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Analytical data of stream-sediment and heavy-mineral-concentrate samples collected from the Buckstock Mountains and surrounding areas, Sleetmute quadrangle, southwest Alaska

By

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STUDIES RELATED TO AMRAP

The U.S. Geological Survey is required by the Alaska National Interests Lands Conservation Act (Public Law 96-487, 1980) to survey certain federal lands to determine their mineral potential. Results from the Alaska Mineral Resource Assessment Program (AMRAP) must be made available to the public and submitted to the President and Congress. This report is one of a series of publications that presents geochemical data collected during the mineral assessment study of the Sleetmute quadrangle, Alaska (fig. 1). Geochemical data for stream-sediment samples, and geochemical and mineralogical data for heavy-mineral-concentrate samples collected from the Buckstock Mountains and surrounding areas are presented here. The data in this report are also available on computer diskette in Gray and others (1997). An interpretation of the data appears in Gray and Theodorakos (1997).

INTRODUCTION

In the summers of 1993 and 1994, a reconnaissance geochemical survey was conducted in the southwestern part of the Sleetmute quadrangle. The study area covers about 3,700 km^2 (1,400 mi^2) and includes the Buckstock Mountains and surrounding areas (fig. 1). Reconnaissance drainage basin geochemical surveys are a rapid and efficient means of locating upstream areas favorable for mineral occurrences. The objective of this study was to use geochemical data from stream-sediment samples, and geochemical and mineralogical data from heavy-mineral-concentrate samples, to identify areas favorable for the presence of mineral deposits.

The most rugged topography is generally in the central part of the Buckstock Mountains where the maximum elevation is about 996 m (3,269 ft). However, much of the terrain lying outside of the Buckstock Mountains is dominated by low rolling hills with broad, sediment-filled lowlands. Some of the study area is swampy, especially along part of the Kuskokwim River where the minimum elevation is about 60 m (200 ft). The region is covered with vegetation that ranges from northern latitude forests to subarctic tundra. No roads are found in the area and access is limited to travel by air or foot. Boat access is also possible on some of the larger rivers and creeks.

GENERAL GEOLOGY

The geology of the Buckstock Mountains study area consists largely of sedimentary and volcanic rocks of the Triassic and Cretaceous Gemuk Group, sedimentary rocks of the Cretaceous Kuskokwim Group, and Late Cretaceous and early Tertiary mafic to felsic volcanic rocks, small granitic intrusions, and granite porphyry dikes and sills (Cady and others, 1955; Miller and others, 1989). The Gemuk Group consists of massive siltstones interbedded with lesser amounts of chert, andesitic flows and tuffs, and thin interbeds of limestone, graywacke, and breccia (Cady and others, 1955). Fossils from these rocks are of Late Triassic and Cretaceous age (Cady and others, 1955). These rocks represent deep-marine to shallow-water and subaerial facies (Cady and others, 1955; Miller and others, 1989).

The Kuskokwim Group is a sequence of flysch representing turbidite fan, foreslope, shallow-marine, and shelf facies formed primarily by turbidity currents depositing detritus into an elongate, northeast trending, fault-controlled Cretaceous basin (Decker and Hoare, 1982; Bundtzen and Gilbert, 1983; Miller and Bundtzen, 1994). The Kuskokwim Group was first

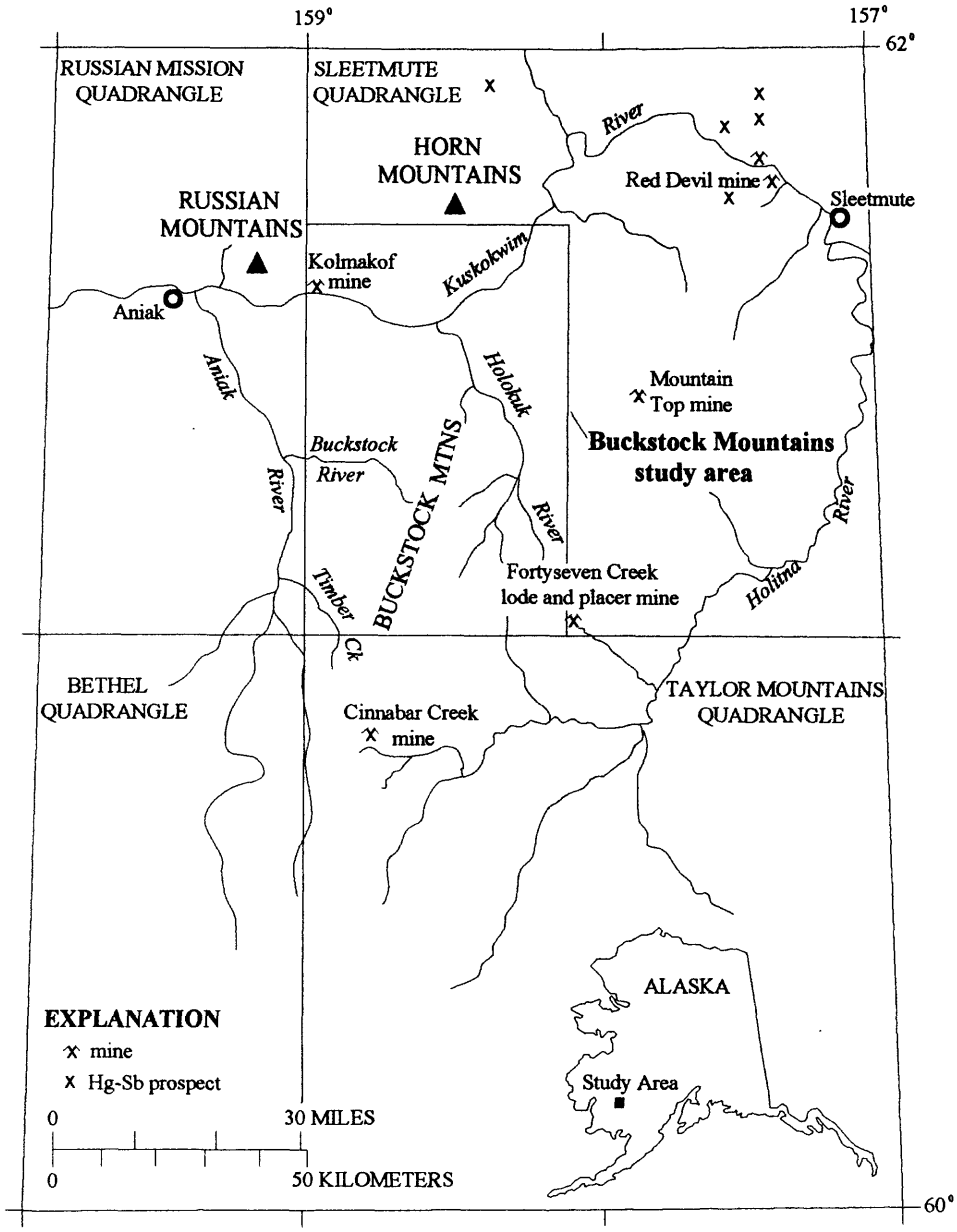

Figure 1. Location of the Buckstock Mountains study area in southwestern Alaska.

described by Cady and others (1955), who suggested that graywacke and lesser siltstone compose almost all of the sequence, and that graywacke is about twice as abundant as siltstone. Conglomerates and interbeds of volcanic tuffs and flows of intermediate composition are found locally (Cady and others, 1955; Miller and Bundtzen, 1994). The Kuskokwim Group is postaccretionary, overlying rocks of adjacent tectonostratigraphic terranes (Miller and others, 1989).

Late Cretaceous and early Tertiary hypabyssal granite porphyry intrusions are common in the Buckstock Mountains. Granite porphyry dikes and sills cut all rock types in the study area but most commonly intrude sedimentary rocks of the Kuskokwim Group. In the Buckstock Mountains, granite porphyry dikes generally trend southwest and are steeply dipping (Cady and others, 1955). Although typically small in outcrop, these intrusions are important in southwestern Alaska because they show a close spatial association with Au-As-Sb-W and Hg-Sb mineral deposits (Cady and others, 1955; Gray and others, 1997).

Late Cretaceous and early Tertiary mafic to felsic volcanic rocks are found in the northeastern part of the study area. These rocks are generally volcanic flows interbedded with lesser tuff, agglomerate, and minor lahar units (Cady and others, 1955). Rocks of mafic composition are most common, but intermediate and felsic compositions are also present (Miller and others, 1989). Small granitic intrusions are also found in the eastern part of the study area. The intrusions consist of monzonite, quartz monzonite, granodiorite, or granite, and they cut sedimentary rocks of the Kuskokwim Group. Additional geologic descriptions of the Buckstock Mountains and the Sleetmute quadrangle are in Cady and others (1955) and Miller and others (1989).

METHODS OF STUDY

Sample Media

In this reconnaissance geochemical study, stream-sediment and heavy-mineral-concentrate samples were collected to provide information about the rocks eroded from the drainage basin upstream from each sample site. Analyses of stream-sediment samples are representative of the geochemistry of rocks contained within the drainage basins. Heavy-mineral-concentrate samples provide information about minerals with higher density in rocks eroded from the drainage basins. The heavy-mineral-concentrate collection procedure selectively concentrates the dense minerals, many of which may be related to mineral deposits, permitting geochemical determination of some elements that are not easily detected in stream-sediment samples. The mineralogical content of the heavy-mineral-concentrate samples was also determined to provide additional information that may help to delineate mineral deposits. All of this information is useful for identifying ground favorable for mineral deposits.

Sample Collection

Stream-sediment and heavy-mineral-concentrate samples were collected from 356 sites from first- and second-order streams (fig. 2). Sampling density was about 1 site per 10 km^2 (4 mi^2). The area of the drainage basin sampled ranged from about 2.6 km^2 (1 mi^2) to 13 km^2 (5 mi^2).

Stream-sediment samples

Stream-sediment material collected consisted of alluvium in the active stream channel. When possible, samples were composited by collecting sediment from several localities in the

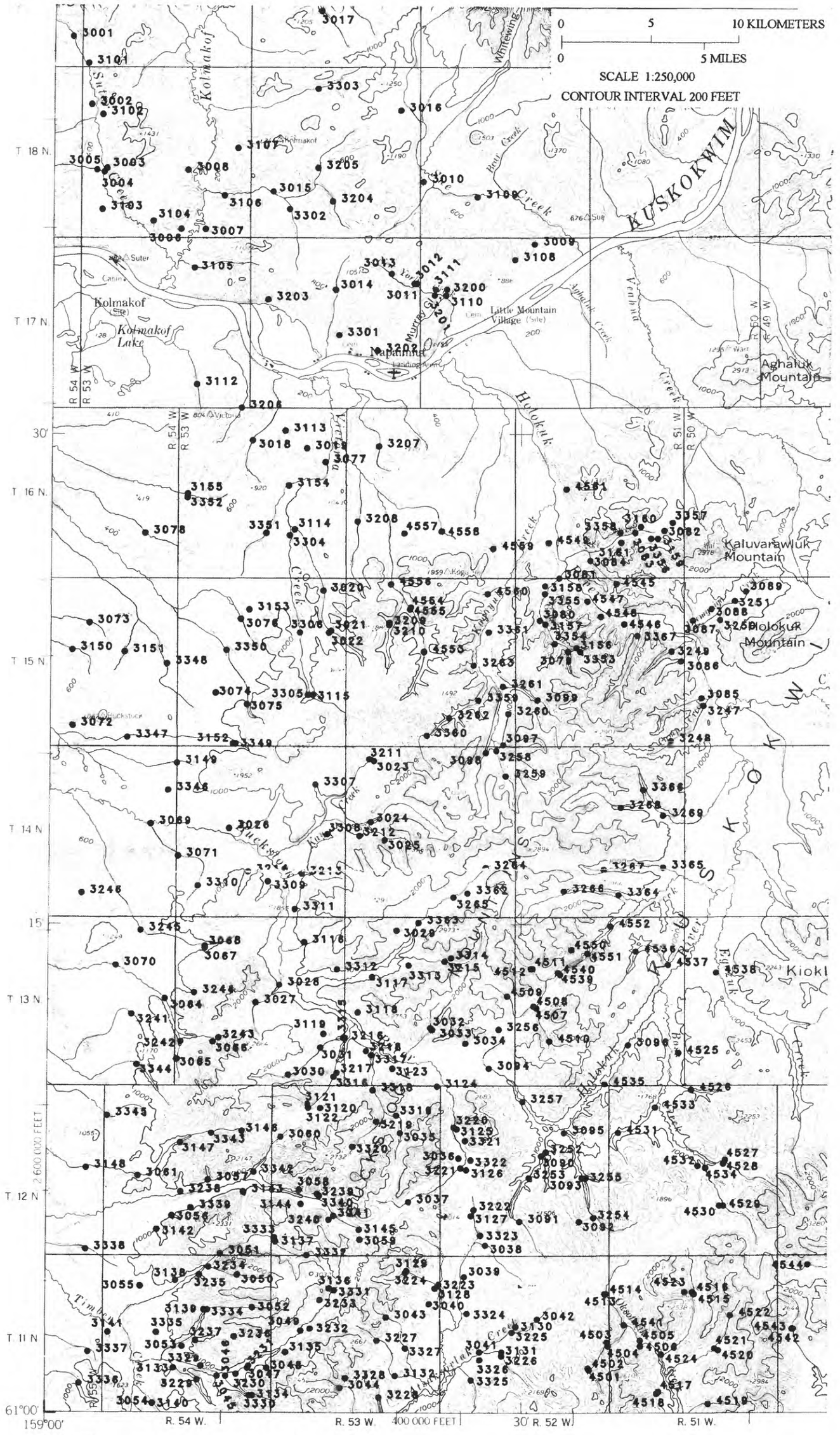

Figure 2. Localities of samples from the Buckstock Mountains study area.

active channel. However, some sites were swampy, with deep channels where it was not possible to identify the active channel bottom. In these instances, any available sediment was collected from the channel bottom using specialized shovels with extendable handles capable of reaching into these deep streams. The stream sediment was then screened to minus-10 mesh and collected in a stainless steel gold pan. About 2 kg of sediment was taken from the pan and saved as the stream-sediment sample.

Heavy-mineral-concentrate samples

Heavy-mineral-concentrates were collected from the same active alluvium as the stream-sediment samples. At each sample site, the gold pan was filled with stream sediment screened to minus-10 mesh and panned until most of the less dense minerals, organic materials, and clays were removed. This panned sample was saved as the heavy-mineral-concentrate sample. Streams sampled in areas covered by swampy lowlands often contain bed load material consisting primarily of clay with minor sand-sized material. In these instances, the gold pan was refilled several times to obtain adequate sand-sized material necessary for a heavy-mineral-concentrate sample.

Sample Preparation

In the laboratory, all 356 stream-sediment samples were dried at about 30°C, sieved to minus-80 mesh, pulverized, and analyzed by the methods described in the following section. The heavy-mineral-concentrate samples were sieved to minus-35 mesh, and then separated using bromoform (specific gravity 2.85) to remove any remaining lighter minerals, primarily quartz and feldspar. The resultant heavy-mineral-concentrate samples were then separated into magnetic, paramagnetic, and nonmagnetic fractions using a modified Frantz Isodynamic Separator. The most magnetic material was removed at a setting of 0.25 ampere and contains mostly magnetite. The paramagnetic fraction was removed at 1.75 ampere and consists largely of ferromagnesian silicates and iron oxides. The nonmagnetic fraction of the heavy-mineral-concentrate samples contains sulfide minerals, gold, and some nonmagnetic oxides and silicates; this was the only fraction chemically analyzed. The nonmagnetic heavy-mineral-concentrate samples were split using a multiple-plate splitter; one split was hand ground and chemically analyzed and the other split was used for mineralogical analysis. Although heavy-mineral-concentrates were collected from all of the 356 sites, 9 of the concentrate samples contained insufficient material for geochemical analysis following heavy-liquid and magnetic separations. Thus, geochemical data are reported for only 347 heavy-mineral-concentrate samples in table 4. Heavy-mineral-concentrate samples with insufficient material for analysis contain an "*ins.*" in the data columns in table 4. In addition, there were 3 heavy-mineral-concentrate samples with insufficient material for mineralogical analysis and these samples also contain an "*ins.*" in the data columns in table 5.

ANALYTICAL TECHNIQUES

Semiquantitative Emission Spectrography

The minus-80-mesh stream-sediment and minus-35-mesh nonmagnetic-heavy-mineral-concentrate samples were analyzed by semiquantitative, direct-current arc emission spectrography using a technique adapted from Grimes and Marranzino (1968). Spectrographic results were determined by visually comparing spectra derived from the sample against spectra

obtained from laboratory reference standards made from pure oxides and carbonates. Standard concentrations are geometrically spaced over any given order of magnitude as follows: 100, 50, 20, 10, etc. Samples whose concentrations were estimated to fall between those values were assigned values of 70, 30, 15, etc. The precision of this analytical technique is approximately ± one reporting interval at the 83 percent confidence level and ± two reporting intervals at the 96 percent confidence level (Motooka and Grimes, 1976). Values determined for the major elements Fe, Mg, Ca, Na, Ti, and P are given in weight percent; all other values are in parts per million (micrograms/gram). In addition, Pd and Pt were determined in the heavy-mineral-concentrate samples by emission spectrography. The elements determined by emission spectrography and their limits of determination are listed in table 1. Data for stream-sediment samples determined by the this technique are listed in table 3; data for the heavy-mineral-concentrate samples are listed in table 4.

Wet Chemical Techniques

Concentrations of Ag, As, Au, Bi, Cd, Cu, Mo, Pb, Sb, and Zn were determined in the minus-80-mesh stream-sediment samples by inductively coupled plasma-atomic emission spectroscopy (ICP-AES) using the procedure developed by Motooka (1988). The sediments were decomposed with concentrated hydrochloric acid and hydrogen peroxide in a hot-water bath. The metals were extracted in diisobutyl ketone (DIBK) in the presence of ascorbic acid and potassium iodide. The DIBK phase was then aspirated directly into the plasma and element concentrations were determined simultaneously with a multichannel ICP instrument. Tungsten in stream-sediment samples was determined by a laser ablation-ICP mass spectrometry technique described by Lichte (1995).

Concentrations of Au, Te, and Tl in the minus-80-mesh stream-sediment samples were determined by an atomic absorption spectrophotometry technique adapted from Hubert and Chao (1985). The samples were digested using a series of hydrogen peroxide, hydrofluoric acid, aqua-regia, and hydrobromic acid-bromine solutions. Gold, Te, and Tl were separated and concentrated by extraction into methyl isobutyl ketone and determined by flame atomic absorption spectrophotometry. Concentrations for Au in the range of 0.002 to 0.050 ppm were determined by graphite furnace atomic absorption spectrophotometry on samples that were shown to be less than 0.050 ppm by the flame atomic absorption spectrophotometry technique. The graphite furnace atomic absorption spectrophotometry technique for Au was adapted from Meier (1980).

Mercury was measured in the minus-80-mesh stream-sediment samples using a modified version of the cold-vapor atomic absorption spectrophotometry technique (Kennedy and Crock, 1987). The samples were decomposed with nitric acid and sodium dichromate. Mercury (II) was reduced to mercury gas with hydroxylamine hydrochloride/sodium chloride and stannous chloride in a continuous flow system releasing the gas into a quartz cell of an atomic absorption spectrophotometer where concentration was determined.

The elements determined by the various wet chemical techniques and their limits of determination are listed in table 2. Data determined for the stream-sediment samples by these methods are shown in table 3. Discrepancies in analyses for certain elements duplicated by different analytical methods, such as values determined for Au in stream-sediment samples, may be attributable to the particulate nature of minerals that contain Au, different sample aliquots used, and different extraction procedures. Due to the larger sample aliquot analyzed, the atomic

Table 1. Limits of determination for the spectrographic analysis of stream-sediment samples, based on a 10-mg sample.

[The spectrographic limits of determination for heavy-mineral-concentrate samples are based on a 5-mg sample weight, and are therefore two reporting intervals higher than the limits given for stream sediments]

Elements	Lower determination limit	Upper determination limit
	Percent	
Iron (Fe)	0.05	20
Magnesium (Mg)	0.02	10
Calcium (Ca)	0.05	20
Sodium (Na)	0.2	5
Titanium (Ti)	0.002	1
Phosphorous (P)	0.2	10
	Parts per million	
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)	10	2,000
Chromium (Cr)	10	5,000
Copper (Cu)	5	20,000
Gallium (Ga)	5	100
Germanium (Ge)	10	100
Lanthanum (La)	50	1,000
Manganese (Mn)	10	5,000
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
Thorium (Th)	100	2,000
Vanadium (V)	10	10,000
Tungsten (W)	20	10,000
Yttrium (Y)	10	2,000
Zinc (Zn)	200	10,000
Zirconium (Zr)	10	1,000
Palladium (Pd)*	5	1,000
Platinum (Pt)*	20	1,000

*Determined in heavy-mineral-concentrate samples only.

Table 2. Limits of determination* for ICP and AA analysis of stream-sediment samples.
[ICP-AES, inductively coupled plasma-atomic emission spectroscopy; AA, atomic absorption spectrophotometry; ICP-MS, inductively coupled plasma-mass spectrometry].

Element	Analytical Method	Lower limit	Upper limit
Silver (Ag)	ICP-AES	0.045 ppm	1,500 ppm
Arsenic (As)	ICP-AES	0.6 ppm	3,000 ppm
Gold (Au)	ICP-AES	0.15 ppm	2,400 ppm
Bismuth (Bi)	ICP-AES	0.6 ppm	1,500 ppm
Cadmium (Cd)	ICP-AES	0.03 ppm	500 ppm
Copper (Cu)	ICP-AES	0.03 ppm	1,200 ppm
Molybdenum (Mo)	ICP-AES	0.09 ppm	1,500 ppm
Lead (Pb)	ICP-AES	0.6 ppm	12,000 ppm
Antimony (Sb)	ICP-AES	0.6 ppm	800 ppm
Zinc (Zn)	ICP-AES	0.03 ppm	500 ppm
Tungsten (W)	ICP-MS	1.0 ppm	
Tellurium (Te)	AA	0.050 ppm	
Thallium (Tl)	AA	0.050 ppm	
Gold (Au)	AA	0.002 ppm	
Mercury (Hg)	AA	0.02 ppm	

* NOTE: Limits of determination for the ICP-AES and ICP-MS methods listed in this table are nominal, and in table 3 may be variable. The variability in limits of determination for an element is due to variable sample aliquot weight, dilution of an analytical aliquot, or instrumental interference correction.

absorption spectrophotometry analysis of Au generally provides more representative results than emission spectrography. For example, a 10-gram sample aliquot is used for the atomic absorption spectrophotometry analysis, whereas a 10-milligram sample aliquot is used in the emission spectrography technique.

Optical Mineralogy

Mineral identifications were made with a binocular microscope on each of the nonmagnetic, heavy-mineral-concentrate samples. The amount of a particular mineral in each concentrate sample was recorded in the following way: class 1, <1%; class 2, 1-5%; class 3, >5-20%; class 4, >20-50%; and class 5, >50%. If a particular mineral was not observed, a "0" was recorded. The following minerals were recognized in the heavy-mineral-concentrate samples as shown in table 5: zircon, apatite, cassiterite, rutile, anatase, brookite, tourmaline, pyroxene, amphibole, sphene, garnet, pyrite, cinnabar, chalcopyrite, stibnite, gold, arsenopyrite, scheelite, barite, sphalerite, corundum, muscovite, andalusite, and sillimanite. Unrecognized minerals were recorded as rock fragments.

DIGITAL DATA

The data in this report are also available in a digital version on a 3.5 inch diskette in Gray and others (1997). Access to this information requires an IBM compatible computer using MS DOS and a 3.5 inch drive capable of handling 3.5 inch diskettes. The diskette report contains the analytical results for the stream-sediment and heavy-mineral-concentrate samples in database file (.dbf) format and quattropro file (.wb2) format. The geochemical data in this report are also part of the USGS National Geochemical Database in Denver that contains both descriptive geological information and analytical data, but the mineralogical data for the heavy-mineral-concentrates are not included in the National Geochemical Database.

DESCRIPTION OF DATA TABLE

Table 3 contains the geochemical data for the stream-sediment samples collected during this study; tables 4 and 5 contain the geochemical and mineralogical data for the heavy-mineral-concentrate samples, respectively. Sample site locations are given in latitude and longitude in the tables, and these sample sites are plotted on figure 2. Sample site localities were abbreviated on figure 2 showing only a 4-digit number corresponding to sample numbers in the data tables, for example, sample SL3001S in table 3 corresponds to 3001 on figure 3.

The analytical method for each element shown in tables 3 and 4 is abbreviated as a suffix in the column headings. The designation "S" indicates semiquantitative emission spectrography, "ICP" indicates inductively coupled plasma-atomic emission spectroscopy and inductively coupled plasma-mass spectrometry, and "AA" indicates atomic absorption spectrophotometry. The letter "N" in the data table indicates that an element was looked for but not observed at the concentration shown, an "L" indicates that an element was detected but was below the limit of determination shown, and a "G" indicates that concentrations observed were greater than the upper limit of determination shown. An "<" indicates that an element concentration was below the lower limit of determination shown. Lower and upper limits of determination for the ICP methods listed in tables 2 and 3 may be variable due to variable sample aliquot weight, dilution of an analytical aliquot, or instrumental interference correction.

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Table 3. Geochemical data for minus-80-mesh stream-sediment samples collected from the Buckstock Mountains study area.

[S, semiquantitative emission spectrography; ICP, inductively coupled plasma spectroscopy and inductively coupled plasma-mass spectrometry; AA, atomic absorption spectrophotometry; N, not detected at the limit of determination shown; L, detected but below the limit of determination shown; G, concentrations observed were greater than the limit of determination shown; <, detected but below the limit of determination shown; >, determined to be greater than the value shown; element concentrations are in percent (%) or parts per million (ppm) as shown]

Sample #	USGS Lab #	Latitude			Longitude			Ca-%-S	Fe-%-S	Mg-%-S	Na-%-S
SL3001S	VM74 D-534136	61	42	11	-158	-58	-51	1.0	5	3.0	1.5
SL3002S	VM74 D-534137	61	40	0	-158	-57	-36	1.5	10	2.0	3.0
SL3003S	VM74 D-534138	61	38	11	-158	-56	-35	0.3	3	1.5	1.5
SL3004S	VM74 D-534139	61	38	6	-158	-56	-44	0.5	5	1.5	2.0
SL3005S	VM74 D-534140	61	38	9	-158	-57	-13	0.7	10	1.5	3.0
SL3006S	VM74 D-534141	61	36	3	-158	-51	-47	0.3	7	1.0	1.5
SL3007S	VM74 D-534142	61	36	6	-158	-50	-14	0.3	7	1.0	1.0
SL3008S	VM74 D-534143	61	38	17	-158	-51	-22	0.2	7	1.0	2.0
SL3009S	VM74 D-534144	61	36	19	-158	-29	-7	0.7	5	1.0	3.0
SL3010S	VM74 D-534145	61	38	7	-158	-36	-15	0.3	5	1.0	2.0
SL3011S	VM74 D-534146	61	35	50	-158	-36	-49	0.3	7	1.0	2.0
SL3012S	VM74 D-534147	61	35	46	-158	-36	-40	0.3	7	0.7	1.5
SL3013S	VM74 D-534148	61	35	38	-158	-38	-16	0.2	7	1.5	1.0
SL3014S	VM74 D-534149	61	34	39	-158	-41	-52	0.2	5	1.0	1.5
SL3015S	VM74 D-534150	61	37	54	-158	-45	-54	0.3	7	0.7	1.0
SL3016S	VM74 D-534151	61	40	26	-158	-37	-42	0.2	5	1.0	1.5
SL3017S	VM74 D-534152	61	43	26	-158	-42	-52	0.2	5	1.0	1.5
SL3018S	VM74 D-534153	61	30	54	-158	-47	-10	1.0	5	1.0	2.0
SL3019S	VM74 D-534154	61	30	58	-158	-43	-41	0.5	3	0.5	3.0
SL3020S	VM74 D-534155	61	25	50	-158	-42	-35	0.7	5	1.0	3.0
SL3021S	VM74 D-534156	61	24	34	-158	-42	-9	0.5	10	1.5	3.0
SL3022S	VM74 D-534157	61	24	14	-158	-42	-15	1.0	10	1.5	2.0
SL3023S	VM74 D-534158	61	20	0	-158	-39	-21	0.7	2	0.5	0.7
SL3024S	VM74 D-534159	61	18	57	-158	-39	-31	2.0	15	1.0	2.0
SL3025S	VM74 D-534160	61	18	57	-158	-38	-37	0.7	5	0.5	3.0
SL3026S	VM74 D-534161	61	18	6	-158	-48	-33	1.0	10	1.5	2.0
SL3027S	VM74 D-534162	61	13	36	-158	-46	-48	0.5	5	0.5	3.0
SL3028S	VM74 D-534163	61	13	56	-158	-45	-19	1.0	7	0.7	3.0
SL3029S	VM74 D-534164	61	15	35	-158	-37	-53	1.5	10	0.7	5.0
SL3030S	VM74 D-534165	61	10	8	-158	-44	-42	1.5	10	0.7	5.0
SL3031S	VM74 D-534166	61	11	50	-158	-42	-41	1.0	7	0.7	3.0
SL3032S	VM74 D-534167	61	12	22	-158	-35	-43	1.5	15	1.0	2.0
SL3033S	VM74 D-534168	61	12	13	-158	-35	-36	2.0	10	1.0	2.0
SL3034S	VM74 D-534169	61	11	50	-158	-33	-29	3.0	10	1.5	2.0
SL3035S	VM74 D-534170	61	9	45	-158	-37	-36	0.7	7	1.0	3.0
SL3036S	VM74 D-534171	61	8	21	-158	-33	-55	2.0	10	2.0	3.0
SL3037S	VM74 D-534172	61	6	35	-158	-37	-4	0.7	10	1.5	3.0
SL3038S	VM74 D-534173	61	5	49	-158	-32	-12	0.5	10	0.7	2.0
SL3039S	VM74 D-534174	61	4	28	-158	-33	-34	0.5	10	0.7	3.0
SL3040S	VM74 D-534175	61	3	8	-158	-35	-47	1.0	7	1.5	3.0
SL3041S	VM75 D-534176	61	2	13	-158	-32	-36	0.2	7	1.0	1.5
SL3042S	VM75 D-534177	61	3	21	-158	-28	-54	0.2	10	1.0	2.0
SL3043S	VM75 D-534178	61	3	51	-158	-38	-29	1.5	7	1.0	2.0
SL3044S	VM75 D-534179	61	1	52	-158	-41	-24	1.0	10	1.5	3.0
SL3045S	VM75 D-534180	61	1	57	-158	-49	-10	1.5	10	1.0	2.0
SL3046S	VM75 D-534181	61	1	47	-158	-48	-35	1.5	10	1.0	3.0

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Latitude			Longitude			Ca-%-S	Fe-%-S	Mg-%-S	Na-%-S
SL3047S	VM75 D-534182	61	1	7	-158	-47	-13	1.0	15	1.0	2.0
SL3048S	VM75 D-534183	61	1	7	-158	-46	-2	0.7	15	1.5	2.0
SL3049S	VM75 D-534184	61	3	22	-158	-43	-52	1.0	15	1.5	3.0
SL3050S	VM75 D-534185	61	4	24	-158	-47	-53	2.0	10	1.5	2.0
SL3051S	VM75 D-534186	61	5	31	-158	-48	-57	1.0	20	1.5	3.0
SL3052S	VM75 D-534187	61	3	14	-158	-46	-54	2.0	15	1.5	2.0
SL3053S	VM75 D-534188	61	2	54	-158	-51	-22	1.5	10	0.7	2.0
SL3054S	VM75 D-534189	61	0	13	-158	-53	-13	1.5	15	1.5	2.0
SL3055S	VM75 D-534190	61	4	1	-158	-54	-2	2.0	20	1.5	3.0
SL3056S	VM75 D-534191	61	6	19	-158	-52	-3	3.0	20	1.5	2.0
SL3057S	VM75 D-534192	61	7	54	-158	-49	-45	5.0	15	1.5	3.0
SL3058S	VM75 D-534193	61	7	5	-158	-43	-58	1.5	15	1.5	3.0
SL3059S	VM75 D-534194	61	5	9	-158	-40	-9	0.5	10	1.0	3.0
SL3060S	VM75 D-534195	61	8	52	-158	-45	-12	1.5	10	1.0	2.0
SL3061S	VM75 D-534196	61	7	20	-158	-54	-12	0.3	10	1.0	2.0
SL3064S	VM92 D-534500	61	13	21	-158	-52	-35	1.0	5	1.0	2.0
SL3065S	VM92 D-534501	61	11	33	-158	-51	-45	2.0	7	1.5	2.0
SL3066S	VM92 D-534502	61	11	42	-158	-49	-31	0.7	5	1.0	1.5
SL3067S	VM92 D-534503	61	14	50	-158	-50	-2	1.0	7	1.0	2.0
SL3068S	VM92 D-534504	61	14	23	-158	-50	-1	0.5	7	1.0	2.0
SL3069S	VM92 D-534505	61	18	18	-158	-53	-32	0.5	5	0.7	3.0
SL3070S	VM92 D-534506	61	14	21	-158	-55	-40	0.5	7	0.7	1.5
SL3071S	VM92 D-534507	61	17	2	-158	-51	-47	0.3	7	1.0	2.0
SL3072S	VM92 D-534508	61	21	44	-158	-58	-34	1.0	5	0.7	2.0
SL3073S	VM92 D-534509	61	24	7	-158	-57	-33	1.0	5	1.0	3.0
SL3074S	VM92 D-534510	61	22	3	-158	-49	-28	1.5	10	0.7	2.0
SL3075S	VM92 D-534511	61	22	14	-158	-47	-26	2.0	10	2.0	3.0
SL3076S	VM92 D-534512	61	24	3	-158	-47	-54	1.0	5	0.5	2.0
SL3077S	VM92 D-534513	61	29	45	-158	-42	-27	1.0	7	1.0	2.0
SL3078S	VM92 D-534514	61	27	23	-158	-54	-2	1.0	5	0.7	2.0
SL3079S	VM92 D-534515	61	23	10	-158	-27	-1	0.7	10	0.7	1.5
SL3080S	VM92 D-534516	61	24	1	-158	-28	-49	1.5	10	1.0	2.0
SL3081S	VM92 D-534517	61	26	21	-158	-27	-32	0.5	7	0.7	1.0
SL3082S	VM92 D-534518	61	27	19	-158	-20	-48	1.5	10	2.0	3.0
SL3083S	VM92 D-534519	61	27	38	-158	-22	-42	1.0	15	1.5	2.0
SL3084S	VM92 D-534520	61	26	2	-158	-25	-32	1.5	15	1.5	3.0
SL3085S	VM92 D-534521	61	22	1	-158	-18	-29	0.5	20	1.0	1.5
SL3086S	VM92 D-534522	61	23	10	-158	-19	-47	2.0	20	1.0	3.0
SL3087S	VM92 D-534523	61	24	54	-158	-19	-2	1.0	15	1.5	3.0
SL3088S	VM92 D-534524	61	25	1	-158	-17	-50	1.0	20	1.5	3.0
SL3089S	VM92 D-534525	61	25	19	-158	-15	-37	1.0	15	1.0	3.0
SL3090S	VM92 D-534526	61	8	41	-158	-28	-42	0.5	15	1.0	3.0
SL3091S	VM92 D-534527	61	6	12	-158	-30	-2	0.3	20	1.0	3.0
SL3092S	VM92 D-534528	61	6	53	-158	-26	-16	1.0	20	1.5	3.0
SL3093S	VM92 D-534529	61	7	52	-158	-26	-7	0.2	20G	1.5	3.0
SL3094S	VM92 D-534530	61	11	54	-158	-31	-58	1.0	20	1.5	3.0

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Latitude			Longitude			Ca-%-S	Fe-%-S	Mg-%-S	Na-%-S
SL3095S	VM92 D-534531	61	9	12	-158	-27	-16	0.2	20	1.5	3.0
SL3096S	VM92 D-534532	61	11	34	-158	-23	-11	0.3	20	1.5	3.0
SL3097S	VM92 D-534533	61	20	35	-158	-31	-8	1.5	20	1.5	3.0
SL3098S	VM92 D-534534	61	20	16	-158	-32	-14	1.5	15	1.0	3.0
SL3099S	VM92 D-534535	61	22	28	-158	-28	-54	0.5	15	1.0	3.0
SL3101S	VM75 D-534197	61	41	12	-158	-57	-51	0.7	10	1.5	2.0
SL3102S	VM75 D-534198	61	40	49	-158	-56	-54	0.2	7	1.0	1.5
SL3103S	VM75 D-534199	61	37	19	-158	-56	-52	1.0	10	1.0	2.0
SL3104S	VM75 D-534200	61	37	47	-158	-53	-34	0.7	7	0.7	2.0
SL3105S	VM75 D-534201	61	35	54	-158	-50	-55	1.0	15	1.0	1.5
SL3106S	VM75 D-534202	61	37	33	-158	-49	-2	0.3	15	1.0	2.0
SL3107S	VM75 D-534203	61	39	6	-158	-48	-12	0.2	10	1.0	1.5
SL3108S	VM75 D-534204	61	35	19	-158	-30	-22	0.3	15	1.5	2.0
SL3109S	VM75 D-534205	61	37	46	-158	-32	-47	1.0	7	1.0	3.0
SL3110S	VM75 D-534206	61	34	22	-158	-34	-49	0.5	15	1.0	2.0
SL3111S	VM75 D-534207	61	34	15	-158	-35	-27	1.0	15	1.0	2.0
SL3112S	VM75 D-534208	61	32	15	-158	-50	-45	1.5	10	1.0	2.0
SL3113S	VM75 D-534209	61	30	27	-158	-45	-5	2.0	10	1.0	3.0
SL3114S	VM75 D-534210	61	27	33	-158	-44	-28	1.5	5	0.7	1.5
SL3115S	VM75 D-534211	61	22	9	-158	-43	-15	3.0	15	1.5	2.0
SL3116S	VM75 D-534212	61	14	7	-158	-43	-46	1.5	10	0.5	3.0
SL3117S	VM75 D-534213	61	13	1	-158	-39	-25	0.7	15	0.7	3.0
SL3118S	VM75 D-534214	61	12	26	-158	-40	-18	1.0	15	0.7	2.0
SL3119S	VM75 D-534215	61	12	24	-158	-42	-29	0.7	7	0.5	3.0
SL3120S	VM76 D-534216	61	9	19	-158	-42	-41	1.0	7	1.0	1.5
SL3121S	VM76 D-534217	61	9	39	-158	-43	-31	1.0	5	1.0	3.0
SL3122S	VM76 D-534218	61	9	20	-158	-43	-28	1.5	15	1.0	3.0
SL3123S	VM76 D-534219	61	11	29	-158	-38	-7	2.0	15	1.0	2.0
SL3124S	VM76 D-534220	61	10	21	-158	-35	-16	0.7	10	0.7	3.0
SL3125S	VM76 D-534221	61	9	33	-158	-34	0	1.0	15	1.5	3.0
SL3126S	VM76 D-534222	61	7	2	-158	-33	-27	0.7	20	2.0	3.0
SL3127S	VM76 D-534223	61	6	43	-158	-33	-6	0.5	10	1.0	2.0
SL3128S	VM76 D-534224	61	4	28	-158	-35	-23	1.0	20	1.5	3.0
SL3129S	VM76 D-534225	61	4	3	-158	-37	-13	0.7	15	1.5	3.0
SL3130S	VM76 D-534226	61	3	52	-158	-30	-19	0.5	20	1.0	2.0
SL3131S	VM76 D-534227	61	2	23	-158	-31	-12	0.3	20	1.0	2.0
SL3132S	VM76 D-534228	61	1	39	-158	-37	-55	1.0	20	2.0	3.0
SL3133S	VM76 D-534229	61	1	53	-158	-51	-52	1.5	15	1.5	3.0
SL3134S	VM76 D-534230	61	1	7	-158	-46	-54	1.5	20	1.5	2.0
SL3135S	VM76 D-534231	61	2	24	-158	-44	-48	0.7	15	1.5	2.0
SL3136S	VM76 D-534232	61	4	34	-158	-42	-2	1.5	10	1.0	2.0
SL3137S	VM76 D-534233	61	5	51	-158	-45	-30	0.5	15	1.5	3.0
SL3138S	VM76 D-534234	61	4	50	-158	-51	-45	2.0	7	0.7	1.5
SL3139S	VM76 D-534235	61	3	15	-158	-49	-58	1.0	5	0.5	1.5
SL3140S	VM76 D-534236	61	0	4	-158	-53	-14	1.0	10	1.5	3.0
SL3141S	VM76 D-534237	61	2	9	-158	-56	-1	0.3	10	1.5	3.0

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Latitude			Longitude			Ca-%-S	Fe-%-S	Mg-%-S	Na-%-S
SL3142S	VM76 D-534238	61	6	19	-158	-52	-59	2.0	15	1.5	3.0
SL3143S	VM76 D-534239	61	7	29	-158	-47	-33	1.5	5	0.5	1.5
SL3144S	VM76 D-534240	61	6	39	-158	-43	-53	0.5	15	1.0	3.0
SL3145S	VM76 D-534241	61	6	48	-158	-40	-13	0.5	20	1.5	3.0
SL3146S	VM76 D-534242	61	9	27	-158	-47	-37	1.5	15	0.7	3.0
SL3147S	VM76 D-534243	61	8	38	-158	-51	-34	1.5	10	0.7	2.0
SL3148S	VM76 D-534244	61	7	40	-158	-57	-30	1.0	20	1.5	2.0
SL3149S	VM92 D-534536	61	20	18	-158	-51	-52	1.5	15	1.0	3.0
SL3150S	VM92 D-534537	61	23	29	-158	-58	-36	1.5	10	1.0	3.0
SL3151S	VM93 D-534538	61	23	55	-158	-55	-14	0.3	3	0.5	2.0
SL3152S	VM93 D-534539	61	21	24	-158	-48	-22	1.5	10	2.0	2.0
SL3153S	VM93 D-534540	61	25	19	-158	-47	-22	0.3	3	0.3	2.0
SL3154S	VM93 D-534541	61	28	30	-158	-44	-50	0.2	7	0.7	2.0
SL3155S	VM93 D-534542	61	28	40	-158	-51	-17	0.5	5	0.7	2.0
SL3156S	VM93 D-534543	61	23	26	-158	-26	-28	0.5	10	0.7	2.0
SL3157S	VM93 D-534544	61	24	12	-158	-28	-27	0.7	15	1.0	3.0
SL3158S	VM93 D-534545	61	25	26	-158	-28	-25	0.5	7	0.7	1.5
SL3159S	VM93 D-534546	61	27	10	-158	-21	-16	0.7	10	1.5	2.0
SL3160S	VM93 D-534547	61	27	21	-158	-22	-21	0.5	5	0.5	1.0
SL3161S	VM93 D-534548	61	27	50	-158	-23	-36	0.7	15	1.0	2.0
SL3200S	VM76 D-534245	61	34	12	-158	-34	-45	0.5	15	1.5	2.0
SL3201S	VM76 D-534246	61	34	43	-158	-35	-30	0.5	10	1.0	3.0
SL3202S	VM76 D-534247	61	33	25	-158	-39	-11	0.2	15	1.5	2.0
SL3203S	VM76 D-534248	61	34	14	-158	-46	-13	0.2	15	1.0	2.0
SL3204S	VM76 D-534249	61	37	35	-158	-42	-4	0.2	10	1.0	2.0
SL3205S	VM76 D-534250	61	38	10	-158	-43	0	1.0	10	1.0	2.0
SL3206S	VM76 D-534251	61	31	7	-158	-47	-54	2.0	10	1.0	2.0
SL3207S	VM76 D-534252	61	30	10	-158	-39	-4	1.5	10	1.0	3.0
SL3208S	VM76 D-534253	61	27	51	-158	-40	-26	3.0	15	3.0	2.0
SL3209S	VM76 D-534254	61	24	38	-158	-38	-24	1.0	7	0.5	3.0
SL3210S	VM76 D-534255	61	24	23	-158	-38	-24	1.0	10	1.0	3.0
SL3211S	VM77 D-534256	61	20	16	-158	-39	-40	1.5	10	1.0	3.0
SL3212S	VM77 D-534257	61	18	9	-158	-40	-16	1.0	7	0.7	3.0
SL3213S	VM77 D-534258	61	17	1	-158	-43	-55	0.7	10	1.5	5.0
SL3214S	VM77 D-534259	61	17	43	-158	-47	-19	2.0	10	1.0	3.0
SL3215S	VM77 D-534260	61	14	33	-158	-34	-47	1.0	15	1.0	3.0
SL3216S	VM77 D-534261	61	12	38	-158	-41	-8	2.0	20	2.0	3.0
SL3217S	VM77 D-534262	61	10	50	-158	-41	-39	3.0	20	2.0	2.0
SL3218S	VM77 D-534263	61	11	32	-158	-39	-47	1.5	10	0.7	2.0
SL3219S	VM77 D-534264	61	9	26	-158	-39	-8	1.0	15	1.0	2.0
SL3220S	VM77 D-534265	61	9	5	-158	-34	-13	0.3	20	1.5	3.0
SL3221S	VM77 D-534266	61	8	56	-158	-33	-48	1.0	20	2.0	3.0
SL3222S	VM77 D-534267	61	6	47	-158	-32	-57	0.5	20	2.0	3.0
SL3223S	VM77 D-534268	61	4	31	-158	-35	-9	0.7	15	1.5	2.0
SL3224S	VM77 D-534269	61	4	14	-158	-37	-16	2.0	15	2.0	2.0
SL3225S	VM77 D-534270	61	2	59	-158	-30	-34	0.3	15	1.0	2.0

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Latitude			Longitude			Ca-%-S	Fe-%-S	Mg-%-S	Na-%-S
SL3226S	VM77 D-534271	61	2	19	-158	-31	-12	0.2	15	1.5	2.0
SL3227S	VM77 D-534272	61	2	27	-158	-39	-3	2.0	10	1.5	2.0
SL3228S	VM77 D-534273	61	0	44	-158	-38	-55	0.7	10	1.0	2.0
SL3229S	VM77 D-534274	61	1	14	-158	-50	-23	1.5	15	1.0	3.0
SL3230S	VM77 D-534275	61	1	29	-158	-47	-58	1.0	10	1.5	2.0
SL3231S	VM77 D-534276	61	1	0	-158	-47	-11	0.7	7	1.5	2.0
SL3232S	VM77 D-534277	61	3	11	-158	-43	-14	0.3	7	1.5	2.0
SL3233S	VM77 D-534278	61	3	28	-158	-42	-41	0.3	5	1.0	1.5
SL3234S	VM77 D-534279	61	4	34	-158	-49	-41	1.0	3	0.5	1.0
SL3235S	VM77 D-534280	61	4	28	-158	-50	-16	0.5	7	1.0	1.5
SL3236S	VM77 D-534281	61	2	29	-158	-48	-4	1.0	7	1.5	2.0
SL3237S	VM77 D-534282	61	2	16	-158	-50	-32	0.7	10	1.5	2.0
SL3238S	VM77 D-534283	61	7	20	-158	-51	-30	1.0	10	1.5	2.0
SL3239S	VM77 D-534284	61	7	14	-158	-42	-50	0.5	7	1.0	2.0
SL3240S	VM77 D-534285	61	6	47	-158	-42	-6	0.2	10	1.0	2.0
SL3241S	VM93 D-534549	61	12	42	-158	-54	-39	0.3	10	1.0	2.0
SL3242S	VM93 D-534550	61	11	58	-158	-51	-34	1.0	10	1.0	2.0
SL3243S	VM93 D-534551	61	12	13	-158	-49	-7	0.3	3	0.3	3.0
SL3244S	VM93 D-534552	61	13	25	-158	-50	-42	0.5	15	0.7	2.0
SL3245S	VM93 D-534553	61	15	31	-158	-54	-6	0.5	10	1.0	1.5
SL3246S	VM93 D-534554	61	16	55	-158	-57	-56	0.5	3	0.5	2.0
SL3247S	VM93 D-534555	61	22	50	-158	-18	-23	0.3	15	1.0	2.0
SL3248S	VM93 D-534556	61	21	57	-158	-20	-28	0.2	10	1.0	2.0
SL3249S	VM93 D-534557	61	23	41	-158	-20	-25	0.5	7	0.5	2.0
SL3250S	VM93 D-534558	61	24	36	-158	-17	-17	0.2	5	0.7	2.0
SL3251S	VM93 D-534559	61	25	22	-158	-16	-18	0.3	3	0.5	1.5
SL3252S	VM93 D-534560	61	8	17	-158	-28	-24	0.2	10	0.7	1.5
SL3253S	VM93 D-534561	61	7	55	-158	-29	-27	0.2	10	0.7	2.0
SL3254S	VM93 D-534562	61	6	58	-158	-25	-22	0.1	10	0.7	2.0
SL3255S	VM93 D-534563	61	7	13	-158	-25	-53	0.3	15	1.0	2.0
SL3256S	VM93 D-534564	61	12	1	-158	-31	-21	0.5	10	0.7	1.5
SL3257S	VM93 D-534565	61	10	13	-158	-29	-52	0.3	15	1.5	2.0
SL3258S	VM93 D-534566	61	20	47	-158	-31	-35	0.2	5	0.5	3.0
SL3259S	VM93 D-534567	61	20	33	-158	-30	-59	0.3	15	0.5	3.0
SL3260S	VM93 D-534568	61	21	15	-158	-30	-47	0.3	10	0.5	3.0
SL3261S	VM93 D-534569	61	22	30	-158	-31	-7	0.5	15	1.0	2.0
SL3262S	VM93 D-534570	61	21	26	-158	-34	-32	1.5	20	1.0	1.5
SL3263S	VM93 D-534571	61	23	15	-158	-33	-1	2.0	15	1.0	2.0
SL3264S	VM93 D-534572	61	17	19	-158	-32	-14	0.3	10	0.5	3.0
SL3265S	VM93 D-534573	61	16	55	-158	-34	-17	0.5	10	0.7	3.0
SL3266S	VM93 D-534574	61	16	44	-158	-27	-15	1.5	15	0.7	1.5
SL3267S	VM93 D-534575	61	17	52	-158	-24	-44	0.7	10	0.5	3.0
SL3268S	VM93 D-534576	61	19	0	-158	-23	-40	0.5	15	1.0	2.0
SL3269S	VM93 D-534577	61	18	39	-158	-20	-56	0.3	10	1.0	2.0
SL3301S	VM77 D-534286	61	33	33	-158	-41	-40	0.3	7	1.5	1.0
SL3302S	VM77 D-534287	61	37	17	-158	-44	-50	0.3	10	0.7	1.5

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Latitude			Longitude			Ca-%-S	Fe-%-S	Mg-%-S	Na-%-S
SL3303S	VM77 D-534288	61	41	2	-158	-43	-3	0.2	5	0.7	1.5
SL3304S	VM77 D-534289	61	27	55	-158	-44	-45	1.0	7	1.5	2.0
SL3305S	VM77 D-534290	61	22	35	-158	-43	-34	2.0	10	2.0	3.0
SL3306S	VM77 D-534291	61	24	58	-158	-44	-6	1.5	10	2.0	2.0
SL3307S	VM77 D-534292	61	19	0	-158	-43	-6	0.3	10	2.0	2.0
SL3308S	VM77 D-534293	61	18	57	-158	-42	-17	0.7	3	0.7	3.0
SL3309S	VM77 D-534294	61	16	14	-158	-46	-5	2.0	10	2.0	2.0
SL3310S	VM77 D-534295	61	16	45	-158	-50	-32	1.0	7	1.5	2.0
SL3311S	VM78 D-534296	61	15	19	-158	-44	-21	0.5	5	1.0	2.0
SL3312S	VM78 D-534297	61	14	12	-158	-41	-40	0.7	5	0.7	5.0
SL3313S	VM78 D-534298	61	14	30	-158	-37	-5	0.3	10	1.0	2.0
SL3314S	VM78 D-534299	61	14	37	-158	-34	-24	1.0	10	1.0	3.0
SL3315S	VM78 D-534300	61	12	46	-158	-41	-13	0.5	5	0.5	3.0
SL3316S	VM78 D-534301	61	10	58	-158	-41	-51	1.0	10	1.5	3.0
SL3317S	VM78 D-534302	61	11	32	-158	-39	-25	1.0	7	1.0	2.0
SL3318S	VM78 D-534303	61	10	18	-158	-39	-21	0.7	10	1.5	3.0
SL3319S	VM78 D-534304	61	9	58	-158	-37	-50	0.5	7	0.7	3.0
SL3320S	VM78 D-534305	61	8	55	-158	-40	-36	0.3	10	1.0	2.0
SL3321S	VM78 D-534306	61	8	7	-158	-33	-30	0.7	10	1.0	3.0
SL3322S	VM78 D-534307	61	8	10	-158	-33	-7	0.3	10	1.5	3.0
SL3323S	VM78 D-534308	61	5	22	-158	-32	-32	0.3	10	1.0	2.0
SL3324S	VM78 D-534309	61	3	45	-158	-33	-23	1.0	10	0.7	2.0
SL3325S	VM78 D-534310	61	1	29	-158	-33	-6	0.3	7	1.0	2.0
SL3326S	VM78 D-534311	61	2	2	-158	-32	-36	0.2	10	1.5	2.0
SL3327S	VM78 D-534312	61	2	1	-158	-37	-16	0.3	7	1.5	3.0
SL3328S	VM78 D-534313	61	1	36	-158	-41	-2	0.7	10	2.0	2.0
SL3329S	VM78 D-534314	61	1	60	-158	-50	-8	0.7	7	0.7	2.0
SL3330S	VM78 D-534315	61	1	3	-158	-47	-4	0.5	5	1.0	2.0
SL3331S	VM78 D-534316	61	4	27	-158	-41	-47	0.5	10	1.0	2.0
SL3332S	VM78 D-534317	61	5	31	-158	-43	-31	0.3	15	1.0	2.0
SL3333S	VM78 D-534318	61	5	47	-158	-45	-33	0.5	20	1.5	2.0
SL3334S	VM78 D-534319	61	3	50	-158	-49	-46	1.0	15	1.0	2.0
SL3335S	VM78 D-534320	61	2	23	-158	-52	-59	1.5	20	2.0	3.0
SL3336S	VM78 D-534321	61	1	9	-158	-57	-50	2.0	7	0.7	3.0
SL3337S	VM78 D-534322	61	2	26	-158	-57	-18	1.0	10	0.7	3.0
SL3338S	VM78 D-534323	61	5	54	-158	-57	-29	1.5	20	2.0	3.0
SL3339S	VM78 D-534324	61	6	53	-158	-50	-49	1.5	15	2.0	2.0
SL3340S	VM78 D-534325	61	7	4	-158	-42	-43	0.5	20	2.0	2.0
SL3341S	VM78 D-534326	61	6	17	-158	-41	-49	0.5	20	2.0	2.0
SL3342S	VM78 D-534327	61	7	38	-158	-46	-51	1.0	15	1.5	5.0
SL3343S	VM78 D-534328	61	9	3	-158	-49	-33	3.0	20	2.0	5.0
SL3344S	VM78 D-534329	61	11	24	-158	-54	-17	0.5	20	2.0	2.0
SL3345S	VM78 D-534330	61	9	34	-158	-56	-10	0.7	15	1.5	2.0
SL3346S	VM94 D-534578	61	19	41	-158	-52	-28	0.2	5	0.5	1.0
SL3347S	VM94 D-534579	61	21	7	-158	-55	-4	0.7	10	1.5	2.0
SL3348S	VM94 D-534580	61	23	6	-158	-52	-35	0.3	5	0.5	1.5

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Latitude			Longitude			Ca-%-S	Fe-%-S	Mg-%-S	Na-%-S
SL3349S	VM94 D-534581	61	21	43	-158	-48	-11	2.0	10	2.0	2.0
SL3350S	VM94 D-534582	61	23	58	-158	-48	-48	0.7	10	1.0	2.0
SL3351S	VM94 D-534583	61	27	33	-158	-46	-16	0.5	5	0.7	1.5
SL3352S	VM94 D-534584	61	28	24	-158	-51	-18	0.3	3	0.5	2.0
SL3353S	VM94 D-534585	61	23	1	-158	-26	-13	0.7	10	0.7	2.0
SL3354S	VM94 D-534586	61	24	6	-158	-27	-49	1.0	15	1.0	2.0
SL3355S	VM94 D-534587	61	25	21	-158	-28	-28	0.7	15	1.0	2.0
SL3356S	VM94 D-534588	61	27	34	-158	-21	-40	0.5	20	1.5	2.0
SL3357S	VM94 D-534589	61	27	8	-158	-20	-16	0.7	10	1.0	3.0
SL3358S	VM94 D-534590	61	27	51	-158	-23	-39	0.5	10	0.7	2.0
SL3359S	VM94 D-534591	61	22	17	-158	-32	-41	1.5	20	1.5	2.0
SL3360S	VM94 D-534592	61	21	1	-158	-35	-59	0.7	15	0.7	3.0
SL3361S	VM94 D-534593	61	24	50	-158	-32	-2	1.0	15	1.5	2.0
SL3362S	VM94 D-534594	61	16	46	-158	-33	-20	0.5	15	1.0	1.5
SL3363S	VM94 D-534595	61	15	56	-158	-36	-30	0.3	10	0.5	3.0
SL3364S	VM94 D-534596	61	16	58	-158	-23	-44	0.3	7	0.5	1.5
SL3365S	VM94 D-534597	61	17	4	-158	-20	-58	0.5	10	1.0	1.5
SL3366S	VM94 D-534598	61	19	54	-158	-22	-12	0.3	10	1.0	2.0
SL3367S	VM94 D-534599	61	24	43	-158	-22	-32	0.3	7	0.7	3.0
SL4501S	WB41 D-569127	61	1	17	-158	-25	-40	0.2	15	1.5	2.0
SL4502S	WB41 D-569128	61	1	21	-158	-25	-44	0.2	10	1.0	2.0
SL4503S	WB41 D-569129	61	2	10	-158	-24	-34	0.2	15	1.0	3.0
SL4504S	WB41 D-569130	61	2	4	-158	-24	-28	0.2	10	1.0	3.0
SL4505S	WB41 D-569131	61	2	12	-158	-22	-27	0.2	15	1.5	3.0
SL4506S	WB41 D-569132	61	2	4	-158	-22	-28	0.2	10	1.0	1.5
SL4507S	WB41 D-569133	61	12	27	-158	-28	-59	1.0	10	2.0	2.0
SL4508S	WB41 D-569134	61	12	28	-158	-29	-8	0.7	15	1.5	2.0
SL4509S	WB41 D-569135	61	12	45	-158	-30	-49	1.0	10	1.0	2.0
SL4510S	WB41 D-569136	61	11	23	-158	-28	-8	0.7	15	1.5	2.0
SL4511S	WB41 D-569137	61	13	37	-158	-29	-12	1.5	15	1.5	2.0
SL4512S	WB41 D-569138	61	13	36	-158	-29	-20	2.0	15	1.0	2.0
SL4513S	WB41 D-569139	61	3	39	-158	-24	-40	0.3	15	1.5	2.0
SL4514S	WB41 D-569140	61	3	41	-158	-24	-35	0.2	15	1.0	1.5
SL4515S	WB41 D-569141	61	3	40	-158	-19	-2	0.2	10	1.0	1.0
SL4516S	WB41 D-569142	61	3	43	-158	-19	-10	0.2	15	1.0	1.0
SL4517S	WB41 D-569143	61	0	39	-158	-21	-20	0.2	10	2.0	2.0
SL4518S	WB41 D-569144	61	0	36	-158	-21	-24	0.2	15	1.5	3.0
SL4519S	WB41 D-569145	61	0	18	-158	-18	-11	0.2	7	1.0	1.5
SL4520S	WB41 D-569146	61	1	55	-158	-17	-33	0.2	15	1.0	2.0
SL4521S	WB41 D-569147	61	1	59	-158	-17	-44	0.1	7	1.0	1.5
SL4522S	WB41 D-569148	61	2	58	-158	-16	-44	0.1	10	1.0	1.5
SL4523S	WB41 D-569149	61	3	43	-158	-19	-38	0.2	10	1.0	2.0
SL4524S	WB41 D-569150	61	1	46	-158	-21	-6	0.2	7	1.0	2.0
SL4525S	WB41 D-569152	61	11	2	-158	-19	-58	0.3	15	1.5	2.0
SL4526S	WB41 D-569153	61	9	54	-158	-19	-13	0.2	10	1.5	2.0
SL4527S	WB41 D-569154	61	7	44	-158	-17	-2	0.2	10	1.5	2.0

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Latitude			Longitude			Ca-%-S	Fe-%-S	Mg-%-S	Na-%-S
SL4528S	WB41 D-569155	61	7	38	-158	-17	-9	0.1	10	1.0	2.0
SL4529S	WB41 D-569156	61	6	21	-158	-17	-11	0.2	7	0.7	1.5
SL4530S	WB41 D-569157	61	6	22	-158	-17	-24	0.2	10	1.0	1.5
SL4531S	WB42 D-569158	61	8	34	-158	-23	-51	0.2	10	1.0	2.0
SL4532S	WB42 D-569159	61	7	33	-158	-18	-47	0.2	10	1.0	2.0
SL4533S	WB42 D-569160	61	9	22	-158	-21	-28	0.2	15	1.0	3.0
SL4534S	WB42 D-569161	61	7	29	-158	-18	-16	0.1	7	0.7	2.0
SL4535S	WB42 D-569162	61	10	5	-158	-24	-39	0.3	15	1.5	3.0
SL4536S	WB42 D-569163	61	14	10	-158	-22	-40	0.2	15	1.5	3.0
SL4537S	WB42 D-569164	61	13	46	-158	-20	-40	0.2	10	1.5	3.0
SL4538S	WB42 D-569165	61	13	31	-158	-17	-33	0.2	10	1.0	3.0
SL4539S	WB42 D-569166	61	13	28	-158	-27	-28	0.7	15	1.0	3.0
SL4540S	WB42 D-569167	61	13	29	-158	-27	-35	0.5	20	1.0	3.0
SL4541S	WB42 D-569168	61	2	41	-158	-23	-29	0.2	20	0.7	2.0
SL4542S	WB42 D-569169	61	2	35	-158	-12	-46	0.2	10	1.0	1.5
SL4543S	WB42 D-569170	61	2	33	-158	-12	-51	0.1	15	1.0	1.5
SL4544S	WB42 D-569171	61	4	32	-158	-11	-50	0.2	15	1.0	1.0
SL4545S	WB42 D-569172	61	25	28	-158	-23	-53	0.5	20	1.0	2.0
SL4546S	WB42 D-569173	61	24	12	-158	-23	-23	0.3	10	0.7	2.0
SL4547S	WB42 D-569174	61	24	54	-158	-25	-44	1.5	20	1.5	3.0
SL4548S	WB42 D-569175	61	24	25	-158	-24	-53	0.7	20	1.5	3.0
SL4549S	WB42 D-569176	61	26	42	-158	-28	-14	0.3	15	1.0	2.0
SL4550S	WB42 D-569177	61	14	14	-158	-26	-44	1.0	10	1.0	3.0
SL4551S	WB42 D-569179	61	14	5	-158	-25	-45	1.0	15	1.5	2.0
SL4552S	WB42 D-569180	61	14	55	-158	-24	-17	1.5	15	1.5	2.0
SL4553S	WB42 D-569181	61	23	22	-158	-36	-12	0.7	20	1.0	2.0
SL4554S	WB42 D-569182	61	24	42	-158	-36	-60	0.3	5	0.3	3.0
SL4555S	WB42 D-569183	61	24	39	-158	-37	-4	0.5	15	1.5	2.0
SL4556S	WB42 D-569184	61	25	25	-158	-38	-17	0.5	20	1.0	2.0
SL4557S	WB42 D-569185	61	27	0	-158	-37	-25	0.2	7	0.5	3.0
SL4558S	WB42 D-569186	61	27	3	-158	-35	-1	0.5	10	1.0	3.0
SL4559S	WB42 D-569187	61	26	32	-158	-31	-46	0.3	7	0.3	2.0
SL4560S	WB42 D-569189	61	25	9	-158	-32	-7	0.3	15	1.0	2.0
SL4561S	WB42 D-569190	61	28	18	-158	-27	-2	0.3	15	1.0	2.0

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	P-%-S	Ti-%-S	Ag-ppm-S	As-ppm-S	Au-ppm-S	B-ppm-S	Ba-ppm-S
SL3001S	VM74 D-534136	0.2	1.0	0.5N	200N	10N	70	1000
SL3002S	VM74 D-534137	0.5	1G	0.5N	200N	10N	150	1500
SL3003S	VM74 D-534138	0.2L	0.7	0.5N	200N	10N	50	1000
SL3004S	VM74 D-534139	0.2L	1G	0.5N	200N	10N	70	700
SL3005S	VM74 D-534140	0.2L	1G	0.5N	200N	10N	30	700
SL3006S	VM74 D-534141	0.2N	1.0	0.5N	200N	10N	70	700
SL3007S	VM74 D-534142	0.2N	1.0	0.5N	200N	10N	70	1000
SL3008S	VM74 D-534143	0.2N	1.0	0.5N	200N	10N	100	500
SL3009S	VM74 D-534144	0.2N	1.0	0.5N	200N	10N	70	1000
SL3010S	VM74 D-534145	0.2N	1.0	0.5N	200N	10N	50	700
SL3011S	VM74 D-534146	0.2N	1.0	0.5N	200N	10N	100	1000
SL3012S	VM74 D-534147	0.2N	0.7	0.5N	200N	10N	70	700
SL3013S	VM74 D-534148	0.2N	0.7	0.5N	200N	10N	50	500
SL3014S	VM74 D-534149	0.2N	1.0	0.5N	200N	10N	70	300
SL3015S	VM74 D-534150	0.2N	1.0	0.5N	200N	10N	100	500
SL3016S	VM74 D-534151	0.2N	0.7	0.5N	200N	10N	30	500
SL3017S	VM74 D-534152	0.2N	1.0	0.5N	200N	10N	50	700
SL3018S	VM74 D-534153	0.2N	1.0	0.5N	200N	10N	70	700
SL3019S	VM74 D-534154	0.2N	0.7	0.5N	200N	10N	50	500
SL3020S	VM74 D-534155	0.2N	1.0	0.5N	200N	10N	50	700
SL3021S	VM74 D-534156	0.2N	1.0	0.5N	200N	10N	50	700
SL3022S	VM74 D-534157	0.2L	1.0	0.5N	200N	10N	70	1000
SL3023S	VM74 D-534158	0.2	0.7	0.5N	200N	10N	70	500
SL3024S	VM74 D-534159	0.2	1.0	0.5N	200N	10N	500	700
SL3025S	VM74 D-534160	0.2L	0.7	0.5N	200N	10N	200	500
SL3026S	VM74 D-534161	0.2N	1.0	0.5N	200N	10N	50	700
SL3027S	VM74 D-534162	0.2N	0.7	0.5N	200N	10N	150	700
SL3028S	VM74 D-534163	0.2N	1.0	0.5N	200N	10N	500	700
SL3029S	VM74 D-534164	0.2L	1.0	0.5N	200N	10N	300	500
SL3030S	VM74 D-534165	0.2N	1.0	0.5N	200N	10N	300	500
SL3031S	VM74 D-534166	0.2N	1.0	0.5N	200N	10N	500	300
SL3032S	VM74 D-534167	0.2L	1.0	0.5N	200L	10N	700	500
SL3033S	VM74 D-534168	0.2L	1.0	0.5N	200N	10N	150	500
SL3034S	VM74 D-534169	0.2N	1.0	0.5N	200N	10N	70	500
SL3035S	VM74 D-534170	0.2N	1.0	0.5N	200N	10N	70	700
SL3036S	VM74 D-534171	0.2L	0.7	0.5N	200N	10N	20	300
SL3037S	VM74 D-534172	0.2N	1.0	0.5N	200N	10N	70	1000
SL3038S	VM74 D-534173	0.2L	0.7	0.5N	200N	10N	50	700
SL3039S	VM74 D-534174	0.2N	0.7	0.5N	200N	10N	50	1000
SL3040S	VM74 D-534175	0.2L	0.5	0.5N	200N	10N	70	700
SL3041S	VM75 D-534176	0.2N	0.7	0.5N	200N	10N	70	700
SL3042S	VM75 D-534177	0.2N	1.0	0.5N	200N	10N	150	700
SL3043S	VM75 D-534178	0.2N	0.7	0.5N	200N	10N	70	500
SL3044S	VM75 D-534179	0.2N	1.0	0.5N	200N	10N	100	500
SL3045S	VM75 D-534180	0.2N	0.7	0.5N	200N	10N	50	700
SL3046S	VM75 D-534181	0.2N	1.0	0.5N	200N	10N	70	500

