

Table 2. Mercury data for mine-waste calcines and sediment samples collected from selected mercury mines, the Humboldt River, Rye Patch Reservoir, and Rock Creek.[Sample-number prefixes indicate collection date, e.g., 99 = 1999. ^a, replicate analyses; n.a., not analyzed]

Sample number	Location/description	Hg ($\mu\text{g/g}$)	Methyl-Hg (ng/g)
99DFL1ca	Dutch Flat mine-waste calcines	320	n.a.
99DFL2ca	Dutch Flat mine-waste calcines	110	n.a.
99DFL1ca	Dutch Flat mine-waste calcines inside small retort	680	n.a.
00RD1ca	Red Devil mine-waste calcines	26	n.a.
00RD1ca	Red Devil mine-waste calcines	320	n.a.
00RD1ca	Red Devil mine-waste calcines	2.4	n.a.
00RD1s	Red Devil mine, stream sediment 300 m below mine	0.21	n.a.
00RD2s	Red Devil mine, stream sediment 500 m below mine	0.80	n.a.
00RD3s	Red Devil mine, stream sediment 1,000 m below mine	0.23	n.a.
00CC1ca	Cinnabar City mine-waste calcines	12	n.a.
00CC2ca	Cinnabar City mine-waste calcines	1.3	n.a.
00CC3ca	Cinnabar City mine-waste calcines	6.2	n.a.
00CC1s	Cinnabar City mine, stream sediment 100 m below mine	7.8	n.a.
00CC2s	Cinnabar City mine, stream sediment 300 m below mine	3.5	n.a.
00CC3s	Cinnabar City mine, stream sediment 1,500 m below mine	0.8	n.a.
00HN03ca	Horton mine-waste calcines	610	n.a.
01HN1ca	Horton mine-waste calcines	380	0.80
01HN2ca	Horton mine-waste calcines	220	0.99
00HN01s	Horton mine, stream sediment 300 m below mine	0.90	n.a.
00HN02s	Horton mine, stream sediment 800 m below mine	0.90	n.a.
00HN03s	Horton mine, stream sediment 5,000 m below mine	0.17	n.a.
99CAH01ca	Cahill mine-waste calcines	680	n.a.
01CAH1rt	Cahill mine-waste calcines inside small retort	27, 28 ^a	0.87
01CAH03ca	Cahill mine-waste calcines	64, 62 ^a	0.31
99CAH1s	Cahill mine, stream sediment 500 m below mine	170	n.a.
99CAH2s	Cahill mine, stream sediment 800 m below mine	2.0	n.a.
00BJK01ca	Eldorado mine-waste calcines	1,000	7.7
00BJK02ca	Eldorado mine-waste calcines	25	< 0.05
01BJK01ca	Eldorado mine-waste calcines	1,300, 1,200 ^a	3.5, 4.2 ^a
00BJK01s	Eldorado mine, stream sediment 100 m below mine	1.7	0.95
00BJK02s	Eldorado mine, stream sediment 500 m below mine	1.4	0.26
00BJK03s	Eldorado mine, stream sediment 2000 m below mine	0.87	0.23
01TB01ca	Mt. Tobin mine-waste calcines	520, 540 ^a	0.073
01TB02ca	Mt. Tobin mine-waste calcines	290	< 0.05
01TB03ca	Mt. Tobin mine-waste calcines	1,200	2.9
00TB01s	Mt. Tobin mine, stream sediment 50 m below mine	40	0.18
00TB02s	Mt. Tobin mine, stream sediment 400 m below mine	60	0.21
00TB03s	Mt. Tobin mine, stream sediment 1,500 m below mine	22	0.12
00TB04s	Mt. Tobin mine, stream sediment 6,000 m below mine	0.16	n.a.
00TB05s	Mt. Tobin mine, stream sediment 8,000 m below mine	0.23	n.a.
99SLV1ca	Silver Cloud mine-waste calcines	3.0	n.a.
99SLV2ca	Silver Cloud mine-waste calcines	17	n.a.
99SLV1rt	Silver Cloud mine-waste calcines inside small retort	180	n.a.
99SLV01s	Silver Cloud mine, stream sediment 150 m below mine	18	n.a.
99SLV01s	Silver Cloud mine, stream sediment 2,000 m below mine	8.8	n.a.
00BU01ca	Butte mine-waste calcines	79	0.07
00BU02ca	Butte mine-waste calcines	14	< 0.05
00BU03ca	Butte mine-waste calcines	45	n.a.