UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Spectrographic Analyses of Selected Cores from the Blacktail Mountain Drilling Site, Flathead County, Montana

By

J. A. Domenico
U.S. Geological Survey

Open-File Report 79-939
1979

CONTENTS

TABLES

INTRODUCTION

A geochemical study was begun in 1978 as one of several multidisciplinary studies of a stratabound copper occurrence. This study was designed to geochemically characterize stratabound copper occurrences and their host rocks by analyzing drill cores from an occurrence in the uppermost part of the Spokane Formation of the Belt Supergroup.

The analytical results of whole rock semiquantitative optical emission spectrographic analysis of cores from drill holes number 8, 21, and 26, are given in this report. The drill site is located on Blacktail Mountain, T. 26 N., R. 22 W., Sec. 24, Flathead County, Mont.

I am grateful to M. R. Reynolds who supervised and personally sawed a large portion of the drill core into individual samples. I also extend my gratitude to B. M. Clemens and J. F. Rose who prepared the samples for chemical analysis.

PREPARATION AND ANALYSIS OF SAMPLES

The 7.62 cm (3 inch) drill core was sawn into four equal vertical portions. The quarter of the drill core designated for chemical analysis was cut into 15 cm lengths. Thus each 15 cm quarter of drill core constitutes one sample.

Each sample was pulverized to minus 0.149 mm (minus 150 mesh) in a vertical grinder using ceramic grinding plates. Ceramic plates were used to avoid contamination of the rock sample by iron and minor elements found in steel.

Throughout the sample preparation process care was taken to avoid cross-over contamination from one sample to another, and possible contamination from remnant drilling lubricants as well as from the preparation apparatus. No element detected in the various tested materials appears to be present as a contaminant in the rock samples.

Each sample was analyzed semiquantitatively for 31 elements using an optical emission spectrograph. According to the method outlined by Grimes and Marranzino (1968). The semiquantitative spectrographic analytical values are reported as the approximate geometric midpoints 0.1, 0.7, 0.5, 0.3, 0.2, 0.15 (or appropriate multiples of ten) of ranges whose respective boundaries are 1.2, 0.83, 0.56, 0.38, 0.22, 0.18, 0.12 (or appropriate multiples). Since the spectrographic analyses were performed by the same analyst over a relatively short period of time, these semiquantitative procedures are generally accurate to $\pm$ 30 percent of the actual concentration of a given element. The precision is within one adjoining reporting interval on each side of the reported value approximately 90 percent of the time.

The lower limits of determination for the 31 elements determined spectrographically and included in this report are as follows:

For elements determined in percent

Calcium	0.05
Iron	0.05
Magnesium	0.02
Titanium	0.002

For elements determined in parts per million

Antimony	100	Manganese	10
Arsenic	200	Molybdenum	5
Barium	20	Nickel	5
Beryllium	1	Niobium	20
Bismuth	10	Scandium	5
Boron	10	Silver	0.5
Cadmium	20	Strontium	100
Chromium	10	Thorium	100
Cobalt	5	Tin	10
Copper	5	Tungsten	50
Gold	10	Vanadium	10
Lanthanum	20	Yttrium	10
Lead	10	Zinc	200
		Zirconium	10

EXPLANATION OF DATA

Each sample is identified by a six digit code. The first two digits indicate the drill hole number, the third digit is always zero, and the last three digits identify the sequence of samples downward in the core that was recovered.

The results of the semiquantitative spectrographic analyses for 22 elements in the cores from Blacktail Mountain are presented in table 1. Except where indicated by footnotes, antimony, arsenic, cadmium, gold, niobium, thorium, tin, tungsten, and zinc were not detected at their respective limits of determination in any core sample. Only samples from drill holes 8, 21, and 26 are presented herein.

Iron, magnesium, calcium, and titanium are reported in percent (%); all other elements are in parts per million. Other symbols shown on the table are:

N Not detected at the lower limit of determination

< Detected, but below the lowest limit of determination, which is the value shown

REFERENCES CITED

Grimes, D. J., and Marranzino, A. P., 1968, Direct-current arc and alternating-current spark emission spectrographic field methods for the semiquantitative analyses of geologic material: U.S. Geological Survey Circular 591, 6 p.

Table 1.--Results of semiquantitative spectrographic analyses of selected cores from the Blacktail Mountain drilling site, Flathead County, Montana.

sample	FE%	MG%	CA%	TI%	MN	AG	B	BA	BE	BI	CO	CR
080001	5.0	3.0	.20	.70	1,500	3.0	70	700	2.0	<10	15	70
080002	2.0	10.0	5.00	.10	2,000	1.0	70	500	1.5	N	7	50
080003	3.0	10.0	10.00	.20	3,000	1.0	50	300	1.5	N	7	50
080004	3.0	10.0	7.00	.20	2,000	<.5	70	700	1.5	N	7	70
080005	3.0	10.0	7.00	.20	1,500	<.5	70	500	1.5	N	7	70
080006	3.0	10.0	7.00	.30	1,500	.7	70	700	2.0	N	7	70
080007	2.0	10.0	.05	.30	1,500	.7	70	700	2.0	N	7	70
080008	2.0	5.0	5.00	.20	1,500	2.0	70	700	2.0	N	7	50
080009	2.0	3.0	2.00	.30	700	3.0	70	1,000	2.0	N	7	70
080010	1.5	3.0	1.50	.70	700	1.5	70	700	1.5	N	15	50
080011	1.5	2.0	.30	.30	700	7.0	70	500	1.5	N	7	50
080012	2.0	1.5	.30	.15	700	.7	70	300	1.0	N	7	100
080013	2.0	2.0	.50	.30	500	.5	70	700	2.0	N	10	30
080014	1.5	1.5	.20	.30	500	3.0	70	500	1.5	N	7	70
080015	2.0	1.5	.30	.20	300	.5	50	300	1.5	N	7	70
080016	2.0	2.0	.20	.30	500	.7	70	700	2.0	N	7	50
080017	2.0	3.0	.10	.30	500	.7	70	700	2.0	N	10	70
080018	1.5	1.5	.15	.20	300	.5	50	500	1.5	N	7	100
080019	2.0	1.5	.15	.30	500	N	70	500	2.0	N	10	50
080020	3.0	1.5	.10	.30	300	N	70	700	2.0	N	10	100
080021	3.0	2.0	.15	.70	700	N	70	1,000	2.0	N	15	100
080022	3.0	2.0	.15	.30	500	N	70	700	2.0	N	10	70
080023	3.0	3.0	1.50	.50	700	N	70	700	2.0	N	7	70
080024	3.0	3.0	3.00	.50	1,000	N	70	1,000	2.0	N	10	100
080025	3.0	2.0	.70	.50	500	<.5	70	700	1.5	N	10	100
080026	5.0	1.5	.15	.50	700	N	70	700	1.5	N	10	100
080027	5.0	2.0	.70	.50	700	N	70	1,000	2.0	N	7	100
080028	3.0	2.0	1.00	.30	1,000	N	70	1,000	2.0	N	5	70
080029	3.0	1.5	.07	.50	300	N	70	500	1.5	N	7	100
080030	3.0	1.5	.10	.30	500	.7	70	500	1.5	N	7	70
080031	2.0	1.0	.10	.50	300	N	70	300	1.5	N	5	70
080032	2.0	1.5	.10	.70	300	N	70	700	1.5	N	7	70
080033	2.0	1.0	.07	.30	300	N	70	700	1.5	N	7	70
080034	2.0	1.0	.07	.50	300	N	70	500	2.0	N	7	70
080035	3.0	1.5	.10	.30	300	N	70	700	2.0	N	7	100
080036	2.0	1.0	.10	.50	300	N	70	700	1.5	N	7	70
080037	2.0	1.0	.07	.30	300	N	70	1,000	2.0	N	7	100
080038	2.0	2.0	.10	.50	300	N	70	1,500	2.0	N	10	70
080039	3.0	2.0	.20	.50	500	N	70	1,500	2.0	N	10	70
080040	3.0	3.0	1.00	.50	700	N	70	1,500	1.0	N	15	70
080041	1.5	.5	.07	.30	300	N	70	700	1.5	N	5	70
080042	2.0	.5	.07	.20	500	N	100	700	2.0	N	5	100
080043	1.5	.3	.07	.20	500	.7	70	500	1.5	N	5	30
080044	1.5	.7	.07	.30	500	N	50	300	1.5	N	5	50
080045	3.0	1.5	.15	.70	300	N	70	1,500	3.0	N	7	100

Table 1.--Results of semiquantitative spectrographic analyses of selected cores from the Blacktail Mountain drilling site, Flathead County, Montana.

sample	CU	LA	MO	NI	PB	SC	SR	V	Y	ZR
080001	700	70	-	30	30	10	N	100	30	200
080002	300	30	-	15	70	7	200	50	50	150
080003	200	50	-	20	50	7	200	50	50	150
080004	50	70	-	15	30	10	150	100	50	150
080005	100	70	-	30	30	10	150	70	50	150
080006	150	70	-	20	30	15	100	100	50	150
080007	200	70	-	20	30	10	100	100	50	150
080008	500	70	-	20	30	10	100	100	50	200
080009	1,500	70	-	20	50	15	<100	100	50	200
080010	700	70	-	30	50	10	<100	150	30	300
080011	300	30	-	15	30	7	N	50	30	300
080012	150	30	-	15	30	7	N	50	50	200
080013	150	70	-	30	30	15	N	150	30	300
080014	100	70	-	20	30	10	N	100	30	300
080015	70	30	-	15	30	7	N	70	50	200
080016	100	50	-	15	30	15	N	100	50	200
080017	150	70	-	30	30	15	N	150	50	300
080018	30	50	-	20	30	7	N	70	50	150
080019	15	50	-	20	30	10	N	150	50	200
080020	15	70	-	20	30	15	N	100	50	300
080021	20	70	N	30	30	15	N	100	50	200
080022	15	50	N	20	30	15	N	100	50	200
080023	20	70	N	30	30	15	N	70	50	300
080024	30	100	N	20	30	15	100	150	50	150
080025	70	70	N	30	30	15	N	100	50	300
080026	50	50	N	30	30	15	100	150	50	200
080027	30	70	N	20	30	15	N	150	50	300
080028	10	70	N	15	30	10	N	70	50	300
080029	15	50	N	20	20	7	N	70	50	300
080030	30	50	N	15	30	10	N	70	50	300
080031	20	70	N	15	20	7	N	70	50	500
080032	20	50	N	15	30	10	N	70	30	200
080033	30	70	N	20	30	10	N	70	50	300
080034	20	70	N	15	30	10	N	70	50	200
080035	15	70	N	20	30	15	N	100	50	300
080036	15	30	N	20	15	7	N	70	50	300
080037	<5	70	N	20	15	15	N	100	50	300
080038	15	50	N	20	30	10	N	70	50	300
080039	50	70	N	30	50	15	N	100	50	300
080040	30	50	N	30	30	10	N	70	50	300
080041	70	30	N	7	30	7	N	50	50	200
080042	50	70	N	15	30	10	N	100	50	300
080043	150	50	N	10	20	7	N	50	50	150
080044	50	50	N	10	15	7	N	50	50	200
080045	5	70	N	15	20	15	N	100	50	300

Table 1.--Results of semiquantitative spectrographic analyses of selected cores from the Blacktail Mountain drilling site, Flathead County, Montana,--continued.