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	P-%-S	Ti-%-S	Ag-ppm-S	As-ppm-S	Au-ppm-S	B-ppm-S	Ba-ppm-S
SL3047S	VM75 D-534182	0.2N	1.0	0.5N	200N	10N	70	700
SL3048S	VM75 D-534183	0.2N	1.0	0.5N	200N	10N	100	300
SL3049S	VM75 D-534184	0.2N	1.0	0.5N	200N	10N	50	1000
SL3050S	VM75 D-534185	0.2N	1.0	0.5N	200N	10N	100	1500
SL3051S	VM75 D-534186	0.2N	1.0	0.5N	200N	10N	150	1000
SL3052S	VM75 D-534187	0.2N	1.0	0.5N	200N	10N	70	1000
SL3053S	VM75 D-534188	0.2N	0.7	0.5N	200N	10N	200	2000
SL3054S	VM75 D-534189	0.2N	1.0	0.5N	200N	10N	100	1500
SL3055S	VM75 D-534190	0.2N	1.0	0.5N	200N	10N	150	1000
SL3056S	VM75 D-534191	0.2N	1.0	0.5N	200N	10N	500	700
SL3057S	VM75 D-534192	0.2L	1.0	0.5N	200L	10N	700	500
SL3058S	VM75 D-534193	0.2N	0.7	0.5N	200N	10N	50	1000
SL3059S	VM75 D-534194	0.2N	0.7	0.5N	200N	10N	70	500
SL3060S	VM75 D-534195	0.2L	1.0	0.5N	200N	10N	200	700
SL3061S	VM75 D-534196	0.2N	1.0	0.5N	200N	10N	500	700
SL3064S	VM92 D-534500	0.2L	1.0	0.5N	200N	10N	1000	300
SL3065S	VM92 D-534501	0.2L	1G	0.5N	200N	10N	700	500
SL3066S	VM92 D-534502	0.2N	0.7	0.5N	200L	10N	1000	300
SL3067S	VM92 D-534503	0.2N	1.0	0.5N	200N	10N	500	300
SL3068S	VM92 D-534504	0.2N	1.0	0.5N	200N	10N	100	300
SL3069S	VM92 D-534505	0.2N	0.5	0.5N	200N	10N	150	200
SL3070S	VM92 D-534506	0.2N	0.7	0.5N	200N	10N	100	500
SL3071S	VM92 D-534507	0.2N	1.0	0.5N	200N	10N	70	200
SL3072S	VM92 D-534508	0.2N	1.0	0.5N	200N	10N	70	300
SL3073S	VM92 D-534509	0.2N	1.0	0.5N	200N	10N	50	700
SL3074S	VM92 D-534510	0.2N	1G	0.5N	200N	10N	200	700
SL3075S	VM92 D-534511	0.2L	1G	0.5N	200N	10N	70	500
SL3076S	VM92 D-534512	0.2N	0.5	0.5N	200N	10N	50	1000
SL3077S	VM92 D-534513	0.2L	1.0	0.5N	200N	10N	50	700
SL3078S	VM92 D-534514	0.2N	0.7	0.5N	200N	10N	30	500
SL3079S	VM92 D-534515	0.2L	1.0	0.5L	200N	10N	700	500
SL3080S	VM92 D-534516	0.2L	1.0	0.5N	200N	10N	70	500
SL3081S	VM92 D-534517	0.2N	1.0	0.5N	200N	10N	200	300
SL3082S	VM92 D-534518	0.2	1.0	0.5N	200N	10N	150	500
SL3083S	VM92 D-534519	0.2N	1.0	0.5N	200N	10N	100	700
SL3084S	VM92 D-534520	0.2N	1.0	0.5N	200N	10N	100	300
SL3085S	VM92 D-534521	0.2N	1.0	0.5N	200N	10N	150	300
SL3086S	VM92 D-534522	0.2L	1.0	0.5N	200N	10N	500	300
SL3087S	VM92 D-534523	0.2N	1.0	0.5N	200N	10N	70	300
SL3088S	VM92 D-534524	0.2N	1G	0.5N	200N	10N	150	300
SL3089S	VM92 D-534525	0.2N	1G	0.5N	200N	10N	100	200
SL3090S	VM92 D-534526	0.2N	1.0	0.5N	200N	10N	100	700
SL3091S	VM92 D-534527	0.2N	1.0	0.5N	200N	10N	100	500
SL3092S	VM92 D-534528	0.2N	1.0	0.5N	200N	10N	70	500
SL3093S	VM92 D-534529	0.2N	1G	0.5N	200N	10N	70	300
SL3094S	VM92 D-534530	0.2N	1.0	0.5N	200N	10N	200	300

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	P-%-S	Ti-%-S	Ag-ppm-S	As-ppm-S	Au-ppm-S	B-ppm-S	Ba-ppm-S
SL3095S	VM92 D-534531	0.2N	1.0	0.5N	200N	10N	100	200
SL3096S	VM92 D-534532	0.2N	1G	0.5N	200N	10N	70	200
SL3097S	VM92 D-534533	0.2N	1G	0.5N	200N	10N	1000	300
SL3098S	VM92 D-534534	0.2N	1.0	0.5N	200N	10N	300	500
SL3099S	VM92 D-534535	0.2N	1.0	0.5N	200N	10N	1000	200
SL3101S	VM75 D-534197	0.2N	1G	0.5N	200N	10N	70	1500
SL3102S	VM75 D-534198	0.2N	1.0	0.5N	200N	10N	70	1000
SL3103S	VM75 D-534199	0.2N	1G	0.5N	200N	10N	100	1500
SL3104S	VM75 D-534200	0.2N	1.0	0.5N	200N	10N	70	700
SL3105S	VM75 D-534201	0.2N	1G	0.5N	200N	10N	100	1000
SL3106S	VM75 D-534202	0.2N	1.0	0.5N	200N	10N	70	1000
SL3107S	VM75 D-534203	0.2N	0.7	0.5N	200N	10N	70	700
SL3108S	VM75 D-534204	0.2N	1.0	0.5N	200N	10N	50	1000
SL3109S	VM75 D-534205	0.2N	1.0	0.5N	200N	10N	50	1000
SL3110S	VM75 D-534206	0.2N	1.0	0.5N	200N	10N	50	700
SL3111S	VM75 D-534207	0.2N	1.0	0.5N	200N	10N	100	1500
SL3112S	VM75 D-534208	0.2N	1.0	0.5N	200N	10N	70	1000
SL3113S	VM75 D-534209	0.2N	1.0	0.5N	200N	10N	70	1000
SL3114S	VM75 D-534210	0.2N	1.0	0.5N	200N	10N	50	700
SL3115S	VM75 D-534211	0.2L	1G	0.5N	200N	10N	50	1000
SL3116S	VM75 D-534212	0.2L	1.0	0.5N	200N	10N	200	1000
SL3117S	VM75 D-534213	0.2N	1.0	0.5N	200	10N	700	700
SL3118S	VM75 D-534214	0.2N	1G	0.5N	200L	10N	1000	500
SL3119S	VM75 D-534215	0.2L	1.0	0.5N	200N	10N	70	300
SL3120S	VM76 D-534216	0.2L	0.7	0.5N	200N	10N	150	700
SL3121S	VM76 D-534217	0.2	1.0	0.5N	200N	10N	1000	500
SL3122S	VM76 D-534218	0.2L	1.0	0.5N	200N	10N	500	500
SL3123S	VM76 D-534219	0.2	1.0	0.5N	200N	10N	200	700
SL3124S	VM76 D-534220	0.2L	1.0	0.5N	200N	10N	70	700
SL3125S	VM76 D-534221	0.2N	1.0	0.5N	200N	10N	70	500
SL3126S	VM76 D-534222	0.2L	1.0	0.5N	200N	10N	50	500
SL3127S	VM76 D-534223	0.2L	1.0	0.5N	200N	10N	50	500
SL3128S	VM76 D-534224	0.2L	1.0	0.5N	200N	10N	70	500
SL3129S	VM76 D-534225	0.2N	1.0	0.5N	200N	10N	50	300
SL3130S	VM76 D-534226	0.2L	1.0	0.5N	200N	10N	70	1500
SL3131S	VM76 D-534227	0.2N	1.0	0.5N	200N	10N	150	700
SL3132S	VM76 D-534228	0.2N	1G	0.5N	200N	10N	150	500
SL3133S	VM76 D-534229	0.2N	1.0	0.5N	200N	10N	100	1000
SL3134S	VM76 D-534230	0.2L	1.0	0.5N	200N	10N	50	700
SL3135S	VM76 D-534231	0.2N	1.0	0.5N	200N	10N	100	700
SL3136S	VM76 D-534232	0.2L	0.7	0.5N	200N	10N	50	700
SL3137S	VM76 D-534233	0.2N	0.7	0.5N	200N	10N	50	500
SL3138S	VM76 D-534234	0.2	1.0	0.5N	200N	10N	70	500
SL3139S	VM76 D-534235	0.2	0.5	0.5N	200N	10N	70	700
SL3140S	VM76 D-534236	0.2N	1.0	0.5N	200N	10N	70	1000
SL3141S	VM76 D-534237	0.2N	0.7	0.5N	200N	10N	50	700

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	P-%-S	Ti-%-S	Ag-ppm-S	As-ppm-S	Au-ppm-S	B-ppm-S	Ba-ppm-S
SL3142S	VM76 D-534238	0.2N	1.0	0.5N	200N	10N	200	1000
SL3143S	VM76 D-534239	0.2L	1.0	0.5N	200N	10N	50	500
SL3144S	VM76 D-534240	0.2N	1.0	0.5N	200N	10N	100	500
SL3145S	VM76 D-534241	0.2N	1.0	0.5N	200N	10N	70	500
SL3146S	VM76 D-534242	0.2L	1.0	0.5N	200N	10N	200	500
SL3147S	VM76 D-534243	0.2L	1.0	0.5N	200N	10N	300	700
SL3148S	VM76 D-534244	0.2N	1.0	0.5N	200N	10N	1000	700
SL3149S	VM92 D-534536	0.2N	1.0	0.5N	200N	10N	50	500
SL3150S	VM92 D-534537	0.2N	1.0	0.5N	200N	10N	50	500
SL3151S	VM93 D-534538	0.2N	0.7	0.5N	200N	10N	30	700
SL3152S	VM93 D-534539	0.2N	1G	0.5N	200N	10N	30	300
SL3153S	VM93 D-534540	0.2N	0.5	0.5N	200N	10N	30	1000
SL3154S	VM93 D-534541	0.2N	0.7	0.5N	200N	10N	20	500
SL3155S	VM93 D-534542	0.2N	1.0	0.5N	200N	10N	50	700
SL3156S	VM93 D-534543	0.2N	1.0	0.5N	200N	10N	500	500
SL3157S	VM93 D-534544	0.2N	1.0	0.5N	200N	10N	300	500
SL3158S	VM93 D-534545	0.2N	1.0	0.5N	200N	10N	50	500
SL3159S	VM93 D-534546	0.2N	1.0	0.5N	200N	10N	70	300
SL3160S	VM93 D-534547	0.2N	0.7	0.5N	200N	10N	30	500
SL3161S	VM93 D-534548	0.2N	1.0	0.5N	200N	10N	70	500
SL3200S	VM76 D-534245	0.2N	1.0	0.5N	200N	10N	70	1000
SL3201S	VM76 D-534246	0.2N	1.0	0.5N	200N	10N	70	700
SL3202S	VM76 D-534247	0.2N	1.0	0.5N	200N	10N	50	700
SL3203S	VM76 D-534248	0.2N	1.0	0.5N	200N	10N	100	500
SL3204S	VM76 D-534249	0.2N	1.0	0.5N	200N	10N	100	700
SL3205S	VM76 D-534250	0.2N	1.0	0.5N	200N	10N	70	700
SL3206S	VM76 D-534251	0.2N	1.0	0.5N	200N	10N	100	1000
SL3207S	VM76 D-534252	0.2N	1.0	0.5N	200N	10N	70	700
SL3208S	VM76 D-534253	0.2N	0.7	0.5N	200N	10N	30	700
SL3209S	VM76 D-534254	0.2N	0.7	0.5L	200N	10N	50	700
SL3210S	VM76 D-534255	0.2N	1.0	0.5N	200N	10N	50	700
SL3211S	VM77 D-534256	0.2N	1.0	0.5N	200N	10N	50	1000
SL3212S	VM77 D-534257	0.2N	1.0	0.5N	200N	10N	200	700
SL3213S	VM77 D-534258	0.2N	1.0	0.5N	200N	10N	200	700
SL3214S	VM77 D-534259	0.2L	1.0	0.5N	200N	10N	70	700
SL3215S	VM77 D-534260	0.2N	1.0	0.5N	200L	10N	700	700
SL3216S	VM77 D-534261	0.2N	1.0	0.5N	200N	10N	700	700
SL3217S	VM77 D-534262	0.2N	1.0	0.5N	200N	10N	200	700
SL3218S	VM77 D-534263	0.2L	1.0	0.5N	200N	10N	70	500
SL3219S	VM77 D-534264	0.2L	1.0	0.5N	200N	10N	70	1000
SL3220S	VM77 D-534265	0.2N	1.0	0.5N	200N	10N	50	700
SL3221S	VM77 D-534266	0.2N	1.0	0.5N	200N	10N	100	500
SL3222S	VM77 D-534267	0.2N	1.0	0.5N	200N	10N	70	500
SL3223S	VM77 D-534268	0.2N	1.0	0.5N	200N	10N	100	1000
SL3224S	VM77 D-534269	0.2N	1.0	0.5N	200N	10N	70	500
SL3225S	VM77 D-534270	0.2N	1.0	0.5N	200N	10N	70	700

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	P-%-S	Ti-%-S	Ag-ppm-S	As-ppm-S	Au-ppm-S	B-ppm-S	Ba-ppm-S
SL3226S	VM77 D-534271	0.2N	1.0	0.5N	200N	10N	50	500
SL3227S	VM77 D-534272	0.2N	1.0	0.5N	200N	10N	50	500
SL3228S	VM77 D-534273	0.2N	0.7	0.5N	200N	10N	70	700
SL3229S	VM77 D-534274	0.2N	1.0	0.5N	200N	10N	50	1000
SL3230S	VM77 D-534275	0.2N	0.7	0.5N	200N	10N	30	700
SL3231S	VM77 D-534276	0.2N	1.0	0.5N	200N	10N	70	700
SL3232S	VM77 D-534277	0.2N	1.0	0.5N	200N	10N	70	700
SL3233S	VM77 D-534278	0.2N	0.7	0.5N	200N	10N	50	1000
SL3234S	VM77 D-534279	0.2L	0.5	0.5N	200N	10N	50	700
SL3235S	VM77 D-534280	0.2N	1.0	0.5N	200N	10N	70	1000
SL3236S	VM77 D-534281	0.2N	1.0	0.5N	200N	10N	50	1000
SL3237S	VM77 D-534282	0.2N	1.0	0.5N	200N	10N	50	1000
SL3238S	VM77 D-534283	0.2N	1G	0.5N	200	10N	500	500
SL3239S	VM77 D-534284	0.2N	0.7	0.5N	200N	10N	50	700
SL3240S	VM77 D-534285	0.2N	1.0	0.5N	200N	10N	50	300
SL3241S	VM93 D-534549	0.2N	1.0	0.5N	200N	10N	30	200
SL3242S	VM93 D-534550	0.2N	1G	0.5N	200N	10N	200	500
SL3243S	VM93 D-534551	0.2N	0.7	0.5N	200N	10N	150	500
SL3244S	VM93 D-534552	0.2N	1G	0.5N	200N	10N	100	300
SL3245S	VM93 D-534553	0.2L	1G	0.5N	200N	10N	150	700
SL3246S	VM93 D-534554	0.2N	0.7	0.5N	200N	10N	30	500
SL3247S	VM93 D-534555	0.2N	1.0	0.5N	200N	10N	100	500
SL3248S	VM93 D-534556	0.2N	1.0	0.5N	200N	10N	100	200
SL3249S	VM93 D-534557	0.2L	1.0	0.5N	200L	10N	500	200
SL3250S	VM93 D-534558	0.2N	0.7	0.5N	200N	10N	100	500
SL3251S	VM93 D-534559	0.2L	0.5	0.5N	200N	10N	50	300
SL3252S	VM93 D-534560	0.2N	1.0	0.5N	200N	10N	50	500
SL3253S	VM93 D-534561	0.2N	1.0	0.5N	200N	10N	50	300
SL3254S	VM93 D-534562	0.2N	0.7	0.5N	200N	10N	30	200
SL3255S	VM93 D-534563	0.2N	1.0	0.5N	200N	10N	50	300
SL3256S	VM93 D-534564	0.2N	1.0	0.5N	200N	10N	70	300
SL3257S	VM93 D-534565	0.2N	1.0	0.5N	200N	10N	70	500
SL3258S	VM93 D-534566	0.2N	0.7	0.5N	200N	10N	200	300
SL3259S	VM93 D-534567	0.2N	1.0	0.5N	200N	10N	150	500
SL3260S	VM93 D-534568	0.2N	1.0	0.5N	200N	10N	300	200
SL3261S	VM93 D-534569	0.2N	1.0	0.5N	200N	10N	700	300
SL3262S	VM93 D-534570	0.2L	1G	0.5N	200N	10N	150	300
SL3263S	VM93 D-534571	0.2L	1G	0.5N	200N	10N	30	700
SL3264S	VM93 D-534572	0.2N	0.7	0.5N	200N	10N	500	500
SL3265S	VM93 D-534573	0.2N	1.0	0.5N	200N	10N	300	500
SL3266S	VM93 D-534574	0.2L	1.0	0.5N	300	10N	300	500
SL3267S	VM93 D-534575	0.2N	1.0	0.5N	200N	10N	500	300
SL3268S	VM93 D-534576	0.2N	1.0	0.5N	200L	10N	500	300
SL3269S	VM93 D-534577	0.2N	1.0	0.5N	200N	10N	150	200
SL3301S	VM77 D-534286	0.2N	1.0	0.5N	200N	10N	100	700
SL3302S	VM77 D-534287	0.2N	1.0	0.5N	200N	10N	70	500

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	P-%-S	Ti-%-S	Ag-ppm-S	As-ppm-S	Au-ppm-S	B-ppm-S	Ba-ppm-S
SL3303S	VM77 D-534288	0.2N	1.0	0.5N	200N	10N	50	500
SL3304S	VM77 D-534289	0.2N	1G	0.5N	200N	10N	70	500
SL3305S	VM77 D-534290	0.2N	1G	0.5N	200N	10N	100	500
SL3306S	VM77 D-534291	0.2N	1G	0.5N	200N	10N	100	700
SL3307S	VM77 D-534292	0.2N	1.0	0.5N	200N	10N	50	300
SL3308S	VM77 D-534293	0.2N	0.7	0.5N	200N	10N	500	500
SL3309S	VM77 D-534294	0.2N	1.0	0.5N	200N	10N	500	500
SL3310S	VM77 D-534295	0.2N	1.0	0.5N	200N	10N	70	500
SL3311S	VM78 D-534296	0.2L	0.7	0.5N	200N	10N	500	700
SL3312S	VM78 D-534297	0.2N	1.0	0.5N	200N	10N	150	500
SL3313S	VM78 D-534298	0.2L	1.0	0.5L	200L	10N	1000	700
SL3314S	VM78 D-534299	0.2	1.0	0.5N	300	10N	700	700
SL3315S	VM78 D-534300	0.2N	0.7	0.5N	200N	10N	200	500
SL3316S	VM78 D-534301	0.2N	1.0	0.5N	200N	10N	700	500
SL3317S	VM78 D-534302	0.2L	1.0	0.5N	200N	10N	100	700
SL3318S	VM78 D-534303	0.2N	1.0	0.5N	200N	10N	100	1000
SL3319S	VM78 D-534304	0.2N	1.0	0.5N	200N	10N	70	500
SL3320S	VM78 D-534305	0.2N	0.7	0.5N	200N	10N	100	1000
SL3321S	VM78 D-534306	0.2N	1.0	0.5N	200N	10N	70	700
SL3322S	VM78 D-534307	0.2N	0.7	0.5N	200N	10N	70	300
SL3323S	VM78 D-534308	0.2N	0.7	0.5N	200N	10N	70	500
SL3324S	VM78 D-534309	0.2N	1.0	0.5N	200N	10N	50	1000
SL3325S	VM78 D-534310	0.2N	1.0	0.5N	200N	10N	50	500
SL3326S	VM78 D-534311	0.2N	1.0	0.5N	200N	10N	30	200
SL3327S	VM78 D-534312	0.2N	0.7	0.5N	200N	10N	50	700
SL3328S	VM78 D-534313	0.2N	1.0	0.5N	200N	10N	70	500
SL3329S	VM78 D-534314	0.2N	1.0	0.5N	200N	10N	50	1000
SL3330S	VM78 D-534315	0.2N	1.0	0.5N	200N	10N	70	200
SL3331S	VM78 D-534316	0.2L	0.7	0.5N	200N	10N	70	700
SL3332S	VM78 D-534317	0.2N	1.0	0.5N	200N	10N	100	700
SL3333S	VM78 D-534318	0.2N	1.0	0.5N	200N	10N	100	500
SL3334S	VM78 D-534319	0.2N	0.7	0.5N	200N	10N	70	1000
SL3335S	VM78 D-534320	0.2N	1.0	0.5N	200N	10N	100	500
SL3336S	VM78 D-534321	0.2L	1.0	0.5N	200N	10N	20	700
SL3337S	VM78 D-534322	0.2N	0.7	0.5N	200N	10N	20	700
SL3338S	VM78 D-534323	0.2N	1.0	0.5N	200N	10N	200	500
SL3339S	VM78 D-534324	0.2N	1.0	0.5N	200N	10N	200	700
SL3340S	VM78 D-534325	0.2N	1.0	0.5N	200N	10N	150	1000
SL3341S	VM78 D-534326	0.2N	1.0	0.5N	200N	10N	100	500
SL3342S	VM78 D-534327	0.2N	1.0	0.5N	200N	10N	150	500
SL3343S	VM78 D-534328	0.2L	1.0	0.5N	200N	10N	1000	700
SL3344S	VM78 D-534329	0.2N	1.0	0.5N	200N	10N	70	300
SL3345S	VM78 D-534330	0.2N	1.0	0.5N	200N	10N	50	300
SL3346S	VM94 D-534578	0.2N	1.0	0.5N	200N	10N	70	500
SL3347S	VM94 D-534579	0.2N	1G	0.5N	200N	10N	70	500
SL3348S	VM94 D-534580	0.2N	1.0	0.5N	200N	10N	50	700

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	P-%-S	Ti-%-S	Ag-ppm-S	As-ppm-S	Au-ppm-S	B-ppm-S	Ba-ppm-S
SL3349S	VM94 D-534581	0.2N	1G	0.5N	200N	10N	50	500
SL3350S	VM94 D-534582	0.2N	1G	0.5N	200N	10N	50	700
SL3351S	VM94 D-534583	0.2N	1.0	0.5N	200N	10N	30	700
SL3352S	VM94 D-534584	0.2N	0.7	0.5N	200N	10N	20	500
SL3353S	VM94 D-534585	0.2L	0.7	0.5	200N	10N	500	500
SL3354S	VM94 D-534586	0.2N	1.0	0.5N	200N	10N	100	300
SL3355S	VM94 D-534587	0.2N	1.0	0.5N	200N	10N	200	500
SL3356S	VM94 D-534588	0.2N	1.0	0.5N	200N	10N	50	500
SL3357S	VM94 D-534589	0.2N	1.0	0.5N	200N	10N	30	300
SL3358S	VM94 D-534590	0.2N	0.7	0.5N	200N	10N	20	500
SL3359S	VM94 D-534591	0.2N	1.0	0.5N	200N	10N	150	700
SL3360S	VM94 D-534592	0.2N	1.0	0.5N	200N	10N	100	300
SL3361S	VM94 D-534593	0.2N	1.0	0.5N	200N	10N	50	700
SL3362S	VM94 D-534594	0.2N	1.0	0.5N	200N	10N	500	500
SL3363S	VM94 D-534595	0.2N	1.0	0.5N	200N	10N	200	500
SL3364S	VM94 D-534596	0.2N	1.0	0.5N	200N	10N	100	200
SL3365S	VM94 D-534597	0.2N	1.0	0.5N	200N	10N	500	500
SL3366S	VM94 D-534598	0.2N	1.0	0.5N	200N	10N	150	300
SL3367S	VM94 D-534599	0.2N	1.0	0.5L	200N	10N	200	300
SL4501S	WB41 D-569127	0.2N	1G	0.5N	200N	10N	70	700
SL4502S	WB41 D-569128	0.2N	1.0	0.5N	200N	10N	50	700
SL4503S	WB41 D-569129	0.2N	1G	0.5N	200N	10N	70	500
SL4504S	WB41 D-569130	0.2N	1.0	0.5N	200N	10N	50	500
SL4505S	WB41 D-569131	0.2N	1G	0.5N	200N	10N	100	1000
SL4506S	WB41 D-569132	0.2N	1.0	0.5N	200N	10N	70	700
SL4507S	WB41 D-569133	0.2N	1.0	0.5N	200N	10N	70	500
SL4508S	WB41 D-569134	0.2N	1.0	0.5N	200N	10N	200	300
SL4509S	WB41 D-569135	0.2N	0.7	0.5N	200N	10N	150	500
SL4510S	WB41 D-569136	0.2N	0.7	0.5N	200N	10N	70	500
SL4511S	WB41 D-569137	0.2N	0.7	0.5N	200L	10N	500	300
SL4512S	WB41 D-569138	0.2N	1.0	0.5N	200	10N	500	700
SL4513S	WB41 D-569139	0.2N	1.0	0.5N	200N	10N	150	700
SL4514S	WB41 D-569140	0.2N	0.7	0.5N	200N	10N	150	500
SL4515S	WB41 D-569141	0.2N	0.7	0.5N	200N	10N	100	1000
SL4516S	WB41 D-569142	0.2N	1.0	0.5N	200N	10N	70	700
SL4517S	WB41 D-569143	0.2N	0.7	0.5N	200N	10N	50	700
SL4518S	WB41 D-569144	0.2N	1G	0.5N	200N	10N	70	1000
SL4519S	WB41 D-569145	0.2N	0.7	0.5N	200N	10N	70	1000
SL4520S	WB41 D-569146	0.2N	1.0	0.5N	200N	10N	100	1000
SL4521S	WB41 D-569147	0.2N	0.5	0.5N	200N	10N	70	700
SL4522S	WB41 D-569148	0.2N	0.7	0.5N	200N	10N	70	500
SL4523S	WB41 D-569149	0.2N	1.0	0.5N	200N	10N	70	500
SL4524S	WB41 D-569150	0.2N	0.7	0.5N	200N	10N	50	700
SL4525S	WB41 D-569152	0.2N	1.0	0.5N	200N	10N	50	500
SL4526S	WB41 D-569153	0.2N	0.5	0.5N	200N	10N	50	300
SL4527S	WB41 D-569154	0.2N	0.7	0.5N	200N	10N	30	300

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	P-%-S	Ti-%-S	Ag-ppm-S	As-ppm-S	Au-ppm-S	B-ppm-S	Ba-ppm-S
SL4528S	WB41 D-569155	0.2N	0.7	0.5N	200N	10N	50	500
SL4529S	WB41 D-569156	0.2N	0.7	0.5N	200N	10N	100	1000
SL4530S	WB41 D-569157	0.2N	1.0	0.5N	200N	10N	70	1000
SL4531S	WB42 D-569158	0.2N	1.0	0.5N	200N	10N	70	500
SL4532S	WB42 D-569159	0.2N	1.0	0.5N	200N	10N	70	700
SL4533S	WB42 D-569160	0.2N	1.0	0.5N	200N	10N	50	300
SL4534S	WB42 D-569161	0.2N	0.7	0.5N	200N	10N	70	500
SL4535S	WB42 D-569162	0.2N	1G	0.5N	200N	10N	100	1000
SL4536S	WB42 D-569163	0.2N	1.0	0.5N	200N	10N	70	500
SL4537S	WB42 D-569164	0.2N	1.0	0.5N	200N	10N	100	700
SL4538S	WB42 D-569165	0.2N	1.0	0.5N	200N	10N	70	500
SL4539S	WB42 D-569166	0.2N	1.0	0.5N	200N	10N	150	500
SL4540S	WB42 D-569167	0.2N	1.0	0.5N	200N	10N	200	300
SL4541S	WB42 D-569168	0.2N	1.0	0.5N	200N	10N	100	300
SL4542S	WB42 D-569169	0.2N	1.0	0.5N	200N	10N	150	1000
SL4543S	WB42 D-569170	0.2N	1.0	0.5N	200N	10N	70	700
SL4544S	WB42 D-569171	0.2N	0.7	0.5N	200N	10N	100	1000
SL4545S	WB42 D-569172	0.2N	1G	0.5N	200N	10N	70	700
SL4546S	WB42 D-569173	0.2N	0.7	0.5N	200N	10N	200	300
SL4547S	WB42 D-569174	0.2N	1.0	0.5N	200N	10N	150	500
SL4548S	WB42 D-569175	0.2N	1.0	0.5N	200N	10N	100	500
SL4549S	WB42 D-569176	0.2N	1.0	0.5N	200N	10N	70	700
SL4550S	WB42 D-569177	0.2N	1.0	0.5N	200N	10N	200	500
SL4551S	WB42 D-569179	0.2N	1.0	0.5N	200N	10N	150	500
SL4552S	WB42 D-569180	0.2N	1.0	0.5N	200N	10N	300	700
SL4553S	WB42 D-569181	0.2N	1.0	0.5N	200N	10N	50	700
SL4554S	WB42 D-569182	0.2N	0.5	0.5N	200N	10N	30	1000
SL4555S	WB42 D-569183	0.2N	1.0	0.5N	200N	10N	30	700
SL4556S	WB42 D-569184	0.2N	1.0	0.5N	200N	10N	30	1000
SL4557S	WB42 D-569185	0.2N	0.5	0.5N	200N	10N	20	700
SL4558S	WB42 D-569186	0.2N	0.7	0.5N	200N	10N	50	700
SL4559S	WB42 D-569187	0.2N	0.5	0.5N	200N	10N	70	1000
SL4560S	WB42 D-569189	0.2N	1.0	0.5N	200N	10N	50	700
SL4561S	WB42 D-569190	0.2N	1.0	0.5N	200N	10N	30	700

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Be-ppm-S	Bi-ppm-S	Cd-ppm-S	Co-ppm-S	Cr-ppm-S	Cu-ppm-S	Ga-ppm-S
SL3001S	VM74 D-534136	1.5	10N	20N	30	1500	20	20
SL3002S	VM74 D-534137	2.0	10N	20N	15	700	50	50
SL3003S	VM74 D-534138	1.0	10N	20N	15	200	30	15
SL3004S	VM74 D-534139	1L	10N	20N	20	300	20	20
SL3005S	VM74 D-534140	2.0	10N	20N	15	300	30	50
SL3006S	VM74 D-534141	1.0	10N	20N	20	150	20	30
SL3007S	VM74 D-534142	1.0	10N	20N	20	200	30	30
SL3008S	VM74 D-534143	1.5	10N	20N	20	500	20	20
SL3009S	VM74 D-534144	1.0	10N	20N	20	150	30	30
SL3010S	VM74 D-534145	1.0	10N	20N	15	200	15	15
SL3011S	VM74 D-534146	1.0	10N	20N	30	150	30	30
SL3012S	VM74 D-534147	1.0	10N	20N	20	200	20	15
SL3013S	VM74 D-534148	1L	10N	20N	15	300	20	15
SL3014S	VM74 D-534149	1.5	10N	20N	20	700	30	30
SL3015S	VM74 D-534150	1.0	10N	20N	20	150	15	20
SL3016S	VM74 D-534151	1L	10N	20N	15	150	20	20
SL3017S	VM74 D-534152	1L	10N	20N	20	300	15	20
SL3018S	VM74 D-534153	1.5	10N	20N	15	100	20	20
SL3019S	VM74 D-534154	1.0	10N	20N	10	70	15	15
SL3020S	VM74 D-534155	1.0	10N	20N	20	70	20	50
SL3021S	VM74 D-534156	1.0	10N	20N	20	150	30	70
SL3022S	VM74 D-534157	1.5	10N	20N	20	150	30	50
SL3023S	VM74 D-534158	1.0	10N	20N	10N	15	15	10
SL3024S	VM74 D-534159	2.0	10N	20N	50	100	150	70
SL3025S	VM74 D-534160	3.0	10N	20N	10	15	20	30
SL3026S	VM74 D-534161	1.0	10N	20N	20	200	30	50
SL3027S	VM74 D-534162	3.0	10N	20N	10N	10	10	50
SL3028S	VM74 D-534163	2.0	10N	20N	10N	20	15	70
SL3029S	VM74 D-534164	10.0	10N	20N	10L	30	20	100
SL3030S	VM74 D-534165	3.0	10N	20N	10L	20	15	100
SL3031S	VM74 D-534166	2.0	10N	20N	10L	15	15	50
SL3032S	VM74 D-534167	2.0	10N	20N	30	70	200	50
SL3033S	VM74 D-534168	1.5	10N	20N	20	20	200	30
SL3034S	VM74 D-534169	1.0	10N	20N	10	30	50	30
SL3035S	VM74 D-534170	1.0	10N	20N	15	20	100	50
SL3036S	VM74 D-534171	1L	10N	20N	15	50	100	30
SL3037S	VM74 D-534172	1L	10N	20N	50	30	70	50
SL3038S	VM74 D-534173	1L	10N	20N	15	50	50	50
SL3039S	VM74 D-534174	1.0	10N	20N	20	50	30	70
SL3040S	VM74 D-534175	1.0	10N	20N	15	300	50	30
SL3041S	VM75 D-534176	1.0	10N	20N	20	70	30	20
SL3042S	VM75 D-534177	1.0	10N	20N	20	200	70	50
SL3043S	VM75 D-534178	1L	10N	20N	15	100	50	30
SL3044S	VM75 D-534179	1.0	10N	20N	10	150	50	30
SL3045S	VM75 D-534180	1L	10N	20N	10	30	20	20
SL3046S	VM75 D-534181	1L	10N	20N	15	50	50	50

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Be-ppm-S	Bi-ppm-S	Cd-ppm-S	Co-ppm-S	Cr-ppm-S	Cu-ppm-S	Ga-ppm-S
SL3047S	VM75 D-534182	1.0	10N	20N	15	50	50	30
SL3048S	VM75 D-534183	1L	10N	20N	10	50	70	50
SL3049S	VM75 D-534184	1.0	10N	20N	20	30	150	30
SL3050S	VM75 D-534185	1.5	10N	20N	20	20	200	30
SL3051S	VM75 D-534186	1.0	10N	20N	50	200	150	50
SL3052S	VM75 D-534187	1.5	10N	20N	30	30	150	30
SL3053S	VM75 D-534188	1L	10N	20N	10L	10	10	30
SL3054S	VM75 D-534189	1.0	10N	20N	15	50	70	30
SL3055S	VM75 D-534190	1L	10N	20N	20	70	70	70
SL3056S	VM75 D-534191	1.0	10N	20N	15	50	70	30
SL3057S	VM75 D-534192	1.0	10N	20N	10	30	50	50
SL3058S	VM75 D-534193	1.0	10N	20N	50	30	100	70
SL3059S	VM75 D-534194	1L	10N	20N	20	50	100	50
SL3060S	VM75 D-534195	1.5	10N	20N	30	30	50	50
SL3061S	VM75 D-534196	1.0	10N	20N	20	50	30	50
SL3064S	VM92 D-534500	1.5	10L	20N	15	50	20	30
SL3065S	VM92 D-534501	1.5	10N	20N	20	50	30	50
SL3066S	VM92 D-534502	2.0	15	20N	15	30	30	30
SL3067S	VM92 D-534503	1.5	10N	20N	30	100	30	50
SL3068S	VM92 D-534504	1.0	10N	20N	30	100	20	50
SL3069S	VM92 D-534505	1.0	10N	20N	10	30	15	50
SL3070S	VM92 D-534506	1.0	10N	20N	15	70	20	20
SL3071S	VM92 D-534507	1L	10N	20N	20	300	20	50
SL3072S	VM92 D-534508	1L	10N	20N	15	200	20	30
SL3073S	VM92 D-534509	1.0	10N	20N	10	100	15	50
SL3074S	VM92 D-534510	1.0	10N	20N	20	300	30	70
SL3075S	VM92 D-534511	1.0	10N	20N	20	500	50	30
SL3076S	VM92 D-534512	1.5	10N	20N	10L	50	10	15
SL3077S	VM92 D-534513	1.0	10N	20N	10	200	15	20
SL3078S	VM92 D-534514	1L	10N	20N	10	70	10	15
SL3079S	VM92 D-534515	3.0	10	20N	20	300	70	30
SL3080S	VM92 D-534516	1.0	10N	20N	20	200	30	30
SL3081S	VM92 D-534517	1.5	10N	20N	15	200	50	50
SL3082S	VM92 D-534518	5.0	10N	20N	50	500	100	50
SL3083S	VM92 D-534519	3.0	10N	20N	15	300	30	20
SL3084S	VM92 D-534520	1.0	10N	20N	15	50	30	50
SL3085S	VM92 D-534521	1.5	10N	20N	15	70	50	20
SL3086S	VM92 D-534522	2.0	10N	20N	20	50	100	50
SL3087S	VM92 D-534523	1.0	10N	20N	10	50	30	70
SL3088S	VM92 D-534524	10.0	10N	20N	20	700	70	50
SL3089S	VM92 D-534525	1.0	10N	20N	10	70	15	30
SL3090S	VM92 D-534526	1.0	10N	20N	10	100	100	30
SL3091S	VM92 D-534527	1L	10N	20N	30	100	200	50
SL3092S	VM92 D-534528	1.0	10N	20N	15	70	50	30
SL3093S	VM92 D-534529	1.0	10N	20N	20	70	100	50
SL3094S	VM92 D-534530	1L	10N	20N	20	50	70	50

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Be-ppm-S	Bi-ppm-S	Cd-ppm-S	Co-ppm-S	Cr-ppm-S	Cu-ppm-S	Ga-ppm-S
SL3095S	VM92 D-534531	1.0	10N	20N	15	70	70	20
SL3096S	VM92 D-534532	1L	10N	20N	20	70	100	50
SL3097S	VM92 D-534533	5.0	10L	20N	15	30	200	50
SL3098S	VM92 D-534534	7.0	10N	20N	20	30	100	70
SL3099S	VM92 D-534535	2.0	10N	20N	15	50	100	50
SL3101S	VM75 D-534197	1.0	10N	20N	15	500	15	30
SL3102S	VM75 D-534198	1L	10N	20N	10	700	15	15
SL3103S	VM75 D-534199	1.0	10N	20N	10	500	10	20
SL3104S	VM75 D-534200	1L	10N	20N	10	70	10	15
SL3105S	VM75 D-534201	1.0	10N	20N	20	200	20	20
SL3106S	VM75 D-534202	1L	10N	20N	20	200	30	30
SL3107S	VM75 D-534203	1L	10N	20N	15	300	15	15
SL3108S	VM75 D-534204	1.0	10N	20N	20	300	15	20
SL3109S	VM75 D-534205	1L	10N	20N	10	70	15	20
SL3110S	VM75 D-534206	1L	10N	20N	15	70	50	15
SL3111S	VM75 D-534207	1.0	10N	20N	15	500	30	30
SL3112S	VM75 D-534208	1.5	10N	20N	10	70	15	15
SL3113S	VM75 D-534209	1.5	10N	20N	10L	50	20	50
SL3114S	VM75 D-534210	1L	10N	20N	10L	50	10	10
SL3115S	VM75 D-534211	1.0	10N	20N	20	150	30	20
SL3116S	VM75 D-534212	3.0	10N	20N	10N	15	10	30
SL3117S	VM75 D-534213	2.0	10N	20N	50	30	100	50
SL3118S	VM75 D-534214	2.0	10L	20N	20	50	70	30
SL3119S	VM75 D-534215	5.0	10N	20N	10N	10	10	30
SL3120S	VM76 D-534216	1.0	10N	20N	15	30	50	30
SL3121S	VM76 D-534217	1.5	10N	20N	10	20	30	50
SL3122S	VM76 D-534218	1L	10N	20N	15	15	20	50
SL3123S	VM76 D-534219	2.0	10N	20N	20	70	70	50
SL3124S	VM76 D-534220	1.0	10N	20N	15	20	30	30
SL3125S	VM76 D-534221	1L	10N	20N	20	30	70	50
SL3126S	VM76 D-534222	1L	10N	20N	10	30	50	70
SL3127S	VM76 D-534223	1.0	10N	20N	10	30	30	20
SL3128S	VM76 D-534224	1.0	10N	20N	30	50	100	50
SL3129S	VM76 D-534225	1L	10N	20N	15	30	70	50
SL3130S	VM76 D-534226	1.0	10N	20N	50	50	100	30
SL3131S	VM76 D-534227	1.5	10N	20N	50	70	100	30
SL3132S	VM76 D-534228	1.5	10N	20N	30	150	100	70
SL3133S	VM76 D-534229	1L	10N	20N	10	10	15	30
SL3134S	VM76 D-534230	1.0	10N	20N	20	30	70	30
SL3135S	VM76 D-534231	1L	10N	20N	30	20	100	50
SL3136S	VM76 D-534232	1.0	10N	20N	20	10	70	30
SL3137S	VM76 D-534233	1L	10N	20N	30	30	100	50
SL3138S	VM76 D-534234	1.0	10N	20N	10N	15	20	15
SL3139S	VM76 D-534235	1.0	10N	20N	10N	10	10	50
SL3140S	VM76 D-534236	1.0	10N	20N	20	20	30	50
SL3141S	VM76 D-534237	1L	10N	20N	15	50	30	30

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Be-ppm-S	Bi-ppm-S	Cd-ppm-S	Co-ppm-S	Cr-ppm-S	Cu-ppm-S	Ga-ppm-S
SL3142S	VM76 D-534238	1.5	10N	20N	30	50	50	70
SL3143S	VM76 D-534239	1L	10N	20N	10L	15	20	20
SL3144S	VM76 D-534240	1.0	10N	20N	15	30	70	50
SL3145S	VM76 D-534241	1L	10N	20N	30	100	100	100
SL3146S	VM76 D-534242	1.5	10N	20N	10N	20	30	50
SL3147S	VM76 D-534243	1.5	10N	20N	10N	15	20	30
SL3148S	VM76 D-534244	1.5	10N	20N	15	70	70	30
SL3149S	VM92 D-534536	1L	10N	20N	10	70	20	50
SL3150S	VM92 D-534537	1.0	10N	20N	10	50	15	20
SL3151S	VM93 D-534538	1.0	10N	20N	10	30	10	20
SL3152S	VM93 D-534539	1L	10N	20N	30	500	20	50
SL3153S	VM93 D-534540	1.0	10N	20N	10L	15	7	15
SL3154S	VM93 D-534541	1L	10N	20N	20	50	10	20
SL3155S	VM93 D-534542	1L	10N	20N	10	30	15	20
SL3156S	VM93 D-534543	1.5	10N	20N	20	30	50	30
SL3157S	VM93 D-534544	1.0	10N	20N	20	100	50	70
SL3158S	VM93 D-534545	1L	10N	20N	10	50	30	20
SL3159S	VM93 D-534546	1.5	10N	20N	30	500	50	50
SL3160S	VM93 D-534547	1L	10N	20N	10	20	20	15
SL3161S	VM93 D-534548	1.0	10N	20N	15	30	30	50
SL3200S	VM76 D-534245	2.0	10N	20N	20	500	30	50
SL3201S	VM76 D-534246	1.0	10N	20N	15	300	20	50
SL3202S	VM76 D-534247	1L	10N	20N	20	500	30	30
SL3203S	VM76 D-534248	1.0	10N	20N	20	500	30	20
SL3204S	VM76 D-534249	1L	10N	20N	15	200	20	50
SL3205S	VM76 D-534250	1L	10N	20N	15	70	15	20
SL3206S	VM76 D-534251	1.5	10N	20N	15	70	20	30
SL3207S	VM76 D-534252	1.0	10N	20N	10	50	20	30
SL3208S	VM76 D-534253	1L	10N	20N	50	700	30	50
SL3209S	VM76 D-534254	3.0	10N	20N	10L	20	15	100
SL3210S	VM76 D-534255	1L	10N	20N	20	70	20	70
SL3211S	VM77 D-534256	1.0	10N	20N	15	70	30	50
SL3212S	VM77 D-534257	5.0	10N	20N	10L	15	10	70
SL3213S	VM77 D-534258	2.0	10N	20N	10	30	20	70
SL3214S	VM77 D-534259	1.5	10N	20N	10L	30	15	50
SL3215S	VM77 D-534260	1.5	10N	20N	15	20	100	50
SL3216S	VM77 D-534261	1.0	10N	20N	20	50	50	70
SL3217S	VM77 D-534262	1L	10N	20N	20	50	70	50
SL3218S	VM77 D-534263	1L	10N	20N	10L	30	10	20
SL3219S	VM77 D-534264	1.0	10N	20N	20	20	100	30
SL3220S	VM77 D-534265	1L	10N	20N	30	50	100	30
SL3221S	VM77 D-534266	1L	10N	20N	30	50	100	70
SL3222S	VM77 D-534267	1L	10N	20N	15	70	30	100
SL3223S	VM77 D-534268	1.0	10N	20N	15	70	150	50
SL3224S	VM77 D-534269	1L	10N	20N	30	300	150	100
SL3225S	VM77 D-534270	1.0	10N	20N	20	70	100	50

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Be-ppm-S	Bi-ppm-S	Cd-ppm-S	Co-ppm-S	Cr-ppm-S	Cu-ppm-S	Ga-ppm-S
SL3226S	VM77 D-534271	1L	10N	20N	20	70	50	50
SL3227S	VM77 D-534272	1.0	10N	20N	20	50	70	50
SL3228S	VM77 D-534273	1.0	10N	20N	10	70	30	30
SL3229S	VM77 D-534274	1L	10N	20N	15	20	20	30
SL3230S	VM77 D-534275	1L	10N	20N	15	200	20	30
SL3231S	VM77 D-534276	1.0	10N	20N	50	70	70	50
SL3232S	VM77 D-534277	1.5	10N	20N	70	50	100	70
SL3233S	VM77 D-534278	1.0	10N	20N	30	30	50	30
SL3234S	VM77 D-534279	1.5	10N	20N	10L	10	50	20
SL3235S	VM77 D-534280	1.5	10N	20N	15	15	30	50
SL3236S	VM77 D-534281	1.0	10N	20N	20	200	20	50
SL3237S	VM77 D-534282	1L	10N	20N	30	70	30	70
SL3238S	VM77 D-534283	1.5	10N	20N	20	50	30	50
SL3239S	VM77 D-534284	1.0	10N	20N	30	30	50	30
SL3240S	VM77 D-534285	1L	10N	20N	50	70	100	70
SL3241S	VM93 D-534549	1L	10N	20N	15	50	15	20
SL3242S	VM93 D-534550	1L	10N	20N	20	30	30	30
SL3243S	VM93 D-534551	1.0	10N	20N	10L	10L	5	20
SL3244S	VM93 D-534552	1.0	10N	20N	50	50	50	50
SL3245S	VM93 D-534553	1.0	10N	20N	30	70	30	20
SL3246S	VM93 D-534554	1L	10N	20N	10	30	10	15
SL3247S	VM93 D-534555	1L	10N	20N	30	70	50	50
SL3248S	VM93 D-534556	1L	10N	20N	20	50	50	50
SL3249S	VM93 D-534557	1.5	10N	20N	20	30	20	20
SL3250S	VM93 D-534558	1.0	10N	20N	15	30	30	30
SL3251S	VM93 D-534559	1.5	10N	20N	10L	30	10	20
SL3252S	VM93 D-534560	1L	10N	20N	20	30	50	20
SL3253S	VM93 D-534561	1L	10N	20N	15	50	50	30
SL3254S	VM93 D-534562	1L	10N	20N	10	30	30	20
SL3255S	VM93 D-534563	1.0	10N	20N	20	70	50	30
SL3256S	VM93 D-534564	1L	10N	20N	10	30	50	20
SL3257S	VM93 D-534565	1L	10N	20N	15	30	70	30
SL3258S	VM93 D-534566	3.0	10N	20N	10N	10	15	20
SL3259S	VM93 D-534567	3.0	10N	20N	10L	10	50	50
SL3260S	VM93 D-534568	2.0	10L	20N	10L	70	20	30
SL3261S	VM93 D-534569	1.5	10N	20N	10L	50	50	20
SL3262S	VM93 D-534570	1.0	10N	20N	30	50	70	30
SL3263S	VM93 D-534571	1.5	10N	20N	20	30	50	30
SL3264S	VM93 D-534572	2.0	10N	20N	10L	10	20	20
SL3265S	VM93 D-534573	2.0	10N	20N	10L	15	15	20
SL3266S	VM93 D-534574	1.5	10N	20N	20	20	100	30
SL3267S	VM93 D-534575	1.0	10N	20N	10	20	50	20
SL3268S	VM93 D-534576	1.0	10N	20N	30	30	150	50
SL3269S	VM93 D-534577	1L	10N	20N	20	50	50	30
SL3301S	VM77 D-534286	1.0	10N	20N	20	200	20	30
SL3302S	VM77 D-534287	1.0	10N	20N	20	200	15	20

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Be-ppm-S	Bi-ppm-S	Cd-ppm-S	Co-ppm-S	Cr-ppm-S	Cu-ppm-S	Ga-ppm-S
SL3303S	VM77 D-534288	1L	10N	20N	15	200	15	20
SL3304S	VM77 D-534289	1L	10N	20N	20	300	20	30
SL3305S	VM77 D-534290	1.0	10N	20N	20	200	20	50
SL3306S	VM77 D-534291	1.5	10N	20N	30	300	30	50
SL3307S	VM77 D-534292	1L	10N	20N	30	200	30	70
SL3308S	VM77 D-534293	3.0	10N	20N	10	20	15	50
SL3309S	VM77 D-534294	1.5	10N	20N	20	150	20	50
SL3310S	VM77 D-534295	1.0	10N	20N	30	70	20	50
SL3311S	VM78 D-534296	2.0	10N	20N	15	150	50	70
SL3312S	VM78 D-534297	5.0	10N	20N	10L	20	15	100
SL3313S	VM78 D-534298	3.0	10	20N	50	50	100	70
SL3314S	VM78 D-534299	2.0	10N	20N	30	50	70	50
SL3315S	VM78 D-534300	3.0	10N	20N	10	10	10	30
SL3316S	VM78 D-534301	1.0	10N	20N	30	50	70	100
SL3317S	VM78 D-534302	1L	10N	20N	20	30	30	30
SL3318S	VM78 D-534303	1L	10N	20N	50	30	100	70
SL3319S	VM78 D-534304	1L	10N	20N	20	20	70	50
SL3320S	VM78 D-534305	1L	10N	20N	50	20	50	30
SL3321S	VM78 D-534306	1L	10N	20N	20	30	50	50
SL3322S	VM78 D-534307	1L	10N	20N	15	50	30	50
SL3323S	VM78 D-534308	1L	10N	20N	15	50	30	50
SL3324S	VM78 D-534309	1L	10N	20N	30	30	30	50
SL3325S	VM78 D-534310	1L	10N	20N	20	70	50	50
SL3326S	VM78 D-534311	1L	10N	20N	30	70	20	70
SL3327S	VM78 D-534312	1L	10N	20N	20	50	30	50
SL3328S	VM78 D-534313	1L	10N	20N	15	70	50	30
SL3329S	VM78 D-534314	1L	10N	20N	10	20	15	20
SL3330S	VM78 D-534315	1L	10N	20N	20	30	50	50
SL3331S	VM78 D-534316	1.5	10N	20N	20	30	70	30
SL3332S	VM78 D-534317	1.0	10N	20N	50	30	150	50
SL3333S	VM78 D-534318	1.0	10N	20N	30	50	100	50
SL3334S	VM78 D-534319	1.0	10N	20N	20	30	100	30
SL3335S	VM78 D-534320	1L	10N	20N	20	100	50	50
SL3336S	VM78 D-534321	1.5	10N	20N	10L	20	10	50
SL3337S	VM78 D-534322	1.0	10N	20N	10L	20	10	50
SL3338S	VM78 D-534323	1L	10N	20N	15	50	70	50
SL3339S	VM78 D-534324	1L	10N	20N	30	50	100	70
SL3340S	VM78 D-534325	1L	10N	20N	70	30	200	50
SL3341S	VM78 D-534326	1L	10N	20N	20	700	100	50
SL3342S	VM78 D-534327	1.0	10N	20N	30	30	70	50
SL3343S	VM78 D-534328	5.0	10N	20N	10L	20	70	100
SL3344S	VM78 D-534329	1.0	10N	20N	15	700	30	30
SL3345S	VM78 D-534330	1.0	10N	20N	10	50	15	15
SL3346S	VM94 D-534578	1L	10N	20N	15	100	15	20
SL3347S	VM94 D-534579	1L	10N	20N	20	300	30	30
SL3348S	VM94 D-534580	1.0	10N	20N	10	150	5	20

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Be-ppm-S	Bi-ppm-S	Cd-ppm-S	Co-ppm-S	Cr-ppm-S	Cu-ppm-S	Ga-ppm-S
SL3349S	VM94 D-534581	1.0	10N	20N	50	500	30	50
SL3350S	VM94 D-534582	1L	10N	20N	15	300	15	50
SL3351S	VM94 D-534583	1L	10N	20N	10	70	10	15
SL3352S	VM94 D-534584	1N	10N	20N	10	50	7	15
SL3353S	VM94 D-534585	2.0	10L	20N	30	30	100	50
SL3354S	VM94 D-534586	1.0	10N	20N	15	50	30	50
SL3355S	VM94 D-534587	1.5	10N	20N	20	70	30	30
SL3356S	VM94 D-534588	1.5	10N	20N	20	500	50	30
SL3357S	VM94 D-534589	5.0	10N	20N	10	70	20	50
SL3358S	VM94 D-534590	1L	10N	20N	15	70	20	15
SL3359S	VM94 D-534591	1.5	10N	20N	30	70	50	70
SL3360S	VM94 D-534592	1.0	10N	20N	15	30	30	30
SL3361S	VM94 D-534593	1L	10N	20N	15	70	30	50
SL3362S	VM94 D-534594	1.0	10N	20N	20	50	50	30
SL3363S	VM94 D-534595	1.5	10N	20N	10	20	15	50
SL3364S	VM94 D-534596	1L	10N	20N	10	20	30	20
SL3365S	VM94 D-534597	1.0	10N	20N	20	50	50	20
SL3366S	VM94 D-534598	1L	10N	20N	20	70	70	50
SL3367S	VM94 D-534599	1.5	10N	20N	10	30	50	50
SL4501S	WB41 D-569127	1.0	10N	20N	50	300	70	150
SL4502S	WB41 D-569128	1L	10N	20N	50	300	50	150
SL4503S	WB41 D-569129	1.0	10N	20N	50	200	50	200
SL4504S	WB41 D-569130	1.0	10N	20N	30	200	30	150
SL4505S	WB41 D-569131	1.5	10N	20N	70	500	70	200
SL4506S	WB41 D-569132	1.5	10N	20N	50	300	50	100
SL4507S	WB41 D-569133	1.0	10N	20N	50	200	70	150
SL4508S	WB41 D-569134	1L	10N	20N	50	300	50	200
SL4509S	WB41 D-569135	1.0	10N	20N	20	150	30	100
SL4510S	WB41 D-569136	1.0	10N	20N	50	70	70	100
SL4511S	WB41 D-569137	1L	10N	20N	50	300	70	150
SL4512S	WB41 D-569138	1.5	10N	20N	50	100	70	150
SL4513S	WB41 D-569139	1.5	10N	20N	30	150	50	100
SL4514S	WB41 D-569140	1.0	10N	20N	50	300	50	150
SL4515S	WB41 D-569141	1.5	10N	20N	20	200	30	70
SL4516S	WB41 D-569142	1.0	10N	20N	30	300	30	70
SL4517S	WB41 D-569143	1.0	10N	20N	30	200	30	150
SL4518S	WB41 D-569144	1.5	10N	20N	50	300	50	150
SL4519S	WB41 D-569145	1.5	10N	20N	20	200	30	50
SL4520S	WB41 D-569146	2.0	10N	20N	50	300	50	150
SL4521S	WB41 D-569147	1.5	10N	20N	20	200	30	70
SL4522S	WB41 D-569148	1.0	10N	20N	50	300	50	100
SL4523S	WB41 D-569149	2.0	10N	20N	30	200	50	70
SL4524S	WB41 D-569150	1.0	10N	20N	30	200	30	70
SL4525S	WB41 D-569152	1.5	10N	20N	50	500	30	100
SL4526S	WB41 D-569153	1.0	10N	20N	30	100	30	100
SL4527S	WB41 D-569154	1L	10N	20N	30	150	20	70

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Be-ppm-S	Bi-ppm-S	Cd-ppm-S	Co-ppm-S	Cr-ppm-S	Cu-ppm-S	Ga-ppm-S
SL4528S	WB41 D-569155	1.0	10N	20N	30	200	30	70
SL4529S	WB41 D-569156	1.5	10N	20N	30	300	50	70
SL4530S	WB41 D-569157	2.0	10N	20N	30	300	30	70
SL4531S	WB42 D-569158	1L	10N	20N	20	200	50	70
SL4532S	WB42 D-569159	1L	10N	20N	30	200	70	100
SL4533S	WB42 D-569160	1L	10N	20N	30	200	30	70
SL4534S	WB42 D-569161	1L	10N	20N	20	500	50	100
SL4535S	WB42 D-569162	1.0	10N	20N	30	200	100	150
SL4536S	WB42 D-569163	1L	10N	20N	30	500	100	150
SL4537S	WB42 D-569164	1L	10N	20N	30	150	70	150
SL4538S	WB42 D-569165	1L	10N	20N	20	300	30	100
SL4539S	WB42 D-569166	1.0	10N	20N	30	100	100	100
SL4540S	WB42 D-569167	1L	10N	20N	30	70	100	100
SL4541S	WB42 D-569168	1.0	10N	20N	30	300	70	70
SL4542S	WB42 D-569169	1.0	10N	20N	20	300	70	100
SL4543S	WB42 D-569170	1.0	10N	20N	30	300	100	100
SL4544S	WB42 D-569171	1.0	10N	20N	30	200	70	70
SL4545S	WB42 D-569172	1.0	10N	20N	20	200	50	150
SL4546S	WB42 D-569173	1.0	10L	20N	30	70	50	70
SL4547S	WB42 D-569174	1.0	10N	20N	70	100	50	100
SL4548S	WB42 D-569175	1.5	10N	20N	50	150	50	100
SL4549S	WB42 D-569176	1N	10N	20N	30	200	30	70
SL4550S	WB42 D-569177	1L	10N	20N	30	70	50	70
SL4551S	WB42 D-569179	1L	10N	20N	50	150	100	100
SL4552S	WB42 D-569180	1.0	10N	20N	30	50	70	50
SL4553S	WB42 D-569181	1L	10N	20N	100	500	70	150
SL4554S	WB42 D-569182	1L	10N	20N	10L	30	7	50
SL4555S	WB42 D-569183	1L	10N	20N	50	500	50	100
SL4556S	WB42 D-569184	1L	10N	20N	50	200	30	70
SL4557S	WB42 D-569185	1N	10N	20N	10	30	7	50
SL4558S	WB42 D-569186	1L	10N	20N	15	300	10	50
SL4559S	WB42 D-569187	1L	10N	20N	10	30	7	30
SL4560S	WB42 D-569189	1L	10N	20N	30	150	20	70
SL4561S	WB42 D-569190	1L	10N	20N	30	150	30	70

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Ge-ppm-S	La-ppm-S	Mn-ppm-S	Mo-ppm-S	Nb-ppm-S	Ni-ppm-S	Pb-ppm-S
SL3001S	VM74 D-534136	10N	50L	1000	5N	20N	70	10
SL3002S	VM74 D-534137	10N	50	2000	5L	20N	50	20
SL3003S	VM74 D-534138	10N	50N	500	5N	20N	50	10N
SL3004S	VM74 D-534139	10N	50N	1000	5N	20N	50	10L
SL3005S	VM74 D-534140	10N	50N	1500	5L	20L	100	20
SL3006S	VM74 D-534141	10N	50N	300	5N	20N	70	10
SL3007S	VM74 D-534142	10N	50N	500	5N	20N	70	10L
SL3008S	VM74 D-534143	10N	50	200	5N	20N	50	10N
SL3009S	VM74 D-534144	10N	50L	700	5N	20N	50	15
SL3010S	VM74 D-534145	10N	50N	200	5N	20N	30	10N
SL3011S	VM74 D-534146	10N	50N	300	5N	20N	100	10
SL3012S	VM74 D-534147	10N	50N	200	5N	20N	50	10N
SL3013S	VM74 D-534148	10N	50N	200	5N	20N	50	10N
SL3014S	VM74 D-534149	10N	50N	200	5N	20N	30	10
SL3015S	VM74 D-534150	10N	50N	200	5N	20N	50	10N
SL3016S	VM74 D-534151	10N	50N	300	5N	20N	30	10L
SL3017S	VM74 D-534152	10N	50N	700	5N	20N	50	10L
SL3018S	VM74 D-534153	10N	50N	500	5N	20N	20	10L
SL3019S	VM74 D-534154	10N	50N	200	5N	20N	20	10
SL3020S	VM74 D-534155	10N	50L	500	5N	20N	30	20
SL3021S	VM74 D-534156	10N	50N	500	5N	20N	70	10
SL3022S	VM74 D-534157	10N	50L	1000	5N	20N	70	10
SL3023S	VM74 D-534158	10N	50N	700	5N	20N	7	10
SL3024S	VM74 D-534159	10N	50	2000	5N	20N	100	30
SL3025S	VM74 D-534160	10N	50L	500	5N	20N	7	20
SL3026S	VM74 D-534161	10N	50N	700	5N	20N	50	15
SL3027S	VM74 D-534162	10N	50L	300	5N	20N	5N	20
SL3028S	VM74 D-534163	10N	50L	700	5N	20N	5L	20
SL3029S	VM74 D-534164	10N	50N	1000	5N	20N	5L	30
SL3030S	VM74 D-534165	10N	50N	1000	5N	20N	5	20
SL3031S	VM74 D-534166	10N	50N	1500	5N	20N	5	30
SL3032S	VM74 D-534167	10N	50N	2000	5L	20N	100	20
SL3033S	VM74 D-534168	10N	50N	5000	5	20N	200	15
SL3034S	VM74 D-534169	10N	50N	1500	5L	20N	30	10
SL3035S	VM74 D-534170	10N	50N	2000	5N	20N	20	10
SL3036S	VM74 D-534171	10N	50N	1000	5N	20N	30	10L
SL3037S	VM74 D-534172	10N	50N	5000	5N	20N	70	10L
SL3038S	VM74 D-534173	10N	50N	3000	5N	20N	30	10
SL3039S	VM74 D-534174	10N	50N	2000	5N	20N	50	10
SL3040S	VM74 D-534175	10N	50N	1000	5N	20N	50	10
SL3041S	VM75 D-534176	10N	50N	2000	5N	20N	50	10L
SL3042S	VM75 D-534177	10N	50N	1500	5N	20N	70	10
SL3043S	VM75 D-534178	10N	50N	1500	5N	20N	50	10
SL3044S	VM75 D-534179	10N	50N	1000	5N	20N	30	10
SL3045S	VM75 D-534180	10N	50N	2000	5N	20N	20	10L
SL3046S	VM75 D-534181	10N	50N	2000	5N	20N	50	10

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Ge-ppm-S	La-ppm-S	Mn-ppm-S	Mo-ppm-S	Nb-ppm-S	Ni-ppm-S	Pb-ppm-S
SL3047S	VM75 D-534182	10N	50N	1500	5N	20N	50	15
SL3048S	VM75 D-534183	10N	50N	1500	5N	20N	30	10
SL3049S	VM75 D-534184	10N	50N	3000	5N	20N	50	10
SL3050S	VM75 D-534185	10N	50L	5000	5N	20N	50	20
SL3051S	VM75 D-534186	10N	50N	3000	5N	20N	100	10
SL3052S	VM75 D-534187	10N	50L	5000	5N	20N	70	15
SL3053S	VM75 D-534188	10N	50L	3000	5	20N	5	10
SL3054S	VM75 D-534189	10N	50N	5000	5N	20N	70	10L
SL3055S	VM75 D-534190	10N	50N	3000	5N	20N	70	15
SL3056S	VM75 D-534191	10N	50N	3000	5L	20N	50	10L
SL3057S	VM75 D-534192	10N	50L	2000	5N	20N	30	10
SL3058S	VM75 D-534193	10N	50N	5000	5N	20N	100	20
SL3059S	VM75 D-534194	10N	50N	2000	5N	20N	50	15
SL3060S	VM75 D-534195	10N	50L	3000	5N	20N	30	20
SL3061S	VM75 D-534196	10N	50N	2000	5N	20N	50	10
SL3064S	VM92 D-534500	10N	50L	700	5N	20N	15	15
SL3065S	VM92 D-534501	10N	50N	1500	5N	20N	20	15
SL3066S	VM92 D-534502	10N	50L	1500	5N	20N	20	10
SL3067S	VM92 D-534503	10N	50N	2000	5N	20N	30	20
SL3068S	VM92 D-534504	10N	50L	1000	5N	20N	30	15
SL3069S	VM92 D-534505	10N	50N	500	5N	20N	15	20
SL3070S	VM92 D-534506	10N	50N	1000	5N	20N	30	10L
SL3071S	VM92 D-534507	10N	50N	700	5N	20N	50	10
SL3072S	VM92 D-534508	10N	50N	500	5N	20N	30	10
SL3073S	VM92 D-534509	10N	50L	200	5N	20N	20	15
SL3074S	VM92 D-534510	10N	50L	1000	5N	20N	50	15
SL3075S	VM92 D-534511	10N	50L	1500	5N	20N	50	15
SL3076S	VM92 D-534512	10N	50N	500	5N	20N	10	10N
SL3077S	VM92 D-534513	10N	50	700	5N	20N	30	10L
SL3078S	VM92 D-534514	10N	50L	300	5N	20N	20	10N
SL3079S	VM92 D-534515	10N	50	1000	5N	20N	50	30
SL3080S	VM92 D-534516	10N	50N	700	5N	20N	50	10
SL3081S	VM92 D-534517	10N	50L	700	5N	20N	30	20
SL3082S	VM92 D-534518	10N	50N	1500	5N	20N	150	20
SL3083S	VM92 D-534519	10N	50L	1000	5N	20N	70	10
SL3084S	VM92 D-534520	10N	50L	1000	5N	20N	50	15
SL3085S	VM92 D-534521	10N	50N	700	5N	20N	70	10L
SL3086S	VM92 D-534522	10N	50	1500	5N	20N	50	15
SL3087S	VM92 D-534523	10N	50N	1000	5N	20N	30	20
SL3088S	VM92 D-534524	10N	50N	1000	5N	20N	100	10
SL3089S	VM92 D-534525	10N	50L	1000	5N	20N	30	10
SL3090S	VM92 D-534526	10N	50N	5000	5N	20N	30	10L
SL3091S	VM92 D-534527	10N	50N	2000	5N	20N	100	10
SL3092S	VM92 D-534528	10N	50N	2000	5N	20N	30	10
SL3093S	VM92 D-534529	10N	50N	1500	5N	20N	100	10
SL3094S	VM92 D-534530	10N	50N	5000G	5N	20N	20	10

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Ge-ppm-S	La-ppm-S	Mn-ppm-S	Mo-ppm-S	Nb-ppm-S	Ni-ppm-S	Pb-ppm-S
SL3095S	VM92 D-534531	10N	50N	2000	5N	20N	30	10L
SL3096S	VM92 D-534532	10N	50N	1500	5N	20N	100	10
SL3097S	VM92 D-534533	10N	50L	2000	5N	20N	70	30
SL3098S	VM92 D-534534	10N	50L	1500	5L	20N	50	30
SL3099S	VM92 D-534535	10N	100	1000	5N	20N	30	20
SL3101S	VM75 D-534197	10N	50N	1500	5N	20N	70	10L
SL3102S	VM75 D-534198	10N	50N	500	5N	20N	70	10N
SL3103S	VM75 D-534199	10N	50N	500	5N	20N	70	10L
SL3104S	VM75 D-534200	10N	50L	300	5N	20N	50	10L
SL3105S	VM75 D-534201	10N	50	700	5N	20N	100	10L
SL3106S	VM75 D-534202	10N	50N	700	5N	20N	100	10L
SL3107S	VM75 D-534203	10N	50N	500	5N	20N	70	10N
SL3108S	VM75 D-534204	10N	50L	700	5N	20N	100	10L
SL3109S	VM75 D-534205	10N	50N	500	5N	20N	30	10L
SL3110S	VM75 D-534206	10N	50N	1000	5N	20N	70	10N
SL3111S	VM75 D-534207	10N	50N	1000	5N	20N	100	10L
SL3112S	VM75 D-534208	10N	50N	1500	5N	20N	70	10L
SL3113S	VM75 D-534209	10N	50L	500	5N	20N	30	15
SL3114S	VM75 D-534210	10N	50N	1000	5N	20N	30	10L
SL3115S	VM75 D-534211	10N	50N	1500	5N	20N	100	10
SL3116S	VM75 D-534212	10N	50N	1000	5N	20N	5	20
SL3117S	VM75 D-534213	10N	50L	2000	5N	20N	70	30
SL3118S	VM75 D-534214	10N	50N	3000	5N	20N	70	10
SL3119S	VM75 D-534215	10N	50N	500	5N	20N	5L	30
SL3120S	VM76 D-534216	10N	50L	2000	5L	20N	20	15
SL3121S	VM76 D-534217	10N	50L	1000	5N	20N	15	20
SL3122S	VM76 D-534218	10N	50N	3000	5N	20N	10	15
SL3123S	VM76 D-534219	10N	50L	2000	5N	20N	30	10
SL3124S	VM76 D-534220	10N	50L	2000	5N	20N	15	15
SL3125S	VM76 D-534221	10N	50N	2000	5N	20N	20	15
SL3126S	VM76 D-534222	10N	50N	3000	5N	20N	20	10L
SL3127S	VM76 D-534223	10N	50N	700	5N	20N	20	10
SL3128S	VM76 D-534224	10N	50N	3000	5N	20N	50	10
SL3129S	VM76 D-534225	10N	50N	700	5N	20N	20	10
SL3130S	VM76 D-534226	10N	50N	5000G	5L	20N	100	10
SL3131S	VM76 D-534227	10N	50N	5000	5N	20N	100	10
SL3132S	VM76 D-534228	10N	50N	2000	5N	20N	100	15
SL3133S	VM76 D-534229	10N	50N	1500	5N	20N	7	10L
SL3134S	VM76 D-534230	10N	50N	3000	5N	20N	30	10
SL3135S	VM76 D-534231	10N	50L	5000	5N	20N	50	15
SL3136S	VM76 D-534232	10N	50L	2000	5N	20N	50	15
SL3137S	VM76 D-534233	10N	50N	1500	5N	20N	30	10
SL3138S	VM76 D-534234	10N	50N	1000	5N	20N	7	10L
SL3139S	VM76 D-534235	10N	50N	700	5N	20N	5	15
SL3140S	VM76 D-534236	10N	50N	3000	5N	20N	30	10
SL3141S	VM76 D-534237	10N	50N	3000	5N	20N	20	10L

