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# GEOCHEMICAL DATA FOR ROCK SAMPLES COLLECTED FROM SELECTED SEDIMENT-HOSTED DISSEMINATED PRECIOUS-METAL DEPOSITS IN NEVADA

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## INTRODUCTION

This report presents geochemical data that are useful for characterizing sediment-hosted disseminated precious-metal deposits. This new data set was generated as part of a research project on precious-metal deposits that includes detailed geologic mapping, structural, mineralogical, and geochemical studies of several districts in Nevada that contain deposits of this type. Funding is by the Development of Assessment Techniques Program of the U.S. Geological Survey. The data file presented herein represents the initial portion of a comprehensive geochemical data base providing geochemical criteria that will help define occurrence models and that will constrain genetic and exploration models for sediment-hosted precious-metal deposits. The areas studied include both gold- and silver-rich deposits.

An interpretation of the data is currently in preparation and will be published under separate cover.

## SAMPLE COLLECTION AND PREPARATION

Rock samples were collected at 195 sites in 19 sediment-hosted disseminated precious-metal deposits (Fig. 1). A rock description from each sample site is given in Appendix 1.

An attempt was made at each deposit to obtain rock samples that were representative of the variability in ore grade, alteration type, and lithology. Where possible, unaltered samples of host rocks were collected to provide an estimation of background values.

Rock samples were crushed and then pulverized with ceramic plates to minus 0.15 mm.

## SAMPLE ANALYSIS

Rock samples were analyzed for 31 elements using a semiquantitative direct-current arc emission spectrographic method (Grimes and Marranzino, 1968). The elements analyzed by this method and their lower limits of determination are listed in Table 1. Spectrographic results were obtained by a visual comparison of spectra derived from the sample against spectra obtained from standards prepared from pure metal oxides and carbonates. Standard concentrations are geometrically spaced over any given order of magnitude of concentration as follows: 100, 50, 20, 10, and so forth. Samples whose concentrations are estimated to fall between these values are assigned values of 70, 30, 15, and so forth. The precision of the analytical method is approximately plus or minus one reporting interval at the 83 percent confidence level and plus or minus two reporting intervals at the 96 percent confidence level (Motooka and Grimes, 1976).

Values determined for the major elements (iron, magnesium, calcium, and titanium) are given in weight percent; all others are given in parts per million (micrograms/gram). Gold and thorium were eliminated from Table 3 as there were no detectable values by the emission spectrographic method.

Wet chemical methods were employed for the rock analysis of certain elements that were above or below the emission spectrographic determination limits, or elements that cannot be determined by the emission spectrographic method. Elements analyzed by flame atomic absorption spectrophotometry were gold, arsenic, antimony, zinc, cadmium, bismuth, and thallium. Tellurium was determined by electrothermal atomic-absorption spectrophotometry. Mercury analyses were obtained by a thermally released mercury-gold amalgum atomic

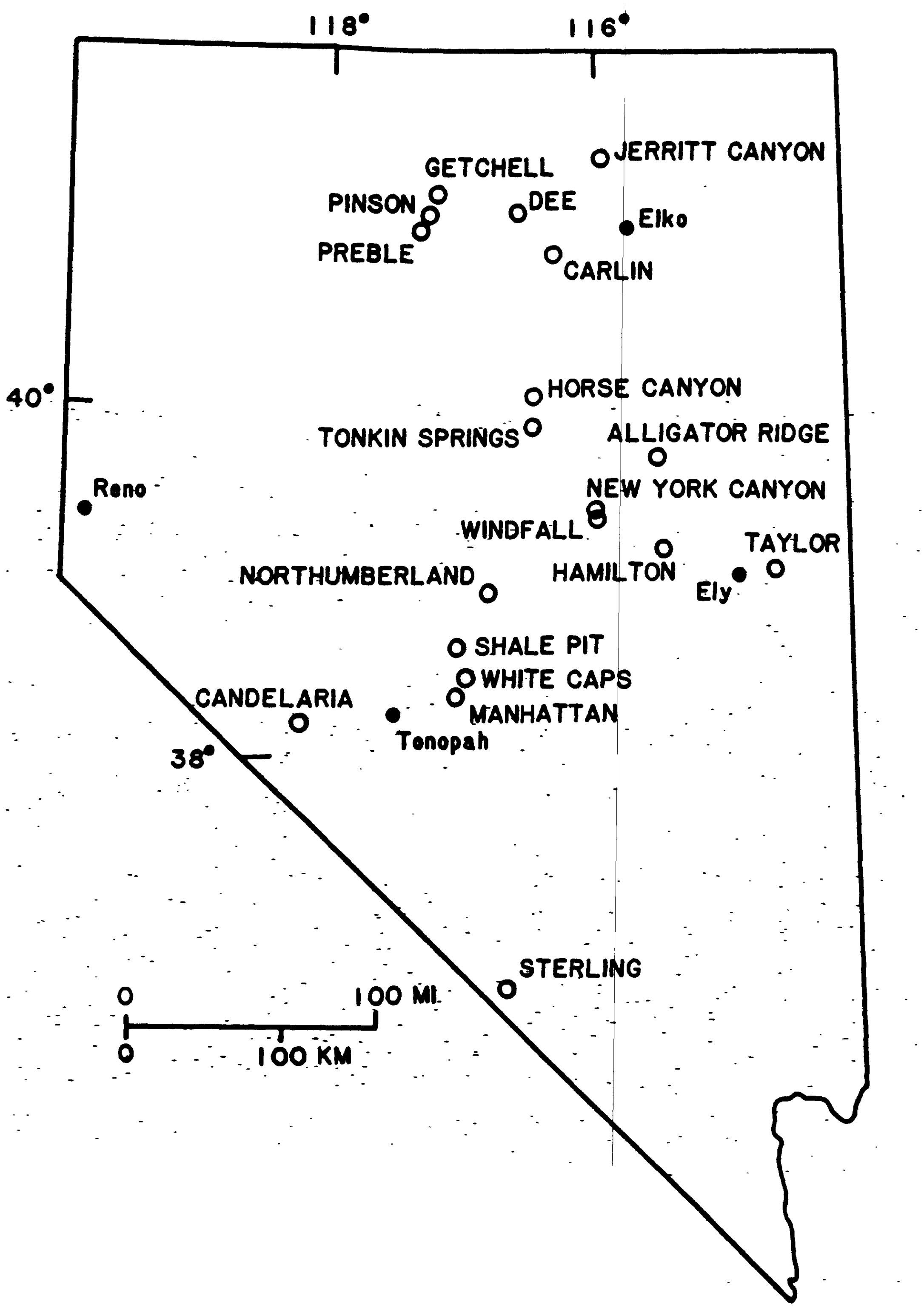


Figure 1. Locations of selected sediment-hosted precious-metal deposits sampled for this study.

absorption method. Tungsten analyses were performed by a visible spectrophotometric method. An ion specific electrode technique was used for the fluorine analyses. A summary of the methods used, lower limits of determination, percent relative standard deviation, and references are given in Table 2.

For the elements in Table 2, the reporting values vary with the element and with the concentration level for each element. Precision for these methods is reported as a percent relative standard deviation (% RSD), and is based on replicate analysis of samples selected to provide information on varied geological matrices and different concentration levels. The precision for these methods tends to be lowest for elemental concentrations at or near its lower limit of determination.

As an example in interpreting these ranges, one might consider zinc whose range is shown at 0.9-3.4% RSD. This range indicates that a reported zinc value listed in Table 3 should be within $\pm$ 3.4% of the mean value for that sample. One reference sample was analyzed with every 30 field samples to monitor the precision of the analyses.

## ROCK ANALYSIS STORAGE SYSTEM

Upon completion of all analytical work, the analytical results were entered into a computer-based file called Rock Analysis Storage System (RASS). This data base contains both descriptive geological information and analytical data. Any or all of this information may be retrieved and converted to another format for statistical analysis or publication (VanTrump and Miesch, 1976).

## DESCRIPTION OF TABLE 3

Table 3 lists the analytical results for samples from 19 selected sediment-hosted precious-metal deposits. The data are arranged so that column 1 contains the field numbers; these numbers also appear in the samples description (Appendix 1). Columns in which the element headings show the letter "s" below the element symbol are emission spectrographic analyses; "aa" indicates atomic absorption analyses; "Inst" indicates the instrumental method for mercury analyses; the letter "S" indicates spectrophotometric analyses; and the letters "SI" indicate specific ion analyses. A letter "N" in the table indicates that a given element was looked for but not detected at the lower limit of determination as shown for that element in Tables 1 and 2. If an element was detected but was below the lowest reporting value, a "less than" symbol (<) was entered in the table in front of the lower limit of determination. If an element was detected but was above the highest reporting value, a "greater than" symbol (>) was entered in the table in front of the upper limit of determination. All values shown are in parts per million (micrograms/gram) except iron (Fe), magnesium (Mg), calcium (Ca), and titanium (Ti) which are given in percent. Because of the formatting used in the computer program that produced Table 3, some of the elements listed in this table (Fe, Mg, Ca, Ti, Ag, and Be) carry one or more nonsignificant digits to the right of the significant digits. The analysts did not determine these elements to the accuracy suggested by the extra zeroes.

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**TABLE 1.--Limits of determination for the spectrographic analysis of rock, based on a 10-mg sample**

| Elements | Lower determination limit | Upper determination limit |
|---|---|---|
| | Percent | |
| Iron (Fe) | 0.05 | 20 |
| Magnesium (Mg) | 0.02 | 10 |
| Calcium (Ca) | 0.05 | 20 |
| Titanium (Ti) | 0.002 | 1 |
| | Parts per million | |
| Manganese (Mn) | 10 | 5,000 |
| Silver (Ag) | 0.5 | 5,000 |
| Arsenic (As) | 200 | 10,000 |
| Gold (Au) | 10 | 500 |
| Boron (B) | 10 | 2,000 |
| Barium (Ba) | 20 | 5,000 |
| Beryllium (Be) | 1 | 1,000 |
| Bismuth (Bi) | 10 | 1,000 |
| Cadmium (Cd) | 20 | 500 |
| Cobalt (Co) | 5 | 2,000 |
| Chromium (Cr) | 10 | 5,000 |
| Copper (Cu) | 5 | 20,000 |
| Lanthanum (La) | 20 | 1,000 |
| Molybdenum (Mo) | 5 | 2,000 |
| Niobium (Nb) | 20 | 2,000 |
| Nickel (Ni) | 5 | 5,000 |
| Lead (Pb) | 10 | 20,000 |
| Antimony (Sb) | 100 | 10,000 |
| Scandium (Sc) | 5 | 100 |
| Tin (Sn) | 10 | 1,000 |
| Strontium (Sr) | 100 | 5,000 |
| Vanadium (V) | 10 | 10,000 |
| Tungsten (W) | 50 | 10,000 |
| Yttrium (Y) | 10 | 2,000 |
| Zinc (Zn) | 200 | 10,000 |
| Zirconium (Zr) | 10 | 1,000 |
| Thorium (Th) | 100 | 2,000 |

**Table 2.--Chemical methods used**

[aa = atomic absorption; Inst = instrumental; SI = specific ion; S = spectrophotometry]

| Element | Method | Determination limit (micrograms/ gram or ppm) | % RSD | Reference |
|---|---|---|---|---|
| Gold (Au) | aa | 0.05 | 9.3 -42.5 | O'Leary and Meier, 1984 |
| Mercury (Hg) | Inst | 0.02 | 8.2 -30.4 | Modification of McNerney and others, 1972, and Vaughn, and McCarthy, 1964 |
| Antimony (Sb) | aa | 2 | 1.1 -10.0 | Modification of Viets, 1978 |
| Arsenic (As) | aa | 5 | 1.6 - 6.4 | do. |
| Zinc (Zn) | aa | 5 | 0.9 - 3.4 | do. |
| Bismuth (Bi) | aa | 1 | 0.0 - 3.4 | do. |
| Cadmium (Cd) | aa | 0.1 | 0.9 - 9.8 | do. |
| Thallium (Tl) | aa | 0.2 | 2.4 -14.4 | Hubert and Lakin, 1973 |
| Tungsten (W) | S | 0.5 | 2.9 - 6.9 | Welsch, 1983 |
| Fluorine (F) | SI | 100 | .98- 5.51 | Hopkins, 1977 |
| Tellurium (Te) | aa | 0.005 | 2.8 -15.6 | Chao and others, 1978 |

Table 3.--Geochemical data for sediment-hosted disseminated precious-metal deposits in Nevada
[N, not detected; <, detected but below the limit of determination shown; >, determined to be greater than the value shown.]