sample	FE%	MG%	CA%	TI%	MN	AG	B	BA	BE	BI	CO	CR
080046	5.0	2.0	1.00	.30	700	N	70	1,500	1.5	N	15	150
080047	3.0	2.0	.50	.30	500	N	70	700	2.0	N	10	70
080048	2.0	1.5	.30	.20	500	N	70	500	3.0	N	7	100
080049	2.0	1.5	.20	.20	500	N	70	300	1.5	N	10	70
080050	3.0	2.0	1.50	.20	700	N	70	500	2.0	N	15	150
080051	3.0	2.0	.30	.30	500	N	100	1,500	3.0	N	10	100
080052	2.0	3.0	2.00	.20	700	N	70	500	2.0	N	10	70
080053	2.0	2.0	1.50	.30	700	N	100	700	3.0	N	10	70
080054	3.0	5.0	5.00	.30	1,000	N	70	700	3.0	N	7	70
080055	3.0	7.0	7.00	.30	1,500	N	70	500	1.0	N	10	70
080056	3.0	7.0	5.00	.20	1,500	N	70	700	2.0	N	7	100
080057	2.0	5.0	5.00	.20	1,000	N	70	300	2.0	N	7	50
080058	2.0	5.0	7.00	.20	1,500	N	70	300	1.5	N	10	70
080059	2.0	3.0	3.00	.20	1,000	N	70	500	1.5	N	10	70
080060	3.0	3.0	3.00	.30	1,000	N	70	700	2.0	N	10	150
080061	3.0	3.0	3.00	.30	1,000	N	70	700	2.0	N	10	100
080062	2.0	2.0	1.50	.30	500	N	70	500	2.0	N	7	70
080063	2.0	2.0	1.50	.30	500	N	70	500	2.0	N	15	70
080064	2.0	2.0	1.00	.20	500	N	70	700	2.0	N	10	100
080065	2.0	2.0	1.00	.30	500	N	70	500	1.5	N	10	100
080066	2.0	3.0	1.00	.30	700	N	100	700	2.0	N	10	70
080067	2.0	5.0	1.50	.20	700	N	70	300	2.0	N	10	50
080068	3.0	3.0	1.00	.30	300	N	70	700	2.0	N	15	70
080069	2.0	3.0	1.50	.20	700	N	70	500	2.0	N	10	50
080070	2.0	5.0	2.00	.20	1,000	N	70	300	2.0	N	10	50
080071	2.0	3.0	.70	.20	500	N	70	500	2.0	N	7	30
080072	2.0	3.0	.20	.20	300	N	70	500	3.0	N	7	50
080073	2.0	3.0	.50	.20	300	N	70	300	2.0	N	7	50
080074	2.0	2.0	.50	.20	300	N	70	500	2.0	N	7	30
080075	2.0	2.0	.50	.20	300	N	70	700	3.0	N	7	30
080076	2.0	2.0	1.50	.20	500	N	70	500	2.0	N	7	30
080077	2.0	5.0	2.00	.20	1,000	N	70	300	2.0	N	7	70
080078	1.5	3.0	2.00	.20	700	N	70	300	2.0	N	7	70
080079	1.5	3.0	3.00	.15	1,000	N	70	300	2.0	N	7	50
080080	3.0	5.0	5.00	.20	1,000	N	70	300	2.0	N	10	70
080081	1.5	3.0	2.00	.20	1,000	N	70	300	2.0	N	7	70
080082	1.5	3.0	2.00	.20	1,000	N	70	300	2.0	N	7	50
080083	1.5	3.0	3.00	.20	700	N	70	300	2.0	N	7	50
080084	1.5	3.0	2.00	.20	1,000	N	70	700	2.0	N	7	50
080085	1.5	2.0	.70	.20	700	N	70	700	2.0	N	10	70
080086	2.0	3.0	1.50	.20	1,000	N	70	700	2.0	N	10	50
080087	1.5	2.0	1.00	.20	500	N	70	700	2.0	N	10	50
080088	1.5	3.0	.70	.20	300	N	70	1,000	2.0	N	10	70
080089	3.0	2.0	.50	.30	300	N	70	1,000	2.0	N	15	100
080090	2.0	2.0	.70	.20	300	N	70	1,000	2.0	N	15	70

Table 1.--Results of semiquantitative spectrographic analyses of selected cores from the Blacktail Mountain drilling site, Flathead County, Montana,--continued.

sample	CU	LA	MO	NI	PB	SC	SR	V	Y	ZR
080046	5	70	N	30	30	15	100	100	50	300
080047	<5	50	N	30	30	10	N	70	50	300
080048	N	70	N	15	30	15	N	100	50	300
080049	<5	30	N	20	30	7	N	70	50	300
080050	<5	70	N	30	30	7	N	70	50	300
080051	N	70	N	15	30	20	<100	150	50	300
080052	N	50	N	20	30	7	N	50	50	200
080053	N	70	N	20	30	10	N	100	50	200
080054	N	70	N	15	30	10	<100	70	50	300
080055	<5	50	N	20	30	10	<100	70	50	200
080056	<5	50	N	20	30	10	N	100	50	200
080057	<5	50	N	20	30	7	N	70	50	300
080058	<5	50	N	20	30	7	N	70	50	200
080059	<5	50	N	20	30	10	N	70	50	300
080060	N	100	N	20	30	15	N	100	50	300
080061	<5	70	N	30	30	15	N	100	50	200
080062	<5	70	N	20	30	15	N	100	50	300
080063	N	50	N	30	20	10	N	70	50	300
080064	N	70	N	15	30	10	N	70	50	200
080065	N	70	N	15	20	15	N	70	50	300
080066	N	70	N	15	20	15	N	70	50	300
080067	<5	50	N	20	20	10	N	70	50	200
080068	<5	70	N	20	20	10	N	100	70	200
080069	<5	70	N	20	30	7	N	70	50	200
080070	<5	70	N	15	30	7	N	70	50	200
080071	<5	70	N	15	20	7	N	70	50	200
080072	5	70	N	15	30	10	N	100	50	150
080073	5	70	N	20	30	7	N	70	50	150
080074	<5	50	N	20	20	7	N	70	50	150
080075	N	70	N	15	20	7	N	70	50	150
080076	<5	70	N	15	30	7	N	100	50	150
080077	N	70	N	15	30	10	N	100	50	200
080078	5	50	N	15	30	10	N	70	50	200
080079	5	50	N	15	50	7	N	50	50	150
080080	<5	70	N	20	50	10	100	100	50	200
080081	5	70	N	20	30	10	N	100	50	200
080082	5	50	N	15	50	7	100	70	50	200
080083	5	50	N	20	50	7	N	70	50	200
080084	<5	50	N	20	30	10	N	70	50	150
080085	7	50	N	20	30	10	N	70	50	200
080086	<5	50	N	20	30	10	N	70	50	300
080087	<5	50	N	20	30	10	N	70	50	200
080088	<5	70	N	30	30	15	N	150	50	200
080089	<5	70	N	30	30	15	N	150	70	300
080090	<5	50	N	30	20	15	N	100	50	200

Table 1.--Results of semiquantitative spectrographic analyses of selected cores from the Blacktail Mountain drilling site, Flathead County, Montana,--continued.

sample	FE%	MG%	CA%	TI%	MN	AG	B	BA		BI	CO	CR
080091	2.0	2.0	.30	.30	300	N	70	1,000	3.0	N	15	100
080092	2.0	1.5	.50	.20	300	N	70	700	2.0	N	7	70
080093	3.0	1.5	.20	.30	500	N	70	1,500	3.0	N	7	70
080094	2.0	1.5	.10	.20	150	.5	70	1,500	3.0	N	10	70
080095	3.0	2.0	1.50	.30	700	N	70	1,000	3.0	N	7	100
080096	3.0	2.0	.20	.30	300	N	70	1,500	3.0	N	7	70
080097	2.0	1.5	.30	.20	300	N	70	1,000	2.0	N	7	70
080098	2.0	1.5	.50	.20	300	N	70	1,000	2.0	N	5	70
080099	2.0	1.5	.70	.20	300	N	70	1,000	2.0	N	5	70
080100	2.0	1.5	.20	.20	300	N	70	1,000	2.0	N	5	50
080101	2.0	1.5	1.00	.20	500	N	70	1,000	2.0	N	5	70
080102	2.0	1.5	1.00	.20	500	N	70	1,000	2.0	N	7	50
080103	3.0	1.5	1.00	.30	500	.7	100	1,000	3.0	N	7	100
080104	3.0	1.5	.50	.20	300	N	70	700	2.0	N	7	50
080105	3.0	1.5	1.00	.20	700	5.0	70	700	2.0	N	7	30
080106	3.0	1.5	1.00	.20	500	N	100	2,000	2.0	N	7	70
080107	3.0	1.5	.50	.20	300	N	70	1,500	2.0	N	7	70
080108	2.0	1.5	.20	.20	300	N	70	1,000	2.0	N	15	70
080109	2.0	1.5	.30	.20	500	N	70	1,500	3.0	N	7	70
080110	2.0	1.5	.20	.20	200	N	70	1,500	3.0	N	7	70
080111	2.0	1.5	1.00	.30	300	N	70	700	1.5	N	7	70
080112	2.0	.5	1.00	.30	700	N	50	700	1.5	N	N	50
080113	2.0	1.0	1.50	.20	500	N	50	700	2.0	N	5	70
080114	3.0	2.0	.70	.30	500	N	70	700	3.0	N	7	70
080115	3.0	2.0	1.50	.20	300	N	70	700	3.0	N	7	70
080116	3.0	2.0	.70	.20	500	N	70	1,000	3.0	N	10	70
080117	5.0	3.0	.70	.30	500	N	70	1,000	3.0	N	15	70
080118	3.0	3.0	1.00	.20	700	N	70	700	3.0	N	10	70
080119	3.0	3.0	1.50	.30	700	N	70	700	3.0	N	10	100
080120	3.0	3.0	2.00	.30	700	N	70	700	3.0	N	10	70
080121	2.0	2.0	2.00	.30	1,000	N	70	700	3.0	N	10	70
080122	2.0	3.0	3.00	.20	1,000	N	70	500	3.0	N	10	100
080123	2.0	3.0	5.00	.15	1,500	N	70	500	2.0	N	10	70
080124	3.0	5.0	3.00	.20	700	15.0	70	700	2.0	N	20	100
080125	2.0	5.0	5.00	.20	1,500	N	70	500	2.0	N	15	70
080126	1.5	3.0	3.00	.20	1,500	N	50	300	2.0	N	10	50
080127	1.5	3.0	5.00	.15	1,500	N	70	500	2.0	N	10	70
080128	1.5	3.0	5.00	.15	1,000	N	70	300	2.0	N	10	70
080129	1.0	2.0	3.00	.15	700	.7	50	700	2.0	N	7	50
080130	2.0	3.0	3.00	.20	1,000	5.0	70	1,000	3.0	10	15	100
080131	1.5	5.0	5.00	.20	1,500	3.0	70	700	2.0	<10	10	70
080132	1.5	5.0	7.00	.20	2,000	5.0	70	1,000	2.0	<10	7	70
080133	1.5	2.0	5.00	.15	1,500	10.0	70	1,000	2.0	<10	7	30
080134	2.0	5.0	7.00	.20	2,000	7.0	70	700	2.0	<10	10	70
080135	3.0	10.0	7.00	.30	3,000	5.0	70	500	2.0	<10	15	100

Table 1.--Results of semiquantitative spectrographic analyses of selected cores from the Blacktail Mountain drilling site, Flathead County, Montana,--continued.

