

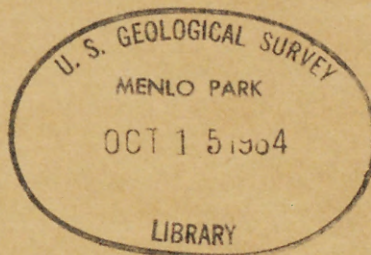
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Copper Determinations on Samples of
— Alluvium and Caliche from the Rocky —
Range, Beaver County, Utah
by Erickson, R.L. & Marranzino, A.P.



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DEPARTMENT OF THE INTERIOR
United States Geological Survey

[REPORTS. OPEN FILE, SW 749]

Copper determinations on samples of alluvium and caliche
from the Rocky Range, Beaver County, Utah

by

E. L. Erickson and A. P. Marranzino



Open file report

1964

Copper determinations on samples of alluvium and caliche
from the Rocky Range, Beaver County, Utah

By R. L. Erickson and A. P. Marranzino

A study of the distribution of copper in transported alluvium on a pediment of the Rocky Range, Beaver County, Utah, undertaken to determine whether known copper deposits in bedrock concealed by alluvium could be detected by geochemical methods, was reported in Geological Survey Research 1960 (Erickson, R.L., and Marranzino, A.P., 1960, Geochemical prospecting for copper in the Rocky Range, Beaver County, Utah: U.S. Geol. Survey Prof. Paper 400-B, p. B98-B101). The attached map and table supplement that paper by giving the locations at which the samples were collected and the analytical determinations of copper in the samples.

Table 1.--Copper determinations on samples of
alluvium and caliche

Sample No.	Copper (parts per million)		Sample No.	Copper (parts per million)	
	Alluvium	Caliche		Alluvium	Caliche
1	50	15	21	55	50
2	100	200	22	75	75
3	50	75	23	110	100
4	200	75	24	300	200
5	150	150	25	220	150
6	75	100	26	300	50
7	75	50	27	150	75
8	75	50	28	300	200
9	75	25	29	40	15
10	75	50	30	110	100
11	300	150	31	110	75
12	150	75	32	150	150
13	200	150	33	200	200
14	600	200	34	55	75
15	50	15	35	75	75
16	50	15	36	150	200
17	220	150	37	110	300
18	75	100	38	75	100
19	75	50	39	150	150
20	75	35	40	150	200

Table 1.--Copper determinations on samples of
alluvium and caliche (continued)

Sample No.	Copper (parts per million)		Sample No.	Copper (parts per million)	
	Alluvium	Caliche		Alluvium	Caliche
41	300	150	61	110	150
42	75	50	62	150	100
43	25	15	63	110	75
44	100	75	64	55	75
45	150	100	65	110	150
46	150	200	66	300	100
47	150	100	67	300	200
48	600	150	68	150	100
49	75	100	69	300	400
50	300	150	70	300	100
51	150	200	71	100	100
52	150	200	72	110	100
53	150	100	73	150	150
54	300	200	74	150	200
55	300	150	75	150	150
56	75	15	76	150	100
57	50	50	77	110	75
58	100	100	78	110	150
59	150	100	79	110	150
60	220	200	80	110	200

Table 1.--Copper determinations on samples of
alluvium and caliche (continued)

Sample No.	Copper (parts per million)		Sample No.	Copper (parts per million)	
	Alluvium	Caliche		Alluvium	Caliche
81	150	200	96	110	150
82	150	150	97	110	100
83	200	100	98	200	150
84	200	150	99	150	75
85	150	100	100	150	75
86	150	100	101	100	100
87	150	100	102	150	75
88	75	100	103	150	75
89	75	100	104	100	50
90	110	100	105	75	50
91	150	100	106	100	50
92	55	50	107	150	150
93	75	75	108	150	200
94	75	150	109	150	150
95	110	400	110	200	70

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