| Sample | Latitude | Longitude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | B-ppm s | Ba-ppm s | Be-ppm s | Cd-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Alligator Ridge Mine | | | | | | | | |
| AR002A | 39 45 0 | 115 30 0 | 1.00 | .50 | .10 | .500 | 100 | .5 | 300 | 200 | 2,000 | 2.0 | N |
| AR003A | 39 45 0 | 115 30 0 | .20 | .02 | 10.00 | .020 | 150 | 1.5 | N | 50 | 1,000 | N | N |
| AR003B | 39 45 0 | 115 30 0 | 1.50 | .02 | .05 | .005 | <10 | 1.0 | 300 | 100 | >5,000 | <1.0 | N |
| AR004A | 39 45 0 | 115 30 0 | .30 | <.02 | .10 | .010 | <10 | 2.0 | N | 50 | >5,000 | 1.0 | N |
| AR005A | 39 45 0 | 115 30 0 | .50 | <.02 | .10 | .007 | 70 | 2.0 | N | 100 | >5,000 | 1.0 | N |
| AR006A | 39 45 0 | 115 30 0 | .70 | .10 | .07 | .070 | 50 | 2.0 | N | 150 | 700 | N | N |
| AR007A | 39 45 0 | 115 30 0 | 2.00 | .50 | 1.50 | .200 | 20 | .7 | 300 | 200 | 2,000 | 1.5 | N |
| AR008A | 39 45 0 | 115 30 0 | N | .10 | 20.00 | .005 | 500 | N | N | 10 | 500 | <1.0 | N |
| AR009A | 39 45 0 | 115 30 0 | 1.50 | .50 | .05 | .200 | 100 | .5 | 300 | 200 | 5,000 | 2.0 | N |
| AR010A | 39 45 0 | 115 30 0 | 3.00 | 3.00 | 5.00 | .300 | 300 | N | 1,000 | 500 | 500 | 3.0 | N |
| AR011A | 39 45 0 | 115 30 0 | 5.00 | .10 | .10 | .200 | 10 | 5.0 | 1,000 | 200 | 300 | 1.5 | N |
| AR012A | 39 45 0 | 115 30 0 | 3.00 | 1.00 | .10 | .500 | 1,000 | 7.0 | 2,000 | 500 | 5,000 | 3.0 | N |
| AR013A | 39 45 0 | 115 30 0 | .50 | .05 | .07 | .020 | 10 | 5.0 | N | 100 | 500 | 1.0 | N |
| AR014A | 39 45 0 | 115 30 0 | .70 | .02 | .10 | .020 | 100 | .5 | N | 30 | 700 | N | N |
| AR015A | 39 45 0 | 115 30 0 | .05 | .02 | .20 | .005 | 20 | N | N | 100 | 200 | N | N |
| | | | | | Candelaria Mine | | | | | | | | |
| CL001A | 38 9 0 | 118 6 0 | 2.00 | .15 | 2.00 | .150 | 300 | 3.0 | N | 200 | 2,000 | 2.0 | N |
| CL001B | 38 9 0 | 118 6 0 | 1.00 | 1.00 | <.05 | .500 | 100 | 2.0 | N | 1,500 | 2,000 | 5.0 | N |
| CL002A | 38 9 0 | 118 6 0 | 2.00 | .15 | .15 | .150 | 300 | 5.0 | N | 500 | 2,000 | 2.0 | N |
| CL003A | 38 9 0 | 118 6 0 | 2.00 | 10.00 | 20.00 | .002 | >5,000 | 10.0 | 500 | 70 | 70 | <1.0 | N |
| CL004A | 38 9 0 | 118 6 0 | 5.00 | 7.00 | 20.00 | .002 | >5,000 | 1,000.0 | <200 | N | 100 | 3.0 | 30 |
| CL005A | 38 9 0 | 118 6 0 | 1.00 | 5.00 | 5.00 | N | >5,000 | 10.0 | 500 | <10 | 20 | N | N |
| CL008A | 38 9 0 | 118 6 0 | .70 | .50 | .15 | .200 | 1,000 | 20.0 | 200 | >2,000 | 1,500 | 3.0 | N |
| CL008B | 38 9 0 | 118 6 0 | .50 | .30 | .05 | .200 | 300 | 5.0 | N | 500 | 1,500 | 3.0 | N |
| CL009A | 38 9 0 | 118 6 0 | 2.00 | .70 | .15 | .200 | 500 | 7.0 | 300 | >2,000 | 1,000 | 2.0 | N |
| CL010A | 38 9 0 | 118 6 0 | 2.00 | .20 | .05 | .150 | 100 | 20.0 | 700 | 500 | 5,000 | 3.0 | N |
| CL011A | 38 9 0 | 118 6 0 | 5.00 | >10.00 | 3.00 | .020 | 500 | .5 | N | 500 | 50 | N | N |
| CL012A | 38 9 0 | 118 6 0 | 1.50 | .20 | .30 | .100 | >5,000 | 10.0 | N | 200 | 1,000 | 1.5 | N |
| CL013A | 38 9 0 | 118 6 0 | 5.00 | .07 | .05 | .020 | 200 | 200.0 | 1,500 | 150 | 300 | <1.0 | N |
| CL013B | 38 9 0 | 118 6 0 | 10.00 | .20 | .07 | .200 | 200 | 2,000.0 | 5,000 | 300 | 1,500 | 1.0 | 70 |
| CL013C | 38 9 0 | 118 6 0 | 5.00 | .30 | .50 | .200 | >5,000 | 300.0 | 1,000 | 2,000 | 1,000 | 10.0 | 200 |
| CL014A | 38 9 0 | 118 6 0 | 10.00 | .20 | .30 | <.002 | 200 | 1,000.0 | >10,000 | 70 | 500 | <1.0 | N |
| CL015A | 38 9 0 | 118 6 0 | 2.00 | .30 | .50 | .050 | 500 | 150.0 | 500 | >2,000 | 500 | 1.5 | N |
| CL016A | 38 9 0 | 118 6 0 | .50 | .20 | .10 | .050 | 500 | 10.0 | 200 | 200 | 300 | <1.0 | N |
| CL017A | 38 9 0 | 118 6 0 | 1.50 | 7.00 | .10 | <.002 | 500 | 2.0 | N | 100 | 50 | <1.0 | N |
| CL018A | 38 9 0 | 118 6 0 | .50 | .20 | 5.00 | .200 | 500 | 30.0 | N | 1,000 | 1,000 | <1.0 | N |
| CL019A | 38 9 0 | 118 6 0 | 10.00 | <.02 | .10 | <.002 | 700 | 2,000.0 | 3,000 | 500 | 300 | N | 200 |
| | | | | | Carlin Mine | | | | | | | | |
| CAR8301 | 40 45 0 | 116 18 0 | 1.50 | .30 | .05 | .150 | 70 | 3.0 | 300 | 150 | 500 | 3.0 | N |
| CAR8303 | 40 45 0 | 116 18 0 | .10 | .15 | >20.00 | .010 | 500 | 10.0 | N | N | 1,500 | N | N |
| | | | | | Dee Mine | | | | | | | | |
| BC8301 | 41 2 0 | 116 25 0 | .20 | .02 | 1.50 | .020 | 20 | 200.0 | N | 20 | 1,500 | 1.0 | N |
| BC8302 | 41 2 0 | 116 25 0 | .70 | .50 | .10 | .500 | 200 | 5.0 | N | 200 | 700 | 1.5 | N |
| BC8303 | 41 2 0 | 116 25 0 | .70 | .07 | .20 | .050 | 30 | 30.0 | N | 70 | 2,000 | 1.0 | N |
| BC8305 | 41 2 0 | 116 25 0 | 2.00 | .50 | .10 | .200 | 70 | 7.0 | N | 200 | 1,000 | 7.0 | N |
| BC8306 | 41 2 0 | 116 25 0 | 1.00 | .10 | .50 | .020 | 100 | 7.0 | N | 10 | 1,500 | <1.0 | N |

Table 3.-- Geochemical data for sediment-hosted disseminated precious-metal deposits in Nevada--Continued

| Sample | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s | V-ppm s | W-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Alligator Ridge Mine--Continued | | | | | | | | | | | | | | |
| AR002A | 50 | 150 | 30 | 50 | N | N | 50 | 10 | N | 10 | N | 200 | 150 | N |
| AR003A | N | <10 | <5 | N | N | N | <5 | N | N | N | N | N | 10 | N |
| AR003B | N | N | 5 | N | N | N | <5 | N | 200 | N | N | 300 | 100 | N |
| AR004A | N | N | 5 | N | N | N | <5 | 10 | 150 | N | N | 500 | 10 | N |
| AR005A | N | 20 | 10 | N | N | N | <5 | N | N | N | N | 300 | 10 | N |
| AR006A | N | 20 | 10 | N | N | N | 10 | N | N | N | N | 200 | 70 | N |
| AR007A | N | 100 | 30 | N | 30 | N | 20 | N | 100 | 7 | N | 500 | 1,000 | N |
| AR008A | N | N | N | N | N | N | N | N | N | N | N | 200 | 20 | N |
| AR009A | 15 | 70 | 20 | 50 | 15 | N | 100 | N | 500 | 5 | N | 200 | 200 | N |
| AR010A | 15 | 150 | 30 | 50 | 50 | N | 20 | 30 | N | 10 | N | 200 | 100 | N |
| AR011A | N | 100 | 20 | 50 | 30 | N | 5 | N | N | 7 | N | 700 | 1,000 | N |
| AR012A | 10 | 100 | 30 | 50 | 7 | <20 | 70 | N | 200 | 20 | N | 700 | 100 | N |
| AR013A | N | 10 | 5 | N | N | N | 20 | N | N | N | N | <100 | 10 | N |
| AR014A | N | 200 | 7 | N | 20 | N | 10 | N | N | N | N | N | 15 | N |
| AR015A | N | N | N | 100 | N | N | N | N | N | N | N | N | 10 | N |
| Candelaria Mine--Continued | | | | | | | | | | | | | | |
| CL001A | N | 70 | 70 | 50 | 5 | N | 30 | 30 | N | 5 | N | 700 | 200 | N |
| CL001B | N | 200 | 30 | <20 | N | N | 15 | 30 | N | 15 | N | N | 200 | N |
| CL002A | N | 100 | 50 | N | N | N | 30 | <10 | N | 5 | N | N | 200 | N |
| CL003A | 20 | 500 | 15 | N | <5 | N | 200 | 10 | N | <5 | N | 700 | 10 | N |
| CL004A | N | 20 | 1,000 | N | N | N | 300 | 10,000 | 2,000 | N | 150 | 500 | 20 | N |
| CL005A | 5 | 500 | 50 | N | N | N | 100 | 150 | N | N | N | <100 | 10 | N |
| CL008A | N | 10 | 20 | <20 | N | N | <5 | 150 | 300 | 5 | N | <100 | 70 | N |
| CL008B | N | 10 | 7 | N | N | N | <5 | 100 | N | 7 | N | N | 70 | N |
| CL009A | 5 | 150 | 50 | <20 | 5 | N | 50 | 200 | N | 10 | N | N | 200 | N |
| CL010A | N | 15 | 30 | <20 | <5 | N | <5 | 700 | 100 | 7 | 20 | 200 | 70 | N |
| CL011A | 50 | 1,500 | 30 | N | N | N | 5,000 | N | N | 10 | N | N | 50 | N |
| CL012A | 20 | 200 | 500 | N | 30 | N | 70 | 10 | N | 5 | N | 200 | 300 | N |
| CL013A | N | 50 | 100 | 50 | 5 | N | 20 | 5,000 | 3,000 | N | 50 | N | 30 | N |
| CL013B | N | 100 | 200 | 70 | 10 | N | N | >20,000 | >10,000 | 7 | 300 | N | 200 | N |
| CL013C | 30 | 300 | 2,000 | 50 | 20 | N | 5,000 | 15,000 | 2,000 | 15 | 150 | 200 | 70 | N |
| CL014A | N | 100 | 200 | 50 | 10 | N | 5 | >20,000 | >10,000 | <5 | 500 | 200 | 100 | N |
| CL015A | N | 150 | 70 | N | 5 | N | 20 | 1,500 | 700 | N | N | 700 | 100 | N |
| CL016A | 20 | 1,000 | 10 | N | N | N | 100 | 700 | 300 | N | N | N | 50 | N |
| CL017A | 20 | 1,000 | 5 | N | N | N | 500 | 10 | N | N | N | N | 10 | N |
| CL018A | N | 300 | 50 | 50 | N | N | 10 | 700 | N | 10 | 50 | N | 150 | N |
| CL019A | N | 50 | 1,000 | <20 | N | N | N | 20,000 | >10,000 | N | 1,000 | N | 10 | N |
| Carlin Mine--Continued | | | | | | | | | | | | | | |
| CAR8301 | N | 100 | 20 | <20 | 15 | N | 30 | 30 | 1,000 | 5 | N | N | 1,000 | N |
| CAR8303 | N | N | <5 | N | N | N | N | 200 | 150 | N | N | 200 | 15 | N |
| Dee Mine--Continued | | | | | | | | | | | | | | |
| BC8301 | N | 50 | 30 | 50 | 10 | N | 5 | 10 | 2,000 | N | N | N | 30 | N |
| BC8302 | 5 | 70 | 10 | 50 | N | N | 15 | N | N | 5 | N | N | 700 | N |
| BC8303 | N | 30 | 30 | 150 | 20 | N | 10 | N | 2,000 | N | N | 200 | 500 | N |
| BC8305 | <5 | 150 | 70 | <20 | 10 | N | 70 | N | <100 | 10 | N | N | 200 | 50 |
| BC8306 | N | 300 | 15 | N | 30 | N | 10 | N | N | N | N | N | 70 | N |

Table 3.-- Geochemical data for sediment-hosted disseminated precious-metal deposits in Nevada--Continued

| Sample | Y-ppm s | Zn-ppm s | Zr-ppm s | Au-ppm aa | Hg-ppm Inst | As-ppm aa | Zn-ppm aa | Cd-ppm aa | Bi-ppm aa | Sb-ppm aa | Tl-ppm aa | W-ppm S | F-ppm SI | Te-ppm aa |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Alligator Ridge Mine--Continued | | | | | | | | | | | | | | |
| AR002A | 30 | N | 50 | N | .40 | 320 | <5 | .5 | N | 10 | 7.8 | 9.0 | 600 | .040 |
| AR003A | <10 | N | <10 | .10 | .70 | 30 | 30 | .1 | N | 12 | .4 | 1.0 | N | .010 |
| AR003B | N | <200 | N | .15 | .10 | 270 | 15 | .2 | N | 190 | 3.0 | .5 | N | .020 |
| AR004A | <10 | N | N | .25 | .06 | 55 | 15 | .3 | N | 80 | .4 | 1.0 | 100 | .025 |
| AR005A | <10 | <200 | 20 | .30 | N | 65 | 15 | .1 | N | 18 | .2 | 1.0 | 300 | 2.400 |
| AR006A | 15 | <200 | 200 | .90 | .50 | 120 | 40 | .5 | N | 34 | .6 | 2.5 | 200 | .005 |
| AR007A | 30 | 300 | 100 | .10 | 1.10 | 350 | 160 | 1.8 | N | 92 | 2.0 | 6.5 | 300 | .095 |
| AR008A | 20 | N | N | .05 | .04 | <5 | 5 | N | N | 4 | 17.0 | .5 | <100 | <.005 |
| AR009A | 30 | 500 | 200 | N | 4.00 | 310 | 310 | 2.2 | N | 360 | 14.0 | 9.0 | 200 | .045 |
| AR010A | 30 | 200 | 300 | N | .70 | 780 | 100 | .7 | N | 50 | 2.8 | 7.5 | 700 | .080 |
| AR011A | 30 | 200 | 100 | 1.20 | .20 | 600 | 20 | .2 | N | 180 | 1.4 | 7.5 | 700 | .215 |
| AR012A | 30 | 300 | 500 | 1.00 | .54 | 1,900 | 160 | 1.1 | <1 | 100 | 8.0 | 30.0 | 2,300 | .120 |
| AR013A | 20 | N | 20 | .25 | .28 | 80 | 35 | .2 | N | 56 | .9 | 1.5 | 200 | .060 |
| AR014A | N | N | <10 | .05 | 1.40 | 30 | 20 | N | N | 18 | .8 | 1.0 | <100 | .050 |
| AR015A | 150 | N | 20 | .05 | N | N | N | N | N | N | .2 | .5 | N | .100 |
| Candelaria Mine--Continued | | | | | | | | | | | | | | |
| CL001A | 100 | 200 | 50 | N | .08 | 45 | 70 | N | N | 70 | .4 | 6.5 | 2,100 | .065 |
| CL001B | 20 | <200 | 150 | .05 | .06 | N | 10 | N | N | 20 | 1.0 | 5.5 | 1,000 | .070 |
| CL002A | 20 | 200 | 100 | .05 | N | 50 | 110 | N | N | 46 | .2 | 4.0 | 300 | .105 |
| CL003A | 10 | <200 | N | .05 | .40 | 480 | 20 | N | N | 38 | .9 | 2.5 | <100 | .005 |
| CL004A | N | 5,000 | N | .75 | .40 | 200 | 3,100 | 16.0 | N | 1,500 | <.2 | 8.0 | N | .060 |
| CL005A | 15 | 200 | N | .10 | 9.00 | 950 | 50 | .2 | N | 130 | .2 | 1.0 | N | .055 |
| CL008A | 20 | <200 | 300 | .10 | .68 | 170 | 75 | .1 | N | 105 | 1.6 | 7.0 | 300 | .020 |
| CL008B | 20 | <200 | 200 | .05 | .40 | 55 | 15 | N | N | 4 | 1.1 | 6.5 | 200 | .005 |
| CL009A | 20 | 500 | 100 | .05 | .50 | 260 | 240 | 3.7 | N | 80 | .4 | 4.0 | 300 | .010 |
| CL010A | 20 | 200 | 200 | .25 | .02 | 300 | 30 | N | N | 12 | 1.8 | 9.5 | 300 | .010 |
| CL011A | 10 | 200 | N | .10 | .02 | 120 | 20 | N | N | 10 | <.2 | 3.5 | 700 | .300 |
| CL012A | 20 | 700 | 50 | .05 | .30 | 80 | 360 | 11.0 | N | 78 | 1.0 | 2.5 | 300 | .150 |
| CL013A | 10 | 500 | <10 | .25 | 1.60 | 1,200 | 260 | .2 | N | 1,300 | .6 | 6.0 | <100 | .040 |
| CL013B | 50 | 300 | 70 | 1.10 | 3.00 | 4,000 | 80 | 16.0 | 1 | 12,000 | 1.4 | 3.0 | 300 | .400 |
| CL013C | 500 | 10,000 | 50 | .65 | 5.40 | 1,400 | 14,000 | 210.0 | 1 | 1,300 | 3.1 | N | 2,100 | .050 |
| CL014A | <10 | 300 | N | .35 | 1.24 | 20,000 | 140 | 1.0 | N | 4,800 | 1.2 | 8.5 | 100 | .020 |
| CL015A | 20 | 500 | 50 | .10 | 2.20 | 310 | 230 | 4.5 | 1 | 680 | 1.0 | 2.0 | 500 | .050 |
| CL016A | N | 200 | <10 | .10 | .14 | 280 | 160 | 1.1 | N | 130 | .4 | 1.5 | <100 | .015 |
| CL017A | 10 | 200 | N | .05 | .06 | 170 | 15 | N | N | 12 | .5 | 3.0 | N | .100 |
| CL018A | 20 | 500 | 150 | .05 | .20 | 75 | 260 | 2.5 | N | 120 | .6 | 4.5 | 900 | .040 |
| CL019A | N | 3,000 | N | 3.20 | 3.70 | 2,700 | 2,100 | 90.0 | N | 7,100 | .2 | N | <100 | .030 |
| Carlin Mine--Continued | | | | | | | | | | | | | | |
| CAR8301 | 50 | 500 | 70 | N | 4.20 | 170 | 240 | 1.3 | N | 700 | .4 | 18.0 | 200 | .020 |
| CAR8303 | 30 | <200 | N | .05 | N | 280 | 60 | 1.2 | N | 72 | .4 | <.5 | N | <.005 |
| Dee Mine--Continued | | | | | | | | | | | | | | |
| BC8301 | 50 | <200 | 50 | .20 | 1.70 | 10 | 25 | .6 | N | 1,200 | .6 | .5 | 700 | .130 |
| BC8302 | 30 | 200 | 500 | .25 | .48 | 50 | 80 | .6 | N | 92 | 2.8 | 9.0 | 500 | .035 |
| BC8303 | 20 | 200 | 50 | .50 | 5.60 | 50 | 55 | 1.8 | N | 1,200 | .7 | 10.5 | 400 | .400 |
| BC8305 | 30 | 300 | 150 | 3.00 | .34 | 130 | 230 | .7 | N | 66 | 6.6 | 64.0 | 700 | .005 |
| BC8306 | 10 | <200 | <10 | .10 | .40 | 5 | 20 | .2 | N | 20 | .4 | 3.5 | 200 | .055 |