sample	CU	LA	MO	NI	PB	SC	SR	V	Y	ZR
080091	<5	70	N	20	30	15	N	100	50	300
080092	<5	50	N	20	30	15	N	100	50	200
080093	<5	70	N	20	30	15	N	100	50	200
080094	<5	50	N	30	30	10	N	70	50	150
080095	<5	70	N	20	30	15	N	100	50	200
080096	<5	70	N	30	30	15	N	70	50	300
080097	N	70	N	20	30	10	N	70	50	200
080098	N	50	N	15	30	10	N	70	50	200
080099	N	30	N	20	30	10	N	70	50	200
080100	N	50	N	20	30	10	N	50	50	200
080101	N	50	N	20	30	15	N	70	50	300
080102	N	70	N	20	30	10	N	70	50	200
080103	N	100	N	20	30	15	N	100	50	300
080104	N	50	N	20	30	7	N	70	50	300
080105	N	50	N	20	30	7	N	50	50	200
080106	N	50	N	20	50	10	N	70	50	300
080107	N	50	N	20	30	10	N	70	50	200
080108	7	30	N	30	30	10	N	50	50	200
080109	N	50	N	15	30	15	N	100	50	150
080110	N	50	N	20	30	15	N	100	50	150
080111	<5	70	N	20	30	7	N	50	50	200
080112	15	50	N	15	30	7	N	50	50	300
080113	30	30	N	15	30	7	N	70	50	300
080114	50	70	N	20	30	15	N	150	50	200
080115	50	50	N	20	30	15	N	100	50	200
080116	70	50	N	30	30	15	N	100	50	300
080117	70	30	N	30	30	15	N	100	50	300
080118	30	20	N	20	30	10	N	70	50	200
080119	20	70	N	20	30	15	N	100	50	200
080120	<5	50	N	30	30	15	<100	100	50	200
080121	<5	50	N	20	30	15	N	100	50	150
080122	<5	30	N	20	30	10	N	70	50	150
080123	N	30	N	20	30	10	100	70	50	100
080124	N	70	N	30	30	15	N	100	50	100
080125	N	70	N	20	30	10	100	100	50	100
080126	5	30	N	15	30	10	<100	70	50	100
080127	20	50	N	20	50	7	100	70	50	100
080128	30	30	N	20	30	10	100	70	50	100
080129	200	N	N	10	30	7	N	50	20	70
080130	2,000	70	N	30	50	15	N	100	30	100
080131	700	50	N	30	50	10	100	70	30	100
080132	1,000	50	N	15	50	10	150	70	30	100
080133	3,000	30	N	10	50	7	150	50	30	100
080134	2,000	50	N	20	50	15	150	70	30	150
080135	1,000	50	N	20	30	10	150	100	50	150

Table 1.--Results of semiquantitative spectrographic analyses of selected cores from the Blacktail Mountain drilling site, Flathead County, Montana,--continued.

sample	FE%	MG%	CA%	TI%	MN	AG	B	BA	BE	BI	CO	CR
080136	2.0	2.0	5.00	.30	2,000	1.5	70	700	2.0	<10	15	70
080137	3.0	2.0	3.00	.30	1,500	.5	70	500	2.0	<10	15	70
080138 1/	3.0	2.0	2.00	.30	1,000	N	70	700	2.0	N	20	100
080139	2.0	2.0	3.00	.20	1,500	N	70	500	2.0	N	15	100
080140	1.5	5.0	1.00	.30	700	N	70	700	3.0	N	10	100
080141	2.0	5.0	1.00	.30	500	N	70	700	2.0	N	15	100
080142	1.5	3.0	1.00	.30	500	N	70	500	1.5	N	15	70
080143	1.5	3.0	1.50	.20	700	N	70	700	1.5	N	5	70
080144	2.0	3.0	1.50	.20	700	N	70	700	1.5	N	10	70
080145	3.0	3.0	.50	.30	500	N	70	2,000	3.0	N	15	100
080146	3.0	3.0	1.00	.30	700	.7	100	1,500	3.0	N	10	100
080147	3.0	2.0	.70	.30	500	N	70	2,000	1.5	N	10	70
080148	2.0	2.0	.50	.20	500	N	70	3,000	1.5	N	10	50
080149	2.0	2.0	.30	.20	300	N	70	1,500	2.0	N	10	50
080150	2.0	2.0	.20	.30	300	N	70	1,500	2.0	N	10	70
080151	3.0	2.0	.10	.30	500	3.0	70	700	2.0	N	15	70
080152	3.0	2.0	.10	.30	300	N	70	1,500	2.0	N	10	100
080153	5.0	2.0	.30	.30	500	N	70	1,000	2.0	N	10	100
080154	3.0	2.0	.15	.30	200	N	70	700	2.0	N	10	70
080155	3.0	2.0	.30	.30	300	<.5	70	1,000	2.0	N	10	100
080156	3.0	2.0	.30	.30	700	<.5	70	1,000	3.0	N	10	100
080157	2.0	2.0	1.00	.30	700	N	70	700	2.0	N	7	100
080158	3.0	2.0	.50	.50	500	N	70	700	2.0	N	10	100
080159	1.5	1.5	.50	.20	500	N	70	500	2.0	N	7	70
080160	1.5	2.0	.50	.30	500	N	70	700	2.0	N	7	70
080161	2.0	2.0	.15	.30	700	N	70	700	2.0	N	7	70
080162	2.0	2.0	2.00	.30	1,000	2.0	70	700	3.0	N	7	100
080163 1/	3.0	2.0	1.00	.30	500	N	70	1,000	3.0	N	7	150
080164 1/	2.0	2.0	.30	.30	500	N	70	700	2.0	N	15	70
080165	3.0	3.0	1.00	.30	700	N	70	700	.5	N	15	100
080166	2.0	2.0	1.00	.20	700	2.0	70	700	1.5	N	7	100
080167	3.0	1.5	.10	.30	1,000	N	70	700	2.0	N	7	100
080168	2.0	.7	.10	.30	500	N	70	500	2.0	N	5	70
080169	2.0	1.0	.20	.30	500	N	70	700	2.0	N	7	100
080170	2.0	1.5	.15	.30	500	N	70	700	2.0	N	7	100
080171	3.0	2.0	1.00	.30	500	N	70	700	2.0	N	10	70
080172	2.0	2.0	1.00	.20	500	N	70	1,000	2.0	N	10	100
080173	1.5	1.0	1.50	.30	500	N	70	500	1.5	N	5	70
080174	2.0	1.5	2.00	.30	700	N	70	500	2.0	N	5	70
080175	1.5	1.5	.50	.30	300	N	70	300	1.5	N	7	70
080176	5.0	3.0	1.50	.50	500	N	70	1,000	3.0	N	15	150
080177	3.0	2.0	.30	.30	700	N	70	1,000	3.0	N	15	150
080178	3.0	2.0	3.00	.30	1,000	N	70	700	2.0	N	10	50
080179	5.0	2.0	2.00	.30	1,000	N	70	700	2.0	N	15	70
080180	3.0	3.0	3.00	.20	1,500	N	70	500	2.0	N	15	50

See footnotes at end of table.

Table 1.--Results of semiquantitative spectrographic analyses of selected cores from the Blacktail Mountain drilling site, Flathead County, Montana,--continued.

sample	CU	LA	MO	NI	PB	SC	SR	V	Y	ZR
080136	500	70	N	20	30	15	100	100	50	200
080137	100	70	N	20	30	10	<100	70	30	150
080138 1/	70	70	N	20	30	15	N	100	50	200
080139	20	70	N	20	30	10	100	100	50	300
080140	10	70	N	20	30	15	<100	150	50	200
080141	7	70	N	30	30	15	N	150	50	300
080142	7	50	N	30	30	10	N	100	50	300
080143	5	50	N	15	30	7	N	50	50	300
080144	20	50	N	20	30	10	N	100	50	300
080145	50	70	N	30	30	15	N	100	50	300
080146	100	70	N	20	50	15	N	150	70	300
080147	15	30	N	20	30	10	100	70	50	300
080148	7	50	N	20	30	10	<100	70	50	200
080149	10	30	N	20	30	10	N	70	50	300
080150	15	70	N	20	30	10	N	100	50	300
080151	30	70	N	20	30	10	N	70	50	200
080152	20	70	N	20	30	15	N	100	50	200
080153	10	70	N	20	30	15	N	150	50	200
080154	10	50	N	20	30	10	N	100	50	200
080155	10	70	N	20	30	15	N	100	50	150
080156	10	70	N	20	30	15	N	150	50	200
080157	5	70	N	20	30	10	N	100	50	200
080158	<5	70	N	30	30	10	N	150	50	200
080159	<5	50	N	20	30	7	N	70	50	150
080160	<5	50	N	30	20	10	N	100	50	150
080161	<5	50	N	20	30	10	N	100	50	200
080162 1/	<5	70	N	20	30	15	N	150	50	200
080163 1/	<5	100	N	20	30	15	N	150	70	300
080164 1/	<5	50	N	30	30	10	N	100	50	300
080165	5	50	N	30	30	10	N	100	50	200
080166	<5	50	N	20	30	10	N	70	50	150
080167	<5	50	N	20	30	15	N	100	50	300
080168	10	30	N	10	30	7	N	70	50	150
080169	20	50	N	20	30	10	N	70	50	200
080170	30	50	N	30	30	15	N	100	50	300
080171	10	50	N	30	50	10	N	100	50	300
080172	5	50	N	30	30	10	N	100	50	300
080173	<5	20	N	15	30	7	N	50	30	200
080174	7	30	N	15	30	10	N	70	50	200
080175	15	30	N	20	50	10	<100	70	50	200
080176	30	100	N	30	50	20	N	150	50	200
080177	30	70	N	30	50	15	N	150	50	200
080178	20	70	N	20	30	15	N	100	50	150
080179	30	70	N	30	30	15	N	100	50	150
080180	7	70	N	30	30	10	<100	70	50	200

See footnotes at end of table.

Table 1.--Results of semiquantitative spectrographic analyses of selected cores from the Blacktail Mountain drilling site, Flathead County, Montana,--continued.

Sample	FE%	MG%	CA%	TI%	MN	AG	B	BA	BE	BI	CO	CR
080181	3.0	2.0	3.00	.20	1,000	N	70	500	2.0	N	15	70
080182	3.0	3.0	3.00	.20	1,000	N	70	700	3.0	N	10	70
080183	5.0	1.5	.30	.30	300	3.0	70	700	3.0	N	10	70
080184	3.0	2.0	.70	.20	500	N	70	700	3.0	N	10	70
080185	3.0	5.0	3.00	.30	1,000	N	70	700	2.0	N	15	70
080186	2.0	3.0	3.00	.20	1,500	N	70	500	2.0	N	7	70
080187	2.0	3.0	3.00	.20	1,500	N	70	700	2.0	N	7	50
080188	2.0	3.0	3.00	.30	1,000	N	70	700	3.0	N	10	70
080189	1.0	1.0	2.00	.15	700	N	70	700	1.5	N	5	50
080190	1.0	1.0	2.00	.15	700	N	70	500	1.5	N	N	50
080191	1.5	1.0	2.00	.20	700	N	50	700	1.5	N	5	50
080192	2.0	1.5	1.50	.20	700	N	50	700	1.5	N	7	50
210001	3.0	2.0	1.00	.30	300	N	70	1,000	3.0	N	7	70
210002	3.0	2.0	1.00	.30	300	N	70	1,500	2.0	N	10	70
210003	3.0	1.5	.50	.30	200	N	70	700	2.0	N	10	70
210004	3.0	1.5	.70	.30	300	N	70	700	3.0	N	7	30
210005	5.0	2.0	.70	.30	200	N	70	1,500	3.0	N	7	70
210006	5.0	1.5	.50	.30	150	N	70	1,000	3.0	N	7	70
210007	2.0	1.0	.70	.20	500	N	50	300	2.0	N	N	30
210008	2.0	1.0	1.00	.20	700	.7	50	500	2.0	N	N	50
210009	5.0	2.0	.70	.30	300	N	70	700	3.0	N	7	70
210010	5.0	1.5	.50	.30	300	N	50	700	2.0	N	7	70
210011	5.0	2.0	.70	.30	300	N	70	700	3.0	N	10	70
210012	5.0	3.0	.70	.30	500	.7	70	700	2.0	N	15	70
210013	5.0	3.0	.70	.30	300	N	70	1,000	3.0	N	20	70
210014	5.0	3.0	2.00	.30	1,000	N	70	1,000	3.0	N	15	70
210015	5.0	5.0	2.00	.30	1,000	N	70	1,000	3.0	N	15	70
210016	5.0	5.0	3.00	.30	1,000	N	70	700	3.0	N	15	70
210017	5.0	7.0	3.00	.30	1,500	N	70	700	2.0	N	15	100
210018	3.0	7.0	5.00	.20	1,500	N	70	700	1.5	N	15	100
210019	5.0	7.0	3.00	.30	1,500	N	70	700	2.0	N	20	150
210020	5.0	10.0	7.00	.30	2,000	N	70	700	2.0	N	15	70
210021	3.0	7.0	10.00	.20	2,000	N	50	500	1.5	N	10	70
210022	3.0	10.0	7.00	.30	2,000	N	70	700	2.0	N	15	70
210023	2.0	5.0	5.00	.30	1,500	2.0	30	300	1.5	N	7	70
210024	2.0	7.0	5.00	.20	1,500	.7	70	700	2.0	N	15	100
210025	3.0	5.0	3.00	.30	1,000	10.0	70	1,000	3.0	20	15	70
210026	3.0	7.0	5.00	.30	1,500	3.0	70	700	2.0	N	15	100
210027	5.0	7.0	10.00	.30	2,000	5.0	70	700	2.0	<10	15	70
210028	3.0	7.0	10.00	.30	3,000	7.0	70	700	2.0	10	10	70
210029	3.0	7.0	10.00	.30	3,000	3.0	70	500	1.5	<10	10	70
210030	3.0	7.0	7.00	.20	2,000	5.0	70	500	2.0	N	15	70
210031	3.0	7.0	7.00	.30	3,000	7.0	70	700	2.0	N	15	70
210032	3.0	7.0	5.00	.20	1,500	1.5	70	700	2.0	N	20	100
210033	5.0	7.0	3.00	.30	1,500	1.5	70	700	2.0	N	30	100