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Ge-ppm-S	La-ppm-S	Mn-ppm-S	Mo-ppm-S	Nb-ppm-S	Ni-ppm-S	Pb-ppm-S
SL3142S	VM76 D-534238	10N	50L	3000	5L	20N	30	15
SL3143S	VM76 D-534239	10N	50N	1500	5N	20N	10	10
SL3144S	VM76 D-534240	10N	50N	2000	5N	20N	20	15
SL3145S	VM76 D-534241	10N	50N	1500	5N	20N	50	15
SL3146S	VM76 D-534242	10N	50N	1500	5N	20N	10	15
SL3147S	VM76 D-534243	10N	50L	1500	5N	20N	10	20
SL3148S	VM76 D-534244	10N	50N	5000	5N	20N	50	10L
SL3149S	VM92 D-534536	10N	50L	700	5N	20N	30	15
SL3150S	VM92 D-534537	10N	50N	500	5N	20N	15	10
SL3151S	VM93 D-534538	10N	50L	300	5N	20N	15	10
SL3152S	VM93 D-534539	10N	50N	1000	5N	20N	100	15
SL3153S	VM93 D-534540	10N	50N	300	5N	20N	10	10
SL3154S	VM93 D-534541	10N	50N	500	5N	20N	30	10L
SL3155S	VM93 D-534542	10N	50L	300	5N	20N	30	10
SL3156S	VM93 D-534543	10N	50	700	5N	20N	50	20
SL3157S	VM93 D-534544	10N	50L	700	5N	20N	70	20
SL3158S	VM93 D-534545	10N	50L	200	5N	20N	50	10
SL3159S	VM93 D-534546	10N	50L	700	5N	20N	100	15
SL3160S	VM93 D-534547	10N	50N	700	5N	20N	30	10
SL3161S	VM93 D-534548	10N	50L	700	5N	20N	50	15
SL3200S	VM76 D-534245	10N	50N	1000	5N	20N	100	10
SL3201S	VM76 D-534246	10N	50L	1500	5N	20N	70	10
SL3202S	VM76 D-534247	10N	50N	2000	5N	20N	100	10L
SL3203S	VM76 D-534248	10N	50N	1000	5N	20N	70	10
SL3204S	VM76 D-534249	10N	50L	300	5N	20N	70	10
SL3205S	VM76 D-534250	10N	50L	700	5N	20N	50	10L
SL3206S	VM76 D-534251	10N	50L	500	5N	20N	50	15
SL3207S	VM76 D-534252	10N	50L	1000	5N	20N	20	10
SL3208S	VM76 D-534253	10N	50N	2000	5N	20N	150	15
SL3209S	VM76 D-534254	10N	50N	1000	5N	20N	10	100
SL3210S	VM76 D-534255	10N	50L	1000	5N	20N	50	20
SL3211S	VM77 D-534256	10N	50L	700	5N	20N	50	15
SL3212S	VM77 D-534257	10N	50	500	5N	20N	7	30
SL3213S	VM77 D-534258	10N	50L	1000	5N	20N	30	50
SL3214S	VM77 D-534259	10N	50N	1500	5N	20N	15	20
SL3215S	VM77 D-534260	10N	50N	3000	5N	20N	50	10
SL3216S	VM77 D-534261	10N	50N	2000	5N	20N	50	10
SL3217S	VM77 D-534262	10N	50N	2000	5N	20N	50	15
SL3218S	VM77 D-534263	10N	50N	1000	5N	20N	15	10L
SL3219S	VM77 D-534264	10N	50N	3000	5N	20N	20	15
SL3220S	VM77 D-534265	10N	50N	5000	5N	20N	50	10L
SL3221S	VM77 D-534266	10N	50N	2000	5N	20N	50	10
SL3222S	VM77 D-534267	10N	50N	1500	5N	20N	50	10
SL3223S	VM77 D-534268	10N	50N	5000G	5N	20N	50	10
SL3224S	VM77 D-534269	10N	50N	2000	5N	20N	70	20
SL3225S	VM77 D-534270	10N	50N	2000	5N	20N	70	15

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Ge-ppm-S	La-ppm-S	Mn-ppm-S	Mo-ppm-S	Nb-ppm-S	Ni-ppm-S	Pb-ppm-S
SL3226S	VM77 D-534271	10N	50L	1000	5N	20N	70	10
SL3227S	VM77 D-534272	10N	50N	1500	5N	20N	30	15
SL3228S	VM77 D-534273	10N	50N	1500	5N	20N	50	10
SL3229S	VM77 D-534274	10N	50N	3000	5N	20N	15	10L
SL3230S	VM77 D-534275	10N	50N	2000	5N	20N	20	10
SL3231S	VM77 D-534276	10N	50N	1500	5L	20N	50	15
SL3232S	VM77 D-534277	10N	50L	3000	5	20N	70	20
SL3233S	VM77 D-534278	10N	50N	1500	5N	20N	30	10
SL3234S	VM77 D-534279	10N	50N	2000	5N	20N	10	15
SL3235S	VM77 D-534280	10N	50N	2000	5	20N	15	20
SL3236S	VM77 D-534281	10N	50L	1000	5N	20N	50	20
SL3237S	VM77 D-534282	10N	50N	2000	5L	20N	30	20
SL3238S	VM77 D-534283	10N	50N	1000	5L	20N	30	15
SL3239S	VM77 D-534284	10N	50N	2000	5L	20N	30	15
SL3240S	VM77 D-534285	10N	50N	1500	5L	20N	30	20
SL3241S	VM93 D-534549	10N	50N	700	5N	20N	50	10L
SL3242S	VM93 D-534550	10N	50N	1500	5N	20N	30	10
SL3243S	VM93 D-534551	10N	50L	150	5N	20N	5	20
SL3244S	VM93 D-534552	10N	50N	1500	5L	20N	70	15
SL3245S	VM93 D-534553	10N	50L	2000	5N	20N	100	10L
SL3246S	VM93 D-534554	10N	50N	300	5N	20N	10	10L
SL3247S	VM93 D-534555	10N	50N	1000	5N	20N	70	10L
SL3248S	VM93 D-534556	10N	50N	500	5L	20N	50	10
SL3249S	VM93 D-534557	10N	50L	700	5N	20N	30	15
SL3250S	VM93 D-534558	10N	50N	500	5N	20N	50	15
SL3251S	VM93 D-534559	10N	50N	200	5N	20N	20	10
SL3252S	VM93 D-534560	10N	50N	3000	5N	20N	50	10
SL3253S	VM93 D-534561	10N	50N	1000	5N	20N	70	10L
SL3254S	VM93 D-534562	10N	50N	500	5N	20N	30	10L
SL3255S	VM93 D-534563	10N	50N	1000	5N	20N	100	10L
SL3256S	VM93 D-534564	10N	50N	1000	5L	20N	30	10L
SL3257S	VM93 D-534565	10N	50N	2000	5L	20N	50	10L
SL3258S	VM93 D-534566	10N	50L	500	5N	20N	5	20
SL3259S	VM93 D-534567	10N	50L	700	5N	20N	10	30
SL3260S	VM93 D-534568	10N	50L	700	5N	20L	15	15
SL3261S	VM93 D-534569	10N	50N	1000	5N	20N	50	20
SL3262S	VM93 D-534570	10N	50N	2000	5N	20N	70	20
SL3263S	VM93 D-534571	10N	50L	2000	5L	20N	70	15
SL3264S	VM93 D-534572	10N	50N	1000	5N	20N	10	15
SL3265S	VM93 D-534573	10N	50N	700	5N	20N	10	15
SL3266S	VM93 D-534574	10N	50N	2000	5	20N	70	20
SL3267S	VM93 D-534575	10N	50N	500	5N	20N	50	15
SL3268S	VM93 D-534576	10N	50N	1000	5L	20N	70	20
SL3269S	VM93 D-534577	10N	50N	1000	5L	20N	50	10
SL3301S	VM77 D-534286	10N	50N	300	5N	20N	70	10L
SL3302S	VM77 D-534287	10N	50N	200	5N	20N	50	10L

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Ge-ppm-S	La-ppm-S	Mn-ppm-S	Mo-ppm-S	Nb-ppm-S	Ni-ppm-S	Pb-ppm-S
SL3303S	VM77 D-534288	10N	50N	150	5N	20N	50	10L
SL3304S	VM77 D-534289	10N	50N	1000	5N	20N	30	10
SL3305S	VM77 D-534290	10N	50L	1000	5N	20N	50	20
SL3306S	VM77 D-534291	10N	50L	1000	5N	20N	70	15
SL3307S	VM77 D-534292	10N	50N	200	5N	20N	70	15
SL3308S	VM77 D-534293	10N	50N	700	5N	20N	15	30
SL3309S	VM77 D-534294	10N	50L	1000	5L	20N	30	15
SL3310S	VM77 D-534295	10N	50L	700	5N	20N	50	15
SL3311S	VM78 D-534296	10N	50	1000	5N	20N	50	20
SL3312S	VM78 D-534297	10N	50L	700	5N	20N	5L	50
SL3313S	VM78 D-534298	10N	50	3000	5N	20N	70	30
SL3314S	VM78 D-534299	10N	50L	1500	5N	20N	50	30
SL3315S	VM78 D-534300	10N	50L	1500	5N	20N	7	15
SL3316S	VM78 D-534301	10N	50N	1500	5L	20N	70	20
SL3317S	VM78 D-534302	10N	50N	1500	5N	20N	20	10
SL3318S	VM78 D-534303	10N	50N	2000	5N	20N	50	20
SL3319S	VM78 D-534304	10N	50N	1500	5N	20N	20	20
SL3320S	VM78 D-534305	10N	50N	3000	5N	20N	70	15
SL3321S	VM78 D-534306	10N	50N	1500	5N	20N	30	20
SL3322S	VM78 D-534307	10N	50N	1000	5N	20N	50	10L
SL3323S	VM78 D-534308	10N	50N	3000	5N	20N	50	10
SL3324S	VM78 D-534309	10N	50L	5000G	5	20N	150	10
SL3325S	VM78 D-534310	10N	50N	500	5N	20N	70	10
SL3326S	VM78 D-534311	10N	50N	1000	5N	20N	100	10
SL3327S	VM78 D-534312	10N	50N	700	5N	20N	30	10
SL3328S	VM78 D-534313	10N	50N	500	5N	20N	30	15
SL3329S	VM78 D-534314	10N	50N	500	5N	20N	10	10
SL3330S	VM78 D-534315	10N	50N	300	5N	20N	20	20
SL3331S	VM78 D-534316	10N	50N	2000	5L	20N	30	10
SL3332S	VM78 D-534317	10N	50L	5000	5N	20N	70	20
SL3333S	VM78 D-534318	10N	50L	2000	5N	20N	50	15
SL3334S	VM78 D-534319	10N	50	3000	5L	20N	30	15
SL3335S	VM78 D-534320	10N	50N	1000	5N	20N	30	10
SL3336S	VM78 D-534321	10N	50L	1000	5N	20N	5	20
SL3337S	VM78 D-534322	10N	50L	1000	5N	20N	7	20
SL3338S	VM78 D-534323	10N	50N	3000	5N	20N	50	10
SL3339S	VM78 D-534324	10N	50N	3000	5N	20N	50	20
SL3340S	VM78 D-534325	10N	50N	5000G	5N	20N	150	15
SL3341S	VM78 D-534326	10N	50N	2000	5N	20N	70	10L
SL3342S	VM78 D-534327	10N	50N	2000	5N	20N	50	10
SL3343S	VM78 D-534328	10N	50L	2000	5N	20N	10	20
SL3344S	VM78 D-534329	10N	50L	1000	5N	20N	70	10
SL3345S	VM78 D-534330	10N	50L	2000	5N	20N	30	10L
SL3346S	VM94 D-534578	10N	50N	200	5N	20N	50	10
SL3347S	VM94 D-534579	10N	50N	1000	5N	20N	70	10
SL3348S	VM94 D-534580	10N	50N	500	5N	20N	15	10

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Ge-ppm-S	La-ppm-S	Mn-ppm-S	Mo-ppm-S	Nb-ppm-S	Ni-ppm-S	Pb-ppm-S
SL3349S	VM94 D-534581	10N	50N	1000	5N	20N	100	15
SL3350S	VM94 D-534582	10N	50N	1000	5N	20N	50	15
SL3351S	VM94 D-534583	10N	50L	300	5N	20N	30	10
SL3352S	VM94 D-534584	10N	50N	300	5N	20N	20	10L
SL3353S	VM94 D-534585	10N	50	700	5N	20N	70	50
SL3354S	VM94 D-534586	10N	50N	700	5N	20N	50	20
SL3355S	VM94 D-534587	10N	50L	700	5N	20N	50	15
SL3356S	VM94 D-534588	10N	50N	1000	5N	20N	150	15
SL3357S	VM94 D-534589	10N	50N	1000	5N	20N	30	20
SL3358S	VM94 D-534590	10N	50N	700	5N	20N	50	10L
SL3359S	VM94 D-534591	10N	50N	1500	5N	20N	70	20
SL3360S	VM94 D-534592	10N	50N	1500	5N	20N	30	10
SL3361S	VM94 D-534593	10N	50N	500	5N	20N	70	15
SL3362S	VM94 D-534594	10N	50N	1500	5L	20N	70	20
SL3363S	VM94 D-534595	10N	50N	500	5L	20L	10	20
SL3364S	VM94 D-534596	10N	50N	300	5N	20N	15	10
SL3365S	VM94 D-534597	10N	50N	1000	5L	20N	50	10
SL3366S	VM94 D-534598	10N	50N	500	5N	20N	70	15
SL3367S	VM94 D-534599	10N	50L	300	5N	20N	20	20
SL4501S	WB41 D-569127	10N	50L	1500	5N	20N	100	15
SL4502S	WB41 D-569128	10N	50N	2000	5N	20N	100	10L
SL4503S	WB41 D-569129	10N	50L	1000	5N	20N	100	10
SL4504S	WB41 D-569130	10N	50N	700	5N	20N	100	10
SL4505S	WB41 D-569131	10N	50N	1000	5N	20N	150	20
SL4506S	WB41 D-569132	10N	50L	1000	5N	20N	100	15
SL4507S	WB41 D-569133	10N	50N	1500	5N	20N	70	10
SL4508S	WB41 D-569134	10N	50N	1000	7	20N	100	10L
SL4509S	WB41 D-569135	10N	50L	1000	5	20N	70	15
SL4510S	WB41 D-569136	10N	50N	700	5N	20N	70	10
SL4511S	WB41 D-569137	10N	50N	700	5L	20N	100	10
SL4512S	WB41 D-569138	10N	50L	2000	10	20N	100	10
SL4513S	WB41 D-569139	10N	50N	700	5N	20N	70	10L
SL4514S	WB41 D-569140	10N	50L	1000	5N	20N	70	10L
SL4515S	WB41 D-569141	10N	50N	1000	5N	20N	70	10
SL4516S	WB41 D-569142	10N	50N	1500	5N	20N	70	10L
SL4517S	WB41 D-569143	10N	50L	500	5N	20N	70	30
SL4518S	WB41 D-569144	10N	50	700	5N	20N	100	15
SL4519S	WB41 D-569145	10N	50L	1000	5N	20N	70	10L
SL4520S	WB41 D-569146	10N	100	1000	5L	20N	100	10
SL4521S	WB41 D-569147	10N	50L	1000	5N	20N	70	20
SL4522S	WB41 D-569148	10N	50L	1000	5N	20N	100	20
SL4523S	WB41 D-569149	10N	50L	1000	5N	20N	70	15
SL4524S	WB41 D-569150	10N	50N	500	5N	20N	100	15
SL4525S	WB41 D-569152	10N	50N	700	5N	20N	70	10L
SL4526S	WB41 D-569153	10N	50N	500	5N	20N	50	20
SL4527S	WB41 D-569154	10N	50N	700	5N	20N	50	10

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Ge-ppm-S	La-ppm-S	Mn-ppm-S	Mo-ppm-S	Nb-ppm-S	Ni-ppm-S	Pb-ppm-S
SL4528S	WB41 D-569155	10N	50L	500	5N	20N	70	15
SL4529S	WB41 D-569156	10N	50	1000	5N	20N	70	20
SL4530S	WB41 D-569157	10N	50	1000	5L	20N	100	10
SL4531S	WB42 D-569158	10N	50L	500	5N	20N	100	10L
SL4532S	WB42 D-569159	10N	50N	700	5N	20N	100	15
SL4533S	WB42 D-569160	10N	50N	500	5N	20N	100	10L
SL4534S	WB42 D-569161	10N	50N	300	5N	20N	150	10
SL4535S	WB42 D-569162	10N	50N	700	5L	20N	100	10L
SL4536S	WB42 D-569163	10N	50N	300	5N	20N	100	10L
SL4537S	WB42 D-569164	10N	50N	500	5N	20N	70	10N
SL4538S	WB42 D-569165	10N	50L	300	5N	20N	100	10L
SL4539S	WB42 D-569166	10N	50N	700	5N	20N	70	10
SL4540S	WB42 D-569167	10N	50N	700	5L	20N	70	10
SL4541S	WB42 D-569168	10N	50N	700	5N	20N	100	10N
SL4542S	WB42 D-569169	10N	50L	1000	5L	20N	150	15
SL4543S	WB42 D-569170	10N	50L	1000	5N	20N	150	10L
SL4544S	WB42 D-569171	10N	50L	1000	5N	20N	150	15
SL4545S	WB42 D-569172	10N	50L	500	5	20N	100	15
SL4546S	WB42 D-569173	10N	50L	500	5N	20N	50	20
SL4547S	WB42 D-569174	10N	50L	2000	5L	20N	70	15
SL4548S	WB42 D-569175	10N	50N	1000	5L	20N	70	15
SL4549S	WB42 D-569176	10N	50N	300	5N	20N	70	10L
SL4550S	WB42 D-569177	10N	50N	700	5N	20N	50	10
SL4551S	WB42 D-569179	10N	50N	700	5N	20N	100	10L
SL4552S	WB42 D-569180	10N	50N	1500	5N	20N	70	15
SL4553S	WB42 D-569181	10N	50N	1000	7	20N	150	10L
SL4554S	WB42 D-569182	10N	50N	200	5N	20N	10	15
SL4555S	WB42 D-569183	10N	50N	1000	5L	20N	100	10L
SL4556S	WB42 D-569184	10N	50N	500	5L	20N	70	10
SL4557S	WB42 D-569185	10N	50N	150	5N	20N	15	10
SL4558S	WB42 D-569186	10N	50L	200	5N	20N	30	10L
SL4559S	WB42 D-569187	10N	50N	200	5N	20N	15	10L
SL4560S	WB42 D-569189	10N	50L	300	5N	20N	70	10L
SL4561S	WB42 D-569190	10N	50N	500	5L	20N	70	10L

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Sb-ppm-S	Sc-ppm-S	Sn-ppm-S	Sr-ppm-S	Th-ppm-S	V-ppm-S	W-ppm-S
SL3001S	VM74 D-534136	100N	10	10N	150	100N	150	20N
SL3002S	VM74 D-534137	100N	15	10N	150	100N	100	20N
SL3003S	VM74 D-534138	100N	7	150	100L	100N	150	20N
SL3004S	VM74 D-534139	100N	10	10N	100	100N	100	20N
SL3005S	VM74 D-534140	100N	10	10N	100	100N	100	20N
SL3006S	VM74 D-534141	100N	7	10N	100L	100N	150	20N
SL3007S	VM74 D-534142	100N	10	10N	100L	100N	150	20N
SL3008S	VM74 D-534143	100N	7	10N	100L	100N	150	20N
SL3009S	VM74 D-534144	100N	10	10N	100	100N	150	20N
SL3010S	VM74 D-534145	100N	5	10N	100L	100N	100	20N
SL3011S	VM74 D-534146	100N	10	10N	100L	100N	200	20N
SL3012S	VM74 D-534147	100N	7	10N	100L	100N	200	20N
SL3013S	VM74 D-534148	100N	7	10N	100N	100N	150	20N
SL3014S	VM74 D-534149	100N	10	10N	100N	100N	150	20N
SL3015S	VM74 D-534150	100N	10	10N	100L	100N	200	20N
SL3016S	VM74 D-534151	100N	7	20	100L	100N	100	20N
SL3017S	VM74 D-534152	100N	10	10N	100	100N	150	20N
SL3018S	VM74 D-534153	100N	10	10N	100	100N	100	20N
SL3019S	VM74 D-534154	100N	7	10N	100	100N	100	20N
SL3020S	VM74 D-534155	100N	10	10N	100	100N	100	20N
SL3021S	VM74 D-534156	100N	10	10N	100L	100N	150	20N
SL3022S	VM74 D-534157	100N	15	10N	100	100N	200	20N
SL3023S	VM74 D-534158	100N	5	10N	100	100N	100	20N
SL3024S	VM74 D-534159	100N	15	10N	100L	100N	200	20N
SL3025S	VM74 D-534160	100N	7	10N	100L	100N	70	20N
SL3026S	VM74 D-534161	100N	15	10N	100	100N	200	20N
SL3027S	VM74 D-534162	100N	5	10N	100L	100N	50	20N
SL3028S	VM74 D-534163	100N	7	10N	100L	100N	100	20N
SL3029S	VM74 D-534164	100N	10	10N	100	100N	100	20N
SL3030S	VM74 D-534165	100N	7	10N	100L	100N	100	20N
SL3031S	VM74 D-534166	100N	5	10N	100N	100N	70	20N
SL3032S	VM74 D-534167	100N	15	10N	100L	100N	300	20N
SL3033S	VM74 D-534168	100N	10	10N	100L	100N	500	20N
SL3034S	VM74 D-534169	100N	15	10N	100	100N	300	20N
SL3035S	VM74 D-534170	100N	10	10N	100L	100N	200	20N
SL3036S	VM74 D-534171	100N	15	10N	100	100N	200	20N
SL3037S	VM74 D-534172	100N	15	10N	100	100N	300	20N
SL3038S	VM74 D-534173	100N	10	10N	100L	100N	150	20N
SL3039S	VM74 D-534174	100N	10	10N	100L	100N	200	20N
SL3040S	VM74 D-534175	100N	10	10N	100	100N	200	20N
SL3041S	VM75 D-534176	100N	7	10N	100L	100N	150	20N
SL3042S	VM75 D-534177	100N	15	10N	100L	100N	300	20N
SL3043S	VM75 D-534178	100N	10	10N	100	100N	200	20N
SL3044S	VM75 D-534179	100N	10	10N	100L	100N	200	20N
SL3045S	VM75 D-534180	100N	7	10N	150	100N	150	20N
SL3046S	VM75 D-534181	100N	10	10N	100	100N	200	20N

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Sb-ppm-S	Sc-ppm-S	Sn-ppm-S	Sr-ppm-S	Th-ppm-S	V-ppm-S	W-ppm-S
SL3047S	VM75 D-534182	100N	10	10N	100	100N	300	20N
SL3048S	VM75 D-534183	100N	7	10N	100	100N	300	20N
SL3049S	VM75 D-534184	100N	10	10N	100L	100N	300	20N
SL3050S	VM75 D-534185	100N	10	10N	100L	100N	200	20N
SL3051S	VM75 D-534186	100N	15	10N	100L	100N	500	20N
SL3052S	VM75 D-534187	100N	15	10N	100L	100N	500	20N
SL3053S	VM75 D-534188	100N	5	10N	100	100N	100	20N
SL3054S	VM75 D-534189	100N	10	10N	100	100N	300	20N
SL3055S	VM75 D-534190	100N	15	10N	100L	100N	500	20N
SL3056S	VM75 D-534191	100N	15	10N	100	100N	300	20N
SL3057S	VM75 D-534192	100N	20	10N	100	100N	500	20N
SL3058S	VM75 D-534193	100N	10	10N	100L	100N	300	20N
SL3059S	VM75 D-534194	100N	10	10N	100L	100N	200	20N
SL3060S	VM75 D-534195	100N	15	10N	100	100N	200	20N
SL3061S	VM75 D-534196	100N	15	10N	100L	100N	200	20N
SL3064S	VM92 D-534500	100N	10	10N	100	100N	100	20N
SL3065S	VM92 D-534501	100N	15	10N	150	100N	150	20N
SL3066S	VM92 D-534502	100N	10	10L	100L	100N	100	20N
SL3067S	VM92 D-534503	100N	15	10N	100	100N	150	20N
SL3068S	VM92 D-534504	100N	10	10N	100	100N	150	20N
SL3069S	VM92 D-534505	100N	5	10N	100L	100N	70	20N
SL3070S	VM92 D-534506	100N	7	10N	100L	100N	150	20N
SL3071S	VM92 D-534507	100N	10	10N	100L	100N	100	20N
SL3072S	VM92 D-534508	100N	10	10N	100	100N	150	20N
SL3073S	VM92 D-534509	100N	10	10N	100L	100N	100	20N
SL3074S	VM92 D-534510	100N	15	10N	100L	100N	200	20N
SL3075S	VM92 D-534511	100N	15	10N	100	100N	100	20N
SL3076S	VM92 D-534512	100N	5	10N	100L	100N	70	20N
SL3077S	VM92 D-534513	100N	10	10N	100	100N	100	20N
SL3078S	VM92 D-534514	100N	7	10N	100L	100N	70	20N
SL3079S	VM92 D-534515	100N	15	10N	100L	100N	150	20N
SL3080S	VM92 D-534516	100N	15	10N	100	100N	150	20N
SL3081S	VM92 D-534517	100N	15	10N	100L	100N	200	20N
SL3082S	VM92 D-534518	100N	15	10N	100	100N	150	20N
SL3083S	VM92 D-534519	100N	10	10N	100L	100N	200	20N
SL3084S	VM92 D-534520	100N	10	10N	100L	100N	200	20N
SL3085S	VM92 D-534521	100N	10	10N	100L	100N	300	20N
SL3086S	VM92 D-534522	100N	15	10N	100L	100N	300	20N
SL3087S	VM92 D-534523	100N	7	10N	100L	100N	300	20N
SL3088S	VM92 D-534524	100N	10	10N	100	100N	500	20N
SL3089S	VM92 D-534525	100N	7	10N	100L	100N	200	20N
SL3090S	VM92 D-534526	100N	10	10N	100	100N	500	20N
SL3091S	VM92 D-534527	100N	10	10N	100L	100N	700	20N
SL3092S	VM92 D-534528	100N	7	10N	100	100N	500	20N
SL3093S	VM92 D-534529	100N	7	10N	100L	100N	500	20N
SL3094S	VM92 D-534530	100N	5	10N	100L	100N	500	20

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Sb-ppm-S	Sc-ppm-S	Sn-ppm-S	Sr-ppm-S	Th-ppm-S	V-ppm-S	W-ppm-S
SL3095S	VM92 D-534531	100N	7	10N	100L	100N	700	20N
SL3096S	VM92 D-534532	100N	7	10N	100L	100N	500	20N
SL3097S	VM92 D-534533	100N	10	10	100L	100N	500	20L
SL3098S	VM92 D-534534	100N	7	10N	100L	100N	200	20N
SL3099S	VM92 D-534535	100N	10	10L	100L	100N	150	20N
SL3101S	VM75 D-534197	100N	7	10N	100L	100N	150	20N
SL3102S	VM75 D-534198	100N	5	10N	100N	100N	200	20N
SL3103S	VM75 D-534199	100N	7	10N	100L	100N	200	20N
SL3104S	VM75 D-534200	100N	7	10N	100L	100N	150	20N
SL3105S	VM75 D-534201	100N	10	10N	100L	100N	500	20N
SL3106S	VM75 D-534202	100N	7	10N	100N	100N	300	20N
SL3107S	VM75 D-534203	100N	5	10N	100N	100N	200	20N
SL3108S	VM75 D-534204	100N	7	10N	100N	100N	300	20N
SL3109S	VM75 D-534205	100N	5	10N	100L	100N	200	20N
SL3110S	VM75 D-534206	100N	7	10N	100N	100N	200	20N
SL3111S	VM75 D-534207	100N	7	10N	100L	100N	300	20N
SL3112S	VM75 D-534208	100N	5	10N	100	100N	200	20N
SL3113S	VM75 D-534209	100N	7	10N	100	100N	200	20N
SL3114S	VM75 D-534210	100N	5	10N	100L	100N	150	20N
SL3115S	VM75 D-534211	100N	10	10N	100	100N	200	20N
SL3116S	VM75 D-534212	100N	5	10N	100L	100N	100	20N
SL3117S	VM75 D-534213	100N	10	10N	100L	100N	200	20N
SL3118S	VM75 D-534214	100N	15	10N	100L	100N	300	20N
SL3119S	VM75 D-534215	100N	7	10N	100N	100N	70	20N
SL3120S	VM76 D-534216	100N	10	10N	100	100N	150	20N
SL3121S	VM76 D-534217	100N	10	10N	100	100N	150	20N
SL3122S	VM76 D-534218	100N	10	10N	100	100N	100	20N
SL3123S	VM76 D-534219	100N	15	10N	100L	100N	200	20N
SL3124S	VM76 D-534220	100N	7	10N	100L	100N	150	20N
SL3125S	VM76 D-534221	100N	10	10N	100	100N	200	20N
SL3126S	VM76 D-534222	100N	10	10N	150	100N	200	20N
SL3127S	VM76 D-534223	100N	7	10N	100L	100N	200	20N
SL3128S	VM76 D-534224	100N	15	10N	100	100N	300	20N
SL3129S	VM76 D-534225	100N	7	10N	100	100N	200	20N
SL3130S	VM76 D-534226	100N	10	10N	100L	100N	500	20N
SL3131S	VM76 D-534227	100N	10	10N	100	100N	500	20N
SL3132S	VM76 D-534228	100N	15	10N	100	100N	500	20N
SL3133S	VM76 D-534229	100N	5	10N	100L	100N	150	20N
SL3134S	VM76 D-534230	100N	10	10N	100	100N	300	20N
SL3135S	VM76 D-534231	100N	10	10N	100L	100N	300	20N
SL3136S	VM76 D-534232	100N	15	10N	100L	100N	200	20N
SL3137S	VM76 D-534233	100N	10	10N	100L	100N	200	20N
SL3138S	VM76 D-534234	100N	5	10N	100L	100N	150	20N
SL3139S	VM76 D-534235	100N	5	10N	100L	100N	70	20N
SL3140S	VM76 D-534236	100N	15	10N	100	100N	200	20N
SL3141S	VM76 D-534237	100N	10	10N	100L	100N	200	20N

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Sb-ppm-S	Sc-ppm-S	Sn-ppm-S	Sr-ppm-S	Th-ppm-S	V-ppm-S	W-ppm-S
SL3142S	VM76 D-534238	100N	20	10N	150	100N	300	20N
SL3143S	VM76 D-534239	100N	5	10N	100L	100N	100	20N
SL3144S	VM76 D-534240	100N	7	10N	100L	100N	300	20N
SL3145S	VM76 D-534241	100N	15	10N	100	100N	500	20N
SL3146S	VM76 D-534242	100N	7	10N	100L	100N	200	20N
SL3147S	VM76 D-534243	100N	7	10N	100L	100N	200	20N
SL3148S	VM76 D-534244	100N	10	10N	100L	100N	500	20N
SL3149S	VM92 D-534536	100N	7	10N	100L	100N	150	20N
SL3150S	VM92 D-534537	100N	5	10N	100L	100N	150	20N
SL3151S	VM93 D-534538	100N	5	10N	100	100N	70	20N
SL3152S	VM93 D-534539	100N	15	10N	100	100N	100	20N
SL3153S	VM93 D-534540	100N	5L	10N	100L	100N	50	20N
SL3154S	VM93 D-534541	100N	5	10N	100N	100N	100	20N
SL3155S	VM93 D-534542	100N	7	10N	100L	100N	100	20N
SL3156S	VM93 D-534543	100N	10	10N	100L	100N	150	20N
SL3157S	VM93 D-534544	100N	10	10N	100L	100N	150	20N
SL3158S	VM93 D-534545	100N	7	10N	100L	100N	150	20N
SL3159S	VM93 D-534546	100N	10	10N	100L	100N	200	20N
SL3160S	VM93 D-534547	100N	7	10N	100L	100N	150	20N
SL3161S	VM93 D-534548	100N	10	10N	100L	100N	200	20N
SL3200S	VM76 D-534245	100N	7	10N	100L	100N	500	20N
SL3201S	VM76 D-534246	100N	7	10N	100L	100N	200	20N
SL3202S	VM76 D-534247	100N	5	10N	100L	100N	500	20N
SL3203S	VM76 D-534248	100N	7	10N	100N	100N	500	20N
SL3204S	VM76 D-534249	100N	7	10N	100N	100N	500	20N
SL3205S	VM76 D-534250	100N	7	10N	100L	100N	300	20N
SL3206S	VM76 D-534251	100N	10	10N	100L	100N	300	20N
SL3207S	VM76 D-534252	100N	10	10N	100	100N	200	20N
SL3208S	VM76 D-534253	100N	15	10N	100	100N	300	20N
SL3209S	VM76 D-534254	100N	5	10N	100L	100N	150	20N
SL3210S	VM76 D-534255	100N	10	10N	100L	100N	300	20N
SL3211S	VM77 D-534256	100N	15	10N	100	100N	200	20N
SL3212S	VM77 D-534257	100N	7	10L	100L	100N	100	20N
SL3213S	VM77 D-534258	100N	7	10L	100	100N	150	20N
SL3214S	VM77 D-534259	100N	10	10N	100	100N	200	20N
SL3215S	VM77 D-534260	100N	10	10N	100L	100N	300	20N
SL3216S	VM77 D-534261	100N	15	10N	100L	100N	300	20N
SL3217S	VM77 D-534262	100N	15	10N	100	100N	500	20N
SL3218S	VM77 D-534263	100N	5	10N	100L	100N	200	20N
SL3219S	VM77 D-534264	100N	10	10N	100	100N	300	20N
SL3220S	VM77 D-534265	100N	7	10N	100	100N	300	20N
SL3221S	VM77 D-534266	100N	10	10N	100	100N	500	20N
SL3222S	VM77 D-534267	100N	15	10N	150	100N	500	20N
SL3223S	VM77 D-534268	100N	10	10N	100L	100N	700	20N
SL3224S	VM77 D-534269	100N	10	10N	100	100N	500	20N
SL3225S	VM77 D-534270	100N	15	10N	100L	100N	500	20N

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Sb-ppm-S	Sc-ppm-S	Sn-ppm-S	Sr-ppm-S	Th-ppm-S	V-ppm-S	W-ppm-S
SL3226S	VM77 D-534271	100N	10	10N	100L	100N	200	20N
SL3227S	VM77 D-534272	100N	15	10N	100	100N	300	20N
SL3228S	VM77 D-534273	100N	10	10N	100L	100N	300	20N
SL3229S	VM77 D-534274	100N	7	10N	100	100N	200	20N
SL3230S	VM77 D-534275	100N	7	10N	150	100N	200	20N
SL3231S	VM77 D-534276	100N	15	10N	150	100N	200	20N
SL3232S	VM77 D-534277	100N	15	10N	100L	100N	150	20N
SL3233S	VM77 D-534278	100N	10	10N	100L	100N	150	20N
SL3234S	VM77 D-534279	100N	7	10N	100L	100N	100	20N
SL3235S	VM77 D-534280	100N	10	10N	100	100N	100	20N
SL3236S	VM77 D-534281	100N	10	10N	100	100N	150	20N
SL3237S	VM77 D-534282	100N	10	10N	100	100N	100	20N
SL3238S	VM77 D-534283	100N	15	10N	150	100N	200	20N
SL3239S	VM77 D-534284	100N	10	10N	100	100N	150	20N
SL3240S	VM77 D-534285	100N	10	10N	100L	100N	200	20N
SL3241S	VM93 D-534549	100N	7	10N	100L	100N	150	20N
SL3242S	VM93 D-534550	100N	10	10N	100L	100N	200	20N
SL3243S	VM93 D-534551	100N	5L	10N	100N	100N	30	20N
SL3244S	VM93 D-534552	100N	10	10N	100L	100N	200	20N
SL3245S	VM93 D-534553	100N	15	10N	100L	100N	300	20N
SL3246S	VM93 D-534554	100N	5	10N	100L	100N	70	20N
SL3247S	VM93 D-534555	100N	15	10N	100L	100N	300	20N
SL3248S	VM93 D-534556	100N	10	10N	100N	100N	150	20N
SL3249S	VM93 D-534557	100N	10	10N	100L	100N	100	20N
SL3250S	VM93 D-534558	100N	10	10N	100N	100N	150	20N
SL3251S	VM93 D-534559	100N	5	10N	100L	100N	100	20N
SL3252S	VM93 D-534560	100N	7	10N	100L	100N	200	20N
SL3253S	VM93 D-534561	100N	7	10N	100L	100N	200	20N
SL3254S	VM93 D-534562	100N	5	10N	100L	100N	150	20N
SL3255S	VM93 D-534563	100N	10	10N	100L	100N	200	20N
SL3256S	VM93 D-534564	100N	7	10N	100L	100N	200	20N
SL3257S	VM93 D-534565	100N	10	10N	100L	100N	200	20L
SL3258S	VM93 D-534566	100N	5L	10N	100L	100N	50	20N
SL3259S	VM93 D-534567	100N	5	10L	100L	100N	70	20N
SL3260S	VM93 D-534568	100N	5	10N	100L	100N	100	20N
SL3261S	VM93 D-534569	100N	10	10N	100L	100N	200	20N
SL3262S	VM93 D-534570	100N	10	10N	100L	100N	300	20N
SL3263S	VM93 D-534571	100N	15	10N	100	100N	300	20N
SL3264S	VM93 D-534572	100N	5L	10L	100L	100N	70	20N
SL3265S	VM93 D-534573	100N	5	10N	100L	100N	100	20N
SL3266S	VM93 D-534574	100N	7	10N	100L	100N	300	20N
SL3267S	VM93 D-534575	100N	7	10N	100L	100N	150	20N
SL3268S	VM93 D-534576	100N	10	10N	100L	100N	200	20N
SL3269S	VM93 D-534577	100N	7	10N	100N	100N	150	20N
SL3301S	VM77 D-534286	100N	10	10N	100L	100N	150	20N
SL3302S	VM77 D-534287	100N	10	10N	100L	100N	150	20N

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Sb-ppm-S	Sc-ppm-S	Sn-ppm-S	Sr-ppm-S	Th-ppm-S	V-ppm-S	W-ppm-S
SL3303S	VM77 D-534288	100N	7	10N	100L	100N	150	20N
SL3304S	VM77 D-534289	100N	10	10N	100L	100N	100	20N
SL3305S	VM77 D-534290	100N	15	10N	100	100N	150	20N
SL3306S	VM77 D-534291	100N	15	10N	150	100N	150	20N
SL3307S	VM77 D-534292	100N	10	10N	100L	100N	150	20N
SL3308S	VM77 D-534293	100N	7	10L	100L	100N	70	20N
SL3309S	VM77 D-534294	100N	15	10N	150	100N	150	20N
SL3310S	VM77 D-534295	100N	15	10N	100	100N	150	20N
SL3311S	VM78 D-534296	100N	10	10N	100L	100N	100	20N
SL3312S	VM78 D-534297	100N	7	30	100L	100N	50	20N
SL3313S	VM78 D-534298	300	15	10L	100L	100N	200	20N
SL3314S	VM78 D-534299	100N	15	10N	100L	100N	150	20N
SL3315S	VM78 D-534300	100N	5	10N	100L	100N	70	20N
SL3316S	VM78 D-534301	100N	15	10N	100L	100N	150	20N
SL3317S	VM78 D-534302	100N	10	10N	100L	100N	150	20N
SL3318S	VM78 D-534303	100N	15	10N	100L	100N	200	20N
SL3319S	VM78 D-534304	100N	7	10N	100L	100N	200	20N
SL3320S	VM78 D-534305	100N	10	10N	100	100N	200	20N
SL3321S	VM78 D-534306	100N	10	10N	100	100N	150	20N
SL3322S	VM78 D-534307	100N	10	10N	100	100N	200	20N
SL3323S	VM78 D-534308	100N	10	10N	100L	100N	150	20N
SL3324S	VM78 D-534309	100N	15	10N	100	100N	300	20N
SL3325S	VM78 D-534310	100N	15	10N	100L	100N	200	20N
SL3326S	VM78 D-534311	100N	10	10N	100L	100N	150	20N
SL3327S	VM78 D-534312	100N	10	10N	100L	100N	150	20N
SL3328S	VM78 D-534313	100N	15	10N	150	100N	150	20N
SL3329S	VM78 D-534314	100N	10	10N	100L	100N	100	20N
SL3330S	VM78 D-534315	100N	10	10N	100	100N	150	20N
SL3331S	VM78 D-534316	100N	10	10N	100	100N	150	20N
SL3332S	VM78 D-534317	100N	15	10N	100L	100N	200	20N
SL3333S	VM78 D-534318	100N	15	10N	100L	100N	300	20N
SL3334S	VM78 D-534319	100N	10	10N	100L	100N	200	20N
SL3335S	VM78 D-534320	100N	15	10N	100	100N	500	20N
SL3336S	VM78 D-534321	100N	5	10N	100L	100N	70	20N
SL3337S	VM78 D-534322	100N	7	10N	100L	100N	100	20N
SL3338S	VM78 D-534323	100N	15	10N	100L	100N	500	20N
SL3339S	VM78 D-534324	100N	10	10N	100L	100N	500	20N
SL3340S	VM78 D-534325	100N	15	10N	100L	100N	500	20N
SL3341S	VM78 D-534326	100N	10	10N	100	100N	300	20N
SL3342S	VM78 D-534327	100N	10	10N	100L	100N	300	20N
SL3343S	VM78 D-534328	100N	15	10N	100L	100N	200	20N
SL3344S	VM78 D-534329	100N	10	10N	100L	100N	300	20N
SL3345S	VM78 D-534330	100N	7	10N	100L	100N	200	20N
SL3346S	VM94 D-534578	100N	5	10N	100N	100N	100	20N
SL3347S	VM94 D-534579	100N	10	10N	100L	100N	150	20N
SL3348S	VM94 D-534580	100N	5L	10N	100L	100N	70	20N

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Sb-ppm-S	Sc-ppm-S	Sn-ppm-S	Sr-ppm-S	Th-ppm-S	V-ppm-S	W-ppm-S
SL3349S	VM94 D-534581	100N	15	10N	100L	100N	150	20N
SL3350S	VM94 D-534582	100N	5	10N	100L	100N	70	20N
SL3351S	VM94 D-534583	100N	5	10N	100L	100N	100	20N
SL3352S	VM94 D-534584	100N	5	10N	100L	100N	70	20N
SL3353S	VM94 D-534585	100N	10	10N	100L	100N	150	20N
SL3354S	VM94 D-534586	100N	10	10N	100L	100N	200	20N
SL3355S	VM94 D-534587	100N	15	10N	100L	100N	200	20N
SL3356S	VM94 D-534588	100N	10	10N	100L	100N	300	20N
SL3357S	VM94 D-534589	100N	7	10N	100L	100N	150	20N
SL3358S	VM94 D-534590	100N	7	10N	100L	100N	150	20N
SL3359S	VM94 D-534591	100N	15	10N	100L	100N	200	20
SL3360S	VM94 D-534592	100N	5	10N	100L	100N	100	20N
SL3361S	VM94 D-534593	100N	10	10N	100L	100N	200	20N
SL3362S	VM94 D-534594	100N	10	10N	100L	100N	200	20N
SL3363S	VM94 D-534595	100N	7	10L	100L	100N	100	20N
SL3364S	VM94 D-534596	100N	5	10N	100N	100N	150	20N
SL3365S	VM94 D-534597	100N	10	10N	100L	100N	200	20N
SL3366S	VM94 D-534598	100N	10	10N	100L	100N	200	20N
SL3367S	VM94 D-534599	100N	7	10N	100L	100N	100	20N
SL4501S	WB41 D-569127	100N	20	10N	100N	100N	300	20N
SL4502S	WB41 D-569128	100N	15	10N	100L	100N	200	20N
SL4503S	WB41 D-569129	100N	20	10N	100L	100N	200	20N
SL4504S	WB41 D-569130	100N	15	10N	100N	100N	200	20N
SL4505S	WB41 D-569131	100N	30	10N	100N	100N	300	20N
SL4506S	WB41 D-569132	100N	20	10N	100L	100N	300	20N
SL4507S	WB41 D-569133	100N	20	10N	150	100N	200	20N
SL4508S	WB41 D-569134	100N	15	10N	100N	100N	150	20N
SL4509S	WB41 D-569135	100N	15	10N	100L	100N	150	20N
SL4510S	WB41 D-569136	100N	20	10N	100	100N	200	20N
SL4511S	WB41 D-569137	100N	20	10N	100L	100N	200	20N
SL4512S	WB41 D-569138	100N	20	10N	100	100N	300	20N
SL4513S	WB41 D-569139	100N	20	10N	100	100N	200	20N
SL4514S	WB41 D-569140	100N	20	10N	100L	100N	200	20N
SL4515S	WB41 D-569141	100N	15	10N	100N	100N	200	20N
SL4516S	WB41 D-569142	100N	15	10N	100N	100N	200	20N
SL4517S	WB41 D-569143	100N	15	10N	100N	100N	150	20N
SL4518S	WB41 D-569144	100N	30	10N	100L	100N	200	20N
SL4519S	WB41 D-569145	100N	10	10N	100N	100N	200	20N
SL4520S	WB41 D-569146	100N	20	10N	100N	100N	300	20N
SL4521S	WB41 D-569147	100N	10	10N	100N	100N	200	20N
SL4522S	WB41 D-569148	100N	15	10N	100N	100N	200	20N
SL4523S	WB41 D-569149	100N	15	10N	100L	100N	150	20N
SL4524S	WB41 D-569150	100N	15	10N	100L	100N	200	20N
SL4525S	WB41 D-569152	100N	20	10N	100	100N	200	20N
SL4526S	WB41 D-569153	100N	10	10N	100L	100N	100	20N
SL4527S	WB41 D-569154	100N	10	10N	100L	100N	150	20N

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Sb-ppm-S	Sc-ppm-S	Sn-ppm-S	Sr-ppm-S	Th-ppm-S	V-ppm-S	W-ppm-S
SL4528S	WB41 D-569155	100N	15	10N	100N	100N	200	20N
SL4529S	WB41 D-569156	100N	15	10N	100L	100N	200	20N
SL4530S	WB41 D-569157	100N	20	10N	100L	100N	300	20N
SL4531S	WB42 D-569158	100N	15	10N	100L	100N	150	20N
SL4532S	WB42 D-569159	100N	10	10N	100N	100N	200	20N
SL4533S	WB42 D-569160	100N	10	10N	100L	100N	150	20N
SL4534S	WB42 D-569161	100N	7	10N	100N	100N	200	20N
SL4535S	WB42 D-569162	100N	20	10N	100L	100N	500	20N
SL4536S	WB42 D-569163	100N	20	10N	100L	100N	200	20N
SL4537S	WB42 D-569164	100N	15	10N	100L	100N	200	20N
SL4538S	WB42 D-569165	100N	15	10N	100L	100N	150	20N
SL4539S	WB42 D-569166	100N	20	10N	100	100N	200	20N
SL4540S	WB42 D-569167	100N	20	10N	100L	100N	200	20N
SL4541S	WB42 D-569168	100N	20	10N	100N	100N	300	20N
SL4542S	WB42 D-569169	100N	15	10N	100N	100N	300	20N
SL4543S	WB42 D-569170	100N	15	10N	100N	100N	500	20N
SL4544S	WB42 D-569171	100N	15	10N	100N	100N	500	20N
SL4545S	WB42 D-569172	100N	20	10N	100L	100N	300	20N
SL4546S	WB42 D-569173	100N	7	10N	100L	100N	150	20N
SL4547S	WB42 D-569174	100N	15	10N	100	100N	150	20N
SL4548S	WB42 D-569175	100N	10	10N	100L	100N	150	20N
SL4549S	WB42 D-569176	100N	10	10N	100L	100N	150	20N
SL4550S	WB42 D-569177	100N	10	10N	100	100N	200	20N
SL4551S	WB42 D-569179	100N	15	10N	100L	100N	300	20N
SL4552S	WB42 D-569180	100N	15	10N	100	100N	300	20N
SL4553S	WB42 D-569181	100N	20	10N	100L	100N	200	20N
SL4554S	WB42 D-569182	100N	5L	10N	100N	100N	70	20N
SL4555S	WB42 D-569183	100N	15	10N	100L	100N	150	20N
SL4556S	WB42 D-569184	100N	15	10N	100L	100N	200	20N
SL4557S	WB42 D-569185	100N	5L	10N	100N	100N	100	20N
SL4558S	WB42 D-569186	100N	7	10N	100L	100N	100	20N
SL4559S	WB42 D-569187	100N	5L	10N	100L	100N	100	20N
SL4560S	WB42 D-569189	100N	10	10N	100L	100N	150	20N
SL4561S	WB42 D-569190	100N	15	10N	100L	100N	150	20N

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Y-ppm-S	Zn-ppm-S	Zr-ppm-S	Ag-ppm-ICP	As-ppm-ICP	Au-ppm-ICP
SL3001S	VM74 D-534136	15	200N	200	<0.067	11	<0.10
SL3002S	VM74 D-534137	30	200N	300	<0.067	11	<0.10
SL3003S	VM74 D-534138	10	200N	200	0.075	4.9	<0.10
SL3004S	VM74 D-534139	20	200N	200	<0.067	5.4	<0.10
SL3005S	VM74 D-534140	15	200N	1000	<0.067	11	<0.10
SL3006S	VM74 D-534141	10	200N	500	0.070	15	<0.10
SL3007S	VM74 D-534142	15	200N	500	0.071	7.5	<0.10
SL3008S	VM74 D-534143	15	200N	300	<0.067	3.9	<0.10
SL3009S	VM74 D-534144	30	200N	500	0.073	4.6	<0.10
SL3010S	VM74 D-534145	10	200N	300	<0.067	6.4	<0.10
SL3011S	VM74 D-534146	20	200N	700	<0.067	5.6	<0.10
SL3012S	VM74 D-534147	30	200N	500	0.54	9.0	0.65
SL3013S	VM74 D-534148	10	200N	1000	<0.067	7.8	<0.10
SL3014S	VM74 D-534149	15	200N	200	<0.067	11	<0.10
SL3015S	VM74 D-534150	15	200N	300	<0.067	6.0	<0.10
SL3016S	VM74 D-534151	10	200N	300	<0.067	3.8	<0.10
SL3017S	VM74 D-534152	15	200N	200	<0.067	4.1	<0.10
SL3018S	VM74 D-534153	20	200N	500	<0.067	3.8	<0.10
SL3019S	VM74 D-534154	20	200N	200	0.11	4.2	<0.10
SL3020S	VM74 D-534155	15	200N	100	<0.067	15	<0.10
SL3021S	VM74 D-534156	15	200N	150	<0.067	31	<0.10
SL3022S	VM74 D-534157	30	200L	200	0.28	17	<0.10
SL3023S	VM74 D-534158	10	200N	150	0.16	87	<0.10
SL3024S	VM74 D-534159	50	200N	500	0.14	86	<0.10
SL3025S	VM74 D-534160	30	200N	150	0.27	45	<0.10
SL3026S	VM74 D-534161	15	200N	200	0.071	5.4	<0.10
SL3027S	VM74 D-534162	20	200N	1000	<0.067	13	<0.10
SL3028S	VM74 D-534163	30	200N	1000	<0.067	12	<0.10
SL3029S	VM74 D-534164	70	200N	700	0.11	43	<0.10
SL3030S	VM74 D-534165	20	200N	500	0.071	17	<0.10
SL3031S	VM74 D-534166	20	200N	300	0.075	41	<0.10
SL3032S	VM74 D-534167	20	200N	500	0.13	210	<0.10
SL3033S	VM74 D-534168	30	200	300	0.33	55	<0.10
SL3034S	VM74 D-534169	20	200N	200	0.15	29	<0.10
SL3035S	VM74 D-534170	15	200N	200	<0.067	13	<0.10
SL3036S	VM74 D-534171	15	200N	150	<0.067	5.5	<0.10
SL3037S	VM74 D-534172	10	200N	200	<0.067	7.9	<0.10
SL3038S	VM74 D-534173	15	200N	100	0.11	20	<0.10
SL3039S	VM74 D-534174	15	200N	150	<0.067	9.1	<0.10
SL3040S	VM74 D-534175	10	200N	200	0.076	6.1	<0.10
SL3041S	VM75 D-534176	10	200L	150	<0.067	8.2	<0.10
SL3042S	VM75 D-534177	20	200L	500	<0.067	7.3	<0.10
SL3043S	VM75 D-534178	15	200N	100	<0.067	7.6	<0.10
SL3044S	VM75 D-534179	10	200N	300	<0.067	5.3	<0.10
SL3045S	VM75 D-534180	10L	200N	100	<0.067	7.8	<0.10
SL3046S	VM75 D-534181	10	200N	150	<0.067	7.0	<0.10

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Y-ppm-S	Zn-ppm-S	Zr-ppm-S	Ag-ppm-ICP	As-ppm-ICP	Au-ppm-ICP
SL3047S	VM75 D-534182	15	200N	200	<0.067	5.9	<0.10
SL3048S	VM75 D-534183	10L	200N	200	<0.067	8.6	<0.10
SL3049S	VM75 D-534184	15	200N	150	<0.067	14	<0.10
SL3050S	VM75 D-534185	20	200N	700	<0.067	20	<0.10
SL3051S	VM75 D-534186	15	200N	200	<0.067	25	<0.10
SL3052S	VM75 D-534187	20	200N	300	<0.067	19	<0.10
SL3053S	VM75 D-534188	10	200N	200	<0.067	19	<0.10
SL3054S	VM75 D-534189	15	200N	300	<0.067	13	<0.10
SL3055S	VM75 D-534190	15	200N	200	<0.067	14	<0.10
SL3056S	VM75 D-534191	20	200N	150	0.074	62	<0.10
SL3057S	VM75 D-534192	20	200N	200	0.15	120	<0.10
SL3058S	VM75 D-534193	200	200N	150	<0.067	19	<0.10
SL3059S	VM75 D-534194	10L	200N	100	<0.067	15	<0.10
SL3060S	VM75 D-534195	20	200N	100	0.069	40	<0.10
SL3061S	VM75 D-534196	15	200N	300	<0.067	130	<0.10
SL3064S	VM92 D-534500	20	200N	300	0.15	96	<0.10
SL3065S	VM92 D-534501	30	200L	200	0.15	84	<0.10
SL3066S	VM92 D-534502	30	200N	300	0.13	260	<0.10
SL3067S	VM92 D-534503	30	200N	200	0.11	44	<0.10
SL3068S	VM92 D-534504	15	200N	500	<0.067	14	<0.10
SL3069S	VM92 D-534505	15	200N	200	<0.067	34	<0.10
SL3070S	VM92 D-534506	15	200N	200	<0.067	9.8	<0.10
SL3071S	VM92 D-534507	10	200N	150	<0.067	7.0	<0.10
SL3072S	VM92 D-534508	20	200N	500	<0.067	4.9	<0.10
SL3073S	VM92 D-534509	20	200N	300	<0.067	2.7	<0.10
SL3074S	VM92 D-534510	20	200N	500	<0.067	35	<0.10
SL3075S	VM92 D-534511	30	200N	300	<0.067	250	<0.10
SL3076S	VM92 D-534512	10L	200N	200	0.068	27	<0.10
SL3077S	VM92 D-534513	20	200N	500	<0.067	4.9	<0.10
SL3078S	VM92 D-534514	15	200N	300	<0.067	5.3	<0.10
SL3079S	VM92 D-534515	30	200L	200	0.61	84	1.3
SL3080S	VM92 D-534516	20	200N	100	0.15	15	<0.10
SL3081S	VM92 D-534517	20	200N	150	0.33	38	<0.10
SL3082S	VM92 D-534518	15	200L	150	0.098	35	<0.10
SL3083S	VM92 D-534519	15	200N	300	0.075	22	<0.10
SL3084S	VM92 D-534520	15	200N	500	0.11	37	<0.10
SL3085S	VM92 D-534521	10L	200N	300	0.085	75	<0.10
SL3086S	VM92 D-534522	30	200N	300	0.22	49	<0.10
SL3087S	VM92 D-534523	10L	200N	200	<0.067	27	<0.10
SL3088S	VM92 D-534524	10	200N	1000	<0.067	12	<0.10
SL3089S	VM92 D-534525	10L	200N	1000	<0.067	15	<0.10
SL3090S	VM92 D-534526	10L	200N	200	0.077	5.7	<0.10
SL3091S	VM92 D-534527	10	200N	300	<0.067	9.4	<0.10
SL3092S	VM92 D-534528	10L	200N	300	<0.067	5.1	<0.10
SL3093S	VM92 D-534529	10	200N	200	<0.067	6.6	<0.10
SL3094S	VM92 D-534530	10L	200N	200	<0.067	40	<0.10

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Y-ppm-S	Zn-ppm-S	Zr-ppm-S	Ag-ppm-ICP	As-ppm-ICP	Au-ppm-ICP
SL3095S	VM92 D-534531	10	200N	200	0.097	7.6	<0.10
SL3096S	VM92 D-534532	10	200N	500	<0.067	8.1	<0.10
SL3097S	VM92 D-534533	20	200N	500	0.50	160	<0.10
SL3098S	VM92 D-534534	15	200N	200	0.19	97	<0.10
SL3099S	VM92 D-534535	20	200N	200	0.23	79	<0.10
SL3101S	VM75 D-534197	10	200N	200	<0.067	6.8	<0.10
SL3102S	VM75 D-534198	10L	200N	200	<0.067	3.8	<0.10
SL3103S	VM75 D-534199	15	200N	1000	<0.067	2.9	<0.10
SL3104S	VM75 D-534200	10	200N	700	<0.067	2.2	<0.10
SL3105S	VM75 D-534201	50	200N	1000	<0.067	5.8	<0.10
SL3106S	VM75 D-534202	10	200N	500	<0.067	8.9	<0.10
SL3107S	VM75 D-534203	10L	200N	200	<0.067	8.1	<0.10
SL3108S	VM75 D-534204	10	200N	1000	<0.067	5.8	<0.10
SL3109S	VM75 D-534205	10	200N	500	<0.067	5.2	<0.10
SL3110S	VM75 D-534206	15	200N	300	<0.067	8.2	<0.10
SL3111S	VM75 D-534207	15	200N	500	<0.067	7.7	<0.10
SL3112S	VM75 D-534208	15	200N	1000	<0.067	5.2	<0.10
SL3113S	VM75 D-534209	20	200N	500	<0.067	7.4	<0.10
SL3114S	VM75 D-534210	10L	200N	150	<0.067	11	<0.10
SL3115S	VM75 D-534211	20	200N	500	<0.067	36	<0.10
SL3116S	VM75 D-534212	20	200N	200	<0.067	7.2	<0.10
SL3117S	VM75 D-534213	50	200N	200	0.18	270	<0.10
SL3118S	VM75 D-534214	50	200N	300	0.10	280	<0.10
SL3119S	VM75 D-534215	30	200N	1000	<0.067	5.8	<0.10
SL3120S	VM76 D-534216	20	200N	200	<0.067	26	<0.10
SL3121S	VM76 D-534217	30	200N	200	0.15	61	<0.10
SL3122S	VM76 D-534218	15	200N	150	<0.067	65	<0.10
SL3123S	VM76 D-534219	30	200N	150	0.13	22	<0.10
SL3124S	VM76 D-534220	20	200N	300	<0.067	7.6	<0.10
SL3125S	VM76 D-534221	20	200N	150	<0.067	6.3	<0.10
SL3126S	VM76 D-534222	10	200N	150	<0.067	8.3	<0.10
SL3127S	VM76 D-534223	20	200N	150	<0.067	4.6	<0.10
SL3128S	VM76 D-534224	15	200N	150	0.077	4.5	<0.10
SL3129S	VM76 D-534225	10	200N	100	<0.067	3.8	<0.10
SL3130S	VM76 D-534226	30	200L	200	0.12	7.1	<0.10
SL3131S	VM76 D-534227	20	200L	300	0.078	6.7	<0.10
SL3132S	VM76 D-534228	30	200N	200	0.12	3.8	<0.10
SL3133S	VM76 D-534229	10	200N	150	<0.067	7.5	<0.10
SL3134S	VM76 D-534230	20	200N	700	0.075	5.9	<0.10
SL3135S	VM76 D-534231	20	200N	150	<0.067	14	<0.10
SL3136S	VM76 D-534232	50	200N	150	0.11	7.0	<0.10
SL3137S	VM76 D-534233	15	200N	150	<0.067	12	<0.10
SL3138S	VM76 D-534234	20	200N	200	0.21	60	<0.10
SL3139S	VM76 D-534235	15	200N	100	0.25	6.8	<0.10
SL3140S	VM76 D-534236	15	200N	150	<0.067	5.4	<0.10
SL3141S	VM76 D-534237	10	200N	100	0.11	4.2	<0.10

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Y-ppm-S	Zn-ppm-S	Zr-ppm-S	Ag-ppm-ICP	As-ppm-ICP	Au-ppm-ICP
SL3142S	VM76 D-534238	20	200N	200	0.10	44	<0.10
SL3143S	VM76 D-534239	15	200N	100	0.077	36	<0.10
SL3144S	VM76 D-534240	10	200N	150	<0.067	32	<0.10
SL3145S	VM76 D-534241	10	200N	150	<0.067	7.7	<0.10
SL3146S	VM76 D-534242	20	200N	200	0.14	23	<0.10
SL3147S	VM76 D-534243	20	200N	200	0.18	65	<0.10
SL3148S	VM76 D-534244	20	200N	200	0.069	85	<0.10
SL3149S	VM92 D-534536	10	200N	150	<0.067	16	<0.10
SL3150S	VM92 D-534537	10	200N	300	<0.067	4.1	<0.10
SL3151S	VM93 D-534538	10	200N	100	0.086	5.0	<0.10
SL3152S	VM93 D-534539	20	200N	150	0.077	90	<0.10
SL3153S	VM93 D-534540	10L	200N	150	0.13	14	<0.10
SL3154S	VM93 D-534541	10	200N	200	0.085	5.8	<0.10
SL3155S	VM93 D-534542	15	200N	300	0.10	3.2	<0.10
SL3156S	VM93 D-534543	30	200N	150	0.27	67	<0.10
SL3157S	VM93 D-534544	20	200N	100	0.24	56	<0.10
SL3158S	VM93 D-534545	15	200N	150	0.17	3.9	<0.10
SL3159S	VM93 D-534546	10	200N	200	0.11	12	<0.10
SL3160S	VM93 D-534547	15	200N	300	0.23	4.4	<0.10
SL3161S	VM93 D-534548	20	200N	200	0.16	45	<0.10
SL3200S	VM76 D-534245	15	200N	500	<0.067	8.5	<0.10
SL3201S	VM76 D-534246	15	200N	500	0.067	6.3	<0.10
SL3202S	VM76 D-534247	10	200N	200	<0.067	4.4	<0.10
SL3203S	VM76 D-534248	10L	200N	150	<0.067	6.2	<0.10
SL3204S	VM76 D-534249	15	200N	500	<0.067	6.9	<0.10
SL3205S	VM76 D-534250	10	200N	500	0.071	3.1	<0.10
SL3206S	VM76 D-534251	20	200N	500	0.095	3.8	<0.10
SL3207S	VM76 D-534252	30	200N	500	0.082	4.8	<0.10
SL3208S	VM76 D-534253	10	200N	100	<0.067	10	<0.10
SL3209S	VM76 D-534254	10	200N	150	0.30	9.4	<0.10
SL3210S	VM76 D-534255	15	200N	200	0.13	5.4	<0.10
SL3211S	VM77 D-534256	20	200N	150	0.17	11	<0.10
SL3212S	VM77 D-534257	15	200N	200	<0.067	37	<0.10
SL3213S	VM77 D-534258	20	200N	300	<0.067	29	<0.10
SL3214S	VM77 D-534259	30	200N	500	0.11	4.9	<0.10
SL3215S	VM77 D-534260	15	200N	100	0.18	260	<0.10
SL3216S	VM77 D-534261	20	200N	300	0.18	37	<0.10
SL3217S	VM77 D-534262	20	200N	300	0.11	32	<0.10
SL3218S	VM77 D-534263	10L	200N	200	0.15	65	<0.10
SL3219S	VM77 D-534264	15	200N	300	0.10	40	<0.10
SL3220S	VM77 D-534265	10	200N	200	<0.067	5.9	<0.10
SL3221S	VM77 D-534266	10	200N	300	<0.067	4.9	<0.10
SL3222S	VM77 D-534267	10	200N	150	<0.067	4.5	<0.10
SL3223S	VM77 D-534268	15	200N	200	0.13	8.9	<0.10
SL3224S	VM77 D-534269	15	200N	150	<0.067	8.9	<0.10
SL3225S	VM77 D-534270	15	200N	200	0.096	5.0	<0.10

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Y-ppm-S	Zn-ppm-S	Zr-ppm-S	Ag-ppm-ICP	As-ppm-ICP	Au-ppm-ICP
SL3226S	VM77 D-534271	10	200N	200	<0.067	5.2	<0.10
SL3227S	VM77 D-534272	20	200N	200	0.073	9.5	<0.10
SL3228S	VM77 D-534273	15	200N	150	0.14	2.9	<0.10
SL3229S	VM77 D-534274	10	200N	150	<0.067	12	<0.10
SL3230S	VM77 D-534275	10	200N	150	<0.067	5.1	<0.10
SL3231S	VM77 D-534276	20	200N	200	<0.067	6.9	<0.10
SL3232S	VM77 D-534277	20	200N	150	<0.067	10	<0.10
SL3233S	VM77 D-534278	20	200N	100	<0.067	13	<0.10
SL3234S	VM77 D-534279	20	200N	100	0.13	8.5	<0.10
SL3235S	VM77 D-534280	15	200N	150	0.081	13	<0.10
SL3236S	VM77 D-534281	20	200N	200	<0.067	11	<0.10
SL3237S	VM77 D-534282	15	200N	150	<0.067	16	<0.10
SL3238S	VM77 D-534283	20	200N	200	0.13	220	<0.10
SL3239S	VM77 D-534284	15	200N	100	<0.067	14	<0.10
SL3240S	VM77 D-534285	10	200N	100	<0.067	29	<0.10
SL3241S	VM93 D-534549	10L	200N	150	0.081	6.7	<0.10
SL3242S	VM93 D-534550	15	200N	150	0.15	40	<0.10
SL3243S	VM93 D-534551	10	200N	200	0.087	21	<0.10
SL3244S	VM93 D-534552	20	200N	150	0.17	55	<0.10
SL3245S	VM93 D-534553	15	200L	200	<0.067	17	<0.10
SL3246S	VM93 D-534554	10L	200N	200	<0.067	5.5	<0.10
SL3247S	VM93 D-534555	15	200N	150	<0.067	15	<0.10
SL3248S	VM93 D-534556	10	200N	100	<0.067	33	<0.10
SL3249S	VM93 D-534557	20	200N	200	0.18	160	<0.10
SL3250S	VM93 D-534558	15	200N	150	0.10	63	<0.10
SL3251S	VM93 D-534559	15	200N	100	0.15	28	<0.10
SL3252S	VM93 D-534560	15	200L	150	0.093	8.6	<0.10
SL3253S	VM93 D-534561	10	200N	200	0.067	7.6	<0.10
SL3254S	VM93 D-534562	10L	200N	150	<0.067	7.2	<0.10
SL3255S	VM93 D-534563	10	200N	200	<0.067	6.4	<0.10
SL3256S	VM93 D-534564	10L	200N	100	0.20	51	<0.10
SL3257S	VM93 D-534565	10L	200N	150	<0.067	30	<0.10
SL3258S	VM93 D-534566	15	200N	500	0.15	30	<0.10
SL3259S	VM93 D-534567	30	200N	200	0.24	28	<0.10
SL3260S	VM93 D-534568	30	200N	150	0.11	80	<0.10
SL3261S	VM93 D-534569	20	200N	500	0.28	76	<0.10
SL3262S	VM93 D-534570	20	200N	200	0.25	66	<0.10
SL3263S	VM93 D-534571	30	200N	300	0.18	17	<0.10
SL3264S	VM93 D-534572	20	200N	100	0.13	90	<0.10
SL3265S	VM93 D-534573	15	200N	100	0.15	84	<0.10
SL3266S	VM93 D-534574	20	200L	150	0.28	310	<0.10
SL3267S	VM93 D-534575	15	200N	150	0.20	130	<0.10
SL3268S	VM93 D-534576	20	200L	200	0.27	210	<0.10
SL3269S	VM93 D-534577	10	200L	200	0.14	95	<0.10
SL3301S	VM77 D-534286	15	200N	500	<0.067	5.5	<0.10
SL3302S	VM77 D-534287	15	200N	300	<0.067	11	<0.10

