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BUREAU OF MINES DIAMOND DRILL SAMPLING DATA, LOST RIVER TIN MINE, 1943-44

by H. E. Heide and John J. Mulligan

* open-file report

UNITED STATES DEPARTMENT OF THE INTERIOR
Stewart L. Udall, Secretary

BUREAU OF MINES
Marling J. Ankeny, Director

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by

H. E. Heidel1/ and John J. Mulligan2/

SUMMARY AND INTRODUCTION

The Bureau of Mines investigated the Lost River tin mine (fig. 1) in 1943 and 1944. The investigations included diamond drilling (fig. 2). Diamond drilling results were summarized in Report of Investigations 3902 entitled "Investigation of the Lost River Tin Deposit, Seward Peninsula, Alaska" by H. E. Heide. That report has been out of print for many years but copies usually are available for inspection at Bureau of Mines Area offices and the larger public libraries. Recent increases in the price of tin have resulted in repeated requests for a more detailed description of the diamond drilling results than that included in the original report. Therefore, the present report is made available for public inspection.

LOCATION

The Lost River tin mine is near the western tip of the Seward Peninsula, Alaska at latitude 65°29' N and longitude 167°09' W, 85 miles N 37° W of Nome. The mine is slightly over 6 miles inland from the Bering Sea coast on Cassiterite Creek, a tributary of Lost River.

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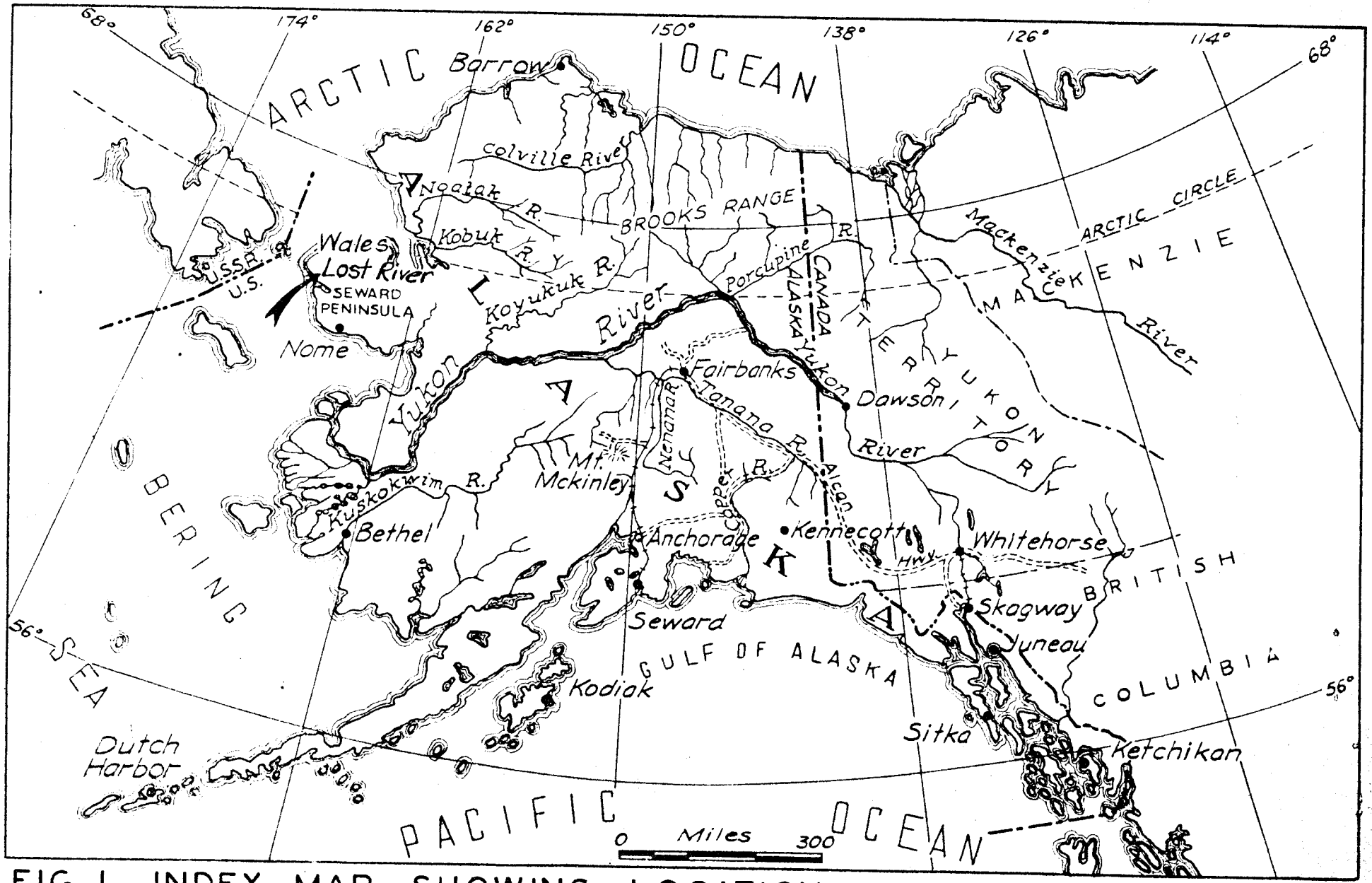

FIG. 1 INDEX MAP SHOWING LOCATION OF LOST RIVER AREA

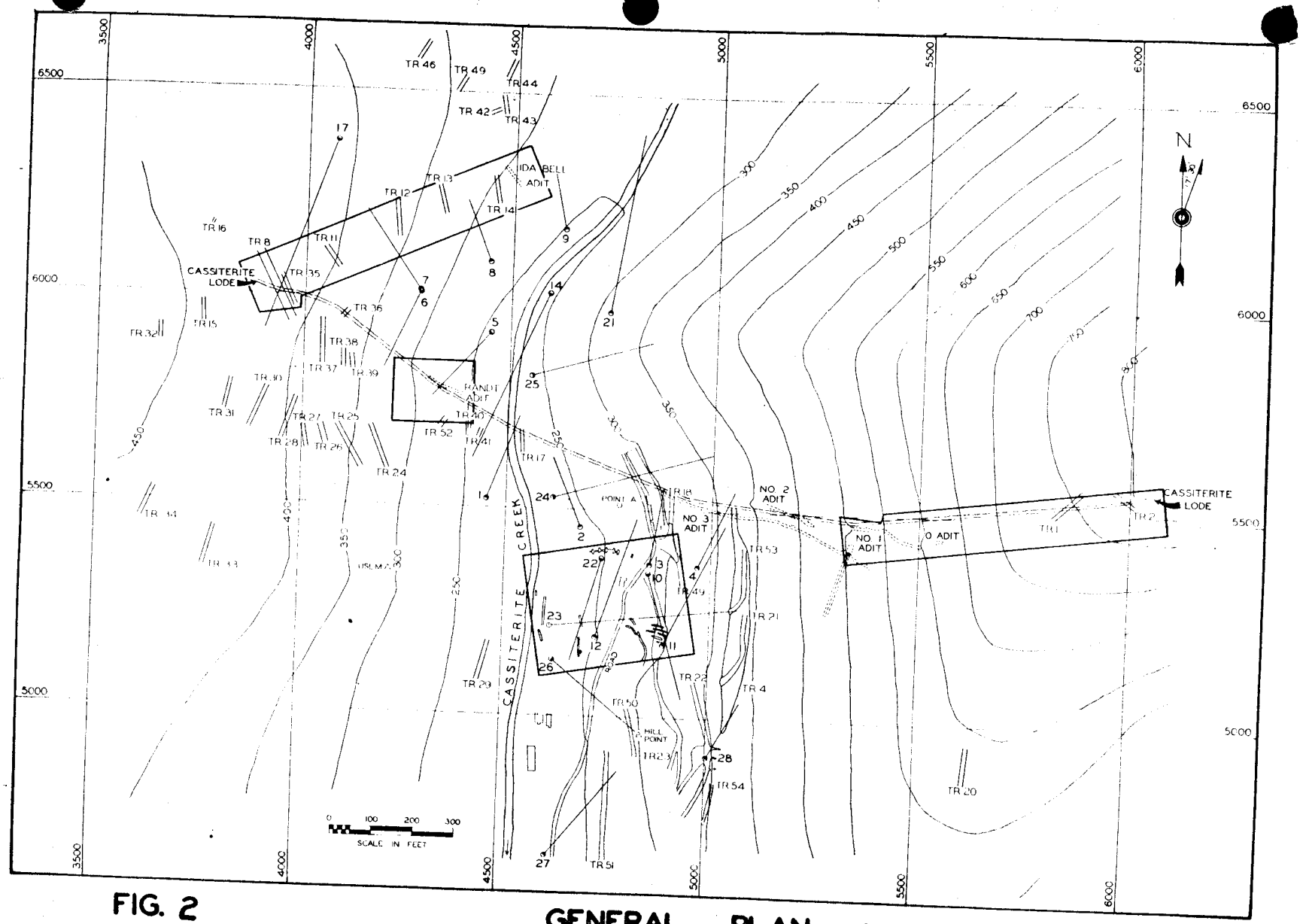

FIG. 2 GENERAL PLAN AND INDEX MAP

LOST RIVER TIN MINE
Seward Peninsula, Alaska

FIELD LOG OF DIAMOND DRILL HOLES

ABBREVIATIONS

Alt. = Altered
Bnd. = Banded
Cass. = Cassiterite
Cryst. = Crystalline
Diss. = Disseminated
Effer. = Effervescent
Fels. = Felspar
Feox. = Iron Oxide
Fluor. = Fluoritic
Garnet = Garnetized
Ls. = Limestone
Meta. = Metamorphosed
Mica. = Micaized
Min. = Mineralized
Moly. = Molybdenite
Porph. = Porphyritic
Pyr. = Pyritic
Qtz. = Quartz
Stn. = Stained
Str. = Stringer
Tour. = Tourmaline
Wolf. = Wolframite

TABLE 1 Diamond drill [illegible]pling data - H No. BM-1

Project: No. 607, Lost River Mine
Hole: No. 1
Elevation at collar: 236'
Dip: -45°
Date Begun: June 28, 1943

Location of hole: Lat. 5523; dep. 4452
Depth: 309'
Bearing: N 21° E
Core Size: EX 10'; AX 120'; EX 179'
Theoretical weight sludge per foot hole:
Date finished: July 3, 1943

Footage From	Footage To		Distance drilled	Weights, grams Core	Weights, grams Sludge	Core obtained: feet	Recovery percent Core	Recovery percent Water	Formation		Analyses Core % Sn	Analyses Core % WO_3	Analyses Sludge % Sn	Analyses Sludge % WO_3	Analyses Sludge % CaF_2
15	20	AX	5			5.1	100			Limestone				0.06	0.05
50	55		5		4844	4.6	92		Good	"				0.05	
95	104		9		567	6.4			Fair	Meta. Ls.				0.06	
104	109		5			2.7	54		Fair	" "				*0.05	
109	114		5		5357	2.1	42		Good	" "				*0.05	
114	120		6	2438		5.2	86		Poor	" "	0.12	0.04		0.16	
120	128		8	3470		7.2	90		Poor	" "	0.20	0.02			
131	139.5		8.5	2132		7.4			Poor	Brec. Ls.	0.12	0.01			
130	136	EX	6		567									*0.05	
143.5	145.5		2	467		2.0	100		Poor	Meta. Ls.	0.12	Nil			
145.5	151		5.5	1565		5.2	94		Poor	Dike	0.32	Nil			
144	149		5											0.12	0.02
151	154		3.0	850		3.0	100		Poor	Dike	0.25	Nil			
149	154		5						Poor	Dike				0.19	*0.05
154	159		5		1329				Good	Alt. Ls.				0.10	*0.05
154	160		6.0	1588		5.6	93		Good	Alt.LS&Dike	0.18	Nil			
160	165		5	1447		4.9	98		Fair	Meta. Ls.	0.18	Nil			
165	170		5		2268	3.8	76		Good	Limestone	0.08				
170	175		5		1982	4.8	96		Good	"				*0.05	
203	209		6			4.8	80		Poor	"				0.05	Tr.

* Less than

Table 1 - Hole No. BM-1 (Cont.)

Footage From	Footage To		Distance drilled	Weights, grams Core	Weights, grams Sludge	Core obtained: feet	Recovery percent Core	Recovery percent Water	Formation	Analyses Core % Sn	Analyses Core % WO_3	Analyses Sludge % Sn	Analyses Sludge % WO_3	Analyses Sludge % CaF_2
209	214	EX	5		730	4.8	96	Fair	Limestone			0.09	0.10	
224	229		5		91	4.1	82	Fair	"			0.11	0.06	
229	233		4	993		3.5	85	Good	Meta.Sil&Ls	0.51	Tr.			
229	235		6		3769			Good	" " "			0.26	*0.05	Nil
233	236.5		3.5	1021		2.8	80	Fair	Limestone	0.16	Nil			
235	240		5					Poor	Dike			0.17	*0.05	
236.5	242		5.5	1161		4.4	80	Poor	"	0.44	Nil			
242	245		3	624		2.3	76	Poor	Limestone	0.14	0.01			
245	250		5	590		2.2	44	Fair	"			*0.05		
250	255		5	567		2.3	46	Fair	"			0.09		
268.5	269.5		1	170		0.7	66	Fair	Dike	0.30	0.01			
270	275		5					Fair	Ls. Breccia			0.05		
269.5	277		7.5	2694		7.5	100	Fair	" "	0.16	Nil			
275	280		5		1048	5.0	100	Fair	" "			0.09		
280	285		5		1529	5.0	100	Fair	Limestone			*0.05		

* Less than

TABLE 2 - Diamond drill sampling data - Hole No. BM-2

Project: No. 607, Lost River Mine
Hole: No. 2
Elevation at collar: 239'
Dip: -45°
Date Begun: July 29, 1943

Location of hole: Lat. 5458: Dep. 4682
Depth: 259'
Bearing: N 22° W
Core Size: BX 11'; AX 29'; EX 219'
Theoretical weight sludge per foot hole:
Date finished: August 8, 1943

Footage From	Footage To		Distance drilled	Weights, grams Core	Weights, grams Sludge	Core obtained: feet	Recovery: percent Core	Recovery: percent Water	Formation	Analyses Core % Sn	Analyses Core % WO_3	Analyses Sludge % Sn	Analyses Sludge % WO_3	Analyses Sludge % CaF_2
139	144	EX	5		340	5.2	100		Fair Limestone				0.08	
144	149		5		2268	5.0	100		Good "				0.13	
149	155		6		649	4.0	66		Fair "				*0.05	
155	160		5			4.2	84		Poor "					
162	166		4		226	5.1	100		" "				0.11	*0.05
171	178		7		3075	5.2	74		Good Alt. "				0.14	
178	184		6		2041	3.2	53		" " "				0.10	
184	190		6		1588	3.9	65		" Limestone				0.15	
190	192		2	567						0.18	Nil			
192	195		3	254		1.5	50			0.20	Nil			
190	196		6		594				Fair Ls. & Dike				0.05	Nil
196	199				113				Poor " Dike, Brecc.				0.18	0.05
195	199			794		2.1	70		" " " "	0.18	0.02			
199	202		3	653	680	3.0	100		Fair Alt.Ls.&Dike	0.18	Tr.		0.11	Nil
202	205		3	708		2.5	83		" Meta.Ls.&Ls.	0.37	Nil			
208	213		5		1021	5.0	100		" " " "				0.08	
213	219		6			5.2	86		" " " "				0.11	
219	227		8		1021				" " " "				0.40	
221	226.5		5.5	1304		4.1	68		" " " "	0.67	Nil			
226.5	234		7.5	227		0.9	13		" " " "	0.09	Nil			
234	239		5	737		3.0	60		Poor Alt. Dike	0.28	0.73			
239	246		7		14	1.3	18		" Limestone				0.06	

* Less than

TABLE 3 - Diamond drill sampling data - Hole No. BM-3

Project: No. 607, Lost River Mine
Hole: No. 3
Elevation at collar: 277'
Dip: -39°
Date Begun: June 15, 1943

Location of hole: 5369; Dep. 4853
Depth: 248'
Bearing: N 8° 40' E
Core size: BX 35'; AX 94'; EX 119'
Theoretical weight sludge per foot hole: 921 and 607
Date finished: June 22, 1943

Footage From	Footage To		Distance drilled	Weights, grams Core	Weights, grams Sludge	Core obtained: feet	Recovery percent Core	Recovery percent Water	Formation	Analyses Core % Sn	Analyses Core % WO_3	Analyses Sludge % Sn	Analyses Sludge % WO_3	Analyses Sludge % CaF_2
55.5	58		2.5	737		1.8	57	Poor	Limestone	1.78	0.02			
58	60		2.0	707		1.5	68	"		0.20	0.13	1.87	0.50	27.82
60	62.5		2.5	1177		2.1	91	"	"	0.05	Nil			
60	63.5		3.5		689							*0.05		
62.5	65		2.5	567		1.5	60	"	Dike	0.16	Tr.			
65	68		3.0	1075		2.5	83		" & Ls.	0.15	Nil			
63.5	68.5		5.0		1529	3.3	65		" "			0.31	*0.05	32.13
68	70		2.0	404.		1.0	50		Limestone	0.35	Nil			
68.5	70		1.5		394	1.3	86		"			0.28		31.59
70	73		3.0	1302	286	2.7	90			0.10	Nil	0.09		
73	77				397							0.09		
77	80.5		3.5		3597	3.4	97		"			0.08		
80.5	85		4.5		1429	4.8	100		"			0.07		
85	90		5.0		1982	4.9	98		Ls. & Sil.			0.18		
90	95		5.0		3715	5.3	100		Alt.Ls.Dike			0.11		
95	100		5.0		2944	3.9	78		" " "			0.07		
100	105	AX	5.0		1728				" " "			0.11		
100	110		10.0	2948		8.8	88		" " "	0.20	0.03			
105	110		5.0		4423				" " "			0.13		
110	115		5.0	1630	6191	3.3	63		" " "	0.05	0.07	0.17	*0.05	
115	120		5.0	2632	4849	5.1	100		Limestone	0.05	0.11	0.18	*0.05	

* Less than

Table 3 - Hole No. BM-3 (Cont.)