Table 1.--Results of semiquantitative spectrographic analyses of selected cores from the Blacktail Mountain drilling site, Flathead County, Montana,--continued.

sample	CU	LA	MO	NI	PB	SC	SR	V	Y	ZR
080181	10	50	N	30	30	10	100	70	5[illegible]	200
080182	15	50	N	20	30	10	<100	70	50	200
080183	20	50	N	20	30	10	N	100	5[illegible]	200
080184	20	70	N	20	30	10	N	100	[illegible]0	200
080185	20	100	N	30	30	15	N	150	[illegible]0	200
080186	<5	50	N	20	30	7	N	70	[illegible]0	200
080187	N	50	N	20	30	10	N	70	5[illegible]	150
080188	<5	70	N	30	30	15	N	100	[illegible]0	200
080189	7	50	N	15	30	7	N	70	5[illegible]	150
080190	5	50	N	15	30	7	N	50	[illegible]0	150
080191	20	50	N	15	30	7	N	70	[illegible]0	200
080192	15	50	N	20	30	7	<100	100	[illegible]0	150
210001	<5	70	N	15	20	15	N	100	5[illegible]	300
210002	<5	70	N	30	30	15	N	100	5[illegible]	300
210003	<5	70	N	30	30	10	N	70	[illegible]0	300
210004	<5	70	N	20	30	10	N	70	[illegible]0	200
210005	N	100	N	20	30	15	N	150	70	300
210006	<5	70	N	70	30	15	N	150	70	300
210007	7	50	N	10	30	7	N	30	50	300
210008	30	50	N	5	30	7	N	50	50	500
210009	20	70	N	30	30	15	N	150	50	300
210010	10	70	N	20	30	15	N	100	50	300
210011	15	70	N	20	30	15	N	150	70	300
210012	15	70	N	30	30	15	N	150	50	300
210013	30	50	N	50	30	15	N	150	50	300
210014	30	70	N	30	30	15	N	150	50	300
210015	50	70	N	20	30	15	N	150	70	200
210016	50	70	N	30	30	15	N	150	50	300
210017	<5	70	N	30	30	15	N	150	50	200
210[illegible]3	<5	30	N	20	30	15	N	100	70	200
210019	<5	100	N	30	30	20	N	150	70	200
210020	<5	50	N	30	30	15	<100	150	70	200
210021	5	30	N	10	30	10	100	100	50	300
210022	5	70	N	20	30	15	100	100	50	200
210023	300	50	N	20	30	10	N	100	30	150
210024	200	50	N	30	30	15	100	100	30	200
210025	5,000	70	5	30	30	15	100	100	50	150
210026	1,500	70	N	70	30	15	100	100	30	200
210027	2,000	70	N	30	30	15	100	150	70	150
210028	3,000	70	N	20	50	10	150	100	50	150
210029	1,500	70	<5	20	30	10	150	70	50	200
210030	2,000	70	<5	20	30	15	150	70	50	300
210031	2,000	70	N	20	50	15	100	100	50	150
210032	1,000	70	N	30	30	15	N	70	50	300
210033	1,000	70	N	30	30	20	N	100	50	300

Table 1.--Results of semiquantitative spectrographic analyses of selected cores from the Blacktail Mountain drilling site, Flathead County, Montana,--continued.

sample	FE%	MG%	CA%	TI%	MN	AG	B	BA	BE	BI	CO	CR
210034	3.0	7.0	3.00	.30	1,500	<.5	70	1,000	2.0	N	15	70
210035	3.0	7.0	3.00	.30	1,000	N	70	700	2.0	N	15	70
210036	5.0	5.0	1.00	.30	700	N	100	700	2.0	N	15	150
210037	5.0	3.0	1.50	.30	700	N	70	700	2.0	N	30	100
210038	2.0	3.0	2.00	.30	1,500	N	70	500	2.0	N	7	70
210039	2.0	3.0	1.50	.30	1,500	N	70	700	1.5	N	7	70
210040	3.0	2.0	1.00	.70	700	N	100	700	1.5	N	10	100
210041	3.0	2.0	1.00	.30	700	N	70	1,000	2.0	N	10	100
210042	5.0	3.0	.70	.30	500	N	70	1,500	3.0	N	15	70
210043	5.0	3.0	.50	.50	500	N	70	3,000	2.0	N	15	100
210044	5.0	3.0	.70	.30	500	N	70	2,000	1.5	N	15	100
210045 1/	7.0	2.0	.20	.30	300	N	70	2,000	2.0	N	15	70
210046	7.0	3.0	.30	.50	300	N	70	1,500	2.0	N	15	100
210047	7.0	2.0	.07	.50	200	N	70	1,000	3.0	N	10	70
210048	7.0	2.0	.20	.50	300	N	70	1,000	3.0	N	10	100
210049	7.0	2.0	.15	.50	200	N	70	1,000	2.0	N	10	70
210050	7.0	5.0	1.00	.50	500	N	70	1,000	2.0	N	20	70
210051	7.0	5.0	1.50	.50	700	N	70	1,000	2.0	N	15	100
210052	5.0	3.0	1.00	.50	700	.5	70	1,000	2.0	N	15	100
210053	3.0	3.0	.70	.30	700	N	70	700	2.0	N	15	50
210054	5.0	3.0	.70	.30	500	N	70	700	2.0	N	15	70
210055	5.0	3.0	1.50	.30	700	N	70	700	2.0	N	15	70
210056	3.0	3.0	1.00	.30	500	N	70	700	2.0	N	10	70
210057	7.0	3.0	1.50	.50	500	N	70	1,000	2.0	N	15	100
210058	5.0	3.0	.20	.50	300	N	70	1,000	2.0	N	15	70
210059	5.0	3.0	1.50	.50	700	N	70	1,000	2.0	N	15	70
210060	3.0	2.0	.70	.30	700	N	70	700	1.5	N	7	70
210061	5.0	2.0	1.00	.50	700	N	70	1,000	2.0	N	7	70
210062	3.0	1.5	.15	.30	200	N	70	1,000	1.5	N	7	70
210063	5.0	2.0	.70	.30	500	N	70	1,000	2.0	N	7	50
210064	5.0	3.0	1.00	.50	500	N	70	1,000	2.0	N	7	70
210065	3.0	2.0	1.00	.30	500	N	70	1,000	1.5	N	5	50
210066	7.0	2.0	.50	.50	300	N	70	1,000	1.5	N	7	70
210067	5.0	2.0	1.00	.50	700	N	70	1,000	2.0	N	10	70
210068	3.0	1.5	1.50	.30	700	N	70	700	1.5	N	5	50
210069	3.0	2.0	1.00	.30	500	N	70	700	2.0	N	7	70
210070	7.0	1.5	.20	.50	300	N	70	700	2.0	N	15	150
210071	7.0	3.0	2.00	.50	700	N	70	700	3.0	N	15	150
210072	7.0	1.5	.30	.50	300	N	70	700	3.0	N	15	70
210073	7.0	2.0	3.00	.50	1,500	N	70	500	2.0	N	15	70
210074	5.0	3.0	2.00	.30	1,500	N	70	700	3.0	N	10	70
210075	5.0	5.0	3.00	.50	1,500	N	70	700	2.0	N	10	100
210076	7.0	5.0	3.00	.50	1,500	N	70	700	3.0	N	10	100
210077	5.0	5.0	3.00	.30	1,500	N	70	700	3.0	N	10	100
210078	7.0	3.0	1.50	.50	1,000	N	70	700	3.0	N	10	70

See footnotes at end of table

Table 1.--Results of semiquantitative spectrographic analyses of selected cores from the Blacktail Mountain drilling site, Flathead County, Montana,--continued.

sample	CU	LA	MO	NI	PB	SC	SR	V	Y	ZR
210034	200	70	N	30	30	15	N	150	50	300
210035	30	70	N	20	30	15	100	100	50	300
210036	10	70	N	30	30	15	N	100	50	300
210037	10	70	N	30	30	15	N	150	50	300
210038	10	70	N	15	30	10	N	70	50	200
210039	10	70	N	20	30	10	N	70	50	300
210040	30	70	N	20	30	15	N	100	50	300
210041	70	70	N	20	30	15	N	100	50	300
210042	70	70	N	20	30	10	N	70	50	500
210043	50	70	N	30	30	15	300	70	50	500
210044 1/	20	70	N	30	30	15	100	70	50	300
210045 1/	20	70	N	30	30	15	N	70	50	300
210046	30	70	N	30	30	15	N	100	50	300
210047	30	70	N	30	30	15	N	150	50	200
210048	15	70	N	30	30	20	N	150	70	300
210049	30	70	N	20	30	15	N	150	50	200
210050	20	70	N	50	30	15	N	150	50	300
210051	20	100	N	30	50	15	<100	150	70	200
210052	10	70	N	30	30	15	<100	150	50	300
210053	7	70	N	20	30	10	N	100	50	200
210054	<5	70	N	30	30	15	N	100	50	200
210055	5	70	N	30	30	15	N	100	50	300
210056	<5	70	N	20	30	15	N	150	50	200
210057	<5	100	N	30	30	15	N	150	50	200
210058	<5	70	N	50	30	15	N	100	50	300
210059	<5	70	N	30	30	15	N	150	50	200
210060	<5	50	N	15	30	10	N	70	50	200
210061	<5	70	N	20	30	15	N	100	50	200
210062	<5	50	N	20	30	10	N	70	50	300
210063	7	30	N	20	30	10	N	70	50	300
210064	10	70	N	20	30	15	N	100	50	300
210065	<5	70	N	15	30	10	N	70	50	200
210066	5	70	N	20	30	10	N	100	30	200
210067	<5	70	N	20	30	15	N	70	50	300
210068	7	50	N	15	30	10	N	70	30	200
210069	15	70	N	20	30	10	<100	70	50	200
210070	20	70	N	30	30	15	N	150	70	300
210071	15	70	N	30	50	15	N	150	70	300
210072	15	50	N	30	30	15	N	150	50	300
210073	7	70	N	30	30	15	N	150	50	300
210074	30	70	N	20	30	15	N	150	50	300
210075	20	70	N	30	30	15	N	150	50	300
210076	5	70	N	30	30	15	N	150	50	300
210077	7	70	N	20	30	15	N	150	50	300
210078	10	70	N	30	30	15	N	150	50	300

Table 1.--Results of semiquantitative spectrographic analyses of selected cores from the Blacktail Mountain drilling site, Flathead County, Montana,--continued.