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Y-ppm-S	Zn-ppm-S	Zr-ppm-S	Ag-ppm-ICP	As-ppm-ICP	Au-ppm-ICP
SL3303S	VM77 D-534288	10L	200N	150	<0.067	4.0	<0.10
SL3304S	VM77 D-534289	15	200N	150	<0.067	33	<0.10
SL3305S	VM77 D-534290	20	200N	200	<0.067	150	<0.10
SL3306S	VM77 D-534291	20	200N	200	<0.067	50	<0.10
SL3307S	VM77 D-534292	10	200N	100	<0.067	6.5	<0.10
SL3308S	VM77 D-534293	15	200N	200	<0.067	21	<0.10
SL3309S	VM77 D-534294	20	200N	150	<0.067	13	<0.10
SL3310S	VM77 D-534295	20	200N	150	0.078	5.3	<0.10
SL3311S	VM78 D-534296	30	200N	100	<0.067	25	<0.10
SL3312S	VM78 D-534297	50	200N	500	<0.067	17	<0.10
SL3313S	VM78 D-534298	50	200N	300	0.39	270	<0.10
SL3314S	VM78 D-534299	30	200N	150	0.13	320	<0.10
SL3315S	VM78 D-534300	15	200N	500	<0.067	28	<0.10
SL3316S	VM78 D-534301	20	200N	300	0.12	55	<0.10
SL3317S	VM78 D-534302	20	200N	200	<0.067	19	<0.10
SL3318S	VM78 D-534303	20	200N	200	<0.067	28	<0.10
SL3319S	VM78 D-534304	10	200N	100	<0.067	13	<0.10
SL3320S	VM78 D-534305	15	200N	150	<0.067	9.1	<0.10
SL3321S	VM78 D-534306	20	200N	200	<0.067	7.4	<0.10
SL3322S	VM78 D-534307	10L	200N	100	<0.067	2.4	<0.10
SL3323S	VM78 D-534308	10	200N	100	<0.067	5.4	<0.10
SL3324S	VM78 D-534309	30	200	200	0.18	5.2	<0.10
SL3325S	VM78 D-534310	15	200N	150	<0.067	2.8	<0.10
SL3326S	VM78 D-534311	10	200N	200	<0.067	4.2	<0.10
SL3327S	VM78 D-534312	20	200N	100	<0.067	5.4	<0.10
SL3328S	VM78 D-534313	10	200N	200	<0.067	5.8	<0.10
SL3329S	VM78 D-534314	15	200N	150	<0.067	13	<0.10
SL3330S	VM78 D-534315	10	200N	70	<0.067	13	<0.10
SL3331S	VM78 D-534316	15	200N	150	<0.067	20	<0.10
SL3332S	VM78 D-534317	20	200N	100	<0.067	21	<0.10
SL3333S	VM78 D-534318	20	200N	150	<0.067	18	<0.10
SL3334S	VM78 D-534319	30	200N	200	<0.067	12	<0.10
SL3335S	VM78 D-534320	15	200N	150	<0.067	16	<0.10
SL3336S	VM78 D-534321	20	200N	500	<0.067	3.5	<0.10
SL3337S	VM78 D-534322	20	200N	300	<0.067	5.4	<0.10
SL3338S	VM78 D-534323	20	200N	200	<0.067	11	<0.10
SL3339S	VM78 D-534324	15	200N	300	<0.067	55	<0.10
SL3340S	VM78 D-534325	20	200N	200	<0.067	24	<0.10
SL3341S	VM78 D-534326	10	200N	300	<0.067	17	<0.10
SL3342S	VM78 D-534327	10	200N	150	0.067	47	<0.10
SL3343S	VM78 D-534328	50	200N	700	0.13	46	<0.10
SL3344S	VM78 D-534329	10	200N	200	<0.067	6.6	<0.10
SL3345S	VM78 D-534330	10L	200N	200	<0.067	6.5	<0.10
SL3346S	VM94 D-534578	10L	200N	150	<0.067	8.4	<0.10
SL3347S	VM94 D-534579	20	200N	300	<0.067	130	<0.10
SL3348S	VM94 D-534580	10	200N	150	<0.067	19	<0.10

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Y-ppm-S	Zn-ppm-S	Zr-ppm-S	Ag-ppm-ICP	As-ppm-ICP	Au-ppm-ICP
SL3349S	VM94 D-534581	20	200N	150	<0.067	69	<0.10
SL3350S	VM94 D-534582	15	200N	150	<0.067	120	<0.10
SL3351S	VM94 D-534583	15	200N	200	<0.067	3.8	<0.10
SL3352S	VM94 D-534584	10L	200N	200	<0.067	3.1	<0.10
SL3353S	VM94 D-534585	50	200N	150	0.76	150	<0.10
SL3354S	VM94 D-534586	20	200N	150	0.13	45	<0.10
SL3355S	VM94 D-534587	20	200N	300	0.21	53	<0.10
SL3356S	VM94 D-534588	10	200N	200	<0.067	14	<0.10
SL3357S	VM94 D-534589	10L	200N	200	0.088	35	<0.10
SL3358S	VM94 D-534590	10	200N	70	0.19	9.8	<0.10
SL3359S	VM94 D-534591	20	200N	200	0.23	42	<0.10
SL3360S	VM94 D-534592	10	200N	200	0.25	64	<0.10
SL3361S	VM94 D-534593	15	200N	200	0.084	37	<0.10
SL3362S	VM94 D-534594	20	200N	100	0.20	170	<0.10
SL3363S	VM94 D-534595	20	200N	1000	0.10	87	<0.10
SL3364S	VM94 D-534596	10L	200N	70	0.14	150	<0.10
SL3365S	VM94 D-534597	20	200N	300	0.13	74	<0.10
SL3366S	VM94 D-534598	20	200N	200	0.14	63	<0.10
SL3367S	VM94 D-534599	20	200N	150	0.42	130	<0.10
SL4501S	WB41 D-569127	30	200L	200	0.088	12	<0.10
SL4502S	WB41 D-569128	15	200N	150	<0.080	5.3	<0.10
SL4503S	WB41 D-569129	20	200N	200	<0.080	5.3	<0.10
SL4504S	WB41 D-569130	10	200N	200	<0.080	15	<0.10
SL4505S	WB41 D-569131	20	200N	300	0.11	19	<0.10
SL4506S	WB41 D-569132	20	200N	200	0.14	15	<0.10
SL4507S	WB41 D-569133	15	200N	150	<0.080	27	<0.10
SL4508S	WB41 D-569134	20	200N	500	0.21	81	<0.10
SL4509S	WB41 D-569135	30	200N	200	0.36	66	<0.10
SL4510S	WB41 D-569136	15	200N	200	0.084	7.8	<0.10
SL4511S	WB41 D-569137	30	200N	150	0.19	270	<0.10
SL4512S	WB41 D-569138	50	200L	200	0.21	250	<0.10
SL4513S	WB41 D-569139	20	200N	200	<0.080	5.0	<0.10
SL4514S	WB41 D-569140	30	200N	200	<0.080	9.7	<0.10
SL4515S	WB41 D-569141	10	200N	150	0.14	9.1	<0.10
SL4516S	WB41 D-569142	15	200N	150	0.092	6.5	<0.10
SL4517S	WB41 D-569143	15	200N	100	<0.080	2.2	<0.10
SL4518S	WB41 D-569144	30	200N	300	<0.080	3.9	<0.10
SL4519S	WB41 D-569145	15	200N	200	0.12	15	<0.10
SL4520S	WB41 D-569146	30	200N	300	0.085	11	<0.10
SL4521S	WB41 D-569147	10	200N	100	0.12	20	<0.10
SL4522S	WB41 D-569148	15	200N	150	0.23	20	<0.10
SL4523S	WB41 D-569149	20	200N	150	0.14	13	<0.10
SL4524S	WB41 D-569150	20	200N	200	0.11	4.0	<0.10
SL4525S	WB41 D-569152	20	200N	200	<0.080	3.8	<0.10
SL4526S	WB41 D-569153	10	200N	70	<0.080	3.7	<0.10
SL4527S	WB41 D-569154	10	200N	100	<0.080	1.6	<0.10

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Y-ppm-S	Zn-ppm-S	Zr-ppm-S	Ag-ppm-ICP	As-ppm-ICP	Au-ppm-ICP
SL4528S	WB41 D-569155	15	200N	100	0.25	5.3	0.35
SL4529S	WB41 D-569156	20	200N	150	0.15	15	<0.10
SL4530S	WB41 D-569157	30	200N	300	0.11	12	<0.10
SL4531S	WB42 D-569158	70	200N	300	<0.080	5.9	<0.10
SL4532S	WB42 D-569159	10	200N	200	<0.080	7.8	<0.10
SL4533S	WB42 D-569160	10	200N	150	<0.080	4.3	<0.10
SL4534S	WB42 D-569161	15	200N	1000	0.099	13	<0.10
SL4535S	WB42 D-569162	30	200N	300	<0.080	6.2	<0.10
SL4536S	WB42 D-569163	20	200N	200	<0.080	17	<0.10
SL4537S	WB42 D-569164	15	200L	200	<0.080	10	<0.10
SL4538S	WB42 D-569165	15	200N	200	<0.080	3.6	<0.10
SL4539S	WB42 D-569166	20	200N	150	0.13	30	<0.10
SL4540S	WB42 D-569167	20	200N	200	0.13	120	<0.10
SL4541S	WB42 D-569168	15	200N	500	<0.080	13	<0.10
SL4542S	WB42 D-569169	15	200N	300	0.11	110	<0.10
SL4543S	WB42 D-569170	15	200N	200	0.11	9.5	<0.10
SL4544S	WB42 D-569171	15	200N	200	0.11	10	<0.10
SL4545S	WB42 D-569172	20	200N	500	0.14	76	<0.10
SL4546S	WB42 D-569173	15	200N	150	0.28	91	<0.10
SL4547S	WB42 D-569174	20	200N	150	0.19	21	<0.10
SL4548S	WB42 D-569175	20	200N	150	0.26	74	<0.10
SL4549S	WB42 D-569176	15	200N	200	0.084	8.3	<0.10
SL4550S	WB42 D-569177	15	200N	200	0.19	110	<0.10
SL4551S	WB42 D-569179	20	200N	200	0.13	96	<0.10
SL4552S	WB42 D-569180	20	200N	300	0.13	98	<0.10
SL4553S	WB42 D-569181	30	200N	500	<0.080	8.1	<0.10
SL4554S	WB42 D-569182	10N	200N	100	0.094	22	<0.10
SL4555S	WB42 D-569183	15	200N	200	<0.080	9.9	<0.10
SL4556S	WB42 D-569184	15	200N	150	<0.080	6.9	<0.10
SL4557S	WB42 D-569185	10N	200N	70	<0.080	21	<0.10
SL4558S	WB42 D-569186	10	200N	200	<0.080	4.2	<0.10
SL4559S	WB42 D-569187	10N	200N	150	<0.080	19	<0.10
SL4560S	WB42 D-569189	15	200N	150	<0.080	14	<0.10
SL4561S	WB42 D-569190	20	200N	150	0.090	5.2	<0.10

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Bi-ppm-ICP	Cd-ppm-ICP	Cu-ppm-ICP	Mo-ppm-ICP	Pb-ppm-ICP	Sb-ppm-ICP
SL3001S	VM74 D-534136	<0.67	0.093	13	1.1	6.2	0.74
SL3002S	VM74 D-534137	<0.67	0.075	11	0.85	5.8	1.2
SL3003S	VM74 D-534138	<0.67	0.15	15	0.87	6.7	<0.67
SL3004S	VM74 D-534139	<0.67	0.10	10	0.74	4.5	<0.67
SL3005S	VM74 D-534140	<0.67	0.092	12	0.76	6.4	1.4
SL3006S	VM74 D-534141	<0.67	0.099	12	0.61	5.9	2.3
SL3007S	VM74 D-534142	<0.67	0.12	15	0.63	5.4	<0.67
SL3008S	VM74 D-534143	<0.67	<0.05	12	0.34	5.8	<0.67
SL3009S	VM74 D-534144	<0.67	0.15	13	0.53	7.1	0.67
SL3010S	VM74 D-534145	<0.67	0.091	13	0.46	6.4	<0.67
SL3011S	VM74 D-534146	<0.67	0.11	13	0.56	6.0	1.1
SL3012S	VM74 D-534147	<0.67	0.10	13	0.45	4.9	2.1
SL3013S	VM74 D-534148	<0.67	0.071	14	0.62	5.9	2.1
SL3014S	VM74 D-534149	<0.67	0.070	17	0.50	7.5	1.4
SL3015S	VM74 D-534150	<0.67	0.076	11	0.50	5.5	<0.67
SL3016S	VM74 D-534151	<0.67	0.072	11	0.49	5.2	<0.67
SL3017S	VM74 D-534152	<0.67	0.078	11	0.61	5.2	<0.67
SL3018S	VM74 D-534153	<0.67	0.11	11	0.32	5.5	<0.67
SL3019S	VM74 D-534154	<0.67	0.16	12	0.45	7.2	<0.67
SL3020S	VM74 D-534155	<0.67	0.12	9.3	0.48	7.5	0.71
SL3021S	VM74 D-534156	<0.67	0.13	13	0.68	7.1	1.4
SL3022S	VM74 D-534157	<0.67	0.29	15	0.87	16	2.1
SL3023S	VM74 D-534158	<0.67	0.27	12	1.7	10	<0.67
SL3024S	VM74 D-534159	2.5	0.17	36	1.3	21	3.2
SL3025S	VM74 D-534160	5.1	0.16	12	2.5	14	1.2
SL3026S	VM74 D-534161	<0.67	0.074	11	0.72	7.8	0.76
SL3027S	VM74 D-534162	1.8	0.16	6.5	0.60	7.1	1.8
SL3028S	VM74 D-534163	1.3	0.12	6.4	0.57	6.2	1.3
SL3029S	VM74 D-534164	<0.67	0.38	6.6	1.1	10	0.72
SL3030S	VM74 D-534165	1.7	0.20	6.2	0.67	8.5	1.6
SL3031S	VM74 D-534166	<0.67	0.17	9.2	0.94	9.7	2.9
SL3032S	VM74 D-534167	1.8	0.33	43	4.6	14	5.7
SL3033S	VM74 D-534168	<0.67	6.1	57	8.2	10	5.1
SL3034S	VM74 D-534169	<0.67	0.48	25	3.1	8.3	1.8
SL3035S	VM74 D-534170	<0.67	0.22	45	2.0	11	1.3
SL3036S	VM74 D-534171	<0.67	0.12	51	1.0	8.2	<0.67
SL3037S	VM74 D-534172	<0.67	0.18	35	1.3	7.4	<0.67
SL3038S	VM74 D-534173	<0.67	0.43	27	2.3	8.8	0.69
SL3039S	VM74 D-534174	<0.67	0.29	22	1.9	7.4	0.77
SL3040S	VM74 D-534175	<0.67	0.41	32	2.1	8.8	1.4
SL3041S	VM75 D-534176	<0.67	0.093	35	1.2	7.9	0.68
SL3042S	VM75 D-534177	<0.67	0.076	36	0.73	7.7	<0.67
SL3043S	VM75 D-534178	<0.67	0.078	40	1.9	6.1	0.76
SL3044S	VM75 D-534179	<0.67	0.085	39	1.3	6.0	<0.67
SL3045S	VM75 D-534180	<0.67	0.11	18	1.2	3.2	<0.67
SL3046S	VM75 D-534181	<0.67	0.19	35	1.3	6.1	<0.67

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Bi-ppm-ICP	Cd-ppm-ICP	Cu-ppm-ICP	Mo-ppm-ICP	Pb-ppm-ICP	Sb-ppm-ICP
SL3047S	VM75 D-534182	<0.67	0.15	40	0.89	7.7	0.86
SL3048S	VM75 D-534183	<0.67	0.082	43	1.0	6.5	2.0
SL3049S	VM75 D-534184	<0.67	0.14	54	3.3	13	1.6
SL3050S	VM75 D-534185	<0.67	0.18	72	2.3	18	1.9
SL3051S	VM75 D-534186	<0.67	0.15	53	1.6	11	3.0
SL3052S	VM75 D-534187	<0.67	0.25	68	2.4	19	1.4
SL3053S	VM75 D-534188	<0.67	0.11	9.5	5.9	10	<0.67
SL3054S	VM75 D-534189	<0.67	0.10	29	1.6	8.6	1.1
SL3055S	VM75 D-534190	<0.67	0.088	21	1.5	8.6	<0.67
SL3056S	VM75 D-534191	<0.67	0.30	30	3.2	10	16
SL3057S	VM75 D-534192	<0.67	0.18	23	1.9	8.1	2.2
SL3058S	VM75 D-534193	<0.67	0.39	56	3.0	15	1.5
SL3059S	VM75 D-534194	<0.67	0.077	62	1.3	11	1.2
SL3060S	VM75 D-534195	<0.67	0.21	34	1.9	13	2.8
SL3061S	VM75 D-534196	<0.67	0.16	25	1.4	8.7	1.6
SL3064S	VM92 D-534500	3.7	0.13	21	1.0	8.1	2.7
SL3065S	VM92 D-534501	<0.67	0.21	20	1.6	7.6	2.6
SL3066S	VM92 D-534502	13	0.35	39	0.78	9.3	4.0
SL3067S	VM92 D-534503	<0.67	0.15	22	1.3	10	1.9
SL3068S	VM92 D-534504	<0.67	0.25	15	1.1	7.9	1.3
SL3069S	VM92 D-534505	<0.67	0.13	18	1.1	6.3	1.3
SL3070S	VM92 D-534506	<0.67	0.095	17	0.52	8.3	0.68
SL3071S	VM92 D-534507	<0.67	0.092	13	0.42	6.3	0.83
SL3072S	VM92 D-534508	<0.67	0.087	14	0.36	6.1	<0.67
SL3073S	VM92 D-534509	<0.67	0.13	12	0.38	6.0	<0.67
SL3074S	VM92 D-534510	<0.67	0.083	13	0.47	6.8	2.9
SL3075S	VM92 D-534511	<0.67	0.072	21	0.91	5.3	4.0
SL3076S	VM92 D-534512	<0.67	0.28	5.6	0.43	9.5	0.96
SL3077S	VM92 D-534513	<0.67	0.10	11	0.71	7.9	<0.67
SL3078S	VM92 D-534514	<0.67	0.091	11	0.70	6.9	<0.67
SL3079S	VM92 D-534515	13	0.32	39	1.1	25	8.3
SL3080S	VM92 D-534516	<0.67	0.20	19	1.4	10	1.7
SL3081S	VM92 D-534517	2.2	0.26	37	1.2	15	3.7
SL3082S	VM92 D-534518	<0.67	0.18	36	1.2	12	1.2
SL3083S	VM92 D-534519	<0.67	0.13	20	1.1	10	1.3
SL3084S	VM92 D-534520	<0.67	0.13	14	1.0	9.6	1.3
SL3085S	VM92 D-534521	<0.67	0.21	23	1.4	10	1.8
SL3086S	VM92 D-534522	0.74	0.24	30	1.2	14	5.0
SL3087S	VM92 D-534523	<0.67	0.087	18	0.99	9.8	1.8
SL3088S	VM92 D-534524	<0.67	0.066	18	0.80	8.2	1.2
SL3089S	VM92 D-534525	<0.67	0.064	12	0.63	7.5	1.9
SL3090S	VM92 D-534526	<0.67	0.21	34	1.4	7.4	0.85
SL3091S	VM92 D-534527	<0.67	0.11	47	1.1	10	<0.67
SL3092S	VM92 D-534528	<0.67	0.086	26	0.75	9.5	<0.67
SL3093S	VM92 D-534529	<0.67	0.066	32	0.72	9.6	<0.67
SL3094S	VM92 D-534530	<0.67	0.19	26	2.7	6.2	1.6

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Bi-ppm-ICP	Cd-ppm-ICP	Cu-ppm-ICP	Mo-ppm-ICP	Pb-ppm-ICP	Sb-ppm-ICP
SL3095S	VM92 D-534531	<0.67	0.25	37	1.3	8.6	1.2
SL3096S	VM92 D-534532	<0.67	0.072	30	0.93	9.3	1.0
SL3097S	VM92 D-534533	9.5	0.84	48	1.4	21	3.3
SL3098S	VM92 D-534534	3.9	0.31	23	2.2	17	2.5
SL3099S	VM92 D-534535	3.8	0.27	26	1.4	14	2.7
SL3101S	VM75 D-534197	<0.67	0.12	13	0.96	6.4	<0.67
SL3102S	VM75 D-534198	<0.67	0.10	14	0.81	5.5	<0.67
SL3103S	VM75 D-534199	<0.67	0.082	9.9	0.26	5.1	<0.67
SL3104S	VM75 D-534200	<0.67	0.073	12	0.40	6.2	<0.67
SL3105S	VM75 D-534201	<0.67	0.11	14	0.65	6.3	2.7
SL3106S	VM75 D-534202	<0.67	0.10	17	0.70	6.6	1.2
SL3107S	VM75 D-534203	<0.67	0.093	15	0.68	6.3	0.96
SL3108S	VM75 D-534204	<0.67	0.11	15	0.54	6.1	<0.67
SL3109S	VM75 D-534205	<0.67	0.10	12	0.53	6.6	<0.67
SL3110S	VM75 D-534206	<0.67	0.14	17	0.59	6.5	0.99
SL3111S	VM75 D-534207	<0.67	0.14	18	0.62	7.2	2.4
SL3112S	VM75 D-534208	<0.67	0.20	15	0.46	6.8	<0.67
SL3113S	VM75 D-534209	<0.67	0.14	16	0.51	7.6	<0.67
SL3114S	VM75 D-534210	<0.67	0.18	14	0.56	9.4	0.94
SL3115S	VM75 D-534211	<0.67	0.15	18	0.95	8.9	1.0
SL3116S	VM75 D-534212	<0.67	0.30	8.0	1.3	9.2	0.89
SL3117S	VM75 D-534213	11	0.41	44	1.4	17	5.3
SL3118S	VM75 D-534214	26	0.54	33	1.5	12	28
SL3119S	VM75 D-534215	<0.67	0.19	7.3	0.73	8.5	1.0
SL3120S	VM76 D-534216	<0.67	0.21	35	2.6	11	2.6
SL3121S	VM76 D-534217	0.89	0.081	18	0.93	9.4	2.1
SL3122S	VM76 D-534218	<0.67	0.13	8.2	1.2	7.0	2.0
SL3123S	VM76 D-534219	<0.67	0.20	36	1.4	11	1.2
SL3124S	VM76 D-534220	<0.67	0.14	23	2.7	10	<0.67
SL3125S	VM76 D-534221	<0.67	0.086	31	1.5	9.0	<0.67
SL3126S	VM76 D-534222	<0.67	<0.05	24	0.49	4.6	<0.67
SL3127S	VM76 D-534223	<0.67	0.10	27	1.1	8.8	<0.67
SL3128S	VM76 D-534224	<0.67	0.11	32	1.3	7.2	<0.67
SL3129S	VM76 D-534225	<0.67	0.083	29	1.0	6.5	0.69
SL3130S	VM76 D-534226	<0.67	0.43	31	2.9	8.5	<0.67
SL3131S	VM76 D-534227	<0.67	0.10	27	0.92	8.2	<0.67
SL3132S	VM76 D-534228	<0.67	0.16	22	1.3	6.1	<0.67
SL3133S	VM76 D-534229	<0.67	<0.05	10	0.93	5.6	<0.67
SL3134S	VM76 D-534230	<0.67	0.17	30	2.1	8.5	<0.67
SL3135S	VM76 D-534231	<0.67	0.20	52	2.3	12	0.92
SL3136S	VM76 D-534232	<0.67	0.50	41	2.4	12	<0.67
SL3137S	VM76 D-534233	<0.67	0.11	41	1.7	8.1	1.9
SL3138S	VM76 D-534234	<0.67	0.19	19	5.2	9.3	3.3
SL3139S	VM76 D-534235	<0.67	0.20	13	4.7	11	<0.67
SL3140S	VM76 D-534236	<0.67	0.14	22	1.0	5.9	<0.67
SL3141S	VM76 D-534237	<0.67	0.18	21	1.3	7.2	<0.67

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Bi-ppm-ICP	Cd-ppm-ICP	Cu-ppm-ICP	Mo-ppm-ICP	Pb-ppm-ICP	Sb-ppm-ICP
SL3142S	VM76 D-534238	<0.67	0.23	19	2.7	7.6	4.5
SL3143S	VM76 D-534239	<0.67	0.23	20	1.6	7.9	2.6
SL3144S	VM76 D-534240	<0.67	0.059	42	1.4	8.8	2.1
SL3145S	VM76 D-534241	<0.67	0.065	40	0.94	7.5	<0.67
SL3146S	VM76 D-534242	<0.67	0.072	18	1.5	8.6	1.8
SL3147S	VM76 D-534243	1.2	0.15	15	1.3	8.7	0.80
SL3148S	VM76 D-534244	<0.67	0.16	19	1.1	6.7	0.84
SL3149S	VM92 D-534536	<0.67	0.10	12	0.64	7.9	1.6
SL3150S	VM92 D-534537	<0.67	0.10	12	0.48	6.9	0.68
SL3151S	VM93 D-534538	<0.67	0.11	7.7	0.22	5.2	<0.67
SL3152S	VM93 D-534539	<0.67	0.061	11	0.33	3.2	1.8
SL3153S	VM93 D-534540	<0.67	0.18	5.3	0.35	8.0	0.84
SL3154S	VM93 D-534541	<0.67	0.12	9.3	0.58	5.1	<0.67
SL3155S	VM93 D-534542	<0.67	0.12	8.9	0.23	4.1	<0.67
SL3156S	VM93 D-534543	15	0.27	26	0.97	18	2.9
SL3157S	VM93 D-534544	5.1	0.22	19	1.0	14	3.9
SL3158S	VM93 D-534545	<0.67	0.23	15	0.93	7.0	<0.67
SL3159S	VM93 D-534546	<0.67	0.14	24	0.78	10	0.79
SL3160S	VM93 D-534547	<0.67	0.23	16	1.7	10	<0.67
SL3161S	VM93 D-534548	<0.67	0.10	15	1.1	9.9	1.7
SL3200S	VM76 D-534245	<0.67	0.11	16	0.63	5.7	1.2
SL3201S	VM76 D-534246	<0.67	0.16	19	0.76	7.2	1.1
SL3202S	VM76 D-534247	<0.67	0.17	19	0.89	6.7	<0.67
SL3203S	VM76 D-534248	<0.67	0.085	16	0.68	7.2	1.1
SL3204S	VM76 D-534249	<0.67	0.079	12	0.49	5.5	1.6
SL3205S	VM76 D-534250	<0.67	0.090	11	0.54	4.8	<0.67
SL3206S	VM76 D-534251	<0.67	0.15	13	0.35	5.8	<0.67
SL3207S	VM76 D-534252	<0.67	0.12	9.9	0.53	6.9	<0.67
SL3208S	VM76 D-534253	<0.67	0.067	19	0.34	5.4	<0.67
SL3209S	VM76 D-534254	<0.67	0.29	6.6	0.64	24	<0.67
SL3210S	VM76 D-534255	<0.67	0.14	12	1.0	8.6	<0.67
SL3211S	VM77 D-534256	<0.67	0.21	21	1.5	9.8	1.4
SL3212S	VM77 D-534257	1.1	0.12	7.3	1.6	6.1	0.70
SL3213S	VM77 D-534258	2.7	0.15	17	0.67	7.8	0.73
SL3214S	VM77 D-534259	<0.67	0.21	12	1.2	8.9	0.75
SL3215S	VM77 D-534260	1.5	0.42	50	3.3	12	9.0
SL3216S	VM77 D-534261	<0.67	0.14	20	1.4	7.8	2.4
SL3217S	VM77 D-534262	<0.67	0.17	26	1.6	7.3	2.3
SL3218S	VM77 D-534263	<0.67	0.12	12	0.83	8.4	0.75
SL3219S	VM77 D-534264	<0.67	0.21	36	2.2	9.2	1.0
SL3220S	VM77 D-534265	<0.67	0.073	33	1.7	6.9	<0.67
SL3221S	VM77 D-534266	<0.67	0.056	31	0.67	5.3	<0.67
SL3222S	VM77 D-534267	<0.67	<0.05	16	0.60	5.1	<0.67
SL3223S	VM77 D-534268	<0.67	0.43	33	2.6	9.2	0.74
SL3224S	VM77 D-534269	<0.67	0.081	43	1.2	9.6	1.3
SL3225S	VM77 D-534270	<0.67	0.13	33	1.1	9.3	0.76

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Bi-ppm-ICP	Cd-ppm-ICP	Cu-ppm-ICP	Mo-ppm-ICP	Pb-ppm-ICP	Sb-ppm-ICP
SL3226S	VM77 D-534271	<0.67	0.057	31	0.85	9.2	<0.67
SL3227S	VM77 D-534272	<0.67	0.097	34	2.0	8.6	0.79
SL3228S	VM77 D-534273	<0.67	0.30	24	1.5	7.8	<0.67
SL3229S	VM77 D-534274	<0.67	0.10	16	1.4	6.1	<0.67
SL3230S	VM77 D-534275	<0.67	0.075	18	0.91	5.1	<0.67
SL3231S	VM77 D-534276	<0.67	0.12	42	1.9	9.5	<0.67
SL3232S	VM77 D-534277	<0.67	0.14	76	3.2	17	0.86
SL3233S	VM77 D-534278	<0.67	0.34	49	1.6	9.1	3.0
SL3234S	VM77 D-534279	<0.67	0.54	64	1.6	13	1.6
SL3235S	VM77 D-534280	<0.67	0.15	33	4.1	14	1.0
SL3236S	VM77 D-534281	<0.67	0.11	21	1.3	16	1.3
SL3237S	VM77 D-534282	<0.67	0.11	21	2.3	11	0.96
SL3238S	VM77 D-534283	<0.67	0.18	23	2.0	9.2	1.8
SL3239S	VM77 D-534284	<0.67	0.18	50	3.4	12	1.3
SL3240S	VM77 D-534285	<0.67	0.075	59	2.4	13	4.4
SL3241S	VM93 D-534549	<0.67	0.052	12	0.38	7.1	<0.67
SL3242S	VM93 D-534550	<0.67	0.18	13	1.0	6.7	1.7
SL3243S	VM93 D-534551	1.4	0.12	6.4	0.26	4.9	1.6
SL3244S	VM93 D-534552	<0.67	0.13	21	1.3	9.6	1.8
SL3245S	VM93 D-534553	<0.67	0.10	17	0.68	8.3	0.76
SL3246S	VM93 D-534554	<0.67	0.13	10	0.37	8.2	<0.67
SL3247S	VM93 D-534555	<0.67	0.17	25	1.3	8.3	1.1
SL3248S	VM93 D-534556	<0.67	0.21	27	2.1	11	1.3
SL3249S	VM93 D-534557	1.4	0.16	28	1.2	20	3.4
SL3250S	VM93 D-534558	<0.67	0.21	30	1.1	14	8.3
SL3251S	VM93 D-534559	0.76	0.17	11	0.58	9.5	1.7
SL3252S	VM93 D-534560	<0.67	0.35	36	1.5	10	0.84
SL3253S	VM93 D-534561	<0.67	0.21	35	1.4	9.7	0.90
SL3254S	VM93 D-534562	<0.67	0.086	33	0.91	12	1.4
SL3255S	VM93 D-534563	<0.67	0.073	24	0.80	9.9	0.91
SL3256S	VM93 D-534564	<0.67	0.35	26	4.3	9.6	3.8
SL3257S	VM93 D-534565	<0.67	0.20	30	2.6	7.6	1.4
SL3258S	VM93 D-534566	2.8	0.29	15	1.4	18	1.9
SL3259S	VM93 D-534567	2.8	0.34	15	1.5	20	2.1
SL3260S	VM93 D-534568	25	0.35	16	1.1	14	2.2
SL3261S	VM93 D-534569	4.3	0.43	22	1.5	16	2.2
SL3262S	VM93 D-534570	3.6	0.21	24	2.4	18	2.6
SL3263S	VM93 D-534571	<0.67	0.51	22	4.4	11	3.5
SL3264S	VM93 D-534572	2.2	0.40	15	1.6	12	2.9
SL3265S	VM93 D-534573	1.1	0.27	10	2.9	12	1.8
SL3266S	VM93 D-534574	3.1	2.0	42	5.2	18	4.9
SL3267S	VM93 D-534575	3.1	0.39	23	3.4	14	3.8
SL3268S	VM93 D-534576	2.5	0.47	41	4.1	15	5.0
SL3269S	VM93 D-534577	<0.67	0.38	33	2.6	11	2.8
SL3301S	VM77 D-534286	<0.67	0.47	17	0.72	6.5	1.4
SL3302S	VM77 D-534287	<0.67	0.067	12	0.55	6.0	1.6

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Bi-ppm-ICP	Cd-ppm-ICP	Cu-ppm-ICP	Mo-ppm-ICP	Pb-ppm-ICP	Sb-ppm-ICP
SL3303S	VM77 D-534288	<0.67	0.079	13	0.65	5.1	<0.67
SL3304S	VM77 D-534289	<0.67	0.10	14	0.76	7.0	1.3
SL3305S	VM77 D-534290	<0.67	0.074	20	0.90	6.2	1.4
SL3306S	VM77 D-534291	<0.67	0.11	18	0.83	6.8	1.5
SL3307S	VM77 D-534292	<0.67	0.099	21	0.80	8.3	0.87
SL3308S	VM77 D-534293	1.5	0.15	13	0.62	6.9	0.90
SL3309S	VM77 D-534294	<0.67	0.12	14	1.4	8.7	<0.67
SL3310S	VM77 D-534295	<0.67	0.092	16	0.71	8.2	0.75
SL3311S	VM78 D-534296	1.9	0.25	31	1.0	12	1.5
SL3312S	VM78 D-534297	<0.67	0.26	9.4	1.6	14	1.3
SL3313S	VM78 D-534298	17	0.35	49	1.3	19	210
SL3314S	VM78 D-534299	3.5	0.16	38	1.5	19	4.8
SL3315S	VM78 D-534300	<0.67	0.49	9.3	1.0	8.3	1.7
SL3316S	VM78 D-534301	2.7	0.14	24	1.9	8.4	3.1
SL3317S	VM78 D-534302	<0.67	0.098	31	1.7	7.5	1.5
SL3318S	VM78 D-534303	<0.67	0.12	39	2.1	8.1	1.7
SL3319S	VM78 D-534304	<0.67	0.16	44	1.7	11	1.8
SL3320S	VM78 D-534305	<0.67	0.39	42	2.1	10	1.9
SL3321S	VM78 D-534306	<0.67	0.11	37	1.8	12	1.0
SL3322S	VM78 D-534307	<0.67	<0.05	28	0.85	6.8	<0.67
SL3323S	VM78 D-534308	<0.67	0.12	26	1.3	8.7	<0.67
SL3324S	VM78 D-534309	<0.67	2.3	23	5.8	9.4	0.71
SL3325S	VM78 D-534310	<0.67	0.12	30	0.60	11	<0.67
SL3326S	VM78 D-534311	<0.67	0.091	18	0.75	7.8	<0.67
SL3327S	VM78 D-534312	<0.67	0.31	38	2.1	8.8	<0.67
SL3328S	VM78 D-534313	<0.67	0.083	40	1.5	9.5	<0.67
SL3329S	VM78 D-534314	<0.67	0.10	18	1.2	9.3	1.1
SL3330S	VM78 D-534315	<0.67	0.070	41	1.3	9.8	0.89
SL3331S	VM78 D-534316	<0.67	0.13	52	3.3	13	1.3
SL3332S	VM78 D-534317	<0.67	0.23	84	2.2	18	0.93
SL3333S	VM78 D-534318	<0.67	0.11	62	1.8	14	1.6
SL3334S	VM78 D-534319	<0.67	0.18	49	3.5	18	1.1
SL3335S	VM78 D-534320	<0.67	0.093	26	1.0	7.3	<0.67
SL3336S	VM78 D-534321	<0.67	0.10	6.1	0.66	5.6	<0.67
SL3337S	VM78 D-534322	<0.67	0.088	9.0	0.66	5.7	<0.67
SL3338S	VM78 D-534323	<0.67	0.11	25	0.77	8.2	<0.67
SL3339S	VM78 D-534324	<0.67	0.15	36	1.3	14	5.4
SL3340S	VM78 D-534325	<0.67	0.24	60	3.0	13	1.5
SL3341S	VM78 D-534326	<0.67	0.058	45	1.2	8.1	0.99
SL3342S	VM78 D-534327	<0.67	0.20	37	3.0	11	3.2
SL3343S	VM78 D-534328	2.0	0.19	19	1.2	9.8	1.5
SL3344S	VM78 D-534329	<0.67	0.052	19	0.74	9.9	<0.67
SL3345S	VM78 D-534330	<0.67	0.055	12	0.48	7.8	<0.67
SL3346S	VM94 D-534578	<0.67	0.14	14	0.54	7.3	0.95
SL3347S	VM94 D-534579	<0.67	0.085	16	0.55	6.1	2.7
SL3348S	VM94 D-534580	<0.67	0.090	5.4	0.27	5.6	1.7

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Bi-ppm-ICP	Cd-ppm-ICP	Cu-ppm-ICP	Mo-ppm-ICP	Pb-ppm-ICP	Sb-ppm-ICP
SL3349S	VM94 D-534581	<0.67	0.10	18	0.72	5.1	2.6
SL3350S	VM94 D-534582	<0.67	0.26	10	0.67	5.4	2.0
SL3351S	VM94 D-534583	<0.67	0.18	12	0.43	6.1	<0.67
SL3352S	VM94 D-534584	<0.67	0.12	10	0.30	5.2	<0.67
SL3353S	VM94 D-534585	14	0.51	46	1.1	29	3.8
SL3354S	VM94 D-534586	<0.67	0.17	19	1.7	13	1.6
SL3355S	VM94 D-534587	3.5	0.22	22	1.4	14	3.2
SL3356S	VM94 D-534588	<0.67	0.17	27	1.1	12	1.3
SL3357S	VM94 D-534589	<0.67	0.18	20	1.1	12	1.4
SL3358S	VM94 D-534590	<0.67	0.24	19	1.9	12	1.1
SL3359S	VM94 D-534591	4.4	0.15	20	2.4	14	2.1
SL3360S	VM94 D-534592	2.3	0.18	22	3.0	16	2.3
SL3361S	VM94 D-534593	<0.67	0.11	16	1.2	12	1.2
SL3362S	VM94 D-534594	6.6	0.88	32	3.1	17	5.9
SL3363S	VM94 D-534595	2.2	0.22	11	2.6	10	2.0
SL3364S	VM94 D-534596	<0.67	0.54	28	4.4	12	2.8
SL3365S	VM94 D-534597	0.73	0.41	23	2.8	9.6	2.5
SL3366S	VM94 D-534598	0.72	0.23	36	1.8	12	1.9
SL3367S	VM94 D-534599	3.1	0.27	27	1.9	21	2.5
SL4501S	WB41 D-569127	<1.0	0.17	41	0.75	15	2.1
SL4502S	WB41 D-569128	<1.0	0.14	29	0.75	9.6	2.4
SL4503S	WB41 D-569129	<1.0	0.17	29	0.74	12	<1.0
SL4504S	WB41 D-569130	<1.0	0.11	30	0.80	11	1.2
SL4505S	WB41 D-569131	<1.0	0.11	45	0.83	18	3.6
SL4506S	WB41 D-569132	<1.0	0.15	43	0.82	19	1.4
SL4507S	WB41 D-569133	<1.0	0.10	47	0.90	7.5	1.8
SL4508S	WB41 D-569134	<1.0	0.38	24	2.7	8.2	4.6
SL4509S	WB41 D-569135	<1.0	0.86	31	3.9	13	5.0
SL4510S	WB41 D-569136	<1.0	0.10	49	0.96	10	1.3
SL4511S	WB41 D-569137	7.1	0.50	43	1.2	16	5.6
SL4512S	WB41 D-569138	17	1.1	41	3.0	12	7.1
SL4513S	WB41 D-569139	<1.0	0.093	37	0.53	11	1.1
SL4514S	WB41 D-569140	<1.0	0.11	41	0.61	13	1.2
SL4515S	WB41 D-569141	<1.0	0.26	33	0.97	14	1.7
SL4516S	WB41 D-569142	<1.0	0.18	32	0.84	14	1.2
SL4517S	WB41 D-569143	<1.0	0.14	34	0.81	15	<1.0
SL4518S	WB41 D-569144	<1.0	0.14	30	0.77	13	<1.0
SL4519S	WB41 D-569145	<1.0	0.17	29	1.0	13	4.4
SL4520S	WB41 D-569146	<1.0	0.15	34	1.1	13	3.0
SL4521S	WB41 D-569147	<1.0	0.15	34	0.97	15	2.8
SL4522S	WB41 D-569148	<1.0	0.21	44	1.1	19	3.6
SL4523S	WB41 D-569149	<1.0	0.12	47	0.91	18	2.1
SL4524S	WB41 D-569150	<1.0	0.12	30	0.71	13	1.3
SL4525S	WB41 D-569152	1.5	0.081	31	0.75	12	<1.0
SL4526S	WB41 D-569153	<1.0	0.11	34	0.92	14	1.0
SL4527S	WB41 D-569154	<1.0	0.083	28	0.72	11	1.1

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Bi-ppm-ICP	Cd-ppm-ICP	Cu-ppm-ICP	Mo-ppm-ICP	Pb-ppm-ICP	Sb-ppm-ICP
SL4528S	WB41 D-569155	<1.0	0.13	36	0.80	14	1.9
SL4529S	WB41 D-569156	<1.0	0.17	46	1.0	16	5.2
SL4530S	WB41 D-569157	<1.0	0.21	40	1.1	15	5.7
SL4531S	WB42 D-569158	<1.0	0.069	25	0.51	8.3	3.1
SL4532S	WB42 D-569159	<1.0	0.097	32	0.74	11	1.3
SL4533S	WB42 D-569160	<1.0	<0.05	17	0.45	6.8	1.0
SL4534S	WB42 D-569161	<1.0	0.12	34	0.79	13	2.6
SL4535S	WB42 D-569162	<1.0	0.099	30	1.1	11	<1.0
SL4536S	WB42 D-569163	<1.0	0.052	38	0.75	8.4	1.0
SL4537S	WB42 D-569164	<1.0	<0.05	33	0.64	6.9	<1.0
SL4538S	WB42 D-569165	<1.0	0.059	17	0.49	8.0	<1.0
SL4539S	WB42 D-569166	<1.0	0.14	42	1.0	10	1.8
SL4540S	WB42 D-569167	2.8	0.33	36	1.5	8.8	3.3
SL4541S	WB42 D-569168	<1.0	0.11	40	0.59	12	1.3
SL4542S	WB42 D-569169	<1.0	0.19	36	1.5	13	1.9
SL4543S	WB42 D-569170	<1.0	0.22	34	0.93	12	1.3
SL4544S	WB42 D-569171	<1.0	0.17	39	0.96	14	1.7
SL4545S	WB42 D-569172	<1.0	0.12	18	1.1	12	1.5
SL4546S	WB42 D-569173	8.2	0.38	26	1.1	17	2.3
SL4547S	WB42 D-569174	<1.0	0.52	24	1.6	13	2.0
SL4548S	WB42 D-569175	1.1	0.44	28	1.4	14	2.6
SL4549S	WB42 D-569176	<1.0	0.13	17	0.81	9.1	<1.0
SL4550S	WB42 D-569177	1.6	0.50	34	1.1	14	5.1
SL4551S	WB42 D-569179	1.3	0.23	37	1.3	9.8	2.8
SL4552S	WB42 D-569180	1.1	0.25	34	1.3	9.4	2.6
SL4553S	WB42 D-569181	<1.0	0.23	19	2.2	8.7	<1.0
SL4554S	WB42 D-569182	<1.0	0.15	4.2	0.44	11	<1.0
SL4555S	WB42 D-569183	<1.0	0.23	18	1.7	8.3	<1.0
SL4556S	WB42 D-569184	<1.0	0.16	13	1.1	8.2	<1.0
SL4557S	WB42 D-569185	<1.0	0.053	6.3	0.30	6.2	<1.0
SL4558S	WB42 D-569186	<1.0	0.076	8.0	0.32	6.3	<1.0
SL4559S	WB42 D-569187	<1.0	0.099	6.1	0.40	6.8	1.2
SL4560S	WB42 D-569189	<1.0	0.20	13	0.61	9.5	1.5
SL4561S	WB42 D-569190	<1.0	0.25	20	1.4	10	1.1

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Zn-ppm-ICP	Au-ppm-AA	Hg-ppm-AA	Te-ppm-AA	Tl-ppm-AA	W-ppm-ICP
SL3001S	VM74 D-534136	67	0.002	1.1	<0.05	0.5	<1.0
SL3002S	VM74 D-534137	45	0.004	0.03	<0.05	0.6	4
SL3003S	VM74 D-534138	69	<0.002	0.04	<0.05	0.5	<1.0
SL3004S	VM74 D-534139	63	<0.002	0.2	<0.05	0.45	<1.0
SL3005S	VM74 D-534140	50	<0.002	<0.02	<0.05	0.6	<1.0
SL3006S	VM74 D-534141	69	<0.002	0.06	<0.05	0.55	<1.0
SL3007S	VM74 D-534142	84	<0.002	0.02	<0.05	0.45	<1.0
SL3008S	VM74 D-534143	74	<0.002	0.03	<0.05	0.4	2
SL3009S	VM74 D-534144	56	0.003	0.1	<0.05	0.6	<1.0
SL3010S	VM74 D-534145	71	<0.002	0.07	<0.05	0.45	<1.0
SL3011S	VM74 D-534146	76	<0.002	0.03	<0.05	0.5	<1.0
SL3012S	VM74 D-534147	69	0.024	0.12	<0.05	0.4	<1.0
SL3013S	VM74 D-534148	84	<0.002	0.1	<0.05	0.45	<1.0
SL3014S	VM74 D-534149	79	<0.002	0.02	<0.05	0.45	1
SL3015S	VM74 D-534150	69	<0.002	0.04	<0.05	0.45	<1.0
SL3016S	VM74 D-534151	71	<0.002	0.03	<0.05	0.4	1
SL3017S	VM74 D-534152	74	<0.002	0.06	<0.05	0.45	<1.0
SL3018S	VM74 D-534153	49	<0.002	0.08	<0.05	0.55	<1.0
SL3019S	VM74 D-534154	48	<0.002	0.11	<0.05	0.6	<1.0
SL3020S	VM74 D-534155	80	<0.002	0.12	<0.05	0.55	<1.0
SL3021S	VM74 D-534156	94	<0.002	0.08	<0.05	0.55	<1.0
SL3022S	VM74 D-534157	100	<0.002	0.53	<0.05	0.55	<1.0
SL3023S	VM74 D-534158	36	<0.002	0.06	<0.05	0.4	<1.0
SL3024S	VM74 D-534159	100	0.004	0.02	0.25	0.65	3
SL3025S	VM74 D-534160	42	0.002	0.03	0.15	0.8	<1.0
SL3026S	VM74 D-534161	64	<0.002	0.02	<0.05	0.5	<1.0
SL3027S	VM74 D-534162	36	<0.002	0.02	<0.05	0.9	<1.0
SL3028S	VM74 D-534163	36	0.010	0.02	<0.05	0.85	2
SL3029S	VM74 D-534164	46	<0.002	0.02	<0.05	1.1	<1.0
SL3030S	VM74 D-534165	36	<0.002	0.02	<0.05	0.9	3
SL3031S	VM74 D-534166	53	<0.002	0.03	<0.05	0.9	2
SL3032S	VM74 D-534167	110	<0.002	0.24	0.01	0.55	<1.0
SL3033S	VM74 D-534168	360	<0.002	0.05	<0.05	0.45	<1.0
SL3034S	VM74 D-534169	91	<0.002	0.12	<0.05	0.45	<1.0
SL3035S	VM74 D-534170	100	0.004	0.13	<0.05	0.4	<1.0
SL3036S	VM74 D-534171	81	<0.002	0.05	<0.05	0.35	<1.0
SL3037S	VM74 D-534172	120	0.006	0.07	<0.05	0.35	<1.0
SL3038S	VM74 D-534173	130	<0.002	0.1	<0.05	0.5	<1.0
SL3039S	VM74 D-534174	120	<0.002	0.11	<0.05	0.45	<1.0
SL3040S	VM74 D-534175	110	<0.002	0.16	<0.05	0.45	<1.0
SL3041S	VM75 D-534176	120	<0.002	0.06	<0.1	0.4	<1.0
SL3042S	VM75 D-534177	110	<0.002	0.13	<0.1	0.45	<1.0
SL3043S	VM75 D-534178	93	<0.002	0.08	<0.1	0.35	<1.0
SL3044S	VM75 D-534179	93	<0.002	0.07	<0.1	0.35	<1.0
SL3045S	VM75 D-534180	83	<0.002	0.04	<0.1	0.35	<1.0
SL3046S	VM75 D-534181	95	<0.002	0.06	<0.1	0.35	<1.0

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Zn-ppm-ICP	Au-ppm-AA	Hg-ppm-AA	Te-ppm-AA	Tl-ppm-AA	W-ppm-ICP
SL3047S	VM75 D-534182	89	<0.002	0.09	<0.1	0.4	<1.0
SL3048S	VM75 D-534183	95	<0.002	0.09	<0.1	0.3	<1.0
SL3049S	VM75 D-534184	100	<0.002	0.08	<0.1	0.45	<1.0
SL3050S	VM75 D-534185	94	<0.002	0.06	0.1	0.5	<1.0
SL3051S	VM75 D-534186	110	<0.002	0.03	<0.1	0.4	<1.0
SL3052S	VM75 D-534187	110	<0.002	0.06	0.1	0.4	<1.0
SL3053S	VM75 D-534188	62	<0.002	0.05	<0.1	0.5	1
SL3054S	VM75 D-534189	100	<0.002	0.19	<0.1	0.4	<1.0
SL3055S	VM75 D-534190	110	<0.002	0.02	<0.1	0.5	<1.0
SL3056S	VM75 D-534191	110	0.002	0.06	<0.1	0.5	1
SL3057S	VM75 D-534192	100	<0.002	0.02	<0.1	0.6	<1.0
SL3058S	VM75 D-534193	170	<0.002	0.03	<0.1	0.55	<1.0
SL3059S	VM75 D-534194	99	<0.002	0.13	<0.1	0.4	<1.0
SL3060S	VM75 D-534195	98	<0.002	0.02	<0.1	0.5	<1.0
SL3061S	VM75 D-534196	120	<0.002	0.02	<0.1	0.55	8
SL3064S	VM92 D-534500	69	<0.002	0.02	<0.1	0.6	4.5
SL3065S	VM92 D-534501	92	<0.002	0.02	<0.1	0.4	1.4
SL3066S	VM92 D-534502	70	<0.002	0.03	0.5	0.75	23
SL3067S	VM92 D-534503	73	<0.002	0.03	<0.1	0.55	1.5
SL3068S	VM92 D-534504	95	<0.002	0.02	<0.1	0.5	1.3
SL3069S	VM92 D-534505	63	<0.002	0.02	<0.1	0.6	2.5
SL3070S	VM92 D-534506	76	0.002	0.06	<0.1	0.45	1.3
SL3071S	VM92 D-534507	90	0.002	0.3	<0.1	0.4	4.5
SL3072S	VM92 D-534508	55	0.003	0.04	<0.1	0.45	1.1
SL3073S	VM92 D-534509	46	0.002	0.04	<0.1	0.55	1.1
SL3074S	VM92 D-534510	64	<0.002	0.17	<0.1	0.5	2.2
SL3075S	VM92 D-534511	45	0.016	1.9	<0.1	0.3	3.7
SL3076S	VM92 D-534512	79	0.002	0.28	<0.1	0.6	<1.0
SL3077S	VM92 D-534513	56	0.003	0.05	<0.1	0.55	1.1
SL3078S	VM92 D-534514	55	0.002	0.07	<0.1	0.55	1.3
SL3079S	VM92 D-534515	110	0.005	0.03	0.3	0.6	6.9
SL3080S	VM92 D-534516	75	0.002	0.04	<0.1	0.6	1
SL3081S	VM92 D-534517	85	0.006	0.03	<0.1	0.7	2.7
SL3082S	VM92 D-534518	90	<0.002	0.09	<0.1	0.65	1.6
SL3083S	VM92 D-534519	83	<0.002	0.04	<0.1	0.6	1.4
SL3084S	VM92 D-534520	85	<0.002	0.02	<0.1	0.5	2.6
SL3085S	VM92 D-534521	92	<0.002	0.04	<0.1	0.55	1.3
SL3086S	VM92 D-534522	79	<0.002	0.05	<0.1	0.6	2.2
SL3087S	VM92 D-534523	86	<0.002	0.04	<0.1	0.55	5.5
SL3088S	VM92 D-534524	79	<0.002	0.04	<0.1	0.45	1.2
SL3089S	VM92 D-534525	67	<0.002	0.12	<0.1	0.45	1.2
SL3090S	VM92 D-534526	100	<0.002	0.09	<0.1	0.35	<1.0
SL3091S	VM92 D-534527	110	<0.002	0.09	<0.1	0.4	<1.0
SL3092S	VM92 D-534528	78	<0.002	0.07	<0.1	0.4	<1.0
SL3093S	VM92 D-534529	90	<0.002	0.09	<0.1	0.4	<1.0
SL3094S	VM92 D-534530	100	0.002	0.02	<0.1	0.4	25

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Zn-ppm-ICP	Au-ppm-AA	Hg-ppm-AA	Te-ppm-AA	Tl-ppm-AA	W-ppm-ICP
SL3095S	VM92 D-534531	97	<0.002	0.1	<0.1	0.3	2.2
SL3096S	VM92 D-534532	86	<0.002	0.14	<0.1	0.45	<1.0
SL3097S	VM92 D-534533	97	0.002	0.02	0.25	0.9	33
SL3098S	VM92 D-534534	63	0.002	0.03	0.1	0.85	3
SL3099S	VM92 D-534535	68	<0.002	<0.02	0.3	0.8	3.5
SL3101S	VM75 D-534197	82	<0.002	0.18	<0.1	0.4	1
SL3102S	VM75 D-534198	96	<0.002	0.34	<0.1	0.4	<1.0
SL3103S	VM75 D-534199	62	<0.002	0.05	<0.1	0.5	<1.0
SL3104S	VM75 D-534200	65	<0.002	0.07	<0.1	0.45	<1.0
SL3105S	VM75 D-534201	80	<0.002	0.04	<0.1	0.5	<1.0
SL3106S	VM75 D-534202	93	<0.002	0.05	<0.1	0.4	<1.0
SL3107S	VM75 D-534203	95	<0.002	0.03	<0.1	0.4	<1.0
SL3108S	VM75 D-534204	94	<0.002	0.04	<0.1	0.4	1
SL3109S	VM75 D-534205	66	0.002	0.08	<0.1	0.45	<1.0
SL3110S	VM75 D-534206	77	<0.002	0.05	<0.1	0.5	<1.0
SL3111S	VM75 D-534207	79	<0.002	0.06	<0.1	0.5	<1.0
SL3112S	VM75 D-534208	57	<0.002	0.11	<0.1	0.55	<1.0
SL3113S	VM75 D-534209	55	<0.002	0.27	<0.1	0.6	<1.0
SL3114S	VM75 D-534210	78	<0.002	0.18	<0.1	0.55	<1.0
SL3115S	VM75 D-534211	90	<0.002	0.11	<0.1	0.5	<1.0
SL3116S	VM75 D-534212	49	<0.002	0.03	<0.1	1.2	1
SL3117S	VM75 D-534213	97	0.002	0.06	<0.1	0.8	2
SL3118S	VM75 D-534214	92	<0.002	0.02	<0.1	0.75	16
SL3119S	VM75 D-534215	43	<0.002	0.02	<0.1	0.95	1
SL3120S	VM76 D-534216	81	<0.002	0.05	0.1	0.5	<1.0
SL3121S	VM76 D-534217	56	<0.002	0.05	0.1	0.6	<1.0
SL3122S	VM76 D-534218	46	<0.002	0.03	0.1	0.45	<1.0
SL3123S	VM76 D-534219	84	<0.002	0.07	0.1	0.45	<1.0
SL3124S	VM76 D-534220	61	<0.002	0.06	0.1	0.5	<1.0
SL3125S	VM76 D-534221	79	<0.002	0.07	0.1	0.4	<1.0
SL3126S	VM76 D-534222	84	<0.002	0.02	0.1	0.3	<1.0
SL3127S	VM76 D-534223	65	<0.002	0.12	0.1	0.4	<1.0
SL3128S	VM76 D-534224	85	<0.002	0.13	0.1	0.4	<1.0
SL3129S	VM76 D-534225	69	<0.002	0.08	0.15	0.35	<1.0
SL3130S	VM76 D-534226	130	<0.002	0.05	0.15	0.5	<1.0
SL3131S	VM76 D-534227	93	<0.002	0.11	0.1	0.45	<1.0
SL3132S	VM76 D-534228	83	<0.002	0.16	0.1	0.4	<1.0
SL3133S	VM76 D-534229	72	<0.002	0.05	0.1	0.35	<1.0
SL3134S	VM76 D-534230	89	<0.002	0.08	0.1	0.4	<1.0
SL3135S	VM76 D-534231	120	<0.002	0.1	0.2	0.45	<1.0
SL3136S	VM76 D-534232	130	<0.002	0.09	0.2	0.5	<1.0
SL3137S	VM76 D-534233	79	<0.002	0.07	0.2	0.35	<1.0
SL3138S	VM76 D-534234	70	<0.002	0.1	0.1	0.4	<1.0
SL3139S	VM76 D-534235	47	<0.002	0.1	0.1	0.55	<1.0
SL3140S	VM76 D-534236	91	<0.002	0.2	0.1	0.35	<1.0
SL3141S	VM76 D-534237	95	<0.002	0.04	0.1	0.35	<1.0

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Zn-ppm-ICP	Au-ppm-AA	Hg-ppm-AA	Te-ppm-AA	Tl-ppm-AA	W-ppm-ICP
SL3142S	VM76 D-534238	92	<0.002	0.02	0.1	0.4	<1.0
SL3143S	VM76 D-534239	60	<0.002	0.06	0.1	0.4	<1.0
SL3144S	VM76 D-534240	80	0.004	0.11	0.1	0.35	<1.0
SL3145S	VM76 D-534241	74	<0.002	0.12	0.1	0.3	<1.0
SL3146S	VM76 D-534242	38	<0.002	0.06	0.1	0.45	<1.0
SL3147S	VM76 D-534243	47	<0.002	0.06	0.1	0.5	<1.0
SL3148S	VM76 D-534244	99	<0.002	0.02	0.1	0.55	3
SL3149S	VM92 D-534536	50	0.005	0.18	<0.1	0.55	1.8
SL3150S	VM92 D-534537	45	<0.002	0.05	<0.1	0.55	1.1
SL3151S	VM93 D-534538	43	<0.002	0.05	<0.1	0.55	<1.0
SL3152S	VM93 D-534539	36	<0.002	0.04	<0.1	0.3	<1.0
SL3153S	VM93 D-534540	70	0.002	0.38	<0.1	0.7	<1.0
SL3154S	VM93 D-534541	65	<0.002	0.04	<0.1	0.5	<1.0
SL3155S	VM93 D-534542	41	0.011	0.1	<0.1	0.6	<1.0
SL3156S	VM93 D-534543	74	<0.002	0.04	1.2	0.65	4
SL3157S	VM93 D-534544	74	<0.002	0.02	0.2	0.6	8
SL3158S	VM93 D-534545	49	<0.002	0.06	<0.1	1	<1.0
SL3159S	VM93 D-534546	75	<0.002	0.11	<0.1	0.7	1
SL3160S	VM93 D-534547	65	<0.002	0.08	<0.1	0.7	<1.0
SL3161S	VM93 D-534548	64	<0.002	0.11	0.1	0.75	<1.0
SL3200S	VM76 D-534245	81	<0.002	0.04	0.1	0.45	<1.0
SL3201S	VM76 D-534246	73	<0.002	0.05	0.1	0.45	<1.0
SL3202S	VM76 D-534247	93	<0.002	0.07	0.1	0.5	<1.0
SL3203S	VM76 D-534248	84	<0.002	0.02	0.1	0.45	<1.0
SL3204S	VM76 D-534249	68	<0.002	0.03	0.1	0.45	<1.0
SL3205S	VM76 D-534250	57	<0.002	0.04	0.1	0.4	<1.0
SL3206S	VM76 D-534251	45	<0.002	0.06	0.1	0.5	<1.0
SL3207S	VM76 D-534252	44	<0.002	0.03	0.1	0.45	<1.0
SL3208S	VM76 D-534253	59	<0.002	0.41	0.1	0.4	<1.0
SL3209S	VM76 D-534254	84	<0.002	1.8	0.2	0.55	<1.0
SL3210S	VM76 D-534255	72	<0.002	0.15	0.15	0.5	<1.0
SL3211S	VM77 D-534256	88	<0.002	0.03	<0.1	0.6	1.2
SL3212S	VM77 D-534257	36	<0.004	<0.02	<0.1	0.8	1.7
SL3213S	VM77 D-534258	59	<0.004	0.02	<0.1	0.7	3.4
SL3214S	VM77 D-534259	51	<0.004	0.03	<0.1	0.4	1.3
SL3215S	VM77 D-534260	110	<0.002	<0.02	<0.1	0.5	1.9
SL3216S	VM77 D-534261	80	<0.002	0.02	<0.1	0.45	2.2
SL3217S	VM77 D-534262	79	<0.002	0.02	<0.1	0.4	1.6
SL3218S	VM77 D-534263	54	<0.004	0.05	<0.1	0.5	1.1
SL3219S	VM77 D-534264	70	<0.004	0.08	<0.1	0.35	<1.0
SL3220S	VM77 D-534265	85	<0.002	0.04	<0.1	0.25	<1.0
SL3221S	VM77 D-534266	81	<0.002	0.16	<0.1	0.2	1.1
SL3222S	VM77 D-534267	88	<0.002	<0.02	<0.1	0.2	<1.0
SL3223S	VM77 D-534268	100	<0.002	0.23	<0.1	0.4	<1.0
SL3224S	VM77 D-534269	80	<0.002	0.05	<0.1	0.25	<1.0
SL3225S	VM77 D-534270	94	<0.002	0.1	<0.1	0.4	<1.0

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Zn-ppm-ICP	Au-ppm-AA	Hg-ppm-AA	Te-ppm-AA	Tl-ppm-AA	W-ppm-ICP
SL3226S	VM77 D-534271	89	<0.002	0.05	<0.1	0.4	<1.0
SL3227S	VM77 D-534272	65	<0.002	0.09	<0.1	0.4	<1.0
SL3228S	VM77 D-534273	85	<0.002	0.12	<0.1	0.45	<1.0
SL3229S	VM77 D-534274	83	<0.002	0.09	<0.1	0.3	<1.0
SL3230S	VM77 D-534275	71	<0.002	0.02	<0.1	0.2	<1.0
SL3231S	VM77 D-534276	91	<0.002	0.05	<0.1	0.3	<1.0
SL3232S	VM77 D-534277	100	<0.002	0.08	0.10	0.3	<1.0
SL3233S	VM77 D-534278	110	<0.002	0.03	<0.1	0.4	<1.0
SL3234S	VM77 D-534279	75	<0.002	0.1	<0.1	0.35	<1.0
SL3235S	VM77 D-534280	75	<0.002	0.03	<0.1	0.45	1.1
SL3236S	VM77 D-534281	49	0.002	0.16	<0.1	0.45	1.3
SL3237S	VM77 D-534282	70	<0.002	0.02	<0.1	0.35	<1.0
SL3238S	VM77 D-534283	88	<0.002	0.04	<0.1	0.45	<1.0
SL3239S	VM77 D-534284	110	<0.002	<0.02	<0.1	0.4	1.1
SL3240S	VM77 D-534285	99	<0.002	0.17	<0.1	0.3	<1.0
SL3241S	VM93 D-534549	73	<0.002	0.02	0.1	0.4	<1.0
SL3242S	VM93 D-534550	81	<0.002	0.03	0.1	0.45	<1.0
SL3243S	VM93 D-534551	33	<0.002	<0.02	<0.1	0.9	<1.0
SL3244S	VM93 D-534552	68	<0.002	0.03	0.1	0.55	<1.0
SL3245S	VM93 D-534553	120	<0.002	0.02	0.1	0.5	6
SL3246S	VM93 D-534554	54	<0.002	0.04	<0.1	0.55	<1.0
SL3247S	VM93 D-534555	110	<0.002	0.12	0.1	0.4	1
SL3248S	VM93 D-534556	120	<0.002	<0.02	0.1	0.45	5
SL3249S	VM93 D-534557	84	<0.002	0.04	0.1	0.3	<1.0
SL3250S	VM93 D-534558	130	<0.002	0.04	<0.1	0.6	<1.0
SL3251S	VM93 D-534559	59	<0.002	0.12	<0.1	1	<1.0
SL3252S	VM93 D-534560	120	<0.002	0.1	<0.1	0.95	<1.0
SL3253S	VM93 D-534561	120	<0.002	0.11	<0.1	0.9	<1.0
SL3254S	VM93 D-534562	100	<0.002	0.12	<0.1	0.55	<1.0
SL3255S	VM93 D-534563	96	<0.002	0.08	<0.1	1	<1.0
SL3256S	VM93 D-534564	95	<0.002	0.02	<0.1	1	<1.0
SL3257S	VM93 D-534565	120	0.007	0.03	<0.1	1	20
SL3258S	VM93 D-534566	65	<0.002	0.03	<0.1	1.5	4
SL3259S	VM93 D-534567	64	<0.002	0.04	<0.1	1.5	4
SL3260S	VM93 D-534568	61	0.002	<0.02	0.25	1	1
SL3261S	VM93 D-534569	72	<0.002	0.02	0.0B	0.0B	<1.0
SL3262S	VM93 D-534570	87	0.007	0.03	0.35	0.65	<1.0
SL3263S	VM93 D-534571	67	<0.002	0.03	<0.1	0.6	<1.0
SL3264S	VM93 D-534572	60	<0.002	0.04	<0.1	1.1	<1.0
SL3265S	VM93 D-534573	47	<0.002	0.02	<0.1	1.4	<1.0
SL3266S	VM93 D-534574	160	0.008	0.03	<0.1	0.8	<1.0
SL3267S	VM93 D-534575	72	<0.002	0.03	<0.1	0.6	<1.0
SL3268S	VM93 D-534576	110	<0.002	0.02	<0.1	0.65	<1.0
SL3269S	VM93 D-534577	110	<0.002	0.02	0.1	2.2	<1.0
SL3301S	VM77 D-534286	84	<0.002	0.03	<0.1	0.45	1.4
SL3302S	VM77 D-534287	62	<0.002	0.02	<0.1	0.35	1.6

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Zn-ppm-ICP	Au-ppm-AA	Hg-ppm-AA	Te-ppm-AA	Tl-ppm-AA	W-ppm-ICP
SL3303S	VM77 D-534288	72	<0.002	0.62	<0.1	0.35	1.1
SL3304S	VM77 D-534289	68	<0.002	0.09	<0.1	0.45	2.1
SL3305S	VM77 D-534290	53	0.3	<0.02	<0.1	0.4	2.2
SL3306S	VM77 D-534291	74	<0.002	0.13	<0.1	0.15	2.4
SL3307S	VM77 D-534292	96	<0.002	<0.02	<0.1	0.4	1.1
SL3308S	VM77 D-534293	49	<0.002	<0.02	<0.1	0.7	1.6
SL3309S	VM77 D-534294	64	<0.002	<0.02	<0.1	0.45	1.7
SL3310S	VM77 D-534295	100	<0.002	0.02	<0.1	0.45	3
SL3311S	VM78 D-534296	86	0.002	0.03	<0.1	0.9	8.2
SL3312S	VM78 D-534297	83	<0.002	0.02	<0.1	1.3	4.5
SL3313S	VM78 D-534298	110	0.002	0.03	0.9	0.75	3
SL3314S	VM78 D-534299	98	<0.002	0.02	<0.1	0.75	1.2
SL3315S	VM78 D-534300	59	<0.002	0.03	<0.1	1	3.3
SL3316S	VM78 D-534301	92	<0.002	0.03	<0.1	0.6	1.4
SL3317S	VM78 D-534302	96	<0.002	0.03	<0.1	0.35	1
SL3318S	VM78 D-534303	110	<0.002	0.04	<0.1	0.4	1.1
SL3319S	VM78 D-534304	100	<0.002	0.06	<0.1	0.35	1
SL3320S	VM78 D-534305	130	<0.002	0.05	<0.1	0.5	<1.0
SL3321S	VM78 D-534306	91	<0.002	0.06	<0.1	0.4	1
SL3322S	VM78 D-534307	100	<0.002	0.04	<0.1	0.3	<1.0
SL3323S	VM78 D-534308	110	<0.002	0.05	<0.1	0.4	<1.0
SL3324S	VM78 D-534309	250	<0.002	0.07	<0.1	0.55	<1.0
SL3325S	VM78 D-534310	110	<0.002	0.11	<0.1	0.45	<1.0
SL3326S	VM78 D-534311	100	<0.002	0.04	<0.1	0.4	<1.0
SL3327S	VM78 D-534312	120	<0.002	0.14	<0.1	0.3	<1.0
SL3328S	VM78 D-534313	91	<0.002	0.07	<0.1	0.25	<1.0
SL3329S	VM78 D-534314	61	<0.002	0.04	<0.1	0.35	<1.0
SL3330S	VM78 D-534315	85	<0.002	0.06	<0.1	0.3	<1.0
SL3331S	VM78 D-534316	100	<0.002	0.06	<0.1	0.3	1.1
SL3332S	VM78 D-534317	130	<0.002	0.14	0.1	0.35	<1.0
SL3333S	VM78 D-534318	110	<0.002	0.05	<0.1	0.35	<1.0
SL3334S	VM78 D-534319	80	<0.002	0.05	<0.1	0.45	1
SL3335S	VM78 D-534320	98	<0.002	0.09	<0.1	0.3	1.4
SL3336S	VM78 D-534321	46	<0.002	<0.02	<0.1	0.6	<1.0
SL3337S	VM78 D-534322	54	<0.002	0.02	<0.1	0.55	<1.0
SL3338S	VM78 D-534323	110	1.8	0.02	<0.1	0.3	2.3
SL3339S	VM78 D-534324	99	<0.002	0.03	<0.1	0.45	1.3
SL3340S	VM78 D-534325	140	<0.002	0.1	<0.1	0.35	1
SL3341S	VM78 D-534326	92	<0.002	0.1	<0.1	0.2	<1.0
SL3342S	VM78 D-534327	120	<0.002	0.02	<0.1	0.4	1
SL3343S	VM78 D-534328	67	<0.002	0.03	<0.1	0.65	3.6
SL3344S	VM78 D-534329	96	<0.002	0.02	<0.1	0.3	9.1
SL3345S	VM78 D-534330	79	<0.002	0.14	<0.1	0.4	2.5
SL3346S	VM94 D-534578	76	<0.002	1.6	0.1	0.6	<1.0
SL3347S	VM94 D-534579	66	<0.002	0.08	<0.1	0.5	<1.0
SL3348S	VM94 D-534580	56	<0.002	0.18	<0.1	0.55	<1.0

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Zn-ppm-ICP	Au-ppm-AA	Hg-ppm-AA	Te-ppm-AA	Tl-ppm-AA	W-ppm-ICP
SL3349S	VM94 D-534581	42	<0.002	0.04	<0.1	0.4	<1.0
SL3350S	VM94 D-534582	65	0.007	0.41	<0.1	0.55	<1.0
SL3351S	VM94 D-534583	51	<0.002	0.03	<0.1	0.6	<1.0
SL3352S	VM94 D-534584	49	0.009	0.08	<0.1	0.5	<1.0
SL3353S	VM94 D-534585	100	0.013	0.06	0.4	0.5	<1.0
SL3354S	VM94 D-534586	70	<0.002	<0.02	0.1	0.4	1
SL3355S	VM94 D-534587	83	<0.002	<0.02	0.15	0.5	<1.0
SL3356S	VM94 D-534588	84	<0.002	0.06	0.1	0.5	<1.0
SL3357S	VM94 D-534589	74	0.002	0.08	<0.1	1.1	<1.0
SL3358S	VM94 D-534590	79	<0.002	0.07	<0.1	0.6	<1.0
SL3359S	VM94 D-534591	72	<0.002	0.03	0.1	0.7	26
SL3360S	VM94 D-534592	75	<0.002	0.02	0.1	0.75	<1.0
SL3361S	VM94 D-534593	87	<0.002	<0.02	<0.1	0.7	<1.0
SL3362S	VM94 D-534594	110	<0.002	<0.02	0.2	0.8	<1.0
SL3363S	VM94 D-534595	52	<0.004	<0.02	0.2	1.4	<1.0
SL3364S	VM94 D-534596	91	<0.002	0.02	0.15	0.5	<1.0
SL3365S	VM94 D-534597	96	0.12	<0.02	0.1	0.65	<1.0
SL3366S	VM94 D-534598	90	<0.002	<0.02	0.2	0.6	4
SL3367S	VM94 D-534599	76	<0.002	0.03	0.2	1	9
SL4501S	WB41 D-569127	120	<0.002	0.13	0.1	0.55	<1.0
SL4502S	WB41 D-569128	100	<0.002	0.13	<0.1	0.5	<1.0
SL4503S	WB41 D-569129	100	<0.002	0.15	0.1	0.5	3
SL4504S	WB41 D-569130	100	<0.002	0.09	0.1	0.45	<1.0
SL4505S	WB41 D-569131	130	<0.002	0.18	0.1	0.6	2
SL4506S	WB41 D-569132	120	<0.002	0.1	0.1	0.6	<1.0
SL4507S	WB41 D-569133	97	0.002	0.04	0.2	0.2	<1.0
SL4508S	WB41 D-569134	110	0.01	<0.02	<0.1	0.4	<1.0
SL4509S	WB41 D-569135	130	<0.002	0.09	<0.1	0.45	<1.0
SL4510S	WB41 D-569136	100	<0.002	0.08	<0.1	0.25	<1.0
SL4511S	WB41 D-569137	100	<0.002	0.03	0.2	0.45	5
SL4512S	WB41 D-569138	160	0.002	0.05	0.4	0.5	1
SL4513S	WB41 D-569139	100	<0.002	0.17	0.1	0.4	1
SL4514S	WB41 D-569140	110	<0.002	0.17	<0.1	0.4	<1.0
SL4515S	WB41 D-569141	140	<0.002	0.25	0.1	0.6	1
SL4516S	WB41 D-569142	120	<0.002	0.12	0.1	0.6	<1.0
SL4517S	WB41 D-569143	120	<0.002	0.07	0.1	0.55	<1.0
SL4518S	WB41 D-569144	100	<0.002	0.06	0.1	0.45	1
SL4519S	WB41 D-569145	110	0.006	0.09	0.1	0.5	1
SL4520S	WB41 D-569146	120	<0.002	0.09	0.1	0.6	<1.0
SL4521S	WB41 D-569147	120	<0.002	0.08	0.1	0.6	1
SL4522S	WB41 D-569148	150	0.002	0.13	0.2	0.6	1
SL4523S	WB41 D-569149	150	<0.002	0.1	0.1	0.6	1
SL4524S	WB41 D-569150	130	<0.002	0.08	0.1	0.6	2
SL4525S	WB41 D-569152	100	<0.002	0.12	<0.1	0.4	2
SL4526S	WB41 D-569153	110	<0.002	0.13	0.1	0.5	1
SL4527S	WB41 D-569154	110	<0.002	0.1	0.2	0.5	<1.0

Table 3. Geochemical data for minus-80-mesh stream-sediments from the Buckstock Mountains study area.