Footage From	To		Distance drilled	Weights, grams Core	Sludge	Core obtained feet	Recovery percent Core	Water	Formation	Analyses Core % Sn	% WO_3	Sludge % Sn	% WO_3	% CaF_2
120	125	AX	5		4731	5.0	100		Meta. Ls.			0.11		
125	130		5		2041	2.7	54		" "			0.18		
130	135	EX	5		1701	4.5	90		" "			0.10		
135	138.5		3.5		707	3.6	100	Fair	" "					
138.5	143.5		5		170	5.0	100	Poor	" "			0.07		
143.5	149		5.5		929	5.0	91	Fair	" "			0.08		
149	150		1			.75	75	Poor	" "			0.08		
150	154		4	821	680	2.65	40	Fair	Breccia	0.14	Nil	0.16	0.93	
154	159		5	993		3.45	38	Poor	"	0.42				
159	160		1		476		31	Good	Dike			0.08	*0.05	
159	165		6	964		4.4	73	"	"	0.07	0.06			
160	165		5		957			"	"			0.08	*0.05	
165	169		4	850	1252	1.75	41	"	"	0.16	0.57	0.22	0.61	
169	170.5		1.5	426		1.3	49	Poor	Silicate	0.60	Nil	0.22	0.61	
170.5	175		4.5		1474	4.0	89	Good	Limestone			0.15	*0.05	
175	180		5			4.6	92	Fair	"			0.08		
180	184		4		680	3.8	95	"	"			0.05		
184	189		5		612	4.9	98	"	"			0.14	0.03	

* Less than

TABLE 4 - Diamond drill sampling data - Hole No. BM-4

Project: No. 607, Lost River Mine
Hole: No. 4
Elevation at collar: 317.5'
Dip: -45°
Date Begun: June 23, 1943

Location of hole: Lat. 5366; Dep. 4970
Depth: 284'
Bearing: N 24° E
Core Size: BX 10'; AX 105'; EX 169'
Theoretical weight sludge per foot hole: 921 and 607
Date finished: June 26, 1943

Footage		Dia-	Weights, grams		Core	Recovery percentage			Formation	Analyses				
										Core		Sludge		
From	To	tance drilled	Core	Sludge	obtained feet	Core	Sludge	Water		% Sn	% WO_3	% Sn	% WO_3	% CaF_2
12	18	AX	6		3561				Good Limestone			0.33	*0.05	29.39
14	16		2	590		1.1	57	52	" "	0.62	Nil			
16	18		2	295		1.0			" "	0.30	Nil			
18	23		5	975	4141	2.5	38	67	" "	0.41	0.04	0.34	*0.05	38.13
23	28		5	1451	5850	4.0	56	102	" "	0.18	0.05	0.36	*0.05	41.19
28	33		5	916	5266	3.3	35	84	" Dike & Ls.	0.25	Nil	0.33	*0.05	42.50
33	40		7	1447		3.5	60		" " "	0.40	Nil			
33	38		5		2454				" " "			0.35	*0.05	45.38
38	44		6		1284				" "			0.32	*0.05	34.47
40	47		7	2132		5.5	79		Fair Dike	0.24	0.02			
44	49		5		1533				Ls. Brec.			0.37	*0.05	40.07
47	57		10	2665		6.8	68		Fair Ls. & Dike	0.13	Nil			
49	55		6		1329				" "			0.29	*0.05	44.89
55	60		5		2210				Fair " "			0.29	*0.05	40.71
60	65				1303				" "			0.34	*0.05	39.74
57	70			2381		6.6	66		Fair Dike	0.18	Nil			
70	75				4050				Good Alt.Ls&Dike			0.34	*0.05	32.15
75	80.5				1700				Fair " " "			0.25	*0.05	37.87
70	80.5		10.5	3572		8.1	77		Fair " " "	0.18	0.03			
80.5	85		4.5	1114		2.6	48		Poor Limestone	0.07	*0.05	0.29	*0.05	31.97
85	90		5	1637	1275	4.0	63	42	Fair "	0.14	*0.05	0.21	*0.05	

* Less than

Table 4 - Hole No. BM-4 (Cont.)

Footage From	Footage To	Distance drilled	Weight, grams Core	Weight, grams Sludge	Core obtained feet	Recovery percentage Core	Recovery percentage Sludge	Recovery percentage Water	Formation	Analyses Core % Sn	Analyses Core % WO_3	Analyses Sludge % Sn	Analyses Sludge % WO_3	Analyses Sludge % CaF_2
90	95	5		1529	5.1	100		Fair	Limestone			0.15		
95	100	5		848	4.5	90		"	"			0.16		
100	105	5		113	4.6	92		Poor	"			0.15		
105	110	5			5.2	100		None	"					
110	115	5		340	4.9	98		Poor	"			0.18		
115	123	EX 8		1474				Fair	"			0.12		
123	128	5	682	2890	2.5	34	74	Good	"	*0.05	*0.05	0.25	*0.05	33.95
128	130.5	2.5	871		2.5	100		Fair	Meta. Ls.	0.64	Nil			
130.5	133	2.5	726		2.6	93		"	Dike ?	0.12	Nil			
128	133			1615			53	"	"			0.45	*0.05	26.55
133	138	5	1520	830	5.1	97	27	"	Meta. Ls.	1.73	Nil	0.50	*0.05	
138	144	6		1984				Good	" "			0.23	*0.05	
144	148	4		2155				"	" "			0.13		
138	148	10	1984		6.1	61	61	"	" "	0.14	0.04			
148	149	1	318		0.9	100		"	" "	0.15	0.05	0.13		
149	154	5	1415	2436	5.0	90	76	"	Limestone	0.26	*0.05	0.18		
154	159	5	1449	1275	4.7	92	40	"	Meta.Ls&Sil.	0.26	*0.05	0.26		
159	164	5	1480	3316	4.7	94	106	"	Limestone	0.06	*0.05	0.21		
164	169	5	1465		5.0	93		None	"	0.13	*0.05			
219	224	5		1610	4.9	98		Good	"			0.09	(None)	
234	239	5			5.0	100		"	"			0.12	(None)	

* Less than

TABLE 5 - Diamond drill sampling data - Hole No. BM-5

Project: No. 607, Lost River Mine
Hole: No. 5
Elevation at collar: 242'
Dip: -45°
Date Begun: July 16, 1943

Location of hole: Lat. 5924; Dep. 4454
Depth: 295'
Bearing: S 42° W
Core Size: BX 15'; AX 155'; EX 125'
Theoretical weight sludge per foot hole: 921 and 607
Date finished: July 25, 1943

Footage			Distance drilled	Weight, grams		Core obtained feet	Recovery percent		Formation	Analyses				
										Core		Sludge		
From	To			Core	Sludge		Core	Water		% Sn	% WO_3	% Sn	% WO_3	% CaF_2
148	153	AX	5		3370	2.2	44	Good	Frac. Ls.			0.13		
153	159		6		1814	4.3	71	"	Alt. "			0.12		
159	164		5		2890	3.3	66	"	" "			0.12		
164	170		6		3456	3.5	58	"	" "			0.17		
170	175	EX	5		3515	5.2	100	"	Limestone			0.19		
239	246		7	1792				Poor	Dike & Ls.	0.20	0.08			
240	246		6		308	5.0	82	"	" "			0.05	*0.05	
246	252		6		567	4.6	68	"	Brown Ls.			0.05	*0.05	
246	251		5	1066				"	" "	0.07	0.40			
252	258		6		227	4.5	75	"	Calcite			0.05		
258	265		7		1642			Good	Limestone			0.03		
265	270		5		1302	4.7	94	"	"				*0.05	
270	275		5			4.2	84	Poor	"					
275	277		2		422	2.3	100	"	"					
277	283		6		1642	4.9	81	Good	"					
283	289		6		1302	2.0	33	"	"					
289	295		6		57	2.5	41	Poor	"					

* Less than

TABLE 6 -- Diamond drill sampling data - Hole No. BM-6

Project: No. 607, Lost River Mine
Hole: No. 6
Elevation at collar: 318.5'
Dip: -45°
Date Begun: July 9, 1943

Location of hole: Lat. 6013; Dep. 4286'
Depth: 298'
Bearing: S. 25° W.
Core Size: BX 8'; AX 49'; EX 241'
Theoretical weight sludge per foot hole: 921 and 607
Date finished: July 15, 1943

Footage		Distance drilled	Weight, grams		Core obtained feet	Recovery percentage			Formation	Analyses				
										Core		Sludge		
From	To		Core	Sludge		Core	Sludge	Water		% Sn	% WO_3	% Sn	% WO_3	% HCl Sn
206	211 EX	5		1077	4.2	84		Fair	Limestone			0.09		
211	215	4		1275				"	"			0.10		
212.5	216	3.5	1202		3.4	85				0.20	0.20			
215	218	3		2663	2.7	90		Good	Gr.Sil & Meta Ls			0.09	*0.05	0.14
218	220	2	635		2.0	100		"	Gr.Sil & Meta Ls	0.51	Nil			
220	225	5	1066	.	3.9	68		"	Fluo.Rk.& Dike	0.20	0.03			
218	225	7		2554			54	"	Fluo.Rk.& Dike			0.09	0.29	0.05
225	231	6	1098	2096	3.8	58	47	Good	Dike	1.41	0.20	0.10	*0.05	0.63
231	236	5	431	2889	2.1	23	69	"	"	0.21	0.04	0.13	*0.05	0.26
236	242	6	1424	567	4.7	76	14	Fair	Limestone	0.20	Nil	0.10		

* Less than

TABLE 7 - Diamond drill sampling data - Hole No. BM-7

Project: No. 607, Lost River Mine
Hole: No. 7
Elevation at collar: 318.5
Dip: -45°
Date Begun: July 4, 1943

Location of hole: Lat. 6020; Dep. 4293'
Depth: 329'
Bearing: N 35° W
Core Size: BX 9'; AX 86'; EX 234'
Theoretical weight sludge per foot hole: 921 and 607
Date finished: July 9, 1943

Footage		Distance drilled	Weight, grams		Core obtained: feet	Recovery percentage			Formation	Analyses			
										Core		Sludge	
From	To		Core	Sludge		Core	Sludge	Water		% Sn	% WO_3	% Sn	% WO_3	% CaF_2
111	116 EX	5		2980	4.9	98		Good	Limestone			0.06	0.01	
116	121	5		2468	4.7	94		"	"			0.12	0.02	
121	126	5		2690	5.0	100		"	"	0.10	*0.05	0.71	0.06	
126	131	5	1622	2663	5.0	100	88	"	"			0.07	0.08	
284	289	5	1587		4.8	100		"	"	0.07	*0.05	0.20	0.03	
289	290		399							0.12	*0.05			
289	294	5		3402			89	Good	Limestone			0.09		
290	294	4	363		2.5	61		"	"	0.30	Nil			
294	300	6		6745	3.0	50			Dike			0.10	*0.05	
300	305	5		4436	1.6	32			"			0.09		
305	311	6		6804	2.8	47			"			0.06		
311	317	6		7371	4.4	73			"			0.10		
294	313.5	19.5	2064		9.0	46			"			0.14	0.32	
313.5	320	6.5	1134		4.4	67			"	0.09	Tr.			
317	318	1		1728					"			0.06		
318	323	5		6260	2.4	48			Dike & Ls.			0.09		
323	329	6		1814	4.4	73		Good	Limestone			0.09		

* Less than

TABLE 8 - Diamond drill sampling data - Hole No. BM-8

Project: No. 607, Lost River Mine
Hole: No. 8
Elevation at collar: 267'
Dip: -45°
Date Begun: July 26, 1943

Location of hole: Lat. 6093; Dep. 4445
Depth: 220'
Bearing: N 22° W
Core Size: BX 10'; AX 95'; EX 115'
Theoretical weight sludge per foot hole: 921 & 607
Date finished: July 28, 1943

Footage From	Footage To	Dis- tance drilled	Weight, grams Core	Weight, grams Sludge	Core obtained feet	Recovery percentage Core	Recovery percentage Sludge	Recovery percentage Water	Formation	Analyses Core % Sn	Analyses Core % WO_3	Analyses Sludge % Sn	Analyses Sludge % WO_3	Analyses Sludge % CaF_2
175	180 EX	5		2635	5.0	100	87	Good	Limestone			0.09		
178	180	2	624		2.0	100			"	0.13	0.03			
180	185	5		1415	5.0		50	"	"			0.07	0.23	
185	190	5		1863	3.6	84	50	"	"	0.09	0.06	0.04	*0.05	
180	190	10	2631		8.6	86			"	0.09	0.06			
190	195	5		1352	3.7		62	"	Dike			0.12		
195	200	5		3265	2.9		62	"	"			0.06		
190	200	10	1728		6.6	66				0.18	Nil			
200	205	5		2748	3.1			"	Dike & Sil.			0.10		
200	203	3	363		1.8	60				0.21	Nil			
205	210	5		2349	4.9	98		Good	Limestone			0.02	*0.05	
210	215	5		2495	4.4	88		"	"			0.08		
215	220	5		2095	5.0	100		"	"			0.03		

* Less than

TABLE 9 - Diamond drill sampling data - Hole No. 9

Project: No. 607, Lost River Mine
Hole: No. 9
Elevation at collar: 249'
Dip: -45°
Date Begun: August 9, 1943

Location of hole: Lat. 6176'; Dep. 4623'
Depth: 192'
Bearing: N 12° W
Core Size: EX 20'; AX 60'; EX 112'
Theoretical weight sludge per foot hole: 921 and 607
Date finished: August 11, 1943

Footage		Dis-	Weight, grams		Core obtained:	Recovery percentage			Formation	Analyses: Core		Analyses: Sludge		
From	To:	tance drilled:	Core:	Sludge:	feet	Core:	Sludge:	Water:		% Sn	% WO_3	% Sn	% WO_3	% CaF_2
119	124 EX	5		1928	5.1	100		Good	Limestone			0.23		
124	129	5		2663	5.1	79	79	"	Dike			0.11		
125.5	129	3.5	1111		2.8	80		"	"	0.18	Tr.			
129	134	5	1564	2699	5.1	100	89	"	"	0.07	Nil	0.15		
134	144	10	2563		8.6	86		"	"	0.07	Nil			
134	139	5		2409	3.5		84		"			0.10		
139	144	5		3175	5.1	82	84	"	"			0.04	*0.05	
144	149	5	1497	3030	5.1	96	97	"	"	0.09	0.35	0.03	*0.05	
149	153	4	907	1955	3.2	72	70	"	"	0.07	0.20	0.04	*0.05	
153	158	5	1588	1982	5.2	100	65	"	"	0.09	0.10	0.09		
158	161.5	3.5	962		3.1	88		"	"	0.14	Nil			
158	163	5		1701	5.2		47	"	Ls. & Dike			0.05		
163	169	6		2155	2.1		47	"	Dike	0.15	Nil	*0.05		
161.5	169	7.5	907		4.9	65		"	"	0.15	Nil			
169	174	5	1111	4417	4.9	71	126	"	"	0.16	Nil	*0.05		
174	180	6		2150	4.9			"	"			*0.05		
180	185	5		1842	1.5			"	" & Ls.			0.08		
174	183	9	998		6.4	58			Dike	0.30	0.21			
185	187	2			.7	35		Good	Limestone					
187	192	5		1814	4.8	96		"	"			0.05		

* Less than

TABLE 10 - Diamond drill sampling data - Hole No. BM-10

Project: No. 607, Lost River Mine
Hole: No. 10
Elevation at collar: 280'
Dip: -45°
Date Begun: August 23, 1943

Location of hole: Lat. 5348; Dep. 4852
Depth: 463'
Bearing: S 16° 12' E
Core Size: BX 22'; AX 138'; EX 303'
Theoretical weight sludge per foot hole: 921
Date finished: September 4, 1943

Footage		Dis-	Weight, grams		Core obtained	Recovery percentage			Formation	Analyses: Core		Analyses: Sludge	
From	To	tance drilled	Core	Sludge	feet	Core	Sludge	Water		% Sn	% WO_3	% Sn	% WO_3	% CaF_2
0	5	EX 5			0	0		Good	Dike					
5	20	15	2722		2.6	17		"	"	0.15	Tr.			
5	22	17			2.9	17			"					
20	22	2	653		0.8	40		"	"	0.13	0.18			
22	28	AX 6	1588	11335	3.5	59		"	Contact	0.51	0.05	0.41	*0.05	
28	32	4	694		2.7	67				0.13	Nil			
28	34	6		5874	4.0	67			Dk & MetaLs			0.13		
34	39	5		5148	4.4	88			Meta. Ls.			0.23		
32	38.5	6.5	2468		5.2	80			" "	0.18	Nil			
38.5	41	2.5	1161		2.3	90			" "	0.15	0.28			
39	44	5			4.1	82								
41	49	8	3856		6.4	80			Brec. & Dk	0.15	0.01			
44	49	5		5670	4.4	89			Dk Breccia			0.08	*0.05	
49	51.5	2.5	839		1.6	65			" "	0.13	0.10			
49	54	5		4590	4.3	86			Contact			0.11	*0.05	
51.5	56	4.5	1814		3.5	78			"	0.07	Nil			
56	57	1	398		0.8	77				0.25	0.14			
54	59	5		7167	4.7	94			Dk & Contact			0.05	*0.05	
59	64	5			3.6	72			Clay & Brec.			0.12	*0.05	
57	64	7	2522			75			" "	0.13	0.03			
64	69	5		6577					" "			0.11	*0.05	
64	70	6	2381			77			" "	0.13	Nil			

* Less than

Table 10 - Hole No. BM-10 (Cont.)

Footage From	Footage To	Dis-tance drilled		Weight, grams Core	Weight, grams Sludge	Core obtained feet	Recovery percentage Core	Recovery percentage Sludge	Recovery percentage Water	Formation		Analyses Core % Sn	Analyses Core % WO_3	Analyses Sludge % Sn	Analyses Sludge % WO_3	Analyses Sludge % CaF_2
70	75	AX	5	2245		4.5	90			Greenstone		0.23	Nil			
69	75		6		8278	5.3	87			"				0.09	*0.05	
75	78		3	1501			97					1.37	Nil			
75	83		8		9013	5.3				Good	Ls.&Meta.Ls			0.30	*0.05	28.67
83	88		5		7398	5.2	100			"	Limestone			0.08		24.18
88	93		5	2412	7598	4.8	93	159		"	Meta.Ls.	0.66	*0.05	0.26	*0.05	29.36
93	99		6	2466	6690	5.2	79	108		"	" "	0.33	*0.05	0.25	*0.05	33.21
99	104		6		5819	4.6	76			"	" "			0.13		
104	109		5			4.9	98			"	Ls.&Meta.Ls.					
109	114		5		6065	4.5		103		"	" " "			0.21	*0.05	
114	119		5		3316	3.6	74	103		"	Meta. Ls.			0.21		
119	123		4		5683	2.6		103		"	" "			0.21	*0.05	
110	123		13	5012		9.6	74				" "	0.61	Nil			
123	128		5		3828	4.9		86		"	" "			0.13		
128	133		5		4100	3.8		86		"	" "			0.12		
123	133		10	5420		10.0	100				" "	0.13	Nil			
133	138		5		4320	3.1	62	86		"	Limestone			0.08		
138	144		6			5.1	85		Poor		"					
144	148		4		10714	3.1	77		Good		"			0.07		
148	154		6		5194	4.8	80		"		"			0.10		
154	160		6		1928	5.3	88		Fair		"			*0.05		
161	162.5			708								1.24	0.24			
162.5	165			519								0.10	*0.05			
160	165	EX	5		3515	4.2	98	114	Good	Mineralized Ls				0.40	*0.05	26.36
165	168			799			85					*0.05	*0.05			
165	170		5		1842	5.0	100	61	Good	Limestone				0.48	*0.05	
170	175		5		2522	4.5	100	83	"	Meta. Ls.				0.82	*0.05	41.24
175	180		5		1842	4.9	100	61	"	" "				0.41	*0.05	36.70

* Less than

Table 10 - Hole No. BM-10 (Cont.)