Sample	FE%	MG%	CA%	TI%	MN	AG	B	BA	BE	BI	CO	CR
210079	3.0	1.5	.50	.30	300	N	70	500	3.0	N	15	30
210080	10.0	7.0	5.00	.50	1,500	N	70	1,000	3.0	N	10	150
210081	7.0	7.0	7.00	.50	2,000	N	70	1,000	3.0	N	15	100
210082	5.0	7.0	7.00	.50	2,000	N	70	700	2.0	N	15	70
210083	7.0	7.0	5.00	.50	1,500	N	70	1,000	3.0	N	10	100
210084	3.0	5.0	3.00	.50	2,000	N	70	1,000	2.0	N	10	150
210085	2.0	2.0	2.00	.30	1,500	N	70	700	2.0	N	5	70
210086	2.0	.7	1.50	.30	1,000	N	50	500	1.5	N	5	70
210087	1.5	.5	.10	.20	1,000	N	50	500	1.5	N	<5	70
210088	1.5	1.5	2.00	.30	1,500	N	50	500	1.5	N	N	50
210089	3.0	2.0	2.00	.50	1,000	N	50	700	2.0	N	15	70
210090	3.0	2.0	2.00	.50	1,000	.5	70	1,000	3.0	N	15	50
210091	3.0	1.5	1.50	.30	700	N	70	700	2.0	N	15	70
210092	5.0	1.5	1.50	.70	700	N	70	700	3.0	N	10	100
210092	7.0	3.0	1.50	.30	700	N	70	700	2.0	N	10	100
210093	7.0	3.0	1.00	.70	500	.5	70	1,500	1.0	N	7	150
210094	5.0	2.0	1.50	.50	700	N	70	700	3.0	N	10	70
210096	7.0	3.0	1.00	.50	500	N	70	1,000	2.0	N	10	150
210097	3.0	1.5	.70	.30	300	N	70	700	2.0	N	5	70
210098	5.0	2.0	1.00	.30	500	N	70	700	3.0	N	7	70
210099	3.0	1.5	.70	.30	500	N	70	700	3.0	N	7	50
210100	7.0	3.0	1.50	.30	700	N	70	700	3.0	N	15	70
210101	5.0	1.5	.70	.30	300	N	70	700	3.0	N	10	70
210102	5.0	1.5	.50	.30	500	N	70	700	2.0	N	10	100
210103	5.0	2.0	1.00	.30	500	N	70	700	3.0	N	7	150
210104	5.0	2.0	1.50	.30	700	N	70	700	3.0	N	10	100
210105	5.0	1.5	.70	.30	300	N	70	700	3.0	N	10	100
210106 2/	7.0	2.0	.70	.50	500	N	70	700	3.0	N	10	150
260001	2.0	1.5	1.50	.30	700	N	70	700	2.0	N	10	100
260002 3/	2.0	2.0	3.00	.30	700	N	70	1,000	1.5	N	10	100
260003 4/	2.0	.5	.10	.30	700	N	70	700	2.0	N	15	100
260004	1.5	.5	.07	.20	700	N	70	700	2.0	N	10	70
260005	2.0	.5	.05	.30	700	N	70	700	2.0	N	7	70
260006	3.0	.7	.07	.30	1,000	N	70	1,000	2.0	N	10	100
260007	2.0	.7	.50	.30	700	N	70	700	2.0	N	7	70
260008	2.0	.7	.10	.50	500	N	70	700	2.0	N	7	70
260009	3.0	3.0	3.00	.30	700	N	70	1,000	2.0	N	10	100
260010	2.0	3.0	3.00	.30	1,000	N	70	1,000	2.0	N	10	70
260011	2.0	2.0	3.00	.30	700	5.0	70	700	2.0	N	7	70
260012	2.0	1.0	.50	.50	700	N	70	700	2.0	N	10	70
260013	2.0	.7	.07	.30	700	N	70	700	1.5	N	10	70
260014	1.5	.7	.07	.30	700	.7	70	700	2.0	N	10	70
260015	3.0	1.0	.07	.30	700	N	70	1,000	3.0	N	10	100
260016	2.0	1.0	.10	.30	500	N	70	700	3.0	N	7	100
260017	3.0	1.5	.70	.50	500	N	100	1,000	2.0	N	10	100

See footnotes at end of table.

Table 1.--Results of semiquantitative spectrographic analyses of selected cores from the Blacktail Mountain drilling site, Flathead County, Montana,--continued.

sample	CU	LA	MO	NI	PB	SC	SR	V	Y	ZR
210079	15	50	N	30	30	7	N	70	50	300
210080	5	100	N	30	30	15	<100	150	70	300
210081	<5	70	N	30	30	15	<100	150	70	300
210082	<5	70	N	30	30	10	<100	100	70	300
210083	<5	100	N	30	30	15	N	200	100	300
210084	10	70	N	30	30	15	N	200	70	300
210085	20	50	N	15	30	7	<100	100	50	300
210086	20	50	N	10	30	7	N	70	50	300
210087	50	50	N	10	30	5	N	70	50	200
210088	50	N	N	5	30	7	N	70	50	200
210089	30	70	N	70	30	10	<100	150	50	300
210090	150	70	N	30	30	15	<100	150	50	300
210091	70	70	N	30	30	10	N	150	70	300
210092	70	70	10	70	30	15	N	150	70	200
210093	100	70	N	30	30	15	N	150	50	300
210093	150	70	N	15	70	20	N	150	50	150
210094	30	70	N	30	30	15	N	150	70	300
210096	50	70	N	30	30	20	N	150	50	300
210097	70	30	N	10	30	10	N	70	30	200
210098	50	70	N	20	30	15	N	70	50	300
210099	50	50	N	20	30	10	N	70	50	200
210100	30	70	N	30	15	15	N	100	50	300
210101	30	70	N	20	30	15	N	100	50	300
210102	50	70	N	30	30	15	N	70	50	200
210103	30	70	N	20	30	15	N	100	70	300
210104	15	70	N	20	30	15	N	100	50	200
210105	10	70	N	20	30	15	N	100	50	300
210106 2/	10	70	N	30	30	20	N	150	70	300
260001	<5	70	N	20	30	15	N	150	70	150
260002 3/	<5	70	N	20	30	15	<100	150	50	300
260003 4/	7	70	N	30	30	10	N	100	50	300
260004	7	50	N	20	30	10	N	100	50	300
260005	15	50	N	20	30	10	N	100	30	300
260006	5	70	N	30	30	15	N	100	50	300
260007	<5	70	N	20	30	10	N	100	50	300
260008	10	70	N	30	30	10	N	100	50	300
260009	5	70	N	30	30	15	N	150	50	150
260010	<5	50	N	20	30	10	N	100	50	150
260011	N	50	N	20	30	10	N	100	50	150
260012	5	70	N	20	30	10	N	100	70	200
260013	15	50	N	30	30	10	N	70	50	200
260014	10	30	N	20	30	10	N	100	30	150
260015	15	70	N	20	30	15	N	100	50	150
260016	15	70	N	20	30	15	N	70	30	150
260017	10	70	N	30	30	15	N	150	50	150

See footnotes at end of table.

Table 1.-- Results of semiquantitative spectrographic analyses of selected cores from the Blacktail Mountain drilling site, Flathead County, Montana,--continued.

sample	FE%	MG%	CA%	TI%	MN	AG	B	BA	DF	BI	CO	CR
260018	3.0	1.5	1.00	.30	500	50.0	70	1,000	2.0	N	10	70
260019	2.0	.7	.10	.30	700	N	70	700	2.0	N	5	70
260020	1.5	.5	.10	.30	700	1.5	70	700	2.0	N	5	70
260021	3.0	.7	.10	.50	700	N	70	700	2.0	N	7	70
260022	2.0	.7	.10	.50	1,000	N	70	1,000	2.0	N	7	70
260023	3.0	1.0	.07	.30	700	N	70	700	2.0	N	7	50
260024	2.0	1.0	.07	.30	700	N	70	500	1.5	N	7	50
260025	3.0	1.0	.15	.20	700	N	70	700	1.5	N	7	70
260026	3.0	1.0	.30	.20	500	N	70	700	2.0	N	7	70
260027	3.0	1.0	.15	.30	500	N	70	700	2.0	N	7	70
260028	2.0	1.0	.30	.20	500	N	70	700	2.0	N	7	50
260029	2.0	1.5	.15	.20	150	N	70	700	2.0	N	7	70
260030	2.0	1.5	.15	.30	150	N	70	700	3.0	N	7	100
260031	1.5	1.0	.70	.30	300	N	70	500	2.0	N	7	70
260032	2.0	1.5	1.00	.30	300	N	70	700	2.0	N	7	70
260033	2.0	1.5	1.00	.30	300	N	70	700	2.0	N	7	70
260034	2.0	1.5	1.00	.30	300	N	70	700	2.0	N	7	70
260035	1.5	1.5	1.50	.20	300	N	70	700	2.0	N	10	70
260036	2.0	1.5	1.50	.20	500	N	70	700	2.0	N	10	70
260037	3.0	1.5	1.00	.30	500	<.5	70	1,000	2.0	N	10	100
260038	2.0	1.5	1.50	.20	300	.5	70	1,000	2.0	N	10	70
260039	1.5	1.5	.70	.30	300	N	70	1,000	2.0	N	10	70
260040	2.0	1.5	.30	.30	300	N	70	500	2.0	N	10	70
260041	2.0	1.5	1.00	.30	500	N	70	500	2.0	N	15	70
260042	1.5	1.0	1.00	.15	300	N	70	300	1.5	N	10	50
260043	1.5	1.5	.70	.20	500	N	70	700	2.0	N	10	50
260044	1.5	2.0	1.00	.20	300	1.5	50	300	1.0	N	10	100
260045	2.0	3.0	1.50	.30	500	N	70	500	2.0	N	10	70
260046	2.0	2.0	.70	.50	300	<.5	70	700	3.0	N	15	150
260047	1.5	2.0	1.50	.30	700	N	70	300	2.0	N	15	70
260048	2.0	3.0	2.00	.30	700	N	70	500	2.0	N	10	70
260049	1.5	2.0	1.50	.30	500	N	70	700	2.0	N	10	70
260050	1.5	3.0	2.00	.30	700	N	70	500	1.5	N	10	70
260051	2.0	2.0	2.00	.20	700	N	70	300	1.5	N	10	50
260052	2.0	5.0	5.00	.30	1,000	1.0	70	500	2.0	N	10	70
260053	2.0	3.0	1.50	.20	700	N	70	500	2.0	N	10	100
260054	2.0	3.0	3.00	.20	700	N	70	500	2.0	N	10	70
260055	1.5	3.0	3.00	.20	700	N	70	700	2.0	N	10	70
260056	1.5	3.0	3.00	.30	700	.5	70	700	2.0	N	10	100
260057	2.0	5.0	3.00	.30	1,000	.5	70	700	2.0	N	15	100
260058	2.0	5.0	3.00	.20	1,000	<.5	70	700	2.0	N	10	70
260059	2.0	3.0	3.00	.20	1,000	<.5	70	500	1.5	N	10	70
260060	2.0	5.0	3.00	.20	700	<.5	70	700	2.0	N	10	70
260061	2.0	3.0	3.00	.20	700	1.0	70	700	2.0	N	7	70
260062	1.5	2.0	3.00	.20	1,000	3.0	70	500	2.0	<10	7	70

Table 1.-- Results of semiquantitative spectrographic analyses of selected cores from the Blacktail Mountain drilling site, Flathead County, Montana,--continued.

Sample	CU	LA	MO	NI	PB	SC	SR	V	Y	ZR
260018	<5	30	N	30	30	10	N	100	50	150
260019	20	30	N	15	30	10	N	70	50	300
260020	20	30	N	15	30	7	N	70	30	200
260021	20	30	N	30	30	10	N	100	30	200
260022	15	50	N	20	30	10	N	100	30	150
260023	30	50	N	20	30	10	N	100	50	200
260024	50	50	N	20	30	10	N	70	50	200
260025	20	50	N	20	30	10	N	70	50	200
260026	30	70	N	30	30	15	N	100	50	200
260027	20	70	N	30	30	10	N	100	50	300
260028	20	70	N	20	30	10	N	70	50	300
260029	70	70	N	20	30	15	N	100	50	200
260030	10	70	N	20	30	15	N	100	50	200
260031	20	50	N	20	30	10	N	70	50	200
260032	15	50	N	20	30	15	N	100	50	200
260033	20	30	N	20	30	15	N	100	50	150
260034	20	50	N	20	30	15	N	100	50	200
260035	30	50	N	20	30	10	N	70	30	200
260036	30	50	N	20	30	10	N	70	50	150
260037	100	70	N	20	30	15	N	150	50	200
260038	100	70	N	30	30	10	N	100	50	200
260039	50	70	N	20	30	15	N	100	50	200
260040	30	50	N	20	30	10	N	100	50	200
260041	15	50	N	30	30	10	N	100	50	300
260042	5	50	N	20	20	10	N	50	50	150
260043	5	50	N	15	30	10	N	70	30	150
260044	200	50	N	20	30	10	N	100	30	150
260045	15	70	N	20	30	15	N	100	50	200
260046	5	70	N	30	30	15	N	150	50	200
260047	10	50	N	20	30	15	<100	100	50	200
260048	5	70	N	20	30	15	<100	100	50	150
260049	<5	70	N	20	30	15	N	100	50	150
260050	20	50	N	20	30	10	<100	70	50	150
260051	20	50	N	20	30	10	100	70	50	150
260052	15	70	N	20	30	15	100	100	50	150
260053	15	50	N	20	30	15	<100	100	50	150
260054	20	70	N	20	30	10	100	100	50	150
260055	70	70	N	20	30	10	N	100	50	200
260056	200	70	10	20	30	15	100	100	70	200
260057	15	70	N	30	30	15	100	100	70	150
260058	70	70	N	20	30	10	100	100	50	150
260059	70	70	N	20	30	10	<100	100	50	150
260060	70	70	N	20	30	10	<100	100	50	200
260061	200	70	N	15	50	10	<100	100	50	150
260062	1,000	50	<5	20	70	7	N	70	70	150

Table 1.-- Results of semiquantitative spectrographic analyses of selected cores from the Blacktail Mountain drilling site, Flathead County, Montana,--continued.