Sample #	USGS Lab #	Zn-ppm-ICP	Au-ppm-AA	Hg-ppm-AA	Te-ppm-AA	Tl-ppm-AA	W-ppm-ICP
SL4528S	WB41 D-569155	130	0.05	0.48	0.1	0.6	1
SL4529S	WB41 D-569156	140	0.002	0.52	0.1	0.7	2
SL4530S	WB41 D-569157	150	<0.002	0.61	0.1	0.7	1
SL4531S	WB42 D-569158	91	<0.002	0.8	<0.1	0.4	3
SL4532S	WB42 D-569159	110	<0.002	0.15	<0.1	0.5	<1.0
SL4533S	WB42 D-569160	84	<0.002	0.16	<0.1	0.35	2
SL4534S	WB42 D-569161	120	<0.002	0.72	<0.1	0.6	2
SL4535S	WB42 D-569162	98	<0.002	0.07	<0.1	0.45	<1.0
SL4536S	WB42 D-569163	97	0.004	0.12	<0.1	0.35	2
SL4537S	WB42 D-569164	100	<0.002	0.08	<0.1	0.35	<1.0
SL4538S	WB42 D-569165	75	<0.002	0.36	<0.1	0.4	<1.0
SL4539S	WB42 D-569166	89	0.42	0.15	<0.1	0.4	<1.0
SL4540S	WB42 D-569167	110	<0.002	0.04	<0.1	0.4	<1.0
SL4541S	WB42 D-569168	110	<0.002	0.46	<0.1	0.5	<1.0
SL4542S	WB42 D-569169	130	0.002	0.07	<0.1	0.6	4
SL4543S	WB42 D-569170	130	<0.002	0.08	<0.1	0.6	<1.0
SL4544S	WB42 D-569171	130	<0.002	0.1	<0.1	0.65	<1.0
SL4545S	WB42 D-569172	85	<0.002	0.04	<0.1	0.55	1
SL4546S	WB42 D-569173	87	<0.002	0.07	0.2	0.55	2
SL4547S	WB42 D-569174	100	0.014	0.08	<0.1	0.6	<1.0
SL4548S	WB42 D-569175	99	<0.002	0.09	0.1	0.5	2
SL4549S	WB42 D-569176	85	<0.002	0.06	0.1	0.5	1
SL4550S	WB42 D-569177	94	0.3	0.07	<0.1	0.4	1
SL4551S	WB42 D-569179	110	<0.002	0.03	<0.1	0.4	1
SL4552S	WB42 D-569180	88	<0.002	0.05	0.1	0.4	1
SL4553S	WB42 D-569181	110	<0.002	<0.02	<0.1	0.55	<1.0
SL4554S	WB42 D-569182	64	<0.002	1.4	<0.1	0.6	<1.0
SL4555S	WB42 D-569183	120	<0.002	0.04	<0.1	0.55	<1.0
SL4556S	WB42 D-569184	110	<0.002	2.7	<0.1	0.5	1
SL4557S	WB42 D-569185	56	<0.002	0.08	<0.1	0.5	<1.0
SL4558S	WB42 D-569186	62	<0.002	0.33	<0.1	0.5	<1.0
SL4559S	WB42 D-569187	55	<0.002	0.31	<0.1	0.55	1
SL4560S	WB42 D-569189	100	<0.002	0.05	<0.1	0.5	<1.0
SL4561S	WB42 D-569190	100	<0.002	0.05	<0.1	0.55	<1.0

Table 4. Geochemical data for heavy-mineral-concentrate samples collected from the Buckstock Mountains study area.

[S, semiquantitative emission spectrography; N, not detected at the limit of determination shown; L, detected but below the limit of determination shown; G, concentrations observed were greater than the limit of determination shown; element concentrations are in percent (%) or parts per million (ppm) as shown]

Sample #	USGS Lab #	Latitude			Longitude			Ca-%-S	Fe-%-S	Mg-%-S
SL3001C	VM69 D-533942	61	42	11	-158	-58	-51	10.0	3.0	7.0
SL3002C	VM69 D-533943	61	40	0	-158	-57	-36	10.0	0.7	1.0
SL3003C	VM69 D-533944	61	38	11	-158	-56	-35	0.5	3.0	1.5
SL3004C	VM69 D-533945	61	38	6	-158	-56	-44	10.0	0.7	1.0
SL3005C	VM69 D-533946	61	38	9	-158	-57	-13	10.0	0.5	0.7
SL3006C	VM69 D-533947	61	36	3	-158	-51	-47	2.0	1.0	1.0
SL3007C	VM69 D-533948	61	36	6	-158	-50	-14	1.5	1.0	0.5
SL3008C	VM69 D-533949	61	38	17	-158	-51	-22	1.0	1.5	0.3
SL3009C	VM69 D-533950	61	36	19	-158	-29	-7	5.0	2.0	2.0
SL3010C	VM69 D-533951	61	38	7	-158	-36	-15	2.0	2.0	0.3
SL3011C	VM69 D-533952	61	35	50	-158	-36	-49	1.5	1.5	0.5
SL3012C	VM69 D-533953	61	35	46	-158	-36	-40	1.0	0.7	0.3
SL3013C	VM69 D-533954	61	35	38	-158	-38	-16	0.7	1.5	0.5
SL3014C	VM69 D-533955	61	34	39	-158	-41	-52	1.0	0.5	0.2
SL3015C	VM69 D-533956	61	37	54	-158	-45	-54	2.0	2.0	1.0
SL3016C	VM69 D-533957	61	40	26	-158	-37	-42	1.0	0.7	0.2
SL3017C	VM69 D-533958	61	43	26	-158	-42	-52	0.7	1.0	0.7
SL3018C	VM69 D-533959	61	30	54	-158	-47	-10	3.0	3.0	2.0
SL3019C	VM69 D-533960	61	30	58	-158	-43	-41	ins	ins	ins
SL3020C	VM69 D-533961	61	25	50	-158	-42	-35	5.0	0.7	0.2
SL3021C	VM69 D-533962	61	24	34	-158	-42	-9	7.0	1.0	0.5
SL3022C	VM69 D-533963	61	24	14	-158	-42	-15	10.0	2.0	0.3
SL3023C	VM69 D-533964	61	20	0	-158	-39	-21	5.0	5.0	2.0
SL3024C	VM69 D-533965	61	18	57	-158	-39	-31	7.0	3.0	0.5
SL3025C	VM69 D-533966	61	18	57	-158	-38	-37	5.0	1.0	0.2
SL3026C	VM69 D-533967	61	18	6	-158	-48	-33	3.0	1.5	1.0
SL3027C	VM69 D-533968	61	13	36	-158	-46	-48	2.0	1.0	0.2
SL3028C	VM69 D-533969	61	13	56	-158	-45	-19	2.0	0.5	0.2
SL3029C	VM69 D-533970	61	15	35	-158	-37	-53	0.5	0.7	0.1
SL3030C	VM69 D-533971	61	10	8	-158	-44	-42	0.7	1.0	0.2
SL3031C	VM69 D-533972	61	11	50	-158	-42	-41	1.0	0.5	0.1
SL3032C	VM69 D-533973	61	12	22	-158	-35	-43	1.0	3.0	0.3
SL3033C	VM69 D-533974	61	12	13	-158	-35	-36	10.0	2.0	0.5
SL3034C	VM69 D-533975	61	11	50	-158	-33	-29	10.0	2.0	0.2
SL3035C	VM69 D-533976	61	9	45	-158	-37	-36	5.0	5.0	1.0
SL3036C	VM69 D-533977	61	8	21	-158	-33	-55	7.0	3.0	3.0
SL3037C	VM69 D-533978	61	6	35	-158	-37	-4	5.0	1.5	0.5
SL3038C	VM69 D-533979	61	5	49	-158	-32	-12	2.0	7.0	2.0
SL3039C	VM69 D-533980	61	4	28	-158	-33	-34	3.0	5.0	1.5
SL3040C	VM69 D-533981	61	3	8	-158	-35	-47	5.0	2.0	5.0
SL3041C	VM70 D-533982	61	2	13	-158	-32	-36	0.7	10.0	1.0
SL3042C	VM70 D-533983	61	3	21	-158	-28	-54	0.3	5.0	0.5
SL3043C	VM70 D-533984	61	3	51	-158	-38	-29	3.0	2.0	3.0
SL3044C	VM70 D-533985	61	1	52	-158	-41	-24	5.0	5.0	3.0
SL3045C	VM70 D-533986	61	1	57	-158	-49	-10	3.0	3.0	1.5
SL3046C	VM70 D-533987	61	1	47	-158	-48	-35	3.0	5.0	2.0

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Latitude			Longitude			Ca-%-S	Fe-%-S	Mg-%-S
SL3047C	VM70 D-533988	61	1	7	-158	-47	-13	2.0	1.5	0.5
SL3048C	VM70 D-533989	61	1	7	-158	-46	-2	3.0	5.0	2.0
SL3049C	VM70 D-533990	61	3	22	-158	-43	-52	3.0	7.0	2.0
SL3050C	VM70 D-533991	61	4	24	-158	-47	-53	2.0	7.0	2.0
SL3051C	VM70 D-533992	61	5	31	-158	-48	-57	3.0	3.0	1.5
SL3052C	VM70 D-533993	61	3	14	-158	-46	-54	2.0	3.0	2.0
SL3053C	VM70 D-533994	61	2	54	-158	-51	-22	2.0	7.0	5.0
SL3054C	VM70 D-533995	61	0	13	-158	-53	-13	3.0	5.0	3.0
SL3055C	VM70 D-533996	61	4	1	-158	-54	-2	5.0	5.0	2.0
SL3056C	VM70 D-533997	61	6	19	-158	-52	-3	ins	ins	ins
SL3057C	VM70 D-533998	61	7	54	-158	-49	-45	1.0	2.0	1.5
SL3058C	VM70 D-533999	61	7	5	-158	-43	-58	2.0	10.0	2.0
SL3059C	VM70 D-534000	61	5	9	-158	-40	-9	0.7	7.0	1.5
SL3060C	VM70 D-534001	61	8	52	-158	-45	-12	5.0	2.0	0.5
SL3061C	VM70 D-534002	61	7	20	-158	-54	-12	2.0	5.0	1.5
SL3064C	VN64 D-536695	61	13	21	-158	-52	-35	3.0	1.0	0.3
SL3065C	VN64 D-536696	61	11	33	-158	-51	-45	3.0	5.0	1.0
SL3066C	VN64 D-536697	61	11	42	-158	-49	-31	5.0	7.0	0.7
SL3067C	VN64 D-536698	61	14	50	-158	-50	-2	3.0	5.0	1.0
SL3068C	VN64 D-536699	61	14	23	-158	-50	-1	3.0	2.0	0.5
SL3069C	VN64 D-536700	61	18	18	-158	-53	-32	2.0	1.0	0.3
SL3070C	VN64 D-536701	61	14	21	-158	-55	-40	5.0	5.0	1.5
SL3071C	VN64 D-536702	61	17	2	-158	-51	-47	5.0	2.0	0.7
SL3072C	VN64 D-536703	61	21	44	-158	-58	-34	3.0	3.0	1.5
SL3073C	no sample	61	24	7	-158	-57	-33	ins	ins	ins
SL3074C	VN64 D-536704	61	22	3	-158	-49	-28	2.0	5.0	1.5
SL3075C	VN64 D-536705	61	22	14	-158	-47	-26	5.0	3.0	2.0
SL3076C	VN64 D-536706	61	24	3	-158	-47	-54	2.0	7.0	5.0
SL3077C	VN64 D-536707	61	29	45	-158	-42	-27	3.0	5.0	2.0
SL3078C	VN64 D-536708	61	27	23	-158	-54	-2	2.0	3.0	2.0
SL3079C	VN64 D-536709	61	23	10	-158	-27	-1	0.7	7.0	0.7
SL3080C	VN64 D-536710	61	24	1	-158	-28	-49	5.0	7.0	1.5
SL3081C	VN64 D-536711	61	26	21	-158	-27	-32	2.0	10.0	0.7
SL3082C	VN64 D-536712	61	27	19	-158	-20	-48	7.0	5.0	7.0
SL3083C	VN64 D-536713	61	27	38	-158	-22	-42	3.0	3.0	5.0
SL3084C	VN64 D-536714	61	26	2	-158	-25	-32	2.0	5.0	1.5
SL3085C	VN64 D-536715	61	22	1	-158	-18	-29	ins	ins	ins
SL3086C	VN64 D-536716	61	23	10	-158	-19	-47	1.0	5.0	1.0
SL3087C	VN64 D-536717	61	24	54	-158	-19	-2	3.0	3.0	1.5
SL3088C	VN64 D-536718	61	25	1	-158	-17	-50	5.0	3.0	1.0
SL3089C	VN64 D-536719	61	25	19	-158	-15	-37	5.0	0.5	0.1
SL3090C	VN64 D-536720	61	8	41	-158	-28	-42	5.0	5.0	1.5
SL3091C	VN64 D-536721	61	6	12	-158	-30	-2	1.0	7.0	0.5
SL3092C	VN64 D-536722	61	6	53	-158	-26	-16	1.0	1.0	0.5
SL3093C	VN64 D-536723	61	7	52	-158	-26	-7	0.7	5.0	0.7
SL3094C	VN64 D-536724	61	11	54	-158	-31	-58	3.0	3.0	0.3

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Latitude			Longitude			Ca-%-S	Fe-%-S	Mg-%-S
SL3095C	VN64 D-536725	61	9	12	-158	-27	-16	1.0	10.0	0.5
SL3096C	VN64 D-536726	61	11	34	-158	-23	-11	0.7	2.0	0.5
SL3097C	VN64 D-536727	61	20	35	-158	-31	-8	0.7	5.0	0.7
SL3098C	VN64 D-536728	61	20	16	-158	-32	-14	3.0	3.0	0.3
SL3099C	VN64 D-536729	61	22	28	-158	-28	-54	0.5	5.0	0.5
SL3101C	VM70 D-534003	61	41	12	-158	-57	-51	10.0	5.0	5.0
SL3102C	VM70 D-534004	61	40	49	-158	-56	-54	0.7	2.0	1.0
SL3103C	VM70 D-534005	61	37	19	-158	-56	-52	3.0	7.0	3.0
SL3104C	VM70 D-534006	61	37	47	-158	-53	-34	2.0	5.0	2.0
SL3105C	VM70 D-534007	61	35	54	-158	-50	-55	1.5	7.0	2.0
SL3106C	VM70 D-534008	61	37	33	-158	-49	-2	2.0	2.0	2.0
SL3107C	VM70 D-534009	61	39	6	-158	-48	-12	1.0	3.0	0.7
SL3108C	VM70 D-534010	61	35	19	-158	-30	-22	5.0	3.0	1.5
SL3109C	VM70 D-534011	61	37	46	-158	-32	-47	1.0	3.0	2.0
SL3110C	VM70 D-534012	61	34	22	-158	-34	-49	5.0	3.0	1.5
SL3111C	VM70 D-534013	61	34	15	-158	-35	-27	3.0	2.0	1.5
SL3112C	VM70 D-534014	61	32	15	-158	-50	-45	2.0	2.0	1.0
SL3113C	VM70 D-534015	61	30	27	-158	-45	-5	3.0	10.0	3.0
SL3114C	VM70 D-534016	61	27	33	-158	-44	-28	5.0	5.0	5.0
SL3115C	VM70 D-534017	61	22	9	-158	-43	-15	5.0	7.0	5.0
SL3116C	VM70 D-534018	61	14	7	-158	-43	-46	2.0	5.0	1.5
SL3117C	VM70 D-534019	61	13	1	-158	-39	-25	2.0	7.0	1.0
SL3118C	VM70 D-534020	61	12	26	-158	-40	-18	1.0	10.0	1.5
SL3119C	VM70 D-534021	61	12	24	-158	-42	-29	0.7	5.0	1.5
SL3120C	VM71 D-534022	61	9	19	-158	-42	-41	7.0	5.0	0.5
SL3121C	VM71 D-534023	61	9	39	-158	-43	-31	5.0	5.0	1.5
SL3122C	VM71 D-534024	61	9	20	-158	-43	-28	7.0	5.0	1.5
SL3123C	VM71 D-534025	61	11	29	-158	-38	-7	10.0	5.0	0.7
SL3124C	VM71 D-534026	61	10	21	-158	-35	-16	7.0	3.0	0.5
SL3125C	VM71 D-534027	61	9	33	-158	-34	0	5.0	3.0	0.5
SL3126C	VM71 D-534028	61	7	2	-158	-33	-27	3.0	2.0	0.3
SL3127C	VM71 D-534029	61	6	43	-158	-33	-6	5.0	3.0	0.5
SL3128C	VM71 D-534030	61	4	28	-158	-35	-23	3.0	2.0	2.0
SL3129C	VM71 D-534031	61	4	3	-158	-37	-13	5.0	2.0	1.5
SL3130C	VM71 D-534032	61	3	52	-158	-30	-19	0.7	1.5	0.5
SL3131C	VM71 D-534033	61	2	23	-158	-31	-12	0.7	5.0	0.3
SL3132C	VM71 D-534034	61	1	39	-158	-37	-55	3.0	5.0	1.0
SL3133C	VM71 D-534035	61	1	53	-158	-51	-52	5.0	2.0	1.5
SL3134C	VM71 D-534036	61	1	7	-158	-46	-54	5.0	2.0	1.0
SL3135C	VM71 D-534037	61	2	24	-158	-44	-48	2.0	3.0	1.0
SL3136C	VM71 D-534038	61	4	34	-158	-42	-2	1.5	3.0	0.7
SL3137C	VM71 D-534039	61	5	51	-158	-45	-30	5.0	5.0	5.0
SL3138C	VM71 D-534040	61	4	50	-158	-51	-45	7.0	2.0	1.0
SL3139C	VM71 D-534041	61	3	15	-158	-49	-58	7.0	3.0	3.0
SL3140C	VM71 D-534042	61	0	4	-158	-53	-14	5.0	5.0	3.0
SL3141C	VM71 D-534043	61	2	9	-158	-56	-1	7.0	2.0	1.0

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Latitude			Longitude			Ca-%-S	Fe-%-S	Mg-%-S
SL3142C	VM71 D-534044	61	6	19	-158	-52	-59	10.0	3.0	1.0
SL3143C	VM71 D-534045	61	7	29	-158	-47	-33	5.0	2.0	1.5
SL3144C	VM71 D-534046	61	6	39	-158	-43	-53	7.0	5.0	1.0
SL3145C	VM71 D-534047	61	6	48	-158	-40	-13	3.0	7.0	1.5
SL3146C	VM71 D-534048	61	9	27	-158	-47	-37	2.0	7.0	1.0
SL3147C	VM71 D-534049	61	8	38	-158	-51	-34	3.0	5.0	0.7
SL3148C	VM71 D-534050	61	7	40	-158	-57	-30	3.0	5.0	1.0
SL3149C	VN64 D-536730	61	20	18	-158	-51	-52	0.7	1.0	0.5
SL3150C	VN64 D-536731	61	23	29	-158	-58	-36	3.0	1.0	0.3
SL3151C	VN64 D-536732	61	23	55	-158	-55	-14	1.5	1.5	0.5
SL3152C	VN65 D-536733	61	21	24	-158	-48	-22	5.0	3.0	3.0
SL3153C	VN65 D-536734	61	25	19	-158	-47	-22	3.0	5.0	3.0
SL3154C	VN65 D-536735	61	28	30	-158	-44	-50	3.0	0.7	0.2
SL3155C	VN65 D-536736	61	28	40	-158	-51	-17	2.0	1.5	1.0
SL3156C	VN65 D-536737	61	23	26	-158	-26	-28	5.0	7.0	1.0
SL3157C	VN65 D-536738	61	24	12	-158	-28	-27	3.0	5.0	0.7
SL3158C	VN65 D-536739	61	25	26	-158	-28	-25	3.0	10.0	3.0
SL3159C	VN65 D-536740	61	27	10	-158	-21	-16	7.0	3.0	3.0
SL3160C	VN65 D-536741	61	27	21	-158	-22	-21	2.0	2.0	2.0
SL3161C	VN65 D-536742	61	27	50	-158	-23	-36	5.0	10.0	1.5
SL3200C	VM71 D-534051	61	34	12	-158	-34	-45	5.0	2.0	0.7
SL3201C	VM71 D-534052	61	34	43	-158	-35	-30	7.0	20.0	2.0
SL3202C	VM71 D-534053	61	33	25	-158	-39	-11	2.0	5.0	2.0
SL3203C	VM71 D-534054	61	34	14	-158	-46	-13	0.5	7.0	1.0
SL3204C	VM71 D-534055	61	37	35	-158	-42	-4	3.0	3.0	1.0
SL3205C	VM71 D-534056	61	38	10	-158	-43	0	5.0	5.0	5.0
SL3206C	VM71 D-534057	61	31	7	-158	-47	-54	1.0	5.0	1.5
SL3207C	VM71 D-534058	61	30	10	-158	-39	-4	5.0	3.0	3.0
SL3208C	VM71 D-534059	61	27	51	-158	-40	-26	10.0	7.0	10.0
SL3209C	VM71 D-534060	61	24	38	-158	-38	-24	7.0	10.0	5.0
SL3210C	VM71 D-534061	61	24	23	-158	-38	-24	7.0	7.0	7.0
SL3211C	VM72 D-534062	61	20	16	-158	-39	-40	10.0	10.0	2.0
SL3212C	VM72 D-534063	61	18	9	-158	-40	-16	2.0	7.0	1.5
SL3213C	VM72 D-534064	61	17	1	-158	-43	-55	1.0	10.0	2.0
SL3214C	VM72 D-534065	61	17	43	-158	-47	-19	7.0	5.0	0.7
SL3215C	VM72 D-534066	61	14	33	-158	-34	-47	7.0	10.0	1.5
SL3216C	VM72 D-534067	61	12	38	-158	-41	-8	5.0	5.0	1.0
SL3217C	VM72 D-534068	61	10	50	-158	-41	-39	10.0	7.0	0.5
SL3218C	no sample	61	11	32	-158	-39	-47	ins	ins	ins
SL3219C	VM72 D-534069	61	9	26	-158	-39	-8	3.0	10.0	2.0
SL3220C	VM72 D-534070	61	9	5	-158	-34	-13	3.0	5.0	1.5
SL3221C	VM72 D-534071	61	8	56	-158	-33	-48	5.0	10.0	1.0
SL3222C	VM72 D-534072	61	6	47	-158	-32	-57	5.0	3.0	0.7
SL3223C	VM72 D-534073	61	4	31	-158	-35	-9	2.0	10.0	0.5
SL3224C	VM72 D-534074	61	4	14	-158	-37	-16	7.0	7.0	7.0
SL3225C	VM72 D-534075	61	2	59	-158	-30	-34	0.5	5.0	0.5

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Latitude			Longitude			Ca-%-S	Fe-%-S	Mg-%-S
SL3226C	VM72 D-534076	61	2	19	-158	-31	-12	0.5	15.0	0.5
SL3227C	VM72 D-534077	61	2	27	-158	-39	-3	7.0	5.0	5.0
SL3228C	VM72 D-534078	61	0	44	-158	-38	-55	5.0	7.0	5.0
SL3229C	VM72 D-534079	61	1	14	-158	-50	-23	5.0	5.0	3.0
SL3230C	VM72 D-534080	61	1	29	-158	-47	-58	5.0	2.0	0.5
SL3231C	VM72 D-534081	61	1	0	-158	-47	-11	5.0	3.0	5.0
SL3232C	VM72 D-534082	61	3	11	-158	-43	-14	5.0	10.0	1.5
SL3233C	VM72 D-534083	61	3	28	-158	-42	-41	3.0	7.0	2.0
SL3234C	VM72 D-534084	61	4	34	-158	-49	-41	3.0	10.0	2.0
SL3235C	VM72 D-534085	61	4	28	-158	-50	-16	2.0	15.0	2.0
SL3236C	VM72 D-534086	61	2	29	-158	-48	-4	7.0	5.0	7.0
SL3237C	VM72 D-534087	61	2	16	-158	-50	-32	10.0	7.0	10.0
SL3238C	VM72 D-534088	61	7	20	-158	-51	-30	5.0	3.0	1.0
SL3239C	VM72 D-534089	61	7	14	-158	-42	-50	3.0	20.0	3.0
SL3240C	VM72 D-534090	61	6	47	-158	-42	-6	1.0	20.0	0.5
SL3241C	VN65 D-536743	61	12	42	-158	-54	-39	3.0	2.0	0.7
SL3242C	VN65 D-536744	61	11	58	-158	-51	-34	7.0	3.0	0.5
SL3243C	VN65 D-536745	61	12	13	-158	-49	-7	10.0	1.0	0.3
SL3244C	VN65 D-536746	61	13	25	-158	-50	-42	5.0	7.0	2.0
SL3245C	VN65 D-536747	61	15	31	-158	-54	-6	3.0	1.0	0.2
SL3246C	VN65 D-536748	61	16	55	-158	-57	-56	1.0	3.0	0.5
SL3247C	VN65 D-536749	61	22	50	-158	-18	-23	1.0	1.5	0.3
SL3248C	VN65 D-536750	61	21	57	-158	-20	-28	1.0	2.0	0.3
SL3249C	VN65 D-536751	61	23	41	-158	-20	-25	1.0	2.0	0.5
SL3250C	VN65 D-536752	61	24	36	-158	-17	-17	2.0	3.0	0.2
SL3251C	VN65 D-536753	61	25	22	-158	-16	-18	5.0	1.0	0.2
SL3252C	VN65 D-536754	61	8	17	-158	-28	-24	5.0	3.0	0.5
SL3253C	VN65 D-536755	61	7	55	-158	-29	-27	10.0	1.0	0.2
SL3254C	VN65 D-536756	61	6	58	-158	-25	-22	0.7	10.0	0.3
SL3255C	VN65 D-536757	61	7	13	-158	-25	-53	5.0	2.0	0.7
SL3256C	VN65 D-536758	61	12	1	-158	-31	-21	5.0	2.0	0.2
SL3257C	VN65 D-536759	61	10	13	-158	-29	-52	7.0	2.0	0.3
SL3258C	VN65 D-536760	61	20	47	-158	-31	-35	3.0	2.0	0.2
SL3259C	VN65 D-536761	61	20	33	-158	-30	-59	10.0	1.0	0.2
SL3260C	VN65 D-536762	61	21	15	-158	-30	-47	0.7	0.7	0.2
SL3261C	VN65 D-536763	61	22	30	-158	-31	-7	3.0	3.0	0.7
SL3262C	VN65 D-536764	61	21	26	-158	-34	-32	10.0	2.0	1.0
SL3263C	VN65 D-536765	61	23	15	-158	-33	-1	10.0	5.0	0.7
SL3264C	VN65 D-536766	61	17	19	-158	-32	-14	3.0	5.0	0.5
SL3265C	VN65 D-536767	61	16	55	-158	-34	-17	2.0	1.5	0.5
SL3266C	VN65 D-536768	61	16	44	-158	-27	-15	7.0	5.0	0.7
SL3267C	VN65 D-536769	61	17	52	-158	-24	-44	5.0	5.0	1.0
SL3268C	VN65 D-536770	61	19	0	-158	-23	-40	3.0	5.0	0.5
SL3269C	VN65 D-536771	61	18	39	-158	-20	-56	5.0	7.0	1.5
SL3301C	VM72 D-534091	61	33	33	-158	-41	-40	2.0	3.0	1.5
SL3302C	VM72 D-534092	61	37	17	-158	-44	-50	1.5	2.0	0.3

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Latitude			Longitude			Ca-%-S	Fe-%-S	Mg-%-S
SL3303C	VM72 D-534093	61	41	2	-158	-43	-3	1.0	2.0	0.5
SL3304C	VM72 D-534094	61	27	55	-158	-44	-45	5.0	1.0	0.5
SL3305C	VM72 D-534095	61	22	35	-158	-43	-34	10.0	1.5	0.7
SL3306C	VM72 D-534096	61	24	58	-158	-44	-6	7.0	2.0	1.5
SL3307C	VM72 D-534097	61	19	0	-158	-43	-6	5.0	2.0	1.0
SL3308C	VM72 D-534098	61	18	57	-158	-42	-17	5.0	1.5	0.3
SL3309C	VM72 D-534099	61	16	14	-158	-46	-5	7.0	5.0	0.5
SL3310C	VM72 D-534100	61	16	45	-158	-50	-32	7.0	3.0	0.5
SL3311C	VM72 D-534101	61	15	19	-158	-44	-21	1.5	5.0	1.0
SL3312C	VM73 D-534102	61	14	12	-158	-41	-40	1.0	1.0	0.1
SL3313C	VM73 D-534103	61	14	30	-158	-37	-5	3.0	5.0	0.5
SL3314C	VM73 D-534104	61	14	37	-158	-34	-24	2.0	5.0	0.7
SL3315C	VM73 D-534105	61	12	46	-158	-41	-13	2.0	0.7	0.2
SL3316C	VM73 D-534106	61	10	58	-158	-41	-51	7.0	2.0	0.7
SL3317C	VM73 D-534107	61	11	32	-158	-39	-25	10.0	2.0	0.5
SL3318C	VM73 D-534108	61	10	18	-158	-39	-21	10.0	5.0	0.7
SL3319C	VM73 D-534109	61	9	58	-158	-37	-50	3.0	1.5	0.7
SL3320C	VM73 D-534110	61	8	55	-158	-40	-36	5.0	5.0	1.5
SL3321C	VM73 D-534111	61	8	7	-158	-33	-30	7.0	3.0	1.0
SL3322C	VM73 D-534112	61	8	10	-158	-33	-7	10.0	2.0	0.3
SL3323C	VM73 D-534113	61	5	22	-158	-32	-32	3.0	1.0	0.2
SL3324C	VM73 D-534114	61	3	45	-158	-33	-23	5.0	2.0	0.7
SL3325C	VM73 D-534115	61	1	29	-158	-33	-6	3.0	5.0	1.0
SL3326C	VM73 D-534116	61	2	2	-158	-32	-36	3.0	1.0	0.5
SL3327C	VM73 D-534117	61	2	1	-158	-37	-16	5.0	2.0	1.0
SL3328C	VM73 D-534118	61	1	36	-158	-41	-2	5.0	1.0	0.5
SL3329C	VM73 D-534119	61	1	60	-158	-50	-8	3.0	1.5	0.5
SL3330C	VM73 D-534120	61	1	3	-158	-47	-4	7.0	1.5	0.5
SL3331C	VM73 D-534121	61	4	27	-158	-41	-47	5.0	2.0	0.3
SL3332C	VM73 D-534122	61	5	31	-158	-43	-31	3.0	10.0	1.0
SL3333C	VM73 D-534123	61	5	47	-158	-45	-33	5.0	7.0	0.7
SL3334C	VM73 D-534124	61	3	50	-158	-49	-46	10.0	10.0	5.0
SL3335C	VM73 D-534125	61	2	23	-158	-52	-59	7.0	5.0	5.0
SL3336C	VM73 D-534126	61	1	9	-158	-57	-50	20.0	0.7	0.5
SL3337C	VM73 D-534127	61	2	26	-158	-57	-18	15.0	1.0	0.7
SL3338C	VM73 D-534128	61	5	54	-158	-57	-29	10.0	2.0	0.3
SL3339C	VM73 D-534129	61	6	53	-158	-50	-49	10.0	7.0	0.3
SL3340C	VM73 D-534130	61	7	4	-158	-42	-43	ins	ins	ins
SL3341C	VM73 D-534131	61	6	17	-158	-41	-49	7.0	5.0	1.0
SL3342C	VM73 D-534132	61	7	38	-158	-46	-51	15.0	5.0	0.7
SL3343C	VM73 D-534133	61	9	3	-158	-49	-33	7.0	7.0	0.7
SL3344C	VM73 D-534134	61	11	24	-158	-54	-17	7.0	3.0	2.0
SL3345C	VM73 D-534135	61	9	34	-158	-56	-10	7.0	5.0	2.0
SL3346C	VN65 D-536772	61	19	41	-158	-52	-28	3.0	2.0	0.5
SL3347C	VN66 D-536773	61	21	7	-158	-55	-4	3.0	1.0	1.0
SL3348C	no sample	61	23	6	-158	-52	-35	ins	ins	ins

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Latitude			Longitude			Ca-%-S	Fe-%-S	Mg-%-S
SL3349C	VN66 D-536774	61	21	43	-158	-48	-11	5.0	0.3	0.5
SL3350C	VN66 D-536775	61	23	58	-158	-48	-48	3.0	5.0	3.0
SL3351C	VN66 D-536776	61	27	33	-158	-46	-16	2.0	3.0	1.0
SL3352C	VN66 D-536777	61	28	24	-158	-51	-18	1.0	1.0	0.5
SL3353C	VN66 D-536778	61	23	1	-158	-26	-13	0.5	7.0	0.7
SL3354C	VN66 D-536779	61	24	6	-158	-27	-49	3.0	3.0	0.7
SL3355C	VN66 D-536780	61	25	21	-158	-28	-28	2.0	7.0	1.0
SL3356C	VN66 D-536781	61	27	34	-158	-21	-40	3.0	3.0	5.0
SL3357C	VN66 D-536782	61	27	8	-158	-20	-16	3.0	2.0	3.0
SL3358C	VN66 D-536783	61	27	51	-158	-23	-39	3.0	5.0	1.0
SL3359C	VN66 D-536784	61	22	17	-158	-32	-41	5.0	3.0	0.5
SL3360C	VN66 D-536785	61	21	1	-158	-35	-59	3.0	2.0	0.3
SL3361C	VN66 D-536786	61	24	50	-158	-32	-2	2.0	1.5	0.5
SL3362C	VN66 D-536787	61	16	46	-158	-33	-20	0.7	5.0	1.0
SL3363C	VN66 D-536788	61	15	56	-158	-36	-30	1.0	5.0	1.0
SL3364C	VN66 D-536789	61	16	58	-158	-23	-44	5.0	1.5	0.2
SL3365C	VN66 D-536790	61	17	4	-158	-20	-58	3.0	5.0	1.0
SL3366C	VN66 D-536791	61	19	54	-158	-22	-12	2.0	3.0	1.5
SL3367C	VN66 D-536792	61	24	43	-158	-22	-32	0.5	2.0	0.5
SL4501C	WB38 D-569043	61	1	17	-158	-25	-40	0.7	3.0	0.3
SL4502C	WB38 D-569044	61	1	21	-158	-25	-44	0.5	2.0	0.2
SL4503C	WB38 D-569045	61	2	10	-158	-24	-34	0.3	1.5	0.1
SL4504C	WB38 D-569046	61	2	4	-158	-24	-28	0.5	1.0	0.1
SL4505C	WB38 D-569047	61	2	12	-158	-22	-27	2.0	5.0	0.3
SL4506C	WB38 D-569048	61	2	4	-158	-22	-28	2.0	5.0	0.3
SL4507C	WB38 D-569049	61	12	27	-158	-28	-59	7.0	3.0	1.0
SL4508C	WB38 D-569050	61	12	28	-158	-29	-8	5.0	0.7	0.2
SL4509C	WB38 D-569051	61	12	45	-158	-30	-49	7.0	2.0	0.3
SL4510C	WB38 D-569052	61	11	23	-158	-28	-8	2.0	1.0	0.2
SL4511C	WB38 D-569053	61	13	37	-158	-29	-12	5.0	3.0	0.5
SL4512C	WB38 D-569054	61	13	36	-158	-29	-20	3.0	2.0	0.3
SL4513C	WB38 D-569055	61	3	39	-158	-24	-40	1.0	10.0	0.1
SL4514C	WB38 D-569056	61	3	41	-158	-24	-35	0.5	15.0	0.1
SL4515C	WB38 D-569057	61	3	40	-158	-19	-2	ins	ins	ins
SL4516C	WB38 D-569058	61	3	43	-158	-19	-10	0.5	2.0	0.2
SL4517C	WB38 D-569059	61	0	39	-158	-21	-20	0.5	2.0	0.7
SL4518C	WB38 D-569060	61	0	36	-158	-21	-24	0.5	1.0	0.5
SL4519C	WB38 D-569061	61	0	18	-158	-18	-11	ins	ins	ins
SL4520C	WB38 D-569062	61	1	55	-158	-17	-33	0.7	1.5	0.2
SL4521C	WB38 D-569063	61	1	59	-158	-17	-44	0.1	3.0	0.3
SL4522C	WB38 D-569064	61	2	58	-158	-16	-44	0.3	5.0	0.3
SL4523C	WB38 D-569065	61	3	43	-158	-19	-38	0.5	3.0	0.2
SL4524C	WB38 D-569066	61	1	46	-158	-21	-6	2.0	5.0	0.2
SL4525C	WB38 D-569067	61	11	2	-158	-19	-58	1.5	2.0	2.0
SL4526C	WB38 D-569068	61	9	54	-158	-19	-13	0.7	2.0	0.5
SL4527C	WB38 D-569069	61	7	44	-158	-17	-2	1.5	5.0	1.5

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Latitude			Longitude			Ca-%-S	Fe-%-S	Mg-%-S
SL4528C	WB38 D-569070	61	7	38	-158	-17	-9	0.2	15.0	0.1
SL4529C	WB38 D-569071	61	6	21	-158	-17	-11	0.7	10.0	0.1
SL4530C	WB38 D-569072	61	6	22	-158	-17	-24	0.5	10.0	0.2
SL4531C	WB39 D-569073	61	8	34	-158	-23	-51	0.5	1.5	0.3
SL4532C	WB39 D-569074	61	7	33	-158	-18	-47	0.7	3.0	0.2
SL4533C	WB39 D-569075	61	9	22	-158	-21	-28	0.7	1.5	0.3
SL4534C	WB39 D-569076	61	7	29	-158	-18	-16	1.0	5.0	0.2
SL4535C	WB39 D-569077	61	10	5	-158	-24	-39	0.7	1.0	0.1
SL4536C	WB39 D-569078	61	14	10	-158	-22	-40	3.0	0.7	0.2
SL4537C	WB39 D-569079	61	13	46	-158	-20	-40	2.0	1.0	0.5
SL4538C	WB39 D-569080	61	13	31	-158	-17	-33	5.0	2.0	2.0
SL4539C	WB39 D-569081	61	13	28	-158	-27	-28	5.0	5.0	0.5
SL4540C	WB39 D-569082	61	13	29	-158	-27	-35	5.0	1.5	0.3
SL4541C	WB39 D-569083	61	2	41	-158	-23	-29	0.3	7.0	0.2
SL4542C	WB39 D-569084	61	2	35	-158	-12	-46	1.0	1.0	0.2
SL4543C	WB39 D-569085	61	2	33	-158	-12	-51	0.5	1.5	0.3
SL4544C	WB39 D-569086	61	4	32	-158	-11	-50	3.0	1.5	0.3
SL4545C	WB39 D-569087	61	25	28	-158	-23	-53	1.0	1.0	0.3
SL4546C	WB39 D-569088	61	24	12	-158	-23	-23	2.0	1.0	0.1
SL4547C	WB39 D-569089	61	24	54	-158	-25	-44	2.0	5.0	0.5
SL4548C	WB39 D-569090	61	24	25	-158	-24	-53	5.0	2.0	0.2
SL4549C	WB39 D-569091	61	26	42	-158	-28	-14	0.7	1.0	0.3
SL4550C	WB39 D-569092	61	14	14	-158	-26	-44	3.0	3.0	0.2
SL4551C	WB39 D-569093	61	14	5	-158	-25	-45	5.0	2.0	0.3
SL4552C	WB39 D-569094	61	14	55	-158	-24	-17	7.0	2.0	0.3
SL4553C	WB39 D-569095	61	23	22	-158	-36	-12	5.0	5.0	0.3
SL4554C	WB39 D-569096	61	24	42	-158	-36	-60	2.0	1.5	1.0
SL4555C	WB39 D-569097	61	24	39	-158	-37	-4	7.0	2.0	0.7
SL4556C	WB39 D-569098	61	25	25	-158	-38	-17	7.0	1.0	0.2
SL4557C	WB39 D-569099	61	27	0	-158	-37	-25	1.5	1.5	0.7
SL4558C	WB39 D-569100	61	27	3	-158	-35	-1	3.0	0.3	0.1
SL4559C	WB39 D-569101	61	26	32	-158	-31	-46	2.0	2.0	0.7
SL4560C	WB39 D-569102	61	25	9	-158	-32	-7	2.0	0.5	0.1
SL4561C	WB39 D-569103	61	28	18	-158	-27	-2	1.0	0.7	0.1

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Na-%-S	P-%-S	Ti-%-S	Ag-ppm-S	As-ppm-S	Au-ppm-S	B-ppm-S
SL3001C	VM69 D-533942	0.5N	10.0	1.5	1N	500N	20N	500
SL3002C	VM69 D-533943	0.5N	20.0	0.7	1N	500N	20N	200
SL3003C	VM69 D-533944	0.5N	1.0	2G	1N	500N	20N	200
SL3004C	VM69 D-533945	0.5N	20.0	2.0	1N	500N	20N	300
SL3005C	VM69 D-533946	0.5N	20G	1.0	1N	500N	20N	50
SL3006C	VM69 D-533947	0.5N	1.5	2G	1N	500N	20N	150
SL3007C	VM69 D-533948	0.5N	2.0	2G	1N	500N	20N	100
SL3008C	VM69 D-533949	0.5N	3.0	2G	1N	500N	20N	500
SL3009C	VM69 D-533950	0.5N	1.0	2G	1N	500N	20N	300
SL3010C	VM69 D-533951	0.5N	5.0	2G	1N	500N	20N	500
SL3011C	VM69 D-533952	0.5N	2.0	2G	7	500N	70	150
SL3012C	VM69 D-533953	0.5N	1.0	2G	2	500N	20	150
SL3013C	VM69 D-533954	0.5N	1.5	2G	1N	500N	20N	100
SL3014C	VM69 D-533955	0.5N	5.0	2G	1N	500N	20N	100
SL3015C	VM69 D-533956	0.5N	1.5	2G	300	500N	1000G	150
SL3016C	VM69 D-533957	0.5N	1.0	2G	1N	500N	20N	200
SL3017C	VM69 D-533958	0.5N	1.0	2G	1N	500N	20N	300
SL3018C	VM69 D-533959	0.5N	1.0	2G	1N	500N	20N	300
SL3019C	VM69 D-533960	ins	ins	ins	ins	ins	ins	ins
SL3020C	VM69 D-533961	0.5N	10.0	2G	1N	500N	20N	100
SL3021C	VM69 D-533962	0.5N	10.0	2G	1N	500N	20N	300
SL3022C	VM69 D-533963	0.5N	15.0	2G	1N	500N	20N	700
SL3023C	VM69 D-533964	0.5L	0.5L	2G	1N	500N	20N	300
SL3024C	VM69 D-533965	0.5N	5.0	2.0	1N	500N	20N	500
SL3025C	VM69 D-533966	0.5N	5.0	2G	1N	500N	20N	1000
SL3026C	VM69 D-533967	0.5N	2.0	2G	1N	500N	20N	150
SL3027C	VM69 D-533968	0.5N	2.0	2G	1N	500N	20N	200
SL3028C	VM69 D-533969	0.5N	3.0	2G	1N	500N	20N	200
SL3029C	VM69 D-533970	0.5N	1.5	2G	1N	500N	20N	100
SL3030C	VM69 D-533971	0.5N	2.0	2G	1N	500N	20N	500
SL3031C	VM69 D-533972	0.5N	2.0	2G	1N	500N	20N	150
SL3032C	VM69 D-533973	0.5N	0.7	2G	1N	500N	20N	2000
SL3033C	VM69 D-533974	0.5N	0.5	2.0	1N	500N	20N	100
SL3034C	VM69 D-533975	0.5L	0.5N	2.0	1N	500N	20N	30
SL3035C	VM69 D-533976	0.5N	1.5	2G	1N	500N	20N	150
SL3036C	VM69 D-533977	0.5L	0.5L	2.0	1N	500N	20N	150
SL3037C	VM69 D-533978	0.5N	1.5	2G	1N	500N	20N	100
SL3038C	VM69 D-533979	1.0	2.0	2.0	1N	500N	20N	20
SL3039C	VM69 D-533980	0.5	2.0	2G	1N	500N	20N	50
SL3040C	VM69 D-533981	0.5L	1.0	2G	1N	500N	20N	20L
SL3041C	VM70 D-533982	0.5N	1.0	2G	1N	500N	20N	70
SL3042C	VM70 D-533983	0.5N	1.0	2G	1N	500N	20N	100
SL3043C	VM70 D-533984	0.5N	0.7	2.0	1N	500N	20N	20L
SL3044C	VM70 D-533985	0.5N	0.7	2G	1N	500N	20N	20
SL3045C	VM70 D-533986	0.5N	1.0	2G	1N	500N	20N	50
SL3046C	VM70 D-533987	0.5N	0.5	2.0	1N	500N	20N	100

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Na-%-S	P-%-S	Ti-%-S	Ag-ppm-S	As-ppm-S	Au-ppm-S	B-ppm-S
SL3047C	VM70 D-533988	0.5N	1.5	2G	1N	500N	20N	70
SL3048C	VM70 D-533989	0.5N	1.0	2G	1N	500N	20N	50
SL3049C	VM70 D-533990	0.5N	0.5L	2.0	1N	500N	20N	30
SL3050C	VM70 D-533991	0.5N	1.0	2.0	1N	500N	20N	30
SL3051C	VM70 D-533992	0.5N	1.5	1.5	10	500N	150	500
SL3052C	VM70 D-533993	0.5N	0.5	1.0	1N	500N	20N	20
SL3053C	VM70 D-533994	0.5N	0.5N	2.0	1N	500N	20N	20
SL3054C	VM70 D-533995	0.5N	1.0	2.0	1N	500N	20N	20L
SL3055C	VM70 D-533996	0.5N	2.0	1.5	1N	500N	20N	1000
SL3056C	VM70 D-533997	ins	ins	ins	ins	ins	ins	ins
SL3057C	VM70 D-533998	0.5N	0.5L	2G	1N	500N	20N	5000
SL3058C	VM70 D-533999	0.5L	2.0	0.5	1N	500N	20N	100
SL3059C	VM70 D-534000	0.5N	1.0	2.0	1N	500N	20N	20
SL3060C	VM70 D-534001	0.5N	0.5L	0.7	1N	500N	20N	700
SL3061C	VM70 D-534002	0.5L	0.5	2G	1N	500N	20N	5000G
SL3064C	VN64 D-536695	0.5N	2.0	2G	1N	500N	20N	500
SL3065C	VN64 D-536696	0.5N	0.5	2G	1N	500N	20N	2000
SL3066C	VN64 D-536697	0.5N	0.5L	2G	1N	500L	20N	2000
SL3067C	VN64 D-536698	0.5L	0.5N	2.0	1N	500N	20N	3000
SL3068C	VN64 D-536699	0.5L	0.5N	2G	1N	500N	20N	300
SL3069C	VN64 D-536700	0.5N	3.0	2G	1N	500N	20N	500
SL3070C	VN64 D-536701	0.5	0.5L	2.0	1N	500N	20N	2000
SL3071C	VN64 D-536702	0.5N	1.0	2.0	1N	500N	20N	150
SL3072C	VN64 D-536703	0.5N	0.7	2G	1N	500N	20N	3000
SL3073C	no sample	ins	ins	ins	ins	ins	ins	ins
SL3074C	VN64 D-536704	0.5N	2.0	2G	1N	500N	20N	2000
SL3075C	VN64 D-536705	0.5N	5.0	1.5	1N	500N	20N	1000
SL3076C	VN64 D-536706	0.5L	0.5N	2.0	1N	500N	20N	1000
SL3077C	VN64 D-536707	0.5N	0.7	2G	1N	500N	20N	500
SL3078C	VN64 D-536708	0.5N	1.0	2G	1N	500N	20N	200
SL3079C	VN64 D-536709	0.5L	0.5L	2G	2	500N	20N	3000
SL3080C	VN64 D-536710	0.5N	0.5N	2.0	1N	500N	20N	200
SL3081C	VN64 D-536711	0.5L	0.5	2G	1N	500N	20N	5000
SL3082C	VN64 D-536712	0.5L	1.5	1.0	1N	500N	20N	20L
SL3083C	VN64 D-536713	0.5N	1.0	0.5	1N	500N	20N	20L
SL3084C	VN64 D-536714	0.5N	0.5	2G	1N	500N	20N	300
SL3085C	VN64 D-536715	ins	ins	ins	ins	ins	ins	ins
SL3086C	VN64 D-536716	0.5N	0.7	2G	1N	500N	20N	3000
SL3087C	VN64 D-536717	0.5N	1.5	2.0	1N	500N	20N	200
SL3088C	VN64 D-536718	0.5N	3.0	2G	1N	500N	20N	200
SL3089C	VN64 D-536719	0.5N	5.0	2G	1N	500N	20N	100
SL3090C	VN64 D-536720	0.5N	3.0	1.5	1N	500N	20N	20
SL3091C	VN64 D-536721	0.5N	3.0	2G	1N	500N	20N	100
SL3092C	VN64 D-536722	0.5N	1.5	2G	1N	500N	20N	200
SL3093C	VN64 D-536723	0.5N	1.5	2G	1N	500N	20N	100
SL3094C	VN64 D-536724	0.5N	0.5N	0.7	1N	500N	20N	300

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Na-%-S	P-%-S	Ti-%-S	Ag-ppm-S	As-ppm-S	Au-ppm-S	B-ppm-S
SL3095C	VN64 D-536725	0.5N	1.5	2G	1N	500N	20N	70
SL3096C	VN64 D-536726	0.5N	2.0	2G	1N	500N	20N	100
SL3097C	VN64 D-536727	0.5L	1.5	2.0	1N	500N	20N	5000
SL3098C	VN64 D-536728	0.5N	2.0	2G	1	500N	20N	2000
SL3099C	VN64 D-536729	0.5N	0.5	2G	1N	500N	20N	5000
SL3101C	VM70 D-534003	0.5N	3.0	2.0	1N	500N	20N	1500
SL3102C	VM70 D-534004	0.5N	1.0	2G	1N	500N	20N	200
SL3103C	VM70 D-534005	0.5N	2.0	2G	1N	500N	20N	500
SL3104C	VM70 D-534006	0.5N	1.5	2G	1N	500N	20N	500
SL3105C	VM70 D-534007	0.5N	1.0	2G	1N	500N	20N	300
SL3106C	VM70 D-534008	0.5N	1.0	2G	1N	500N	20N	200
SL3107C	VM70 D-534009	0.5N	1.0	2G	1N	500N	20N	200
SL3108C	VM70 D-534010	0.5N	0.5N	2.0	1	500N	20L	150
SL3109C	VM70 D-534011	0.5N	0.5L	2G	1N	500N	20N	500
SL3110C	VM70 D-534012	0.5N	0.5	2G	1N	500N	20N	200
SL3111C	VM70 D-534013	0.5N	1.0	2G	1N	500N	20N	300
SL3112C	VM70 D-534014	0.5N	1.0	2G	1N	500N	20N	200
SL3113C	VM70 D-534015	0.5N	0.5L	2G	1N	500N	20N	500
SL3114C	VM70 D-534016	0.5N	2.0	2.0	1N	500N	20N	500
SL3115C	VM70 D-534017	0.5N	1.5	2G	1N	500N	20N	1000
SL3116C	VM70 D-534018	0.5N	1.5	2G	1N	500N	20L	5000
SL3117C	VM70 D-534019	0.5L	0.5N	2.0	1N	500L	20N	5000
SL3118C	VM70 D-534020	0.5	0.5L	2.0	1N	500L	20N	5000G
SL3119C	VM70 D-534021	0.5N	1.0	2G	1N	500N	20L	2000
SL3120C	VM71 D-534022	0.5L	0.5	2.0	1N	500N	20N	1000
SL3121C	VM71 D-534023	0.5N	1.0	2G	1N	500N	20N	5000G
SL3122C	VM71 D-534024	0.5L	0.5N	2.0	1N	500N	20N	5000G
SL3123C	VM71 D-534025	0.5N	0.5N	0.5	1N	500N	20N	50
SL3124C	VM71 D-534026	0.5	0.5N	1.0	1N	500N	20N	1000
SL3125C	VM71 D-534027	0.5N	2.0	2G	1N	500N	20N	50
SL3126C	VM71 D-534028	0.5N	1.0	2G	1N	500N	20N	20
SL3127C	VM71 D-534029	0.5N	1.5	2G	1N	500N	20N	30
SL3128C	VM71 D-534030	0.5N	1.0	2G	1N	500N	20N	50
SL3129C	VM71 D-534031	0.5N	1.0	2G	1N	500N	20N	20
SL3130C	VM71 D-534032	0.5	0.7	2.0	1N	500N	20N	70
SL3131C	VM71 D-534033	0.5N	1.5	2G	1N	500N	20N	100
SL3132C	VM71 D-534034	0.5N	1.5	2G	1N	500N	20N	30
SL3133C	VM71 D-534035	0.5N	2.0	2G	1N	500N	20N	150
SL3134C	VM71 D-534036	1.0	1.5	2G	1N	500N	20N	50
SL3135C	VM71 D-534037	0.7	1.0	2G	1N	500N	20N	30
SL3136C	VM71 D-534038	0.5N	0.5L	0.5	1N	500N	20N	20L
SL3137C	VM71 D-534039	0.5N	0.7	2G	1N	500N	20N	30
SL3138C	VM71 D-534040	0.5N	0.5	1.0	1N	500N	20N	500
SL3139C	VM71 D-534041	0.5N	2.0	2.0	1N	500N	20N	70
SL3140C	VM71 D-534042	0.5L	0.5	2G	1N	500N	20N	20
SL3141C	VM71 D-534043	0.5N	5.0	2G	1N	500N	20N	70

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Na-%-S	P-%-S	Ti-%-S	Ag-ppm-S	As-ppm-S	Au-ppm-S	B-ppm-S
SL3142C	VM71 D-534044	0.5N	1.5	2.0	1N	500N	20N	5000
SL3143C	VM71 D-534045	0.5N	1.0	2G	1N	500N	20N	200
SL3144C	VM71 D-534046	0.5N	3.0	2G	1N	500N	20N	500
SL3145C	VM71 D-534047	0.5	0.7	2G	1N	500N	20N	50
SL3146C	VM71 D-534048	0.5N	0.5N	2G	1N	500N	20N	5000
SL3147C	VM71 D-534049	0.5N	1.0	2G	1N	500N	20N	5000
SL3148C	VM71 D-534050	0.5L	0.5	2G	1N	500N	20N	5000G
SL3149C	VN64 D-536730	0.5N	1.5	2G	1N	500N	20N	300
SL3150C	VN64 D-536731	0.5N	2.0	2G	1N	500N	20N	300
SL3151C	VN64 D-536732	0.5N	1.0	2G	1N	500N	20N	500
SL3152C	VN65 D-536733	0.5N	5.0	1.5	1N	500N	20N	150
SL3153C	VN65 D-536734	0.5N	0.5L	2G	1N	500N	20N	500
SL3154C	VN65 D-536735	0.5N	3.0	2G	1N	500N	20N	70
SL3155C	VN65 D-536736	0.5N	1.5	2G	1N	500N	20N	100
SL3156C	VN65 D-536737	0.5N	1.0	2G	1L	500N	20N	5000
SL3157C	VN65 D-536738	0.5N	1.5	2G	1N	500N	20N	3000
SL3158C	VN65 D-536739	0.5L	0.5N	2G	1N	500N	20N	700
SL3159C	VN65 D-536740	0.5N	5.0	2G	1N	500N	20N	30
SL3160C	VN65 D-536741	0.5N	1.5	2G	1N	500N	20N	100
SL3161C	VN65 D-536742	0.5N	1.0	2G	1N	500N	20N	200
SL3200C	VM71 D-534051	0.5N	1.0	2G	1N	500N	20N	150
SL3201C	VM71 D-534052	0.5N	0.5N	2G	1N	500N	20N	500
SL3202C	VM71 D-534053	0.5N	1.0	2G	1N	500N	20N	300
SL3203C	VM71 D-534054	0.5N	0.7	2G	1N	500N	20N	500
SL3204C	VM71 D-534055	0.5N	2.0	2G	1N	500N	20N	500
SL3205C	VM71 D-534056	0.5N	1.0	2G	1N	500N	20N	200
SL3206C	VM71 D-534057	1.0	0.5N	1.5	1N	500N	20N	150
SL3207C	VM71 D-534058	0.5	0.5L	2G	1N	500N	20N	500
SL3208C	VM71 D-534059	0.5N	1.5	2.0	1N	500N	20N	1000
SL3209C	VM71 D-534060	0.5L	0.5N	2G	1N	500N	20N	1000
SL3210C	VM71 D-534061	0.5L	0.5L	2G	1N	500N	20N	500
SL3211C	VM72 D-534062	0.5L	0.5L	1.0	1N	500N	20N	200
SL3212C	VM72 D-534063	0.5	1.5	2G	1N	500N	20N	5000G
SL3213C	VM72 D-534064	0.7	0.7	2.0	1N	500N	20N	5000G
SL3214C	VM72 D-534065	0.5N	0.5N	1.5	1N	500N	20N	200
SL3215C	VM72 D-534066	0.5N	0.5N	1.5	1N	500N	20N	5000
SL3216C	VM72 D-534067	0.5L	0.5N	2G	1N	500N	20N	5000
SL3217C	VM72 D-534068	0.5N	0.5	1.0	1N	500N	20N	300
SL3218C	no sample	ins	ins	ins	ins	ins	ins	ins
SL3219C	VM72 D-534069	0.5L	0.5	2G	1N	500N	20N	200
SL3220C	VM72 D-534070	0.5	0.5	2.0	1N	500N	20N	50
SL3221C	VM72 D-534071	0.5N	0.5	1.5	1N	500N	20N	50
SL3222C	VM72 D-534072	0.5L	0.7	2G	1N	500N	20N	70
SL3223C	VM72 D-534073	0.5N	1.0	2G	1N	500	20N	50
SL3224C	VM72 D-534074	0.5L	0.5N	2.0	1N	500N	20N	20L
SL3225C	VM72 D-534075	0.5N	0.7	2.0	1N	500N	20N	100

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Na-%-S	P-%-S	Ti-%-S	Ag-ppm-S	As-ppm-S	Au-ppm-S	B-ppm-S
SL3226C	VM72 D-534076	0.5N	1.0	2G	1N	500N	20N	150
SL3227C	VM72 D-534077	0.5L	0.5L	2.0	1N	500N	20N	20
SL3228C	VM72 D-534078	0.5L	0.5	2G	1N	500N	20N	20L
SL3229C	VM72 D-534079	0.5N	0.7	2G	1N	500N	20N	30
SL3230C	VM72 D-534080	0.5N	2.0	2G	1N	500N	20N	150
SL3231C	VM72 D-534081	0.5N	0.7	2G	1N	500N	20N	50
SL3232C	VM72 D-534082	0.5	2.0	1.0	1N	500N	20N	50
SL3233C	VM72 D-534083	0.5N	0.5N	2.0	1N	500N	20N	100
SL3234C	VM72 D-534084	0.5L	0.7	1.5	1N	500N	20N	300
SL3235C	VM72 D-534085	0.5L	1.0	2G	1N	500N	20N	150
SL3236C	VM72 D-534086	0.5	0.5N	1.0	1N	500N	20N	20L
SL3237C	VM72 D-534087	0.5L	0.5N	1.5	1N	500N	20N	20L
SL3238C	VM72 D-534088	0.5N	0.5L	2G	1N	500N	20N	2000
SL3239C	VM72 D-534089	0.5N	0.5	1.5	1N	500N	20N	70
SL3240C	VM72 D-534090	0.5N	1.0	1.5	1N	500N	20N	50
SL3241C	VN65 D-536743	0.5N	0.5	2G	10	500N	30	300
SL3242C	VN65 D-536744	0.5N	0.7	2G	1N	500N	20N	2000
SL3243C	VN65 D-536745	0.5N	10.0	2G	1N	500N	20N	300
SL3244C	VN65 D-536746	0.5N	0.7	2G	1N	500N	20N	5000
SL3245C	VN65 D-536747	0.5N	2.0	2G	1N	500N	20N	100
SL3246C	VN65 D-536748	1.0	0.5N	2G	1N	500N	20N	150
SL3247C	VN65 D-536749	0.5N	1.0	2G	1N	500N	20N	200
SL3248C	VN65 D-536750	0.5N	0.7	2G	1N	500N	20N	500
SL3249C	VN65 D-536751	0.5N	2.0	2G	1N	500N	20N	2000
SL3250C	VN65 D-536752	0.5N	2.0	2G	1N	500N	20N	1000
SL3251C	VN65 D-536753	0.5N	10.0	2G	1N	500N	20N	150
SL3252C	VN65 D-536754	0.5N	10.0	2G	1N	500N	20N	20
SL3253C	VN65 D-536755	0.5N	20.0	2.0	1N	500N	20N	20
SL3254C	VN65 D-536756	0.5N	1.5	2G	1N	500N	20N	200
SL3255C	VN65 D-536757	0.5N	3.0	2G	1N	500N	20N	200
SL3256C	VN65 D-536758	0.5N	0.5	2G	1N	500N	20N	70
SL3257C	VN65 D-536759	0.5N	1.0	2G	1N	500N	20N	300
SL3258C	VN65 D-536760	0.5N	2.0	2G	7	500N	20N	500
SL3259C	VN65 D-536761	0.5N	20G	2G	1N	500N	20N	500
SL3260C	VN65 D-536762	0.5N	1.0	2G	1	500N	20L	700
SL3261C	VN65 D-536763	0.5N	2.0	2G	3	500N	20N	2000
SL3262C	VN65 D-536764	0.5N	3.0	2G	1N	500N	20N	500
SL3263C	VN65 D-536765	0.5N	1.0	2G	1N	500N	20N	30
SL3264C	VN65 D-536766	0.5N	3.0	2G	1.5	500N	20N	2000
SL3265C	VN65 D-536767	0.5N	2.0	2G	1N	500N	20N	3000
SL3266C	VN65 D-536768	0.5N	0.5N	1.5	1N	500N	20N	1500
SL3267C	VN65 D-536769	0.5	1.0	2.0	1N	500N	20N	5000
SL3268C	VN65 D-536770	0.5N	0.5	2G	1N	500N	20N	2000
SL3269C	VN65 D-536771	0.5L	0.5L	2.0	1N	500N	20N	3000
SL3301C	VM72 D-534091	0.5N	1.5	2G	1N	500N	20N	300
SL3302C	VM72 D-534092	0.5N	2.0	2G	1N	500N	20N	300