Footage From	Footage To	Distance drilled	Weight, grams Core	Weight, grams Sludge	Core obtained feet	Recovery percentage Core	Recovery percentage Sludge	Recovery percentage Water	Hardness	Formation	Analyses Core % Sn	Analyses Core % WO_3	Analyses Sludge % Sn	Analyses Sludge % WO_3	Analyses Sludge % CaF_2
168	180	12	4559		12.0	100				Meta. Ls.	0.79	Nil			
180	187	7		680	5.3	70			Fair	" "			0.39	*0.05	30.49
187	193	6		2694	3.8	70			37 Good	" "			0.34	*0.05	37.43
180	193	13	2858		9.1	70				" "	0.20	Nil			
193	198	5		2155	4.2	70			Good	" "			0.22		
198	203	5		2241	4.9	100			48 "	" "			0.94	*0.05	34.88
193	203	10	3230		10.0	100				" "	0.69	Nil			
203	209	6		794	4.8	91			Fair	Limestone			0.33	*0.05	33.05
209	214	5			4.4	52			None	"					
203	213	10	2858		9.1	91				Meta. Ls.	0.28	Nil			
213	214	1	164		.5	52				Limestone	0.40	*0.05			
214	218	4	325	1814	1.2	26			54 Good	"	0.17	*0.05	0.24	*0.05	24.41
218	223	5	869	2381	3.1	55			64 "	"	0.19	*0.05	0.31	*0.05	50.02
223	228	5	1377	2209	4.7	88			68 "	"	0.18	*0.05	0.08	*0.05	
228	233	5	1110	621	4.1	71			17 Fair	"	0.22	*0.05	0.20	*0.05	
233	238	5			2.6	62			None	Meta Ls.					
238	239	1			0.3	62			"	" "					
239	246	7		2041	5.3	62			Good	" "			0.05		
246	252	6		481.	4.9	62			Fair	" "			0.05		
233	252	19	3684		11.8	62				" "	0.20	Nil			
252	256	6		1928	3.3	69			Good	" "			0.05		
256	262	6		2127	4.9	69			49 "	" "			0.09		
262	268	6		2098	5.2	69			"	" "			0.14		
268	274	6		2182	4.2	69			"	" "			0.33	*0.05	24.50
252	274	22	5194		15.2	69				" "	0.28	0.22			
274	280	6		4241	2.0				Good	Meta Ls.			0.18		
280	285	5		3588	2.9				"	" "			0.35	*0.05	33.83

* Less than

Table 10 - Hole No. BM-10 (Cont.)

Footage From	Footage To	Distance drilled	Weight, grams Core	Weight, grams Sludge	Core obtained feet	Recovery percentage Core	Recovery percentage Sludge	Recovery percentage Water	Formation	Analyses Core % Sn	Analyses Core % WO_3	Analyses Sludge % Sn	Analyses Sludge % WO_3	Analyses Sludge % CaF_2
285	290	5		4139	2.2	69	88	Good	Meta. Ls.			0.21		
290	295	5		1615	3.3			"	" "			0.29	*0.05	29.45
274	295	21	3230		14.5	69			" "	0.30	0.10			
295	302	7		1787	5.2			"	" "			0.16		
302	308	6	4989	2835	4.6	80	61	"	" "			0.11		
308	315	7		3629	5.0			"	Brec.& MetaLs.			0.14	*0.05	
295	317	22	4989		17.6	80			Meta. Ls.	0.28	Nil			
315	320	5		3035	4.2			"	" "			0.11	*0.05	
320	325	5		2608	1.7	28	59	"	" "			*0.05	*0.05	
325	330	5		1728	0.9			"	" "			0.05	*0.05	
317	330	13	1293		6.5	50			" "	0.20	Tr.			
330	336	6		2087	5.1	52	64	"	Kao Dike			*0.05	*0.05	
336	342	6		3685	5.1			"	" "			*0.05		
330	342	12	1973		10.2	85			" "	0.25	0.01			
342	350	8	567	7970	3.3	23	117	"	" "	0.09	Nil	*0.05		
350	356	6		3493	4.9			"	Limestone			0.05		
350	360	10	2064		6.7	67			Kao & Ls	0.20	Nil			
356	363	7		4082	3.8	66		"	" "			*0.05		
360	369	9	653		5.0	55			Kao & Calcite	0.23	Nil			
363	369	6		4876	3	23		"	" "			*0.05		
369	376	7		3429	4.9			"	" & Min.			*0.05	*0.05	
369	381	12	2495		10.2	85			" "	0.32	0.10	*0.05	*0.05	
376	381	5			5.3	66		"	" "			0.18		
381	389	8	1361		4.8	60			" "	1.09	Nil			
381	387	6	1361	6831	5.3	62		Good	Kao & Min	1.09	Nil	0.21		
389	394	5	771		2.5	50			" "	5.84	0.30			
387	394	7	771	8537	3.6	49		"	" "	5.84	0.30	0.60	*0.05	15.05
394	400	6		6482	4.2			"	" "			0.18	*0.05	
394	409	15	1724		8.3	55			" "	0.14	0.20			

* Less than

Table 10 - Hole No. EM-10 (Cont.)

Footage From	Footage To	Distance drilled	Weight, grams Core	Weight, grams Sludge	Core obtained feet	Recovery percentage Core	Recovery percentage Sludge	Water	Formation	Analyses Core % Sn	Analyses Core % WO_3	Analyses Sludge % Sn	Analyses Sludge % WO_3	Analyses Sludge % CaF_2
400	404	4	1724	7688	2.9	37		Good	Kao & Min.	0.14	0.20	0.13		
409	414	5	998		3.2	64			Hard Granite	0.23	Nil			
404	410	5	998	8872	2.4	64		"	Kao & Min.			0.09		
410	416	6		8051	3.2			"	Hard Granite	0.23	Nil	0.10		
414	427	13	2608		8.3	64			" "	0.20	Nil			
416	421	5	2608	9385	4.0	64		"	" "			0.09		
421	427	6		10206	3.5			"	" "	0.20	Nil	0.12		
427	438	11	2209		8.6	78			" "	0.18	Tr.			
427	432	5	2209	7198	4.1	78		"	" "			0.11		
432	438	6			4.7			"	" "	0.18	Tr.			
438	444	6		11621	5.0	83		"	" "			0.10		
444	449	5		12581	5.1	100		"	" "			0.12		
449	455	6		12070	2.6	43		"	" "			0.06		
455	456	1		1106	0.8	80		"	" "					
456	463	7		13439	4.1	58		"	" "					

* Less than

TABLE 11 - Diamond drill sampling data - Hole No. BM-11

Project: No. 607, Lost River Mine
Hole: No. 11
Elevation at collar: 292'
Dip: -45°
Date Begun: August 12, 1943

Location of hole: Lat. 5175; Dep. 4890
Depth: 457'
Bearing: N 25° 12' E
Core Size: BX 9'; AX 105'; EX 343'
Theoretical weight sludge per foot hole: 921 & 607
Date finished: August 23, 1943

Footage		Distance drilled		Weight, grams		Core obtained feet	Recovery percentage		Formation		Analyses			
											Core		Sludge	
From	To		Core	Sludge	Water		Core	Sludge			% Sn	% WO_3	% Sn	% WO_3	% CaF_2
0	4.5	BX	4.5	3035		3.0	62			Meta. Ls	0.94	0.03			
4.5	9		4.5	2155		4.0	44		Fair	Basic dike	0.32	Nil			
9	14	AX	5	1633		3.5	63		"	Acid dike	0.12	Nil			
14	19		5		2381	3.2	64		"	" "			*0.05	*0.05	
14	18.5		4.5	1157		3.0	67				0.14	Nil			
18.5	24		5.5	612		1.7	31				0.12	Nil			
19	24		5		3035	1.5	22		Good	Acid dike			*0.05		
24	26		2		762	2.0	71		Fair	" "			*0.05		
26	29		3		567	3.0				Basic dike			*0.05		
29	34		5		762	5.0				" "			0.05		
24	33.5		9.5	3470		9.5	100				0.23	Nil			
34	39		5		965	4.7	70		Fair	Meta.Ls & Ls			0.16		
39	43		4		1588	2.3			"	Dike & Meta Ls			0.18	*0.05	
33.5	42.5		9.0	3261		7.0	77				0.51	0.03			
43	49		6		2921	2.8	45		Good	Meta. Ls.			0.16	*0.05	
42.5	50		7.5	1724		3.7	49				0.23	Nil			
49	54		5		3515	2.3	45		Good	Limestone			0.09		
54	59		5		2268	3.0			"	"			0.11		
50	61		11	2563		5.8	53				0.14	Nil			
59	64		5		3996	5.2	100		Good	Limestone			0.09		
64	69		6		3035	5.2	100		"	"			0.11		

* Less than

Table 11. Hole No. BM-11 (Cont.)

Footage From	Footage To	Distance drilled	Weight, grams Core	Weight, grams Sludge	Core obtained, feet	Core recovery percentage	Sludge recovery percentage	Water	Formation	Analyses Core % Sn	Analyses Core % WO_3	Analyses Sludge % Sn	Analyses Sludge % WO_3	Analyses Sludge % CaF_2
69	74 AX	5		4479	5.1	100			Good Limestone			0.08		
74	79	5	1855	2722	4.2				" "	0.10	Nil	0.18		
79	84	5		2835	5.3	100			" "			0.09		
84	89	5		3629	4.8	96			" "			0.12		
89	94	5		2468	5.2	100			" "			0.12		
94	99	5		4409	4.0	80			" "			0.05		
99	104	5		2944	4.0	80			" "			0.11		
104	109	5		3003	5.3	100			" "			0.12		
109	114	5		5330	5.1	100			" "			0.19		
114	119 EX	5		3143	3.4	52			" Ls. & Meta.			0.15	*0.05	
114	121	7.0	1134		4.9	70				0.23	0.30			
119	124	5		2695	5.2	100			" " "			0.19	*0.05	
124	129	5		2917	5.2				" " "			0.05	*0.05	
121	127	6	2087		6.0	100				0.23	0.45			
129	134	5		1701	5.0	90			" " "			0.14		
134	139	5		2409	4.8				" " "			0.18		
127	137	10	2808		9.0	90				0.21	0.40			
139	145	6		2381	4.2	72			" " "			0.37	*0.05	
145	150	5		2213	5.2				" " "			0.98	*0.05	
139	148.5	9.5	2127		8.4	88				1.40	Nil			
150	155	5			3.6				None Limestone					
155	156	1			1.0	55			" "					
156	162	6		1928	3.4				Good "			0.62	*0.05	
152	164	12	2064		8.0	67				1.37	Nil			
164	167	3	692		2.8	94				*0.05	Nil			
162	167	5		907	4.7	74			Fair Limestone			0.57	*0.05	
167	174	7		1442	5.2	74			" "			0.14		
174	176	2	742		2.0	100				*0.05	Nil			
174	179	5		1442	5.2				" "		0.05	0.23		
179	184	5		875	5.2	100			" "			0.77	*0.05	

* Less than

Table 11 - Hole No. BM-11 (Cont.)

Footage		Distance drilled	Weight, grams		Core obtained, feet	Recovery percentage			Formation		Analyses				
											Core		Sludge		
From	To		Core	Sludge		Core	Sludge	Water			% Sn	% WO_3	% Sn	% WO_3	% CaF_2
176	184	8	2699		8.0	100					1.47	Tr.			
184	189	5		141	5.0			Fair	Limestone				1.02	*0.05	
189	191	2			0.6	89		Poor	"				0.43	*0.05	
184	191.5	7.5	2100			89					0.66	0.25			
191	196	5		1928	4.0	80		Good	Limestone				0.14		
196	202	6		2803	4.9	96		"	"				0.11		
202	207	5		1560	4.4	88		"	"				0.19		
207	213	6		2295	4.8	80		"	"				0.09		
213	218	5		1388	5.1	100		"	"				0.12		
218	223	5		735	4.9			Fair	Ls. & Dike				0.18		
223	229	6			2.4	50		None	Dike						
219.5	229	9.5	1474		6.3	66		"			0.23	0.12			
229	235	6			5.0	83		"	Dike & Ls.				0.19		
235	237	2			0.6	30		"	Limestone						
237	243	6		86	2.0	27	1	Poor	"				0.43	*0.05	
237	240	3	499		1.1	35		"			0.35	Nil			
243	248	5		3429	4.0	80							0.10		
248	254	6		2041	4.2	82		Good	Meta. Ls				0.32	*0.05	
247	258	11	2812		9.0	82		"			0.58	Nil			
254	259	5		1728	4.3			"	Dike				0.45	*0.05	
259	264	5		2635	4.9	89		"	"						
258	263	5	1388		4.3	85		"			0.23	0.02			
264	269	5		907	4.4	71		Fair	"				0.10	0.51	
263	268	5	1111		4.5	90		"			0.09	0.10			
269	270	1		141	0.9	66	17	"	Basic dike				0.10		
270	275	5		567	3.2			"	"	"			0.10		
268	275	7	1247		4.8	70			"	"	0.18	0.10			
275	281	6		227	5.0	90		"	Meta. Ls				0.17		
281	287	6		1361	5.2	100		Good	"	"			0.22		
275	285	10	2835		10.0	100			"	"	0.18	Nil			
285	287	2	625		2.0	100			"	"	0.10	0.03			

* Less than

Table 11 - Hole No. BM-11 (Cont.)

Footage From	Footage To	Distance drilled	Weight, grams Core	Weight, grams Sludge	Core obtained feet	Recovery percentage Core	Recovery percentage Sludge	Recovery percentage Water	Formation	Analyses Core % Sn	Analyses Core % WO_3	Analyses Sludge % Sn	Analyses Sludge % WO_3	Analyses Sludge % CaF_2
287	292	5		2182	5.0				Good Limestone			0.12		
292	297	5	1495	2155	4.5	95	69		" "	Nil	0.01	0.26	*0.05	
297	302	5		2381	5.2	100			" "			0.09		
302	307	5		1247	2.6	52			Fair "			0.11		
307	312	5		907	4.2	84			" "			0.05		
312	317	5		680	1.9	38			" "			*0.05		
317	323	6		3116	5.2	86			Good Ls. & Dike			0.14		
323	330	7		2155	5.2	74			" Limestone			*0.05		
330	337	7		621	4.5	64			Fair "			0.05		
337	342	5	839	2127	3.2	48			Good Dike	0.13	Nil	*0.05	*0.05	
339.5	345	5.5	839		4.6	83			"	0.13	Nil			
342	348	6	1565	2014	4.7	100			Good "	0.04	0.01	*0.05	*0.05	
345	350	5	1565		5.0	100			"	0.04	0.01			
348	353	5		1928	2.5				Good Dike & Ls.			*0.05	*0.05	
353	359	6		1615	5.4	90			" Limestone			*0.05		
359	365	6		794	5.1	85			Fair "			*0.05		
365	371	6		227	4.5	75			" "			*0.05		
371	376	5		1388	5.2	100			" "			*0.05		
376	382	6		2123	3.6	60			Good "			*0.05		
382	385	3		227	2.8	93			Poor "			*0.05		
385	390	5		848	5.0	100			Fair "			0.05		
390	395	5		794	4.6	92			" "			*0.05		
395	401	6		1869	4.9	81			Good "			*0.05		
401	406	5		1417	5.0	100			" Ls. & Dike			*0.05		
406	411	5		481	5.0	100			Fair Limestone			*0.05		
411	418	7		1615	4.0	57			Good "			*0.05		
418	424	6		1474	5.0	83			" "			*0.05		
424	429	5		621	4.9	98			Fair "			*0.05		
429	434	5		963	5.2	100			" "			0.05		

* Less than

Table 11 - Hole No. BM-11 (Cont.)

Footage From	Footage To	Distance drilled	Weight, grams Core	Weight, grams Sludge	Core obtained feet	Recovery percentage Core	Recovery percentage Sludge	Recovery percentage Water	Formation	Analyses Core % Sn	Analyses Core % WO_3	Analyses Sludge % Sn	Analyses Sludge % WO_3	Analyses Sludge % CaF_2
434	440	6		934	4.6	76			Fair Limestone			*0.05		
443.5	445	1.5	408		1.3	87			Ls. & Dike	0.62	0.08			
440	445	5		1048	3.4	87			Fair " "			0.10		
445	450	5		762	4.3	78			" Dike			0.67	1.16	
450	451	1			1.4				Poor "			0.13		
445	451	6	1474		5.2	87			" "	0.18	0.10			
451	457	6		1048	5.2	86			Fair Limestone			*0.05		

* Less than

29

TABLE 12 Diamond drill sampling data - H No. BM-12

Project: No. 607, Lost River Mine
Hole: No. 12
Elevation at collar: 248.5'
Dip: -45°
Date Begun: September 5, 1943

Location of hole: Lat. 5190; Dep. 4726
Depth: 437'
Bearing: N 17° 50' E
Core Size: BX 15'; AX 165'; EX 257'
Theoretical weight sludge per foot hole: 921 & 607
Date finished: September 13, 1943

Footage		Dis-	Weight, grams		Core	Recovery percentage			Formation	Analyses				
		tance			obtained					Core		Sludge		
From	To	drilled	Core	Sludge	feet	Core	Sludge	Water		% Sn	% WO_3	% Sn	% WO_3	% CaF_2
0	5	BX 5			0	0	0	Good						
5	15	10			2.6	25		"	Ls. & Dike					
15	35	20	4423		11.0	55			Dike	0.53	Nil			
15	20	AX 5		3148	1.8			"	"			0.47	*0.05	
20	25	5		5783	3.4	43	62	"	"			*0.05		
25	30	5		4223	2.8			"	"			0.34	*0.05	
30	35	5		1869	3.0			"	Limestone			0.23		
35	40	5		2268	3.6	48	37	"	Meta. Ls.			0.16		
35	45	10	2468		6.1	61			" "	0.13	0.06			
40	45	5		2155	2.5			Good	Meta.Ls & Brec.			0.16	*0.05	
45	50	5	2781	2721	5.2	100	59	"	Ls.Breccia	0.46	0.02	0.38	*0.05	
50	60	10	5613		10.1	100			" "	0.64	0.11			
50	55	5		2268	4.9	100	51	"	" "			0.28	*0.05	27.07
55	60	5		2468	5.0			"	" "			0.69	*0.05	
60	65	5	1787	3289	4.2	69	51	"	" "	0.46	Nil	0.33	*0.05	
65	70	5	1814	3942	5.0	70	73	"	" "	0.23	0.07	0.32	*0.05	
70	75	5	267	4677	0.7	10	68	"	" "	2.02	0.10	0.23	*0.05	
75	80	5	735	2018	2.7	28	31	"	Dike "	0.23	Tr.	0.26	*0.05	25.28
80	85	5	1674	3062	4.0	65	55	"	" "	0.25	0.03	0.17	*0.05	35.80
85	90	5	2322	2014	5.0	90	41	"	" "	0.09	Nil	0.23	*0.05	
90	95	5	2381	3232	5.0	92	67	"	" "	0.20	0.35	0.25	*0.05	24.91
95	100	5	2608	3892	5.2	100	85	"	" "	0.18	0.21	0.30	*0.05	

* Less than

Table 12 - Hole No. BM-12 (Cont.)