Sample	FE%	MG%	CA%	TI%	MN	AG	B	BA	BE	BI	CO	CR
260063	2.0	3.0	2.00	.30	1,500	2.0	70	700	1.5	<10	10	100
260064 1/	2.0	2.0	.20	.30	700	3.0	70	500	2.0	<10	15	70
260065	3.0	3.0	.10	.30	1,500	1.5	70	700	2.0	<10	20	70
260066	2.0	3.0	.10	.20	1,500	2.0	70	500	2.0	<10	15	70
260067	2.0	3.0	.70	.30	1,000	7.0	70	700	2.0	<10	15	100
260068	2.0	2.0	.15	.30	1,500	5.0	70	700	1.5	<10	15	70
260069	2.0	2.0	.15	.30	3,000	3.0	70	700	1.5	N	15	70
260070	2.0	2.0	.15	.20	2,000	1.5	70	1,000	1.5	N	10	70
260071	2.0	2.0	.15	.20	3,000	1.0	70	700	1.5	N	10	70
260072	3.0	2.0	.20	.20	3,000	.5	70	700	2.0	N	10	70
260073	2.0	3.0	.30	.30	2,000	1.0	70	700	1.5	N	10	70
260074	1.5	3.0	3.00	.30	1,500	<.5	70	700	1.5	N	7	100
260075	1.5	5.0	3.00	.20	1,500	.5	70	700	1.5	N	7	70
260076	1.5	3.0	3.00	.20	1,000	N	70	500	1.5	N	5	70
260077	1.5	3.0	3.00	.20	700	1.5	70	1,000	1.5	N	5	100
260078	1.5	1.5	1.50	.20	500	3.0	70	1,000	1.0	N	7	50
260079	1.5	1.5	.20	.30	700	1.5	70	700	1.0	N	7	70
260080	1.5	1.5	.07	.20	300	10.0	50	200	1.0	N	7	50
260081	1.5	1.5	.07	.30	200	.7	70	300	1.5	N	15	70
260082	1.5	1.5	.10	.30	500	1.0	70	500	2.0	N	7	70
260083	1.5	1.5	.07	.20	200	.7	70	300	1.5	N	7	70
260084	1.5	1.5	.05	.20	200	.7	70	500	1.5	N	10	100
260085	1.5	1.5	.50	.30	300	<.5	70	500	2.0	N	10	100
260086	1.5	1.5	.07	.30	200	3.0	70	500	1.5	N	10	100
260087	1.0	1.0	.07	.15	300	.7	70	300	1.0	N	5	70
260088	1.0	.7	.07	.20	300	.7	70	300	1.0	N	<5	70
260089	1.5	1.5	.30	.30	300	N	70	300	1.5	N	7	70
260090	1.5	1.5	.05	.30	200	.5	70	300	1.5	N	7	50
260091	1.5	1.5	.10	.20	150	<.5	70	500	2.0	N	7	70
260092	2.0	1.5	.07	.30	300	N	70	500	2.0	N	7	70
260093	1.5	1.5	.07	.20	200	N	70	300	1.5	N	7	50
260094	2.0	2.0	.20	.50	500	N	100	700	2.0	N	7	70
260095	2.0	2.0	.50	.30	500	N	100	700	2.0	N	7	100
260096	2.0	2.0	1.50	.30	500	2.0	70	1,000	2.0	N	7	70
260097	3.0	5.0	3.00	.30	1,000	N	70	1,000	2.0	N	7	100
260098	3.0	2.0	1.00	.70	700	N	70	500	1.0	N	7	70
260099	2.0	2.0	1.00	.30	700	N	70	700	1.5	N	7	70
260100	3.0	2.0	1.50	.30	700	N	70	700	1.5	N	7	70
260101	3.0	1.5	.10	.50	700	N	100	700	2.0	N	7	100
260102	1.5	1.0	.10	.20	300	N	70	500	1.5	N	5	70
260103	1.5	1.0	.15	.30	500	N	70	500	1.5	N	7	70
260104	2.0	.7	.10	.30	500	N	70	300	1.5	N	7	70
260105	3.0	1.5	.07	.30	150	N	70	500	1.5	N	7	70
260106	3.0	1.0	.07	.30	200	.5	70	500	1.5	N	7	70
260107	2.0	1.0	.07	.20	300	N	70	500	1.5	N	7	70

Table 1.--Results of semiquantitative spectrographic analyses of selected rocks from the Blacktail Mountain drilling site, Flathead County, Montana--Continued

Sample	CU	LA	MO	NI	PB	SC	SR	V	Y	ZR
260062	1,500	70	N	20	30	10	N	100	50	200
260064	1,000	50	N	30	70	10	N	100	50	150
260065 1/	700	70	N	30	70	15	N	150	50	200
260066	1,500	70	<5	20	50	10	N	100	50	150
260067	2,000	70	N	30	30	10	N	100	50	150
260068	1,500	70	N	20	50	10	N	70	50	150
260069	1,000	70	N	20	70	10	N	100	50	150
260070	300	50	N	20	30	10	N	70	50	150
260071	150	70	N	20	30	10	N	70	50	150
260072	50	70	N	30	30	7	N	100	50	150
260073	200	70	N	30	30	10	N	70	50	200
260074	200	70	N	20	30	10	<100	100	50	150
260075	150	70	N	20	30	7	<100	70	50	150
260076	30	70	N	15	30	10	<100	70	50	150
260077	70	70	N	15	30	10	100	70	50	200
260078	1,500	30	N	20	30	5	N	70	50	300
260079	500	50	N	20	30	7	N	70	50	300
260080	150	30	N	15	20	7	N	70	50	200
260081	150	70	N	30	30	10	N	100	50	200
260082	200	70	N	20	30	15	N	100	50	200
260083	70	70	N	20	30	7	N	70	50	200
260084	150	50	N	30	30	15	N	100	30	200
260085	50	70	N	20	30	15	N	100	30	200
260086	70	70	N	30	30	15	N	150	50	300
260087	100	70	N	15	30	5	N	70	30	300
260088	100	50	N	15	30	7	N	70	30	200
260089	30	50	N	15	30	7	N	70	30	300
260090	70	30	N	15	30	7	N	70	30	100
260091	50	70	N	15	30	10	N	70	50	150
260092	15	50	N	15	30	10	N	100	30	150
260093	20	30	N	20	30	10	N	70	30	150
260094	30	50	N	30	30	15	N	100	50	300
260095	30	50	N	20	30	15	N	100	50	200
260096	70	70	N	20	30	10	N	100	50	200
260097	50	50	N	15	30	15	N	100	50	300
260098	70	70	N	20	30	7	N	70	70	500
260099	50	70	N	20	30	10	N	70	50	200
260100	20	50	N	30	30	10	N	70	50	200
260101	15	50	N	20	30	15	N	100	50	200
260102	10	30	N	20	30	7	N	50	50	200
260103	15	50	N	20	30	7	N	50	50	200
260104	20	30	N	15	30	7	N	50	50	300
260105	15	50	N	20	30	10	N	100	50	200
260106	100	50	N	20	30	10	N	100	50	300
260107	30	70	N	15	70	10	N	100	50	200

See footnotes at end of table.

Table 1.--Results of semiquantitative spectrographic analyses of selected cores from the Blacktail Mountain drilling site, Flathead County, Montana,--continued.

Sample	FE%	MG%	CA%	TI%	MN	AG	B	BA	BE	BI	CO	CR
[illegible]108	2.0	1.5	.07	.30	200	<.5	70	500	1.5	N	7	70
[illegible]109	3.0	1.5	.07	.20	500	<.5	70	500	1.5	N	7	70
[illegible]110	3.0	1.5	.07	.30	200	N	70	700	2.0	N	7	100
260111	2.0	.5	.07	.20	300	<.5	30	300	1.5	N	N	30
260112	3.0	1.0	.07	.30	300	N	70	700	3.0	N	5	70
260113	1.5	.3	.05	.15	300	.5	50	300	1.0	N	N	30
260114	1.5	1.0	.05	.15	200	N	50	300	1.5	N	5	30
260115	3.0	1.5	.30	.30	200	N	50	1,000	2.0	N	7	70
260116	3.0	3.0	.70	.20	300	N	70	1,500	1.5	N	10	50
260117	3.0	3.0	.20	.30	200	N	70	700	2.0	N	10	70
260118	3.0	2.0	.50	.30	500	N	70	1,000	3.0	N	7	100
260119	2.0	2.0	.50	.20	500	N	70	700	2.0	N	7	50
260120	3.0	3.0	1.50	.30	700	N	70	700	2.0	N	10	150
260121	2.0	5.0	1.50	.30	700	N	70	700	2.0	N	7	100
260122	2.0	5.0	2.00	.30	700	N	70	700	2.0	N	7	100
260123	2.0	7.0	3.00	.20	1,000	N	70	500	2.0	N	10	70
260124	2.0	7.0	7.00	.15	1,500	N	70	700	1.5	N	7	50
260125	2.0	7.0	5.00	.15	1,500	N	70	500	2.0	N	7	70
260126	2.0	10.0	5.00	.20	1,500	N	70	700	1.5	N	10	70
260127	3.0	7.0	7.00	.20	2,000	N	70	500	1.5	N	10	70
260128	2.0	5.0	5.00	.20	1,500	N	70	700	1.5	N	7	70
260129	2.0	7.0	3.00	.20	1,000	N	70	700	1.5	N	10	50
260130	2.0	7.0	5.00	.30	1,500	N	70	700	2.0	N	7	70
260131	2.0	3.0	1.00	.20	700	N	70	700	2.0	N	7	70
260132	3.0	3.0	1.00	.30	500	N	70	700	3.0	N	15	70
260133	2.0	3.0	1.00	.30	500	N	70	700	2.0	N	10	100
260134	2.0	5.0	1.50	.30	700	N	70	500	2.0	N	10	70
260135	2.0	3.0	.50	.20	500	N	70	700	3.0	N	7	50
260136	2.0	3.0	1.50	.20	700	N	70	700	3.0	N	7	30
260137	2.0	3.0	1.00	.30	500	N	70	1,000	3.0	N	7	50
260138	3.0	3.0	1.50	.30	700	N	70	700	3.0	N	10	50
260139	2.0	3.0	1.50	.20	1,000	N	70	700	3.0	N	7	30
260140	3.0	5.0	2.00	.30	1,000	N	70	700	2.0	N	10	70
260141	3.0	3.0	1.00	.30	500	N	70	1,500	3.0	N	7	70
260142	3.0	3.0	.50	.30	300	N	70	1,000	3.0	N	10	50
260143	3.0	3.0	.50	.20	300	N	70	700	1.5	N	10	50
260144	3.0	5.0	.50	.20	500	N	70	500	2.0	N	10	50
260145	2.0	3.0	2.00	.30	1,500	N	70	700	2.0	N	7	70
260146	2.0	3.0	.70	.30	500	N	70	700	2.0	N	10	50
260147	2.0	3.0	2.00	.30	1,000	N	70	700	2.0	N	7	70
260148	1.5	3.0	3.00	.20	1,000	N	70	500	1.5	N	7	70
260149	2.0	5.0	3.00	.30	1,500	N	70	500	1.5	N	10	50
260150	1.5	5.0	3.00	.20	1,000	N	70	500	1.5	N	10	70
260151	1.5	5.0	3.00	.20	1,000	N	70	300	1.5	N	10	70
260152	1.5	5.0	2.00	.30	700	N	70	500	1.5	N	15	70

Table 1.--Results of semiquantitative spectrographic analyses of selected cores from the Blacktail Mountain drilling site, Flathead County, Montana,--continued.

