	200	300	20 1.0 N 114000
	49	10	70	L	N	N	300	150	150	2000	4500	200	300	20 1.0 N 114000
	50	33	8	L	N	N	70	10	N	20	5000	10	15	N 120
	51	41	200	10	L	N	70	10	100	1000	1500	100	6.2	N 3500 7700
	52	15	20	L	N	N	100	100	100	100	100	100	100	100
	53	25	150	40	L	N	10	10	300	1000	1000	15	10	6.0 N 200000
	54	29	30	L	N	N	100	100	100	100	100	100	100	100
	55	29	30	L	N	N	100	100	100	100	100	100	100	100
	56	15	70	L	N	N	100	200	500	1500	4500	15	10000	15 N 100000
	57	15	70	L	N	N	100	200	500	1500	4500	15	10000	15 N 100000
	58	24	30	L	N	N	10	10	10	100	1000	10	10	N 150
	59	12	15	L	N	N	10	10	10	100	1000	10	10	N 150
	60	520	50	L	0.5	N	20	7	20	N	5000	500	10	N 480
	61	512	15	L	N	N	20	7	20	N	5000	500	10	N 480
	62	512	15	L	N	N	20	7	20	N	5000	500	10	N 480
	63	44	10	L	N	N	100	150	10	10	100	10	10	100
	64	24	10	L	N	N	100	150	10	10	100	10	10	100
	65	24	10	L	N	N	100	150	10	10	100	10	10	100
	66	514	70	L	N	N	300	1	N	20	10000	300	10	N 100000 11000
	67	131	100	10	L	N	150	2	N	300	1500	150	10	N 3000
	68	131	100	10	L	N	150	2	N	300	1500	150	10	N 3000
	69	570	500	10	20	N	20	10	10000	2000	2000	20	100	N 45000
	70	53	30	40	L	N	150	3	100	150	700	4500	300	N 3000
	71	76	1	20	N	N	15	150	10	N	10	10	10	N 210 59000
	72	75	150	L	N	N	1000	1.5	1000	1000	1000	10	15	N 160000
	73	72	100	L	N	N	100	1.5	1000	1000	1000	10	15	N 160000
	74	72	100	L	N	N	100	1.5	1000	1000	1000	10	15	N 160000
	75	73	700	L	N	N	2000	1	N	1000	1000	10	18	N 2800
	76	15	150	N	N	N	1000	15	N	10	10	10	15	N 150 1500
	77	54	2	L	N	N	50	20	N	1000	5000	70	800	2.8 100 900
	78	54	2	L	N	N	50	20	N	1000	5000	70	800	2.8 100 900
	79	54	2	L	N	N	50	20	N	1000	5000	70	800	2.8 100 900
	80	9	5	L	N	N	700	5	N	700	500	50	50	N 420 78300
	81	7	10	L	N	N	300	1	N	300	100	100	1.2	N 50 390
	82	7	10	L	N	N	300	1	N	300	100	100	1.2	N 50 390

Notes: The following correlation, list of map units, and explanation of symbols are for the geologic base map shown in gray.

Correlation of map units:

- Q1a: QUATERNARY AND TERTIARY: Alluvium of terrace, pediment, and basaltic deposits.
- T1: TERTIARY: T1a: Tuff; T1b: Sandstone; T1c: Shale and siltstone; T1d: Sandstone and shale; T1e: Sandstone and shale; T1f: Sandstone and shale; T1g: Sandstone and shale; T1h: Sandstone and shale; T1i: Sandstone and shale; T1j: Sandstone and shale; T1k: Sandstone and shale; T1l: Sandstone and shale; T1m: Sandstone and shale; T1n: Sandstone and shale; T1o: Sandstone and shale; T1p: Sandstone and shale; T1q: Sandstone and shale; T1r: Sandstone and shale; T1s: Sandstone and shale; T1t: Sandstone and shale; T1u: Sandstone and shale; T1v: Sandstone and shale; T1w: Sandstone and shale; T1x: Sandstone and shale; T1y: Sandstone and shale; T1z: Sandstone and shale.
- C1: CRETACEOUS: C1a: Sandstone and shale; C1b: Sandstone and shale; C1c: Sandstone and shale; C1d: Sandstone and shale; C1e: Sandstone and shale; C1f: Sandstone and shale; C1g: Sandstone and shale; C1h: Sandstone and shale; C1i: Sandstone and shale; C1j: Sandstone and shale; C1k: Sandstone and shale; C1l: Sandstone and shale; C1m: Sandstone and shale; C1n: Sandstone and shale; C1o: Sandstone and shale; C1p: Sandstone and shale; C1q: Sandstone and shale; C1r: Sandstone and shale; C1s: Sandstone and shale; C1t: Sandstone and shale; C1u: Sandstone and shale; C1v: Sandstone and shale; C1w: Sandstone and shale; C1x: Sandstone and shale; C1y: Sandstone and shale; C1z: Sandstone and shale.
- P1: PERMIAN AND PALEOZOIC: P1a: Sandstone and shale; P1b: Sandstone and shale; P1c: Sandstone and shale; P1d: Sandstone and shale; P1e: Sandstone and shale; P1f: Sandstone and shale; P1g: Sandstone and shale; P1h: Sandstone and shale; P1i: Sandstone and shale; P1j: Sandstone and shale; P1k: Sandstone and shale; P1l: Sandstone and shale; P1m: Sandstone and shale; P1n: Sandstone and shale; P1o: Sandstone and shale; P1p: Sandstone and shale; P1q: Sandstone and shale; P1r: Sandstone and shale; P1s: Sandstone and shale; P1t: Sandstone and shale; P1u: Sandstone and shale; P1v: Sandstone and shale; P1w: Sandstone and shale; P1x: Sandstone and shale; P1y: Sandstone and shale; P1z: Sandstone and shale.
- PH1: PHANEROZOIC X: PH1a: Sandstone and shale; PH1b: Sandstone and shale; PH1c: Sandstone and shale; PH1d: Sandstone and shale; PH1e: Sandstone and shale; PH1f: Sandstone and shale; PH1g: Sandstone and shale; PH1h: Sandstone and shale; PH1i: Sandstone and shale; PH1j: Sandstone and shale; PH1k: Sandstone and shale; PH1l: Sandstone and shale; PH1m: Sandstone and shale; PH1n: Sandstone and shale; PH1o: Sandstone and shale; PH1p: Sandstone and shale; PH1q: Sandstone and shale; PH1r: Sandstone and shale; PH1s: Sandstone and shale; PH1t: Sandstone and shale; PH1u: Sandstone and shale; PH1v: Sandstone and shale; PH1w: Sandstone and shale; PH1x: Sandstone and shale; PH1y: Sandstone and shale; PH1z: Sandstone and shale.



Figure 2.—Distribution of silver (Ag), lead (Pb), copper (Cu), and molybdenum (Mo) in mineralized rocks of the Dragon Mountain Roadless Area, Cochise County, Arizona.

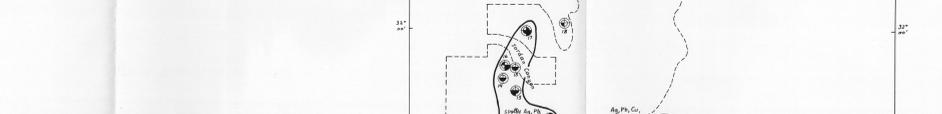


Figure 3.—Distribution of barium (Ba), zinc (Zn), bismuth (Bi), cadmium (Cd), and tin (Sn) in mineralized rocks of the Dragon Mountain Roadless Area, Cochise County, Arizona.