Footage From	Footage To	Distance drilled	Weight, grams Core	Weight, grams Sludge	Core obtained feet	Recovery percentage Core	Recovery percentage Sludge	Recovery percentage Water	Formation	Analyses Core % Sn	Analyses Core % WO_3	Analyses Sludge % Sn	Analyses Sludge % WO_3	Analyses Sludge % CaF_2
100	105	5	2948	2608	5.0	100	61	Good	Ls.& DikeBr.	0.16	Nil	0.17		
105	111	6			5.0	83		None	Meta.Ls.Brec.			0.12		
111	116	5		5359	4.5	90		Good	" " "			0.11		
116	121	5	2975	4282	5.0	100	101	"	Meta. Ls.	0.05	Nil	0.28	*0.05	23.93
121	126	5	2829	4595	5.0	100	105	"	" "	0.10	Nil	0.20		
126	132	6	2502	5983	5.0	82	98	"	" "	0.05	0.03	0.15		
132	137	5	2532	5679	5.1	98	122	"	" "	0.10	0.04	0.23	*0.05	17.40
137	142	5	2130	5130	4.4	82	101	"	" "	Nil	Nil	0.22		
142	148	6	1562	7257	3.3	50	103	"	" "	.15	Nil	0.25	*0.05	23.14
148	153	5		9185	5.1	100		"	" "			0.08		
153	158	5		9017	4.9	98		"	" "			0.07		
158	163	5		9045	5.1	100		"	" "			0.08		
163	168	5		9214	5.2	100		"	" "			0.08		
168	174	6		1928	3.5	58		"	" "& Dike			0.13		
174	180	6		7598	5.0	83		"	Brec.& Metals			0.15		
180	186	EX 6	1134	1451	4.2	60	33	Fair	Dike Breccia	0.13	Tr.	0.13		
186	191	5		2953	2.4	54		Good	" "			0.45	*0.05	37.20
186	192	6	1021		3.2	54				0.44	Tr.			
191	197	6		2959	4.4			"	Dike & Metals			0.11		
197	202	5		1905	5.0	90		"	Dike			0.05		
192	202	10	2808		8.4	84			"	0.20	Nil			
202	208	6		3656	4.5	70		"	Frac.Dk&Sil			0.13		
202	210	8	1755		5.6	70			Dike Breccia	0.25	0.22			
208	213	5		3107	4.9			"	Frac.Dk & Sil			0.25	*0.05	24.34
213	218	5		3606	5.2	99		"	" " "			0.21		
210	219	9	2808		9.0	100			Dike Breccia	0.28	0.53			
218	223	5			4.8	100		"	Ls. & Meta. Ls					
219	223.5	4.5	2096		4.5	100			Dike Breccia	0.41	0.09			

* Less than

Table 12 Hole No. BM-12 (Cont.)

Footage From	Footage To	Distance drilled	Weight, grams Core	Weight, grams Sludge	Core obtained feet	Recovery percentage Core	Recovery percentage Sludge	Recovery percentage Water	Formation	Analyses * Core % Sn	Analyses * Core % WO_3	Analyses * Sludge % Sn	Analyses * Sludge % WO_3	Analyses * Sludge % CaF_2
223	228 EX	5		4082	1.8			Good	Dike			0.41	*0.05	33.90
228	234	6			5.1	66		"	"			0.31	*0.05	24.82
223.5	235	11.5	2381		7.6	66			"	0.76	0.71			
234	239	5		2381	5.1	88		"	Meta.Ls&Dk			0.57	*0.05	28.64
239	245	6		3561	5.0			"	" " "			0.26	*0.05	35.24
235	244.5	9.5	2608		8.4	88			" " "	0.96	0.13			
245	252	7		4168	2.8	35		"	Dike			0.23		
244.5	252	7.5	821		3.0				"	0.32	Nil			
252	258	6		2778	5.2	65		"	"			0.06		
252	260	8	1642		5.2	65			"	0.07	Nil			
258	263	5		3969	3.7			"	Kao Granite			0.32	*0.05	5.44
263	269	6		4422	4.0	100		"	Granite			0.35	*0.05	6.15
260	269	9	3357		9.0	100			Kao Granite	0.25	Nil			
269	274	5		4177	5.0			"	Granite			0.36	*0.05	4.48
274	279	5		2295	4.5	89	88	"	"			0.10		
279	284	5		2014	4.9			"	"			0.13		
269	284	15	4168		13.4	89			"	0.18	Nil			
284	290	6		2753	4.7	78		"	"			0.05		
290	295	5		2440	5.0	100		"	"			0.10		
295	300	5		2241	5.2	100		"	"			0.10		
300	306	6		3715	1.3	21		"	"			0.10		
306	311	5	1069	2880	4.6	68	81	"	"	0.05	Nil	0.12		
311	316	5	732	2223	2.7	47	56	"	"	0.05	Nil	0.51	*0.05	4.05
316	320	4	642	2468	2.3	51	81	"	"	Nil	Nil	0.80	*0.05	3.36
320	325	5	1519	2326	5.0	97	75	"	"	Nil	0.03	0.24	*0.05	2.10
325	330	5			5.0	100		"	"			0.13		
330	336	6		2437	5.1	85		"	"			0.12		
336	341	5		2749	5.0	100		"	"			0.07		
341	346	5		2050	5.0	100		"	"			*0.05		
346	351	5			5.1	100		"	"					

* Less than

Table 12 - Hole No. BM-12 (Cont.)

Footage		Distance drilled	Weight, grams		Core obtained	Recovery percentage			Formation	Analyses				
										Core		Sludge		
From	To		Core	Sludge	feet	Core	Sludge	Water		% Sn	% WO_3	% Sn	% WO_3	% CaF_2
351	356	5		1842	5.0	100		Good	Granite					*0.05
356	361	5		2749	5.0	100		"	"					*0.05
361	366	5			5.0	100		"	"					*0.05
366	371	5		2921	5.0	100		"	"					*0.05
371	375	4		2245	3.7	92		"	"					*0.05
375	381	6		2722	5.2	86		"	"					*0.05
381	386	5		2976	5.1	85	71	"	"					*0.05
386	392	6		2154	4.9			"	"					*0.05
381	392	11	2921		9.4	85			"	0.12	Nil			
392	398	6		5103	2.4	40		"	"					*0.05
398	404	6		3175	3.9	65		"	"					*0.05
404	410	6		4223	4.5	75		"	"					0.05
410	415	5		3670	4.2	84		"	"					*0.05
415	421	6		3828	3.0	50		"	"					*0.05
421	426	5		4930	3.3	66		"	"					*0.05
426	432	6		3715	5.2	86		"	"					*0.05
432	437	5	735		2.9	58		"	"	0.14	Nil			

* Less than

TABLE 13 - Diamond drill sampling data - Hole No. BM-14

Project: No. 607, Lost River Mine
Hole: No. 14
Elevation at collar: 244.5'
Dip: -45°
Date Begun: August 27, 1943

Location of hole: Lat. 6022; Dep. 4595
Depth: 621'
Bearing: S 25° W
Core Size: BX 10'; AX 88'; EX 502'
Theoretical weight sludge per foot hole: 921 & 607
Date finished: September 14, 1943

Footage		Distance drilled	Weight, grams		Core obtained feet	Recovery percentage			Formation	Analyses				
										Core		Sludge		
From	To		Core	Sludge		Core	Sludge	Water		% Sn	% WO_3	% Sn	% WO_3	% CaF_2
276	280	4		1982	4.3	100		Good	Limestone					0.16
583	590	7		None	3.7	53		Lost	"					
590	596	6	1474	"	5.0	83		"	Dike	0.15	0.32			
589	595	6	1474		5.0	83		None	Ls. & Dike	0.15	0.32			
596	601	5		None	3.7	74		Lost	Dike					
601	607	6	4808	"	5.1	85		"	"	0.14	0.31			
607	614	7		"	5.1	73		"	"					
595	614.5	19.5	4808		17.0	87		None	"	0.14	0.31			
614	621	7			5.1	73		Lost	Dike & Ls.					

* Less than

TABLE 14 - Diamond drill sampling data - Hole No. BM-17

Project: No. 607, Lost River Mine
Hole: No. 17
Elevation at collar: 411'
Dip: -45°
Date Begun: June 25, 1944

Location of hole: Lat. 6375; Dep. 4069
Depth: 683'
Bearing: S 20° W
Core Size: EX 20'; AX 147'; EX 516'
Theoretical weight sludge per foot hole: 921 & 607
Date finished: July 10, 1944

Footage From	To	Distance drilled		Weight, grams Core	Sludge	Core obtained feet	Recovery percentage Core	Sludge	Water	Formation	Analyses Core % Sn	Core % WO_3	Sludge % Sn	Sludge % WO_3	Sludge % CaF_2
132	137	AX	5		3901	4.0	80			Good Limestone			*0.05	*0.05	
197	202	EX	5		3610	4.9	98			" "			*0.05	*0.05	
202	207		5		1224	5.0	100			" "					
317	322		5		922	3.6	72			" "			*0.05	*0.05	
388	394		6		2829	5.2	87			" Frac.Ls.&Basic Fill			0.06	*0.05	
394	403		9		4293	2.7	30			" " " " "			0.13	*0.05	
403	410		7		3996	2.8	40			" " " " "			*0.05	*0.05	
410	415		5		1962	5.2	100			" " " " "			0.06	*0.05	
415	421		6		2077	4.4	73			" " " " "			0.07	*0.05	
421	426		5		2212	4.1	82			" " " " "			*0.05	*0.05	
426	431		5		2547	3.5	70			" " " " "			*0.05	*0.05	
431	436		5		1960	2.5	50			" " " " "			0.09	*0.05	
436	442		6		3063	1.6	26			" " " " "			*0.05	*0.05	
442	447		5		3040	2.3	46			" " " " "			*0.05	*0.05	
447	453		6	878	3082	4.6	77	66		" Frac.Ls.with pyrite	0.10	Nil	0.13	*0.05	
453	459		6	1160		4.1	68			" Frac.Ls.with Dike	0.20	0.03			
459	464		5	1218	1902	5.0	100	56		" Frac.Ls. and Calcite	0.20	Nil	*0.05	*0.05	
464	470		6	1155	5781	4.4	73	132		" Frac.Ls. and Calcite	0.10	Nil	0.06	*0.05	
470	476		6	1312		4.7	78			" Frac.Ls. and Calcite	0.05	Nil			

* Less than

Table 14 - Hole No. BM-17 (Cont.)

Footage From	Footage To	Distance drilled	Weight, grams Core	Weight, grams Sludge	Core obtained feet	Recovery percentage Core	Recovery percentage Sludge	Recovery percentage Water	Formation	Analyses Core % Sn	Analyses Core % WO_3	Analyses Sludge % Sn	Analyses Sludge % WO_3	Analyses Sludge % CaF_2
476	481	5	745	2377	3.1	62	62	Good	Frac.Ls. and Calcite	0.05	0.01	0.11	*0.05	
481	488	7	1265	3489	5.5	79	67	"	Frac.Ls. and Calcite	0.05	Nil	0.08	*0.05	
488	496	8	495	7030	4.2	53	107	"	Dike with Ls.Frac.	0.15	Nil	0.10	*0.05	
496	502	6	1435	3385	5.2	87	83	"	Dike with Ls.Frac.	0.15	Nil	0.11	*0.05	
502	508	6	767	3077	3.2	53	65	"	Calcite&Dike	0.15	Nil	0.30	*0.05	
508	514	6	903	4216	3.1	52	91	"	Calcite& Ls.	Nil	Nil	0.12	*0.05	
514	519	5	1175	2907	4.0	80	85	"	" "	Nil	Nil	*0.05	*0.05	
519	525	6	707	2975	2.6	43	62	"	" "	Nil	Nil	*0.05	*0.05	
525	530	5	1425	2427	4.6	92	75	"	" "	0.05	0.01	0.08	*0.05	
530	537	7	995	3800	3.7	53	70	"	Frac.Ls. GreenFill	Nil	Nil	0.12	*0.05	
537	543	7	765	3971	2.9	41	70	"	Frac.Ls. GreenFill	0.10	Nil	0.18	*0.05	
543	549	6	835		3.4	67		"	Frac.Ls. GreenFill	Nil	Nil			
549	555	6	707	3250	2.6	43	67	"	Frac.Ls. GreenFill	Nil	0.01	0.06	*0.05	
555	561	6	985	2987	3.8	63	65	"	Calcite & Ls.	Nil	Nil	0.09	*0.05	
561	566	5	667	2768	3.0	60	70	"	Dike & Ls.	Nil	Nil	0.16	*0.05	
566	571	5	783	3203	2.8	56	84	"	" "	Nil	Nil	0.15	*0.05	
571	576	5	660	2435	2.5	50	62	"	" "	0.15	Nil	0.11	*0.05	
576	583	7	757	2692	3.4	49	47	"	" "	0.20	Nil	0.21	*0.05	
583	585	2		1580	0.0	0	86	"				0.24	*0.05	
585	590	5	315	4903	1.2	24	114	"	Dike & Ls.	0.10	0.24	0.27	*0.05	
590	595	5	497	4256	1.8	36	103	"	" "	Nil	Nil	0.33	*0.05	

* Less than

Table 14 - Hole No. BM-17 (Cont.)

Footage From	Footage To	Distance drilled	Weight, grams Core	Weight, grams Sludge	Core obtained: feet	Recovery percentage Core	Recovery percentage Sludge	Recovery percentage Water	Formation	Analyses Core % Sn	Analyses Core % WO_3	Analyses Sludge % Sn	Analyses Sludge % WO_3	Analyses Sludge % CaF_2
595	602	7	1310	5396	5.1	73	105	Good	Min. Ls.	1.13	Nil	0.31	*0.05	
602	608	6	1080	4843	3.8	63	109	"	" "	0.10	Nil	0.27	*0.05	
608	614	6		4135	3.7	62		"	Ls. & Dike	0.10	Nil	0.21	*0.05	
614	619	5		4104	1.8	36		"	Dike & Ls.	0.30	Nil	0.50	*0.05	
619	623	4		3087	2.8	70		"	" "	0.15	Nil	0.53	*0.05	
623	629	6		4518	1.5	25		"	" "	0.35	Nil	0.44	*0.05	
629	635	6		8605	2.9	48		"	" "	0.25	Nil	0.30	*0.05	
635	642	7		5003	3.4	48		Good	" "	0.10	Nil	0.25	*0.05	
642	648	6		6306	2.4	40		"	" "	0.15	0.01	0.31	*0.05	
648	655	7		7530	1.7	24		"	" "	0.45	Nil	0.22	*0.05	
655	662	7		6143	2.3	33		"	Limestone					
662	668	6		7430	4.7	78		"	"					
668	675	7		10629	5.2	74		"	"					
675	683	8		11012	4.5	56	185	"	"					

* Less than

TABLE 15 - Diamond drill sampling data - Hole No. BM-21

Project: No. 607, Lost River Mine
Hole: No. 21
Elevation at collar: 312'
Dip: -40°
Date Begun: August 12, 1944

Location of hole: Lat. 5977; Dep. 4740
Depth: 565'
Bearing: N 9° E
Core Size: BX 23'; AX 260'; EX 282'
Theoretical weight sludge per foot hole: 921 and 607
Date finished: August 20, 1944

Footage From	Footage To	Dis-tance drilled	Weight, grams Core	Weight, grams Sludge	Core obtained: feet	Recovery percentage Core	Recovery percentage Sludge	Recovery percentage Water	Formation	Analyses Core % Sn	Analyses Core % WO_3	Analyses Sludge % Sn	Analyses Sludge % WO_3	Analyses Sludge % CaF_2
29	34 AX	5		5278	5.1	100		Good	Limestone			0.12	*0.05	
34	39	5		5335	5.1	100		"	"			*0.05	*0.05	
64	70	6		5396	4.1	68		"	"			0.07	*0.05	
80	85	5		4866	5.1	100		"	"			*0.05	*0.05	
115	121	6		3998	5.1	83		"	"			0.08	*0.05	
131	136	5		4731	5.1	100		"	"			0.17	*0.05	
136	141	5		4356	4.3	86		"	"			0.10	*0.05	
166	171	5		3851	5.0	100		"	"			0.06	*0.05	
171	176	5	2967	4861	5.1	100	105.6	"	"	0.10	Nil	0.09	*0.05	
176	181	5		4156	5.1	100		"	"			0.06	*0.05	
181	187	6		3127	5.1	100		"	"			*0.05	*0.05	
187	192	5	2909	4591	5.1	100	99.7	"	"	0.05	Nil	0.10	*0.05	
192	198	6		5051	5.1	83		"	"			0.05	*0.05	
198	203	5		4401	5.0	100		"	"			0.05	*0.05	
203	208	5	2877	3570	5.0	100	77.5	"	"	0.05	Nil	0.05	*0.05	
208	213	5		3565	5.1	100		"	"			0.05	*0.05	
213	218	5	2932	3845	5.1	100	83.5	"	"	Nil	Nil	0.06	*0.05	
218	223	5	2367	4076	4.1	82	84.4	"	"	Nil	Nil	0.05	*0.05	
223	228	5		2662	3.4	68		"	"			0.05	*0.05	
228	233	5		2822	5.1	100		"	"			0.05	*0.05	
233	238	5		3500	5.0	100		"	"			0.10	*0.05	

* Less than

Table 15 - Hole No. BM-21 (Cont.)

Footage From	Footage To	Distance drilled	Weight, grams Core	Weight, grams Sludge	Core obtained: feet	Recovery percentage Core	Recovery percentage Sludge	Recovery percentage Water	Formation	Analyses Core % Sn	Analyses Core % WO_3	Analyses Sludge % Sn	Analyses Sludge % WO_3	Analyses Sludge % CaF_2
238	243	5		3450	5.1	100		Good	Limestone			0.10	*0.05	
243	248	5		3495	5.1	100		"	"			0.06	*0.05	
263	268	5		3721	5.1	100		"	"			0.10	*0.05	
283	288 EX	5		3335	4.9	98		"	"			0.10	*0.05	
315	320	5		2997	4.2	84		"	"			0.05	*0.05	
346	351	5		2334	4.9	98		"	"					
351	356	5		2324	2.4	48		"	"			0.05	*0.05	
356	361	5		2324	5.0	100		"	"			0.19	*0.05	
361	366	5		2165	4.7	94		"	"			0.05	*0.05	
366	371	5		1470	4.3	86		"	"			0.07	*0.05	
371	376	5		2523	5.1	100		"	"			0.05	*0.05	
376	381	5		2158	4.6	92		"	"			0.06	*0.05	
381	386.	5		2250	5.0	100		"	"			0.05	*0.05	
386	391	5		2383	4.9	98		"	"			0.18	*0.05	
391	396	5		2228	5.0	100		"	"			*0.05	*0.05	
396	401	5		2293	2.2	44		"	"			*0.05	*0.05	
401	404	3		2995	1.3	43		"	"			*0.05	*0.05	
404	410	6		2362	4.9	82		"	"			*0.05	*0.05	
410	416	6		2207	4.9	82		"	"			*0.05	*0.05	
416	421	5		1790	4.9	98		"	"			0.06	*0.05	
421	426	5		1565	3.5	70		"	"			0.06	*0.05	
426	431	5		2375	5.1	100		"	"			0.06	*0.05	
431	436	5		2635	5.1	100		"	"			*0.05	*0.05	
436	442	6		2412	5.0	83		"	"			*0.05	*0.05	
442	446	4	1067		3.3	83				Nil	Nil			
442	448	6		3170	5.0	83	81	"	"			*0.05	*0.05	
448	453	5		2615	5.1	100		"	"			*0.05	*0.05	
453	458	5		2365	4.9	98		"	"			*0.05	*0.05	

* Less than

Table 15 - Hole No. BM-21 (Cont.)