Table 3.--Geochemical data for sediment-hosted disseminated precious-metal deposits in Nevada--Continued

| Sample | Latitude | Longitude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | B-ppm s | Ba-ppm s | Be-ppm s | Cd-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Getchell Mine** | | | | | | | | | | | | | |
| GET8301 | 41 12 0 | 117 16 0 | 1.50 | .50 | 1.00 | .300 | 200 | .7 | N | 30 | 2,000 | 2.0 | N |
| GET8302 | 41 12 0 | 117 16 0 | 2.00 | .50 | 1.00 | .100 | 300 | 20.0 | 3,000 | 300 | 1,000 | 1.5 | N |
| GET8305 | 41 12 0 | 117 16 0 | .50 | .30 | >20.00 | .050 | 700 | <.5 | N | <10 | 700 | <1.0 | N |
| GET8306 | 41 12 0 | 117 16 0 | .70 | .02 | .20 | .030 | <10 | 20.0 | 300 | 70 | 300 | <1.0 | N |
| **Hamilton District** | | | | | | | | | | | | | |
| HA001A | 39 15 0 | 115 30 0 | .20 | .02 | 7.00 | .002 | 2,000 | 150.0 | N | 10 | 70 | N | N |
| HA001B | 39 15 0 | 115 30 0 | N | .10 | >20.00 | .002 | >5,000 | 150.0 | N | N | 500 | N | N |
| HA001C | 39 15 0 | 115 30 0 | .07 | 1.00 | >20.00 | .007 | 1,500 | 70.0 | N | N | 20 | N | N |
| HA001D | 39 15 0 | 115 30 0 | .30 | .20 | >20.00 | .050 | 1,000 | 70.0 | N | 15 | 70 | N | N |
| HA001E | 39 15 0 | 115 30 0 | .30 | .10 | 5.00 | .010 | >5,000 | 500.0 | N | 20 | 1,000 | N | N |
| HA002A | 39 15 0 | 115 30 0 | .05 | .50 | >20.00 | .010 | 100 | 10.0 | N | N | 20 | N | N |
| **Horse Canyon Mine** | | | | | | | | | | | | | |
| HC001A | 40 7 0 | 116 30 0 | 1.00 | 7.00 | >20.00 | .070 | 200 | N | N | 100 | 200 | 1.0 | N |
| HC002A | 40 7 0 | 116 30 0 | .30 | 5.00 | >20.00 | .050 | 100 | N | N | 50 | 70 | <1.0 | N |
| HC003A | 40 7 0 | 116 30 0 | 5.00 | 1.00 | .50 | 1.000 | 50 | 2.0 | 1,000 | 200 | 5,000 | 2.0 | N |
| HC004A | 40 7 0 | 116 30 0 | 3.00 | 5.00 | >20.00 | .200 | 1,000 | <.5 | N | 500 | 1,000 | 2.0 | N |
| HC005A | 40 7 0 | 116 30 0 | 1.00 | .50 | >20.00 | .050 | 1,500 | N | 200 | 10 | 50 | N | N |
| HC006A | 40 7 0 | 116 30 0 | 1.50 | .10 | .30 | .050 | 200 | <.5 | 1,000 | 50 | 700 | 2.0 | <20 |
| HC006B | 40 7 0 | 116 30 0 | .70 | .50 | .05 | .300 | 50 | .7 | 300 | 100 | 1,500 | 2.0 | N |
| HC006C | 40 7 0 | 116 30 0 | .70 | .15 | .07 | .100 | 30 | 1.0 | 500 | 70 | 700 | <1.0 | N |
| HC007A | 40 7 0 | 116 30 0 | 1.50 | .30 | .15 | .200 | 100 | .7 | 700 | 200 | 1,500 | 1.0 | N |
| HC008A | 40 7 0 | 116 30 0 | 2.00 | .15 | .07 | .100 | 500 | 2.0 | 700 | 150 | 2,000 | 1.0 | N |
| HC009A | 40 7 0 | 116 30 0 | 1.50 | .30 | .50 | .200 | 50 | 2.0 | 700 | 100 | 700 | 1.5 | N |
| HC009B | 40 7 0 | 116 30 0 | 3.00 | .70 | .10 | .500 | 20 | 2.0 | 3,000 | 30 | 1,500 | 3.0 | N |
| HC010A | 40 7 0 | 116 30 0 | 1.00 | .10 | 1.00 | .100 | 20 | 5.0 | 700 | 100 | 700 | <1.0 | N |
| HC011A | 40 7 0 | 116 30 0 | 1.50 | 2.00 | >20.00 | .150 | 1,000 | <.5 | N | 300 | 200 | 2.0 | N |
| HC011B | 40 7 0 | 116 30 0 | 5.00 | 2.00 | 1.50 | .500 | 700 | 3.0 | 5,000 | 700 | 700 | 2.0 | N |
| HC012A | 40 7 0 | 116 30 0 | 2.00 | 2.00 | >20.00 | .150 | 700 | 1.0 | 300 | 300 | 500 | 2.0 | N |
| HC013A | 40 7 0 | 116 30 0 | 3.00 | 5.00 | >20.00 | .200 | 700 | 3.0 | 300 | 300 | 500 | 2.0 | N |
| HC014A | 40 7 0 | 116 30 0 | .50 | .10 | .20 | .100 | 30 | N | 300 | 70 | 1,000 | 1.0 | N |
| HC014B | 40 7 0 | 116 30 0 | .50 | .20 | .70 | .200 | 20 | <.5 | 500 | 300 | 1,000 | 1.5 | N |
| HC015A | 40 7 0 | 116 30 0 | .20 | 1.50 | >20.00 | .030 | 100 | 1.0 | N | 30 | 50 | <1.0 | N |
| HC016A | 40 7 0 | 116 30 0 | .70 | .15 | .20 | .070 | 100 | 1.0 | N | 150 | 1,000 | 2.0 | N |
| HC017A | 40 7 0 | 116 30 0 | 3.00 | .15 | .50 | .100 | 20 | .7 | 10,000 | 100 | 700 | 1.0 | N |
| HC017B | 40 7 0 | 116 30 0 | 1.00 | .50 | .05 | .300 | 10 | N | 1,500 | 300 | 1,000 | 1.5 | N |
| **Jerritt Canyon (Bell Mine)** | | | | | | | | | | | | | |
| JC001A | 41 24 0 | 115 59 0 | .10 | .10 | .10 | .010 | 10 | .5 | N | 70 | >5,000 | 1.0 | N |
| **Manhattan Mine** | | | | | | | | | | | | | |
| MH002A | 38 33 0 | 117 2 0 | 10.00 | 1.00 | .50 | >1.000 | 700 | 3.0 | N | 50 | 700 | 7.0 | N |
| MH003A | 38 33 0 | 117 2 0 | 7.00 | 1.00 | .50 | >1.000 | 500 | .5 | N | 70 | 1,000 | 5.0 | N |
| MH004A | 38 33 0 | 117 2 0 | 2.00 | .15 | .05 | .200 | 150 | 10.0 | N | 70 | 700 | 5.0 | N |
| MH005A | 38 33 0 | 117 2 0 | .50 | .10 | .05 | .010 | 70 | N | N | 10 | 50 | <1.0 | N |
| MH006A | 38 33 0 | 117 2 0 | 1.00 | .20 | .10 | .200 | 300 | N | N | 10 | 200 | 1.0 | N |
| MH007A | 38 33 0 | 117 2 0 | 1.50 | .20 | .07 | .200 | 150 | 1.0 | N | 100 | 700 | 3.0 | N |
| MH008A | 38 33 0 | 117 2 0 | .30 | .10 | .15 | .150 | 50 | N | N | 20 | 1,000 | N | N |

Table 3.-- Geochemical data for sediment-hosted disseminated precious-metal deposits in Nevada--Continued

| Sample | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s | V-ppm s | W-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Getchell Mine--Continued | | | | | | | | | | | | | | |
| GET8301 | N | N | 20 | N | N | N | <5 | 20 | N | 5 | N | 500 | 70 | N |
| GET8302 | N | 10 | 100 | <20 | N | N | N | 10 | <100 | <5 | N | <100 | 50 | N |
| GET8305 | N | N | 7 | N | N | N | <5 | N | N | <5 | N | 700 | 50 | N |
| GET8306 | N | N | 100 | N | 10 | N | 5 | 20 | 150 | N | N | N | 50 | N |
| Hamilton District--Continued | | | | | | | | | | | | | | |
| HA001A | N | 50 | 50 | N | <5 | N | N | 500 | 150 | N | N | N | <10 | N |
| HA001B | N | N | 50 | N | 7 | N | N | N | N | N | N | 200 | <10 | N |
| HA001C | N | N | 50 | N | N | N | N | 500 | N | N | N | N | N | N |
| HA001D | N | N | 20 | N | N | N | <5 | 500 | N | N | N | 500 | 20 | N |
| HA001E | N | N | 100 | N | N | 20 | N | 200 | 100 | N | N | N | <10 | N |
| HA002A | N | N | N | N | N | N | N | N | N | N | N | 500 | 10 | N |
| Horse Canyon Mine--Continued | | | | | | | | | | | | | | |
| HC001A | N | 10 | 5 | N | 7 | N | 15 | N | N | <5 | N | 1,000 | 200 | N |
| HC002A | N | 20 | 5 | N | N | N | <5 | N | N | N | N | 2,000 | 10 | N |
| HC003A | 20 | 200 | 70 | 70 | 5 | N | 100 | 100 | 100 | 10 | N | N | 100 | N |
| HC004A | 20 | 150 | 15 | 50 | N | N | 50 | 10 | N | 15 | N | 300 | 100 | N |
| HC005A | N | N | N | N | N | N | 10 | N | N | N | N | 200 | 10 | N |
| HC006A | 7 | 10 | 10 | N | 7 | N | 30 | <10 | N | N | N | N | 100 | N |
| HC006B | 5 | 150 | 5 | 100 | 20 | N | 20 | N | N | 10 | N | N | 500 | N |
| HC006C | N | 50 | 7 | 50 | 7 | N | 20 | N | N | <5 | N | N | 300 | N |
| HC007A | N | 100 | 7 | <20 | 20 | N | 10 | N | <100 | <5 | N | N | 70 | N |
| HC008A | 10 | 50 | 10 | N | 70 | N | 30 | <10 | 200 | N | N | N | 50 | N |
| HC009A | N | 70 | 10 | <20 | 10 | N | 10 | 10 | 200 | 7 | N | N | 100 | N |
| HC009B | 5 | 150 | 20 | 50 | 15 | N | 100 | 20 | N | 15 | N | N | 300 | N |
| HC010A | N | 20 | 7 | N | 7 | N | 5 | <10 | 200 | N | N | N | 30 | N |
| HC011A | 7 | 20 | 7 | N | N | N | 20 | 20 | N | 7 | N | 300 | 30 | N |
| HC011B | 10 | 150 | 50 | 100 | 15 | <20 | 70 | 10 | 200 | 20 | N | N | 150 | 70 |
| HC012A | 5 | 70 | 10 | N | N | N | 30 | 50 | N | 10 | N | 300 | 50 | N |
| HC013A | 20 | 100 | 20 | 50 | N | N | 50 | 70 | N | 10 | N | 500 | 70 | N |
| HC014A | N | 30 | 5 | N | N | N | 5 | N | 200 | N | N | N | 20 | N |
| HC014B | N | 70 | 10 | 50 | 5 | N | 15 | 10 | 500 | <5 | N | <100 | 70 | N |
| HC015A | N | N | N | N | N | N | N | N | N | N | N | 700 | 10 | N |
| HC016A | N | 50 | 5 | N | N | N | 5 | N | 300 | N | N | N | 30 | N |
| HC017A | N | 70 | 20 | 50 | 30 | N | 30 | 20 | 100 | 5 | N | <100 | 500 | N |
| HC017B | N | 100 | 20 | 70 | 20 | N | 30 | 30 | 150 | 7 | N | N | 1,000 | N |
| Jerritt Canyon (Bell Mine)--Continued | | | | | | | | | | | | | | |
| JC001A | N | N | N | <20 | N | N | N | N | N | N | N | 300 | 15 | N |
| Manhattan Mine--Continued | | | | | | | | | | | | | | |
| MH002A | 30 | 100 | 50 | 50 | N | <20 | 50 | N | N | 30 | N | N | 200 | N |
| MH003A | 30 | 150 | 50 | 70 | N | 20 | 50 | N | N | 30 | N | N | 200 | N |
| MH004A | 5 | <10 | 10 | <20 | N | N | 7 | N | N | 5 | N | 200 | 50 | N |
| MH005A | N | <10 | 5 | N | N | N | 5 | N | N | N | N | N | 10 | N |
| MH006A | N | 30 | 5 | N | N | N | <5 | N | N | <5 | N | N | 50 | N |
| MH007A | 7 | 50 | 10 | N | 5 | N | 10 | N | N | 10 | N | <100 | 100 | N |
| MH008A | N | 50 | <5 | N | N | N | N | N | N | N | N | N | 30 | N |

