

TABLE S1: ANALYTICAL RESULTS FOR EPITHERMAL DEPOSIT SAMPLES

Sample Name	Type	Description	Method	$\delta^{202}\text{Hg}$
<u>National</u>				
BN-5 352 <sup>†</sup>	Vein	Drusy quartz veinlet w/ stibnite	leach	-0.1
BM-9	MC	Blk metacinnabar layers in sinter	leach	-0.2
BM-10	Cinn	Red cinnabar layers in sinter	leach	-2.3
BM-11	Cinn	Red cinn in sinter w/ mudcrack textures	leach	-3.0
BM-12	Cinn	Red cinn in sinter, taken from open cut at summit	leach	-1.4
BM-13	Cinn	Silicified, bedded epiclastic sediments w/ red cinn	leach	-0.4
BM-14	Vein	Banded qtz vein, elec, Ag-selenides, tetra, py	leach	0.5
BVPD03-1 <sup>§</sup>	Vein	Banded qtz vein, sulfides, selenides	pyrolysis	-1.4
BVPD03-2 <sup>§</sup>	Vein	Banded qtz vein, sulfides, selenides	pyrolysis	1.3
BNMS-D <sup>§</sup>	Cinn	Bedded sinter, red cinn bands w/ brown detritus	pyrolysis	-1.6
BNMS-E <sup>§</sup>	Cinn	Finely laminated sinter, red cinn bands	pyrolysis	-3.5
BUCK02-1A1 <sup>§</sup>	MC	Chalcedonic sinter w/ clots, diss. of blk metacinn	pyrolysis	0.4
BUCK02-1A2 <sup>§</sup>	MC	Sinter w/ mixed blk metacinn and red cinn	pyrolysis	2.1
BUCK02-1A3 <sup>§</sup>	MC	Sinter w/blk metacinn bands,clots w/ red cinn clots	pyrolysis	0.3
BUCK02-5 <sup>§</sup>	MC	Blk porous metacinn bed in clastic sinter	pyrolysis	1.9
<u>Ivanhoe</u>				
IH76-902 <sup>#</sup>	Vein	Qtz vein and qtz cemented bx, py, selenides	leach	-0.6
VL-1	Cinn	Frothy silica sinter replacing lithic tuff and seds	leach	-0.8
VL-2	Cinn	Alternating gry bands of silica and clastic layers	leach	-1.2
VL-3	Cinn	White silicified tuff	leach	-0.5
VL-10 <sup>#</sup>	Cinn	White silicified tuff	leach	-0.5
BU-1	Cinn	Sinter w/ red cinn, dessication cracks	leach	-0.9
BU-2	Cinn	Sinter w/ red cinn, open cut	leach	-0.9
KA-2	Cinn	Sinter w/ red cinn, dessication cracks	leach	-0.9
CLEM-1 <sup>#</sup>	Fault	Frothy silica, red cinn	leach	-0.4
CLEM-2 <sup>#</sup>	Fault	Frothy silica, silica cemented bx, red cinn	leach	-0.4

Note: All  $\delta^{202}\text{Hg}$  values are reported relative to the NIST 3133 Hg standard. Errors on  $\delta^{202}\text{Hg}$  are  $\pm 0.1\text{‰}$  ( $2\sigma$ ) based on external reproducibility of natural ore samples.

\*MC = metacinnabar-bearing sinter, Cinn = cinnabar-bearing sinter

<sup>†</sup>Access to drill core provided by R. Hatch.

<sup>§</sup>Powdered splits provided by P.G. Vikre.

<sup>#</sup>Samples provided by B. Peppard.