Footage From	Footage To	Distance drilled	Weight, grams Core	Weight, grams Sludge	Core obtained: feet	Recovery percentage Core	Recovery percentage Sludge	Recovery percentage Water	Formation	Analyses Core % Sn	Analyses Core % WO_3	Analyses Sludge % Sn	Analyses Sludge % WO_3	Analyses Sludge % CaF_2
458	464 EX	6		1372	5.0	83		Good	Limestone					
464	469	5		1505	5.0	100		"	"					
469	475	6		1295	4.8	80		"	"					
475	481	6		1535	4.9	82		"	"					
481	486	5		1425	4.8	96		"	"					
486	492	6		1272	4.9	82		"	"			*0.05	*0.05	
492	498	6		1495	5.1	85		"	"			*0.05	*0.05	
498	503	5		1225	5.0	100		"	"			*0.05	*0.05	
503	509	6		1197	5.0	83		"	"			*0.05	*0.05	
509	514	5		1162	5.1	100		"	"			0.08	*0.05	
513.5	519	5.5	1125		3.5	64		"		Nil	Nil			
514	519	5		1627	3.2	64	46.7	"	Meta.Ls.			0.08	*0.05	
519	524	5	1615	2009	5.1	100	67.2	"	Dike	Nil	Nil	*0.05	*0.05	
524	529	5	1437	1802	4.6	92	56.9	"	"	Nil		*0.05	*0.05	
529	534	5	1607	1390	5.0	100	46.4	"	"	Nil		0.07	*0.05	
534	539	5	1610	1727	4.9	98	57.7	"	"	0.05		*0.05	*0.05	
539	544	5	527	1705	2.4	48	41.8	"	"	0.05		*0.05	*0.05	
544	549	5	287	3681	1.1	22	85.3	"	Ls.& Dike	Nil		*0.05	*0.05	
549	554	5	332	3981	1.3	26	93.1	"	Dike	Nil		0.06	*0.05	
554	560	6		3545	3.2	53		"	Limestone			*0.05	*0.05	
560	565	5		2357	3.4	68		"	"			*0.05		

* Less than

TABLE 16 - Diamond drill sampling data - Hole No. BM-22

Project: No. 607, Lost River Mine
Hole: No. 22
Elevation at collar: 247'
Dip: -45°
Date Begun: September 13, 1943

Location of hole: Lat. 5382; Dep. 4737
Depth: 365'
Bearing: S 15° 47' W
Core Size: BX 20'; AX 190'; EX 155'
Theoretical weight sludge per foot hole: 921 & 607
Date finished: September 18, 1943

Footage From	Footage To	Distance drilled		Weight, grams Core	Weight, grams Sludge	Core obtained: feet	Recovery percentage Core	Recovery percentage Sludge	Recovery percentage Water	Formation	Analyses Core S.E. % Sn	Analyses Core S.E. % WO_3	Analyses Sludge Nome % Sn	Analyses Sludge Rolla % Sn	Analyses Sludge % WO_3
0	20	BX	20	4233		5.8	20			Meta. Ls.	0.15	0.02			
20	25	AX	5	2489	2068	5.0	96	44	Good	" "	0.15	Nil	0.14	0.13	
25	30		5	2317	2440	5.1	89	50	"	Frac.Meta.Ls	Nil	0.07	0.12	0.09	
30	36		6	1075	5806	3.0	35	77	"	" "	"0.15	0.03	0.19	0.16	
36	42		6	1822	7189	4.3	59	106	"	" "	"0.05	0.15	0.20	0.19	
42	47		5	2667	5357	5.2	100	116	"	" "	"0.05		0.28	0.29	
47	53		6		5352	5.1			"	Altered Ls.			0.15	0.09	
53	59		6		5996	5.1		103	"	" "			0.17	0.06	
47	59		12	5724		10.2	85				0.30	Nil			
59	65		6		6526	5.2			"	" "			0.13	0.09	
65	70		5		5144	5.2		115	"	" "			0.23	0.13	
59	70		11	5216		10.4	95				0.25	Nil			
70	75		5		4336	4.2			"	" "			0.10	0.37	*0.05
75	80		5		3562	5.2		86	"	" "			0.19	0.57	*0.05
70	80		10	4423		9.4	94				0.21	0.07			
80	86		6	2495	6337	5.2	80	103	"	Alt.Ls.& Kao	0.28	0.04	0.22	0.38	*0.05
85	92		6	1565	6282	4.1	50	89	"	" " "	0.15	0.03	0.23	0.32	*0.05
92	98		6	2517	5736	5.1	81	110	"	Meta.Ls & Dk	0.20	Nil	0.09	0.12	*0.05
98	105		7	2858	3719	5.2	79	52	"	Dike	0.20	Tr	0.06	0.12	*0.05
105	110		5	2608	4286	5.1	100	93	"	"	0.25	Nil	0.17	0.15	*0.05
110	116		6	2132	5239	4.5	69	81	"	"	0.15	Nil	0.15	0.12	*0.05
116	121		5	2631	4831	4.6	100	105	"	"	1.30	Nil	0.71	0.73	*0.05

* Less than

Table 16 - Hole No. BM-22 (Cont.)

Footage From	Footage To	Distance drilled	Weight, grams Core	Weight, grams Sludge	Core obtained feet	Recovery percentage Core	Recovery percentage Sludge	Recovery percentage Water	Formation	Analyses Core S.E. % Sn	Analyses Core S.E. % WO_3	Analyses Sludge Nome % Sn	Analyses Sludge Rolla % Sn	Analyses Sludge % WO_3
121	126	5	3003	4196	5.1	100	91	Good	Dike	.51	0.11	0.29	0.29	*0.05
126	132	6	2722	4241	5.1	88	72	"	"	0.07	0.05	0.11	0.11	*0.05
132	137	5	2694	3107	5.2	100	67	"	"	0.18	0.07	0.21	0.23	
137	143	6		4105	5.2			"	Limestone			0.26	0.25	*0.05
137	142.5	5.5	2287		4.4	80				0.10	0.01			
143	149	6		2164	5.2			"	"			0.56	0.61	*0.05
142.5	151.5	9	3629		7.2	80				0.41	Nil			
149	154	5		3289	5.1	58		"	Ls. & Dike			0.17	0.16	
151.5	154	2.5	1357		2.0	80				Nil	0.01			
154	159	5	2104	3515	5.1	81	69	"	Breccia Ls.	0.05	Nil	0.19	0.20	
159	164	5	2112	2449	5.2	82	48	"	" "	0.20	Nil	0.11	0.12	
164	169	5	2007	2882	4.7	77	56	"	" "	Nil	Nil	0.12	0.12	
169	175	6	1724	1644	3.6	55	24	"	" "	0.05	Nil	0.21	0.20	
175	181	6	2002	3613	4.7	64	54	"	" "	Nil	Nil	0.15	0.17	
181	187	6	2692	2324	5.1	87	39	"	Limestone	0.05	Nil	0.12	0.12	
187	193	6	2614	1320	5.1	84	22	"	"	Nil	Nil	0.06	0.09	
193	199	6	2326	2608	5.2	75	41	"	"	Nil	0.12	0.18	0.17	
199	205	6		2098	3.7	61		"	"			0.15	0.12	
205	210	5	1229	1077	3.0	47	18	"	Meta.Ls & Dike	0.05	Nil	0.17	0.15	
210	213 EX	3		1746	3.1			"	" " "			0.41	0.32	0.13
213	218	5		2381	1.6		67	"	Dike			0.46	0.36	*0.05
210	218	8	1247		4.7	60				0.39	Nil			
218	223	5	1012	6940	3.8	65	193	"	Alt. Ls.	0.10	Nil	0.36	0.31	*0.05
223	229	6		2948	5.1	85		"	" "			0.14	0.12	
229	234	5		2805	5.0	100		"	" "			0.11	0.09	
234	238	4		2182	2.1	52		"	" "			0.19	0.15	
238	242	4		1964	4.3	100		"	" "			0.26	0.12	
242	247	5	959	2325	4.2	61	62	"	" "	0.10	Nil	0.18	0.17	
247	253	6	1339	1388	4.6	71	33	"	Limestone	Nil	Nil		0.12	
253	255	2	579	86	1.8	92	7	Poor	"	Nil	Nil	0.27	0.27	*0.05

* Less than

Table 16 - Hole No. BM-22 (Cont.)

Footage From	Footage To	Distance drilled	Weight, grams Core	Weight, grams Sludge	Core obtained feet	Recovery percentage Core	Recovery percentage Sludge	Recovery percentage Water	Formation	Analyses Core S.E. % Sn	Analyses Core S.E. % WO_3	Analyses Sludge Nome % Sn	Analyses Sludge Rolla % Sn	Analyses Sludge % WO_3
[illegible]	260	5		567	3.8	76		Fair	Limestone			0.09	0.12	
260	265	5		1447	4.6	92		Good	"			0.12	0.11	
265	272	7		3005	3.4	48		"	"			0.13	0.11	
272	277	5		2948	5.0	100		"	"			0.09	0.08	*0.05
277	282	5		2722	5.0	100		"	"			0.09	0.08	
282	287	5		2241	4.4	88		"	"			0.12	0.10	*0.05
287	292	5		2608	5.2	100		"	"			0.16	0.16	
292	298	6		1955	5.2	86		"	"			0.13	0.11	
298	303	5		2041	4.3	86		"	"			0.22	0.17	
303	308	5		2211	3.0	60		"	"			0.13	0.10	
308	314	6		1842	3.1	51		"	"			0.15	0.11	
314	316	2		386	2.7	100		Fair	"			0.21	0.16	
316	322	6		930	5.2	77	23	"	Dike & Ls.			0.32	0.24	*0.05
316	320	4.0	962	.	3.1	77				0.28	Nil			
322	327	5		1293	5.1	58	35	Good	" "			0.22	0.16	
322	324	2	363		1.2	60				0.16	0.25			
327	333	6		794	5.0	83		"	Limestone			0.16	0.10	
333	339	6		1447	4.5	75		"	"			0.12	0.06	*0.05
339	344	5	794	499	4.9	100	16	Fair	Ls. & Dike	0.12	0.16	0.09	0.06	*0.05
342	345	3	794		3.0	100				0.12	0.16			
345	347	2	544		2.0	100				0.30	Nil			
344	350	6		576	4.6	87	12	Fair	Meta. Ls.			0.17	0.10	
350	355	5			4.1	82		"	Limestone			0.19	0.17	
355	360	5		426	4.4	88		"	"			0.17	0.19	
360	365	5		313	4.9	98		"	"			0.11	0.08	

* Less than

TABLE 17 - Diamond drill sampling data - Hole No. BM-23

Project: No. 607, Lost River Mine
Hole: No. 23
Elevation at collar: 220'
Dip: -35°
Date Begun: July 11, 1944

Location of hole: Lat. 5216; Dep. 4614
Depth: 567'
Bearing: N 83° 43' E
Core Size: BX 17'; AX 90'; EX 460'
Theoretical weight sludge per foot hole: 607
Date finished: July 29, 1944

Footage		Dis-	Weight, grams		Core	Recovery percentage			Formation	Analyses			
		tance			obtained:					Core		Sludge	
From	To:	drilled:	Core:	Sludge	feet	Core:	Sludge:	Water:		% Sn	% WO_3	% Sn	% WO_3
0	6	BX								0.05	Nil		
6	10									0.05	Nil		
0	13	13	3455		9.5	25		Good	Limestone				
13	17	4			2.5	62		"	"				
19.5	21		852			100				1.38	Nil		
17	21	AX 4		2660	4.2		72	"	"			0.43	*0.05
21	25	4	1370	3970	3.2	66	91	"	Meta. Ls.	0.05	0.01	0.42	*0.05
25	26	1	732	1479	1.5	100	161	"	" "	Nil	Nil	0.04	*0.05
26	31	5	2450	3991	4.8	95	84	"	" "	0.20	Nil	0.10	*0.05
31	36	5	2575	4578	5.2	99	99	"	" "	0.20	Nil	0.18	*0.05
36	39.5		1744			80				0.05	Nil		
36	41	5		3542	4.0		75	"	" "	0.05	Nil	0.14	*0.05
41	45	4		4001	0.7	18	99	"	" "			0.48	*0.05
45	46	1		5603	0.3	30	521	"	" "			0.52	*0.05
46	52	6		5381	0.8	13	91	"	" "			0.86	*0.05
52	55	3	500	2642	2.4	32	69	"	Dike	0.15	0.10	0.53	*0.05
55	61	6	2291	5793	5.2	74	91	"	Dike	Nil	(0.03) (Nil)	0.17	*0.05
61	66	5	2723	6188	5.2	100	134	"	Dike	1.90	0.02	0.83	*0.05
66	71	5	2683	4481	4.9	100	97	"	Dike & Contact	1.20	0.01	0.65	*0.05
71	76	5	2015	5161	4.0	78	100	"	" "	0.95	0.01	0.57	*0.05
76	81	5	1690	5011	4.0	65	91	"	" "	0.05	Nil	0.23	*0.05
81	86	5	2064	4090	4.5	80	80	"	Limestone	0.05	Nil	0.23	*0.05
86	92	6	1795	2617	4.3	58	38	"	Dike & Contact	0.25	Nil	0.27	*0.05
92	100	8	2123	7256	4.6	51	77	"	Ls. & Fl	0.30	0.06	0.55	*0.05

* Less than

Table 17 - Hole No. BM-23 (Cont.)

Footage From	Footage To	Dis-tance drilled	Weight, grams Core	Weight, grams Sludge	Core obtained feet	Recovery percentage Core	Recovery percentage Sludge	Recovery percentage Water	Formation	Analyses Core % Sn	Analyses Core % WO_3	Analyses Sludge % Sn	Analyses Sludge % WO_3
100	107 AX	7	2013	4191	4.2	56	52	Good	Ls. & Fl.	0.43	0.02	0.42	*0.05
107	112 EX	5	592	3400	2.1	38	85	"	Dike	0.10	Nil	0.35	*0.05
112	117	5	600	3145	3.7	38	79	"	"	Nil	0.01	0.20	*0.05
117	122	5	1240	3175	5.3	79	94	"	"	0.10	0.12	0.15	*0.05
122	127	5	677	4608	2.7	43	117	"	Ls. & Dike	0.10	Nil	0.04	*0.05
127	132	5	845	4181	2.9	54	111	"	" "	0.10	0.11	0.13	*0.05
132	138	6	1147	635	3.6	61	15	Fair	Ls. & Contact	0.10	Nil	0.06	*0.05
138	143	5			3.8	76		None	Limestone				
143	148	5			3.5	70		"	"				
148	153	5		559	4.8	96	18	Fair	"				
153	158	5	1377	1575	5.1	88	49	Good	Dike	0.15	Nil	*0.05	*0.05
158	160	2		1327	0	0	72	"				0.35	*0.05
160	162	2		802	0	0	44	Fair				0.13	*0.05
162	167	5	792	1464	2.9	51	38	Good	Dike			0.19	*0.05
167	172	5	339	1519	1.5	22	36	"	"	0.05	0.25	0.12	*0.05
172	178	6	629	772	2.8	33	16	Fair	Dike & Contact	Nil	0.43	0.21	*0.05
178	184	6	1312	2550	5.0	70	61	Good	Dike-Min.	Nil	0.05	0.06	*0.05
184	190	6	1482	2980	5.1	79	74	"	" "	Nil	0.06	0.11	*0.05
190	195	5	1082	2759	4.0	69	78	"	"	0.30	0.08	0.51	*0.05
195	201	6	525	1917	2.1	28	38	"	"	Nil	0.04	0.37	*0.05
201	207	6	1587	3961	5.4	84	101	"	"	Nil	0.03	0.15	*0.05
207	213	6	1542	4701	5.4	82	118	"	" & Fluor.	0.10	Nil	0.12	*0.05
213	219	6	1464	4061	5.7	78	100	"	Dike	0.10	Nil	0.13	*0.05
219	224	5	1392	4071	5.6	89	127	"	"	0.10	0.01	0.13	*0.05
224	230	6	1600	4550	5.1	85	116	"	Dike & Contact	0.05	0.02	0.13	*0.05
230	236	6	1382	4258	5.9	73	103	"	Ls. & Contact	0.10	Nil	0.06	*0.05
236	240		687						Dark Dike	0.10	Nil	*0.05	*0.05
240	242		607							Nil	0.05		
236	242	6		4481	5.3	69	106	Good	Dark Dike	Nil	Nil		
242	246.5		780									0.05	*0.05
246.5	248		540							0.10	Nil		
242	248	6		6631	6.2	70	158	Good	Dark Dike	0.25	Nil		
												0.18	*0.05

* Less than

Table 17 - Hole No. BM-23 (Cont.)

Footage From	Footage To	Distance drilled	Weight, grams Core	Weight, grams Sludge	Core obtained: feet	Recovery percentage Core	Recovery percentage Sludge	Recovery percentage Water	Formation	Analyses Core % Sn	Analyses Core % WO_3	Analyses Sludge % Sn	Analyses Sludge % WO_3
248	255 EX	7	1359	4711	6.1	62	93	Good	Dark Dike	0.05	Nil	0.16	*0.05
255	261	6	964	4895	4.5	51	107	"	Light Dike	0.10	Nil	0.14	*0.05
261	266	5	382	5041	1.5	24	119	"	Alt. Ls.	0.05	0.01	0.13	*0.05
266	272	6	554	6484	2.7	29	130	"	Dike	0.20	0.02	0.07	*0.05
272	277	5	1387	5993	4.5	89	186	"	Dike & Meta.Ls.	0.05	Nil	0.15	*0.05
277	282	5	1300	5481	4.5	83	166	"	" " "	0.15	0.02	0.17	*0.05
282	285	3	795	6243	3.4	85	317	"	" " "	0.05	Nil	0.07	*0.05
285	289	4	1192	4121	4.7	95	165	"	" " "	Nil	Nil	0.05	*0.05
289	295	6	1309	12201	5.5	70	289	"	Fluor.&Meta.Ls.	0.05	Nil	0.15	*0.05
295	302	7	1327	1844	5.2	61	36	"	Meta.Limestone	0.15	Nil	0.06	*0.05
302	308	6	519	7398	2.3	28	148	"	" "	Nil	Nil	0.13	*0.05
308	314	6	1589	8135	4.7	85	207	"	" "	0.05	0.10	0.07	*0.05
314	320	6	1305	4118	4.7	69	98	"	" "	0.20	0.07	0.20	*0.05
320	326	6	1399	4383	5.1	74	106	"	Breccia Ls.	0.10	Nil	0.20	*0.05
326	332	6	1125	3793	6.2	60	86	"	Ls. & Contact	0.25	0.13	0.22	*0.05
332	337	5	1602	4011	5.0	100	132	"	Contact Min.	0.50	0.10	0.36	*0.05
337	343	6	1565	3445	4.9	83	86	"	" "	0.25	0.11	0.09	*0.05
343	350	7	1600	6331	4.8	85	131	"	" "	0.30	0.10	0.11	*0.05
350	355	5	1535	5175	5.1	98	169	"	Cal.& Dk. Dike	Nil	0.02	0.15	*0.05
355	360	5	1605	4523	4.9	100	149	"	" " "	0.15	0.02	0.15	*0.05
360	365	5	1350	5343	5.4	86	164	"	Cont. & Dk.Dike	0.10	0.01	0.08	*0.05
365	370	5	1679	2642	5.4	100	87	"	" " "	0.05	Nil	0.20	*0.05
370	375	5	1505	3721	4.9	96	120	"	Contact Rock	0.10	Nil	0.07	*0.05
375	380	5	1352	4620	5.4	86	142	"	Fluorite Rock	Nil	0.01	0.17	*0.05
380	384	4	452	4991	2.0	36	154	"		0.15	0.01	0.19	*0.05
384	389	5	1239	4096	5.7	79	122	"	Basic Dike	Nil	0.01	0.07	*0.05
389	395	6	972	4081	5.3	52	90	"	" "	0.10	Nil	*0.05	*0.05
395	400	5	1569	3575	5.1	100	118	"	" "	0.25	0.02	0.33	*0.05
400	405	5	1330	3297	4.9	85	101	"	" "	0.10	Nil	0.10	*0.05
405	410	5	1169	4405	5.1	75	128	"	" "	Nil	0.03	0.14	*0.05
410	416	6	1282	4941	5.2	68	116	"	" "	Nil	Nil	0.13	*0.05

* Less than

Table 17 - Hole No. BM-23 (Cont.)