Table 3.-- Geochemical data for sediment-hosted disseminated precious-metal deposits in Nevada--Continued

| Sample | Y-ppm s | Zn-ppm s | Zr-ppm s | Au-ppm aa | Hg-ppm Inst | As-ppm aa | Zn-ppm aa | Cd-ppm aa | Bi-ppm aa | Sb-ppm aa | Tl-ppm aa | W-ppm S | F-ppm SI | Te-ppm aa |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Getchell Mine--Continued | | | | | | | | | | | | | | |
| GET8301 | 20 | <200 | 100 | .05 | .36 | 15 | 50 | .2 | N | 2 | .6 | 9.5 | 500 | .035 |
| GET8302 | 15 | N | 70 | .60 | 4.40 | 4,200 | 35 | .2 | 2 | 50 | 3.3 | 25.0 | 200 | .800 |
| GET8305 | 15 | N | <10 | .05 | .80 | 40 | 10 | .2 | N | N | .4 | 10.0 | 100 | .005 |
| GET8306 | 10 | N | <10 | .10 | 300.00 | 210 | 50 | .7 | 1 | 130 | 4.4 | 7.0 | 100 | .230 |
| Hamilton District--Continued | | | | | | | | | | | | | | |
| HA001A | <10 | <200 | N | .10 | 4.00 | 45 | 20 | 3.7 | N | 100 | .4 | 1.0 | N | .400 |
| HA001B | N | 1,500 | N | .10 | .12 | 55 | 1,200 | 8.9 | N | 24 | .2 | 1.0 | N | .020 |
| HA001C | N | 500 | N | .05 | .08 | 20 | 230 | 4.2 | N | 6 | 5.6 | .5 | N | .025 |
| HA001D | 15 | 300 | 100 | .10 | 1.20 | 15 | 170 | 3.5 | N | 30 | .6 | 1.0 | <100 | 1.000 |
| HA001F | <10 | 500 | 30 | .10 | 2.80 | 80 | 300 | 9.6 | N | 76 | .2 | 1.0 | N | .305 |
| HA002A | 10 | N | N | .10 | .10 | N | <5 | N | N | 2 | .2 | .5 | N | .005 |
| Horse Canyon Mine--Continued | | | | | | | | | | | | | | |
| HC001A | 20 | 200 | 50 | N | .14 | N | 100 | 1.0 | N | N | 1.6 | .5 | 200 | .005 |
| HC002A | 15 | N | 20 | .05 | .04 | N | 10 | N | N | N | <.2 | 1.0 | 300 | .015 |
| HC003A | 50 | <200 | 200 | .15 | 500.00 | 630 | 65 | .3 | N | 58 | 8.2 | 12.0 | 2,400 | .050 |
| HC004A | 30 | 200 | 70 | .05 | 1.50 | 130 | 50 | N | N | 10 | 1.0 | 3.0 | 500 | .005 |
| HC005A | 20 | <200 | N | .10 | 2.80 | 290 | 25 | N | N | 2 | 2.0 | 1.0 | N | N |
| HC006A | 15 | 200 | 20 | .30 | 2.20 | 1,400 | 55 | 11.0 | 1 | 42 | 11.0 | 8.5 | 100 | .065 |
| HC006B | 70 | N | 100 | 1.50 | 4.00 | 230 | 25 | 1.0 | N | 40 | 56.0 | 6.0 | 300 | .105 |
| HC006C | 30 | N | 50 | 3.70 | 4.60 | 210 | 20 | 1.2 | N | 16 | 15.8 | 4.5 | 200 | .060 |
| HC007A | 15 | <200 | 70 | 1.20 | 3.60 | 560 | 25 | N | N | 54 | 70.0 | 9.0 | 100 | .220 |
| HC008A | 10 | N | 50 | 2.80 | 2.80 | 600 | 30 | 1.0 | <1 | 130 | 12.0 | 11.0 | <100 | .300 |
| HC009A | 15 | 200 | 100 | 2.90 | 12.80 | 650 | 180 | 1.1 | N | 440 | 7.4 | 6.5 | 500 | .500 |
| HC009B | 20 | 500 | 100 | 1.50 | 4.40 | 1,800 | 270 | .7 | N | 250 | 21.0 | 44.0 | 1,600 | .250 |
| HC010A | 10 | 200 | 50 | 3.60 | 8.80 | 550 | 35 | .1 | N | 170 | 26.0 | 6.0 | 200 | .400 |
| HC011A | 20 | N | 30 | .10 | 1.00 | 45 | 15 | N | N | 2 | 1.0 | 3.5 | 100 | .010 |
| HC011B | 50 | 500 | 150 | 10.00 | 1.30 | 6,500 | 240 | .3 | N | 140 | 1.4 | 73.0 | 900 | .015 |
| HC012A | 20 | N | 50 | .05 | .32 | 190 | 45 | N | N | 4 | .6 | 3.5 | 300 | <.005 |
| HC013A | 30 | <200 | 50 | .05 | .40 | 170 | 40 | N | N | 8 | <.2 | 4.0 | 300 | .040 |
| HC014A | 15 | N | 50 | .20 | 6.60 | 230 | 35 | .2 | N | 50 | 4.8 | 4.0 | 600 | .020 |
| HC014B | 20 | 200 | 100 | .40 | 14.00 | 300 | 130 | N | N | 280 | <.2 | 6.5 | 300 | .025 |
| HC015A | N | N | N | .05 | .40 | 30 | 5 | N | N | 2 | .4 | .5 | <100 | <.005 |
| HC016A | 15 | N | 50 | N | 5.60 | 60 | 15 | N | N | 55 | 2.5 | 2.0 | 400 | .010 |
| HC017A | 20 | 200 | 100 | .20 | 7.60 | 6,200 | 100 | 6.7 | N | 62 | <.2 | 3.0 | 400 | .040 |
| HC017B | 30 | 200 | 500 | .05 | .32 | 1,300 | 90 | 1.8 | N | 70 | 33.0 | 19.0 | 500 | .110 |
| Jerritt Canyon (Bell Mine)--Continued | | | | | | | | | | | | | | |
| JC001A | 10 | N | N | .20 | .80 | 10 | <5 | N | N | 6 | .4 | .5 | N | .015 |
| Manhattan Mine--Continued | | | | | | | | | | | | | | |
| MH002A | 70 | 200 | 200 | .50 | .04 | 200 | 65 | N | N | 4 | 1.2 | 12.5 | 300 | <.005 |
| MH003A | 70 | 200 | 300 | .10 | N | 15 | 75 | N | N | N | <.2 | 12.0 | 500 | .015 |
| MH004A | 20 | N | 100 | 1.10 | .08 | 170 | 15 | N | N | 2 | 4.2 | 7.5 | 100 | .105 |
| MH005A | 10 | N | N | .05 | N | 10 | 5 | N | N | <2 | .2 | 1.5 | N | .005 |
| MH006A | 15 | N | 200 | .05 | N | 10 | 5 | N | N | N | .4 | 4.0 | N | .010 |
| MH007A | 30 | N | 100 | .50 | 4.80 | 65 | 15 | N | N | N | 40.0 | 8.0 | <100 | .030 |
| MH008A | 15 | N | 500 | .05 | .04 | 5 | N | N | N | N | <.2 | 1.5 | N | <.005 |

Table 3.-- Geochemical data for sediment-hosted disseminated precious-metal deposits in Nevada--Continued

| Sample | Latitude | Longitude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | B-ppm s | Ba-ppm s | Be-ppm s | Cd-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | New York Canyon Prospect | | | | | | | |
| NY001A | 39 28 0 | 115 57 0 | 1.50 | .10 | .10 | .100 | 30 | 7.0 | 700 | 100 | 1,500 | 1.0 | N |
| NY002A | 39 28 0 | 115 57 0 | .10 | >10.00 | >20.00 | .005 | 5,000 | 3.0 | N | N | 70 | N | N |
| NY002B | 39 28 0 | 115 57 0 | .15 | 10.00 | 15.00 | .005 | 2,000 | 70.0 | N | 100 | 150 | N | N |
| NY002C | 39 28 0 | 115 57 0 | .15 | .20 | .50 | <.002 | 700 | 15.0 | N | 70 | 300 | 1.0 | N |
| | | | | | | Northumberland Mine | | | | | | | |
| NU001A | 38 57 0 | 116 47 0 | .20 | .15 | .30 | .050 | 100 | 5.0 | N | 100 | 200 | N | N |
| NU001B | 38 57 0 | 116 47 0 | 2.00 | 1.00 | .30 | .200 | 50 | 7.0 | N | 200 | 700 | 5.0 | 50 |
| NU002A | 38 57 0 | 116 47 0 | .50 | .70 | .20 | .700 | 700 | 2.0 | 700 | 500 | 5,000 | 3.0 | 100 |
| NU003A | 38 57 0 | 116 47 0 | .20 | .02 | .05 | .002 | 10 | .5 | 700 | 30 | 150 | N | N |
| NU004A | 38 57 0 | 116 47 0 | 1.50 | .10 | .20 | 1.000 | 20 | .5 | 2,000 | 70 | 1,500 | 1.0 | N |
| NU005A | 38 57 0 | 116 47 0 | 10.00 | .20 | .50 | .015 | 1,000 | 1.5 | 10,000 | 50 | 2,000 | 3.0 | 50 |
| NU006A | 38 57 0 | 116 47 0 | 1.00 | 1.00 | 1.00 | .200 | 30 | .5 | 1,000 | 150 | 1,000 | 1.0 | N |
| NU007A | 38 57 0 | 116 47 0 | .10 | >10.00 | 20.00 | .010 | 200 | N | N | N | 300 | N | N |
| NU007B | 38 57 0 | 116 47 0 | 2.00 | 10.00 | 20.00 | .100 | 200 | .5 | 1,500 | 50 | 300 | 1.5 | 70 |
| NU008A | 38 57 0 | 116 47 0 | .70 | .10 | .30 | .020 | 20 | 7.0 | 500 | 50 | 1,500 | 1.0 | N |
| NU008B | 38 57 0 | 116 47 0 | 5.00 | .50 | .70 | .070 | 50 | 3.0 | 2,000 | 150 | >5,000 | 3.0 | N |
| NU011A | 38 57 0 | 116 47 0 | .50 | .10 | .07 | .007 | 200 | N | N | 50 | 700 | 5.0 | N |
| NU012A | 38 57 0 | 116 47 0 | 3.00 | .50 | .70 | .500 | <10 | .7 | 700 | 500 | 300 | 1.0 | 50 |
| NU013A | 38 57 0 | 116 47 0 | .50 | .10 | .10 | .050 | 50 | 7.0 | 500 | 100 | 200 | 1.0 | N |
| NU014A | 38 57 0 | 116 47 0 | .70 | 5.00 | >20.00 | .100 | 200 | <.5 | N | 150 | 1,000 | N | N |
| NU014B | 38 57 0 | 116 47 0 | 1.00 | 7.00 | 10.00 | .150 | 200 | N | N | 200 | 1,500 | 2.0 | N |
| NU015A | 38 57 0 | 116 47 0 | 1.00 | >10.00 | 20.00 | .150 | 500 | <.5 | N | 50 | 2,000 | 1.0 | N |
| NU016A | 38 57 0 | 116 47 0 | 1.00 | .70 | .70 | .100 | 200 | <.5 | N | 50 | 5,000 | 5.0 | N |
| NU017A | 38 57 0 | 116 47 0 | 1.00 | .50 | .20 | .150 | 50 | .5 | N | 100 | 2,000 | 2.0 | N |
| NU018A | 38 57 0 | 116 47 0 | 1.50 | 1.00 | 1.50 | .200 | 500 | 5.0 | 2,000 | 1,000 | 700 | 2.0 | N |
| NU019A | 38 57 0 | 116 47 0 | .30 | .05 | .10 | .020 | <10 | 50.0 | 500 | 70 | 300 | <1.0 | N |
| NU022A | 38 57 0 | 116 47 0 | 5.00 | .50 | 2.00 | .200 | 200 | 3.0 | 2,000 | 500 | 500 | 3.0 | <20 |
| NU022B | 38 57 0 | 116 47 0 | .50 | .50 | >20.00 | .030 | 500 | .5 | N | 20 | 700 | N | N |
| NU023A | 38 57 0 | 116 47 0 | 1.00 | 10.00 | 20.00 | .200 | 500 | .5 | N | 50 | 2,000 | 1.5 | N |
| NU024A | 38 57 0 | 116 47 0 | 2.00 | 2.00 | 2.00 | .300 | 500 | 3.0 | 2,000 | 1,000 | 200 | 2.0 | <20 |
| NU025A | 38 57 0 | 116 47 0 | .30 | .10 | .20 | .050 | 500 | 50.0 | N | 30 | 200 | 1.0 | N |
| NU026A | 38 57 0 | 116 47 0 | 1.00 | .50 | .50 | .100 | 700 | 15.0 | 700 | 500 | 1,500 | 1.5 | N |
| NU027A | 38 57 0 | 116 47 0 | 2.00 | .20 | .20 | .007 | 200 | 100.0 | 5,000 | 50 | 300 | <1.0 | N |
| | | | | | | Pinson Mine | | | | | | | |
| PN002A | 41 10 0 | 117 17 0 | 10.00 | .05 | .30 | .070 | 100 | .5 | 2,000 | 50 | 1,500 | 2.0 | N |
| PN002B | 41 10 0 | 117 17 0 | 2.00 | .05 | .50 | .070 | 70 | 1.5 | 1,500 | 100 | 1,000 | <1.0 | N |
| PN8301 | 41 10 0 | 117 17 0 | 2.00 | .10 | 3.00 | .030 | 700 | .7 | 1,000 | 70 | 500 | 1.0 | N |
| PN8302 | 41 10 0 | 117 17 0 | 3.00 | .10 | .30 | .070 | 700 | .5 | 2,000 | 100 | 500 | 1.5 | N |
| PN8303 | 41 10 0 | 117 17 0 | 1.00 | .05 | 1.00 | .200 | N | 1.0 | <200 | 100 | 500 | 1.0 | N |
| PN8304 | 41 10 0 | 117 17 0 | 3.00 | 7.00 | 20.00 | .500 | 300 | .7 | N | 100 | 2,000 | 3.0 | N |
| PN8305 | 41 10 0 | 117 17 0 | 3.00 | .15 | 2.00 | .300 | 10 | .5 | 1,000 | 300 | 1,000 | 2.0 | N |
| PN8306 | 41 10 0 | 117 17 0 | 1.00 | .07 | 20.00 | .030 | 10 | N | 300 | 70 | 200 | <1.0 | N |
| | | | | | | Preble Mine | | | | | | | |
| PR001A | 40 58 0 | 117 28 0 | 3.00 | .50 | .20 | 1.000 | 70 | 5.0 | 1,500 | 1,000 | 5,000 | 7.0 | N |
| PR002A | 40 58 0 | 117 28 0 | 5.00 | .50 | .50 | 1.000 | 300 | .5 | 700 | 700 | 5,000 | 10.0 | N |
| PR002B | 40 58 0 | 117 28 0 | 3.00 | .20 | .30 | .500 | 200 | .7 | 700 | 300 | 3,000 | 5.0 | N |
| PR002C | 40 58 0 | 117 28 0 | 1.00 | .10 | .50 | .030 | 200 | <.5 | N | 70 | 500 | 1.0 | N |