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Na-%-S	P-%-S	Ti-%-S	Ag-ppm-S	As-ppm-S	Au-ppm-S	B-ppm-S
SL3303C	VM72 D-534093	0.5N	1.0	2G	1N	500N	20N	300
SL3304C	VM72 D-534094	0.5N	5.0	2G	1N	500N	20N	300
SL3305C	VM72 D-534095	0.5N	20.0	2G	1N	500N	20N	1000
SL3306C	VM72 D-534096	0.5N	10.0	2G	1N	500N	20N	1000
SL3307C	VM72 D-534097	0.5N	1.0	2G	1N	500N	20N	150
SL3308C	VM72 D-534098	0.5N	5.0	2G	1N	500N	20N	1000
SL3309C	VM72 D-534099	0.5N	0.5L	1.0	1N	500N	20N	500
SL3310C	VM72 D-534100	0.5	0.5L	2G	1N	500N	20N	70
SL3311C	VM72 D-534101	0.5L	0.5	2G	1N	500N	20N	5000
SL3312C	VM73 D-534102	0.5N	1.5	2G	1N	500N	20N	100
SL3313C	VM73 D-534103	0.5N	2.0	2G	5.0	1000	20N	1500
SL3314C	VM73 D-534104	0.5N	1.5	2G	1N	500N	20N	2000
SL3315C	VM73 D-534105	0.5N	1.5	2G	1N	500N	20N	700
SL3316C	VM73 D-534106	0.5N	0.7	2G	1N	500N	20N	3000
SL3317C	VM73 D-534107	0.5N	1.0	2G	1N	500N	20N	150
SL3318C	VM73 D-534108	0.5N	3.0	2G	1N	500N	20N	300
SL3319C	VM73 D-534109	0.5N	2.0	2G	1N	500N	20N	100
SL3320C	VM73 D-534110	0.5N	2.0	2G	1N	500N	20N	30
SL3321C	VM73 D-534111	0.5N	2.0	2G	1N	500N	20N	50
SL3322C	VM73 D-534112	0.5N	5.0	2G	1N	500N	20N	30
SL3323C	VM73 D-534113	0.5N	3.0	2G	1N	500N	20N	20
SL3324C	VM73 D-534114	0.5N	5.0	2G	1N	500N	20N	20L
SL3325C	VM73 D-534115	0.5N	2.0	2G	1N	500N	20N	150
SL3326C	VM73 D-534116	0.5N	1.5	2G	1N	500N	20N	200
SL3327C	VM73 D-534117	0.5N	3.0	2G	1N	500N	20N	30
SL3328C	VM73 D-534118	0.5N	0.5	2G	1N	500N	20N	50
SL3329C	VM73 D-534119	0.5N	1.5	2G	1N	500N	20N	50
SL3330C	VM73 D-534120	0.5N	1.5	2G	1N	500N	20N	1000
SL3331C	VM73 D-534121	0.5N	2.0	2G	1N	500N	20N	70
SL3332C	VM73 D-534122	0.5N	1.0	2G	1N	500N	20N	50
SL3333C	VM73 D-534123	0.5N	3.0	2G	1N	500N	20N	150
SL3334C	VM73 D-534124	0.5N	0.7	2G	1N	500N	20N	20
SL3335C	VM73 D-534125	0.5N	1.0	2G	1N	500N	20N	150
SL3336C	VM73 D-534126	0.5N	20G	0.3	1N	500N	20N	20N
SL3337C	VM73 D-534127	0.5N	20.0	1.0	1N	500N	20N	20
SL3338C	VM73 D-534128	0.5N	1.5	2G	1N	500N	20N	5000G
SL3339C	VM73 D-534129	0.5N	0.5N	2.0	1N	500N	20N	3000
SL3340C	VM73 D-534130	ins	ins	ins	ins	ins	ins	ins
SL3341C	VM73 D-534131	0.5N	2.0	2G	1N	500N	20N	100
SL3342C	VM73 D-534132	0.5N	0.5L	2.0	1N	500N	20N	1500
SL3343C	VM73 D-534133	0.5N	0.5L	2G	1N	500N	20N	5000
SL3344C	VM73 D-534134	0.5N	1.5	2G	1N	500N	20N	2000
SL3345C	VM73 D-534135	0.5N	1.5	2G	1N	500N	20N	3000
SL3346C	VN65 D-536772	0.5N	1.0	2G	1N	500N	20N	1500
SL3347C	VN66 D-536773	0.5N	5.0	0.7	1N	500N	20N	500
SL3348C	no sample	ins	ins	ins	ins	ins	ins	ins

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Na-%-S	P-%-S	Ti-%-S	Ag-ppm-S	As-ppm-S	Au-ppm-S	B-ppm-S
SL3349C	VN66 D-536774	0.5N	15.0	1.0	1N	500N	20N	50
SL3350C	VN66 D-536775	0.5N	1.5	1.5	1N	500N	20N	5000G
SL3351C	VN66 D-536776	0.5N	1.0	2G	1N	500N	20N	1000
SL3352C	VN66 D-536777	0.5N	1.5	2G	1N	500N	20N	500
SL3353C	VN66 D-536778	0.5L	0.5N	2.0	1N	500N	20N	5000
SL3354C	VN66 D-536779	0.5N	0.5L	2.0	1N	500N	20N	1500
SL3355C	VN66 D-536780	0.5L	0.5L	2.0	1N	500N	20N	5000G
SL3356C	VN66 D-536781	0.5L	0.5	0.5	1N	500N	20N	20
SL3357C	VN66 D-536782	0.5N	3.0	0.7	1N	500N	20N	20
SL3358C	VN66 D-536783	0.5L	0.5N	1.0	1N	500N	20N	200
SL3359C	VN66 D-536784	0.5N	0.5L	1.0	1N	500N	20N	1000
SL3360C	VN66 D-536785	0.5N	0.5	1.5	1N	500N	20N	1500
SL3361C	VN66 D-536786	0.5N	0.5L	2.0	1N	500N	20N	300
SL3362C	VN66 D-536787	0.5	0.5N	1.5	1L	500N	20N	5000G
SL3363C	VN66 D-536788	0.5L	0.5	2G	1N	500N	20N	5000G
SL3364C	VN66 D-536789	0.5N	0.5N	0.7	1N	500N	20N	700
SL3365C	VN66 D-536790	0.5	0.5N	1.0	1N	500N	20N	5000G
SL3366C	VN66 D-536791	0.5N	0.5N	2.0	1N	500N	20N	2000
SL3367C	VN66 D-536792	0.5N	0.5L	2G	1N	500N	20N	5000
SL4501C	WB38 D-569043	0.5N	1.5	2G	1N	500N	20N	70
SL4502C	WB38 D-569044	0.5N	1	2G	1N	500N	20N	100
SL4503C	WB38 D-569045	0.5L	0.5	2G	1N	500N	20N	70
SL4504C	WB38 D-569046	0.5N	1	2G	1N	500N	20N	70
SL4505C	WB38 D-569047	0.5	1.5	2G	1N	500N	20N	70
SL4506C	WB38 D-569048	0.7	1.5	2G	1N	500N	20N	50
SL4507C	WB38 D-569049	0.5N	0.7	2.0	1N	500N	20N	150
SL4508C	WB38 D-569050	0.5N	0.5L	2G	1N	500N	20N	200
SL4509C	WB38 D-569051	0.5N	0.5N	2G	1N	500N	20N	300
SL4510C	WB38 D-569052	0.5L	0.7	2G	1N	500N	20N	100
SL4511C	WB38 D-569053	0.5L	0.5L	2G	1N	500	20N	1000
SL4512C	WB38 D-569054	0.5N	0.5N	2G	70	500	150	500
SL4513C	WB38 D-569055	0.5N	0.7	2.0	1N	500N	20N	50
SL4514C	WB38 D-569056	0.5N	0.5	2.0	1N	500L	20N	20L
SL4515C	WB38 D-569057	ins	ins	ins	ins	ins	ins	ins
SL4516C	WB38 D-569058	0.5N	1.5	2.0	1N	500N	20N	50
SL4517C	WB38 D-569059	0.5L	0.5N	2.0	1N	500N	20N	50
SL4518C	WB38 D-569060	0.5N	1	2.0	1N	500N	20N	50
SL4519C	WB38 D-569061	ins	ins	ins	ins	ins	ins	ins
SL4520C	WB38 D-569062	0.5N	2	2G	1N	500N	20N	70
SL4521C	WB38 D-569063	0.5N	1	1.5	1N	500N	20N	50
SL4522C	WB38 D-569064	0.5N	1	2G	1N	500N	20N	100
SL4523C	WB38 D-569065	0.7	0.7	2G	1N	500N	20N	50
SL4524C	WB38 D-569066	0.5N	2	2.0	1N	500N	20N	50
SL4525C	WB38 D-569067	0.5L	0.5N	2.0	1N	500N	20N	20
SL4526C	WB38 D-569068	0.5L	0.7	2G	1N	500N	20N	20
SL4527C	WB38 D-569069	0.5N	0.5	2G	1N	500N	20N	100

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Na-%-S	P-%-S	Ti-%-S	Ag-ppm-S	As-ppm-S	Au-ppm-S	B-ppm-S
SL4528C	WB38 D-569070	0.5N	0.5L	0.7	1	500N	20N	20
SL4529C	WB38 D-569071	0.5L	0.5	1.5	1N	500N	20N	50
SL4530C	WB38 D-569072	0.5L	0.7	1.5	1N	500N	20N	70
SL4531C	WB39 D-569073	0.5L	0.7	2G	1N	500N	20N	70
SL4532C	WB39 D-569074	0.5N	1	2G	1N	500N	20N	70
SL4533C	WB39 D-569075	0.5L	0.7	2G	1N	500N	20N	30
SL4534C	WB39 D-569076	0.5L	1	2G	1N	500N	20N	50
SL4535C	WB39 D-569077	0.5N	0.7	2G	1N	500N	20N	20L
SL4536C	WB39 D-569078	0.5L	2	2G	1N	500N	20N	50
SL4537C	WB39 D-569079	0.5L	1	2G	1N	500N	20N	30
SL4538C	WB39 D-569080	0.5L	0.7	2G	1N	500N	20N	50
SL4539C	WB39 D-569081	0.5N	0.5N	1.5	1N	500N	20N	500
SL4540C	WB39 D-569082	0.5N	0.5L	2.0	1L	500N	20N	500
SL4541C	WB39 D-569083	0.5	0.5	1.5	1L	500N	20N	20
SL4542C	WB39 D-569084	0.5N	1.5	2G	1N	500N	20N	300
SL4543C	WB39 D-569085	0.5L	1	2G	1N	500N	20N	30
SL4544C	WB39 D-569086	0.5N	2	2G	1N	500N	20N	20
SL4545C	WB39 D-569087	0.5N	0.7	2G	1N	500N	20N	30
SL4546C	WB39 D-569088	0.5	1.5	2G	1L	500N	20N	150
SL4547C	WB39 D-569089	0.5L	0.7	2G	100	500N	200	500
SL4548C	WB39 D-569090	0.5L	2	2G	1N	500N	20N	200
SL4549C	WB39 D-569091	0.5N	0.5	2G	1N	500N	20N	500
SL4550C	WB39 D-569092	0.5L	0.5L	2G	1N	500N	20N	1000
SL4551C	WB39 D-569093	0.5L	0.5N	2.0	1N	500N	20N	700
SL4552C	WB39 D-569094	0.5N	0.7	2G	1N	500N	20N	1000
SL4553C	WB39 D-569095	0.5N	0.5	2.0	1N	500N	20N	200
SL4554C	WB39 D-569096	0.5N	1	2G	5	500N	20N	500
SL4555C	WB39 D-569097	0.5N	1	2G	1N	500N	20N	200
SL4556C	WB39 D-569098	0.5N	2	2G	1N	500N	20N	50
SL4557C	WB39 D-569099	0.5N	1	2G	1N	500N	20N	700
SL4558C	WB39 D-569100	0.5N	3	2G	1N	500N	20N	100
SL4559C	WB39 D-569101	0.5N	1	2.0	200	500N	300	1500
SL4560C	WB39 D-569102	0.5N	7	2G	1N	500N	20N	100
SL4561C	WB39 D-569103	0.5	1	2G	1N	500N	20N	70

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Ba-ppm-S	Be-ppm-S	Bi-ppm-S	Cd-ppm-S	Co-ppm-S	Cr-ppm-S	Cu-ppm-S
SL3001C	VM69 D-533942	100	2N	20N	50N	20L	3000	10L
SL3002C	VM69 D-533943	50	2N	20N	50N	20N	700	10N
SL3003C	VM69 D-533944	500	2L	20N	50N	30	5000	10N
SL3004C	VM69 D-533945	200	2N	20N	50N	20N	500	10N
SL3005C	VM69 D-533946	100	2N	20N	50N	20N	100	10N
SL3006C	VM69 D-533947	300	2L	20N	50N	20N	1000	10N
SL3007C	VM69 D-533948	150	2L	20N	50N	20N	700	10N
SL3008C	VM69 D-533949	5000	2	20N	50N	20N	1000	10N
SL3009C	VM69 D-533950	500	2	20N	50N	20N	1000	10N
SL3010C	VM69 D-533951	10000G	2	20N	50N	50	500	10N
SL3011C	VM69 D-533952	3000	2L	20N	50N	20N	500	10N
SL3012C	VM69 D-533953	3000	2L	20N	50N	20N	200	10N
SL3013C	VM69 D-533954	10000	2	20N	50N	20N	150	10N
SL3014C	VM69 D-533955	200	2L	20N	50N	20N	100	10N
SL3015C	VM69 D-533956	300	2L	20N	50N	20L	1500	10N
SL3016C	VM69 D-533957	500	2	20N	50N	20N	300	10N
SL3017C	VM69 D-533958	300	2	20N	50N	20L	5000	10N
SL3018C	VM69 D-533959	1000	2L	20N	50N	20N	1000	10N
SL3019C	VM69 D-533960	ins	ins	ins	ins	ins	ins	ins
SL3020C	VM69 D-533961	200	2N	20N	50N	20N	200	10N
SL3021C	VM69 D-533962	200	2L	20N	50N	20N	500	10N
SL3022C	VM69 D-533963	200	2	20N	50N	20N	300	10N
SL3023C	VM69 D-533964	200	2N	20N	50N	20L	200	10N
SL3024C	VM69 D-533965	150	2N	500	50N	20N	50	20
SL3025C	VM69 D-533966	100	7	1000	50N	20N	30	10N
SL3026C	VM69 D-533967	200	2N	20N	50N	20N	700	10N
SL3027C	VM69 D-533968	70	5	700	50N	20N	20	10N
SL3028C	VM69 D-533969	70	7	1000	50N	20N	50	10N
SL3029C	VM69 D-533970	70	10	20	50N	20N	70	10N
SL3030C	VM69 D-533971	50	7	150	50N	20N	70	10N
SL3031C	VM69 D-533972	100	10	20N	50N	20N	70	10N
SL3032C	VM69 D-533973	150	7	2000G	50N	20L	70	70
SL3033C	VM69 D-533974	100	2N	20N	50N	20N	20L	15
SL3034C	VM69 D-533975	150	2N	20N	50N	20N	20L	10N
SL3035C	VM69 D-533976	1500	2N	20N	50N	50	300	100
SL3036C	VM69 D-533977	200	2L	20N	50N	20L	1500	10N
SL3037C	VM69 D-533978	1000	2N	200	50N	20N	200	10N
SL3038C	VM69 D-533979	10000G	2N	20N	50N	20	1000	50
SL3039C	VM69 D-533980	10000G	2N	20N	50N	20	300	30
SL3040C	VM69 D-533981	3000	2N	20N	50N	20	3000	10N
SL3041C	VM70 D-533982	2000	2L	20N	50N	30	500	70
SL3042C	VM70 D-533983	2000	2L	20N	50N	30	150	100
SL3043C	VM70 D-533984	100	2N	20N	50N	20L	2000	10N
SL3044C	VM70 D-533985	500	2N	20N	50N	20L	1000	10N
SL3045C	VM70 D-533986	100	2N	20N	50N	20L	300	10N
SL3046C	VM70 D-533987	3000	2N	20N	50N	20L	300	20

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Ba-ppm-S	Be-ppm-S	Bi-ppm-S	Cd-ppm-S	Co-ppm-S	Cr-ppm-S	Cu-ppm-S
SL3047C	VM70 D-533988	200	2N	20N	50N	20N	100	10N
SL3048C	VM70 D-533989	100	2N	20N	50N	20N	150	10N
SL3049C	VM70 D-533990	1000	2N	20N	50N	50	700	50
SL3050C	VM70 D-533991	1000	2N	20N	50N	20	500	70
SL3051C	VM70 D-533992	500	2N	20N	50N	20L	300	20
SL3052C	VM70 D-533993	7000	2N	20N	50N	20	700	20
SL3053C	VM70 D-533994	100	2N	20N	50N	20	100	10N
SL3054C	VM70 D-533995	2000	2N	20N	50N	20	1000	10N
SL3055C	VM70 D-533996	150	2N	20N	50N	20N	150	10N
SL3056C	VM70 D-533997	ins	ins	ins	ins	ins	ins	ins
SL3057C	VM70 D-533998	70	2N	20N	50N	20N	70	10N
SL3058C	VM70 D-533999	3000	2L	20N	50N	50	70	70
SL3059C	VM70 D-534000	300	2N	20N	50N	30	300	70
SL3060C	VM70 D-534001	150	2N	20L	50N	20N	20L	10N
SL3061C	VM70 D-534002	150	2N	20N	50N	20N	50	10N
SL3064C	VN64 D-536695	100	2	20L	50N	20N	50	10N
SL3065C	VN64 D-536696	100	2N	20N	50N	20L	100	10N
SL3066C	VN64 D-536697	100	2	1000	50N	20L	50	10N
SL3067C	VN64 D-536698	150	2L	20N	50N	20L	150	10N
SL3068C	VN64 D-536699	100	2N	20N	50N	20L	100	10N
SL3069C	VN64 D-536700	200	5	50	50N	20N	70	10N
SL3070C	VN64 D-536701	150	2N	20N	50N	20	700	10L
SL3071C	VN64 D-536702	150	2N	20N	50N	20L	2000	10N
SL3072C	VN64 D-536703	100	2L	20N	50N	20L	1500	10N
SL3073C	no sample	ins	ins	ins	ins	ins	ins	ins
SL3074C	VN64 D-536704	150	2L	20N	50N	20L	2000	10N
SL3075C	VN64 D-536705	150	2N	20N	50N	20	1500	10
SL3076C	VN64 D-536706	100	2N	20N	50N	50	500	10N
SL3077C	VN64 D-536707	150	2N	20N	50N	30	3000	10N
SL3078C	VN64 D-536708	500	2L	20N	50N	20	5000	10N
SL3079C	VN64 D-536709	200	3	2000G	50N	20	100	100
SL3080C	VN64 D-536710	300	2L	20N	50N	20	700	20
SL3081C	VN64 D-536711	300	2	20N	50N	20L	150	70
SL3082C	VN64 D-536712	1500	10	20N	50N	50	7000	10
SL3083C	VN64 D-536713	70	3	20N	50N	30	5000	10L
SL3084C	VN64 D-536714	200	2L	20L	50N	20L	300	10N
SL3085C	VN64 D-536715	ins	ins	ins	ins	ins	ins	ins
SL3086C	VN64 D-536716	150	7	20N	50N	20	200	10N
SL3087C	VN64 D-536717	200	2L	20N	50N	20L	700	10N
SL3088C	VN64 D-536718	500	100	20N	50N	20L	700	10N
SL3089C	VN64 D-536719	100	5	20N	50N	20N	300	10N
SL3090C	VN64 D-536720	10000	2N	20N	50N	20	700	20
SL3091C	VN64 D-536721	10000G	2L	20N	50N	30	200	200
SL3092C	VN64 D-536722	300	2L	20N	50N	20L	500	500
SL3093C	VN64 D-536723	500	2L	20N	50N	50	1500	200
SL3094C	VN64 D-536724	150	2N	20N	50N	20N	70	10N

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Ba-ppm-S	Be-ppm-S	Bi-ppm-S	Cd-ppm-S	Co-ppm-S	Cr-ppm-S	Cu-ppm-S
SL3095C	VN64 D-536725	10000	2N	20N	50N	50	1000	300
SL3096C	VN64 D-536726	2000	2L	20N	50N	20	2000	10N
SL3097C	VN64 D-536727	200	2	700	50N	20N	100	50
SL3098C	VN64 D-536728	150	3	2000	50N	20N	100	10N
SL3099C	VN64 D-536729	150	5	500	50N	20N	200	10N
SL3101C	VM70 D-534003	200	2N	20N	50N	20	3000	10N
SL3102C	VM70 D-534004	700	2N	20N	50N	20N	700	10N
SL3103C	VM70 D-534005	1000	2L	20N	50N	20L	3000	10N
SL3104C	VM70 D-534006	700	2L	20N	50N	20L	5000	10N
SL3105C	VM70 D-534007	500	2N	20N	50N	20L	5000	10N
SL3106C	VM70 D-534008	300	2N	20N	50N	20N	3000	10N
SL3107C	VM70 D-534009	700	2N	20N	50N	20L	5000	10N
SL3108C	VM70 D-534010	500	2N	20N	50N	20L	700	10N
SL3109C	VM70 D-534011	300	2N	20N	50N	20	3000	10N
SL3110C	VM70 D-534012	700	2N	20N	50N	20L	700	10N
SL3111C	VM70 D-534013	1000	2N	20N	50N	20L	5000	10N
SL3112C	VM70 D-534014	500	2L	20N	50N	20N	500	10N
SL3113C	VM70 D-534015	3000	2	20N	50N	30	1500	10N
SL3114C	VM70 D-534016	500	2N	20N	50N	20	2000	10N
SL3115C	VM70 D-534017	150	2N	20N	50N	50	2000	10N
SL3116C	VM70 D-534018	100	7	20N	50N	20N	70	10N
SL3117C	VM70 D-534019	150	2	1000	50N	20L	30	70
SL3118C	VM70 D-534020	150	2L	500	50N	20N	50	50
SL3119C	VM70 D-534021	100	10	20N	50N	20N	70	10N
SL3120C	VM71 D-534022	300	2N	20N	50N	20N	20	20
SL3121C	VM71 D-534023	100	2L	20L	50N	20L	100	10N
SL3122C	VM71 D-534024	70	2N	20N	50N	20N	50	10N
SL3123C	VM71 D-534025	70	2N	20N	50N	20L	20	10L
SL3124C	VM71 D-534026	500	2N	20N	50N	20L	30	10
SL3125C	VM71 D-534027	500	2N	30	50N	20L	50	10N
SL3126C	VM71 D-534028	300	2N	20N	50N	20N	20L	10N
SL3127C	VM71 D-534029	300	2N	20N	50N	20N	300	10N
SL3128C	VM71 D-534030	700	2N	20N	50N	20L	1500	10N
SL3129C	VM71 D-534031	100	2N	20N	50N	20N	1000	10N
SL3130C	VM71 D-534032	10000G	2N	20N	50N	20N	50	15
SL3131C	VM71 D-534033	10000G	2L	20N	50N	20	100	10N
SL3132C	VM71 D-534034	10000G	2N	20N	50N	20L	500	10N
SL3133C	VM71 D-534035	700	2N	20N	50N	20L	300	10N
SL3134C	VM71 D-534036	150	2N	20N	50N	20N	200	10N
SL3135C	VM71 D-534037	10000G	2L	20N	50N	20	300	500
SL3136C	VM71 D-534038	10000G	2N	20N	50N	20L	50	50
SL3137C	VM71 D-534039	2000	2N	20N	50N	20	1000	10N
SL3138C	VM71 D-534040	200	2N	20N	50N	20N	100	10N
SL3139C	VM71 D-534041	300	2N	20N	50N	20	700	10N
SL3140C	VM71 D-534042	10000	2N	20N	50N	20L	1000	10N
SL3141C	VM71 D-534043	200	2N	20N	50N	20N	500	10N

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Ba-ppm-S	Be-ppm-S	Bi-ppm-S	Cd-ppm-S	Co-ppm-S	Cr-ppm-S	Cu-ppm-S
SL3142C	VM71 D-534044	700	2N	20N	50N	20N	50	10N
SL3143C	VM71 D-534045	200	2N	20N	50N	20N	700	10N
SL3144C	VM71 D-534046	300	2N	20N	50N	20	150	10N
SL3145C	VM71 D-534047	200	2N	20N	50N	20L	700	10N
SL3146C	VM71 D-534048	150	2L	20N	50N	20L	50	10N
SL3147C	VM71 D-534049	150	2	20	50N	20N	30	10N
SL3148C	VM71 D-534050	150	2L	20N	50N	20N	50	10N
SL3149C	VN64 D-536730	200	2N	20N	50N	20N	500	10N
SL3150C	VN64 D-536731	200	2L	20N	50N	20N	500	10N
SL3151C	VN64 D-536732	200	2N	20N	50N	20N	1000	10N
SL3152C	VN65 D-536733	100	2N	20N	50N	20	2000	10N
SL3153C	VN65 D-536734	200	2N	20N	50N	20	500	10N
SL3154C	VN65 D-536735	200	2	20N	50N	20N	70	10N
SL3155C	VN65 D-536736	3000	2L	20N	50N	20N	500	10N
SL3156C	VN65 D-536737	150	5	2000G	50N	20L	300	100
SL3157C	VN65 D-536738	150	3	1000	50N	20L	200	50
SL3158C	VN65 D-536739	300	2	20N	50N	30	700	10N
SL3159C	VN65 D-536740	1000	50	20N	50N	20	3000	10N
SL3160C	VN65 D-536741	300	2	20N	50N	20L	1500	100
SL3161C	VN65 D-536742	500	2	20N	50N	20	500	10N
SL3200C	VM71 D-534051	500	2L	20N	50N	20N	200	10N
SL3201C	VM71 D-534052	1000	2N	20N	50N	20N	700	15
SL3202C	VM71 D-534053	700	2L	20N	50N	20L	1000	10N
SL3203C	VM71 D-534054	200	2	20N	50N	20L	700	10N
SL3204C	VM71 D-534055	300	2	20N	50N	20N	1000	10N
SL3205C	VM71 D-534056	500	2N	20N	50N	20	2000	10N
SL3206C	VM71 D-534057	500	2N	20N	50N	20L	500	10N
SL3207C	VM71 D-534058	300	2N	20N	50N	20	3000	10N
SL3208C	VM71 D-534059	100	2N	20N	50N	70	5000	10
SL3209C	VM71 D-534060	300	5	20N	50N	20	200	10N
SL3210C	VM71 D-534061	200	2N	20N	50N	30	3000	10N
SL3211C	VM72 D-534062	700	2N	20N	50N	20L	300	20
SL3212C	VM72 D-534063	100	10	20N	50N	20N	30	10N
SL3213C	VM72 D-534064	150	2L	1500	50N	20L	100	20
SL3214C	VM72 D-534065	150	2N	20N	50N	20N	200	10N
SL3215C	VM72 D-534066	500	2L	20N	50N	20L	100	50
SL3216C	VM72 D-534067	150	2N	100	50N	20N	50	10N
SL3217C	VM72 D-534068	200	2N	20N	50N	20N	50	10
SL3218C	no sample	ins	ins	ins	ins	ins	ins	ins
SL3219C	VM72 D-534069	500	2L	20N	50N	50	1000	200
SL3220C	VM72 D-534070	300	2N	20N	50N	20L	500	30
SL3221C	VM72 D-534071	2000	2N	20N	50N	70	100	70
SL3222C	VM72 D-534072	200	2N	20N	50N	20N	70	10N
SL3223C	VM72 D-534073	10000G	2N	20N	50N	20	100	150
SL3224C	VM72 D-534074	100	2N	20N	50N	50	7000	10N
SL3225C	VM72 D-534075	10000G	2L	20N	50N	20L	100	150

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Ba-ppm-S	Be-ppm-S	Bi-ppm-S	Cd-ppm-S	Co-ppm-S	Cr-ppm-S	Cu-ppm-S
SL3226C	VM72 D-534076	10000G	2	20N	50N	30	100	200
SL3227C	VM72 D-534077	300	2N	20N	50N	20	2000	10N
SL3228C	VM72 D-534078	3000	2N	20N	50N	30	1000	10N
SL3229C	VM72 D-534079	200	2N	20N	50N	20L	300	10N
SL3230C	VM72 D-534080	10000	2L	20N	50N	20N	500	10N
SL3231C	VM72 D-534081	2000	2N	20N	50N	20	2000	10N
SL3232C	VM72 D-534082	10000	2L	20N	50N	150	700	200
SL3233C	VM72 D-534083	10000G	2N	20N	50N	30	700	70
SL3234C	VM72 D-534084	1000	2L	20N	50N	30	1000	300
SL3235C	VM72 D-534085	700	2	20N	50N	20	300	100
SL3236C	VM72 D-534086	500	2N	20N	50N	50	3000	20
SL3237C	VM72 D-534087	150	2N	20N	50N	70	5000	10L
SL3238C	VM72 D-534088	100	2N	20N	50N	20N	200	10N
SL3239C	VM72 D-534089	2000	2	20N	50N	150	200	500
SL3240C	VM72 D-534090	7000	2	20N	50N	150	70	500
SL3241C	VN65 D-536743	200	2L	20N	50N	20N	300	10N
SL3242C	VN65 D-536744	150	2N	20N	50N	20N	50	10N
SL3243C	VN65 D-536745	100	2L	20N	50N	20N	20L	10N
SL3244C	VN65 D-536746	100	2N	20N	50N	20L	100	10N
SL3245C	VN65 D-536747	150	2	20N	50N	20N	20	10N
SL3246C	VN65 D-536748	500	2N	20N	50N	20N	30	10N
SL3247C	VN65 D-536749	200	2L	20N	50N	20N	70	10N
SL3248C	VN65 D-536750	300	3	20N	50N	20N	100	10N
SL3249C	VN65 D-536751	150	2L	1500	50N	20N	50	10N
SL3250C	VN65 D-536752	200	3	20N	50N	20N	50	10N
SL3251C	VN65 D-536753	150	200	50	50N	20N	100	10N
SL3252C	VN65 D-536754	10000	2N	20N	50N	20N	200	10L
SL3253C	VN65 D-536755	10000G	2N	20N	50N	20N	20	10N
SL3254C	VN65 D-536756	3000	2L	20N	50N	50	300	200
SL3255C	VN65 D-536757	1000	2L	20N	50N	20L	300	10N
SL3256C	VN65 D-536758	300	2N	20N	50N	20N	30	10N
SL3257C	VN65 D-536759	500	2N	20N	50N	20N	70	10N
SL3258C	VN65 D-536760	100	7	1000	50N	20N	50	10N
SL3259C	VN65 D-536761	100	7	500	50N	20N	70	10N
SL3260C	VN65 D-536762	50	5	2000G	50N	20N	50	10N
SL3261C	VN65 D-536763	200	5	1500	50N	20N	100	10N
SL3262C	VN65 D-536764	200	2N	2000G	50N	20N	30	10N
SL3263C	VN65 D-536765	500	2N	20N	50N	20L	50	10N
SL3264C	VN65 D-536766	150	3	700	50N	20N	50	10N
SL3265C	VN65 D-536767	100	5	1500	50N	20N	70	10N
SL3266C	VN65 D-536768	500	2N	1000	50N	20N	20	30
SL3267C	VN65 D-536769	200	2L	20N	50N	20N	50	10N
SL3268C	VN65 D-536770	150	2L	500	50N	20L	30	10N
SL3269C	VN65 D-536771	1000	2L	70	50N	20L	200	50
SL3301C	VM72 D-534091	7000	2L	20N	50N	20L	1000	10N
SL3302C	VM72 D-534092	5000	2	20N	50N	20N	700	700

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Ba-ppm-S	Be-ppm-S	Bi-ppm-S	Cd-ppm-S	Co-ppm-S	Cr-ppm-S	Cu-ppm-S
SL3303C	VM72 D-534093	2000	2	20N	50N	20N	700	10N
SL3304C	VM72 D-534094	150	2N	20N	50N	20N	300	10N
SL3305C	VM72 D-534095	100	2N	20N	50N	20N	300	10N
SL3306C	VM72 D-534096	150	2N	20N	50N	20N	1000	10N
SL3307C	VM72 D-534097	150	2N	20N	50N	20N	150	10N
SL3308C	VM72 D-534098	100	2	2000	50N	20N	70	10N
SL3309C	VM72 D-534099	70	2N	20N	50N	20N	70	10N
SL3310C	VM72 D-534100	200	2N	20N	50N	20N	100	10N
SL3311C	VM72 D-534101	100	2	2000	50N	20N	70	10N
SL3312C	VM73 D-534102	50	15	150	50N	20N	70	10N
SL3313C	VM73 D-534103	200	10	2000G	50N	20L	70	500
SL3314C	VM73 D-534104	200	10	700	50N	20L	100	200
SL3315C	VM73 D-534105	50	7	100	50N	20N	50	10N
SL3316C	VM73 D-534106	100	2N	30	50N	20N	20	10N
SL3317C	VM73 D-534107	150	2N	20N	50N	20N	70	10N
SL3318C	VM73 D-534108	200	2N	20N	50N	20N	150	10N
SL3319C	VM73 D-534109	500	2N	20N	50N	20N	300	10N
SL3320C	VM73 D-534110	10000	2N	20N	50N	20L	700	10N
SL3321C	VM73 D-534111	300	2N	20N	50N	20N	150	10N
SL3322C	VM73 D-534112	500	2N	20N	50N	20N	70	10N
SL3323C	VM73 D-534113	10000G	2N	20N	50N	20N	70	10N
SL3324C	VM73 D-534114	10000G	2N	20N	50N	20N	200	10N
SL3325C	VM73 D-534115	3000	2L	20N	50N	20L	700	10N
SL3326C	VM73 D-534116	1000	2L	20N	50N	20N	300	10N
SL3327C	VM73 D-534117	5000	2N	20N	50N	20N	1000	10N
SL3328C	VM73 D-534118	100	2N	20N	50N	20N	70	10N
SL3329C	VM73 D-534119	500	2N	20N	50N	20N	20	10N
SL3330C	VM73 D-534120	150	2N	20N	50N	20N	70	10N
SL3331C	VM73 D-534121	7000	2L	20N	50N	20L	200	10N
SL3332C	VM73 D-534122	10000G	2N	20N	50N	50	200	200
SL3333C	VM73 D-534123	10000G	2N	20N	50N	20	50	100
SL3334C	VM73 D-534124	2000	2N	20N	50N	20	2000	10N
SL3335C	VM73 D-534125	200	2N	20N	50N	20L	2000	10N
SL3336C	VM73 D-534126	70	2N	20N	50N	20N	20	10N
SL3337C	VM73 D-534127	70	2N	20N	50N	20N	50	10N
SL3338C	VM73 D-534128	500	2N	20N	50N	20N	70	10N
SL3339C	VM73 D-534129	200	2N	20N	50N	20N	20	10N
SL3340C	VM73 D-534130	ins	ins	ins	ins	ins	ins	ins
SL3341C	VM73 D-534131	100	2N	20N	50N	20L	700	10N
SL3342C	VM73 D-534132	150	2N	20	50N	20N	30	10N
SL3343C	VM73 D-534133	100	3	20L	50N	20N	20	10N
SL3344C	VM73 D-534134	100	2N	20N	50N	20L	2000	10N
SL3345C	VM73 D-534135	200	2	50	50N	20L	1000	10N
SL3346C	VN65 D-536772	200	2N	20N	50N	20L	150	10N
SL3347C	VN66 D-536773	100	2N	20N	50N	20N	700	10N
SL3348C	no sample	ins	ins	ins	ins	ins	ins	ins

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Ba-ppm-S	Be-ppm-S	Bi-ppm-S	Cd-ppm-S	Co-ppm-S	Cr-ppm-S	Cu-ppm-S
SL3349C	VN66 D-536774	50	2N	20N	50N	20N	200	10N
SL3350C	VN66 D-536775	100	2N	20N	50N	20	1000	10L
SL3351C	VN66 D-536776	200	2L	20N	50N	20L	500	10N
SL3352C	VN66 D-536777	2000	2	20N	50N	20L	500	50
SL3353C	VN66 D-536778	150	3	700	50N	50	100	30
SL3354C	VN66 D-536779	200	2L	20N	50N	20L	100	10L
SL3355C	VN66 D-536780	200	3	200	50N	20	150	20
SL3356C	VN66 D-536781	70	5	20N	50N	50	5000	10
SL3357C	VN66 D-536782	100	20	20N	50N	30	1000	10N
SL3358C	VN66 D-536783	500	2N	20N	50N	20L	500	10N
SL3359C	VN66 D-536784	150	2N	150	50N	20N	70	10
SL3360C	VN66 D-536785	150	2N	30	50N	20L	70	10N
SL3361C	VN66 D-536786	200	2N	20N	50N	20N	100	10N
SL3362C	VN66 D-536787	200	2	2000G	50N	20L	70	30
SL3363C	VN66 D-536788	100	3	150	50N	20L	50	10N
SL3364C	VN66 D-536789	150	2N	70	50N	20N	20	10N
SL3365C	VN66 D-536790	150	2N	20N	50N	20N	70	10L
SL3366C	VN66 D-536791	200	2L	500	50N	20	700	10N
SL3367C	VN66 D-536792	100	3	500	50N	20L	100	10N
SL4501C	WB38 D-569043	1000	2	20N	50N	20L	150	10N
SL4502C	WB38 D-569044	300	2L	20N	50N	20L	100	500
SL4503C	WB38 D-569045	500	2L	20N	50N	20N	100	10N
SL4504C	WB38 D-569046	1000	2L	20N	50N	20N	100	150
SL4505C	WB38 D-569047	200	2L	20N	50N	20L	70	100
SL4506C	WB38 D-569048	300	2L	20N	50N	20	100	70
SL4507C	WB38 D-569049	50	2N	20N	50N	20N	50	100
SL4508C	WB38 D-569050	100	2N	100	50N	20N	50	10N
SL4509C	WB38 D-569051	50	2N	300	50N	20N	30	100
SL4510C	WB38 D-569052	150	2N	20N	50N	20N	50	10N
SL4511C	WB38 D-569053	150	2N	2000	50N	20N	70	10N
SL4512C	WB38 D-569054	200	2N	2000G	50N	20N	30	10N
SL4513C	WB38 D-569055	10000	2N	70	50N	300	20L	1000
SL4514C	WB38 D-569056	3000	2N	20N	50N	300	20L	1000
SL4515C	WB38 D-569057	ins	ins	ins	ins	ins	ins	ins
SL4516C	WB38 D-569058	200	2N	20N	50N	20N	100	10N
SL4517C	WB38 D-569059	300	2N	20N	50N	20N	300	10N
SL4518C	WB38 D-569060	100	2N	20N	50N	20N	30	10N
SL4519C	WB38 D-569061	ins	ins	ins	ins	ins	ins	ins
SL4520C	WB38 D-569062	700	2L	20N	50N	20L	500	10N
SL4521C	WB38 D-569063	500	2N	20N	50N	20L	100	10N
SL4522C	WB38 D-569064	700	2L	20N	50N	20	100	1000
SL4523C	WB38 D-569065	200	2L	20N	50N	20L	50	70
SL4524C	WB38 D-569066	2000	2N	20N	50N	50	150	200
SL4525C	WB38 D-569067	300	2N	20N	50N	20L	1500	10N
SL4526C	WB38 D-569068	5000	2N	20N	50N	20N	700	150
SL4527C	WB38 D-569069	7000	2N	20N	50N	30	1500	200

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Ba-ppm-S	Be-ppm-S	Bi-ppm-S	Cd-ppm-S	Co-ppm-S	Cr-ppm-S	Cu-ppm-S
SL4528C	WB38 D-569070	10000	2N	20N	50N	100	30	100
SL4529C	WB38 D-569071	1000	2L	20N	50N	50	70	200
SL4530C	WB38 D-569072	700	2L	20N	50N	70	200	500
SL4531C	WB39 D-569073	700	2N	20N	50N	20L	100	10N
SL4532C	WB39 D-569074	1000	2L	20N	50N	20	300	150
SL4533C	WB39 D-569075	500	2N	20N	50N	20L	1000	150
SL4534C	WB39 D-569076	1500	2N	20N	50N	20	300	100
SL4535C	WB39 D-569077	10000G	2N	20N	50N	20N	100	100
SL4536C	WB39 D-569078	300	2N	20N	50N	20N	20	100
SL4537C	WB39 D-569079	100	2N	20N	50N	20L	200	100
SL4538C	WB39 D-569080	200	2N	20N	50N	20	1500	100
SL4539C	WB39 D-569081	70	2N	20N	50N	20L	70	50
SL4540C	WB39 D-569082	50	2N	1500	50N	20N	20	10L
SL4541C	WB39 D-569083	1000	2N	20N	50N	100	30	700
SL4542C	WB39 D-569084	150	2L	20N	50N	20N	150	10N
SL4543C	WB39 D-569085	200	2L	20N	50N	20N	150	200
SL4544C	WB39 D-569086	1000	2N	20N	50N	20L	200	10N
SL4545C	WB39 D-569087	200	2L	20N	50N	20N	150	10N
SL4546C	WB39 D-569088	70	3	1500	50N	20N	70	10N
SL4547C	WB39 D-569089	100	3	20N	50N	20L	100	100
SL4548C	WB39 D-569090	150	5	1000	50N	20N	100	200
SL4549C	WB39 D-569091	150	2N	20N	50N	20N	300	10N
SL4550C	WB39 D-569092	200	2N	500	50N	20N	30	200
SL4551C	WB39 D-569093	150	2N	1000	50N	20N	30	10N
SL4552C	WB39 D-569094	100	2N	700	50N	20N	20L	10N
SL4553C	WB39 D-569095	200	2N	20N	50N	20N	70	20
SL4554C	WB39 D-569096	100	2N	20N	50N	20N	200	70
SL4555C	WB39 D-569097	500	2N	20N	50N	20N	500	10N
SL4556C	WB39 D-569098	300	2N	100	50N	20N	50	10N
SL4557C	WB39 D-569099	200	2N	20N	50N	20N	150	10N
SL4558C	WB39 D-569100	100	2N	20N	50N	20N	100	10N
SL4559C	WB39 D-569101	100	2N	20N	50N	20N	700	10N
SL4560C	WB39 D-569102	100	2N	20N	50N	20N	100	10N
SL4561C	WB39 D-569103	150	2N	20N	50N	20N	50	10N

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Ga-ppm-S	Ge-ppm-S	La-ppm-S	Mn-ppm-S	Mo-ppm-S	Nb-ppm-S	Ni-ppm-S
SL3001C	VM69 D-533942	10N	2N	300	1000	10N	50N	70
SL3002C	VM69 D-533943	10N	2N	1000	500	10N	50N	10
SL3003C	VM69 D-533944	10N	2N	700	200	10N	50	70
SL3004C	VM69 D-533945	10N	2N	1500	300	10N	50N	10L
SL3005C	VM69 D-533946	10N	2N	1000	300	10N	50N	10L
SL3006C	VM69 D-533947	10N	2N	700	200	10N	50L	15
SL3007C	VM69 D-533948	10N	2N	100L	200	10N	100	10
SL3008C	VM69 D-533949	10N	2N	2000	70	10N	50N	15
SL3009C	VM69 D-533950	10	2N	700	500	10N	50L	15
SL3010C	VM69 D-533951	10N	2N	1500	50	10N	50L	100
SL3011C	VM69 D-533952	10N	2N	150	100	10N	50N	20
SL3012C	VM69 D-533953	10N	2N	500	100	10N	50L	15
SL3013C	VM69 D-533954	10N	2N	200	100	10N	50N	15
SL3014C	VM69 D-533955	10N	2N	100	70	10N	50N	10L
SL3015C	VM69 D-533956	10N	2N	300	150	10N	70	15
SL3016C	VM69 D-533957	10N	2N	300	100	10N	50N	10L
SL3017C	VM69 D-533958	10N	2N	500	150	10N	50N	15
SL3018C	VM69 D-533959	10L	2N	500	700	10N	50N	20
SL3019C	VM69 D-533960	ins	ins	ins	ins	ins	ins	ins
SL3020C	VM69 D-533961	10N	2N	150	150	10N	50N	10L
SL3021C	VM69 D-533962	10N	2N	300	300	10N	50L	10L
SL3022C	VM69 D-533963	10N	2N	300	200	10N	50L	10
SL3023C	VM69 D-533964	20	2N	100N	2000	10N	50N	15
SL3024C	VM69 D-533965	10	2N	100N	2000	10N	50L	10
SL3025C	VM69 D-533966	10N	2N	200	700	10N	100	10L
SL3026C	VM69 D-533967	10N	2N	500	500	10N	50N	15
SL3027C	VM69 D-533968	10N	2N	150	200	10N	70	10N
SL3028C	VM69 D-533969	10N	2N	150	300	10N	50	10N
SL3029C	VM69 D-533970	10N	2N	150	150	10N	50L	10N
SL3030C	VM69 D-533971	10N	2N	100	200	10N	70	10N
SL3031C	VM69 D-533972	10N	2N	100N	150	10N	200	10N
SL3032C	VM69 D-533973	10L	2N	100N	500	10N	150	20
SL3033C	VM69 D-533974	15	2N	100N	5000	10N	50L	20
SL3034C	VM69 D-533975	50	2N	100N	1500	10N	50N	10L
SL3035C	VM69 D-533976	10L	2N	100N	1000	10N	50L	30
SL3036C	VM69 D-533977	10	2N	100N	500	10N	50N	50
SL3037C	VM69 D-533978	10N	2N	500	300	10N	50N	10
SL3038C	VM69 D-533979	20	2N	100L	700	10L	50N	50
SL3039C	VM69 D-533980	10L	2N	150	1000	10N	50N	30
SL3040C	VM69 D-533981	10N	2N	100L	300	10N	50L	100
SL3041C	VM70 D-533982	10L	2N	150	1000	10N	50N	100
SL3042C	VM70 D-533983	10N	2N	200	300	10N	50N	70
SL3043C	VM70 D-533984	10N	2N	100N	500	10N	50N	100
SL3044C	VM70 D-533985	10N	2N	100L	700	10N	50N	70
SL3045C	VM70 D-533986	10L	2N	150	1000	10N	50N	15
SL3046C	VM70 D-533987	10	2N	100L	1000	10N	50N	20

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Ga-ppm-S	Ge-ppm-S	La-ppm-S	Mn-ppm-S	Mo-ppm-S	Nb-ppm-S	Ni-ppm-S
SL3047C	VM70 D-533988	10N	2N	100	200	10N	50L	10
SL3048C	VM70 D-533989	10N	2N	100N	700	10N	50N	30
SL3049C	VM70 D-533990	10L	2N	100L	1000	10N	50N	70
SL3050C	VM70 D-533991	10L	2N	150	2000	10N	50N	50
SL3051C	VM70 D-533992	10L	2N	100	500	10N	50N	50
SL3052C	VM70 D-533993	10N	2N	100N	1500	10N	50N	50
SL3053C	VM70 D-533994	10N	2N	100N	2000	10N	50N	10
SL3054C	VM70 D-533995	10	2N	100	1500	10N	50N	50
SL3055C	VM70 D-533996	15	2N	150	2000	10N	50N	15
SL3056C	VM70 D-533997	ins	ins	ins	ins	ins	ins	ins
SL3057C	VM70 D-533998	10L	2N	100N	500	10N	50	15
SL3058C	VM70 D-533999	10	2N	100	2000	10L	50N	70
SL3059C	VM70 D-534000	10L	2N	300	1500	10N	50N	70
SL3060C	VM70 D-534001	10L	2N	100N	2000	10N	50N	10
SL3061C	VM70 D-534002	15	2N	100	1500	10N	150	15
SL3064C	VN64 D-536695	10L	2N	100L	700	10N	70	10L
SL3065C	VN64 D-536696	10	2N	200	1000	10N	50	15
SL3066C	VN64 D-536697	15	2N	100L	700	10L	50L	20
SL3067C	VN64 D-536698	15	2N	100L	1500	10N	50N	20
SL3068C	VN64 D-536699	10	2N	100L	700	10N	50N	10
SL3069C	VN64 D-536700	10N	2N	100	700	10N	50	10N
SL3070C	VN64 D-536701	30	2N	100L	1000	10N	50L	30
SL3071C	VN64 D-536702	15	2N	150	500	10N	50N	15
SL3072C	VN64 D-536703	10	2N	100	700	10N	50	30
SL3073C	no sample	ins	ins	ins	ins	ins	ins	ins
SL3074C	VN64 D-536704	10N	2N	100L	1000	10N	50L	50
SL3075C	VN64 D-536705	10	2N	500	500	30	50N	70
SL3076C	VN64 D-536706	10L	2N	100N	2000	10N	50N	15
SL3077C	VN64 D-536707	10N	2N	100L	700	10N	50	50
SL3078C	VN64 D-536708	10L	2N	300	700	10N	50L	30
SL3079C	VN64 D-536709	30	2N	100	300	10N	50	50
SL3080C	VN64 D-536710	20	2N	100N	1000	10N	50N	70
SL3081C	VN64 D-536711	15	2N	100L	700	10N	50L	50
SL3082C	VN64 D-536712	10N	2N	100N	2000	10N	50N	150
SL3083C	VN64 D-536713	10N	2N	100N	1500	10N	50N	100
SL3084C	VN64 D-536714	10	2N	150	1000	10N	50L	50
SL3085C	VN64 D-536715	ins	ins	ins	ins	ins	ins	ins
SL3086C	VN64 D-536716	30	2N	300	700	10N	70	70
SL3087C	VN64 D-536717	10	2N	100	1000	10N	50L	20
SL3088C	VN64 D-536718	10L	2N	700	700	10N	50N	30
SL3089C	VN64 D-536719	10N	2N	1000	200	10N	50N	10L
SL3090C	VN64 D-536720	10L	2N	200	700	10N	50N	70
SL3091C	VN64 D-536721	10L	2N	500	500	10N	50N	100
SL3092C	VN64 D-536722	10N	2N	300	300	10N	50L	30
SL3093C	VN64 D-536723	10N	2N	500	500	10N	50L	70
SL3094C	VN64 D-536724	15	2N	100N	2000	10N	50N	10L

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Ga-ppm-S	Ge-ppm-S	La-ppm-S	Mn-ppm-S	Mo-ppm-S	Nb-ppm-S	Ni-ppm-S
SL3095C	VN64 D-536725	10L	2N	200	700	10L	50L	100
SL3096C	VN64 D-536726	10N	2N	700	300	10N	50N	30
SL3097C	VN64 D-536727	10	2N	100N	500	10N	50	30
SL3098C	VN64 D-536728	10L	2N	150	700	10N	70	20
SL3099C	VN64 D-536729	10L	2N	100L	300	10N	100	50
SL3101C	VM70 D-534003	10L	2N	200	1000	10N	50N	70
SL3102C	VM70 D-534004	10N	2N	1500	100	10N	50L	20
SL3103C	VM70 D-534005	10L	2N	700	700	10N	50N	70
SL3104C	VM70 D-534006	10L	2N	1500	700	10N	50L	30
SL3105C	VM70 D-534007	10N	2N	700	500	10N	50	70
SL3106C	VM70 D-534008	10N	2N	300	500	10N	50L	20
SL3107C	VM70 D-534009	10N	2N	1000	200	10N	70	50
SL3108C	VM70 D-534010	30	2N	200	300	10N	50N	30
SL3109C	VM70 D-534011	10N	2N	200	500	10N	50L	30
SL3110C	VM70 D-534012	10	2N	300	500	10N	50N	20
SL3111C	VM70 D-534013	10L	2N	1000	300	10N	50N	30
SL3112C	VM70 D-534014	10N	2N	1500	300	10N	50N	15
SL3113C	VM70 D-534015	15	2N	500	1000	10N	50N	50
SL3114C	VM70 D-534016	10N	2N	100	700	10N	50N	200
SL3115C	VM70 D-534017	10L	2N	100	1500	10N	50N	150
SL3116C	VM70 D-534018	10	2N	700	700	10N	200	10L
SL3117C	VM70 D-534019	50	2N	100L	2000	10N	50L	30
SL3118C	VM70 D-534020	70	2N	100N	1500	10N	50N	30
SL3119C	VM70 D-534021	10L	2N	500	700	10N	200	10L
SL3120C	VM71 D-534022	10	2N	100N	5000	10N	50N	15
SL3121C	VM71 D-534023	10L	2N	100	1000	10N	100	20
SL3122C	VM71 D-534024	50	2N	100L	5000	10N	50L	15
SL3123C	VM71 D-534025	30	2N	100N	2000	10N	50N	10
SL3124C	VM71 D-534026	30	2N	100N	2000	10N	50N	15
SL3125C	VM71 D-534027	10L	2N	150	500	10L	70	20
SL3126C	VM71 D-534028	10N	2N	150	300	10N	50N	10L
SL3127C	VM71 D-534029	10L	2N	300	500	10L	50	10
SL3128C	VM71 D-534030	10L	2N	200	500	10L	50	30
SL3129C	VM71 D-534031	10L	2N	150	500	10N	50L	30
SL3130C	VM71 D-534032	10N	2N	100N	700	10N	50N	15
SL3131C	VM71 D-534033	10L	2N	300	700	10N	50N	30
SL3132C	VM71 D-534034	10	2N	100	500	10L	50N	30
SL3133C	VM71 D-534035	10N	2N	200	300	10N	50L	10
SL3134C	VM71 D-534036	20	2N	100	300	10N	50L	10
SL3135C	VM71 D-534037	10	2N	100L	700	10N	50L	20
SL3136C	VM71 D-534038	10N	2N	100L	500	10N	50N	30
SL3137C	VM71 D-534039	10N	2N	100N	500	10N	50N	70
SL3138C	VM71 D-534040	10	2N	100N	2000	10N	50N	10
SL3139C	VM71 D-534041	10L	2N	300	1000	10N	50N	50
SL3140C	VM71 D-534042	10N	2N	100N	700	10N	50L	30
SL3141C	VM71 D-534043	10N	2N	700	700	10N	50N	10L

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Ga-ppm-S	Ge-ppm-S	La-ppm-S	Mn-ppm-S	Mo-ppm-S	Nb-ppm-S	Ni-ppm-S
SL3142C	VM71 D-534044	10	2N	100N	2000	10N	50N	10L
SL3143C	VM71 D-534045	10L	2N	100N	1000	10N	50L	50
SL3144C	VM71 D-534046	10	2N	100N	1000	10N	50N	20
SL3145C	VM71 D-534047	10N	2N	100N	500	10N	50L	20
SL3146C	VM71 D-534048	10L	2N	100N	1500	10N	100	15
SL3147C	VM71 D-534049	10	2N	100N	500	10N	500	10
SL3148C	VM71 D-534050	30	2N	100N	1000	10N	150	10
SL3149C	VN64 D-536730	10N	2N	700	150	10N	50	20
SL3150C	VN64 D-536731	10L	2N	100	700	10N	50L	15
SL3151C	VN64 D-536732	10L	2N	200	500	10N	50	20
SL3152C	VN65 D-536733	10N	2N	150	700	10N	50N	100
SL3153C	VN65 D-536734	10L	2N	100	2000	10N	50L	20
SL3154C	VN65 D-536735	10N	2N	200	150	10N	50L	10L
SL3155C	VN65 D-536736	10L	2N	1000	300	10N	50N	10
SL3156C	VN65 D-536737	15	2N	100	1000	10N	70	30
SL3157C	VN65 D-536738	10	2N	150	700	10N	70	20
SL3158C	VN65 D-536739	20	2N	100L	1500	10N	50L	50
SL3159C	VN65 D-536740	10L	2N	150	3000	10N	50N	70
SL3160C	VN65 D-536741	10N	2N	100	500	10N	50	30
SL3161C	VN65 D-536742	30	2N	300	2000	10N	70	50
SL3200C	VM71 D-534051	10L	2N	200	200	10N	50N	10
SL3201C	VM71 D-534052	15	2N	100	700	10N	50L	15
SL3202C	VM71 D-534053	10L	2N	500	300	10N	50L	30
SL3203C	VM71 D-534054	10L	2N	150	200	10N	50	20
SL3204C	VM71 D-534055	10N	2N	700	200	10N	100	20
SL3205C	VM71 D-534056	10L	2N	500	500	10N	70	30
SL3206C	VM71 D-534057	15	2N	100N	500	10N	50N	50
SL3207C	VM71 D-534058	10L	2N	150	700	10N	50L	50
SL3208C	VM71 D-534059	10N	2N	100	1000	10N	50N	500
SL3209C	VM71 D-534060	30	2N	100N	2000	10N	50L	20
SL3210C	VM71 D-534061	20	2N	100L	1500	10N	50N	150
SL3211C	VM72 D-534062	100	2N	100L	2000	10N	50N	50
SL3212C	VM72 D-534063	70	2N	150	700	10N	70	10L
SL3213C	VM72 D-534064	30	2N	300	1000	10N	50L	30
SL3214C	VM72 D-534065	70	2N	100N	3000	10N	50N	15
SL3215C	VM72 D-534066	50	2N	100N	3000	10L	50L	50
SL3216C	VM72 D-534067	30	2N	100N	1500	10N	100	10L
SL3217C	VM72 D-534068	50	2N	100N	5000	10N	50N	15
SL3218C	no sample	ins	ins	ins	ins	ins	ins	ins
SL3219C	VM72 D-534069	10	2N	100N	1500	10N	50N	100
SL3220C	VM72 D-534070	20	2N	200	1000	10N	50N	20
SL3221C	VM72 D-534071	15	2N	100L	1500	10N	50N	150
SL3222C	VM72 D-534072	10	2N	150	700	10N	50L	10L
SL3223C	VM72 D-534073	10L	2N	100	1000	10	50	100
SL3224C	VM72 D-534074	10L	2N	100N	1000	10N	50N	200
SL3225C	VM72 D-534075	10N	2N	150	1000	10N	50N	30

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Ga-ppm-S	Ge-ppm-S	La-ppm-S	Mn-ppm-S	Mo-ppm-S	Nb-ppm-S	Ni-ppm-S
SL3226C	VM72 D-534076	10L	2N	300	500	20	50L	70
SL3227C	VM72 D-534077	10	2N	100L	700	10N	50L	50
SL3228C	VM72 D-534078	10L	2N	100N	700	10N	50N	70
SL3229C	VM72 D-534079	10L	2N	100L	1000	10N	50N	15
SL3230C	VM72 D-534080	15	2N	200	300	10N	50	10
SL3231C	VM72 D-534081	10L	2N	100L	500	10N	50	70
SL3232C	VM72 D-534082	10L	2N	100	2000	300	50N	150
SL3233C	VM72 D-534083	10N	2N	100N	1500	10N	50N	50
SL3234C	VM72 D-534084	10	2N	100	2000	10N	50N	70
SL3235C	VM72 D-534085	10	2N	150	2000	10L	50L	30
SL3236C	VM72 D-534086	10L	2N	100N	1500	10N	50N	300
SL3237C	VM72 D-534087	10N	2N	100L	1000	10N	50N	150
SL3238C	VM72 D-534088	30	2N	100L	1500	10N	50	20
SL3239C	VM72 D-534089	50	2N	100	5000	10	50N	150
SL3240C	VM72 D-534090	10L	2N	100	2000	20	50N	100
SL3241C	VN65 D-536743	10	2N	150	700	10N	50L	10
SL3242C	VN65 D-536744	10	2N	100N	2000	10N	50	10L
SL3243C	VN65 D-536745	10N	2N	100	2000	10N	70	10L
SL3244C	VN65 D-536746	15	2N	100L	3000	10N	50	30
SL3245C	VN65 D-536747	10N	2N	100N	500	10N	50	10L
SL3246C	VN65 D-536748	10L	2N	100N	300	10N	50L	20
SL3247C	VN65 D-536749	10N	2N	100N	300	10N	100	10L
SL3248C	VN65 D-536750	15	2N	100N	500	10N	100	15
SL3249C	VN65 D-536751	10N	2N	100N	150	10N	70	15
SL3250C	VN65 D-536752	10	2N	100	300	10N	70	20
SL3251C	VN65 D-536753	10N	2N	700	500	10N	50L	10L
SL3252C	VN65 D-536754	10N	2N	200	700	10N	50N	15
SL3253C	VN65 D-536755	10N	2N	500	700	10N	50N	10L
SL3254C	VN65 D-536756	10L	2N	1000	500	10N	50N	70
SL3255C	VN65 D-536757	10N	2N	1500	500	10N	50N	20
SL3256C	VN65 D-536758	10L	2N	100N	2000	10N	50N	10L
SL3257C	VN65 D-536759	10L	2N	100	2000	10N	50N	10L
SL3258C	VN65 D-536760	10L	2N	150	700	10N	150	10N
SL3259C	VN65 D-536761	10N	2N	100	2000	10N	50	10N
SL3260C	VN65 D-536762	10N	2N	100L	100	10N	500	10N
SL3261C	VN65 D-536763	10	2N	150	300	10N	100	10
SL3262C	VN65 D-536764	10N	2N	100N	3000	10N	150	10
SL3263C	VN65 D-536765	15	2N	100N	700	10N	50N	20
SL3264C	VN65 D-536766	10L	2N	100L	700	10N	200	10
SL3265C	VN65 D-536767	10N	2N	100	500	10N	200	10L
SL3266C	VN65 D-536768	30	2N	100N	3000	10N	50N	15
SL3267C	VN65 D-536769	20	2N	100L	1000	10N	50	20
SL3268C	VN65 D-536770	15	2N	100L	1000	10N	100	20
SL3269C	VN65 D-536771	30	2N	100L	2000	10N	50L	30
SL3301C	VM72 D-534091	10N	2N	1000	500	10N	50	30
SL3302C	VM72 D-534092	10N	2N	200	50	10N	70	15

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Ga-ppm-S	Ge-ppm-S	La-ppm-S	Mn-ppm-S	Mo-ppm-S	Nb-ppm-S	Ni-ppm-S
SL3303C	VM72 D-534093	10N	2N	1000	70	10N	70	10
SL3304C	VM72 D-534094	10L	2N	150	300	10N	50N	10L
SL3305C	VM72 D-534095	10L	2N	500	1000	10N	50N	10L
SL3306C	VM72 D-534096	10	2N	300	500	10N	50N	15
SL3307C	VM72 D-534097	10L	2N	100N	1500	10N	50L	10
SL3308C	VM72 D-534098	10L	2N	100L	1500	10N	100	10L
SL3309C	VM72 D-534099	30	2N	100N	3000	10N	50N	10
SL3310C	VM72 D-534100	50	2N	100L	1000	10N	50N	10
SL3311C	VM72 D-534101	10	2N	100L	1000	10N	50L	20
SL3312C	VM73 D-534102	10N	2N	100N	200	10N	300	10N
SL3313C	VM73 D-534103	10	2N	100	700	10N	70	20
SL3314C	VM73 D-534104	10L	2N	150	300	10N	300	10
SL3315C	VM73 D-534105	10N	2N	100L	200	10N	300	10N
SL3316C	VM73 D-534106	10L	2N	100N	1500	10N	100	10L
SL3317C	VM73 D-534107	15	2N	100L	2000	10N	50N	10L
SL3318C	VM73 D-534108	10	2N	100L	1500	10N	50N	10L
SL3319C	VM73 D-534109	10N	2N	100N	200	10N	50N	10L
SL3320C	VM73 D-534110	10L	2N	150	1000	10N	50N	20
SL3321C	VM73 D-534111	10N	2N	200	1000	10N	50N	10L
SL3322C	VM73 D-534112	10N	2N	500	500	10N	50N	10L
SL3323C	VM73 D-534113	10L	2N	150	300	10N	50L	10N
SL3324C	VM73 D-534114	10L	2N	100L	700	10N	50N	10L
SL3325C	VM73 D-534115	10N	2N	1000	200	10N	50L	15
SL3326C	VM73 D-534116	10N	2N	1000	300	10N	50N	10L
SL3327C	VM73 D-534117	10L	2N	150	500	10N	50	20
SL3328C	VM73 D-534118	10	2N	100L	300	10N	50N	10L
SL3329C	VM73 D-534119	10	2N	150	300	10N	50N	10N
SL3330C	VM73 D-534120	10	2N	100	500	10N	50N	10L
SL3331C	VM73 D-534121	10L	2N	100L	500	200	50L	10L
SL3332C	VM73 D-534122	15	2N	100	10000	10N	50L	50
SL3333C	VM73 D-534123	10L	2N	100L	1000	10N	50N	30
SL3334C	VM73 D-534124	10	2N	300	1500	10N	50N	70
SL3335C	VM73 D-534125	10L	2N	100N	700	10N	50N	20
SL3336C	VM73 D-534126	10N	2N	2000G	2000	10N	700	10N
SL3337C	VM73 D-534127	10N	2N	2000G	2000	10N	700	10N
SL3338C	VM73 D-534128	10L	2N	100L	1000	10N	50L	10L
SL3339C	VM73 D-534129	30	2N	100N	3000	10N	50N	10
SL3340C	VM73 D-534130	ins	ins	ins	ins	ins	ins	ins
SL3341C	VM73 D-534131	10N	2N	150	700	10N	50N	15
SL3342C	VM73 D-534132	30	2N	100N	7000	10N	50N	10
SL3343C	VM73 D-534133	20	2N	100N	1000	10N	200	15
SL3344C	VM73 D-534134	10L	2N	1000	1000	10N	50	20
SL3345C	VM73 D-534135	70	2N	700	2000	10N	50L	20
SL3346C	VN65 D-536772	10	2N	100	1000	10N	150	20
SL3347C	VN66 D-536773	10L	2N	150	500	10N	50N	15
SL3348C	no sample	ins	ins	ins	ins	ins	ins	ins

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Ga-ppm-S	Ge-ppm-S	La-ppm-S	Mn-ppm-S	Mo-ppm-S	Nb-ppm-S	Ni-ppm-S
SL3349C	VN66 D-536774	10N	2N	300	200	10N	50N	10N
SL3350C	VN66 D-536775	20	2N	300	700	30	50N	30
SL3351C	VN66 D-536776	15	2N	200	500	10N	50	10N
SL3352C	VN66 D-536777	10	2N	1000	100	10N	50	10N
SL3353C	VN66 D-536778	50	2N	100	500	10N	50L	30
SL3354C	VN66 D-536779	30	2N	100L	1000	10N	50	10N
SL3355C	VN66 D-536780	30	2N	100L	700	10N	50	15
SL3356C	VN66 D-536781	10L	2N	100N	1500	10N	50N	100
SL3357C	VN66 D-536782	10N	2N	100L	2000	10N	50N	10L
SL3358C	VN66 D-536783	50	2N	100N	1500	10N	50N	10
SL3359C	VN66 D-536784	50	2N	100N	1500	10N	50L	10L
SL3360C	VN66 D-536785	30	2N	100N	1000	10N	70	10N
SL3361C	VN66 D-536786	10L	2N	100N	700	10N	50L	10N
SL3362C	VN66 D-536787	50	2N	100N	1000	10N	50	10L
SL3363C	VN66 D-536788	20	2N	100L	700	10N	100	10N
SL3364C	VN66 D-536789	20	2N	100N	2000	10N	50N	10N
SL3365C	VN66 D-536790	50	2N	100N	1500	10N	50N	10L
SL3366C	VN66 D-536791	10	2N	100L	1500	10N	50L	10N
SL3367C	VN66 D-536792	10L	2N	100	100	10N	50	10N
SL4501C	WB38 D-569043	10	2N	1500	500	10N	50N	15
SL4502C	WB38 D-569044	10L	2N	500	150	10N	50N	10
SL4503C	WB38 D-569045	10	2N	1000	100	10N	50N	10L
SL4504C	WB38 D-569046	10N	2N	700	100	10N	50N	10L
SL4505C	WB38 D-569047	30	2N	300	500	10N	50N	15
SL4506C	WB38 D-569048	20	2N	300	300	10N	50N	10
SL4507C	WB38 D-569049	30	2N	100L	2000	10N	50N	10N
SL4508C	WB38 D-569050	10	2N	100N	700	10N	50L	10N
SL4509C	WB38 D-569051	15	2N	100N	2000	10N	50N	10N
SL4510C	WB38 D-569052	10	2N	100	200	10N	50L	700
SL4511C	WB38 D-569053	20	2N	100N	700	10N	50N	10L
SL4512C	WB38 D-569054	20	2N	100N	1000	10N	50	10L
SL4513C	WB38 D-569055	10N	2N	150	300	10L	50N	500
SL4514C	WB38 D-569056	10N	2N	500	200	10L	50N	500
SL4515C	WB38 D-569057	ins	ins	ins	ins	ins	ins	ins
SL4516C	WB38 D-569058	10N	2N	100L	150	10N	50L	20
SL4517C	WB38 D-569059	20	2N	500	200	10N	50N	10L
SL4518C	WB38 D-569060	10L	2N	200	150	10N	50N	10N
SL4519C	WB38 D-569061	ins	ins	ins	ins	ins	ins	ins
SL4520C	WB38 D-569062	15	2N	2000G	200	10N	50L	20
SL4521C	WB38 D-569063	15	2N	2000G	200	10N	50N	30
SL4522C	WB38 D-569064	10	2N	2000G	500	10N	50L	50
SL4523C	WB38 D-569065	20	2N	150	300	10N	50N	20
SL4524C	WB38 D-569066	10N	2N	700	100	10N	50N	100
SL4525C	WB38 D-569067	10L	2N	150	150	10N	50N	50
SL4526C	WB38 D-569068	10	2N	700	100	10N	50N	10
SL4527C	WB38 D-569069	10N	2N	2000	200	10N	50L	100