Sample	CU	LA	MO	NI	PB	SC	SR	V	Y	ZR
260108	30	50	N	20	20	10	N	100	50	200
260109	50	50	N	20	20	10	N	100	50	200
260110	15	50	N	20	20	15	N	150	50	200
260111	50	20	N	7	20	5	N	50	30	200
260112	50	50	N	20	30	15	N	100	50	200
260113	100	30	N	7	30	5	N	50	30	150
260114	20	20	N	10	30	7	N	50	30	150
260115	7	70	N	20	30	10	N	70	50	300
260116	5	30	N	30	30	7	<100	70	50	300
260117	5	50	N	30	30	10	N	100	50	300
260118	<5	70	N	20	30	15	N	100	50	300
260119	15	30	N	20	20	7	N	70	50	300
260120	<5	70	N	20	30	15	N	150	70	300
260121	<5	50	N	15	30	15	N	100	50	300
260122	<5	70	N	20	30	15	N	70	50	200
260123	N	70	N	20	30	10	<100	70	50	200
260124	<5	50	N	20	30	7	150	70	50	150
260125	<5	70	N	15	30	7	100	70	50	150
260126	10	70	N	20	30	10	100	70	50	200
260127	<5	70	N	20	30	7	150	70	50	200
260128	7	50	N	20	30	10	150	70	50	200
260129	<5	50	N	20	30	7	100	50	50	200
260130	<5	70	N	20	30	15	150	70	50	200
260131	<5	50	N	20	30	10	N	50	50	200
260132	N	70	N	30	20	15	N	70	50	300
260133	N	70	N	20	20	15	N	150	70	200
260134	N	50	N	20	20	10	N	70	50	300
260135	N	30	N	15	20	7	N	70	50	200
260136	N	70	N	15	30	10	N	70	50	200
260137	N	70	N	15	20	10	N	70	50	300
260138	N	70	N	20	20	10	N	70	50	300
260139	N	50	N	15	30	7	N	50	50	300
260140	N	70	N	20	20	10	N	70	70	300
260141	N	100	N	15	20	15	N	100	70	300
260142	<5	70	N	20	30	10	N	70	50	300
260143	N	50	N	20	15	7	N	70	50	300
260144	N	50	N	30	20	7	N	70	50	300
260145	5	70	N	15	30	10	N	100	50	150
260146	<5	70	N	20	20	15	N	100	70	200
260147	N	100	N	20	30	15	N	100	70	150
260148	<5	50	N	20	30	15	<100	70	50	150
260149	<5	50	N	20	30	10	<100	70	50	150
260150	<5	70	N	20	30	10	100	70	50	200
260151	5	70	N	20	30	10	<100	70	50	150
260152	5	70	N	20	30	10	100	70	50	200

Table 1.--Results of semiquantitative spectrographic analyses of selected cores from the Blacktail Mountain drilling site, Flathead County, Montana,--continued.

Sample	FE%	MG%	CA%	TI%	MN	AG	B	BA	BE	BI	CO	CR
260153	1.5	5.0	3.00	.30	1,500	N	70	500	2.0	N	10	70
260154	1.5	3.0	1.50	.30	700	N	70	500	1.5	N	10	70
260155	1.5	3.0	1.50	.30	700	N	70	700	1.5	N	10	30
260156	1.5	2.0	1.50	.30	500	N	70	700	1.5	N	10	50
260157	2.0	2.0	1.00	.30	500	N	70	1,000	2.0	N	7	50
260158	2.0	2.0	1.00	.20	300	N	70	1,000	2.0	N	7	50
260159	2.0	2.0	.70	.30	500	N	70	1,500	2.0	N	7	100
260160	3.0	2.0	1.00	.30	500	N	70	1,500	2.0	N	15	70
260161	5.0	3.0	1.00	.30	500	N	70	1,500	3.0	N	7	100
260162	5.0	2.0	.70	.30	300	N	70	1,500	3.0	N	7	70
260163	3.0	1.5	.50	.20	200	N	70	700	2.0	N	7	70
260164	5.0	3.0	2.00	.30	700	N	70	1,500	2.0	N	7	70
260165	3.0	1.5	.70	.30	300	N	70	1,000	1.5	N	7	70
260166	2.0	1.5	.50	.30	300	N	70	700	1.5	N	5	70
260167	3.0	1.5	.70	.30	300	N	70	1,000	2.0	N	5	70
260168	3.0	1.5	.70	.30	300	N	70	1,500	1.5	N	7	70
260169	2.0	1.5	.70	.30	200	N	70	1,500	1.5	N	7	70
260170	2.0	2.0	1.50	.30	500	N	70	1,500	2.0	N	7	100
260171	2.0	2.0	.50	.30	300	N	70	1,000	2.0	N	7	70
260172	3.0	3.0	1.50	.30	700	N	70	1,500	2.0	N	7	100
260173	2.0	1.5	.30	.20	200	N	70	1,000	2.0	N	7	50
260174 [5]	3.0	2.0	1.00	.30	300	N	70	1,500	2.0	N	7	70
260175	3.0	2.0	1.00	.30	200	N	70	1,500	2.0	N	10	70
260176	2.0	2.0	.50	.20	200	N	70	1,500	1.5	N	7	50
260177	3.0	2.0	.70	.30	300	N	70	1,500	3.0	N	7	50
260178 [6]	3.0	1.5	1.00	.30	500	N	70	1,500	5.0	N	7	70
260179	5.0	2.0	.50	.50	300	N	70	1,500	3.0	N	10	100
260180	3.0	1.5	1.00	.30	300	N	70	700	1.5	N	5	50
260181	3.0	.7	.30	.30	500	.7	70	700	2.0	N	5	70
260182	5.0	2.0	1.00	.30	300	N	70	1,000	2.0	N	7	100
260183	5.0	2.0	1.00	.30	500	N	70	1,000	2.0	N	7	70
260184	7.0	2.0	1.50	.50	500	N	70	1,500	2.0	N	10	100
260185	5.0	2.0	1.00	.30	500	N	100	1,500	3.0	N	10	70
260186	5.0	3.0	.70	.30	300	N	70	1,000	2.0	N	15	70
260187	3.0	2.0	1.50	.30	500	N	70	1,000	2.0	N	10	70
260188	5.0	5.0	3.00	.30	1,500	N	70	1,500	2.0	N	10	70
260189	5.0	5.0	3.00	.30	1,000	30.0	100	1,000	2.0	N	10	70
260190	3.0	5.0	5.00	.30	1,000	N	70	1,000	3.0	N	10	70
260191	3.0	5.0	7.00	.20	1,500	N	70	700	2.0	N	7	70
260192	3.0	7.0	5.00	.30	1,500	N	70	1,000	2.0	N	15	100
260193	5.0	7.0	10.00	.30	2,000	N	70	700	1.5	N	15	100
260194	1.5	7.0	10.00	.20	2,000	N	70	700	2.0	N	7	70
260195	2.0	7.0	15.00	.20	3,000	N	70	500	1.5	N	10	70
260196	2.0	5.0	7.00	.30	1,500	N	70	700	2.0	N	15	70
260197	1.5	3.0	3.00	.30	1,000	.7	70	1,500	1.5	N	7	70

See footnotes at end of table.

Table 1.--Results of semiquantitative spectrographic analyses of selected cores from the Blacktail Mountain drilling site, Flathead County, Montana,--continued.

Sample	CU	LA	MO	NI	PB	SC	SR	V	Y	ZR
260153	7	70	N	15	30	10	<100	[illegible]	50	200
260154	20	70	N	15	30	10	100	[illegible]	50	150
260155	<5	30	N	20	30	7	N	70	50	200
260156	<5	50	N	20	30	10	N	[illegible]	50	300
260157	<5	70	N	20	30	10	N	[illegible]	50	300
260158	N	70	N	20	30	15	N	[illegible]	50	200
260159	<5	50	N	30	30	15	N	[illegible]	50	300
260160	<5	50	N	30	30	10	N	[illegible]	50	200
260161	N	50	N	20	30	20	N	[illegible]	50	200
260162	N	70	N	20	30	20	N	[illegible]	70	200
260163	N	50	N	20	30	10	N	[illegible]	50	200
260164	N	50	N	20	30	15	N	[illegible]	50	200
260165	<5	50	N	30	30	10	N	[illegible]	50	200
260166	<5	50	N	20	30	10	N	[illegible]	50	200
260167	<5	50	N	20	30	10	N	[illegible]	50	200
260168	<5	50	N	20	30	10	<100	[illegible]	50	200
260169	N	50	N	20	30	10	N	[illegible]	50	200
260170	N	50	N	20	30	10	N	100	50	200
260171	<5	70	N	20	30	15	N	100	50	300
260172	<5	70	N	20	30	20	N	150	70	200
260173	<5	30	N	20	30	7	N	70	30	300
260174 5/	30	50	N	20	30	15	<100	100	70	150
260175	<5	70	N	20	30	15	N	100	50	200
260176	<5	30	N	30	30	7	N	70	30	200
260177	<5	70	N	20	30	15	N	100	70	200
260178 6/	N	70	N	15	30	15	N	100	50	200
260179	15	70	N	30	30	20	N	150	70	500
260180	<5	50	N	15	20	10	N	70	50	300
260181	300	50	N	7	30	10	N	70	50	500
260182	15	70	N	15	50	15	N	100	50	200
260183	20	100	N	20	30	10	N	100	50	300
260184	20	100	N	30	30	15	N	150	70	300
260185	30	50	N	30	30	15	N	150	50	300
260186	20	50	N	30	30	15	N	150	50	300
260187	20	30	N	20	30	10	N	70	50	200
260188	30	70	N	20	30	20	N	150	50	200
260189	20	70	N	30	30	10	N	100	50	200
260190	N	70	N	30	30	15	100	100	50	200
260191	N	30	N	15	30	7	<100	70	50	150
260192	N	70	N	30	30	20	100	150	50	200
260193	N	70	N	30	30	15	100	150	50	150
260194	<5	50	N	20	50	10	<100	70	50	150
260195	<5	50	N	15	50	7	<100	70	50	150
260196	50	50	N	20	30	10	<100	100	50	150
260197	200	30	N	20	30	10	<100	100	50	150

See footnotes at end of table.