Footage From	Footage To	Distance drilled	Weight, grams Core	Weight, grams Sludge	Core obtained: feet	Recovery percentage Core	Recovery percentage Sludge	Recovery percentage Water	Formation	Core % Sn	Core % WO_3	Sludge % Sn	Sludge % WO_3
416	421 EX	5	1005	6795	3.2	64	189	Good	Basic Dike	0.05	0.05	*0.05	*0.05
421	425	4	1015	8081	3.9	81	303	"	" "	0.05	Nil	0.10	*0.05
425	430	5	1469	6943	5.4	94	221	"	" "	0.05	Nil	0.06	*0.05
430	436	6	1480	5318	5.6	79	131	"	Cont. & Ls.	0.85	0.42	0.28	*0.05
436	441	5	1459	5261	5.5	93	167	"	" "	0.30	0.01	0.14	*0.05
441	447	6	1154	6081	6.2	61	139	"	Acid Dike	Nil	0.02	0.06	*0.05
447	452	5	1285	5161	5.2	82	156	"	" "	Nil	Nil	*0.05	*0.05
452	457	5	1162	5531	5.0	74	161	"	Br. & Gr. Dike	0.05	Nil	0.06	*0.05
457	462	5	1462	4388	5.6	93	140	"	" " "	0.10	Nil	0.06	*0.05
462	467	5	1435	1677	4.7	92	53	"	Contact	0.35	Nil	0.06	*0.05
467	472	5	944	4413	4.0	60	121	"	Dike	0.10	0.19	0.06	*0.05
472	477	5	1100	2364	5.2	70	67	"	Cont. & Dike	Nil	0.04	0.07	*0.05
477	482	5	1022	7938	5.0	65	222	"	" "	Nil	Nil	0.07	*0.05
482	487	5	1212	7769	6.0	77	229	"	Acid Dike	Nil	Nil	0.07	*0.05
487	494	7	965	4756	5.5	44	87	"	" "	0.05	0.20	0.06	*0.05
494	499	5	645	7635	3.5	41	193	"	" "	Nil		0.07	*0.05
499	505	6	1500	9466	5.5	80	235	"	Alt. Granite	5.10	0.17	0.35	*0.05
505	510	5	1650	17620	5.0	105	580	"	" "	0.30	0.60	*0.05	*0.05
510	516	6	930	13308	2.8	49	290	"	" "	0.40	0.47	0.14	*0.05
516	522	6	315	7974	1.2	17	153	"	" "	0.50	0.06	*0.05	*0.05
522	527	5	-	18773	0	0	408	"	" "			0.26	*0.05
527	532	5	1007	3470	3.2	64	96	"	" "	0.90	0.33	0.23	*0.05
532	538	6	1012	11129	5.5	54	247	"	" "	2.15	0.24	0.26	*0.05
538	543	5	1540	11039	6.0	98	360	"	" "	0.65	0.28	0.31	*0.05
543	549	6	1102	14258	6.0	59	322	"	" "	Nil	Nil	0.39	*0.05
549	554	5	1152	9674	5.0	73	280	"	" "	Nil	Nil	0.11	*0.05
554	560	6	704	6628	3.2	37	137	"	" "	Nil	Nil	0.23	*0.05
560	567	7	482	16224	2.6	22	272	"	" "	Nil	Nil	0.07	*0.05

* Less than

TABLE 18 - Diamond drill sampling data - Hole No. BM-24

Project: No. 607, Lost River Mines
Hole: No. 24
Elevation at collar: 239'
Dip: -40°
Date Begun: July 30, 1944

Location of hole: Lat. 5529; Dep. 4614
Depth: 518'
Bearing: N 74° E
Core Size: BX 13'; AX 66'; EX 439'
Theoretical weight sludge per foot holes: 921 & 607
Date finished: August 7, 1944

Footage From	Footage To	Distance drilled		Weight, grams Core	Weight, grams Sludge	Core obtained: feet	Recovery percentage Core	Recovery percentage Sludge	Recovery percentage Water	Formation		Analyses Core % Sn	Analyses Core % WO_3	Analyses Sludge % Sn	Analyses Sludge % WO_3
0	3.5	BX 3.5				2.75	78			Good	Limestone				
3.5	9		5.5			4.1	74			"	"				
9	13		4			2.7	67			"	"				
13	17	AX	4		2700	2.7	67			"	"			0.11	*0.05
17	22		5		5132	5.0	100			"	"			0.06	*0.05
22	27		5		4995	2.5	50			"	"			0.08	*0.05
27	32		5		5415	3.3	66			"	"			0.06	*0.05
32	37		5		3960	3.3	66			"	"			0.18	*0.05
37	42		5		5170	5.1	100			"	Meta. Ls.			0.25	*0.05
42	47		5		5090	5.2	100			"	Limestone			0.14	*0.05
47	53		6		3320	4.7	78			"	"			0.08	*0.05
53	58		5		5690	5.0	100			"	"			*0.05	*0.05
58	63		5		5372	5.2	100			"	"			0.08	*0.05
63.2	64.2		1	460			83					0.10	2.10		
63	69		6		4585	5.0		91		"	"			0.22	*0.05
69	74		5		2310	5.0	100			"	"			0.12	*0.05
74	79		5		Lost	4.1	82			"	"				
79	85	EX	6		2937	4.7	94			"	"			0.16	*0.05
85	91		6		2530	4.0		59		"	Meta. Ls.	0.05	1.61		
85.1	87.5			465			66							0.28	*0.05
91	95			315			34					0.15	0.38		
91	96		5		2335	1.7		56	Good	Alt. Material				0.21	*0.05
96	101		5		717	5.0	100		Fair	Limestone				0.28	*0.05

* Less than

Table 18 - Hole No. BM-24 (Cont.)

Footage From	Footage To	Distance drilled	Weight, grams Core	Weight, grams Sludge	Core obtained: feet	Recovery percentage Core	Recovery percentage Sludge	Recovery percentage Water	Formation	Analyses Core % Sn	Analyses Core % WO_3	Analyses Sludge % Sn	Analyses Sludge % WO_3
101	107 EX	6		4700	4.3	71		Good	Limestone			0.16	*0.05
107	113	6		2662	4.9	81		"	"			0.08	*0.05
113	118	5		2240	5.0	100		"	"			*0.05	*0.05
117.5	120.5		535			40				0.10	0.30		
118	124	6		367	2.4		8	Fair	Alt. Dike			0.06	*0.05
124	130	6		3274	4.8	80		Good	Limestone			0.12	*0.05
131	141		829			80				Nil	0.09		
130	135	5		2170	4.0		65	Good	Alt. Dike			0.22	*0.05
135	142	7		155	1.6	23	3	Fair	" "			0.13	*0.05
142	148	6		4695	2.0	33		Good	Alt. Limestone			0.44	*0.05
148	157		960			60				0.05	0.86		
148	154	6		2782	3.6		63	Good	Alt. Dike			0.15	*0.05
154	160	6		3104	2.6	43	66	"	" "			0.11	*0.05
160	166	6		2914	5.0	83		"	Limestone			0.22	*0.05
166	172	6		2780	5.1	85		"	"			0.21	*0.05
172	178	6		2342	5.0	83		"	"			0.18	*0.05
178	184	6		1800	5.0	83		"	"			0.15	*0.05
184	190	6		1755	5.0	83		"	"			0.12	*0.05
190	196	6		1380	5.3	88		"	"			*0.05	*0.05
196	202	6		1089	5.1	85		"	"			0.06	*0.05
202	208	6		1107	5.1	85		"	"			*0.05	*0.05
208	213	5		1262	5.1	100		"	"			0.06	*0.05
213	219	6		1181	5.1	85		"	"			*0.05	*0.05
219	225	6		1707	5.2	86		"	"			0.11	*0.05
225	230	5		2057	4.8	96		"	"			0.07	*0.05
230	236	6		2190	4.8	80		"	"			0.10	*0.05
236	241	5		2155	4.7	94		"	"			0.17	*0.05
241	246	5		1519	1.2	24		"	Alt.Limestone			0.13	*0.05
246	251	5		1502	4.8	96		"	Meta. Ls.			0.13	*0.05

* Less than

Table 18 - Hole No. BM-24 (Cont.)

Footage From	Footage To	Distance drilled	Weight, grams Core	Weight, grams Sludge	Core obtained: feet	Recovery percentage Core	Recovery percentage Sludge	Recovery percentage Water	Formation			Analyses Core % Sn	Analyses Core % WO_3	Analyses Sludge % Sn	Analyses Sludge % WO_3
254	258.5	EX	1092			100						0.70	0.18		
251	256	5		2227	5.0				73	Good	Meta. Ls.			0.18	*0.05
256	261	5		2227	3.9	78				"	Limestone			0.17	*0.05
261	267	6		2447	5.0	83				"	"			0.09	*0.05
267	273	6		2469	5.1	85				"	"			0.14	*0.05
273	279	6		2557	4.9	81				"	"			0.11	*0.05
279	285	6		2282	4.9	81				"	"			0.06	*0.05
285	286.5	1.5		1431	0.6	40				"	"			0.07	*0.05
286.5	292	5.5		2639	4.3	78				"	"			0.15	*0.05
292	298	6		2669	4.3	71				"	"			0.19	*0.05
298	304	6		2474	2.6	43				"	"			0.20	*0.05
304	310	6		2067	5.1	85				"	Ls. & Dikelet			0.15	*0.05
310	315	5		2224	2.9	58				"	Alt. Limestone			0.13	*0.05
315	321	6		2337	4.9	81				"	" "			0.08	*0.05
325	329.5		1505			86						0.10	0.33		
321	327	6		1973	5.2				50	Good	Alt. Limestone			0.07	*0.05
327	333	6		2322	5.0	83				"	" "			0.10	*0.05
333	339	6		2029	5.1	85				"	" "			0.11	*0.05
339	345	6		2070	5.0	83				"	" "			0.07	*0.05
345	351	6		2192	4.9	81				"	" "			0.06	*0.05
351	357	6		1912	5.2	86				"	" "			0.07	*0.05
357	363	6		2215	5.0	83				"	" "			0.12	*0.05
363	368	5		1739	5.2	100				"	" "			0.06	*0.05
368	374	6		2687	5.0	83				"	" "			0.17	*0.05
374	380	6		2538	4.9	81				"	" "			0.06	*0.05
380	385	5		1505	5.0	100				"	" "			0.07	*0.05
385	391	6		1057	5.0	83				"	" "			0.07	*0.05
391	397	6		615	4.8	80				Fair	" "			0.10	*0.05
397	402	5		1265	4.9	98				Good	" "			0.09	*0.05

* Less than

Table 18 - Hole No. BM-24 (Cont.)

Footage From	Footage To	Distance drilled	Weight, grams Core	Weight, grams Sludge	Core obtained: feet	Recovery percentage Core	Recovery percentage Sludge	Recovery percentage Water	Formation	Analyses Core % Sn	Analyses Core % WO_3	Analyses Sludge % Sn	Analyses Sludge % WO_3
402	408	EX 6		2755	4.3	71			Good Alt. Limestone			0.23	*0.05
408	414	6		2367	5.0	83			" " "			0.16	*0.05
414	419	5		2053	2.1	42			" " "			0.06	*0.05
419	425	6		2427	4.7	78			" Limestone			0.10	*0.05
425	430	5		2995	3.0	60			" "			0.09	*0.05
430	436	6		1868	4.9	81			" "			0.08	*0.05
436	442	6		1980	4.9	81			" "			*0.05	*0.05
442	447	5		1450	5.0	100			" "			0.07	*0.05
447	453	6		2144	3.6	60			" Ls. & Dike			0.08	*0.05
453	458	5		245	5.0	100			Fair Meta. Limestone			0.13	*0.05
458	463	5		2347	3.7	74			Good Limestone			0.06	*0.05
463	468	5		2045	5.1	100			" "			0.07	*0.05
468	473	5		1340	5.1	100			" "			*0.05	*0.05
473	479	6		1660	5.1	85			" "			0.07	*0.05
479	485	6		3202	5.1	85			" "			0.20	*0.05
485	490	5		1500	4.9	98			" "			0.09	*0.05
490	495	5		287	4.0	80			Fair "			0.12	*0.05
495	500	5			4.9	98			None "				
500	503	3			2.2	73			Contact				
503	508	5			5.0	100			"				
508	513	5			2.3	46			Limestone				
513	518	5			1.3	26			"				

* Less than

TABLE 19 Diamond drill sampling data - Hole No. BM-25

Project: No. 607, Lost River Mine
Hole: No. 25
Elevation at collar: 241'
Dip: -40°
Date Begun: August 8, 1944

Location of hole: Lat. 5824; Dep. 4555
Depth: 401'
Bearing: N 74° E
Core Size: BX 16'; AX 206'; EX 179'
Theoretical weight sludge per foot hole: 921 & 607
Date finished: August 11, 1944

Footage From	Footage To	Dis-tance drilled		Weight, grams Core	Weight, grams Sludge	Core obtained: feet	Recovery percentage Core	Recovery percentage Sludge	Recovery percentage Water	Formation			Analyses Core % Sn	Analyses Core % WO_3	Analyses Sludge % Sn	Analyses Sludge % WO_3
21	25		AX	2503			100						0.26	*0.05		
21	26	5			3220	5.0				70	Good	Limestone				
66	71	5			4058	4.9	98				"	Meta. Limestone			0.10	*0.05
71	77	6			4006	4.1	68				"	Limestone			0.11	*0.05
92	97	5			3475	5.0	100				"	"			0.09	*0.05
97	102	5			3641	5.0	100				"	"			*0.05	*0.05
107	112	5			4111	5.0	100				"	"			0.09	*0.05
113	117			2198			100						0.11	*0.05		
112	117	5			3105	5.0				67	"	"			0.09	*0.05
117	122	5			3180	5.0	100				"	"			0.25	*0.05
122	127	5			4408	4.5	90				"	"			0.19	*0.05
127	132	5			2837	5.0	100				"	Meta. Limestone			0.39	*0.05
173.5	176			337			58						0.08	*0.05		
232	237	5	EX		2307	1.6	32				Good	Limestone			*0.05	*0.05
252	257	5			2657	4.4	88				"	"			0.06	2.00
268	273	5			2572	4.9	98				"	Meta. Limestone			0.09	*0.05
315	319	4			2172	2.1	52				"	Limestone			*0.05	*0.05
319	325	6			2274	5.0	83				"	Ls. & Dike			0.27	*0.05
345	350	5			1640	3.9	78				"	Limestone			*0.05	*0.05
350	355	5			1312	4.9	98				"	"			0.09	*0.05
360	365	5			1832	3.4	68				"	"			*0.05	*0.05

* Less than

TABLE 20 - Diamond drill sampling data - Hole No. BM-26

Project: No. 607, Lost River Mine
Hole: No. 26
Elevation at collar: 220.5'
Dip: -40°
Date Begun: August 21, 1944

Location of hole: Lat. 5135; Dep. 4622
Depth: 354'
Bearing: S 51° E
Core Size: BX 20'; AX 235'; EX 99'
Theoretical weight sludge per foot hole: 921 & 607
Date finished: September 1, 1944

Footage From	Footage To	Distance drilled		Weight, grams: Core	Weight, grams: Sludge	Core obtained: feet	Recovery percentage: Core	Recovery percentage: Sludge	Recovery percentage: Water	Formation			Analyses: Core: % Sn	Analyses: Core: % WO_3	Analyses: Sludge: % Sn	Analyses: Sludge: % WO_3
0	3	BX 3				1.6	53			Good	Meta.	Limestone				
3	5	2				1.9	95			"	"	"				
5	7	2				2.1	100			"	"	"				
7	10	3		927		1.6	29			"	"	"	0.80	Nil		
10	15	5				0.9	18			"	"	"				
15	20	5				1.8	36			"	"	"				
20	23	AX 3			2842	1.2	40			"	"	"			0.71	*0.05
23	27	4		655	2929	1.9	32	57		"	"	"	0.40	0.07	0.46	*0.05
27	31	4			2276	1.4	35			"	"	"			0.36	*0.05
31	33	2			1910	1.8	90			"	"	"			0.56	*0.05
33	35	2			2551	0.8	40			"	"	"			1.17	*0.05
35	37	2			1940	1.4	70			"	"	"			0.17	*0.05
37	39	2			2072	1.7	85			"	"	"			0.56	*0.05
39	43	4			3407	3.8	95			"	"	"			0.22	*0.05
43	47	4			5100	3.1	77			"	"	"			0.31	*0.05
47	52	5			4416	3.6	72			"	"	"			0.37	*0.05
52	53	1			2155	0.1	10			"	"	"			0.39	*0.05
53	58	5			2943	3.4	68			"	"	"			0.19	*0.05
58	63.5			2052			72						0.40	Nil		
58	64	6			4836	5.2		76		Good	Meta.	Limestone			0.47	*0.05
64	69	5			5625	4.9	98			"	"	"			0.34	*0.05

* Less than

ble 20 · Hole No. BM-26 (Cont.)