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Ga-ppm-S	Ge-ppm-S	La-ppm-S	Mn-ppm-S	Mo-ppm-S	Nb-ppm-S	Ni-ppm-S
SL4528C	WB38 D-569070	10N	2N	1000	150	10N	50N	300
SL4529C	WB38 D-569071	10N	2N	100	1000	10N	50N	100
SL4530C	WB38 D-569072	30	2N	1000	1000	10N	50L	150
SL4531C	WB39 D-569073	10L	2N	200	100	10N	50N	15
SL4532C	WB39 D-569074	10L	2N	1500	150	10N	50N	20
SL4533C	WB39 D-569075	10L	2N	300	100	10N	50L	20
SL4534C	WB39 D-569076	10	2N	300	200	10N	50L	30
SL4535C	WB39 D-569077	10N	2N	100	70	10N	50N	10L
SL4536C	WB39 D-569078	10N	2N	100	200	10N	50L	10N
SL4537C	WB39 D-569079	10L	2N	100L	200	10N	50L	10L
SL4538C	WB39 D-569080	10L	2N	1000	300	10N	50N	70
SL4539C	WB39 D-569081	30	2N	100N	1000	10N	50N	10L
SL4540C	WB39 D-569082	20	2N	100N	1000	10N	50N	10N
SL4541C	WB39 D-569083	10N	2N	150	200	10N	50N	150
SL4542C	WB39 D-569084	10N	2N	2000	100	10N	50N	10
SL4543C	WB39 D-569085	10	2N	1500	300	10N	50N	20
SL4544C	WB39 D-569086	10L	2N	2000	100	10N	50N	10
SL4545C	WB39 D-569087	10N	2N	100	100	10N	50	10L
SL4546C	WB39 D-569088	10L	2N	100	150	10N	50	10L
SL4547C	WB39 D-569089	20	2N	100N	200	10N	100	30
SL4548C	WB39 D-569090	10	2N	100L	300	10N	100	10
SL4549C	WB39 D-569091	15	2N	100	150	10N	70	10L
SL4550C	WB39 D-569092	20	2N	100L	500	10N	50L	10L
SL4551C	WB39 D-569093	20	2N	100N	700	10N	50L	10L
SL4552C	WB39 D-569094	15	2N	100L	1000	10N	50	10L
SL4553C	WB39 D-569095	15	2N	100L	1000	10N	50N	20
SL4554C	WB39 D-569096	10	2N	2000G	500	10N	50N	10N
SL4555C	WB39 D-569097	10	2N	150	1000	10N	50L	10
SL4556C	WB39 D-569098	10	2N	100L	1000	10N	50L	10L
SL4557C	WB39 D-569099	10N	2N	200	500	10N	100	10N
SL4558C	WB39 D-569100	10N	2N	700	70	10N	50L	10N
SL4559C	WB39 D-569101	10L	2N	150	700	10N	50L	10L
SL4560C	WB39 D-569102	10N	2N	200	150	10N	50	10N
SL4561C	WB39 D-569103	10L	2N	100N	100	10N	50L	10L

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Pb-ppm-S	Sb-ppm-S	Sc-ppm-S	Sn-ppm-S	Sr-ppm-S	Th-ppm-S	V-ppm-S
SL3001C	VM69 D-533942	20N	200N	20	20N	200L	200N	200
SL3002C	VM69 D-533943	20N	200N	10N	20N	200L	200N	70
SL3003C	VM69 D-533944	20L	200N	30	20N	200L	200N	300
SL3004C	VM69 D-533945	20N	200N	10N	20N	200	200N	100
SL3005C	VM69 D-533946	20N	200N	10N	20N	200N	200N	50
SL3006C	VM69 D-533947	20L	300	100	70	200N	200N	200
SL3007C	VM69 D-533948	20N	200N	50	20L	200N	200N	150
SL3008C	VM69 D-533949	20L	200N	30	20N	5000	200N	200
SL3009C	VM69 D-533950	20L	200N	20	500	200	200N	150
SL3010C	VM69 D-533951	20L	200N	30	20N	2000	200N	300
SL3011C	VM69 D-533952	20N	200N	20	20L	200	200N	150
SL3012C	VM69 D-533953	20L	200N	20	200	500	200N	200
SL3013C	VM69 D-533954	20L	300	20	70	200L	200N	150
SL3014C	VM69 D-533955	20L	200N	15	20N	200N	200N	100
SL3015C	VM69 D-533956	20L	200N	20	20N	200L	200N	200
SL3016C	VM69 D-533957	20N	200N	30	20N	200N	200N	200
SL3017C	VM69 D-533958	20L	200N	50	20N	200N	200N	150
SL3018C	VM69 D-533959	20N	200N	50	20L	200L	200N	200
SL3019C	VM69 D-533960	ins	ins	ins	ins	ins	ins	ins
SL3020C	VM69 D-533961	20N	200N	15	20N	200N	200N	150
SL3021C	VM69 D-533962	20N	200N	20	20N	200N	200N	200
SL3022C	VM69 D-533963	20N	200N	15	20N	200N	200N	200
SL3023C	VM69 D-533964	20N	200N	20	20N	200L	200N	150
SL3024C	VM69 D-533965	20L	200N	10	20N	200L	200N	100
SL3025C	VM69 D-533966	20	200N	200	20N	200N	200N	100
SL3026C	VM69 D-533967	20N	200N	30	500	200N	200N	150
SL3027C	VM69 D-533968	20L	200N	100	700	200N	200N	30
SL3028C	VM69 D-533969	20	200N	200G	1500	200N	200N	30
SL3029C	VM69 D-533970	20N	200N	200G	50	200N	200N	50
SL3030C	VM69 D-533971	20N	200N	200G	1000	200N	200N	50
SL3031C	VM69 D-533972	20N	200N	200	1500	200N	200N	50
SL3032C	VM69 D-533973	50	200N	50	20N	200N	200N	100
SL3033C	VM69 D-533974	20N	200N	10L	20N	200N	200N	100
SL3034C	VM69 D-533975	20N	200N	10N	20N	200N	200N	70
SL3035C	VM69 D-533976	20L	200N	30	20N	200	200N	500
SL3036C	VM69 D-533977	20N	200N	20	70	200L	200N	150
SL3037C	VM69 D-533978	20N	200N	20	20N	200L	200N	200
SL3038C	VM69 D-533979	20L	200N	10	20N	3000	200N	150
SL3039C	VM69 D-533980	20	200N	15	20N	2000	200N	100
SL3040C	VM69 D-533981	20N	200N	20	20N	200L	200N	200
SL3041C	VM70 D-533982	20	200N	15	20N	200L	200N	150
SL3042C	VM70 D-533983	20L	200N	10	20N	200L	200N	200
SL3043C	VM70 D-533984	20N	200N	10	20N	200N	200N	200
SL3044C	VM70 D-533985	20N	200N	30	20N	200N	200N	300
SL3045C	VM70 D-533986	20N	200N	20	20N	200L	200N	300
SL3046C	VM70 D-533987	20N	200N	30	20N	200L	200N	200

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Pb-ppm-S	Sb-ppm-S	Sc-ppm-S	Sn-ppm-S	Sr-ppm-S	Th-ppm-S	V-ppm-S
SL3047C	VM70 D-533988	20N	200N	10	20N	200L	200N	300
SL3048C	VM70 D-533989	20N	200N	10	20N	200N	200N	200
SL3049C	VM70 D-533990	20N	200N	30	20N	200L	200N	200
SL3050C	VM70 D-533991	20	200N	20	20N	200L	200N	200
SL3051C	VM70 D-533992	20N	200N	10L	20N	200L	200N	150
SL3052C	VM70 D-533993	20N	200N	10L	20N	200L	200N	100
SL3053C	VM70 D-533994	20N	200N	50	20N	200N	200N	150
SL3054C	VM70 D-533995	20L	200N	50	30	200	200N	200
SL3055C	VM70 D-533996	20N	200N	15	20N	200L	200N	150
SL3056C	VM70 D-533997	ins	ins	ins	ins	ins	ins	ins
SL3057C	VM70 D-533998	20N	200N	20	20N	200N	200N	100
SL3058C	VM70 D-533999	20L	200N	10	20N	200L	200N	150
SL3059C	VM70 D-534000	30	200N	15	20N	200L	200N	100
SL3060C	VM70 D-534001	20	200N	10N	20N	200N	200N	100
SL3061C	VM70 D-534002	20N	200N	30	20	200N	200N	100
SL3064C	VN64 D-536695	20N	200	70	300	200N	200N	100
SL3065C	VN64 D-536696	20N	200N	50	200	200N	200N	150
SL3066C	VN64 D-536697	20N	200N	20	700	200N	200N	200
SL3067C	VN64 D-536698	20N	200N	15	500	200L	200N	200
SL3068C	VN64 D-536699	20N	200N	10	20N	200N	200N	100
SL3069C	VN64 D-536700	20N	200N	70	700	200N	200N	70
SL3070C	VN64 D-536701	20N	200N	20	20	200L	200N	150
SL3071C	VN64 D-536702	20L	200N	15	30	200	200N	100
SL3072C	VN64 D-536703	20N	200N	30	50	200N	200N	150
SL3073C	no sample	ins	ins	ins	ins	ins	ins	ins
SL3074C	VN64 D-536704	20N	200N	50	20N	200N	200N	200
SL3075C	VN64 D-536705	20L	200N	20	20	200N	200N	100
SL3076C	VN64 D-536706	20N	200N	50	20N	200N	200N	200
SL3077C	VN64 D-536707	20N	200N	50	20N	200N	200N	200
SL3078C	VN64 D-536708	20L	200N	30	50	1000	200N	150
SL3079C	VN64 D-536709	500	200N	30	20L	200N	200N	100
SL3080C	VN64 D-536710	20N	200N	20	20N	200L	200N	200
SL3081C	VN64 D-536711	20L	200N	20	20N	200N	200N	150
SL3082C	VN64 D-536712	20N	200N	70	20N	200L	200N	1000
SL3083C	VN64 D-536713	20N	200N	70	20N	200L	200N	700
SL3084C	VN64 D-536714	20L	200N	50	20N	200	200N	100
SL3085C	VN64 D-536715	ins	ins	ins	ins	ins	ins	ins
SL3086C	VN64 D-536716	20	200N	50	20N	200N	200N	100
SL3087C	VN64 D-536717	20N	200N	30	20N	200L	200N	200
SL3088C	VN64 D-536718	20N	200N	30	20N	700	200N	150
SL3089C	VN64 D-536719	20N	200N	100	20N	300	200N	150
SL3090C	VN64 D-536720	20L	200N	20	20N	2000	200N	100
SL3091C	VN64 D-536721	30	200N	30	20N	7000	200N	150
SL3092C	VN64 D-536722	20L	200N	30	20N	200	200N	200
SL3093C	VN64 D-536723	20	200N	70	20N	200	200N	200
SL3094C	VN64 D-536724	20N	200N	10L	20N	200L	200N	100

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Pb-ppm-S	Sb-ppm-S	Sc-ppm-S	Sn-ppm-S	Sr-ppm-S	Th-ppm-S	V-ppm-S
SL3095C	VN64 D-536725	20L	200N	30	20N	300	200N	100
SL3096C	VN64 D-536726	20N	200N	30	20N	500	200N	150
SL3097C	VN64 D-536727	20L	200N	50	30	200N	200N	200
SL3098C	VN64 D-536728	50	200N	150	30	200N	200N	100
SL3099C	VN64 D-536729	20	200N	70	100	200N	200N	150
SL3101C	VM70 D-534003	20N	200N	50	50	200L	200N	300
SL3102C	VM70 D-534004	20L	200N	30	20N	200	200N	200
SL3103C	VM70 D-534005	20	200N	50	20N	300	200N	300
SL3104C	VM70 D-534006	30	200N	50	20N	2000	200N	100
SL3105C	VM70 D-534007	20L	200N	50	20N	200L	200N	200
SL3106C	VM70 D-534008	20N	200N	70	20N	200L	200N	200
SL3107C	VM70 D-534009	20L	200N	30	20N	300	200N	200
SL3108C	VM70 D-534010	20N	200N	10	100	200	200N	200
SL3109C	VM70 D-534011	20N	200N	20	50	200L	200N	150
SL3110C	VM70 D-534012	20N	200N	15	300	200L	200N	200
SL3111C	VM70 D-534013	20N	200N	20	200	200	200N	200
SL3112C	VM70 D-534014	20N	200N	70	300	200L	200N	200
SL3113C	VM70 D-534015	20N	200N	100	50	300	200N	300
SL3114C	VM70 D-534016	20N	200N	50	20N	200N	200N	500
SL3115C	VM70 D-534017	20N	200N	70	20N	200N	200N	300
SL3116C	VM70 D-534018	20L	200N	200	2000	200N	200N	100
SL3117C	VM70 D-534019	30	200N	20	30	200N	200N	200
SL3118C	VM70 D-534020	20L	1000	20	150	200N	200N	500
SL3119C	VM70 D-534021	50	200N	200G	2000G	200N	200N	70
SL3120C	VM71 D-534022	20N	200N	10L	20N	200L	200N	100
SL3121C	VM71 D-534023	20N	200N	100	50	200N	200N	200
SL3122C	VM71 D-534024	20N	200N	10	20N	200L	200N	200
SL3123C	VM71 D-534025	20N	200N	10N	20N	200N	200N	150
SL3124C	VM71 D-534026	20N	200N	10L	20N	200L	200N	100
SL3125C	VM71 D-534027	20L	200N	10	20N	500	200N	150
SL3126C	VM71 D-534028	20N	200N	10	20N	200N	200N	100
SL3127C	VM71 D-534029	20L	200N	30	20N	200N	200N	200
SL3128C	VM71 D-534030	20L	200N	20	20L	200N	200N	500
SL3129C	VM71 D-534031	20N	200N	15	20N	200N	200N	300
SL3130C	VM71 D-534032	20N	200N	10N	20N	2000	200N	150
SL3131C	VM71 D-534033	20N	200N	10L	20N	500	200N	200
SL3132C	VM71 D-534034	20N	200N	10	20N	300	200N	300
SL3133C	VM71 D-534035	20N	200N	30	20N	200	200N	500
SL3134C	VM71 D-534036	20L	200N	10	20N	200N	200N	300
SL3135C	VM71 D-534037	20	200N	10	20N	200L	200N	300
SL3136C	VM71 D-534038	20N	200N	10L	20N	200	200N	100
SL3137C	VM71 D-534039	20N	200N	30	20N	200	200N	500
SL3138C	VM71 D-534040	20N	200N	10L	20N	200L	200N	100
SL3139C	VM71 D-534041	20N	200N	50	20N	500	200N	150
SL3140C	VM71 D-534042	20N	200N	20	20N	200L	200N	200
SL3141C	VM71 D-534043	20N	200N	30	20N	200N	200N	100

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Pb-ppm-S	Sb-ppm-S	Sc-ppm-S	Sn-ppm-S	Sr-ppm-S	Th-ppm-S	V-ppm-S
SL3142C	VM71 D-534044	20N	1000	10L	20N	200N	200N	100
SL3143C	VM71 D-534045	20L	200N	30	20N	200L	200N	500
SL3144C	VM71 D-534046	20L	200N	10	20N	700	200N	300
SL3145C	VM71 D-534047	20N	200N	10	20N	200L	200N	200
SL3146C	VM71 D-534048	20N	200N	20	20N	200N	200N	200
SL3147C	VM71 D-534049	20N	200N	100	100	200N	200N	200
SL3148C	VM71 D-534050	20N	200N	50	30	200N	200N	150
SL3149C	VN64 D-536730	20L	200N	20	20N	700	200N	100
SL3150C	VN64 D-536731	20N	200N	30	20L	200N	200N	70
SL3151C	VN64 D-536732	20N	200N	30	30	200L	200N	100
SL3152C	VN65 D-536733	20N	200N	20	20	200N	200N	150
SL3153C	VN65 D-536734	20N	200N	30	20N	200N	200N	100
SL3154C	VN65 D-536735	20L	200N	20	20N	200N	200N	150
SL3155C	VN65 D-536736	20L	200N	20	70	1500	200N	150
SL3156C	VN65 D-536737	150	200N	50	20	200N	200N	200
SL3157C	VN65 D-536738	70	200N	50	20	200N	200N	100
SL3158C	VN65 D-536739	20L	200N	20	20N	200N	200N	200
SL3159C	VN65 D-536740	50	200N	50	20N	200	200N	500
SL3160C	VN65 D-536741	20L	200N	30	20N	200N	200N	200
SL3161C	VN65 D-536742	20	200N	30	20N	200L	200N	150
SL3200C	VM71 D-534051	20N	200N	10L	70	200L	200N	200
SL3201C	VM71 D-534052	20	200N	10L	20N	200	200N	1000
SL3202C	VM71 D-534053	30	200N	30	20N	200L	200N	1000
SL3203C	VM71 D-534054	30	200N	100	20N	200N	200N	500
SL3204C	VM71 D-534055	20N	200N	50	20N	200L	200N	500
SL3205C	VM71 D-534056	20N	200N	70	20N	200L	200N	700
SL3206C	VM71 D-534057	20N	200N	10L	20N	200N	200N	150
SL3207C	VM71 D-534058	20L	200N	50	20N	200N	200N	700
SL3208C	VM71 D-534059	20N	200N	100	20N	200N	200N	1000
SL3209C	VM71 D-534060	300	200N	100	20N	200N	200N	300
SL3210C	VM71 D-534061	20N	200N	50	20N	200N	200N	500
SL3211C	VM72 D-534062	20L	200N	15	20N	500	200N	200
SL3212C	VM72 D-534063	20L	200N	30	150	200N	200N	70
SL3213C	VM72 D-534064	20N	200N	20	20	200N	200N	300
SL3214C	VM72 D-534065	20N	200N	10L	20N	200L	200N	200
SL3215C	VM72 D-534066	20N	200L	20	20N	200N	200N	200
SL3216C	VM72 D-534067	20N	200N	15	500	200N	200N	150
SL3217C	VM72 D-534068	70	200N	10L	30	200L	200N	200
SL3218C	no sample	ins	ins	ins	ins	ins	ins	ins
SL3219C	VM72 D-534069	20L	200N	20	20N	300	200N	300
SL3220C	VM72 D-534070	20	200N	15	20N	200	200N	200
SL3221C	VM72 D-534071	30	200N	15	20N	300	200N	200
SL3222C	VM72 D-534072	20N	200N	20	20N	200L	200N	500
SL3223C	VM72 D-534073	20	200N	15	20N	700	200N	100
SL3224C	VM72 D-534074	20N	200N	70	20N	200N	200N	300
SL3225C	VM72 D-534075	20L	200N	10L	20N	500	200N	100

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Pb-ppm-S	Sb-ppm-S	Sc-ppm-S	Sn-ppm-S	Sr-ppm-S	Th-ppm-S	V-ppm-S
SL3226C	VM72 D-534076	30	200N	15	20N	200	200N	150
SL3227C	VM72 D-534077	20	200N	50	20N	200N	200N	200
SL3228C	VM72 D-534078	20N	200N	30	20N	200L	200N	300
SL3229C	VM72 D-534079	20N	200N	70	20N	200L	200N	200
SL3230C	VM72 D-534080	20L	200N	30	20N	200L	200N	500
SL3231C	VM72 D-534081	20N	200N	50	20N	200L	200N	300
SL3232C	VM72 D-534082	100	200N	15	20N	300	200N	100
SL3233C	VM72 D-534083	20N	200N	20	20N	200	200N	200
SL3234C	VM72 D-534084	20	200N	15	20N	200L	200N	150
SL3235C	VM72 D-534085	30	200N	30	20N	300	200N	150
SL3236C	VM72 D-534086	20N	200N	50	20N	200N	200N	200
SL3237C	VM72 D-534087	20N	200N	100	20N	200N	200N	300
SL3238C	VM72 D-534088	20N	2000	15	20N	200N	200N	100
SL3239C	VM72 D-534089	30	200N	50	20N	200N	200N	200
SL3240C	VM72 D-534090	20	200N	15	20N	200L	200N	150
SL3241C	VN65 D-536743	20L	200N	10	20N	200L	200N	100
SL3242C	VN65 D-536744	20N	200N	15	200	200N	200N	150
SL3243C	VN65 D-536745	20L	200N	30	30	200N	200N	50
SL3244C	VN65 D-536746	20N	500	50	150	200N	200N	200
SL3245C	VN65 D-536747	20N	200N	20	300	200N	200N	100
SL3246C	VN65 D-536748	20N	200N	10L	20N	200N	200N	150
SL3247C	VN65 D-536749	20N	200N	30	20N	200N	200N	150
SL3248C	VN65 D-536750	20L	200N	70	20	200N	200N	150
SL3249C	VN65 D-536751	20	200N	30	20N	200N	200N	70
SL3250C	VN65 D-536752	20	2000	50	20N	200L	200N	100
SL3251C	VN65 D-536753	20L	200N	50	20N	500	200N	300
SL3252C	VN65 D-536754	20L	200N	10N	20N	2000	200N	150
SL3253C	VN65 D-536755	20	200N	10N	20N	5000	200N	100
SL3254C	VN65 D-536756	20L	200N	50	20N	1500	200N	300
SL3255C	VN65 D-536757	20L	200N	30	20N	1000	200N	300
SL3256C	VN65 D-536758	20N	200N	10L	20N	200N	200N	100
SL3257C	VN65 D-536759	20N	200N	10	20N	200	200N	200
SL3258C	VN65 D-536760	70	200N	100	50	200N	200N	100
SL3259C	VN65 D-536761	20	200N	150	20N	200N	200N	70
SL3260C	VN65 D-536762	100	200N	200	700	200N	200N	50
SL3261C	VN65 D-536763	700	200N	100	1000	200N	200N	100
SL3262C	VN65 D-536764	30	200N	30	20N	200L	200N	100
SL3263C	VN65 D-536765	20N	300	10L	20N	200L	200N	200
SL3264C	VN65 D-536766	50	200N	50	30	200N	200N	150
SL3265C	VN65 D-536767	50	200N	100	2000G	200N	200N	100
SL3266C	VN65 D-536768	20	200N	10	20N	200	200N	200
SL3267C	VN65 D-536769	20N	200N	15	20L	200L	200N	500
SL3268C	VN65 D-536770	30	200N	30	20N	200N	200N	150
SL3269C	VN65 D-536771	20N	200N	30	20N	200L	200N	200
SL3301C	VM72 D-534091	20N	200N	50	30	200	200N	200
SL3302C	VM72 D-534092	20L	200N	50	70	200L	200N	150

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Pb-ppm-S	Sb-ppm-S	Sc-ppm-S	Sn-ppm-S	Sr-ppm-S	Th-ppm-S	V-ppm-S
SL3303C	VM72 D-534093	20L	200N	50	20N	500	200N	200
SL3304C	VM72 D-534094	20L	200N	10	20L	200N	200N	50
SL3305C	VM72 D-534095	20L	200N	15	30	200N	200N	70
SL3306C	VM72 D-534096	20L	200N	30	20L	200N	200N	150
SL3307C	VM72 D-534097	20N	200N	10	20N	200N	200N	100
SL3308C	VM72 D-534098	20	200N	70	2000G	200N	200N	50
SL3309C	VM72 D-534099	20N	200N	10L	500	200N	200N	200
SL3310C	VM72 D-534100	20L	200N	10	20N	200	200N	100
SL3311C	VM72 D-534101	20	200N	50	1500	200N	200N	100
SL3312C	VM73 D-534102	20	200N	200G	2000G	200N	200N	100
SL3313C	VM73 D-534103	500	5000	50	200	200N	200N	150
SL3314C	VM73 D-534104	50	200N	100	100	200N	200N	150
SL3315C	VM73 D-534105	20L	200N	100	2000	200N	200N	100
SL3316C	VM73 D-534106	20N	200N	20	30	200N	200N	100
SL3317C	VM73 D-534107	20N	200N	10L	20N	200L	200N	500
SL3318C	VM73 D-534108	20	200N	10L	20N	200	200N	500
SL3319C	VM73 D-534109	20N	200N	15	20N	200L	200N	1000
SL3320C	VM73 D-534110	50	200N	20	20N	700	200N	1000
SL3321C	VM73 D-534111	20N	200N	20	20N	500	200N	200
SL3322C	VM73 D-534112	20N	200N	20	20N	200	200N	300
SL3323C	VM73 D-534113	50	200N	10L	20N	3000	200N	500
SL3324C	VM73 D-534114	200	200N	10L	20N	5000	200N	150
SL3325C	VM73 D-534115	30	200N	30	100	200L	200N	500
SL3326C	VM73 D-534116	20N	200N	50	20N	200L	200N	700
SL3327C	VM73 D-534117	20N	200N	20	20N	300	200N	700
SL3328C	VM73 D-534118	20N	200N	10L	20N	200N	200N	300
SL3329C	VM73 D-534119	20	200N	50	20N	200L	200N	300
SL3330C	VM73 D-534120	20N	200N	10	20N	200N	200N	200
SL3331C	VM73 D-534121	20	200N	15	20N	200L	200N	1000
SL3332C	VM73 D-534122	20	200N	20	20N	200	200N	700
SL3333C	VM73 D-534123	20L	200N	10L	20N	2000	200N	150
SL3334C	VM73 D-534124	20N	200N	70	20N	200L	200N	500
SL3335C	VM73 D-534125	20N	200N	30	20N	200N	200N	1000
SL3336C	VM73 D-534126	20N	200N	10L	20N	200N	300	20N
SL3337C	VM73 D-534127	20N	200N	10L	20N	200N	500	30
SL3338C	VM73 D-534128	20N	200N	10L	20N	200L	200N	200
SL3339C	VM73 D-534129	20N	700	10L	20N	200N	200N	200
SL3340C	VM73 D-534130	ins	ins	ins	ins	ins	ins	ins
SL3341C	VM73 D-534131	20N	200N	20	20N	200L	200N	200
SL3342C	VM73 D-534132	20N	200N	10L	20N	200N	200N	150
SL3343C	VM73 D-534133	20N	200N	20	50	200N	200N	200
SL3344C	VM73 D-534134	20N	200N	50	20N	200	200N	1000
SL3345C	VM73 D-534135	20	200N	30	20	300	200N	500
SL3346C	VN65 D-536772	20L	200N	50	300	200N	200N	100
SL3347C	VN66 D-536773	20N	200N	30	500	200N	200N	70
SL3348C	no sample	ins	ins	ins	ins	ins	ins	ins

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Pb-ppm-S	Sb-ppm-S	Sc-ppm-S	Sn-ppm-S	Sr-ppm-S	Th-ppm-S	V-ppm-S
SL3349C	VN66 D-536774	20N	200N	15	20N	200N	200N	30
SL3350C	VN66 D-536775	20N	200N	50	30	200N	200N	150
SL3351C	VN66 D-536776	20	200N	70	20N	200	200N	200
SL3352C	VN66 D-536777	20L	200N	30	70	1500	200N	200
SL3353C	VN66 D-536778	500	200N	20	20N	200N	200N	100
SL3354C	VN66 D-536779	20N	200N	50	20N	200L	200N	100
SL3355C	VN66 D-536780	20L	200N	50	20N	200L	200N	150
SL3356C	VN66 D-536781	20N	200N	100	20N	200L	200N	700
SL3357C	VN66 D-536782	20L	200N	50	20N	200L	200N	200
SL3358C	VN66 D-536783	20N	200N	10	20N	200	200N	100
SL3359C	VN66 D-536784	20N	200N	10	20N	200L	200N	70
SL3360C	VN66 D-536785	20N	200N	20	20N	200L	200N	100
SL3361C	VN66 D-536786	20N	200N	15	20N	200N	200N	70
SL3362C	VN66 D-536787	70	200	15	20	200N	200N	100
SL3363C	VN66 D-536788	20L	200N	70	200	200N	200N	100
SL3364C	VN66 D-536789	20N	200N	10	20N	200L	200N	70
SL3365C	VN66 D-536790	20N	200N	20	20N	200L	200N	200
SL3366C	VN66 D-536791	20	200N	100	20N	200N	200N	150
SL3367C	VN66 D-536792	30	200N	100	500	200N	200N	100
SL4501C	WB38 D-569043	300	200N	10	20N	1000	200N	150
SL4502C	WB38 D-569044	30	200N	30	20N	200L	200N	200
SL4503C	WB38 D-569045	20	200N	10L	20N	200	200N	150
SL4504C	WB38 D-569046	100	200N	10L	20N	500	200N	100
SL4505C	WB38 D-569047	20	200N	10	20N	700	200N	200
SL4506C	WB38 D-569048	20	200N	10L	20L	500	200N	200
SL4507C	WB38 D-569049	20N	200L	10	50	200N	200N	150
SL4508C	WB38 D-569050	20N	200N	15	20N	200N	200N	100
SL4509C	WB38 D-569051	20N	200N	10L	20N	200N	200N	100
SL4510C	WB38 D-569052	20N	200N	10N	20L	200L	200N	70
SL4511C	WB38 D-569053	50	200N	15	50	200L	200N	150
SL4512C	WB38 D-569054	300	700	10	500	200L	200N	150
SL4513C	WB38 D-569055	50	200N	10N	20N	300	200N	70
SL4514C	WB38 D-569056	100	200N	10L	20N	300	200N	70
SL4515C	WB38 D-569057	ins	ins	ins	ins	ins	ins	ins
SL4516C	WB38 D-569058	20N	200N	10N	20N	200L	200N	200
SL4517C	WB38 D-569059	20L	200N	10N	100	200L	200N	200
SL4518C	WB38 D-569060	20N	200N	10N	20N	200N	200N	150
SL4519C	WB38 D-569061	ins	ins	ins	ins	ins	ins	ins
SL4520C	WB38 D-569062	20L	200N	30	20N	700	200	150
SL4521C	WB38 D-569063	20N	200N	10	20N	200N	200L	100
SL4522C	WB38 D-569064	20N	200L	10L	20N	200	200N	150
SL4523C	WB38 D-569065	20L	200N	10N	20L	300	200N	100
SL4524C	WB38 D-569066	20	200	10N	20N	1000	200N	70
SL4525C	WB38 D-569067	200	200L	10L	20N	200L	200N	200
SL4526C	WB38 D-569068	20L	200N	10L	20N	500	200N	100
SL4527C	WB38 D-569069	100	200L	20	20N	300	200N	200

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	Pb-ppm-S	Sb-ppm-S	Sc-ppm-S	Sn-ppm-S	Sr-ppm-S	Th-ppm-S	V-ppm-S
SL4528C	WB38 D-569070	30	200N	10N	20N	200	200N	20
SL4529C	WB38 D-569071	20L	200L	10L	300	200	200N	100
SL4530C	WB38 D-569072	20	700	10L	30	300	200N	150
SL4531C	WB39 D-569073	20L	200N	10L	20N	700	200N	70
SL4532C	WB39 D-569074	20L	200N	10	70	1000	200N	100
SL4533C	WB39 D-569075	20	200N	10	70	500	200N	150
SL4534C	WB39 D-569076	20L	200N	10N	20N	500	200N	70
SL4535C	WB39 D-569077	20N	200N	10N	20N	200	200N	100
SL4536C	WB39 D-569078	20N	200N	10L	20N	500	200N	100
SL4537C	WB39 D-569079	20N	200N	10	20N	200L	200N	100
SL4538C	WB39 D-569080	20N	200N	20	20N	200	200N	200
SL4539C	WB39 D-569081	20N	200N	10L	20N	200N	200N	150
SL4540C	WB39 D-569082	20L	200N	10N	500	200N	200N	70
SL4541C	WB39 D-569083	100	200L	10N	20N	200N	200N	50
SL4542C	WB39 D-569084	20N	200N	10	2000G	500	200N	200
SL4543C	WB39 D-569085	20N	200N	10L	200	300	200N	150
SL4544C	WB39 D-569086	20N	200N	15	20N	1500	200N	100
SL4545C	WB39 D-569087	20N	200N	20	20N	200N	200N	150
SL4546C	WB39 D-569088	70	200N	20	20	200N	200N	100
SL4547C	WB39 D-569089	20L	200N	30	20	200N	200N	150
SL4548C	WB39 D-569090	30	500	15	30	200N	200N	150
SL4549C	WB39 D-569091	20L	200N	10	70	200N	200N	70
SL4550C	WB39 D-569092	20	200N	10	70	200	200N	100
SL4551C	WB39 D-569093	20L	200N	10N	500	200L	200N	70
SL4552C	WB39 D-569094	20L	200N	10L	70	200L	200N	100
SL4553C	WB39 D-569095	20N	200N	10N	20N	200	200N	150
SL4554C	WB39 D-569096	100	200N	10N	20	200N	200	100
SL4555C	WB39 D-569097	20N	200N	10L	20N	200L	200N	200
SL4556C	WB39 D-569098	20L	200N	10L	20N	200L	200N	70
SL4557C	WB39 D-569099	20N	200N	10N	20N	200N	200N	150
SL4558C	WB39 D-569100	20L	200N	10N	20N	300	200N	70
SL4559C	WB39 D-569101	20N	200N	10	20N	200L	200N	100
SL4560C	WB39 D-569102	20N	200N	20	20L	200N	200N	200
SL4561C	WB39 D-569103	20N	200N	10L	20N	200L	200N	150

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	W-ppm-S	Y-ppm-S	Zn-ppm-S	Zr-ppm-S	Pd-ppm-S	Pt-ppm-S
SL3001C	VM69 D-533942	50N	300	500N	2000G	5N	20N
SL3002C	VM69 D-533943	50L	1000	500N	2000G	5N	20N
SL3003C	VM69 D-533944	50N	100	500N	2000G	5N	20N
SL3004C	VM69 D-533945	50N	700	500N	2000G	5N	20N
SL3005C	VM69 D-533946	50N	700	500N	2000G	5N	20N
SL3006C	VM69 D-533947	50N	200	500N	2000G	5N	20N
SL3007C	VM69 D-533948	50L	100	500N	2000G	5N	20N
SL3008C	VM69 D-533949	50N	300	500N	2000G	5N	20N
SL3009C	VM69 D-533950	50N	200	500N	2000G	5N	20N
SL3010C	VM69 D-533951	50N	150	500N	2000G	5N	20N
SL3011C	VM69 D-533952	50N	200	500N	2000G	5N	20N
SL3012C	VM69 D-533953	50N	300	500N	2000G	5N	20N
SL3013C	VM69 D-533954	50N	300	500N	2000G	5N	20N
SL3014C	VM69 D-533955	50N	200	500N	2000G	5N	20N
SL3015C	VM69 D-533956	50N	150	500N	2000G	5N	20N
SL3016C	VM69 D-533957	50N	200	500N	2000G	5N	20N
SL3017C	VM69 D-533958	50N	200	500N	2000G	5N	20N
SL3018C	VM69 D-533959	50N	200	500N	2000G	5N	20N
SL3019C	VM69 D-533960	ins	ins	ins	ins	ins	ins
SL3020C	VM69 D-533961	50N	500	500N	2000G	5N	20N
SL3021C	VM69 D-533962	50N	700	500N	2000G	5N	20N
SL3022C	VM69 D-533963	50N	500	500N	2000G	5N	20N
SL3023C	VM69 D-533964	50N	70	500N	1500	5N	20N
SL3024C	VM69 D-533965	50L	100	500N	2000G	5N	20N
SL3025C	VM69 D-533966	150	700	500N	2000G	5N	20N
SL3026C	VM69 D-533967	50N	200	500N	2000G	5N	20N
SL3027C	VM69 D-533968	50	500	500N	2000G	5N	20N
SL3028C	VM69 D-533969	50L	700	500N	2000G	5N	20N
SL3029C	VM69 D-533970	50N	700	500N	2000G	5N	20N
SL3030C	VM69 D-533971	500	500	500N	2000G	5N	20N
SL3031C	VM69 D-533972	300	200	500N	2000G	5N	20N
SL3032C	VM69 D-533973	50	300	500N	2000G	5N	20N
SL3033C	VM69 D-533974	50N	50	500N	2000	5N	20N
SL3034C	VM69 D-533975	50N	20	500N	2000	5N	20N
SL3035C	VM69 D-533976	50N	150	500N	2000G	5N	20N
SL3036C	VM69 D-533977	200	70	500N	2000G	5N	20N
SL3037C	VM69 D-533978	50N	500	500N	2000G	5N	20N
SL3038C	VM69 D-533979	50N	30	500N	2000G	5N	20N
SL3039C	VM69 D-533980	50N	50	500N	2000G	5N	20N
SL3040C	VM69 D-533981	50N	100	500N	2000G	5N	20N
SL3041C	VM70 D-533982	50N	100	500N	2000G	5N	20N
SL3042C	VM70 D-533983	50N	100	500N	2000G	5N	20N
SL3043C	VM70 D-533984	50N	50	500N	2000G	5N	20N
SL3044C	VM70 D-533985	50N	70	500N	2000G	5N	20N
SL3045C	VM70 D-533986	50N	100	500N	2000G	5N	20N
SL3046C	VM70 D-533987	50N	100	500N	2000G	5N	20N

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	W-ppm-S	Y-ppm-S	Zn-ppm-S	Zr-ppm-S	Pd-ppm-S	Pt-ppm-S
SL3047C	VM70 D-533988	50N	150	500N	2000G	5N	20N
SL3048C	VM70 D-533989	50N	70	500N	2000G	5N	20N
SL3049C	VM70 D-533990	50N	50	500N	2000G	5N	20N
SL3050C	VM70 D-533991	50N	50	500N	2000G	5N	20N
SL3051C	VM70 D-533992	50N	50	500N	2000G	5N	20N
SL3052C	VM70 D-533993	50N	20	500N	2000	5N	20N
SL3053C	VM70 D-533994	50N	30	500N	2000	5N	20N
SL3054C	VM70 D-533995	50N	150	500N	2000G	5N	20N
SL3055C	VM70 D-533996	50N	100	500N	2000	5N	20N
SL3056C	VM70 D-533997	ins	ins	ins	ins	ins	ins
SL3057C	VM70 D-533998	50N	70	500N	2000	5N	20N
SL3058C	VM70 D-533999	50N	50	500N	500	5N	20N
SL3059C	VM70 D-534000	50N	70	500N	2000G	5N	20N
SL3060C	VM70 D-534001	50N	20	500N	2000	5N	20N
SL3061C	VM70 D-534002	50	100	500N	2000	5N	20N
SL3064C	VN64 D-536695	1000	200	500N	2000G	5N	20N
SL3065C	VN64 D-536696	150	150	500N	2000G	5N	20N
SL3066C	VN64 D-536697	1000	100	500N	2000G	5N	20N
SL3067C	VN64 D-536698	50N	50	500N	2000	5N	20N
SL3068C	VN64 D-536699	50N	70	500N	2000G	5N	20N
SL3069C	VN64 D-536700	50L	500	500N	2000G	5N	20N
SL3070C	VN64 D-536701	50N	70	500N	2000G	5N	20N
SL3071C	VN64 D-536702	50N	100	500N	2000G	5N	20N
SL3072C	VN64 D-536703	50N	200	500N	2000G	5N	20N
SL3073C	no sample	ins	ins	ins	ins	ins	ins
SL3074C	VN64 D-536704	50N	200	500N	2000	5N	20N
SL3075C	VN64 D-536705	500	500	500N	2000G	5N	20N
SL3076C	VN64 D-536706	50N	20	500N	1000	5N	20N
SL3077C	VN64 D-536707	50N	200	500N	2000G	5N	20N
SL3078C	VN64 D-536708	50N	150	500N	2000G	5N	20N
SL3079C	VN64 D-536709	1000	150	500N	2000G	5N	20N
SL3080C	VN64 D-536710	50N	50	500N	1500	5N	20N
SL3081C	VN64 D-536711	300	100	500N	2000G	5N	20N
SL3082C	VN64 D-536712	50N	70	500N	2000	5N	20N
SL3083C	VN64 D-536713	50N	30	500N	2000	5N	20N
SL3084C	VN64 D-536714	70	100	500N	1000	5N	20N
SL3085C	VN64 D-536715	ins	ins	ins	ins	ins	ins
SL3086C	VN64 D-536716	50N	200	500N	2000G	5N	20N
SL3087C	VN64 D-536717	50N	100	500N	2000G	5N	20N
SL3088C	VN64 D-536718	50N	200	500N	2000G	5N	20N
SL3089C	VN64 D-536719	50N	500	500N	2000G	5N	20N
SL3090C	VN64 D-536720	50N	100	500N	2000G	5N	20N
SL3091C	VN64 D-536721	50N	150	500N	2000G	5N	20N
SL3092C	VN64 D-536722	50N	150	500N	2000G	5N	20N
SL3093C	VN64 D-536723	50N	200	500N	2000G	5N	20N
SL3094C	VN64 D-536724	50N	20	500N	2000	5N	20N

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	W-ppm-S	Y-ppm-S	Zn-ppm-S	Zr-ppm-S	Pd-ppm-S	Pt-ppm-S
SL3095C	VN64 D-536725	50N	150	1000	2000G	5N	20N
SL3096C	VN64 D-536726	50N	300	500N	2000G	5N	20N
SL3097C	VN64 D-536727	1000	200	500N	2000	5N	20N
SL3098C	VN64 D-536728	150	500	500N	2000G	5N	20N
SL3099C	VN64 D-536729	500	150	500N	2000G	5N	20N
SL3101C	VM70 D-534003	50N	200	500N	2000G	5N	20N
SL3102C	VM70 D-534004	50N	150	500N	2000G	5N	20N
SL3103C	VM70 D-534005	50N	150	500N	1000	5N	20N
SL3104C	VM70 D-534006	50N	200	500N	2000G	5N	20N
SL3105C	VM70 D-534007	50N	100	500N	2000G	5N	20N
SL3106C	VM70 D-534008	50N	200	500N	2000G	5N	20N
SL3107C	VM70 D-534009	50N	150	500N	2000G	5N	20N
SL3108C	VM70 D-534010	50N	150	500N	2000G	5N	20N
SL3109C	VM70 D-534011	50N	100	500N	2000G	5N	20N
SL3110C	VM70 D-534012	50N	200	500N	2000G	5N	20N
SL3111C	VM70 D-534013	50N	200	500N	2000G	5N	20N
SL3112C	VM70 D-534014	50N	500	500N	2000G	5N	20N
SL3113C	VM70 D-534015	50N	300	500N	2000G	5N	20N
SL3114C	VM70 D-534016	50N	200	500N	2000G	5N	20N
SL3115C	VM70 D-534017	50N	300	500N	2000G	5N	20N
SL3116C	VM70 D-534018	70	500	500N	2000G	5N	20N
SL3117C	VM70 D-534019	50L	100	500N	2000G	5N	20N
SL3118C	VM70 D-534020	300	100	500N	2000	5N	20N
SL3119C	VM70 D-534021	70	500	500N	2000G	5N	20N
SL3120C	VM71 D-534022	50N	30	500N	1000	5N	20N
SL3121C	VM71 D-534023	50N	200	500N	2000G	5N	20N
SL3122C	VM71 D-534024	50N	30	500N	1000	5N	20N
SL3123C	VM71 D-534025	50N	20L	500N	150	5N	20N
SL3124C	VM71 D-534026	50N	20	500N	2000	5N	20N
SL3125C	VM71 D-534027	50N	200	500N	2000G	5N	20N
SL3126C	VM71 D-534028	50N	200	500N	2000G	5N	20N
SL3127C	VM71 D-534029	50N	500	500N	2000G	5N	20N
SL3128C	VM71 D-534030	50N	300	500N	2000G	5N	20N
SL3129C	VM71 D-534031	50N	200	500N	2000G	5N	20N
SL3130C	VM71 D-534032	50N	20	500N	2000	5N	20N
SL3131C	VM71 D-534033	50N	100	500L	2000G	5N	20N
SL3132C	VM71 D-534034	50N	200	500N	2000G	5N	20N
SL3133C	VM71 D-534035	50N	200	500N	2000G	5N	20N
SL3134C	VM71 D-534036	50N	150	500N	2000G	5N	20N
SL3135C	VM71 D-534037	50N	70	500N	2000G	5N	20N
SL3136C	VM71 D-534038	50N	20	500N	2000	5N	20N
SL3137C	VM71 D-534039	50N	100	500N	2000G	5N	20N
SL3138C	VM71 D-534040	50N	30	500N	1000	5N	20N
SL3139C	VM71 D-534041	50L	150	500N	2000	5N	20N
SL3140C	VM71 D-534042	50N	70	500N	2000G	5N	20N
SL3141C	VM71 D-534043	50N	500	500N	2000G	5N	20N

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	W-ppm-S	Y-ppm-S	Zn-ppm-S	Zr-ppm-S	Pd-ppm-S	Pt-ppm-S
SL3142C	VM71 D-534044	50N	100	500N	2000	5N	20N
SL3143C	VM71 D-534045	70	100	500N	2000	5N	20N
SL3144C	VM71 D-534046	50L	200	500N	2000G	5N	20N
SL3145C	VM71 D-534047	50N	70	500N	2000G	5N	20N
SL3146C	VM71 D-534048	50N	150	500N	1000	5N	20N
SL3147C	VM71 D-534049	150	500	500N	2000	5N	20N
SL3148C	VM71 D-534050	50L	200	500N	2000G	5N	20N
SL3149C	VN64 D-536730	50N	100	500N	2000G	5N	20N
SL3150C	VN64 D-536731	50N	300	500N	2000G	5N	20N
SL3151C	VN64 D-536732	50N	150	500N	2000G	5N	20N
SL3152C	VN65 D-536733	50N	500	500N	2000G	5N	20N
SL3153C	VN65 D-536734	50	50	500N	2000G	5N	20N
SL3154C	VN65 D-536735	50N	200	500N	2000G	5N	20N
SL3155C	VN65 D-536736	50N	500	500N	2000G	5N	20N
SL3156C	VN65 D-536737	3000	300	500N	2000G	5N	20N
SL3157C	VN65 D-536738	1000	200	500N	2000G	5N	20N
SL3158C	VN65 D-536739	50N	50	500N	2000	5N	20N
SL3159C	VN65 D-536740	50N	200	500N	2000G	5N	20N
SL3160C	VN65 D-536741	50N	150	500N	2000G	5N	20N
SL3161C	VN65 D-536742	50L	150	500N	2000G	5N	20N
SL3200C	VM71 D-534051	50N	150	500N	2000G	5N	20N
SL3201C	VM71 D-534052	50N	20N	500N	2000G	5N	20N
SL3202C	VM71 D-534053	50N	200	500N	2000G	5N	20N
SL3203C	VM71 D-534054	50N	300	500N	2000G	5N	20N
SL3204C	VM71 D-534055	50N	200	500N	2000G	5N	20N
SL3205C	VM71 D-534056	50N	150	500N	2000G	5N	20N
SL3206C	VM71 D-534057	50N	70	500N	2000G	5N	20N
SL3207C	VM71 D-534058	50N	70	500N	2000G	5N	20N
SL3208C	VM71 D-534059	50N	200	500N	1000	5N	20N
SL3209C	VM71 D-534060	50L	30	500N	200	5N	20N
SL3210C	VM71 D-534061	50N	70	500N	2000	5N	20N
SL3211C	VM72 D-534062	50N	50	500N	1500	5N	20N
SL3212C	VM72 D-534063	100	300	500N	2000	5N	20N
SL3213C	VM72 D-534064	100	200	500N	2000G	5N	20N
SL3214C	VM72 D-534065	50N	20	500N	1500	5N	20N
SL3215C	VM72 D-534066	50N	30	500N	1500	5N	20N
SL3216C	VM72 D-534067	50L	50	500N	2000G	5N	20N
SL3217C	VM72 D-534068	150	30	500N	700	5N	20N
SL3218C	no sample	ins	ins	ins	ins	ins	ins
SL3219C	VM72 D-534069	100	50	500N	2000G	5N	20N
SL3220C	VM72 D-534070	50N	100	500N	2000G	5N	20N
SL3221C	VM72 D-534071	50N	150	1000	2000G	5N	20N
SL3222C	VM72 D-534072	50N	200	500N	2000G	5N	20N
SL3223C	VM72 D-534073	50N	150	500N	2000G	5N	20N
SL3224C	VM72 D-534074	50N	30	500N	2000G	5N	20N
SL3225C	VM72 D-534075	50N	30	500L	2000G	5N	20N

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	W-ppm-S	Y-ppm-S	Zn-ppm-S	Zr-ppm-S	Pd-ppm-S	Pt-ppm-S
SL3226C	VM72 D-534076	50N	100	500N	2000G	5N	20N
SL3227C	VM72 D-534077	50N	100	500N	2000G	5N	20N
SL3228C	VM72 D-534078	50N	50	500N	2000	5N	20N
SL3229C	VM72 D-534079	50N	150	500N	2000G	5N	20N
SL3230C	VM72 D-534080	50N	300	500N	2000G	5N	20N
SL3231C	VM72 D-534081	50N	100	500N	2000G	5N	20N
SL3232C	VM72 D-534082	50N	150	500N	1000	5N	20N
SL3233C	VM72 D-534083	50N	20	500N	2000G	5N	20N
SL3234C	VM72 D-534084	50N	50	500N	500	5N	20N
SL3235C	VM72 D-534085	50N	150	500N	2000G	5N	20N
SL3236C	VM72 D-534086	50N	20L	500N	700	5N	20N
SL3237C	VM72 D-534087	50N	30	500N	2000G	5N	20N
SL3238C	VM72 D-534088	50N	100	500N	2000G	5N	20N
SL3239C	VM72 D-534089	50N	70	500N	2000	5N	20N
SL3240C	VM72 D-534090	50N	100	500N	2000G	5N	20N
SL3241C	VN65 D-536743	1000	70	500N	2000G	5N	20N
SL3242C	VN65 D-536744	50	100	500N	2000G	5N	20N
SL3243C	VN65 D-536745	50	700	500N	2000G	5N	20N
SL3244C	VN65 D-536746	50L	200	500N	2000G	5N	20N
SL3245C	VN65 D-536747	50L	200	500N	2000G	5N	20N
SL3246C	VN65 D-536748	50N	30	500N	2000G	5N	20N
SL3247C	VN65 D-536749	500	100	500N	2000G	5N	20N
SL3248C	VN65 D-536750	300	200	500N	2000G	5N	20N
SL3249C	VN65 D-536751	50L	150	500N	2000G	5N	20N
SL3250C	VN65 D-536752	500	300	500N	2000G	5N	20N
SL3251C	VN65 D-536753	50N	300	500N	2000G	5N	20N
SL3252C	VN65 D-536754	50N	70	500N	2000G	5N	20N
SL3253C	VN65 D-536755	50N	150	500N	2000G	5N	20N
SL3254C	VN65 D-536756	50N	200	500N	2000G	5N	20N
SL3255C	VN65 D-536757	50N	300	500N	2000G	5N	20N
SL3256C	VN65 D-536758	50N	30	500N	2000G	5N	20N
SL3257C	VN65 D-536759	50N	100	500N	2000G	5N	20N
SL3258C	VN65 D-536760	500	700	500N	2000G	5N	20N
SL3259C	VN65 D-536761	70	1500	500N	2000G	5N	20N
SL3260C	VN65 D-536762	500	150	500N	2000G	5N	20N
SL3261C	VN65 D-536763	500	300	500N	2000G	5N	20N
SL3262C	VN65 D-536764	70	150	500N	2000G	5N	20N
SL3263C	VN65 D-536765	200	70	500N	2000	5N	20N
SL3264C	VN65 D-536766	50	500	500N	2000G	5N	20N
SL3265C	VN65 D-536767	500	300	500N	2000G	5N	20N
SL3266C	VN65 D-536768	50N	30	500N	1500	5N	20N
SL3267C	VN65 D-536769	300	200	500N	2000	5N	20N
SL3268C	VN65 D-536770	300	150	500N	2000G	5N	20N
SL3269C	VN65 D-536771	200	70	500N	1500	5N	20N
SL3301C	VM72 D-534091	50N	200	500N	2000G	5N	20N
SL3302C	VM72 D-534092	50N	200	500N	2000G	5N	20N

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	W-ppm-S	Y-ppm-S	Zn-ppm-S	Zr-ppm-S	Pd-ppm-S	Pt-ppm-S
SL3303C	VM72 D-534093	50N	100	500N	2000G	5N	20N
SL3304C	VM72 D-534094	50N	500	500N	2000G	5N	20N
SL3305C	VM72 D-534095	50N	1500	500N	2000G	5N	20N
SL3306C	VM72 D-534096	50N	700	500N	2000G	5N	20N
SL3307C	VM72 D-534097	50N	30	500N	2000	5N	20N
SL3308C	VM72 D-534098	70	500	500N	2000G	5N	20N
SL3309C	VM72 D-534099	50N	30	500N	2000G	5N	20N
SL3310C	VM72 D-534100	50N	50	500N	2000	5N	20N
SL3311C	VM72 D-534101	200	100	500N	1000	5N	20N
SL3312C	VM73 D-534102	150	500	500N	2000G	5N	20N
SL3313C	VM73 D-534103	200	500	500N	2000G	5N	20N
SL3314C	VM73 D-534104	150	300	500N	2000G	5N	20N
SL3315C	VM73 D-534105	200	500	500N	2000G	5N	20N
SL3316C	VM73 D-534106	50N	150	500N	2000G	5N	20N
SL3317C	VM73 D-534107	50N	100	500N	2000G	5N	20N
SL3318C	VM73 D-534108	50L	100	500N	2000G	5N	20N
SL3319C	VM73 D-534109	100	200	500N	2000G	5N	20N
SL3320C	VM73 D-534110	50L	150	500N	2000G	5N	20N
SL3321C	VM73 D-534111	50N	500	500N	2000G	5N	20N
SL3322C	VM73 D-534112	50N	700	500L	2000G	5N	20N
SL3323C	VM73 D-534113	50N	200	500N	2000G	5N	20N
SL3324C	VM73 D-534114	50N	100	500N	2000G	5N	20N
SL3325C	VM73 D-534115	50N	500	500N	2000G	5N	20N
SL3326C	VM73 D-534116	50N	500	500N	2000G	5N	20N
SL3327C	VM73 D-534117	50N	500	500N	2000G	5N	20N
SL3328C	VM73 D-534118	50N	150	500N	2000G	5N	20N
SL3329C	VM73 D-534119	50N	300	500N	2000G	5N	20N
SL3330C	VM73 D-534120	50N	300	500N	2000G	5N	20N
SL3331C	VM73 D-534121	50L	150	500N	2000G	5N	20N
SL3332C	VM73 D-534122	50N	200	500N	2000G	5N	20N
SL3333C	VM73 D-534123	50N	150	500N	2000G	5N	20N
SL3334C	VM73 D-534124	50N	200	500N	2000G	5N	20N
SL3335C	VM73 D-534125	50L	150	500N	2000G	5N	20N
SL3336C	VM73 D-534126	50N	5000	500N	2000G	5N	20N
SL3337C	VM73 D-534127	50N	3000	500N	2000G	5N	20N
SL3338C	VM73 D-534128	50N	150	500N	2000G	5N	20N
SL3339C	VM73 D-534129	50N	30	500N	2000	5N	20N
SL3340C	VM73 D-534130	ins	ins	ins	ins	ins	ins
SL3341C	VM73 D-534131	50N	500	500N	2000G	5N	20N
SL3342C	VM73 D-534132	50N	20	500N	1500	5N	20N
SL3343C	VM73 D-534133	200	200	500N	2000	5N	20N
SL3344C	VM73 D-534134	50N	200	500N	2000G	5N	20N
SL3345C	VM73 D-534135	50	200	500N	2000G	5N	20N
SL3346C	VN65 D-536772	150	150	500N	2000G	5N	20N
SL3347C	VN66 D-536773	50L	300	500N	2000G	5N	20N
SL3348C	no sample	ins	ins	ins	ins	ins	ins

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	W-ppm-S	Y-ppm-S	Zn-ppm-S	Zr-ppm-S	Pd-ppm-S	Pt-ppm-S
SL3349C	VN66 D-536774	100	700	500N	2000G	5N	20N
SL3350C	VN66 D-536775	300	200	500N	2000G	5N	20N
SL3351C	VN66 D-536776	50N	70	500N	2000	5N	20N
SL3352C	VN66 D-536777	50N	100	500N	2000G	5N	20N
SL3353C	VN66 D-536778	3000	70	500N	2000	5N	20N
SL3354C	VN66 D-536779	500	50	500N	2000	5N	20N
SL3355C	VN66 D-536780	150	70	500N	2000	5N	20N
SL3356C	VN66 D-536781	50N	20	500N	2000	5N	20N
SL3357C	VN66 D-536782	50N	100	500N	2000G	5N	20N
SL3358C	VN66 D-536783	50N	20	500N	300	5N	20N
SL3359C	VN66 D-536784	70	30	500N	700	5N	20N
SL3360C	VN66 D-536785	50L	50	500N	2000	5N	20N
SL3361C	VN66 D-536786	50L	50	500N	2000	5N	20N
SL3362C	VN66 D-536787	50	30	500N	1500	5N	20N
SL3363C	VN66 D-536788	70	100	500N	2000G	5N	20N
SL3364C	VN66 D-536789	50N	20	500N	2000G	5N	20N
SL3365C	VN66 D-536790	50N	50	500N	1500	5N	20N
SL3366C	VN66 D-536791	1500	100	500N	2000	5N	20N
SL3367C	VN66 D-536792	500	150	500N	1500	5N	20N
SL4501C	WB38 D-569043	50N	100	500N	2000G	5N	20N
SL4502C	WB38 D-569044	50N	200	500N	2000G	5N	20N
SL4503C	WB38 D-569045	50N	70	500N	2000G	5N	20N
SL4504C	WB38 D-569046	50N	100	500N	2000G	5N	20N
SL4505C	WB38 D-569047	50N	100	500N	2000G	5N	20N
SL4506C	WB38 D-569048	50N	200	500N	2000G	5N	20N
SL4507C	WB38 D-569049	50N	150	500N	2000G	5N	20N
SL4508C	WB38 D-569050	50L	150	500N	2000G	5N	20N
SL4509C	WB38 D-569051	100	50	500N	2000G	5N	20N
SL4510C	WB38 D-569052	50N	150	500N	2000G	5N	20N
SL4511C	WB38 D-569053	50N	100	500N	2000G	5N	20N
SL4512C	WB38 D-569054	50N	70	500N	2000G	5N	20N
SL4513C	WB38 D-569055	50N	150	1000	2000G	5N	20N
SL4514C	WB38 D-569056	50N	50	500L	2000G	5N	20N
SL4515C	WB38 D-569057	ins	ins	ins	ins	ins	ins
SL4516C	WB38 D-569058	50N	20L	500L	2000G	5N	20N
SL4517C	WB38 D-569059	50N	50	500N	2000G	5N	20N
SL4518C	WB38 D-569060	50N	50	500N	2000G	5N	20N
SL4519C	WB38 D-569061	ins	ins	ins	ins	ins	ins
SL4520C	WB38 D-569062	50N	500	500N	2000G	5N	20N
SL4521C	WB38 D-569063	50N	200	500N	2000G	5N	20N
SL4522C	WB38 D-569064	50N	200	500N	2000G	5N	20N
SL4523C	WB38 D-569065	50N	30	500N	2000G	5N	20N
SL4524C	WB38 D-569066	50N	150	1000	2000G	5N	20N
SL4525C	WB38 D-569067	50N	50	500N	2000G	5N	20N
SL4526C	WB38 D-569068	50N	100	500N	2000G	5N	20N
SL4527C	WB38 D-569069	50N	200	500N	2000G	5N	20N

Table 4. Geochemical data for heavy-mineral-concentrate samples from the Buckstock Mountains study area.

Sample #	USGS Lab #	W-ppm-S	Y-ppm-S	Zn-ppm-S	Zr-ppm-S	Pd-ppm-S	Pt-ppm-S
SL4528C	WB38 D-569070	50N	20	500	1500	5N	20N
SL4529C	WB38 D-569071	50N	30	500L	2000	5N	20N
SL4530C	WB38 D-569072	50N	100	500N	2000	5N	20N
SL4531C	WB39 D-569073	50N	70	500N	2000G	5N	20N
SL4532C	WB39 D-569074	50N	150	500N	2000G	5N	20N
SL4533C	WB39 D-569075	50N	200	500N	2000G	5N	20N
SL4534C	WB39 D-569076	50N	70	500N	2000G	5N	20N
SL4535C	WB39 D-569077	50	50	500N	2000G	5N	20N
SL4536C	WB39 D-569078	70	300	500N	2000G	5N	20N
SL4537C	WB39 D-569079	50N	300	500N	2000G	5N	20N
SL4538C	WB39 D-569080	50N	200	500N	2000G	5N	20N
SL4539C	WB39 D-569081	50N	20	500N	2000	5N	20N
SL4540C	WB39 D-569082	50N	30	500N	2000G	5N	20N
SL4541C	WB39 D-569083	50N	20	500N	2000G	5N	20N
SL4542C	WB39 D-569084	2000	150	500N	2000G	5N	20N
SL4543C	WB39 D-569085	50N	150	500N	2000G	5N	20N
SL4544C	WB39 D-569086	50N	200	500N	300	5N	20N
SL4545C	WB39 D-569087	200	200	500N	2000G	5N	20N
SL4546C	WB39 D-569088	150	200	500N	2000G	5N	20N
SL4547C	WB39 D-569089	500	300	500N	2000G	5N	20N
SL4548C	WB39 D-569090	500	200	500N	2000G	5N	20N
SL4549C	WB39 D-569091	100	200	500N	2000G	5N	20N
SL4550C	WB39 D-569092	50N	150	500N	2000G	5N	20N
SL4551C	WB39 D-569093	50N	100	500N	2000G	5N	20N
SL4552C	WB39 D-569094	50L	200	500N	2000G	5N	20N
SL4553C	WB39 D-569095	50N	30	500N	2000	5N	20N
SL4554C	WB39 D-569096	200	20	500N	2000G	5N	20N
SL4555C	WB39 D-569097	50N	70	500N	2000G	5N	20N
SL4556C	WB39 D-569098	50L	100	500N	2000G	5N	20N
SL4557C	WB39 D-569099	50N	200	500N	2000G	5N	20N
SL4558C	WB39 D-569100	50L	200	500N	2000G	5N	20N
SL4559C	WB39 D-569101	70	200	500N	2000G	5N	20N
SL4560C	WB39 D-569102	100	500	500N	2000G	5N	20N
SL4561C	WB39 D-569103	50N	150	500N	2000G	5N	20N

Table 5. Mineralogical data for heavy-mineral-concentrate samples collected from the Buckstock Mountains study area.

[Mineral abundances are: 0, not observed; 1, <1%; 2, 1-5%; 3, >5-20%; 4, >20-50%; 5, >50%]

Sample #	Latitude			Longitude			zircon	apatite	cassiterite	rutile	anatase	brookite	tourmaline
SL3001	61	42	11	-158	-58	-51	3	2	0	3	3	1	0
SL3002	61	40	0	-158	-57	-36	3	5	0	3	2	1	1
SL3003	61	38	11	-158	-56	-35	2	1	0	4	4	2	0
SL3004	61	38	6	-158	-56	-44	4	5	0	3	2	1	0
SL3005	61	38	9	-158	-57	-13	5	4	0	2	2	1	0
SL3006	61	36	3	-158	-51	-47	4	2	0	3	4	0	2
SL3007	61	36	6	-158	-50	-14	4	3	1	3	4	1	0
SL3008	61	38	17	-158	-51	-22	5	3	1	3	3	0	1
SL3009	61	36	19	-158	-29	-7	5	4	1	2	3	1	0
SL3010	61	38	7	-158	-36	-15	4	4	1	3	2	0	1
SL3011	61	35	50	-158	-36	-49	4	2	0	3	4	2	0
SL3012	61	35	46	-158	-36	-40	5	3	0	3	3	0	1
SL3013	61	35	38	-158	-38	-16	5	3	0	4	2	1	0
SL3014	61	34	39	-158	-41	-52	4	3	1	4	3	0	1
SL3015	61	37	54	-158	-45	-54	4	3	0	3	4	1	0
SL3016	61	40	26	-158	-37	-42	5	3	1	3	2	1	1
SL3017	61	43	26	-158	-42	-52	5	3	0	4	3	1	0
SL3018	61	30	54	-158	-47	-10	3	3	0	3	3	1	0
SL3019	61	30	58	-158	-43	-41	3	3	0	3	2	2	0
SL3020	61	25	50	-158	-42	-35	3	4	1	3	2	2	1
SL3021	61	24	34	-158	-42	-9	3	4	0	3	2	1	1
SL3022	61	24	14	-158	-42	-15	3	4	0	3	1	2	0
SL3023	61	20	0	-158	-39	-21	1	2	0	4	4	1	0
SL3024	61	18	57	-158	-39	-31	3	3	0	4	4	2	0
SL3025	61	18	57	-158	-38	-37	4	4	1	3	4	1	1
SL3026	61	18	6	-158	-48	-33	4	3	1	3	2	1	0
SL3027	61	13	36	-158	-46	-48	4	3	0	3	5	3	0
SL3028	61	13	56	-158	-45	-19	5	3	1	3	4	2	0
SL3029	61	15	35	-158	-37	-53	5	3	0	3	3	2	0
SL3030	61	10	8	-158	-44	-42	3	2	0	3	4	2	0
SL3031	61	11	50	-158	-42	-41	4	3	1	3	4	3	0
SL3032	61	12	22	-158	-35	-43	3	3	0	3	5	2	0
SL3033	61	12	13	-158	-35	-36	2	0	0	0	3	0	0
SL3034	61	11	50	-158	-33	-29	2	0	1	0	3	1	0
SL3035	61	9	45	-158	-37	-36	3	2	0	3	4	0	0
SL3036	61	8	21	-158	-33	-55	2	2	0	3	4	1	0
SL3037	61	6	35	-158	-37	-4	4	2	0	3	3	0	0
SL3038	61	5	49	-158	-32	-12	2	3	0	3	3	0	0
SL3039	61	4	28	-158	-33	-34	3	2	0	3	3	1	0
SL3040	61	3	8	-158	-35	-47	4	3	0	2	3	0	0
SL3041	61	2	13	-158	-32	-36	3	2	0	3	2	1	1
SL3042	61	3	21	-158	-28	-54	3	2	0	3	1	0	1
SL3043	61	3	51	-158	-38	-29	4	2	0	3	3	2	0
SL3044	61	1	52	-158	-41	-24	4	2	1	2	3	1	0
SL3045	61	1	57	-158	-49	-10	3	2	0	3	4	0	0
SL3046	61	1	47	-158	-48	-35	3	3	0	2	4	0	0

Table 5. Mineralogical data for heavy-mineral-concentrate samples collected from the Buckstock Mountains study area.