Table 1.--Results of semiquantitative spectrographic analyses of selected cores from the Blacktail Mountain drilling site, Flathead County, Montana,--continued.

sample	FE%	MG%	CA%	TI%	MN	AG	B	BA	BE	BI	CO	CR
260198	2.0	5.0	5.00	.30	1,500	7.0	70	1,000	1.5	<10	10	70
260199	2.0	7.0	3.00	.30	[illegible]	3.0	70	500	2.0	<10	15	70
260200	3.0	7.0	5.00	.20	[illegible]	7.0	70	500	2.0	<10	15	70
260201	1.5	7.0	5.00	.20	[illegible]	5.0	70	700	1.5	<10	10	50
260202	3.0	7.0	5.00	.30	[illegible]	5.0	70	500	1.5	<10	15	70
260203	2.0	7.0	5.00	.20	[illegible]	5.0	70	500	1.5	10	10	70
260204	3.0	7.0	3.00	.20	[illegible]	2.0	70	700	1.5	<10	15	50
260205	2.0	7.0	3.00	.20	[illegible]	1.5	70	1,000	2.0	<10	15	70
260206	3.0	7.0	3.00	.30	[illegible]	1.0	70	700	1.5	N	15	70
260207	2.0	5.0	3.00	.20	[illegible]	<.5	70	700	1.5	N	10	50
260208	2.0	5.0	3.00	.30	[illegible]	N	70	500	1.5	N	7	70
260209	2.0	3.0	1.00	.30	[illegible]	N	70	700	2.0	N	10	100
260210	3.0	3.0	.70	.30	[illegible]	N	70	500	2.0	N	10	70
260211	1.5	2.0	1.00	.20	[illegible]	N	70	300	1.5	N	7	70
260212	1.5	2.0	2.00	.20	[illegible]	N	70	500	1.5	N	5	50
260213	2.0	3.0	1.50	.30	[illegible]	N	70	1,000	2.0	N	7	70
260214	2.0	2.0	.50	.30	500	N	70	1,500	2.0	N	10	70
260215	2.0	3.0	.50	.30	[illegible]	<.5	70	1,000	2.0	N	10	70
260216	2.0	2.0	.50	.20	[illegible]	N	70	1,500	1.5	N	10	70
260217	2.0	3.0	.70	.20	500	N	70	1,500	2.0	N	10	70
260218	3.0	2.0	.15	.30	300	N	70	1,500	2.0	N	15	70
260219	2.0	1.5	.10	.30	200	N	70	1,500	2.0	N	7	70
260220	3.0	2.0	.20	.30	500	N	70	1,000	1.5	N	10	70
260221	5.0	2.0	.10	.30	200	N	70	1,500	2.0	N	10	70
260222	5.0	2.0	.20	.30	300	N	70	1,500	3.0	N	10	70
260223	5.0	2.0	.10	.30	200	N	70	1,000	2.0	N	10	70
260224	7.0	2.0	.15	.30	200	N	70	1,000	2.0	N	15	70
260225	5.0	2.0	.70	.50	700	N	100	1,500	3.0	N	10	70
260226	3.0	2.0	1.00	.30	700	N	70	1,000	2.0	N	10	70
260227 6/	3.0	2.0	1.50	.30	700	N	70	2,000	2.0	N	10	100
260228	2.0	2.0	1.00	.30	700	N	70	1,000	2.0	N	10	50
260229	3.0	3.0	.20	.30	300	N	70	1,000	1.0	N	15	100
260230	2.0	3.0	1.00	.30	1,000	N	70	700	2.0	N	7	50
260231	2.0	2.0	1.50	.30	500	N	70	700	2.0	N	7	70
260232	3.0	3.0	1.00	.30	700	N	70	1,000	3.0	N	10	100
260233	3.0	2.0	.20	.50	300	N	70	1,500	2.0	N	15	100
260234	2.0	2.0	1.50	.30	1,000	N	70	3,000	2.0	N	10	70
260235	2.0	2.0	1.50	.30	700	N	70	2,000	1.5	N	7	70
260236	3.0	1.5	1.00	.50	500	N	70	1,000	1.5	N	7	70
260237	2.0	1.5	.20	.30	300	N	70	1,000	2.0	N	7	70
260238	1.5	.7	.50	.20	700	N	70	500	1.5	N	5	50
260239	2.0	1.0	.15	.20	700	N	70	500	2.0	N	7	70
260240	3.0	1.5	.20	.30	500	N	70	700	2.0	N	10	100
260241	3.0	1.0	.10	.30	300	N	70	500	2.0	N	10	70
260242	3.0	1.5	.30	.20	500	N	70	500	2.0	N	7	70

See footnotes at end of table.

Table 1.--Results of semiquantitative spectrographic analyses of selected cores from the Blacktail Mountain drilling site, Flathead County, Montana--continued.

sample	CU	LA	MO	NI	PB	SC	SR	V	Y	ZR
260198	3,000	50	<5	20	30	10	<100	100	50	150
260199	1,500	70	30	30	30	15	<100	100	30	150
260200	2,000	70	N	30	30	10	100	100	50	150
260201	2,000	70	N	15	30	7	100	70	50	100
260202	2,000	70	N	30	30	10	150	150	50	200
260203	2,000	70	<5	20	30	10	150	100	50	200
260204	1,000	70	N	20	30	10	100	100	50	200
260205	700	50	N	20	30	10	100	70	50	150
260206	700	70	N	30	30	15	<100	100	50	300
260207	150	70	N	20	30	10	N	70	50	150
260208	30	70	N	20	30	10	100	100	30	300
260209	10	70	N	30	30	15	<100	100	70	150
260210	15	70	N	30	30	15	<100	150	50	300
260211	20	70	N	15	30	7	N	70	30	200
260212	10	50	N	20	30	7	<100	70	50	200
260213	50	70	N	20	30	7	<100	100	50	300
260214	30	70	N	20	30	15	<100	100	50	200
260215	100	70	N	20	30	10	N	100	50	200
260216	30	70	N	20	30	10	N	70	50	200
260217	20	70	N	20	30	15	N	70	50	300
260218	20	70	N	30	30	15	N	100	50	300
260219	20	70	N	15	30	15	<100	70	30	200
260220	20	50	N	30	30	10	N	100	30	200
260221	15	50	N	20	30	15	N	150	50	200
260222	15	70	N	15	30	15	N	150	50	200
260223	15	50	N	20	30	10	N	150	50	200
260224	20	50	N	30	30	15	N	150	50	300
260225	30	70	N	20	30	15	N	150	50	300
260226	10	70	N	20	30	10	N	100	50	200
260227 6/	30	70	N	20	30	10	100	100	50	300
260228	5	70	N	20	30	7	N	70	50	300
260229	5	70	N	30	30	15	N	150	50	200
260230	<5	50	N	20	30	7	100	70	50	150
260231	<5	70	N	20	30	10	N	100	50	200
260232	5	70	N	20	30	15	100	100	50	300
260233	7	70	N	30	30	15	N	100	50	300
260234	5	70	N	20	30	10	100	100	50	200
260235	<5	50	N	20	30	10	100	70	50	300
260236	5	50	N	20	30	10	N	70	50	300
260237	7	50	N	15	30	10	N	70	50	200
260238	5	30	N	10	30	7	N	70	50	200
260239	15	50	N	20	30	10	N	70	50	150
260240	30	70	N	30	30	15	N	100	50	200
260241	10	70	N	20	30	15	N	100	50	300
260242	7	70	N	20	30	10	N	70	50	200

Table 1.--Results of semiquantitative spectrographic analyses of selected cores from the Blacktail Mountain drilling site, Flathead County, Montana,--continued.

sample	FE%	MG%	CA%	TI%	MN	AG	B	BA	BE	BI	CO	CR
260243	1.5	.7	.15	.30	700	N	70	500	1.5	N	5	70
260244 7/	2.0	.5	.15	.30	700	N	70	700	1.5	N	<5	70
260245 6/	2.0	1.0	.10	.30	500	N	70	300	1.5	N	7	70
260246 2/	5.0	2.0	.10	.50	500	N	100	1,000	1.5	N	10	100
260247 6/	5.0	1.5	.10	.30	300	N	100	700	1.5	N	10	100
260248 2/	3.0	1.5	.10	.30	700	N	70	700	1.5	N	10	100
260249	5.0	1.5	.10	.50	1,000	N	100	1,000	2.0	N	7	70
260250	5.0	2.0	1.00	.30	1,500	N	70	1,000	2.0	N	10	70
260251	5.0	2.0	1.50	.30	1,000	N	70	700	1.5	N	7	70
260252	3.0	3.0	3.00	.30	1,500	N	70	700	1.5	N	7	100
260253	3.0	2.0	1.00	.30	500	N	70	700	2.0	N	7	100
260254 6/	5.0	2.0	1.00	.30	700	N	70	700	1.5	N	10	100
260255	5.0	5.0	3.00	.50	1,000	N	70	1,000	2.0	N	15	100
260256 2/	2.0	5.0	5.00	.30	1,500	N	70	1,000	2.0	N	10	70
260257	2.0	3.0	5.00	.20	2,000	N	70	700	2.0	N	7	70
260258	2.0	3.0	3.00	.30	1,500	N	70	1,000	2.0	N	10	70
260259	2.0	1.5	.20	.30	1,500	N	70	1,000	2.0	N	7	70
260260	2.0	.7	.15	.30	700	N	70	700	2.0	N	5	70
260261	1.5	.5	.15	.15	700	.5	70	500	1.0	N	N	50
260262	1.5	.7	.10	.30	500	<.5	70	700	1.0	N	<5	70
260263	2.0	1.5	.10	.30	700	N	70	700	1.0	N	10	100
260264	2.0	1.5	.50	.20	500	N	70	700	1.5	N	15	50
260265	3.0	1.5	.15	.30	700	N	70	500	2.0	N	10	50
260266	5.0	1.5	.10	.30	300	N	70	700	3.0	N	7	100
260267	5.0	1.5	.30	.30	700	N	70	700	3.0	N	7	70
260268	3.0	1.5	.70	.30	500	N	70	700	2.0	N	7	100
260269	5.0	1.5	1.00	.30	700	N	70	1,000	2.0	N	10	70
260270	5.0	1.5	1.00	.50	700	N	70	1,000	3.0	N	10	100
260271	3.0	1.5	.50	.20	300	N	70	700	2.0	N	7	70
260272	7.0	1.5	1.00	.30	700	N	70	1,000	3.0	N	7	100
260273	5.0	2.0	3.00	.20	1,500	N	70	700	2.0	N	7	70

1/ Contains <200 ppm Zn
2/ Contains 10 ppm Sn
3/ Contains 20 ppm Nb
4/ Contains 30 ppm Nb
5/ Contains 15 ppm Sn
6/ Contains <10 ppm Sn
7/ Contains 10 ppm Sn and 20 ppm Nb

Table 1.--Results of semiquantitative spectrographic analyses of selected cores from the Blacktail Mountain drilling site, Flathead County, Montana,--continued.

sample	CU	LA	MO	NI	PB	SC	SR	V	Y	ZR
260243 7/	5	50	N	15	30	7	N	70	30	150
260244 6/	7	50	N	15	30	7	N	70	30	200
260245 2/	15	30	N	15	30	10	N	70	30	300
260246 6/	30	70	N	30	30	15	N	150	50	300
260247 6/	30	70	N	20	30	15	N	100	50	300
260248 2/	30	50	N	20	30	10	N	100	50	300
260249	30	70	N	20	30	15	N	100	50	300
260250	10	50	N	30	30	15	N	70	50	200
260251	5	30	N	30	30	10	N	100	50	300
260252	5	50	N	20	30	10	N	70	50	200
260253 6/	10	50	N	20	30	15	N	100	50	200
260254 6/	10	30	N	30	30	10	N	100	50	300
260255	20	100	N	30	30	20	N	150	70	200
260256 2/	<5	50	N	20	30	10	<100	70	50	200
260257 2/	<5	30	N	20	30	7	100	70	50	300
260258	N	50	N	20	30	10	N	100	70	200
260259	30	70	N	20	30	10	N	100	50	300
260260	15	70	N	15	20	10	N	100	30	200
260261	50	20	N	5	20	5	N	50	30	150
260262	70	30	N	10	20	7	N	70	50	200
260263	50	30	N	20	50	10	N	100	50	200
260264	30	30	N	30	30	7	N	70	30	150
260265	30	30	N	30	30	7	N	100	30	300
260266	30	30	N	20	30	10	N	100	50	300
260267	30	50	N	20	30	10	N	100	50	300
260268	30	70	N	30	30	15	N	100	50	300
260269	100	70	N	20	30	15	N	100	50	300
260270	50	70	N	20	30	15	N	150	50	300
260271	30	50	N	20	30	7	N	70	50	300
260272	50	70	N	20	30	15	N	100	50	300
260273	15	50	N	15	50	7	N	70	50	300

1/ Contains <200 ppm Zn.
2/ Contains 10 ppm Sn.
3/ Contains 20 ppm Nb.
4/ Contains 30 ppm Nb.
5/ Contains 15 ppm Sn.
6/ Contains <10 ppm Sn.
7/ Contains 10 ppm Sn and 20 ppm Nb.