Table 3.-- Geochemical data for sediment-hosted disseminated precious-metal deposits in Nevada--Continued

| Sample | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s | V-ppm s | W-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| New York Canyon Prospect--Continued | | | | | | | | | | | | | | |
| NY001A | N | 100 | 50 | <20 | 5 | N | <5 | 200 | N | N | N | <100 | 200 | N |
| NY002A | N | N | 10 | <20 | N | N | N | 100 | N | N | N | N | 10 | N |
| NY002B | N | N | 50 | N | N | N | N | 500 | N | N | N | N | 15 | N |
| NY002C | N | 20 | 30 | <20 | N | N | N | 150 | N | N | N | N | 10 | N |
| Northumberland Mine--Continued | | | | | | | | | | | | | | |
| NU001A | N | 20 | 20 | N | 7 | N | 20 | N | N | N | N | N | 1,000 | N |
| NU001B | N | 500 | 200 | 100 | 100 | N | 200 | 50 | N | 20 | N | N | 10,000 | N |
| NU002A | 30 | 500 | 100 | 70 | 50 | N | 200 | N | N | 20 | N | N | 500 | N |
| NU003A | N | 50 | 50 | N | 7 | N | N | N | N | N | N | N | 50 | N |
| NU004A | <5 | 100 | 30 | 50 | 20 | N | 20 | N | 1,000 | <5 | N | N | 200 | N |
| NU005A | 100 | 700 | 1,000 | 100 | 50 | N | 700 | N | 1,000 | 15 | N | 200 | 300 | N |
| NU006A | N | 50 | 20 | 50 | 20 | N | 20 | N | <100 | <5 | N | N | 700 | N |
| NU007A | N | N | N | <20 | N | N | <5 | N | N | N | N | <100 | 50 | N |
| NU007B | 10 | 10 | 20 | N | 15 | N | 100 | <10 | 300 | N | N | <100 | 100 | N |
| NU008A | N | N | 20 | N | N | N | 10 | N | 100 | N | N | N | 70 | N |
| NU008B | 5 | 20 | 100 | N | 10 | N | 100 | N | 700 | N | N | 300 | 200 | N |
| NU011A | N | 10 | 5 | N | 5 | <20 | <5 | 50 | N | N | N | N | <10 | N |
| NU012A | 10 | 200 | 50 | 70 | 10 | N | 50 | N | N | 15 | N | N | 1,000 | 50 |
| NU013A | N | 70 | 10 | N | 20 | N | 5 | N | <100 | N | N | N | 70 | N |
| NU014A | N | <10 | <5 | N | N | N | 10 | N | N | <5 | N | 1,000 | 20 | N |
| NU014B | 5 | 20 | 7 | N | N | N | 50 | N | N | 7 | N | 300 | 50 | N |
| NU015A | 5 | 50 | 50 | <20 | N | N | 30 | N | N | 5 | N | 200 | 100 | N |
| NU016A | N | N | 5 | N | N | N | 5 | N | N | N | N | N | 70 | N |
| NU017A | 7 | 10 | 15 | N | N | N | 15 | <10 | N | 5 | N | 200 | 70 | N |
| NU018A | 10 | 30 | 70 | N | <5 | N | 20 | N | N | 7 | N | N | 70 | N |
| NU019A | N | N | 10 | <20 | N | N | N | N | N | N | N | N | 70 | N |
| NU022A | 10 | 100 | 30 | 50 | 10 | N | 100 | N | <100 | 10 | N | N | 500 | 50 |
| NU022B | N | N | <5 | N | N | N | <5 | N | N | N | N | 500 | 100 | N |
| NU023A | 7 | 20 | 50 | N | 10 | N | 20 | N | N | 7 | N | 200 | 50 | N |
| NU024A | 10 | 100 | 20 | 50 | 5 | N | 50 | 20 | N | 10 | N | N | 500 | 50 |
| NU025A | N | N | 30 | <20 | N | N | 5 | 50 | N | N | N | N | 20 | N |
| NU026A | 7 | 70 | 50 | N | <5 | N | 20 | 10 | N | 5 | N | N | 100 | N |
| NU027A | N | <10 | 50 | N | 10 | N | 5 | 20 | 800 | N | N | N | 30 | N |
| Pinson Mine--Continued | | | | | | | | | | | | | | |
| PN002A | N | 70 | 100 | 50 | 70 | N | 15 | N | 150 | 5 | N | N | 500 | 100 |
| PN002B | N | 50 | 50 | N | 15 | N | 10 | N | N | <5 | N | N | 500 | 200 |
| PN8301 | 7 | 15 | 50 | N | 100 | N | 150 | 70 | N | 20 | N | N | 150 | 200 |
| PN8302 | N | 30 | 30 | N | 10 | N | 20 | N | 100 | 15 | N | N | 200 | 100 |
| PN8303 | N | 70 | 20 | 50 | 5 | N | <5 | N | N | N | N | N | 200 | 200 |
| PN8304 | 5 | 100 | 100 | 50 | N | <20 | 50 | 10 | N | 15 | N | 300 | 500 | N |
| PN8305 | 7 | 70 | 100 | 50 | 20 | N | 50 | 10 | N | 5 | N | 150 | 200 | 100 |
| PN8306 | 7 | N | 15 | N | 5 | N | 10 | N | N | N | N | <100 | 70 | 50 |
| Preble Mine--Continued | | | | | | | | | | | | | | |
| PR001A | 20 | 700 | 500 | 50 | 30 | N | 70 | 10 | N | 20 | N | 1,000 | 500 | N |
| PR002A | 15 | 700 | 50 | 50 | 10 | <20 | 50 | N | N | 20 | N | N | 500 | N |
| PR002B | 10 | 500 | 30 | <20 | <5 | N | 30 | N | N | 20 | N | <100 | 500 | N |
| PR002C | N | <10 | 15 | N | N | N | 10 | N | N | <5 | N | N | 70 | N |

Table 3.--Geochemical data for sediment-hosted disseminated precious-metal deposits in Nevada--Continued

| Sample | Y-ppm s | Zn-ppm s | Zr-ppm s | Au-ppm aa | Hg-ppm Inst | As-ppm aa | Zn-ppm aa | Cd-ppm aa | Bi-ppm aa | Sb-ppm aa | Tl-ppm aa | W-ppm S | F-ppm SI | Te-ppm aa |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | New York Canyon Prospect--Continued | | | | | | | | | |
| NY001A | 10 | 200 | 50 | .10 | 4.40 | 400 | 100 | .2 | N | 56 | 2.4 | 9.5 | <100 | .145 |
| NY002A | 10 | N | N | N | 5.50 | 10 | 15 | .1 | N | 2 | 1.4 | 1.5 | N | .010 |
| NY002B | <10 | <200 | N | .10 | .12 | 20 | 20 | .3 | N | 4 | 1.4 | 1.0 | N | .055 |
| NY002C | N | N | N | .05 | 1.20 | 15 | 15 | .6 | N | 10 | 3.0 | 1.5 | N | .135 |
| | | | | | Northumberland Mine--Continued | | | | | | | | | |
| NU001A | 10 | 300 | 70 | .05 | .80 | 20 | 230 | 8.3 | N | 8 | 1.6 | 2.5 | N | .055 |
| NU001B | 200 | 2,000 | 500 | .05 | 2.60 | 210 | 2,000 | 30.0 | N | 150 | 3.7 | N | 2,000 | .600 |
| NU002A | 30 | 5,000 | 100 | N | .60 | 650 | 3,200 | 66.0 | N | 40 | 15.5 | 4.0 | 1,200 | .045 |
| NU003A | 15 | <200 | N | .35 | .80 | 520 | 15 | N | N | 24 | 1.8 | 1.0 | N | .010 |
| NU004A | 15 | <200 | 200 | .05 | 130.00 | 1,400 | 25 | .1 | N | 340 | 33.0 | 8.5 | N | .040 |
| NU005A | 70 | 1,500 | 20 | .15 | 50.00 | 1,400 | 1,700 | 22.0 | N | 760 | 43.0 | 4.0 | 500 | .150 |
| NU006A | 10 | 300 | 150 | .05 | 40.00 | 680 | 210 | .8 | N | 62 | 33.0 | 16.0 | 600 | .600 |
| NU007A | N | N | N | .05 | .24 | 20 | 15 | .1 | N | 2 | .7 | .5 | N | .010 |
| NU007B | 20 | 2,000 | 50 | .15 | 9.00 | 1,400 | 1,200 | 34.0 | N | 280 | 70.0 | 19.0 | 1,200 | .400 |
| NU008A | 15 | 200 | 30 | 2.40 | 6.40 | 440 | 100 | 6.0 | N | 46 | 5.6 | 3.0 | 500 | .190 |
| NU008B | 30 | 1,000 | 70 | .25 | 18.00 | 2,300 | 710 | 8.7 | N | 310 | 48.0 | 3.0 | 500 | .200 |
| NU011A | 20 | <200 | 70 | N | 5.90 | 60 | 50 | N | N | N | 1.5 | 3.5 | 300 | <.005 |
| NU012A | 70 | 300 | 200 | .05 | 3.00 | 640 | 240 | 13.0 | N | 16 | .6 | 47.0 | 1,400 | .055 |
| NU013A | 15 | N | 50 | 5.80 | 4.20 | 500 | 15 | N | N | 60 | 5.0 | 4.5 | 200 | .190 |
| NU014A | 20 | N | 100 | .05 | .06 | 10 | 15 | N | N | N | .2 | 2.0 | 600 | .010 |
| NU014B | 20 | 200 | 200 | .05 | <.02 | <5 | 90 | N | N | <2 | .6 | 1.5 | 1,300 | .005 |
| NU015A | 30 | <200 | 300 | .10 | .04 | N | 30 | .8 | N | <2 | .4 | N | 200 | .030 |
| NU016A | 20 | 200 | 100 | N | .36 | 35 | 60 | 1.3 | 1 | 8 | .6 | 7.0 | 600 | .025 |
| NU017A | 15 | N | 100 | .05 | .38 | 15 | 10 | .7 | N | <2 | .8 | 3.0 | 300 | .015 |
| NU018A | 15 | N | 100 | .10 | .50 | 1,500 | 10 | N | N | 34 | 2.2 | 5.5 | 400 | .055 |
| NU019A | 10 | 200 | 15 | .20 | 5.00 | 500 | <5 | N | N | 48 | 5.0 | 1.4 | 100 | .090 |
| NU022A | 30 | 300 | 150 | 3.90 | 4.70 | 1,400 | 250 | 4.6 | N | 76 | 3.9 | 60.0 | 900 | .110 |
| NU022B | 15 | <200 | N | .05 | .06 | 25 | 40 | .6 | N | <2 | .2 | 2.0 | <100 | 3.600 |
| NU023A | 20 | <200 | 200 | .10 | .10 | 5 | 15 | N | N | <2 | .4 | 6.0 | 300 | .035 |
| NU024A | 30 | 200 | 500 | 3.30 | 8.00 | 2,400 | 200 | 2.5 | N | 58 | 26.0 | 70.0 | 900 | .070 |
| NU025A | 15 | 200 | 50 | .05 | .06 | 70 | 25 | .7 | 4 | 32 | .6 | 1.0 | 300 | .070 |
| NU026A | 10 | N | 50 | .15 | .06 | 650 | 10 | N | 1 | 22 | 1.4 | 9.0 | 200 | .130 |
| NU027A | <10 | 500 | N | 4.60 | 7.00 | 5,500 | 450 | 8.3 | 4 | 260 | 7.2 | 4.5 | N | .800 |
| | | | | | Pinson Mine--Continued | | | | | | | | | |
| PN002A | 50 | 200 | 50 | .25 | 14.00 | 2,900 | 130 | 2.8 | N | 150 | 12.0 | 25.0 | <100 | .060 |
| PN002B | 20 | 200 | 20 | 4.80 | 30.00 | 1,100 | 75 | .7 | N | 52 | 7.4 | 250.0 | 300 | 1.200 |
| PN8301 | 15 | 200 | <10 | 1.00 | 8.40 | 1,000 | 80 | .3 | N | 44 | 2.2 | 175.0 | 200 | .600 |
| PN8302 | 10 | 200 | 20 | 2.90 | 80.00 | 1,800 | 40 | .3 | N | 110 | 30.0 | 130.0 | 100 | .400 |
| PN8303 | 50 | N | 100 | 1.50 | 15.00 | 220 | 15 | N | N | 28 | .6 | 220.0 | 700 | .035 |
| PN8304 | 70 | 200 | 100 | .15 | 1.60 | 20 | 75 | N | N | <2 | .8 | 2.5 | 900 | .025 |
| PN8305 | 50 | 200 | 100 | 4.00 | 40.00 | 820 | 70 | .2 | N | 36 | 4.2 | 90.0 | 900 | .025 |
| PN8306 | 20 | N | 10 | .70 | 2.40 | 340 | 30 | .1 | N | 10 | 2.8 | 44.0 | 300 | .010 |
| | | | | | Preble Mine--Continued | | | | | | | | | |
| PR001A | 50 | <200 | 150 | .85 | 17.00 | 1,600 | 35 | 1.3 | N | 58 | 12.0 | 14.0 | 2,400 | .015 |
| PR002A | 30 | 200 | 150 | .10 | .12 | 870 | 160 | .1 | N | 22 | 2.6 | 31.0 | 1,800 | .020 |
| PR002B | 20 | 200 | 100 | .10 | .04 | 610 | 100 | .1 | N | 10 | 1.6 | 17.5 | 700 | .005 |
| PR002C | 10 | N | <10 | <.05 | .06 | 100 | 30 | N | N | N | 6.4 | 2.5 | 200 | .015 |