Footage From	To	Dis-tance drilled	Weight, grams Core	Sludge	Core obtained: feet	Recovery percentage Core	Sludge	Water	Formation			Analyses Core % Sn	Core % WO_3	Sludge % Sn	Sludge % WO_3
69	69.5	AX	225			85						0.85	0.09		
69	75	6		4708	5.1		79	Good	Meta. Limestone					0.45	*0.05
75	80	5		5598	4.4	88		"	"	"				0.12	*0.05
80	85	5		4290	4.8	96		"	"	"				0.64	*0.05
85	90	5		3721	3.7	74		"	"	"				0.38	*0.05
90	95	5		2412	1.9	38		"	"	"				0.18	*0.05
95	101	6		3801	5.1	85		"	"	"				0.16	*0.05
101	106	5		4701	5.1	100		"	Ls. & Meta. Ls.					1.36	*0.05
106	111	5		3231	5.1	100		"	"	"	"			0.15	*0.05
111	116	5		4564	4.8	96		"	"	"	"			0.19	*0.05
116	121	5		4631	4.7	94		"	"	"	"			0.14	*0.05
121	126	5		4553	5.1	100		"	"	"	"			0.21	*0.05
126	131	5		4613	5.1	100		"	Meta. Limestone					0.23	*0.05
131	136	5		3975	5.0	100		"	"	"				0.14	*0.05
136	141	5		4563	4.2	84		"	Limestone						
141	145	4		4206	3.7	92		"	"					*0.05	*0.05
145	150	5		4271	5.1	100		"	"					0.12	*0.05
150	155	5		4553	5.0	100		"	"					0.06	*0.05
155	160	5		3851	5.0	100		"	"					*0.05	*0.05
160	165	5		3615	3.3	66		"	"					*0.05	*0.05
165	170	5		3646	5.0	100		"	"					0.15	*0.05
170	175	5		4401	5.2	100		"	"					0.06	*0.05
175	180	5		4050	5.0	100		"	"					0.10	*0.05
180	185	5		3708	3.5	70		"	"					0.65	*0.05
185	190	5		2432	3.8	76		"	Frac.Meta.Ls.					0.39	*0.05
190	195	5		3885	5.2	100		"	Ls.Cal.& Dike					0.16	*0.05
195	200	5		3160	5.2		66	"	Alt.Limestone					0.24	*0.05

* Less than

Table 20 Hole No. BM-26 (Cont.)

Footage From	To	Dis-tance drilled	Weight, grams Core	Sludge	Core obtained: feet	Recovery percentage Core	Sludge	Water	Formation	Analyses Core % Sn	Core % WO_3	Sludge % Sn	Sludge % WO_3
197.7	200		1097			92				0.30	0.07		
200	206	AX 6	605	5166	1.8	30	64	Good	Ls. & Calcite	0.10	Nil	0.26	*0.05
[illegible]	211	5		4031	3.5	70		"	" "			1.05	*0.05
[illegible]	216	5		4206	5.2	100		"	Frac.Cal.& Dike			2.10	*0.05
[illegible]	220.7		1007			69				0.35	Nil		
216	221	5		4973	4.8		92	"	Frac. Ls. & Cal.			1.09	*0.05
222	224		725			70				0.45	0.85		
221	224	3		3427	2.6		106	"	Ls. & Kao.			2.28	*0.05
224	229	5		3085	2.7	54		"	Kao. Dike			1.78	*0.05
229	232		540			48				0.20	0.09		
229	234	5		4104	3.3		69	"	Soft Kao. Dike	0.40	0.04	1.32	*0.05
234	239	5	1372	3856	3.6	53	66	"	" " "	0.35	0.05	1.00	*0.05
239	244	5	937	6277	2.9	36	100	"	" " "	0.85	0.05	0.72	*0.05
244	250	6	1075	8241	3.0	35	109	"	" " "	0.80	0.05	0.66	*0.05
250	255	5	1010	13280	2.6	39	215	"	Hard Kao. Dike	0.25	0.04	0.54	*0.05
255	260	EX 5	865	3389	3.4	55	91	"	Kaolin	0.55	0.04	0.79	*0.05
260	265	5	870	4301	4.2	56	115	"	"	0.20	0.03	0.21	*0.05
265	270	5	773	5015	3.2	49	131	"	"	0.15	0.02	0.22	*0.05
270	275	5	533	5964	2.2	34	146	"	"	4.48	0.38	1.68	*0.05
275	280	5	1570	8306	5.1	100	273	"	Granite	1.15	0.22	0.93	*0.05
280	285	5	1280	6083	5.2	82	183	"	"	1.20	0.08	0.62	*0.05
285	290	5	493	5808	2.3	31	141	"	"	0.30	0.05	0.57	*0.05
290	295	5	528	46286	2.1	34	1135	"	Hard Granite	0.25	0.04	0.42	*0.05
295	300	5	830	3771	3.1	53	100	"	Granite	0.15	0.02	0.29	*0.05
300	306	6	1107	4021	3.6	59	91	"	"	0.05	Nil	0.36	*0.05
306	310	4	645	5426	2.4	51	179	"	"	Nil	Nil	0.27	*0.05
310	315	5	590	12786	2.7	38	318	"	"	0.85	Nil	0.53	*0.05
315	320	5	700	15205	3.6	35	389	"	"	0.10	Nil	0.34	*0.05

* Less than

Table 20 - Hole No. BM-26 (Con

Footage From	Footage To	Distance drilled	Weight, grams Core	Weight, grams Sludge	Core obtained feet	Recovery percentage Core	Recovery percentage Sludge	Recovery percentage Water	Formation	Analyses Core % Sn	Analyses Core % WO_3	Analyses Sludge % Sn	Analyses Sludge % WO_3
320	325	EX 5	760	17180	2.9	48	447	Good	Granite	0.15	Nil	0.21	*0.05
325	328	3	1285	8531	5.2	100	468	"	"	0.05	Nil	0.18	*0.05
328	333	5	1670	14269	5.1	100	470	"	"	0.05	Nil	0.51	*0.05
333	338	5	1420	12471	4.8	90	392	"	"	Nil	Nil	0.20	*0.05
338	344	6	230	10682	1.2	12	202	"	"	0.25	0.01	0.22	*0.05
344	349	5	1442	11246	5.0	92	356	"	"	Nil	Nil	0.13	*0.05
349	354	5	1513	3209	5.0	97	104	"	"	Nil	Nil	0.36	*0.05

* Less than

TABLE 21 - Diamond drill sampling data - Hole No. BM-27

Project: No. 607, Lost River Mine
Hole: No. 27
Elevation at collar: 215'
Dip: -45°
Date Begun: September 2, 1944

Location of hole: Lat. 4667; Dep. 4620
Depth: 375'
Bearing: N 40° E
Core Size: BX 13'; AX 183'; EX 179'
Theoretical weight sludge per foot hole: 921 & 607
Date finished: September 7, 1944

Footage From	Footage To		Distance drilled	Weight, grams Core	Weight, grams Sludge	Core obtained: feet	Recovery percentage Core	Recovery percentage Sludge	Recovery percentage Water	Formation	Analyses Core % Sn	Analyses Core % WO_3	Analyses Sludge % Sn	Analyses Sludge % WO_3
64	69	AX	5		2472	5.0	100			Good Ls. & Meta. Ls.			0.16	*0.05
94	99		5		1179	5.0	100			" Limestone			*0.05	*0.05
139	144		5		435	5.0	100			Fair "			*0.05	*0.05
180	183			1145							Nil			
180	185		5		182	4.2				Fair Limestone			0.12	*0.05
185	191		6		79	4.8	80			" "			0.09	*0.05
237	242	EX	5		2119	4.1	82			Good "			*0.05	*0.05
242	247		5		2112	4.9	98			" "			0.06	*0.05
247	252		5		1292	4.9	98			" Meta. Limestone			0.41	*0.05
252	257		5		2824	2.9	58			" " "			0.13	*0.05
257	262		5		1902	2.0	40			" " "			0.10	*0.05
262	267		5		1865	3.6	72			" Limestone			*0.05	*0.05
267	269			375			67				0.20	0.21		
267	272		5	630	1869	3.8		52		" Meta. Limestone	0.55	0.38	1.31	*0.05
272	274			632							0.35	0.20		
272	277		5	895	2414	5.2	98	79		Good Granite	0.05	0.32	0.32	*0.05
277	282		5	1233	2712	4.0	79	80		" "	0.25	0.29	0.22	*0.05
282	284		2	342	905	1.1	55	60		" "	0.15	0.22	0.38	*0.05
284	289		5	800	4246	2.4	51	112		" "	0.15	0.14	0.22	*0.05
289	295		6	704	2597	3.0	37	54		" Kao. Granite	0.10	0.12	0.19	*0.05
295	300		5	1126	2472	3.9	72	71		" " "	0.15	0.21	0.16	*0.05

* Less than

Table 21 - Hole No. BM-27 (Cont.)

Footage From	Footage To	Distance drilled	Weight, grams Core	Weight, grams Sludge	Core obtained: feet	Recovery percentage Core	Recovery percentage Sludge	Recovery percentage Water	Formation	Analyses Core % Sn	Analyses Core % WO_3	Analyses Sludge % Sn	Analyses Sludge % WO_3
300	305	5	1472	2832	5.0	94	90	Good	Granite	Nil		0.15	*0.05
305	310	5	1544	2203	5.0	98	72	"	"	Nil		0.17	*0.05
310	316	6	1507	2099	5.2	80	52	"	"	0.05		0.14	*0.05
316	321	5		2323	0.0	00	50	"	"			0.16	*0.05
321	326	5	1500	2292	4.9	96	74	"	"	Nil		0.08	*0.05
326	332	6	982	2674	3.5	52	59	"	"	Nil		0.06	*0.05
332	337	5	221	3465	0.9	14	79	"	"	Nil		0.06	*0.05
337	342	5	698	2377	2.9	45	61	"	"	0.15		0.12	*0.05
342	348	6	1458	2175	5.0	78	53	"	"	0.05		0.12	*0.05
348	353	5	1496	1895	5.0	95	61	"	"	0.10		0.12	*0.05
353	359	6	1534	1430	5.2	82	36	"	"	Nil		0.05	*0.05
359	364	5	1425	1555	5.0	91	49	"	"	Nil		0.12	*0.05
364	370	6	1478	1680	5.1	79	42	"	"	Nil		0.11	*0.05
370	375	5	1512	1760	5.0	96	57	"	"	Nil		0.06	*0.05

* Less than

TABLE 22 Diamond drill sampling data - Hole No. BM-28

Project: No. 607, Lost River Mine
Hole: No. 28
Elevation at collar: 337.5
Dip: -70°
Date Begun: September 8, 1944

Location of hole: Lat. 4908; Dep. 5004
Depth: 453'
Bearing: N 30° E
Core size: BX 16'; AX 164'; EX 273'
Theoretical weight sludge per foot hole:
Date finished: September 22, 1944

Footage From	Footage To	Distance drilled		Weight, grams Core	Weight, grams Sludge	Core obtained: feet	Recovery percentage Core	Recovery percentage Sludge	Recovery percentage Water	Formation	Analyses Core % Sn	Analyses Core % WO_3	Analyses Sludge % Sn	Analyses Sludge % WO_3
0	1	BX 1				0.9	90			Limestone				
1	2	1				0.8	80			"				
2	4	2				1.7	85			"				
4	7	3				1.8	60			"				
7	12	5				5.1	100			"				
12	16	4				2.6	65			"				
16	21	AX 5		100"	3726	2.3	46	62	Good	"				
21	26	5			2625	3.8	76	50	"	Breccia			0.24	*0.05
26	31	5			2190	4.0	80	43	"	"			0.38	*0.05
21	31	10.0				7.8	78			"			0.32	*0.05
31	36	5		14"	3592	1.3	26	55	"	Breccia & Ls.	0.25			
36	41	5		44"	1892	3.8	76	35	"	"	0.15		0.23	*0.05
41	46	5			2610	3.9	78	50	"	" & Ls.	0.20		0.40	*0.05
46	51	5		63"	2100	4.1	82	37	"	"			0.20	*0.05
44.5	51	6.5					82			"			0.35	*0.05
51	56	5		46"	2580	.8	76	47	"	Fluor.& Aseno.	0.20			
56	61	5		43"	3829	3.7	74	72	"	" "	0.30		0.28	*0.05
61	66	5		45"	3785	3.6	72	71	"	" "	0.20		0.21	*0.05
66	71	5		56"	4305	5.0	100	94	"	" "	0.10		0.16	*0.05
71	76	5		41"	3442	3.5	70	64	"	" "	Nil		0.18	*0.05
76	82	6		54"	5921	4.6	76	94	"	" "	Nil		0.19	*0.05
82	87	5		43"	2436	3.7	74	46	"	" "	0.10		0.08	*0.05
87	93	6		64"	2340	5.0	83	39	"	" "	0.20		0.15	*0.05
93	98	5		62"	2135	5.1	100	46	"	Breccia	0.25		0.25	*0.05
											0.35		0.51	*0.05

* Less than

Table 22 - Hole No. BM-28 (Cont

Footage From	Footage To		Distance drilled	Weight, grams Core	Weight, grams Sludge	Core obtained: feet	Recovery percentage Core	Recovery percentage Sludge	Recovery percentage Water	Formation	Analyses Core % Sn	Analyses Core % WO_3	Analyses Sludge % Sn	Analyses Sludge % WO_3
98	100	AX	2		505	0.0	00	57	Good	Breccia			0.92	*0.05
100	101		1		575	0.7	70	103	"	"	0.20		0.82	*0.05
101	104		3	43"	1305	2.9	96	46	"	Cal. & Breccia			0.30	*0.05
100	104		3.0			2.9	96			" "				
104	109		5		5548	2.2	44	92	"	" "			0.07	*0.05
109	114		5	33"	3690	2.8	56	64	"	" "	0.05		0.14	*0.05
114	119		5	22"	4551	2.0	40	74	"	Cal.& Sulphides	0.05		0.06	*0.05
119	124		5		5163	1.5	30	80	"	Cal.& Limestone			0.11	*0.05
124	129		5		5143	1.0	20	77	"	" "			0.07	*0.05
129	134		5		4813	1.4	28	74	"	Calcite			*0.05	*0.05
134	139		5		4602	2.0	40	74	"	Cal. & Breccia			0.06	*0.05
139	144		5	59"	2529	4.9	98	54	"	" "	0.10		0.21	*0.05
144	149		5	61"	2150	5.2	100	47	"	Breccia	0.10		0.20	*0.05
149	154		5	27"	4546	2.2	44	75	"	Cal. & Pyrite	Nil		0.16	*0.05
154	159		5		3285	3.9	78	63	"	Cal. & Breccia			0.12	*0.05
159	164		5	63"	2085	5.2	100	45	"	Ls. & Breccia	0.20		0.26	*0.05
164	170		6	61"	2730	5.0	83	45	"	" "	0.05		0.22	*0.05
170	175		5	58"	2440	4.8	96	52	"	Breccia	0.10		0.25	*0.05
175	180		5	60"	5433	5.1	100	118	"	"	0.05		0.21	*0.05
180	185	EX	5	50"	2180	4.1	82	66	"	Fluor. Rock	0.15		0.26	*0.05
185	190		5	34"	1230	3.0	60	34	"	Breccia	Nil		0.17	*0.05
190	194		4		2740	2.8	70	98	"	Limestone			0.21	*0.05
194	199		5		2670	2.9	58	72	"	"			0.09	*0.05
199	204		5		125	4.2	84	4	Poor	Ls. & Breccia				
204	209		5		1370	5.0	100	45	Fair	Limestone			0.12	*0.05
209	214		5		1820	4.6	92	58	"	"			0.09	*0.05
214	219		5		1385	4.8	96	45	"	"			0.06	*0.05
219	225		6		1570	3.5	58	35	"	"			0.07	*0.05
225	230		5		1405	2.4	48	36	"	"			0.07	*0.05

* Less than

Table 22 · Hole No. BM-28 (Cont.)

Footage From	Footage To	Distance drilled	Weight, grams Core	Weight, grams Sludge	Core obtained: feet	Recovery percentage Core	Recovery percentage Sludge	Recovery percentage Water	Formation	Analyses Core % Sn	Analyses Core % WO_3	Analyses Sludge % Sn	Analyses Sludge % WO_3
230	235 EX	5		945	2.5	50	25	Fair	Limestone			*0.05	*0.05
235	240	5		1155	3.6	72	33	"	"			0.10	*0.05
240	245	5		927	4.5	90	29	"	"			0.10	*0.05
245	250	5		1040	4.6	92	33	"	"			0.06	*0.05
250	255	5		669	4.5	90	21	Poor	"			0.08	*0.05
255	258	3		295	3.6	100	16	"	"				
258	263	5		1622	3.1	62	45	Good	"			0.13	*0.05
263	269	6		1400	2.4	60	32	Fair	Ls. & Breccia			0.14	*0.05
269	274	5	48"	757	4.0	80	23	"	Breccia & Kao.			0.25	*0.05
266	274	8.0			6.4	80			" "	0.05			
274	279	5	2"	1400	0.2	4	31	"	Kaolin			0.19	*0.05
279	285	6	16"	1330	1.3	21	26	"	"			0.15	*0.05
279	285.5	6.5			5.2	80			"	0.15			
285	290	5		2230	2.7	54	59	Good	Brec. Cal. & Ls.			0.29	*0.05
290	295	5		1414	3.2	64	39	"	Frac. Ls. & Kao.			0.08	*0.05
295	300	5		2812	1.7	34	69	"	" " "			0.18	*0.05
300	305	5		1712	1.1	22	40	"	" " "			0.14	*0.05
305	310	5		2245	3.2	64	62	"	" " "			0.17	*0.05
310	315	5		2030	3.1	62	54	"	" " "			0.15	*0.05
316	319	3			1.8	58			Frac. Ls. & Kao.	Nil			
315	320	5	21"	1739	2.9	58	47	Good	Frac. Ls. & Kao.			0.20	*0.05
320	325	5		1800	3.0	60	49	"	" " "			0.15	*0.05
325	330	5		1760	1.7	34	43	"	" " "			0.11	*0.05
330	336	6		1382	4.4	73	33	"	Frac. Ls. & Cal.			0.15	*0.05
336	341	5		1715	2.0	40	43	"	" " "			0.15	*0.05
341	346	5		1345	3.2	64	37	"	Frac. Ls. & Kao.			0.11	*0.05
346	351	5		1930	4.5	90	60	"	" " "			0.11	*0.05
351	356	5		887	4.0	80	26	Fair	Contact	0.25	0.04	0.11	*0.05
356	357	1	12"	295	1.0	100	49	"	Kaolin & Pyrite	0.25	0.04	0.08	*0.05

* Less than

Table 22 - Hole No. BM-28 (Cont.)

Footage From	Footage To	Distance drilled	Weight, grams Core	Weight, grams Sludge	Core obtained: feet	Recovery percentage Core	Recovery percentage Sludge	Recovery percentage Water	Formation	Analyses Core % Sn	Analyses Core % WO_3	Analyses Sludge % Sn	Analyses Sludge % WO_3
357	362 EX	5		1453	0.0	00	32	Good				0.10	*0.05
362	363	1		1380	0.0	00	150	"				0.18	*0.05
363	368	5	12"	4756	1.2	24	112	"	Granite, Alt.	0.10	0.03	0.18	*0.05
368	373	5		3115	0.0	00	68	"				0.26	*0.05
373	378	5	12"	2827	1.7	34	69	"	Kaolin	0.35	0.07	0.34	*0.05
378	383	5	30"	5459	2.9	58	148	"	"	0.15	0.04	0.12	*0.05
383	389	6	30"	6123	3.3	55	136	"	"	0.10	0.06	*0.05	*0.05
389	395	6	22"	9175	1.6	26	182	"	"	0.80	0.24	0.32	*0.05
395	400	5		7493	0.0	00	163	"				0.24	*0.05
400	405	5	9"	12359	1.3	26	294	"	Kaolin	1.10	0.37	0.19	*0.05
405	411	6		14885	0.0	00	270	"				0.17	*0.05
411	417	6	52"	12197	4.2	70	290	"	Hard Granite	0.45	0.25	0.18	*0.05
417	422	5	26"	9419	2.1	42	239	"	" "	0.85	0.71	0.18	*0.05
422	427	5		11369	0.0	00	247	"				0.39	*0.05
427	432	5		21340	0.0	00	464	"				0.38	*0.05
432	437	5	4"	17972	0.4	8	402	"	Kao. & Granite	0.25	0.34	0.26	*0.05
437	442	5	38"	9327	3.0	60	254	"	Hard Granite	0.15	0.17	0.33	*0.05
442	447	5	18"	16599	1.8	36	411	"	Soft Granite	0.20	0.12	0.27	*0.05
447	453	6	20"	22086	1.6	26	438	"	Hard Granite	0.15	0.35	0.18	*0.05

* Less than

TABLE 23 - Diamond drill hole log - Hole No. BM-1

Bearing: N. 21 ° E.
Elevation: 236 - Collar
Latitude: 5523 N.