Sample #	Latitude			Longitude			zircon	apatite	cassiterite	rutile	anatase	brookite	tourmaline
SL3047	61	1	7	-158	-47	-13	4	4	1	2	3	0	0
SL3048	61	1	7	-158	-46	-2	4	3	0	1	3	1	0
SL3049	61	3	22	-158	-43	-52	3	2	0	1	3	0	0
SL3050	61	4	24	-158	-47	-53	3	2	0	2	2	0	0
SL3051	61	5	31	-158	-48	-57	3	2	0	3	1	0	0
SL3052	61	3	14	-158	-46	-54	3	2	0	3	2	0	1
SL3053	61	2	54	-158	-51	-22	2	1	0	3	2	2	0
SL3054	61	0	13	-158	-53	-13	4	1	0	2	2	0	1
SL3055	61	4	1	-158	-54	-2	3	4	0	2	3	1	0
SL3056	61	6	19	-158	-52	-3	2	3	0	3	4	1	0
SL3057	61	7	54	-158	-49	-45	3	2	0	3	3	1	1
SL3058	61	7	5	-158	-43	-58	2	2	0	3	4	1	0
SL3059	61	5	9	-158	-40	-9	5	3	0	2	2	1	1
SL3060	61	8	52	-158	-45	-12	2	3	1	4	4	2	1
SL3061	61	7	20	-158	-54	-12	2	1	0	4	5	1	0
SL3064	61	13	21	-158	-52	-35	4	3	0	3	3	2	1
SL3065	61	11	33	-158	-51	-45	4	4	0	2	2	2	0
SL3066	61	11	42	-158	-49	-31	3	2	0	3	4	0	1
SL3067	61	14	50	-158	-50	-2	2	2	1	3	4	2	0
SL3068	61	14	23	-158	-50	-1	4	3	1	3	4	0	1
SL3069	61	18	18	-158	-53	-32	5	3	1	2	2	1	0
SL3070	61	14	21	-158	-55	-40	3	2	0	3	4	0	2
SL3071	61	17	2	-158	-51	-47	4	3	0	2	4	0	1
SL3072	61	21	44	-158	-58	-34	4	3	1	2	4	1	1
SL3073	61	24	7	-158	-57	-33	ins	ins	ins	ins	ins	ins	ins
SL3074	61	22	3	-158	-49	-28	2	4	1	2	2	1	2
SL3075	61	22	14	-158	-47	-26	5	3	0	2	4	0	1
SL3076	61	24	3	-158	-47	-54	1	3	0	2	2	1	2
SL3077	61	29	45	-158	-42	-27	3	3	0	2	4	0	1
SL3078	61	27	23	-158	-54	-2	2	4	0	3	3	1	0
SL3079	61	23	10	-158	-27	-1	5	3	1	2	2	1	1
SL3080	61	24	1	-158	-28	-49	2	1	0	2	3	0	1
SL3081	61	26	21	-158	-27	-32	3	3	1	2	4	0	1
SL3082	61	27	19	-158	-20	-48	3	3	0	2	3	0	0
SL3083	61	27	38	-158	-22	-42	3	3	0	3	4	0	0
SL3084	61	26	2	-158	-25	-32	4	2	0	3	4	0	1
SL3085	61	22	1	-158	-18	-29	4	3	1	3	3	1	1
SL3086	61	23	10	-158	-19	-47	3	1	0	3	4	2	0
SL3087	61	24	54	-158	-19	-2	5	3	0	3	3	0	1
SL3088	61	25	1	-158	-17	-50	5	3	1	2	2	1	0
SL3089	61	25	19	-158	-15	-37	5	3	1	3	3	1	0
SL3090	61	8	41	-158	-28	-42	4	3	0	2	3	1	0
SL3091	61	6	12	-158	-30	-2	4	3	0	2	2	1	1
SL3092	61	6	53	-158	-26	-16	4	3	0	3	2	1	1
SL3093	61	7	52	-158	-26	-7	5	3	0	2	2	1	1
SL3094	61	11	54	-158	-31	-58	2	2	0	3	4	0	1

Table 5. Mineralogical data for heavy-mineral-concentrate samples collected from the Buckstock Mountains study area.

Sample #	Latitude			Longitude			zircon	apatite	cassiterite	rutile	anatase	brookite	tourmaline
SL3095	61	9	12	-158	-27	-16	4	2	0	3	4	0	0
SL3096	61	11	34	-158	-23	-11	4	3	0	2	3	0	1
SL3097	61	20	35	-158	-31	-8	3	3	1	3	4	1	1
SL3098	61	20	16	-158	-32	-14	4	3	0	3	4	2	1
SL3099	61	22	28	-158	-28	-54	3	3	1	3	3	2	1
SL3101	61	41	12	-158	-57	-51	3	4	1	3	4	0	1
SL3102	61	40	49	-158	-56	-54	3	3	1	4	3	1	1
SL3103	61	37	19	-158	-56	-52	2	3	1	3	2	0	1
SL3104	61	37	47	-158	-53	-34	3	3	0	3	3	0	0
SL3105	61	35	54	-158	-50	-55	3	2	1	3	4	0	1
SL3106	61	37	33	-158	-49	-2	4	4	1	3	4	1	1
SL3107	61	39	6	-158	-48	-12	3	3	1	3	4	0	0
SL3108	61	35	19	-158	-30	-22	4	4	2	3	4	1	1
SL3109	61	37	46	-158	-32	-47	3	2	1	2	4	0	1
SL3110	61	34	22	-158	-34	-49	4	3	0	2	4	1	0
SL3111	61	34	15	-158	-35	-27	4	4	1	3	3	0	0
SL3112	61	32	15	-158	-50	-45	5	3	1	3	3	0	0
SL3113	61	30	27	-158	-45	-5	4	3	0	2	3	1	0
SL3114	61	27	33	-158	-44	-28	3	4	0	4	2	0	1
SL3115	61	22	9	-158	-43	-15	3	4	0	4	1	0	1
SL3116	61	14	7	-158	-43	-46	4	3	2	4	3	1	1
SL3117	61	13	1	-158	-39	-25	2	3	0	2	5	0	0
SL3118	61	12	26	-158	-40	-18	1	3	0	3	5	1	1
SL3119	61	12	24	-158	-42	-29	4	3	1	3	4	1	0
SL3120	61	9	19	-158	-42	-41	2	1	1	3	4	0	1
SL3121	61	9	39	-158	-43	-31	3	3	0	2	4	3	0
SL3122	61	9	20	-158	-43	-28	1	3	1	2	4	0	0
SL3123	61	11	29	-158	-38	-7	1	3	1	0	0	0	0
SL3124	61	10	21	-158	-35	-16	2	2	0	0	2	0	0
SL3125	61	9	33	-158	-34	0	4	4	0	2	4	1	0
SL3126	61	7	2	-158	-33	-27	5	3	0	1	3	0	0
SL3127	61	6	43	-158	-33	-6	5	3	0	3	3	0	0
SL3128	61	4	28	-158	-35	-23	4	4	1	3	3	0	0
SL3129	61	4	3	-158	-37	-13	4	3	0	2	4	0	0
SL3130	61	3	52	-158	-30	-19	2	0	0	2	2	0	1
SL3131	61	2	23	-158	-31	-12	3	3	0	2	3	0	0
SL3132	61	1	39	-158	-37	-55	5	3	0	2	4	1	0
SL3133	61	1	53	-158	-51	-52	5	2	0	2	3	0	0
SL3134	61	1	7	-158	-46	-54	3	3	0	2	4	0	0
SL3135	61	2	24	-158	-44	-48	3	3	0	2	4	0	0
SL3136	61	4	34	-158	-42	-2	2	4	0	2	4	0	0
SL3137	61	5	51	-158	-45	-30	3	2	0	1	3	0	0
SL3138	61	4	50	-158	-51	-45	2	3	0	3	5	0	0
SL3139	61	3	15	-158	-49	-58	2	3	0	1	3	0	0
SL3140	61	0	4	-158	-53	-14	3	3	0	3	3	0	0
SL3141	61	2	9	-158	-56	-1	3	4	0	3	3	1	0

Table 5. Mineralogical data for heavy-mineral-concentrate samples collected from the Buckstock Mountains study area.

Sample #	Latitude			Longitude			zircon	apatite	cassiterite	rutile	anatase	brookite	tourmaline
SL3142	61	6	19	-158	-52	-59	3	4	0	3	3	1	0
SL3143	61	7	29	-158	-47	-33	2	4	0	4	3	0	0
SL3144	61	6	39	-158	-43	-53	4	3	0	2	4	1	0
SL3145	61	6	48	-158	-40	-13	3	3	0	3	4	1	0
SL3146	61	9	27	-158	-47	-37	1	3	0	3	4	2	0
SL3147	61	8	38	-158	-51	-34	2	3	0	3	4	2	0
SL3148	61	7	40	-158	-57	-30	3	3	0	3	4	3	0
SL3149	61	20	18	-158	-51	-52	3	3	0	3	3	2	1
SL3150	61	23	29	-158	-58	-36	5	3	0	3	3	0	0
SL3151	61	23	55	-158	-55	-14	3	3	0	3	3	1	2
SL3152	61	21	24	-158	-48	-22	0	0	0	0	0	0	0
SL3153	61	25	19	-158	-47	-22	0	0	0	0	0	0	0
SL3154	61	28	30	-158	-44	-50	0	0	0	0	0	0	0
SL3155	61	28	40	-158	-51	-17	0	0	0	0	0	0	0
SL3156	61	23	26	-158	-26	-28	0	0	0	0	0	0	0
SL3157	61	24	12	-158	-28	-27	0	0	0	0	0	0	0
SL3158	61	25	26	-158	-28	-25	0	0	0	0	0	0	0
SL3159	61	27	10	-158	-21	-16	0	0	0	0	0	0	0
SL3160	61	27	21	-158	-22	-21	0	0	0	0	0	0	0
SL3161	61	27	50	-158	-23	-36	0	0	0	0	0	0	0
SL3200	61	34	12	-158	-34	-45	4	3	3	3	3	1	0
SL3201	61	34	43	-158	-35	-30	4	3	1	3	2	1	0
SL3202	61	33	25	-158	-39	-11	4	3	0	4	3	1	0
SL3203	61	34	14	-158	-46	-13	4	2	0	4	4	0	1
SL3204	61	37	35	-158	-42	-4	4	3	0	3	4	1	0
SL3205	61	38	10	-158	-43	0	4	3	0	3	3	0	0
SL3206	61	31	7	-158	-47	-54	2	3	0	2	4	0	0
SL3207	61	30	10	-158	-39	-4	2	3	0	2	5	0	0
SL3208	61	27	51	-158	-40	-26	1	3	0	4	3	1	1
SL3209	61	24	38	-158	-38	-24	1	1	0	3	4	1	0
SL3210	61	24	23	-158	-38	-24	2	3	0	3	3	0	0
SL3211	61	20	16	-158	-39	-40	1	2	0	3	3	1	0
SL3212	61	18	9	-158	-40	-16	3	3	0	3	4	1	0
SL3213	61	17	1	-158	-43	-55	1	3	0	3	5	1	0
SL3214	61	17	43	-158	-47	-19	1	3	0	2	2	1	0
SL3215	61	14	33	-158	-34	-47	1	3	0	3	4	0	1
SL3216	61	12	38	-158	-41	-8	2	4	0	3	4	1	0
SL3217	61	10	50	-158	-41	-39	1	3	0	3	2	0	0
SL3218	61	11	32	-158	-39	-47	ins	ins	ins	ins	ins	ins	ins
SL3219	61	9	26	-158	-39	-8	2	2	0	3	4	1	0
SL3220	61	9	5	-158	-34	-13	3	3	0	3	3	0	0
SL3221	61	8	56	-158	-33	-48	3	2	0	3	3	0	0
SL3222	61	6	47	-158	-32	-57	3	3	0	3	2	1	0
SL3223	61	4	31	-158	-35	-9	3	2	0	3	2	0	0
SL3224	61	4	14	-158	-37	-16	3	2	0	3	2	0	0
SL3225	61	2	59	-158	-30	-34	2	1	0	3	3	0	0

Table 5. Mineralogical data for heavy-mineral-concentrate samples collected from the Buckstock Mountains study area.

Sample #	Latitude			Longitude			zircon	apatite	cassiterite	rutile	anatase	brookite	tourmaline
SL3226	61	2	19	-158	-31	-12	3	1	0	3	3	0	0
SL3227	61	2	27	-158	-39	-3	4	2	0	2	3	1	0
SL3228	61	0	44	-158	-38	-55	3	2	0	3	4	1	0
SL3229	61	1	14	-158	-50	-23	3	2	0	2	3	1	0
SL3230	61	1	29	-158	-47	-58	5	2	0	3	4	1	0
SL3231	61	1	0	-158	-47	-11	3	2	0	3	4	0	0
SL3232	61	3	11	-158	-43	-14	2	2	0	4	4	0	0
SL3233	61	3	28	-158	-42	-41	1	0	0	2	2	0	0
SL3234	61	4	34	-158	-49	-41	1	1	0	4	4	1	0
SL3235	61	4	28	-158	-50	-16	2	1	0	3	4	1	0
SL3236	61	2	29	-158	-48	-4	1	1	0	4	3	1	0
SL3237	61	2	16	-158	-50	-32	2	1	0	4	3	1	0
SL3238	61	7	20	-158	-51	-30	2	1	0	3	4	0	0
SL3239	61	7	14	-158	-42	-50	2	0	0	3	4	0	0
SL3240	61	6	47	-158	-42	-6	2	1	0	3	3	0	0
SL3241	61	12	42	-158	-54	-39	3	3	0	3	3	1	0
SL3242	61	11	58	-158	-51	-34	2	3	0	3	4	1	1
SL3243	61	12	13	-158	-49	-7	4	3	1	4	4	0	0
SL3244	61	13	25	-158	-50	-42	2	2	0	4	4	1	0
SL3245	61	15	31	-158	-54	-6	4	3	0	3	4	1	0
SL3246	61	16	55	-158	-57	-56	2	2	0	3	3	0	1
SL3247	61	22	50	-158	-18	-23	3	2	0	4	4	2	0
SL3248	61	21	57	-158	-20	-28	3	2	0	3	4	2	0
SL3249	61	23	41	-158	-20	-25	3	3	0	3	4	2	0
SL3250	61	24	36	-158	-17	-17	4	3	0	3	3	2	0
SL3251	61	25	22	-158	-16	-18	4	4	0	4	3	0	0
SL3252	61	8	17	-158	-28	-24	3	4	0	3	3	1	0
SL3253	61	7	55	-158	-29	-27	4	4	0	3	2	0	0
SL3254	61	6	58	-158	-25	-22	4	2	0	3	2	1	1
SL3255	61	7	13	-158	-25	-53	4	2	0	3	3	1	1
SL3256	61	12	1	-158	-31	-21	3	3	0	3	3	0	0
SL3257	61	10	13	-158	-29	-52	3	2	1	3	3	0	0
SL3258	61	20	47	-158	-31	-35	5	3	0	3	4	2	0
SL3259	61	20	33	-158	-30	-59	5	4	0	2	3	1	0
SL3260	61	21	15	-158	-30	-47	3	3	1	3	4	3	1
SL3261	61	22	30	-158	-31	-7	3	3	1	3	4	2	0
SL3262	61	21	26	-158	-34	-32	2	3	0	4	4	2	0
SL3263	61	23	15	-158	-33	-1	3	3	0	3	3	2	1
SL3264	61	17	19	-158	-32	-14	3	3	0	4	4	2	0
SL3265	61	16	55	-158	-34	-17	3	3	0	4	4	2	0
SL3266	61	16	44	-158	-27	-15	2	3	0	3	4	2	1
SL3267	61	17	52	-158	-24	-44	2	3	0	3	4	2	1
SL3268	61	19	0	-158	-23	-40	3	3	0	3	4	2	1
SL3269	61	18	39	-158	-20	-56	1	3	1	3	4	1	1
SL3301	61	33	33	-158	-41	-40	4	3	0	3	4	1	0
SL3302	61	37	17	-158	-44	-50	4	3	1	3	4	1	0

Table 5. Mineralogical data for heavy-mineral-concentrate samples collected from the Buckstock Mountains study area.

Sample #	Latitude			Longitude			zircon	apatite	cassiterite	rutile	anatase	brookite	tourmaline
SL3303	61	41	2	-158	-43	-3	4	2	0	3	4	1	0
SL3304	61	27	55	-158	-44	-45	5	4	0	3	3	1	0
SL3305	61	22	35	-158	-43	-34	5	4	0	1	3	1	0
SL3306	61	24	58	-158	-44	-6	4	4	0	3	3	1	0
SL3307	61	19	0	-158	-43	-6	3	4	0	3	3	1	0
SL3308	61	18	57	-158	-42	-17	5	3	1	2	3	1	1
SL3309	61	16	14	-158	-46	-5	3	4	0	3	3	0	0
SL3310	61	16	45	-158	-50	-32	3	4	0	3	4	0	0
SL3311	61	15	19	-158	-44	-21	3	3	1	2	4	0	0
SL3312	61	14	12	-158	-41	-40	4	3	0	3	4	2	0
SL3313	61	14	30	-158	-37	-5	5	3	1	3	4	1	0
SL3314	61	14	37	-158	-34	-24	4	3	0	3	4	2	0
SL3315	61	12	46	-158	-41	-13	4	3	0	3	4	2	0
SL3316	61	10	58	-158	-41	-51	3	3	0	3	4	2	0
SL3317	61	11	32	-158	-39	-25	4	3	0	3	3	0	0
SL3318	61	10	18	-158	-39	-21	2	2	0	3	5	1	0
SL3319	61	9	58	-158	-37	-50	4	2	0	3	3	1	0
SL3320	61	8	55	-158	-40	-36	1	2	0	3	4	1	0
SL3321	61	8	7	-158	-33	-30	4	2	0	4	4	1	0
SL3322	61	8	10	-158	-33	-7	4	4	0	4	3	1	0
SL3323	61	5	22	-158	-32	-32	4	4	0	3	3	2	0
SL3324	61	3	45	-158	-33	-23	2	3	0	4	4	2	0
SL3325	61	1	29	-158	-33	-6	4	3	0	3	4	2	0
SL3326	61	2	2	-158	-32	-36	4	3	0	3	4	2	0
SL3327	61	2	1	-158	-37	-16	4	3	0	3	4	1	0
SL3328	61	1	36	-158	-41	-2	4	2	0	3	3	1	0
SL3329	61	1	60	-158	-50	-8	5	3	0	2	3	1	0
SL3330	61	1	3	-158	-47	-4	4	2	0	3	3	1	0
SL3331	61	4	27	-158	-41	-47	3	3	0	3	3	1	0
SL3332	61	5	31	-158	-43	-31	2	1	0	3	4	1	0
SL3333	61	5	47	-158	-45	-33	3	2	0	3	4	1	0
SL3334	61	3	50	-158	-49	-46	4	2	0	2	3	1	0
SL3335	61	2	23	-158	-52	-59	4	1	0	3	3	2	0
SL3336	61	1	9	-158	-57	-50	5	5	0	1	1	0	0
SL3337	61	2	26	-158	-57	-18	4	5	0	1	1	0	2
SL3338	61	5	54	-158	-57	-29	3	3	0	3	3	0	0
SL3339	61	6	53	-158	-50	-49	2	3	0	3	3	2	0
SL3340	61	7	4	-158	-42	-43	2	1	0	3	4	2	0
SL3341	61	6	17	-158	-41	-49	5	4	0	3	3	0	0
SL3342	61	7	38	-158	-46	-51	3	4	0	2	3	2	0
SL3343	61	9	3	-158	-49	-33	2	3	0	3	5	2	0
SL3344	61	11	24	-158	-54	-17	4	3	0	3	3	2	0
SL3345	61	9	34	-158	-56	-10	3	3	0	3	3	1	0
SL3346	61	19	41	-158	-52	-28	4	3	0	3	4	1	0
SL3347	61	21	7	-158	-55	-4	4	4	0	3	3	2	0
SL3348	61	23	6	-158	-52	-35	ins	ins	ins	ins	ins	ins	ins

Table 5. Mineralogical data for heavy-mineral-concentrate samples collected from the Buckstock Mountains study area.

Sample #	Latitude			Longitude			zircon	apatite	cassiterite	rutile	anatase	brookite	tourmaline
SL3349	61	21	43	-158	-48	-11	5	4	0	2	1	0	0
SL3350	61	23	58	-158	-48	-48	4	5	0	2	4	2	2
SL3351	61	27	33	-158	-46	-16	3	3	0	3	4	1	1
SL3352	61	28	24	-158	-51	-18	4	3	0	3	3	0	0
SL3353	61	23	1	-158	-26	-13	3	2	0	3	3	0	0
SL3354	61	24	6	-158	-27	-49	3	2	0	3	3	1	0
SL3355	61	25	21	-158	-28	-28	2	1	0	3	4	0	0
SL3356	61	27	34	-158	-21	-40	3	3	0	3	2	0	0
SL3357	61	27	8	-158	-20	-16	5	4	0	2	1	0	0
SL3358	61	27	51	-158	-23	-39	1	1	0	2	1	0	0
SL3359	61	22	17	-158	-32	-41	3	3	0	3	3	1	0
SL3360	61	21	1	-158	-35	-59	3	3	0	3	3	2	1
SL3361	61	24	50	-158	-32	-2	4	2	0	2	3	2	0
SL3362	61	16	46	-158	-33	-20	3	2	0	3	5	1	1
SL3363	61	15	56	-158	-36	-30	3	3	0	3	4	1	1
SL3364	61	16	58	-158	-23	-44	3	3	0	3	3	1	1
SL3365	61	17	4	-158	-20	-58	3	3	0	3	4	1	0
SL3366	61	19	54	-158	-22	-12	3	3	0	3	3	1	0
SL3367	61	24	43	-158	-22	-32	3	3	0	3	4	3	0
SL4501	61	1	17	-158	-25	-40	3	3	2	3	3	0	0
SL4502	61	1	21	-158	-25	-44	4	3	1	3	3	1	0
SL4503	61	2	10	-158	-24	-34	3	3	1	3	3	1	0
SL4504	61	2	4	-158	-24	-28	5	3	0	3	3	1	0
SL4505	61	2	12	-158	-22	-27	3	3	0	2	3	0	0
SL4506	61	2	4	-158	-22	-28	3	2	0	3	3	0	0
SL4507	61	12	27	-158	-28	-59	4	3	0	4	3	0	0
SL4508	61	12	28	-158	-29	-8	4	3	1	4	3	2	0
SL4509	61	12	45	-158	-30	-49	3	3	0	3	3	1	0
SL4510	61	11	23	-158	-28	-8	5	3	0	3	3	0	0
SL4511	61	13	37	-158	-29	-12	2	1	0	4	4	2	0
SL4512	61	13	36	-158	-29	-20	3	2	0	4	3	1	0
SL4513	61	3	39	-158	-24	-40	4	3	1	3	4	1	0
SL4514	61	3	41	-158	-24	-35	3	1	0	2	3	0	0
SL4515	61	3	40	-158	-19	-2	4	1	0	2	3	0	0
SL4516	61	3	43	-158	-19	-10	2	2	0	2	4	1	1
SL4517	61	0	39	-158	-21	-20	4	2	0	3	3	0	0
SL4518	61	0	36	-158	-21	-24	4	3	0	3	3	1	0
SL4519	61	0	18	-158	-18	-11	3	0	1	3	2	0	0
SL4520	61	1	55	-158	-17	-33	3	2	1	3	4	1	0
SL4521	61	1	59	-158	-17	-44	3	2	0	3	5	1	0
SL4522	61	2	58	-158	-16	-44	2	2	1	2	4	0	0
SL4523	61	3	43	-158	-19	-38	2	2	0	3	4	0	1
SL4524	61	1	46	-158	-21	-6	3	1	1	2	3	0	0
SL4525	61	11	2	-158	-19	-58	4	3	0	3	3	0	0
SL4526	61	9	54	-158	-19	-13	3	2	0	3	4	1	1
SL4527	61	7	44	-158	-17	-2	2	1	0	2	3	1	1

Table 5. Mineralogical data for heavy-mineral-concentrate samples collected from the Buckstock Mountains study area.

Sample #	Latitude			Longitude			zircon	apatite	cassiterite	rutile	anatase	brookite	tourmaline
SL4528	61	7	38	-158	-17	-9	2	1	0	3	3	1	0
SL4529	61	6	21	-158	-17	-11	2	1	0	3	3	1	0
SL4530	61	6	22	-158	-17	-24	2	1	0	3	3	1	0
SL4531	61	8	34	-158	-23	-51	4	3	0	3	3	2	1
SL4532	61	7	33	-158	-18	-47	4	2	1	3	3	1	1
SL4533	61	9	22	-158	-21	-28	5	2	0	3	3	1	0
SL4534	61	7	29	-158	-18	-16	4	2	1	3	3	0	0
SL4535	61	10	5	-158	-24	-39	3	1	0	3	3	0	0
SL4536	61	14	10	-158	-22	-40	5	4	0	3	3	0	0
SL4537	61	13	46	-158	-20	-40	4	3	1	3	3	1	1
SL4538	61	13	31	-158	-17	-33	4	2	0	3	3	2	1
SL4539	61	13	28	-158	-27	-28	2	2	0	3	4	0	1
SL4540	61	13	29	-158	-27	-35	3	3	1	4	4	2	1
SL4541	61	2	41	-158	-23	-29	3	2	1	3	4	0	1
SL4542	61	2	35	-158	-12	-46	3	2	1	2	3	0	1
SL4543	61	2	33	-158	-12	-51	3	2	1	2	3	0	0
SL4544	61	4	32	-158	-11	-50	3	2	1	2	4	1	0
SL4545	61	25	28	-158	-23	-53	3	3	0	3	4	0	0
SL4546	61	24	12	-158	-23	-23	4	3	0	3	3	2	1
SL4547	61	24	54	-158	-25	-44	3	2	0	3	3	1	0
SL4548	61	24	25	-158	-24	-53	4	2	0	3	4	0	0
SL4549	61	26	42	-158	-28	-14	4	3	1	3	3	2	1
SL4550	61	14	14	-158	-26	-44	3	3	0	3	3	0	0
SL4551	61	14	5	-158	-25	-45	4	3	1	3	3	1	1
SL4552	61	14	55	-158	-24	-17	3	2	1	3	4	1	1
SL4553	61	23	22	-158	-36	-12	3	3	1	3	3	0	0
SL4554	61	24	42	-158	-36	-60	3	2	1	3	3	0	0
SL4555	61	24	39	-158	-37	-4	3	3	0	2	4	0	0
SL4556	61	25	25	-158	-38	-17	4	3	1	3	3	1	0
SL4557	61	27	0	-158	-37	-25	5	2	1	2	3	1	1
SL4558	61	27	3	-158	-35	-1	5	3	1	2	3	0	1
SL4559	61	26	32	-158	-31	-46	3	3	1	3	4	0	0
SL4560	61	25	9	-158	-32	-7	4	3	0	3	3	1	0
SL4561	61	28	18	-158	-27	-2	4	3	0	3	3	0	0

Table 5. Mineralogical data for heavy-mineral-concentrate samples collected from the Buckstock Mountains study area.

Sample #	pyroxene	amphibole	sphene	garnet	pyrite	cinnabar	chalcopyrite	stibnite	gold	arsenopyrite
SL3001	3	1	0	1	1	0	0	0	0	0
SL3002	0	1	1	0	0	0	0	0	0	0
SL3003	3	0	1	1	0	0	0	0	0	0
SL3004	1	0	1	0	0	1	0	0	1	0
SL3005	0	1	1	0	0	0	0	0	0	0
SL3006	2	0	1	1	0	1	0	0	0	0
SL3007	2	0	1	1	0	1	0	0	0	0
SL3008	2	1	0	0	1	1	0	0	0	0
SL3009	2	1	1	1	0	1	0	0	0	0
SL3010	0	1	1	0	0	1	0	0	0	0
SL3011	1	0	1	1	0	0	0	0	0	0
SL3012	0	1	1	1	2	0	0	0	0	0
SL3013	0	1	1	3	0	0	0	0	0	0
SL3014	1	1	0	0	1	0	0	0	0	0
SL3015	2	0	1	1	1	1	0	0	0	0
SL3016	1	1	0	2	0	0	0	0	0	0
SL3017	1	0	1	2	0	0	0	0	0	0
SL3018	3	1	1	1	0	0	0	0	0	0
SL3019	2	1	1	0	0	0	0	0	0	0
SL3020	1	1	0	1	0	0	0	0	0	0
SL3021	1	0	0	1	0	0	0	0	0	0
SL3022	1	0	0	0	0	1	0	0	0	0
SL3023	2	1	0	0	0	0	0	0	0	0
SL3024	0	0	0	0	1	0	0	0	0	0
SL3025	1	0	0	0	0	0	0	0	0	0
SL3026	2	0	0	0	0	0	0	0	0	0
SL3027	0	0	0	0	0	0	0	0	0	0
SL3028	1	0	0	0	0	0	0	0	0	0
SL3029	0	0	1	0	0	0	0	0	0	0
SL3030	0	0	1	0	0	0	0	0	0	0
SL3031	1	0	0	0	0	0	0	0	0	0
SL3032	0	0	1	0	1	0	0	0	0	0
SL3033	0	0	0	0	1	0	0	0	0	0
SL3034	1	0	0	1	0	0	0	0	0	0
SL3035	3	0	0	0	0	0	0	0	0	0
SL3036	3	0	1	0	0	0	0	0	0	0
SL3037	2	0	1	0	0	0	0	0	0	0
SL3038	2	0	0	0	0	0	0	0	0	0
SL3039	3	0	0	0	0	0	0	0	0	0
SL3040	2	0	0	1	0	0	0	0	0	0
SL3041	4	1	0	1	1	0	0	0	0	0
SL3042	3	1	0	1	3	0	0	0	0	0
SL3043	3	1	2	0	0	0	0	0	0	0
SL3044	5	1	2	0	0	1	0	0	0	0
SL3045	4	0	2	0	0	0	0	0	0	0
SL3046	4	1	2	0	0	0	0	0	0	0

Table 5. Mineralogical data for heavy-mineral-concentrate samples collected from the Buckstock Mountains study area.

Sample #	pyroxene	amphibole	sphene	garnet	pyrite	cinnabar	chalcopyrite	stibnite	gold	arsenopyrite
SL3047	1	0	1	0	0	0	0	0	0	0
SL3048	4	1	0	0	0	1	0	0	0	0
SL3049	5	1	0	1	1	0	0	0	0	0
SL3050	4	0	0	0	1	1	0	0	0	0
SL3051	5	0	0	0	1	0	0	0	0	0
SL3052	5	0	0	0	2	0	0	0	0	0
SL3053	5	0	0	0	0	0	0	0	0	0
SL3054	5	1	0	0	0	1	0	1	0	0
SL3055	4	0	0	0	0	0	0	0	0	0
SL3056	3	0	0	0	0	0	0	0	0	0
SL3057	4	0	0	0	0	0	0	0	0	0
SL3058	5	1	0	0	1	0	0	0	0	0
SL3059	4	1	0	0	1	0	0	0	0	0
SL3060	2	0	0	0	0	0	0	0	0	0
SL3061	3	0	0	0	0	1	0	0	0	0
SL3064	1	0	1	0	0	0	0	0	0	0
SL3065	1	0	2	0	0	0	0	0	0	0
SL3066	1	0	0	0	0	0	0	0	0	0
SL3067	2	0	1	0	0	0	0	0	0	0
SL3068	3	0	0	0	0	0	0	0	0	0
SL3069	1	0	1	0	0	0	0	0	0	0
SL3070	4	0	0	0	0	0	0	0	0	0
SL3071	5	2	1	0	0	2	0	0	1	0
SL3072	3	3	1	0	0	0	0	0	0	0
SL3073	ins	ins	ins	ins	ins	ins	ins	ins	ins	ins
SL3074	2	0	1	0	0	0	0	0	0	0
SL3075	3	1	0	0	0	1	0	0	0	0
SL3076	4	0	0	0	0	1	0	0	0	0
SL3077	5	0	0	0	0	0	0	0	0	0
SL3078	2	0	0	1	0	1	0	0	0	0
SL3079	1	0	1	1	0	0	0	0	0	0
SL3080	5	0	0	0	0	0	0	0	0	0
SL3081	2	0	0	0	3	0	0	0	1	0
SL3082	4	0	0	0	3	0	0	0	0	0
SL3083	4	0	0	1	0	0	0	0	0	0
SL3084	4	0	0	0	0	0	0	0	0	0
SL3085	2	0	1	0	0	0	0	0	0	0
SL3086	2	0	0	0	0	0	0	0	0	0
SL3087	3	1	0	0	0	0	0	0	0	0
SL3088	1	0	1	1	0	0	0	0	0	0
SL3089	0	0	1	1	1	1	0	0	0	0
SL3090	3	0	0	1	1	1	0	0	0	0
SL3091	1	0	0	1	1	1	0	0	0	0
SL3092	3	1	0	1	0	0	1	0	0	0
SL3093	2	1	0	1	0	1	0	0	0	0
SL3094	3	1	1	0	0	0	0	0	0	0

Table 5. Mineralogical data for heavy-mineral-concentrate samples collected from the Buckstock Mountains study area.

Sample #	pyroxene	amphibole	sphene	garnet	pyrite	cinnabar	chalcopyrite	stibnite	gold	arsenopyrite
SL3095	2	0	0	0	3	0	1	0	0	1
SL3096	2	0	0	1	0	0	0	0	0	0
SL3097	1	0	0	0	0	0	0	0	0	0
SL3098	1	0	2	0	0	0	0	0	0	0
SL3099	1	0	1	0	0	0	0	0	0	0
SL3101	3	1	0	0	0	1	0	0	1	0
SL3102	3	1	0	2	0	0	0	0	0	0
SL3103	3	0	0	0	1	0	0	0	0	0
SL3104	3	0	0	0	0	0	0	0	0	0
SL3105	4	0	0	1	0	0	0	0	0	0
SL3106	2	1	1	1	0	1	0	0	0	0
SL3107	3	1	1	1	0	0	0	0	0	0
SL3108	2	1	1	1	0	1	0	0	0	0
SL3109	3	0	1	0	0	0	0	0	0	0
SL3110	3	1	1	1	0	1	0	0	0	0
SL3111	3	0	0	1	0	1	0	0	0	0
SL3112	3	0	0	0	0	1	0	0	0	0
SL3113	4	1	0	0	0	0	0	0	0	0
SL3114	2	2	0	0	0	0	0	0	0	0
SL3115	3	1	1	0	0	0	0	0	0	0
SL3116	2	1	0	0	0	0	0	0	0	0
SL3117	1	1	0	0	2	0	0	0	0	0
SL3118	0	0	0	0	0	0	0	0	0	0
SL3119	3	0	0	0	0	0	0	0	0	0
SL3120	2	0	0	1	1	0	0	0	0	0
SL3121	2	0	0	0	0	0	0	0	0	0
SL3122	3	1	0	0	0	0	0	0	0	0
SL3123	0	0	0	0	0	0	0	0	0	0
SL3124	2	0	1	0	0	0	0	0	0	0
SL3125	1	0	1	0	0	0	0	0	0	0
SL3126	1	0	0	1	0	0	0	0	0	0
SL3127	1	1	1	0	0	0	0	0	0	0
SL3128	1	0	1	1	0	0	0	0	0	0
SL3129	3	0	1	0	0	0	0	0	0	0
SL3130	1	0	0	0	0	0	0	0	0	0
SL3131	2	0	0	1	0	0	0	0	0	0
SL3132	1	0	0	0	0	0	0	0	0	0
SL3133	3	0	0	0	0	1	0	0	0	0
SL3134	1	1	0	0	0	0	0	0	0	0
SL3135	1	0	0	0	0	0	0	0	0	0
SL3136	3	0	0	0	1	0	0	0	0	0
SL3137	5	0	0	0	0	0	0	0	0	0
SL3138	2	1	0	0	0	0	0	0	0	0
SL3139	5	0	0	0	0	0	0	0	0	0
SL3140	3	0	0	0	0	1	0	0	0	0
SL3141	3	0	1	0	0	0	0	0	0	0

Table 5. Mineralogical data for heavy-mineral-concentrate samples collected from the Buckstock Mountains study area.

Sample #	pyroxene	amphibole	sphene	garnet	pyrite	cinnabar	chalcopyrite	stibnite	gold	arsenopyrite
SL3142	3	0	0	0	0	0	0	0	0	0
SL3143	3	0	0	0	0	0	0	0	0	0
SL3144	3	0	1	0	2	0	0	0	0	0
SL3145	3	0	1	1	1	0	0	0	0	0
SL3146	3	0	0	0	0	0	0	0	0	0
SL3147	0	0	1	0	0	0	0	0	0	0
SL3148	2	0	0	0	0	0	0	0	0	0
SL3149	2	1	0	1	1	0	0	0	0	0
SL3150	2	0	0	1	0	0	0	0	0	0
SL3151	3	1	1	0	0	0	0	0	0	0
SL3152	0	0	0	0	0	0	0	0	0	0
SL3153	0	0	0	0	0	0	0	0	0	0
SL3154	0	0	0	0	0	0	0	0	0	0
SL3155	0	0	0	0	0	0	0	0	0	0
SL3156	0	0	0	0	0	0	0	0	0	0
SL3157	0	0	0	0	0	0	0	0	0	0
SL3158	0	0	0	0	0	0	0	0	0	0
SL3159	0	0	0	0	0	0	0	0	0	0
SL3160	0	0	0	0	0	0	0	0	0	0
SL3161	0	0	0	0	0	0	0	0	0	0
SL3200	1	0	1	1	0	0	0	0	0	0
SL3201	2	0	0	1	0	0	0	0	0	0
SL3202	3	0	1	1	0	0	0	0	0	0
SL3203	3	0	1	2	0	0	0	0	0	0
SL3204	3	0	0	1	1	0	0	0	0	0
SL3205	4	0	0	1	0	1	0	0	0	0
SL3206	3	0	0	0	0	0	0	0	0	0
SL3207	3	1	0	0	0	0	0	0	0	0
SL3208	1	0	0	0	0	1	0	0	0	0
SL3209	5	1	1	0	0	0	0	0	0	0
SL3210	3	0	0	0	0	0	0	0	0	0
SL3211	4	0	0	0	0	0	0	0	0	0
SL3212	3	1	0	0	0	0	0	0	0	0
SL3213	2	0	0	1	0	0	0	0	0	0
SL3214	2	0	0	0	0	0	0	0	0	0
SL3215	2	0	0	0	0	0	0	0	0	0
SL3216	1	0	0	0	0	0	0	0	0	0
SL3217	1	0	0	0	0	0	0	0	0	0
SL3218	ins	ins	ins	ins	ins	ins	ins	ins	ins	ins
SL3219	4	0	0	0	1	0	0	0	0	0
SL3220	3	0	0	0	0	0	0	0	0	0
SL3221	3	0	0	0	3	0	0	0	0	1
SL3222	2	0	0	0	0	0	0	0	0	0
SL3223	2	0	0	0	0	0	0	0	0	0
SL3224	4	0	0	0	0	0	0	0	0	0
SL3225	3	0	0	1	1	0	0	0	0	0

Table 5. Mineralogical data for heavy-mineral-concentrate samples collected from the Buckstock Mountains study area.

Sample #	pyroxene	amphibole	sphene	garnet	pyrite	cinnabar	chalcopyrite	stibnite	gold	arsenopyrite
SL3226	3	0	0	0	2	0	0	0	0	0
SL3227	5	0	1	0	0	0	0	0	0	0
SL3228	4	0	0	0	1	1	0	0	0	0
SL3229	5	0	0	1	1	1	0	0	0	0
SL3230	2	0	1	0	0	0	0	0	0	0
SL3231	5	0	0	0	0	0	0	0	0	0
SL3232	2	0	0	0	2	0	0	0	0	0
SL3233	4	0	0	0	1	0	0	0	0	0
SL3234	4	0	0	0	1	0	0	0	0	0
SL3235	5	0	0	0	0	0	0	0	0	0
SL3236	4	0	0	0	0	0	0	0	0	0
SL3237	4	0	0	0	0	0	0	0	0	0
SL3238	3	0	0	0	0	0	0	1	0	0
SL3239	4	0	0	0	1	0	0	0	0	0
SL3240	3	0	0	0	0	0	0	0	0	0
SL3241	3	1	0	1	0	0	0	0	0	0
SL3242	2	0	0	1	0	0	0	0	0	0
SL3243	0	0	0	0	0	0	0	0	0	0
SL3244	2	0	0	0	0	0	0	0	0	0
SL3245	1	0	1	0	0	0	0	0	0	0
SL3246	3	0	1	0	0	0	0	0	0	0
SL3247	1	0	1	1	0	0	0	0	0	0
SL3248	1	0	0	0	0	0	0	0	0	0
SL3249	0	0	1	0	0	0	0	0	0	0
SL3250	1	0	1	0	0	0	0	0	0	0
SL3251	0	0	0	0	0	0	0	0	0	0
SL3252	1	0	0	1	1	0	0	0	0	1
SL3253	0	0	0	0	0	1	0	0	0	0
SL3254	1	1	1	1	0	0	0	0	0	0
SL3255	1	1	0	1	0	0	0	0	0	0
SL3256	1	0	0	0	0	0	0	0	0	0
SL3257	1	0	0	0	0	0	0	1	0	0
SL3258	0	0	1	0	0	0	0	0	0	0
SL3259	0	0	1	0	0	0	0	0	0	0
SL3260	0	0	1	0	0	0	0	0	0	0
SL3261	1	0	0	0	1	0	1	0	0	0
SL3262	1	0	1	0	0	0	0	0	0	0
SL3263	1	1	0	0	1	0	0	0	0	0
SL3264	1	1	1	0	0	0	0	0	0	0
SL3265	1	1	1	0	0	0	0	0	0	0
SL3266	1	0	1	0	0	0	0	0	0	0
SL3267	2	0	0	0	0	0	0	0	0	0
SL3268	2	0	0	0	0	0	0	0	0	0
SL3269	2	1	0	0	0	0	0	0	0	0
SL3301	4	0	0	1	0	0	0	0	0	0
SL3302	2	0	0	1	0	0	0	0	0	0

Table 5. Mineralogical data for heavy-mineral-concentrate samples collected from the Buckstock Mountains study area.

Sample #	pyroxene	amphibole	sphene	garnet	pyrite	cinnabar	chalcopyrite	stibnite	gold	arsenopyrite
SL3303	2	0	0	2	0	3	0	0	0	0
SL3304	1	0	1	0	0	1	0	0	0	0
SL3305	1	0	1	0	0	0	0	0	0	0
SL3306	1	0	0	1	0	1	0	1	0	0
SL3307	1	0	0	0	0	1	0	1	0	0
SL3308	1	0	1	0	0	1	0	0	0	0
SL3309	2	0	0	0	0	0	0	0	0	0
SL3310	2	0	0	1	0	0	0	0	0	0
SL3311	1	0	0	0	0	0	0	0	0	0
SL3312	1	0	0	0	0	0	0	0	0	0
SL3313	0	1	0	0	2	0	0	2	0	1
SL3314	1	0	0	0	0	0	0	0	0	0
SL3315	0	0	0	0	0	0	0	0	0	0
SL3316	1	0	0	0	0	0	0	1	0	0
SL3317	2	0	0	0	1	0	0	0	0	0
SL3318	2	1	0	0	1	0	0	0	0	0
SL3319	3	0	0	0	1	0	0	0	0	0
SL3320	2	0	0	0	1	0	0	0	0	0
SL3321	2	0	0	0	1	0	0	0	0	0
SL3322	1	0	1	0	1	0	0	0	0	0
SL3323	1	0	1	0	1	0	0	0	0	0
SL3324	2	0	0	0	0	0	0	0	0	0
SL3325	2	0	0	0	0	0	0	0	0	0
SL3326	1	0	0	0	1	0	0	0	0	0
SL3327	1	0	1	1	1	0	0	0	0	0
SL3328	1	0	0	0	0	0	0	0	0	0
SL3329	1	0	0	0	1	0	0	0	0	0
SL3330	1	0	0	0	0	0	0	0	0	0
SL3331	1	0	0	0	1	0	0	0	0	0
SL3332	2	0	0	0	1	0	0	0	0	0
SL3333	2	0	0	0	2	0	0	0	0	0
SL3334	4	0	0	0	0	0	0	0	0	1
SL3335	4	0	0	0	1	0	0	0	0	1
SL3336	1	0	0	0	0	0	0	0	0	0
SL3337	0	0	1	0	0	0	0	0	0	0
SL3338	2	0	0	1	1	0	0	0	0	0
SL3339	2	0	0	0	1	0	0	0	0	0
SL3340	3	0	0	0	1	0	0	0	0	0
SL3341	3	0	0	0	2	0	0	0	0	0
SL3342	2	0	0	0	0	0	0	0	0	0
SL3343	2	0	0	0	0	0	0	0	0	0
SL3344	3	0	1	0	0	0	0	0	0	0
SL3345	3	0	0	0	0	0	0	0	0	0
SL3346	2	0	0	0	0	2	0	0	0	0
SL3347	2	0	1	1	0	1	0	0	1	0
SL3348	ins	ins	ins	ins	ins	ins	ins	ins	ins	ins

Table 5. Mineralogical data for heavy-mineral-concentrate samples collected from the Buckstock Mountains study area.

Sample #	pyroxene	amphibole	sphene	garnet	pyrite	cinnabar	chalcopyrite	stibnite	gold	arsenopyrite
SL3349	1	0	1	0	0	1	0	0	1	0
SL3350	3	0	0	0	0	1	0	0	1	0
SL3351	3	0	0	0	0	0	0	1	0	0
SL3352	2	0	0	1	0	0	0	0	0	1
SL3353	3	0	0	0	0	0	1	0	0	0
SL3354	4	0	0	0	0	0	0	1	0	0
SL3355	3	0	0	0	0	0	0	0	0	0
SL3356	4	0	0	0	0	0	0	0	0	0
SL3357	3	0	1	1	1	0	0	0	0	0
SL3358	4	0	1	0	0	0	0	0	0	0
SL3359	2	0	0	0	0	0	0	0	0	0
SL3360	3	0	0	0	0	0	0	0	0	0
SL3361	4	0	0	0	0	0	0	0	0	0
SL3362	1	0	0	0	1	0	0	0	0	0
SL3363	3	0	0	0	0	0	0	0	0	0
SL3364	1	0	0	1	0	0	0	0	0	0
SL3365	2	0	0	0	0	0	0	0	0	0
SL3366	2	0	0	0	1	0	0	0	0	0
SL3367	1	0	0	0	0	0	0	0	0	0
SL4501	2	0	0	0	1	2	0	0	0	0
SL4502	0	0	0	0	1	1	0	0	0	0
SL4503	0	0	0	1	0	0	0	0	0	0
SL4504	0	0	0	1	1	1	0	0	0	0
SL4505	0	0	0	0	1	0	0	0	0	0
SL4506	1	0	0	1	2	1	0	0	0	0
SL4507	1	1	0	0	0	0	0	0	0	0
SL4508	1	0	1	0	0	0	0	0	0	0
SL4509	1	0	0	0	2	0	0	0	0	0
SL4510	1	0	0	0	0	0	0	0	0	0
SL4511	0	1	1	0	1	1	0	0	0	0
SL4512	1	0	0	0	2	1	0	1	0	0
SL4513	1	0	0	0	3	1	2	1	0	0
SL4514	0	0	0	1	4	0	0	0	0	0
SL4515	1	0	0	2	1	0	0	0	0	0
SL4516	0	0	0	0	1	1	0	0	0	0
SL4517	1	1	0	0	1	1	0	0	0	0
SL4518	2	0	0	1	0	0	0	0	0	0
SL4519	3	0	0	1	0	0	0	0	1	0
SL4520	0	0	0	2	0	1	0	0	0	0
SL4521	0	0	0	0	0	0	0	0	0	0
SL4522	1	0	0	1	2	0	0	0	0	0
SL4523	1	0	0	1	1	0	0	0	0	0
SL4524	2	0	0	2	3	0	1	0	0	0
SL4525	3	0	0	0	0	0	0	0	0	0
SL4526	1	0	0	1	1	1	0	0	0	0
SL4527	0	0	0	1	3	0	0	0	0	1

Table 5. Mineralogical data for heavy-mineral-concentrate samples collected from the Buckstock Mountains study area.

Sample #	pyroxene	amphibole	sphene	garnet	pyrite	cinnabar	chalcopyrite	stibnite	gold	arsenopyrite
SL4528	1	0	0	1	2	1	0	0	0	0
SL4529	1	0	0	1	1	0	0	0	0	0
SL4530	1	0	0	1	1	0	0	0	0	0
SL4531	2	1	1	0	1	1	0	0	0	0
SL4532	1	1	1	0	1	0	0	0	0	0
SL4533	1	0	1	0	0	0	0	0	0	0
SL4534	1	0	0	2	2	0	0	0	0	0
SL4535	1	0	0	0	1	0	0	0	0	0
SL4536	1	0	1	0	1	0	0	0	0	0
SL4537	1	0	1	0	0	0	0	0	0	0
SL4538	3	0	0	0	0	0	0	0	0	0
SL4539	2	1	0	0	1	1	0	0	0	0
SL4540	1	1	1	0	2	1	1	0	0	0
SL4541	1	0	1	0	3	0	0	0	0	0
SL4542	1	0	0	2	0	1	0	1	0	0
SL4543	1	1	0	1	1	1	0	0	0	0
SL4544	1	0	1	1	0	0	0	0	0	0
SL4545	1	0	0	0	0	0	0	0	0	0
SL4546	1	0	0	0	0	0	0	0	0	0
SL4547	2	0	0	1	1	0	0	0	1	0
SL4548	1	0	0	0	1	1	0	0	0	0
SL4549	1	0	1	1	0	1	0	0	0	0
SL4550	1	0	0	0	1	0	0	0	0	0
SL4551	0	1	0	0	1	0	0	0	0	0
SL4552	1	0	0	0	0	0	0	0	0	0
SL4553	3	0	0	0	1	0	0	0	0	0
SL4554	4	0	0	0	1	3	0	0	0	0
SL4555	3	1	0	0	0	0	0	0	0	0
SL4556	1	0	1	0	1	2	0	0	0	0
SL4557	2	0	0	0	0	1	0	0	0	0
SL4558	1	1	0	1	0	1	0	0	0	0
SL4559	2	0	1	0	0	1	0	0	1	0
SL4560	1	0	0	1	0	1	0	0	0	1
SL4561	1	0	0	1	0	0	0	0	0	0

Table 5. Mineralogical data for heavy-mineral-concentrate samples collected from the Buckstock Mountains study area.

Sample #	scheelite	barite	sphalerite	corundum	muscovite	andalusite	sillimanite	rk fragments
SL3001	0	0	0	0	1	1	0	0
SL3002	1	2	0	0	0	1	1	0
SL3003	0	0	0	0	1	1	0	0
SL3004	0	0	0	0	0	1	0	0
SL3005	0	1	0	0	0	1	0	0
SL3006	0	0	0	0	1	1	0	0
SL3007	1	0	0	0	1	1	0	0
SL3008	1	2	1	0	2	0	1	0
SL3009	0	0	0	1	1	0	0	0
SL3010	0	3	1	0	1	1	0	0
SL3011	0	0	0	0	1	0	0	0
SL3012	1	2	1	0	1	1	0	0
SL3013	0	0	0	0	2	0	0	0
SL3014	1	1	1	0	1	1	0	0
SL3015	0	1	0	0	1	0	0	0
SL3016	0	1	1	0	0	1	0	0
SL3017	0	0	0	0	2	0	0	0
SL3018	1	0	0	1	1	1	0	0
SL3019	0	0	0	0	2	1	0	0
SL3020	0	2	0	0	1	0	0	0
SL3021	0	2	1	0	0	0	0	0
SL3022	0	1	0	0	0	0	0	0
SL3023	0	0	0	0	1	0	0	0
SL3024	1	1	0	0	1	0	0	0
SL3025	1	1	1	0	0	0	0	0
SL3026	0	2	1	0	1	0	0	0
SL3027	1	1	0	1	0	0	0	0
SL3028	1	1	0	0	0	0	0	0
SL3029	0	0	0	0	0	0	0	0
SL3030	2	0	0	0	1	1	0	0
SL3031	0	1	0	0	0	0	0	0
SL3032	1	1	0	0	0	1	0	0
SL3033	0	0	0	0	0	0	0	5
SL3034	0	0	0	0	0	1	0	5
SL3035	0	0	0	0	0	0	0	0
SL3036	1	0	0	0	1	0	0	0
SL3037	1	0	0	1	1	0	0	0
SL3038	0	1	0	0	1	0	0	0
SL3039	0	1	0	0	0	0	0	0
SL3040	0	1	0	0	1	0	0	0
SL3041	0	2	1	0	2	0	0	0
SL3042	0	2	0	0	2	0	0	0
SL3043	0	1	0	0	1	0	0	0
SL3044	0	0	0	0	0	0	0	0
SL3045	0	0	0	0	1	0	0	0
SL3046	0	1	0	0	0	0	0	0

Table 5. Mineralogical data for heavy-mineral-concentrate samples collected from the Buckstock Mountains study area.

Sample #	scheelite	barite	sphalerite	corundum	muscovite	andalusite	sillimanite	rk fragments
SL3047	0	0	0	0	0	0	0	0
SL3048	0	0	0	1	0	1	0	0
SL3049	0	1	0	0	0	0	0	0
SL3050	0	0	0	0	0	0	0	0
SL3051	0	0	1	0	0	0	0	0
SL3052	0	1	1	0	0	0	0	0
SL3053	0	0	0	0	0	0	0	0
SL3054	0	0	0	0	0	0	0	0
SL3055	0	0	0	0	0	0	0	0
SL3056	1	0	0	0	1	1	0	0
SL3057	1	1	0	0	0	0	0	0
SL3058	0	0	0	0	0	0	0	0
SL3059	0	0	0	0	0	0	0	0
SL3060	0	0	1	0	0	1	0	4
SL3061	1	0	0	0	1	1	0	0
SL3064	3	1	0	0	0	0	0	0
SL3065	1	0	0	0	0	1	0	0
SL3066	0	0	0	0	0	0	0	0
SL3067	1	2	0	1	1	0	0	0
SL3068	0	2	0	0	1	0	0	0
SL3069	0	1	0	1	0	0	1	0
SL3070	0	2	0	0	1	0	0	0
SL3071	1	1	1	0	1	0	0	0
SL3072	0	0	1	0	1	0	0	0
SL3073	ins	ins	ins	ins	ins	ins	ins	ins
SL3074	0	1	1	0	0	2	0	0
SL3075	1	1	1	0	1	0	0	0
SL3076	0	1	0	1	0	1	0	0
SL3077	0	0	0	0	0	0	0	0
SL3078	0	1	0	0	1	1	0	0
SL3079	2	0	0	0	0	1	0	0
SL3080	1	1	0	0	1	0	0	0
SL3081	2	1	0	0	2	0	0	0
SL3082	0	3	1	0	0	0	0	0
SL3083	0	2	1	0	1	0	0	0
SL3084	1	0	0	0	1	0	0	0
SL3085	1	0	1	1	0	2	0	0
SL3086	1	0	0	0	0	0	0	0
SL3087	0	1	0	0	0	0	0	0
SL3088	0	1	0	1	1	1	0	0
SL3089	0	1	0	1	0	0	0	0
SL3090	0	2	0	0	0	1	0	0
SL3091	0	0	0	0	1	1	0	0
SL3092	0	0	0	0	0	1	0	0
SL3093	0	0	0	0	1	1	0	0
SL3094	0	1	1	0	0	0	0	0

Table 5. Mineralogical data for heavy-mineral-concentrate samples collected from the Buckstock Mountains study area.

Sample #	scheelite	barite	sphalerite	corundum	muscovite	andalusite	sillimanite	rk fragments
SL3095	0	3	1	0	2	1	0	0
SL3096	0	0	0	0	1	1	0	0
SL3097	3	0	0	0	1	0	0	0
SL3098	1	0	0	0	1	0	0	0
SL3099	1	1	0	0	0	0	0	0
SL3101	0	2	1	0	0	1	0	0
SL3102	0	0	0	0	1	0	0	1
SL3103	0	0	1	0	1	0	0	4
SL3104	0	2	0	0	2	1	0	0
SL3105	0	1	0	0	1	1	0	0
SL3106	1	1	0	0	1	0	0	0
SL3107	0	0	0	0	2	1	0	0
SL3108	1	2	0	0	0	3	1	0
SL3109	0	0	0	0	1	1	0	0
SL3110	0	0	0	0	1	1	0	0
SL3111	0	1	1	0	1	1	0	0
SL3112	0	1	0	0	1	0	0	0
SL3113	0	0	0	0	0	1	0	0
SL3114	1	3	0	1	1	1	1	0
SL3115	0	2	0	0	1	1	0	1
SL3116	1	1	0	0	0	0	0	0
SL3117	2	2	0	0	1	1	0	5
SL3118	2	1	0	0	1	1	0	5
SL3119	0	3	0	0	2	0	0	0
SL3120	0	1	0	0	0	1	0	5
SL3121	0	1	0	0	1	0	0	0
SL3122	0	1	0	0	0	0	0	4
SL3123	0	0	0	0	0	0	0	5
SL3124	0	0	0	0	0	0	0	5
SL3125	0	1	0	0	0	1	0	0
SL3126	0	0	0	0	1	1	0	0
SL3127	0	0	0	0	0	1	0	0
SL3128	0	0	0	0	1	0	1	0
SL3129	0	0	0	0	1	0	0	0
SL3130	0	5	0	0	1	0	0	0
SL3131	0	3	0	0	2	0	0	0
SL3132	0	1	0	0	0	0	0	0
SL3133	0	0	0	0	0	0	0	0
SL3134	0	1	0	0	0	1	0	0
SL3135	0	1	0	0	0	1	0	0
SL3136	0	0	0	0	0	1	0	0
SL3137	0	0	0	0	0	0	0	0
SL3138	0	0	0	0	0	0	0	0
SL3139	1	1	0	0	0	0	0	0
SL3140	1	2	0	0	0	0	1	0
SL3141	0	0	0	0	0	0	0	0

Table 5. Mineralogical data for heavy-mineral-concentrate samples collected from the Buckstock Mountains study area.

Sample #	scheelite	barite	sphalerite	corundum	muscovite	andalusite	sillimanite	rk fragments
SL3142	0	1	0	0	1	0	0	5
SL3143	0	1	0	0	0	1	0	5
SL3144	0	0	0	0	0	0	0	0
SL3145	0	1	0	0	1	0	0	0
SL3146	0	0	0	0	1	0	0	5
SL3147	1	1	0	0	1	0	0	5
SL3148	1	1	0	0	1	0	0	4
SL3149	0	0	0	0	1	0	0	0
SL3150	0	1	0	0	1	0	0	0
SL3151	0	0	0	0	1	0	0	0
SL3152	0	0	0	0	0	0	0	0
SL3153	0	0	0	0	0	0	0	0
SL3154	0	0	0	0	0	0	0	0
SL3155	0	0	0	0	0	0	0	0
SL3156	0	0	0	0	0	0	0	0
SL3157	0	0	0	0	0	0	0	0
SL3158	0	0	0	0	0	0	0	0
SL3159	0	0	0	0	0	0	0	0
SL3160	0	0	0	0	0	0	0	0
SL3161	0	0	0	0	0	0	0	0
SL3200	0	1	0	1	0	3	0	0
SL3201	0	1	0	0	2	2	0	0
SL3202	0	0	0	0	2	1	0	0
SL3203	0	0	0	0	3	1	0	0
SL3204	0	0	0	0	3	0	0	0
SL3205	0	0	0	0	2	0	0	0
SL3206	0	0	0	0	2	1	0	0
SL3207	0	1	0	0	1	0	0	0
SL3208	0	3	0	0	1	0	0	0
SL3209	0	0	0	0	0	0	0	0
SL3210	0	2	0	0	0	0	0	5
SL3211	0	1	0	0	1	0	0	5
SL3212	1	1	0	0	1	1	0	0
SL3213	1	2	0	0	0	0	0	0
SL3214	1	0	0	0	0	0	0	5
SL3215	0	2	0	0	0	0	0	4
SL3216	0	1	0	0	1	0	0	0
SL3217	0	0	0	0	0	0	0	5
SL3218	ins	ins	ins	ins	ins	ins	ins	ins
SL3219	1	1	1	1	0	0	0	0
SL3220	0	1	0	0	1	0	0	0
SL3221	1	1	0	0	0	0	0	0
SL3222	1	3	0	0	1	0	0	0
SL3223	0	4	0	0	1	0	0	0
SL3224	0	2	1	0	1	1	0	0
SL3225	0	4	0	0	1	0	0	0

Table 5. Mineralogical data for heavy-mineral-concentrate samples collected from the Buckstock Mountains study area.

Sample #	scheelite	barite	sphalerite	corundum	muscovite	andalusite	sillimanite	rk fragments
SL3226	0	4	0	0	2	0	0	0
SL3227	0	0	0	0	0	0	0	0
SL3228	0	0	1	0	0	0	0	0
SL3229	0	0	0	0	0	0	0	0
SL3230	0	1	0	0	1	0	0	0
SL3231	0	0	0	0	0	0	0	0
SL3232	0	0	0	1	0	0	0	0
SL3233	0	5	0	0	0	0	0	0
SL3234	0	1	0	0	0	0	0	0
SL3235	0	0	0	1	0	0	0	0
SL3236	0	2	0	0	0	0	0	4
SL3237	0	1	0	0	0	1	0	4
SL3238	0	1	0	0	0	0	0	0
SL3239	0	1	0	0	0	0	0	0
SL3240	0	4	1	0	0	0	0	4
SL3241	1	0	0	0	2	0	0	0
SL3242	1	0	0	0	0	1	1	0
SL3243	1	0	0	0	0	1	0	0
SL3244	0	0	0	0	0	0	0	0
SL3245	1	1	0	0	1	1	0	0
SL3246	0	1	1	0	1	0	0	0
SL3247	1	1	0	0	1	1	0	0
SL3248	1	0	0	0	1	0	1	0
SL3249	1	0	0	0	0	1	0	0
SL3250	1	0	0	0	1	1	0	0
SL3251	0	3	1	0	2	1	0	0
SL3252	0	0	0	0	0	1	0	0
SL3253	0	1	0	0	0	1	0	0
SL3254	0	0	0	0	2	1	0	0
SL3255	0	0	0	0	1	1	0	0
SL3256	0	0	0	0	0	0	0	4
SL3257	0	2	0	0	0	1	0	3
SL3258	1	0	0	0	0	1	0	0
SL3259	1	0	0	0	0	0	0	0
SL3260	1	1	0	0	1	1	0	0
SL3261	1	1	0	0	1	0	0	0
SL3262	1	0	1	0	0	0	0	0
SL3263	1	0	0	0	0	0	0	0
SL3264	1	1	0	0	0	1	0	3
SL3265	1	2	0	0	0	0	1	0
SL3266	1	1	0	0	0	0	0	5
SL3267	1	0	1	0	0	0	0	4
SL3268	1	1	0	0	0	1	0	4
SL3269	1	0	0	0	0	1	1	0
SL3301	2	3	1	1	2	1	0	1
SL3302	0	2	0	0	2	2	0	0

Table 5. Mineralogical data for heavy-mineral-concentrate samples collected from the Buckstock Mountains study area.

Sample #	scheelite	barite	sphalerite	corundum	muscovite	andalusite	sillimanite	rk fragments
SL3303	0	1	0	0	1	0	0	0
SL3304	1	2	0	1	0	1	0	0
SL3305	0	0	0	0	0	0	0	0
SL3306	0	1	0	0	0	1	0	0
SL3307	1	1	0	0	2	0	0	3
SL3308	1	0	0	1	0	1	0	0
SL3309	0	2	0	1	0	1	0	0
SL3310	0	3	0	0	2	1	0	0
SL3311	2	2	0	0	0	1	0	0
SL3312	1	1	0	0	1	0	0	0
SL3313	1	1	1	0	1	1	0	0
SL3314	1	1	0	0	1	0	0	0
SL3315	0	1	0	0	0	0	0	0
SL3316	0	2	0	0	0	0	1	0
SL3317	0	1	0	0	0	1	0	4
SL3318	0	0	0	0	1	1	0	0
SL3319	1	0	0	0	1	0	0	0
SL3320	0	1	0	0	0	1	0	1
SL3321	1	1	0	0	0	0	0	0
SL3322	1	1	0	0	0	1	0	0
SL3323	0	1	0	0	0	1	0	0
SL3324	0	1	0	0	0	0	0	0
SL3325	0	0	0	0	1	0	0	0
SL3326	0	1	0	0	2	0	0	0
SL3327	1	0	0	0	0	0	0	0
SL3328	0	4	0	0	0	0	0	0
SL3329	0	1	0	0	0	0	0	0
SL3330	0	3	0	0	0	0	0	0
SL3331	0	1	0	0	1	0	0	0
SL3332	0	3	0	0	0	0	0	0
SL3333	1	4	0	0	0	0	0	0
SL3334	0	1	0	0	0	0	0	0
SL3335	0	1	0	0	0	0	0	0
SL3336	0	0	0	0	0	0	0	0
SL3337	0	1	0	0	0	0	0	0
SL3338	1	1	0	0	0	0	1	0
SL3339	1	1	0	0	0	0	0	0
SL3340	0	2	0	0	1	0	0	0
SL3341	0	2	0	0	1	0	0	0
SL3342	1	1	0	0	0	0	0	5
SL3343	2	1	0	0	0	0	0	4
SL3344	0	3	0	0	3	0	0	0
SL3345	0	2	0	0	3	0	0	0
SL3346	1	1	0	0	0	1	1	0
SL3347	1	2	0	0	2	0	0	0
SL3348	ins	ins	ins	ins	ins	ins	ins	ins

Table 5. Mineralogical data for heavy-mineral-concentrate samples collected from the Buckstock Mountains study area.

Sample #	scheelite	barite	sphalerite	corundum	muscovite	andalusite	sillimanite	rk fragments
SL3349	1	2	0	0	0	0	0	0
SL3350	1	1	0	0	1	1	0	0
SL3351	0	0	0	0	1	0	0	0
SL3352	1	0	0	0	3	1	0	0
SL3353	3	1	0	0	3	0	0	0
SL3354	3	0	0	0	0	0	0	0
SL3355	2	0	0	0	1	0	0	4
SL3356	1	2	0	0	1	0	0	4
SL3357	0	2	1	0	0	0	0	0
SL3358	0	3	0	0	1	0	0	5
SL3359	1	0	0	0	1	0	0	0
SL3360	1	1	0	0	0	0	0	0
SL3361	1	1	0	0	1	0	0	0
SL3362	0	0	0	0	0	1	0	0
SL3363	0	1	0	0	0	0	0	0
SL3364	0	1	0	0	0	0	0	0
SL3365	1	1	0	0	0	0	0	0
SL3366	3	1	0	0	0	0	0	0
SL3367	3	0	0	0	1	0	0	0
SL4501	3	2	0	0	1	0	0	0
SL4502	0	1	0	0	2	0	0	0
SL4503	1	0	0	0	2	0	0	0
SL4504	1	2	0	0	2	0	0	0
SL4505	3	2	0	0	1	0	0	0
SL4506	2	3	0	0	1	0	0	0
SL4507	0	2	0	0	0	0	0	0
SL4508	1	2	0	0	1	0	0	0
SL4509	1	2	0	0	0	0	0	0
SL4510	0	1	0	0	0	0	0	0
SL4511	0	1	1	0	0	0	0	0
SL4512	1	2	0	0	1	0	0	0
SL4513	0	2	1	0	2	0	0	0
SL4514	0	3	1	0	1	0	0	0
SL4515	1	1	1	0	1	0	0	0
SL4516	0	2	0	0	2	1	0	0
SL4517	0	0	0	0	2	0	0	0
SL4518	0	2	1	0	2	0	0	0
SL4519	0	1	0	0	2	0	0	0
SL4520	0	2	0	0	1	1	0	0
SL4521	0	2	0	0	1	1	0	0
SL4522	0	2	1	0	3	0	0	0
SL4523	3	2	1	0	2	0	0	0
SL4524	2	2	1	0	0	1	0	0
SL4525	0	2	1	0	1	0	0	0
SL4526	1	3	0	0	1	0	0	0
SL4527	1	3	0	0	2	0	0	0

Table 5. Mineralogical data for heavy-mineral-concentrate samples collected from the Buckstock Mountains study area.

Sample #	scheelite	barite	sphalerite	corundum	muscovite	andalusite	sillimanite	rk fragments
SL4528	1	3	1	0	2	0	0	0
SL4529	1	3	0	0	3	0	0	0
SL4530	1	3	0	0	3	0	0	0
SL4531	1	2	1	0	2	0	0	0
SL4532	1	2	1	0	2	0	0	0
SL4533	0	1	0	0	2	0	0	0
SL4534	2	1	0	0	3	0	0	0
SL4535	1	4	1	0	1	0	0	0
SL4536	1	2	0	0	1	0	0	0
SL4537	0	2	0	0	2	0	0	0
SL4538	1	2	0	0	2	0	0	0
SL4539	0	1	0	0	0	0	0	0
SL4540	0	3	0	0	1	0	0	0
SL4541	1	2	0	0	2	1	0	0
SL4542	5	1	0	0	2	0	0	0
SL4543	1	2	0	0	4	0	0	0
SL4544	0	3	0	0	4	0	0	0
SL4545	1	1	0	0	1	0	0	0
SL4546	1	2	0	0	1	0	0	0
SL4547	1	1	0	0	1	0	0	0
SL4548	2	1	0	0	2	0	0	0
SL4549	1	2	0	0	2	0	1	0
SL4550	0	1	0	0	1	1	0	0
SL4551	0	2	0	0	1	1	0	0
SL4552	1	0	0	0	1	0	0	0
SL4553	0	0	0	0	2	0	0	5
SL4554	1	2	0	1	1	0	0	0
SL4555	1	3	0	0	0	1	0	0
SL4556	1	3	0	1	0	1	0	0
SL4557	1	1	0	0	1	0	0	0
SL4558	0	2	0	0	1	0	0	0
SL4559	1	1	0	0	0	1	0	0
SL4560	0	0	0	0	0	0	0	0
SL4561	0	2	0	0	1	0	0	0