Table 3.--Geochemical data for sediment-hosted disseminated precious-metal deposits in Nevada--Continued

| Sample | Latitude | Longitude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | B-ppm s | Ba-ppm s | Be-ppm s | Cd-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Preble Mine--Continued | | | | | | | |
| PR006A | 40 58 0 | 117 28 0 | 1.00 | .20 | .50 | .700 | <10 | 2.0 | 500 | 150 | 2,000 | 1.5 | N |
| PR8301 | 40 58 0 | 117 28 0 | 3.00 | .70 | 1.50 | .700 | 70 | 3.0 | 1,000 | 500 | 5,000 | 5.0 | N |
| PR8302 | 40 58 0 | 117 28 0 | 5.00 | .20 | 2.00 | .050 | 500 | 2.0 | 2,000 | 70 | 1,000 | 3.0 | <20 |
| PR8303 | 40 58 0 | 117 28 0 | .20 | .20 | .15 | .500 | 30 | 1.0 | N | 70 | 1,500 | <1.0 | N |
| PR8310 | 40 58 0 | 117 28 0 | 5.00 | .50 | 20.00 | .050 | 1,000 | 1.0 | 700 | 100 | 500 | 1.0 | N |
| | | | | | | Shale Pit Prospect | | | | | | | |
| SP002A | 38 42 0 | 117 4 0 | .50 | .03 | 15.00 | .010 | 300 | 3.0 | N | 20 | 100 | <1.0 | N |
| SP003A | 38 42 0 | 117 4 0 | 2.00 | .20 | 7.00 | .200 | 200 | 1.5 | 500 | 200 | 500 | 2.0 | N |
| SP004A | 38 42 0 | 117 4 0 | 1.00 | 1.00 | >20.00 | .100 | 500 | 3.0 | N | 50 | 500 | 1.0 | N |
| SP005A | 38 42 0 | 117 4 0 | 1.50 | .50 | 20.00 | .200 | 70 | 2.0 | 200 | 100 | 1,000 | 2.0 | N |
| SP006A | 38 42 0 | 117 4 0 | 2.00 | .20 | 20.00 | .070 | 50 | 2.0 | 300 | 100 | 700 | <1.0 | N |
| SP007A | 38 42 0 | 117 4 0 | 1.50 | .30 | >20.00 | .100 | 2,000 | 1.5 | N | 150 | 1,000 | 1.5 | N |
| | | | | | | Sterling Mine | | | | | | | |
| ST001A | 36 45 0 | 116 37 0 | 3.00 | >10.00 | 20.00 | .030 | 5,000 | N | 700 | N | <20 | <1.0 | N |
| ST001B | 36 45 0 | 116 37 0 | 3.00 | 1.00 | .10 | >1.000 | 100 | 1.0 | 700 | 200 | 700 | 3.0 | N |
| ST001C | 36 45 0 | 116 37 0 | 2.00 | 1.50 | 2.00 | >1.000 | 500 | .5 | 500 | 200 | 500 | 2.0 | N |
| ST001D | 36 45 0 | 116 37 0 | .50 | 1.00 | 1.00 | .020 | 500 | .5 | 500 | 10 | 70 | N | N |
| ST002A | 36 45 0 | 116 37 0 | 2.00 | 10.00 | 20.00 | .070 | 5,000 | 1.0 | N | 10 | 50 | 1.0 | N |
| ST003A | 36 45 0 | 116 37 0 | 3.00 | 7.00 | 20.00 | .300 | 2,000 | .7 | 3,000 | 100 | 300 | 5.0 | N |
| ST003B | 36 45 0 | 116 37 0 | .15 | >10.00 | 20.00 | .007 | 100 | N | N | N | N | N | N |
| ST004A | 36 45 0 | 116 37 0 | 1.00 | .30 | 2.00 | .200 | 1,000 | <.5 | N | 50 | 300 | N | N |
| ST004B | 36 45 0 | 116 37 0 | 2.00 | .50 | 20.00 | .500 | 2,000 | N | N | 50 | 300 | 1.0 | N |
| ST005A | 36 45 0 | 116 37 0 | 3.00 | >10.00 | 15.00 | .070 | 5,000 | N | 700 | 70 | 150 | 1.0 | N |
| ST006A | 36 45 0 | 116 37 0 | 1.50 | .30 | .15 | .150 | 70 | 3.0 | 2,000 | 100 | 200 | 1.0 | N |
| ST006B | 36 45 0 | 116 37 0 | .30 | >10.00 | >20.00 | .050 | 300 | 3.0 | N | 20 | 20 | N | N |
| ST006C | 36 45 0 | 116 37 0 | 1.00 | .50 | .07 | >1.000 | 200 | 7.0 | 500 | 200 | 500 | 3.0 | N |
| ST007A | 36 45 0 | 116 37 0 | 2.00 | .50 | .30 | .150 | 500 | 2.0 | N | 200 | 2,000 | 3.0 | N |
| ST008A | 36 45 0 | 116 37 0 | 3.00 | 5.00 | >20.00 | .070 | 3,000 | N | N | 50 | 200 | 1.0 | N |
| ST008B | 36 45 0 | 116 37 0 | 5.00 | 1.00 | 1.00 | .300 | 500 | 1.0 | N | 300 | 1,500 | 5.0 | N |
| ST008C | 36 45 0 | 116 37 0 | 2.00 | .70 | 2.00 | .300 | 700 | <.5 | N | 200 | 700 | 2.0 | N |
| | | | | | | Taylor Mine | | | | | | | |
| TA002A | 39 12 0 | 114 45 0 | .70 | .50 | .20 | .050 | 1,000 | .5 | N | 20 | 150 | 7.0 | N |
| TA003A | 39 12 0 | 114 45 0 | .20 | .10 | 1.00 | .050 | 150 | 150.0 | N | 100 | 100 | N | N |
| TA003B | 39 12 0 | 114 45 0 | N | .50 | >20.00 | .007 | 1,500 | 10.0 | N | N | N | N | N |
| TA005A | 39 12 0 | 114 45 0 | .05 | .15 | >20.00 | .010 | 3,000 | 50.0 | N | 30 | N | N | N |
| TA006A | 39 12 0 | 114 45 0 | .20 | .02 | .20 | .020 | 50 | 15.0 | N | 50 | 50 | <1.0 | N |
| TA007A | 39 12 0 | 114 45 0 | .50 | .10 | .30 | .070 | 50 | 7.0 | N | 100 | 100 | <1.0 | N |
| TA007B | 39 12 0 | 114 45 0 | .50 | .10 | .30 | .070 | 50 | 7.0 | N | 100 | 100 | <1.0 | N |
| TA009A | 39 12 0 | 114 45 0 | .20 | .02 | .20 | .030 | N | 3.0 | N | 50 | >5,000 | 1.5 | N |
| TA009B | 39 12 0 | 114 45 0 | .20 | .05 | 1.00 | .020 | N | 10.0 | 200 | 70 | >5,000 | N | N |
| TA009C | 39 12 0 | 114 45 0 | .30 | .03 | .20 | .050 | 10 | 3.0 | N | 50 | 500 | N | N |
| TA010B | 39 12 0 | 114 45 0 | .50 | 2.00 | >20.00 | .050 | 100 | N | N | 20 | 100 | N | N |

Table 3.--Geochemical data for sediment-hosted disseminated precious-metal deposits in Nevada--Continued

| Sample | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s | V-ppm s | W-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Preble Mine--Continued | | | | | | | | |
| PR006A | N | 20 | 30 | 50 | N | 20 | 5 | 50 | 150 | 7 | N | N | 200 | N |
| PR8301 | N | 700 | 100 | 50 | 30 | N | 20 | 100 | N | 20 | N | 700 | 500 | N |
| PR8302 | 10 | 100 | 20 | N | 15 | N | 100 | 20 | 1,000 | 7 | N | 200 | 100 | N |
| PR8303 | N | N | 7 | 70 | N | 20 | N | 50 | 200 | <5 | N | N | 100 | N |
| PR8310 | 30 | 10 | 15 | N | 15 | N | 100 | N | N | 7 | N | N | 50 | N |
| | | | | | | Shale Pit Prospect--Continued | | | | | | | | |
| SP002A | 7 | N | 50 | N | N | N | 20 | N | N | N | N | 200 | 100 | N |
| SP003A | 5 | 150 | 100 | <20 | 5 | N | 50 | 30 | N | 10 | N | N | 1,000 | N |
| SP004A | N | 50 | 15 | <20 | 5 | N | 70 | N | N | 5 | N | 200 | 300 | N |
| SP005A | N | 100 | 50 | N | 15 | N | 70 | 20 | N | 20 | N | N | 1,000 | N |
| SP006A | N | 50 | 15 | N | 7 | N | 50 | <10 | N | <5 | N | N | 500 | N |
| SP007A | N | <10 | 20 | N | 5 | N | 10 | 20 | N | <5 | N | 300 | 30 | N |
| | | | | | | Sterling Mine--Continued | | | | | | | | |
| ST001A | N | N | 10 | N | 7 | N | 5 | 100 | N | N | N | 200 | 10 | N |
| ST001B | 15 | 150 | 100 | 50 | N | 20 | 20 | N | N | 20 | N | N | 200 | N |
| ST001C | 10 | 100 | 30 | 50 | N | <20 | 20 | N | N | 10 | N | N | 150 | N |
| ST001D | N | N | 5 | N | N | N | 5 | N | N | N | N | N | <10 | N |
| ST002A | 5 | <10 | 30 | N | <5 | N | 5 | 70 | N | 5 | N | 300 | 20 | N |
| ST003A | 20 | 70 | 50 | <20 | 30 | N | 50 | 100 | 1,000 | 10 | 20 | 200 | 70 | N |
| ST003B | N | N | N | N | N | N | N | N | N | N | N | N | <10 | N |
| ST004A | 5 | 10 | 5 | N | N | N | N | 50 | N | N | N | N | 20 | N |
| ST004B | 10 | 50 | 10 | N | N | N | 5 | 20 | N | 10 | N | N | 50 | N |
| ST005A | 5 | <10 | 7 | N | 10 | N | 15 | 20 | N | 5 | N | 300 | 10 | N |
| ST006A | 7 | 10 | 30 | N | N | N | 10 | 50 | N | <5 | N | N | 50 | N |
| ST006B | N | N | <5 | N | N | N | N | 300 | N | N | N | N | 10 | N |
| ST006C | 5 | 100 | 7 | 50 | N | 20 | 5 | N | 500 | 20 | N | N | 200 | N |
| ST007A | N | N | <5 | 150 | N | 20 | N | 50 | N | <5 | N | 200 | 20 | N |
| ST008A | 5 | <10 | N | 50 | N | N | 5 | 70 | N | 5 | N | 700 | 20 | N |
| ST008B | 20 | 100 | 7 | 50 | N | N | 50 | 30 | N | 15 | N | N | 100 | N |
| ST008C | 5 | 50 | 5 | 50 | N | N | 5 | N | N | 5 | N | N | 50 | N |
| | | | | | | Taylor Mine--Continued | | | | | | | | |
| TA002A | N | N | N | N | N | 50 | N | 30 | N | 5 | N | N | N | N |
| TA003A | N | N | 50 | N | N | N | N | 200 | 200 | N | N | N | 20 | N |
| TA003B | N | N | 7 | N | N | N | N | 100 | N | N | N | 500 | <10 | N |
| TA005A | N | N | 10 | <20 | N | N | N | 50 | N | N | N | 300 | 10 | N |
| TA006A | N | N | 10 | N | N | N | N | 10 | N | N | N | N | <10 | N |
| TA007A | N | <10 | 7 | N | N | N | N | 30 | N | N | N | 300 | 20 | N |
| TA007B | N | <10 | 7 | N | N | N | N | 30 | N | N | N | 300 | 20 | N |
| TA009A | N | 15 | 10 | N | N | N | 10 | <10 | 10,000 | N | N | 500 | 20 | N |
| TA009B | N | 50 | 50 | N | N | N | 20 | 300 | >10,000 | N | N | 300 | 10 | N |
| TA009C | N | 70 | 10 | N | N | N | 20 | N | 10,000 | N | N | 500 | 20 | N |
| TA010B | N | 10 | <5 | N | N | N | <5 | N | 200 | N | N | 700 | 20 | N |

Table 3.--Geochemical data for sediment-hosted disseminated precious-metal deposits in Nevada--Continued

| Sample | Y-ppm s | Zn-ppm s | Zr-ppm s | Au-ppm aa | Hg-ppm Inst | As-ppm aa | Zn-ppm aa | Cd-ppm aa | Bi-ppm aa | Sb-ppm aa | Tl-ppm aa | W-ppm S | F-ppm SI | Te-ppm aa |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Preble Mine--Continued | | | | | | | | | |
| PR006A | 20 | N | 150 | 2.30 | 34.00 | 400 | N | N | N | 10 | 3.6 | 9.0 | 400 | .140 |
| PR8301 | 20 | N | 100 | 1.80 | 65.00 | 1,000 | 5 | N | N | 110 | 8.2 | 20.0 | 1,400 | .045 |
| PR8302 | 15 | 1,000 | 50 | .30 | 8.00 | 1,400 | 470 | 1.9 | N | 650 | 6.8 | 38.0 | 100 | .030 |
| PR8303 | 15 | N | 150 | .05 | .32 | 20 | <5 | .2 | N | 190 | 4.4 | 5.5 | N | .030 |
| PR8310 | 30 | 500 | N | .05 | 1.50 | 930 | 220 | 3.2 | 1 | 20 | 30.0 | 12.0 | 300 | .005 |
| | | | | | Shale Pit Prospect--Continued | | | | | | | | | |
| SP002A | 20 | 300 | N | .20 | .12 | 50 | 130 | 2.1 | N | 4 | .2 | 1.0 | 200 | .040 |
| SP003A | 50 | 200 | 100 | .75 | .50 | 430 | 110 | 1.6 | N | 18 | .4 | 10.0 | 700 | .105 |
| SP004A | 50 | 500 | 30 | .05 | .16 | 100 | 260 | 3.0 | N | 6 | .2 | 5.0 | 300 | .025 |
| SP005A | 20 | 500 | 100 | .10 | .14 | 300 | 230 | 2.5 | 1 | 16 | .8 | 16.5 | 300 | .155 |
| SP006A | <10 | 200 | 30 | .10 | .12 | 300 | 140 | 1.0 | N | 38 | .4 | 3.5 | 300 | .045 |
| SP007A | 10 | <200 | 20 | .05 | .02 | 90 | 35 | N | N | 6 | .4 | 2.5 | 100 | .010 |
| | | | | | Sterling Mine--Continued | | | | | | | | | |
| ST001A | 15 | N | <10 | .05 | .34 | 410 | 20 | N | N | 50 | 1.0 | 1.0 | <100 | .010 |
| ST001B | 70 | N | 500 | .25 | 1.50 | 850 | 10 | N | N | 24 | .8 | 3.5 | 700 | .010 |
| ST001C | 30 | N | 700 | .05 | .20 | 280 | 30 | N | N | 16 | .4 | 3.0 | 100 | <.005 |
| ST001D | 15 | N | N | .60 | .26 | 360 | 10 | N | N | 8 | 2.7 | 1.5 | N | .010 |
| ST002A | 30 | N | 20 | .30 | .16 | 85 | 20 | N | N | 12 | .2 | 4.5 | 100 | <.005 |
| ST003A | 20 | 500 | 150 | .75 | 1.30 | 2,300 | 230 | N | 5 | 520 | 8.6 | 4.0 | 400 | .015 |
| ST003B | 10 | N | N | N | 1.00 | <5 | N | N | N | <2 | .2 | 2.0 | N | |
| ST004A | 20 | N | 300 | N | .50 | 15 | 5 | N | N | <2 | 1.4 | 1.0 | 100 | .015 |
| ST004B | 30 | N | 200 | .05 | .02 | <5 | 10 | N | N | N | .4 | 2.0 | 100 | .005 |
| ST005A | 50 | <200 | 20 | .10 | .38 | 650 | 30 | N | N | 22 | 9.4 | 1.0 | 400 | .005 |
| ST006A | 20 | N | 100 | 17.00 | 2.40 | 2,500 | 10 | N | <1 | 24 | .6 | 4.5 | 300 | .080 |
| ST006B | <10 | N | <10 | .20 | .06 | 65 | 5 | N | N | 34 | <.2 | .5 | N | .010 |
| ST006C | 50 | N | 300 | 9.30 | .68 | 350 | 5 | N | N | 340 | 1.8 | 8.0 | 700 | 2.000 |
| ST007A | 50 | <200 | 500 | .05 | .02 | 10 | 80 | N | N | 2 | .6 | 4.5 | 500 | .010 |
| ST008A | 70 | N | 100 | .05 | .06 | N | 15 | N | N | N | <.2 | 5.5 | 100 | N |
| ST008B | 50 | 200 | 500 | .05 | .22 | 50 | 25 | N | N | 4 | .6 | 5.5 | 500 | .015 |
| ST008C | 70 | N | 700 | .10 | .34 | N | 10 | N | N | N | .4 | 2.5 | 400 | .010 |
| | | | | | Taylor Mine--Continued | | | | | | | | | |
| TA002A | 20 | 200 | 70 | N | .08 | <5 | 80 | N | N | 2 | 1.6 | 2.1 | 600 | .010 |
| TA003A | <10 | 1,500 | 100 | .10 | 6.50 | 20 | 1,000 | 11.0 | N | 180 | 2.0 | 1.0 | 300 | .300 |
| TA003B | 10 | <200 | N | .05 | .62 | N | 60 | 5.2 | N | 12 | .2 | .5 | N | .085 |
| TA005A | 10 | 200 | <10 | .10 | .50 | <5 | 35 | 2.8 | N | 26 | .2 | .5 | N | .800 |
| TA006A | 10 | 200 | 100 | N | 1.20 | <5 | 160 | 4.8 | N | 12 | .3 | 3.0 | <100 | .700 |
| TA007A | 15 | 200 | 200 | .05 | 1.10 | 20 | 40 | .1 | N | 12 | .4 | 3.5 | 500 | .600 |
| TA007B | 15 | 200 | 200 | .05 | 1.10 | 20 | 40 | .1 | N | 12 | .4 | 3.5 | 500 | .600 |
| TA009A | 10 | N | 30 | .35 | 3.00 | 15 | 20 | .2 | N | 3,200 | .6 | 1.0 | 100 | .500 |
| TA009B | 10 | 500 | N | .10 | 3.80 | N | 190 | 2.4 | N | 12,000 | 2.4 | N | 200 | .800 |
| TA009C | 15 | 200 | 50 | .10 | 1.30 | 5 | 50 | .2 | N | 3,300 | .2 | .5 | <100 | .600 |
| TA010B | 20 | <200 | 20 | .10 | .20 | 20 | 25 | N | N | 180 | .2 | .5 | 200 | .025 |

Table 3.--Geochemical data for sediment-hosted disseminated precious-metal deposits in Nevada--Continued

| Sample | Latitude | Longitude | Fe-pct. s | Mg-pct. s | Ca-pct. s | Ti-pct. s | Mn-ppm s | Ag-ppm s | As-ppm s | B-ppm s | Ba-ppm s | Be-ppm s | Cd-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Tonkin Springs District** | | | | | | | | | | | | | |
| TS8301 | 39 48 0 | 116 30 0 | 1.00 | .10 | .50 | .100 | 50 | 7.0 | 500 | 150 | 700 | N | N |
| TS8302 | 39 48 0 | 116 30 0 | 1.00 | .05 | .20 | .050 | 70 | 50.0 | 3,000 | 50 | 500 | N | N |
| TS8304 | 39 48 0 | 116 30 0 | .07 | .10 | >20.00 | .005 | 1,000 | N | N | N | 700 | <1.0 | N |
| **White Caps Mine--Manhattan District** | | | | | | | | | | | | | |
| WC001A | 38 32 0 | 117 3 0 | .10 | .03 | .10 | .050 | 50 | .7 | N | 50 | 150 | N | N |
| WC001B | 38 32 0 | 117 3 0 | .05 | .02 | .10 | .005 | 15 | N | N | 10 | 200 | <1.0 | N |
| WC002A | 38 32 0 | 117 3 0 | 1.00 | .20 | >20.00 | .070 | 1,500 | .5 | 1,000 | 100 | 150 | <1.0 | N |
| WC003A | 38 32 0 | 117 3 0 | 1.00 | 2.00 | >20.00 | .030 | 1,000 | N | 300 | 50 | 70 | 1.0 | N |
| WC003B | 38 32 0 | 117 3 0 | 2.00 | .15 | 7.00 | .100 | 2,000 | .5 | 3,000 | 200 | 300 | 1.0 | N |
| WC003C | 38 31 59 | 117 3 0 | 1.00 | 5.00 | >20.00 | .030 | 2,000 | .5 | 500 | 30 | 50 | <1.0 | N |
| WC003D | 38 32 0 | 117 3 0 | .10 | .20 | >20.00 | .020 | 2,000 | N | N | N | N | N | N |
| **Windfall Mine** | | | | | | | | | | | | | |
| WF001A | 39 27 0 | 115 57 0 | .70 | .02 | .30 | .020 | 100 | 7.0 | 300 | 70 | 300 | 1.0 | N |
| WF002A | 39 27 0 | 115 57 0 | 2.00 | .50 | .20 | 1.000 | 100 | N | N | 50 | 1,000 | 2.0 | N |
| WF002B | 39 27 0 | 115 57 0 | 2.00 | .50 | .10 | .500 | 100 | <.5 | N | 30 | 1,000 | 2.0 | N |
| WF003A | 39 27 0 | 115 57 0 | 10.00 | .20 | .50 | .500 | 200 | .7 | 2,000 | 200 | 1,000 | 3.0 | N |
| WF004A | 39 27 0 | 115 57 0 | .20 | .05 | .10 | .020 | 10 | 7.0 | N | 20 | 1,000 | N | N |
| WF005A | 39 27 0 | 115 57 0 | 3.00 | .70 | .07 | .500 | 20 | .5 | 1,000 | 700 | 3,000 | 3.0 | N |
| WF006A | 39 27 0 | 115 57 0 | 5.00 | .70 | 10.00 | .200 | 1,000 | N | N | 200 | 300 | 2.0 | N |
| WF006B | 39 27 0 | 115 57 0 | 1.00 | .30 | >20.00 | .050 | 2,000 | N | N | 20 | 70 | <1.0 | N |
| WF007A | 39 27 0 | 115 57 0 | .15 | >10.00 | 20.00 | .010 | 500 | N | N | 100 | <20 | N | N |
| WF007B | 39 27 0 | 115 57 0 | .05 | >10.00 | >20.00 | .005 | 500 | 5.0 | N | N | 100 | N | N |
| WF008A | 39 27 0 | 115 57 0 | 5.00 | 3.00 | 1.00 | .500 | 500 | N | N | 200 | 500 | 3.0 | N |
| WF009A | 39 27 0 | 115 57 0 | 2.00 | .70 | >20.00 | .100 | 2,000 | .7 | N | 30 | 5,000 | <1.0 | N |
| WF010A | 39 27 0 | 115 57 0 | .20 | >10.00 | 20.00 | .020 | 300 | .7 | N | N | 20 | N | N |
| WF010B | 39 27 0 | 115 57 0 | .10 | >10.00 | >20.00 | .003 | 300 | .7 | N | <10 | N | N | N |
| WF010C | 39 27 0 | 115 57 0 | .30 | >10.00 | 20.00 | .010 | 300 | 1.5 | N | N | N | N | N |
| WF010D | 39 27 0 | 115 57 0 | 5.00 | >10.00 | 20.00 | .015 | 500 | 2.0 | 700 | <10 | 50 | N | N |
| WF011A | 39 27 0 | 115 57 0 | 5.00 | >10.00 | 15.00 | .002 | 5,000 | 20.0 | 1,000 | 10 | N | <1.0 | 500 |
| WF012A | 39 27 0 | 115 57 0 | .05 | 10.00 | 20.00 | <.002 | 500 | 2.0 | N | N | N | N | N |

Table 3.--Geochemical data for sediment-hosted disseminated precious-metal deposits in Nevada--Continued

| Sample | Co-ppm s | Cr-ppm s | Cu-ppm s | La-ppm s | Mo-ppm s | Nb-ppm s | Ni-ppm s | Pb-ppm s | Sb-ppm s | Sc-ppm s | Sn-ppm s | Sr-ppm s | V-ppm s | W-ppm s |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tonkin Springs District--Continued | | | | | | | | | | | | | | |
| TS8301 | N | 20 | 15 | N | N | N | 5 | N | N | N | N | N | 100 | N |
| TS8302 | N | N | 20 | N | N | N | N | 70 | 100 | N | N | N | 20 | N |
| TS8304 | N | N | N | N | N | N | N | N | N | N | N | <100 | 20 | N |
| White Caps Mine--Manhattan District--Continued | | | | | | | | | | | | | | |
| WC001A | N | 10 | 5 | N | N | N | N | N | N | N | N | N | 20 | N |
| WC001B | N | N | 5 | N | N | N | N | N | N | N | N | N | <10 | N |
| WC002A | 7 | N | 7 | N | N | N | <5 | 50 | 1,000 | <5 | N | 500 | 20 | N |
| WC003A | N | N | 5 | N | N | N | N | 70 | N | <5 | N | 700 | 10 | N |
| WC003B | 5 | 10 | 20 | N | N | N | 10 | 30 | 2,000 | N | N | N | 30 | N |
| WC003C | N | N | 5 | N | N | N | <5 | 30 | N | N | N | 500 | 10 | N |
| WC003D | N | N | N | N | N | N | N | N | N | 5 | N | 1,500 | <10 | N |
| Windfall Mine--Continued | | | | | | | | | | | | | | |
| WF001A | N | N | <5 | N | N | N | N | N | <100 | N | N | N | 30 | N |
| WF002A | N | N | <5 | 150 | N | 20 | N | 10 | N | 10 | N | 700 | 50 | N |
| WF002B | N | N | N | 70 | N | 30 | N | 20 | N | 5 | N | N | 70 | N |
| WF003A | 7 | 50 | 20 | 500 | 15 | 20 | N | 150 | 300 | 10 | N | 5,000 | 100 | N |
| WF004A | N | 15 | 7 | <20 | N | N | N | 300 | 200 | N | N | <100 | 10 | N |
| WF005A | 5 | 150 | 7 | 100 | N | <20 | 15 | <10 | N | 15 | N | 500 | 100 | N |
| WF006A | 30 | 100 | 15 | 70 | N | N | 50 | 30 | N | 10 | N | N | 100 | N |
| WF006B | N | N | 5 | N | N | N | N | <10 | N | N | N | 700 | <10 | N |
| WF007A | N | N | N | N | N | N | N | 500 | N | N | N | N | 10 | N |
| WF007B | N | N | N | N | N | N | N | 70 | 1,500 | N | N | N | <10 | N |
| WF008A | 20 | 150 | 20 | 70 | N | <20 | 50 | 20 | N | 15 | N | <100 | 100 | N |
| WF009A | <5 | 10 | 5 | N | N | N | 5 | 50 | N | <5 | N | 200 | 20 | N |
| WF010A | N | N | N | N | N | N | N | 100 | N | <5 | N | N | 10 | N |
| WF010B | N | N | N | N | N | N | N | 20 | N | N | N | N | <10 | N |
| WF010C | N | N | N | <20 | N | N | N | 100 | N | N | N | N | 10 | N |
| WF010D | 15 | N | 10 | N | 10 | N | 5 | 700 | 200 | 5 | N | N | 50 | N |
| WF011A | 5 | <10 | 100 | N | 5 | N | 10 | 10,000 | 100 | N | 20 | N | <10 | N |
| WF012A | N | N | 10 | N | N | N | N | 100 | N | N | N | N | N | N |

Table 3.--Geochemical data for sediment-hosted disseminated precious-metal deposits in Nevada--Continued

| Sample | Y-ppm s | Zn-ppm s | Zr-ppm s | Au-ppm aa | Hg-ppm Inst | As-ppm aa | Zn-ppm aa | Cd-ppm aa | Bi-ppm aa | Sb-ppm aa | Tl-ppm aa | W-ppm S | F-ppm SI | Te-ppm aa |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tonkin Springs District--Continued | | | | | | | | | | | | | | |
| TS8301 | 15 | N | 100 | .35 | 2.80 | 450 | 5 | N | N | 32 | 2.0 | 8.5 | 200 | .130 |
| TS8302 | 10 | N | 50 | 5.70 | 4.30 | 2,100 | 5 | .1 | N | 10 | 3.2 | 3.0 | 100 | .140 |
| TS8304 | N | N | N | .10 | .42 | 40 | 5 | N | N | 4 | .4 | .5 | 400 | N |
| White Caps Mine--Manhattan District--Continued | | | | | | | | | | | | | | |
| WC001A | 10 | <200 | 70 | .05 | .08 | 10 | <5 | N | N | 4 | .2 | 2.5 | N | .010 |
| WC001B | 10 | N | N | N | .12 | <5 | N | N | N | 4 | .2 | 1.0 | N | <.005 |
| WC002A | 100 | N | 150 | 2.80 | 300.00 | 920 | 5 | N | N | 480 | 44.0 | 14.5 | 300 | 1.000 |
| WC003A | 10 | N | N | N | 1.00 | 270 | <5 | N | N | 10 | .4 | 2.0 | <100 | <.005 |
| WC003B | 50 | 200 | 100 | 8.70 | 1,000.00 | 3,000 | 50 | N | N | 100 | 20.0 | 7.0 | 100 | .015 |
| WC003C | 15 | N | N | .10 | 6.60 | 520 | 5 | N | N | 44 | 7.4 | 2.0 | <100 | .070 |
| WC003D | 20 | N | N | .20 | 1.50 | 40 | N | N | N | 14 | .5 | 2.0 | N | N |
| Windfall Mine--Continued | | | | | | | | | | | | | | |
| WF001A | <10 | N | <10 | .05 | 1.00 | 210 | 25 | .1 | N | 72 | 4.8 | 2.0 | 200 | .015 |
| WF002A | 20 | <200 | 300 | N | .60 | N | 30 | N | N | N | 1.9 | 7.0 | 700 | N |
| WF002B | 50 | <200 | 500 | N | 1.40 | N | 20 | N | N | <2 | 2.2 | 1.0 | 600 | N |
| WF003A | 50 | 200 | 200 | .05 | 7.90 | 2,600 | 65 | 1.6 | N | 155 | 6.0 | 22.0 | 8,400 | .015 |
| WF004A | 15 | N | 20 | .45 | 7.00 | 130 | 5 | N | N | 140 | 2.2 | 2.5 | <100 | .150 |
| WF005A | 20 | N | 150 | .05 | 1.60 | 900 | <5 | N | N | N | 17.0 | 14.0 | 1,300 | .010 |
| WF006A | 30 | 200 | 100 | .05 | .02 | N | 110 | N | N | N | 1.1 | N | 100 | <.005 |
| WF006B | 15 | N | 70 | <.05 | .04 | 5 | 5 | N | N | N | .6 | 1.5 | 200 | .005 |
| WF007A | 10 | 200 | N | .60 | .30 | 30 | 90 | .6 | 1 | 20 | <.2 | 1.5 | 100 | .010 |
| WF007B | <10 | <200 | N | 1.50 | .90 | 5 | 20 | N | N | 14 | .2 | 7.5 | 700 | .080 |
| WF008A | 30 | 200 | 100 | N | .06 | 5 | 50 | N | <1 | N | 5.8 | 2.0 | 600 | .010 |
| WF009A | 10 | N | 30 | .05 | .48 | 5 | 35 | N | N | N | <.2 | N | 200 | <.005 |
| WF010A | 10 | 300 | N | .45 | .90 | 30 | 190 | 8.4 | N | 2 | 5.3 | 2.0 | <100 | <.005 |
| WF010B | N | N | N | .10 | .70 | 5 | 15 | .4 | N | N | .4 | <.5 | N | <.005 |
| WF010C | 10 | <200 | N | .50 | .40 | 50 | 60 | .4 | N | 8 | .4 | 1.0 | <100 | .005 |
| WF010D | <10 | 1,000 | N | 1.20 | 2.30 | 890 | 500 | 2.7 | N | 120 | .2 | 3.0 | <100 | .020 |
| WF011A | 10 | >10,000 | N | .55 | 9.40 | 1,100 | 21,000 | 370.0 | N | 100 | 54.0 | 2.5 | 100 | .235 |
| WF012A | N | 200 | N | .05 | .10 | 5 | 200 | .5 | N | N | 1.0 | 8.5 | N | <.005 |

## APPENDIX 1

### Alligator Ridge mine

| | |
|---|---|
| AR002A | Carbon-rich Pilot Shale above jasperoid; Vantage 1 ore zone, southeast wall, 6650 level |
| AR003A | Jasperoid with calcite fracture coatings; Vantage 1 ore zone, 6650 level |
| AR004A | Barite crystals lining vugs in jasperoid; Vantage 1 ore zone, 6650 level |
| AR005A | Alunite veins cutting jasperoid; Vantage 1 ore zone, 6650 level |
| AR007A | Brecciated shale fragments in hematite matrix; Vantage 1 ore zone, (hydrofractured breccia) |
| AR008A | Calcite vein cutting silicified Pilot Shale; Vantage 1 ore zone, west wall |
| AR009A | Silicic breccia from cross-cutting breccia pipe; Vantage 2 ore zone |
| AR010A | Carbonaceous shale ore; Vantage 2 ore zone |
| AR011A | Brecciated jasperoid below carbonaceous ore zone; Vantage 2 ore zone |
| AR012A | Transition ore, oxidized carbonaceous sandy shale; Vantage 2 ore zone |
| AR013A | Jasperoid below silicified, brecciated ore (AR011A); Vantage 1 ore zone |
| AR014A | Discovery jasperoid in Pilot Shale above Vantage 1 ore zone |
| AR015A | Opaline sinter north of Alligator Ridge mine |

### Candelaria mine

| | |
|---|---|
| CL001A | Chert from Palmetto Fm.; south end of Lucky Hill ore zone |
| CL001B | Clay from Palmetto Fm.; south end of Lucky Hill ore zone |
| CL002A | Silicified, coarse-grained sandstone with disseminated limestone; southwest end of Lucky Hill ore zone |
| CL003A | Dolomite from Lucky Hill ore zone block, lower-upper plate |
| CL004A | Silicified, dolomite ore at thrust contact; Lucky Hill ore zone |
| CL005A | Sulfide-rich upper plate quartzite(?); Lucky Hill ore zone |
| CL008A | Sericite-rich dike; east wall of Mt. Diablo ore zone |

| | |
|---|---|
| CL008B | White quartz veins cutting sericite dike (CL008A) |
| CL009A | Weakly silicified conglomerate from Candelaria Fm.; Mt. Diablo ore zone |
| CL010A | Dike with quartz veinlets; near ore, east wall of Mt. Diablo ore zone |
| CL011A | Weakly altered serpentinite; east wall of Mt. Diablo ore zone |
| CL012A | Altered shale, chert, and clay interbeds from Palmetto Fm.; Mt. Diablo ore zone |
| CL013A | Silicified breccia, Candelaria Fm.; Northern Belle stope |
| CL013B | Bleached silicified breccia, Candelaria Fm.; Northern Belle stope |
| CL013C | Clay from Candelaria Fm.; adit near Northern Belle stope |
| CL014A | Silicified, brecciated Candelaria Fm. along Alpha Fault |
| CL015A | Quartz veins cutting Diablo Grit; south side, North Hill ore zone |
| CL016A | Brecciated quartz vein in upper plate near thrust; North Hill ore zone |
| CL017A | Quartz veins in serpentinite; North Hill ore zone |
| CL018A | Quartz veins in ore(?); Lucky Hill ore zone |
| CL019A | Silicified-limonitic ore rock; Lucky Hill ore zone |

Carlin mine

| | |
|---|---|
| CAR8301 | Silicified, reddish-brown rock |
| CAR8303 | Very coarse-grained calcite vein |

Dee mine

| | |
|---|---|
| BC8301 | Black, brecciated silicified rock with crystalline quartz |
| BC8302 | Silicified, banded light-brown siltstone |
| BC8303 | Dark, silicified limestone(?) veined with crystalline quartz |
| BC8305 | Pinkish-brown, weakly silicified siltstone |
| BC8306 | Light-brown silicified rock with open quartz veins |

## Getchell mine

| | |
|---|---|
| GET8301 | Weakly altered granodiorite |
| GET8302 | Quartz vein in granodiorite |
| GET8305 | Black, carbonaceous limestone with quartz veining and disseminated pyrite |
| GET8306 | Light grey silicified rock |

## Horse Canyon mine

| | |
|---|---|
| HC001A | Black, carbonaceous silty limestone from Roberts Mountain (?).Fm. |
| HC002A | Black, carbonaceous limestone from Wenban Fm. |
| HC003A | Altered black, carbonaceous shale with disseminated pyrite from Wenban Fm. 20 ft below thrust; North Pit, 8020 level |
| HC004A | Carbonaceous ore with some calcite; North pit, 8020 level |
| HC005A | Calcite vein above HC004A |
| HC006A | Chert horizon in Vinini Fm.; 2-3 ft above thrust, North Pit, 8020 level |
| HC007A | Black-grey silicified rock from Wenban Fm.; North Pit, 8040 level |
| HC008A | Crystalline jarosite at location of HC007A; North Pit |
| HC009A | Silicified oxidized ore; North Pit, 8040 level |
| HC009B | Clay-altered, silty oxidized ore; North Pit, 8040 level |
| HC010A | Oxidized, silicified, brecciated ore; North Pit, 8040 level |
| HC011A | Carbon-rich ore; southwest wall of North Pit, 8040 level |
| HC011B | Completely oxidized ore from southwest wall of North Pit, 8040 level |
| HC012A | Limonite pseudomorphs after pyrite; North Pit, 8040 level |
| HC013A | Reduced, sulfide-rich waste ; North Pit, 8040 level |
| HC014A | Black, silicified rock from Wenban Fm.; southwest wall or North Pit, 8080 level |
| HC014B | Black, silicified, carbonaceous limestone from Wenban Fm.; southwest wall of North Pit, 8080 level |
| HC015A | Black, carbonaceous limestone; North Pit, high wall, 8340 level |

| | |
|---|---|
| HC016A | Jasperoid near South Pit |
| HC017A | Chert in Vinini Fm. ore; North Pit, 8020 level |
| HC017B | Shale in Vinini Fm. ore; North Pit, 8020 level |

Jerritt Canyon (Bell mine)

| | |
|---|---|
| JC001A | Black jasperoid with euhedral quartz and barite |

Manhattan mine

| | |
|---|---|
| MH002A | Siltstone with quartz fracture coatings; Big Four ore zone |
| MH003A | Host phyllite; Big Four ore zone |
| MH004A | Quartz vein at base of quartz reef; East Pit ore zone |
| MH005A | Quartz and sulfides from bench float at quartz reef; East Pit ore zone |
| MH006A | Quartz-mica vein with Au-type quartz vein selvage; East Pit ore zone |
| MH007A | Au-type quartz vein in sandstone; East Pit ore zone |
| MH008A | Quartz reef quartzite; East Pit ore zone |

Northumberland mine

| | |
|---|---|
| NU001A | Ordovician "zebra" rock, Bypass Road |
| NU001B | Siltstone, Bypass Road |
| NU002A | Tonalite dike with quartz veins, Bypass Road |
| NU003A | Jasperoid ore; main ore zone |
| NU004A | Brecciated Tertiary rhyodacite in carbonaceous matrix; main ore zone |
| NU005A | Limonite-rich selvage along Tertiary dike; main ore zone |
| NU006A | Carbonaceous ore; main ore zone |
| NU007A | Ordovician dolomite; main ore zone |
| NU007B | Weakly silicified dolomite at contact with NU006A |
| NU008A | Limonite-stained jasperoid; main ore zone |
| NU008B | Limonite-stained jasperoid; main ore zone |

| | |
|---|---|
| NU011A | Altered tonalite dike; main ore zone |
| NU012A | Pyrite-bearing carbonaceous siltstone; main ore zone |
| NU013A | High-grade jasperoid; main ore zone |
| NU014A | Ordovician limestone; Crows Nest area of main ore zone |
| NU014B | Ordovician silty layers; Crows Nest area of main ore zone |
| NU015A | Calc-silicate rock; main ore zone |
| NU016A | Altered Tertiary tuff; main ore zone |
| NU017A | Sulfide-bearing tonalite; north end, main ore zone |
| NU018A | Tonalite from North end; main ore zone |
| NU019A | Jasperoid, backfilled pit |
| NU022A | Carbonaceous ore; Chipmunk ore zone |
| NU022B | Calcite vein cutting ore; Chipmunk ore zone |
| NU023A | Calc-silicate; Chipmunk ore zone |
| NU024A | Oxidized carbonaceous ore; Chipmunk ore zone |
| NU025A | Quartz veins in tonalite from C1 hill west of Chipmunk ore zone |
| NU026A | Quartz veins in tonalite from C1 hill west of Chipmunk ore zone |
| NU027A | Upper jasperoid from C1 hill west of Chipmunk ore zone |

New York Canyon Prospect

| | |
|---|---|
| NY001A | Brecciated, silicified Hanson Creek Fm. |
| NY002A | Sandy dolomite, Hanson Creek Fm. |
| NY002B | Silicified dolomite, Hanson Creek Fm. |
| NY002C | Quartz veins in jasperoid, Hanson Creek Fm. |

Pinson mine

| | |
|---|---|
| PN002A | Yellow-brown, limonite-rich, silicified rock; quartzite(?); A ore zone |
| PN002B | Limonite-rich silicified rock; quartzite(?); A ore zone |
| PN8301 | Yellow-brown, limonite-stained, jasperoid; A ore zone |

| | |
|---|---|
| PN8302 | Fragmented, limonite-stained, silicified rock; A ore zone |
| PN8303 | Black silicified shale from Comas Fm.; B ore zone |
| PN8304 | Black carbonaceous limestone; B ore zone |
| PN8305 | Clay-rich black shale, partially brecciated; B ore zone |
| PN8306 | Brecciated, black silicified fragments in calcite matrix; B ore zone |

Preble mine

| | |
|---|---|
| PR001A | Felsic dike from north end; main ore zone |
| PR002A | Felsic dike south of main ore zone |
| PR002B | Quartz veins cutting felsic dike of PR002A |
| PR002C | Limonite-stained quartz stockwork adjacent to felsic dike PR002A |
| PR006A | Banded black and white shale; main ore zone |
| PR8301 | Felsic dike from north end; main ore zone |
| PR8302 | Surface jasperoid 30 ft west of main ore zone |
| PR8303 | Black, silicified limestone fragments in limey brecciated matrix west of main ore zone |
| PR8310 | Limonite-rich silicified rock with quartz veins; main ore zone |

Shale Pit Prospect

| | |
|---|---|
| SP002A | Calcite veins in shale |
| SP003A | Black, carbonaceous shale |
| SP004A | Black, carbonaceous limestone |
| SP005A | Sandy limestone |
| SP006A | Limonite-stained silicified limestone |
| SP007A | Carbonate stockwork |

Sterling mine

| | |
|---|---|
| ST001A | Carbonate ore from Wood Canyon Fm.; Ambrose Pit |
| ST001B | Arkosic siltstone from Wood Canyon Fm.; Ambrose Pit |

| | |
|---|---|
| ST001C | Silicified siltstone, Ambrose Pit |
| ST001D | Quartz vein from Wood Canyon Fm.; Ambrose Pit |
| ST002A | Quartz vein in silicified Wood Canyon Fm.; 8' above thrust contact with Bonanza King Fm. |
| ST003A | Fragmented pink dolomite from Bonanza King Fm. at thrust; Ambrose Pit |
| ST003B | Black, weakly silicified dolomite from Bonanza King Fm. below thrust; Ambrose Pit |
| ST004A | Dolomite from Wood Canyon Fm.; Ambrose Pit |
| ST004B | Silty bed from Wood Canyon Fm.; Ambrose Pit |
| ST005A | Veined dolomite from ore pile; Ambrose Pit |
| ST006A | Grey, partially silicified dolomite; main underground mine |
| ST006B | Dolomite below thrust from ore pile; main underground mine |
| ST006C | Sericite(?) from underground ore pile; main underground mine |
| ST007A | Rhyodacite dike 1 mile east of mine offices |
| ST008A | Dolomite in Wood Canyon Fm.; Tungsten Canyon locality |
| ST008B | Shale beds in Wood Canyon Fm.; Tungsten Canyon locality |
| ST008C | Sandy dolomite in Wood Canyon Fm.; Tungsten Canyon locality |

Taylor mine

| | |
|---|---|
| TA002A | Rhyodacite dike; Bishop ore zone |
| TA003A | Silicified Guilmette Fm. limestone; Bishop ore zone |
| TA003B | Calcite vein cutting silicified Guilmette Fm. limestone; Bishop ore zone |
| TA005A | Black jasperoid with calcite veins; Bishop ore zone |
| TA006A | Silicified limestone; Bishop ore zone |
| TA007A | Unaltered Guilmette Fm. limestone; Bishop ore zone |
| TA007B | Guilmette Fm. jasperoid; Bishop ore zone |
| TA009A | Quartz vein in silicified Joana Fm. limestone; Antimony Pit prospect, Taylor District |

| | |
|---|---|
| TA009B | Joana Fm. limestone; Antimony Pit prospect, Taylor District |
| TA009C | Joana Fm. jasperoid; Antimony Pit prospect |
| TA010B | Black, carbonaceous Joana Fm. limestone; Antimony Pit prospect, Taylor District |

Tonkin Springs Deposit

| | |
|---|---|
| TS8301 | Silicified carbonate from Vinini Fm. over main drilling area |
| TS8302 | Silicified breccia from discovery outcrop over main drilling area |
| TS8304 | Unaltered bituminous limestone over main drilling area |

White Caps mine (Manhattan District)

| | |
|---|---|
| WC001A | Quartz from surface outcrop above main shaft |
| WC001B | Quartz from surface outcrop above main shaft |
| WC002A | Calcite breccia from open stope |
| WC003A | Black limestone cut by calcite veins from open stope |
| WC003B | Calcite- and limonite-rich shear zone material from open stope |
| WC003C | Realgar-bearing limestone from open stope |
| WC003D | Calcite crystals in limestone from open stope |

Windfall mine

| | |
|---|---|
| WF001A | Jasperoid from Windfall Fm.; Rustler ore zone |
| WF002A | Rhyodacite dike; Rustler ore zone |
| WF002B | Rhyodacite dike; Rustler ore zone |
| WF003A | Silicified dike at contact with Hamburg Fm.; Rustler ore zone |
| WF004A | Silicified limestone ore; Rustler ore zone |
| WF005A | Altered Dunderberg shale; Rustler ore zone |
| WF006A | Dunderberg shale 20 ft below WF001A; Rustler ore zone |
| WF006B | Dunderberg limestone; Rustler ore zone |
| WF007A | Sandy Hamburg dolomite; Rustler ore zone |

| | |
|---|---|
| WF007B | Grey-black dolomite; Rustler ore zone |
| WF008A | Dunderberg black shale from east wall, Rustler ore zone |
| WF009A | Calcite vein in Dunderberg limestone from east wall, Rustler ore zone |
| WF010A | Carbonate vein in sandy dolomite from west wall, Windfall main ore zone |
| WF010B | Grey sandy dolomite; Windfall main ore zone |
| WF010C | White sandy dolomite; Windfall main ore zone |
| WF010D | Hematite from fracture in sandy dolomite; Windfall main ore zone |
| WF011A | Red sandy dolomite ore; Paroni ore zone |
| WF012A | Sandy Hamburg (?) dolomite 60 ft west of Paroni ore zone |