Inclination: -45°
Depth: 4452 E.

Feet From	Feet To	Description
0	51	Fine grained fresh Ls. with small random green silicate stringers, occasional narrow str. mica.
51	53	Narrow str. mica and fluorite in Ls. nearly parallel to hole.
53	94.5	Light grey fine grained Ls. with green silicates stringers up to 3" wide. The stronger fractures are at ± 45° to axis.
94.5	98	Core recovery only 10 inches; large calcite crysts.
98	100	Cryst Ls. with some coarse calcite.
100	102	Fluoritized Ls. and green strs; slightly oxidized.
102	104	Brown to yellow ox. stn. meta. Ls. with crystals of meta. silicates fluoritic.
104	111	Meta. Ls. with few mineralized seams, fluoritic.
111	122.5	Light brown to yellow ox. stn. meta. Ls. with calcite strs. and mica.
122.5	123.5	Meta. Ls. with malchite stn. micaized.
123.5	128	Light brown to yellow oxidized meta. limestone.
128	131	Light grey, fluoritized Ls. with 2 inch brown ox. str.
131	139	Dark chocolate colored, oxidized Ls. with white calcite strs. mottled due to breccia fragments.
139	143	Grey marmorized limestone.
143	145.5	Chocolate brown Ls. with white calcite strs. has brecciated appearance.
145.5	147	Yellow-brown meta. Ls. or fluor.dike with cu. wolf.
147	153.3	Yellow to grey, soft alt. dike or fluor. Ls. breccia, with seams and included fragments.
153.5	154	Same but with white fluoritized fragments.
154	156.5	Brown ox. stn. porous Ls. with mineralized seams.
156.5	159	Grey limestone.
159	160	Alt. porous clayey soft dike or meta. silicate str.
160	161	Limestone with thin seams meta. minerals.
161	161.5	6" Min. fluoritized, micaized str.
161.5	162	6" Meta. Ls. ? fluoritic.
162	165	Alt. meta. Ls. with brown stn. ox. casts, clayey, min. seams.
165	220	Ls. with thin strs. silicates, min. strs. at 195-200 and 208.
220	229	White, cryst. marble with thin min. seams, wolframite.
229	231.5	Alt. green meta. silicates with fine diss. sulfides.
231.5	236	Grey cryst. ls. with FeOx stn. seams and calcite.
236	237.5	Alt. grey felsporphyry with wolf. and molybdenite.
237.5	240.5	Alt. tan aphanitic rhyolite with wolf. moly. and calcite strs.
240.5	245	Cryst. meta. Ls. min. FeOx. stn. casts.
245	258.5	Cryst. Ls. with thin seams meta. minerals, Ox. stn.
258.5	268.5	Marmorized Ls. yellow Ox. stn.
268.5	269	6" Yellow Ox. stn. str. with wolf. and molyb.
269	278	Alt. Ls. Breccia as if shattered and recemented with calcite; some min. pyr. strs.
278	309	Fine grained Ls. with oxidized strs. at 292 and 298.

TABLE 24 - Diamond drill hole log - Hole No. BM-2

Bearing: N 22° W
Elevation: 239 - Collar
Latitude: 5458 N.

Inclination: -45°
Depth: 4682 E.

Feet From	Feet To	Description
0	11	About 5 ft. broken core - Lt. grey Ls. with minor green silicate stringers. Traces of scheelite and wolf. from 9 - 66 feet.
11	124	Light grey Ls. with green silicate strs. as follows: 12" at 13 ft. nearly parallel str. at 14-17 ft., 12" at 22 ft., 12"at 24 ft. nearly parallel at 36 ft., 8" at 39 ft., 3" at 43 ft. at 20°; 3" at 54 ft. at 70°; 12" at 56 ft. at 30° with four topaz etc., 18" at 66 ft., 8" Tan. Ox. silicate str. at 73 ft., 12" at 74 ft. many thin seams to 110 ft., 8" at 114 ft., 12" at 118.5 at 45°, 4" at 123.5; strs. are brown Ox. stn. from 113-124 Sulfides at 73-78 ft. possibly molyb. at 74-82.
124	125	Brown stained fluorite str. and coarse white calcite.
125	127	Light grey limestone breccia.
127	128	Light grey limestone.
128	129	Green silicate strs. with fluorite and meta. Min. cryst.
129	143	Light grey Ls. with thin green silicate stringers.
143	144	Brown Ox. stn. fluoritized stringer.
[illegible]	146.5	Light grey Ls. with 1" to 3" green silicate stringers.
146.5	148.5	Green silicate str. with fluor. and tour. at below 45°
148.5	150	Light grey limestone.
150	151	Light grey banded fluorite stringer at 45°
151	152	Light grey Ls. 3" banded fluor. stringer at 152 feet.
152	160.5	Light grey Ls. with thin green silicate stringers.
160.5	162	Soft, alt. brown Ox. stn. fluoritic, serecitic, silicate str. or Kide, possibly wolframite.
162	162.5	Slightly oxidized, fluoritic silicate str. with fluorite banding at 162.5 feet.
162.5	171	Light grey Ls. with 1/2" to 2" green silicate stringers.
171	172	Green silicate str. at flat angle to hole.
172	178	Green silicate, fluor, tour, topaz, brown Ox. stn. and crumbly at 117 feet, occurring as network of stringers at 20° - 45° in limestone.
178	183	Yellow oxide stn. cryst. Ls. with irregular stringers of green silicates, fluor, tour, and diss. tour.
183	184	Green silicates, fluor. and tour. banding at below 45°
184	190	Lt. grey cryst. Ls. and green silicates, fluor, and tour. at 45° to random.
190	191.5	Brown or stnd., fluoritized green silicates and fluor. stringer at 191.5
191.5	194	Soft grey kaolinized, metafels porph. with fluor. str. at 194, wolf. at 193.

Table 24 - Log of diamond drill hole No. BM-2 (Cont.)

Feet From	To	Description
194	196	Green to brown meta. dike or green silicates, fluoritized, micaized and fluor. and mica seams, with possibly wolf.
196	198	Brown ox. stn. limestone with green silicates.
198	199	Soft greenish grey, alt. breccia (white fragments) Pyr. kaolin, fluorite phenocrysts, calcite seams.
199	202	Brown stn. soft, grey to green, clayey, fluoritic, alt. dike or silicates with Pyr. and possibly Cass.
202	205	Yellow-brown meta. limestone slightly brecciated.
205	211	Light grey Ls. with small green silicate stringers.
211	212	Green silicates.
212	213.5	Light grey limestone.
213.5	221	Meta. Ls. and green silicates, irregular fractures. Malachite stnd pyritic stringer at 218.
221	226.5	Green silicates with inclusions Ls. brown ox. stnd. and pyritic fluor. stringers Miarolitic.
226.5	234	Only 15" of core - soft, reddish-white meta. fels. porph. kaolinized, black Mn coatings, fluor. mica, wolframite.
234	239	Brown ox. stnd, grey meta. fels. porph. Greisen molyb. Pur. wolf. kaolinized, crumbly.
239	239.5	Green silicates.
239.5	259	Light grey Ls. with green silicate strs. as follows: 2" at 240 ft., 10" at 246 ft., 12" at 248 ft., Fluorite banding; 4" at 250 ft., 253, 6" at 256 ft.

TABLE 25 - Diamond drill hole log - Hole No. BM-3

Bearing: N 9° E. Inclination: -39°
Elevation: 277 - Collar Depth: 4853
Latitude: 5369 N.

Feet From	Feet To	Description
0	30	No core or sludge.
30	31.5	Brown ox. stn. green silicates.
31.5	41	Slightly yellow ox. stn. Ls. with calc. strs.; slight fragmental appearance.
41	50	Yellow to brown, kaolinized meta. dike or fluoritized Ls. breccia with white calcite strs. and fragments, also Ls. sect.
50	62	Brown to chocolate brown Ls. with white calcite 6" good scheelite at 51 ft. dike or fluorite stringers.
?	67	Brown kaolinized dike or alt. fluoritic Ls. with calcite strs. and Cu.Ox. stn. porph. str. at 65 feet.
67	67.5	Chocolate brown, Fe.Ox. stn. limestone.
67.5	70	Oxidized silicate stringers.
70	82	Light grey Ls.with Fe.Ox. stn. strs; kaolin at 74-76.
82	89	White fine grained Ls. with minor green silicate stringers.
89	91	Green silicates.
91	100	White fine grained Ls. with few Fe.Ox. stn. seams.
100	101	Marmorized limestone.
	105	Possibly alt. dike breccia.
105	106	Green to tan limestone and calcite.
106	109	Yellow to brown Ox. stnd. kaolinized dike or silicates with calcite strs; chocolate brown for 6" at 108.5 feet.
109	115	Light grey Ls. with few small green silicate stringers.
115	119	Fluoritized limestone and green silicates.
119	150	Fluoritized limestone with green silicates as follows: 6" at 121 ft., 6" at 123 ft., 1" at 126 ft., 6" at 130 ft., 8" at 133 ft., 12" at 136 ft., 3" at 138.5 ft.
150	152	Bleached tan and white breccia, mineralized.
152	154	Dark grey to brown, porphoritic texture brecciated, coarsely cryst. fluoritized, micaized, min., Ls. with FeOx stn. casts.
154	159	Light grey fine grained Ls., 6" porous ox. stn. green silicate stringer at 154 feet.
159	165	Kaolinized fels. dike, slight mineralization.
165	169	Harder, micaized meta. dike, grey mineralized.
169	170	Mineralized, green silicates.
170	175	Light grey limestone with silicate seams.
175	238	Light grey limestone with small silicate seams.
238	248	Same, with more green silicates and trace of molybdenite.

TABLE 26 - Diamond drill hole log - Hole No. BM-4

Bearing: N 24° E. Inclination: -45°
Elevation: 318 - Collar Depth: 4970 E.
Latitude: 5366 N.

Feet From	Feet To	Description
0	5	Overburden.
5	14	Fine grained, white Ls. with green and grey sil. seams.
14	23	Tan Ls. breccia with FeOx. stn. pyr. fluoritized, min.
23	28	Bleached, tan to white, fluoritized, min. breccia.
28	33	Bleached, white, blayey breccia, fluor. min. soft.
33	39	FeOx. stn. soft, tan clayey, min. fluor. dike or fluor limestone.
39	40	White marble.
40	46	FeOx. stn. grey, soft, alt. dike, fluoritized, pyr. min.
46	53	FeOx. stn. bleached, tan, alt. fluoritized breccia.
53	57	Grey, clayey, fluor. breccia, with white fluor. seams.
57	74	Bleached, tan to white, soft, clayey, fluoritized kaolinized breccia dike, mineralized.
74	77	Grey, alt. fluor. clayey breccia, mineralized.
77	80	Soft, bleached, tan, porous, clayey, fluoritized, alt. dike. From 14-80 indicates fault along zone occupied by dike with post fault fluoritization.
80	128	Fine grained Ls. with green silicate strs. as follows: 6" at 84; 10" at 87; 10" at 89; 2" at 94; 2" at 96; 36" at 98; 18" at 103; 12" at 109; 3" at 110.5; 5" at 111; 6" at 112; 3" at 113; banded fluorite at 122-124.
128	130	Green silicates, min. possibly basic meta. dike.
130	131	Slightly alt. hard brownish grey, fluoritized, micaized aphanitic dike.
131	133	Dark greenish grey, more alt. fine grained dike with accessory biotite.
133	138	Light grey, fluoritized, micaized, granitic dike with wolframite, fresh appearance.
138	139	Dark grey porphyry, fluoritized micaized, pyritic, abundant biotite, fluorite stringers, and phenocrysts.
148	149	Green silicates, biotite, fluorite, actinolite or tourmaline, pyritic, contact with dike ± 45° to axis of hole.
149	154	Light grey limestone with minor silicate seams.
154	160	Meta. limestone and green silicates.
160	284	Limestone and green silicates. Limestone with green silicates as follows: 6" at 182 ft., pyr. 12" at 192; 12" at 243; 3" at 247; 4" at 248; 3" at 252.5; 3" at 254; 3" at 262; 3" at 268 ft. 0.3 feet stringer with wolframite at 234 feet.

TABLE 27 - Diamond drill hole log - Hole No. BM-5

Bearing: S 42° W
Elevation: 242.5 - Collar
Latitude: 5924 N.

Inclination: -45°
Depth: 4454 E.

Feet From	Feet To	Description
0	10	About 4 feet of core, light gray Ls. Few sil. strs.
10	28	Light grey limestone, narrow brown ox. stn. seams.
28	29.5	Light grey limestone, breccia, marmorized.
29.5	87	Light gray limestone.
87	88	Limestone breccia.
88	97.5	Light grey limestone.
97.5	100	Brown ox. stn. Ls. slightly brecciated and marmorized.
100	135	Light grey Ls. with occasional thin breccia.
[illegible]5	141	Light grey Ls. slight indication brecciation.
[illegible]1	148	Only 1 ft. of core, light grey limestone.
148	153	Only 2 feet of core, light grey limestone.
153	154	Fluoritized limestone breccia, light brown ox. stain.
154	158	Chocolate to light brown fluoritized limestone breccia.
158	168	Light grey meta. Ls. with many fluorite strs., forming network.
168	170.5	Chocolate to light brown Ls. breccia with calcite strs.
170.5	173	Light grey limestone with fluorite stringer.
[illegible]	178.5	Light grey, brown ox. stns. Ls.breccia, highly fluoritic.
[illegible].5	180	Coarse calcite cryst. and fluor. stringers.
180	181.5	Light grey marm. limestone with fluor. stringers.
181.5	207	Light grey marm. limestone with fluor. stringers.
207	217	Reddish stn. light grey Ls. with fluor. strs. thin seam of wolf. at 217.
217	239	Reddish ox. stn. grey limestone.
239	241.5	Spotted grey Ls. cryst. and with disseminated tour.
1.5	246	Grey-tan calcite-dike breccia, kao fels. Qtz. grains in fragments, large and small dis., wolf. and cass., pyr., molyb.
246	259	Marmorized limestone breccia with some included kaolinized fragments, pyritic, mineralized.
259	261	Light grey limestone with fluorite stringers.
261	270	Light grey limestone to white marmorized limestone.
270	289	Light grey to reddish stn. Ls. with calcite and fluor strs.
289	295	Marmorized limestone; coarse white calcite crystals.

TABLE 28 - Diamond drill hole log - Hole No. BM-6

Bearing: S 25° W
Elevation: 318.5 - Collar
Latitude: 6013 N.

Inclination: -45°
Depth: 4286 E.

Feet From	Feet To	Description
0	58	Light grey limestone with minor fluor. seams.
58	59	White banded fluorite.
59	60	Light grey limestone with fluorite banding.
60	61	Hard, grey fluor. Ls. with grey strs. carrying pyr.molyb.
61	63	Light grey meta. limestone.
63	65	White to dark grey, cryst. fluoritized Ls. with slight Cu.Ox. stn. fluorite banding.
65	66	Light grey fine grained limestone.
66	67.5	Light grey meta.Ls. with dark grey min. strs. and light grey banded fluor. strs; pyr. and chalcopyrite.
67.5	90	Light grey limestone.
90	91	Grey meta. Ls. with Cu.Ox. stn. White fluor. strs. at below 35°
91	108	Light grey limestone.
108	109	Brecciated grey Ls. (Cass. by Killen at 109).
109	213	Light grey limestone 3" fluorite stringer at 179.5
213	217	Light grey, fluoritized limestone barren.
217	218	Light grey limestone.
218	220	Fluoritized limestone pyritic, 6" Effer. Ls. at 219
220	225	Light grey, fluoritized, micaized, slightly kaolinized, fels. porph, with conspicuous wolf. pyr. molyb. and fluor. and calcite strs. at below 35°
225	226	Grey fels. porph. pyritic, fluor, kaolinized fels. pheno. shiny brown fine Diss. min. Possibly cassiterite.
226	231	Hard, light grey, yellow ox. stn. slightly kaolinized. quartz porph. dike, fluor, sparse pyr. and sulfide.
231	236	Light grey, yellow stn. fluoritized, fels. porph, pyritic, slightly alt. and kaolinized.
236	245	Light grey limestone with network thin green silicate and fluorite stringers.
245	246	Green silicate stringer pyritic.
246	267	Light grey meta. Ls. with green silicate and fluor strs.
267	268	Banded fluorite stringers.
268	285	Same as 245.5 to 267
285	287	Bluish grey limestone with white fluor. stringers.
287	287.5	Banded fluorite stringer.
287.5	288	Green silicate stringer at below 35°
288	288.5	Calcite stringer.
288.5	298	Light grey limestone with fluorite stringers.

TABLE 29 - Diamond drill hole log - Hole No. BM-7

Bearing: N 35° W
Elevation: 318.5 - Collar
Latitude: 6020 N.

Inclination: -45°
Depth: 4293 E.

Feet From	Feet To	Description
0	14	Light grey Ls. with slight yellow ox. stn. in joint and fracture planes.
14	27	Fine grained, light grey limestone with occasional thin, white and green silicate stringers, fluoritized.
27	31	Dark grey, fine grained, fluoritized limestone with grey banded fluorite stringers.
31	108	Light grey fine grained limestone with minor white, grey and green seams.
108	108.5	Green silicates with pyr.
108.5	109.5	Light grey limestone.
109.5	111	Green silicates with sparse pyr. light grey Ls. with thin seam of wolf. at 111.
111	129.5	Light grey limestone.
129.5	130	Green silicates, slightly pyritic, white and grey fluor. seams.
130	290	Grey limestone with minor, grey-white seams.
290	294	Meta. limestone with some silicate stringers.
294	313.5	Brown ox. stn. dike.
313.5	320	Red ox. stain dike.
320	329	Light grey limestone with slight red oxide stain.

TABLE 30 - Diamond drill hole log - Hole No. BM-8

Bearing: N 22° W
Elevation: 267 - Collar
Latitude: 6093 N.

Inclination: -45°
Depth: 4445 E.

Feet From	Feet To	Description
0	33	Light grey Ls. with minor green silicate and fluor. strs.
33	34	Green silicate str. pyr. and dark sulfide.
34	75.5	Light grey limestone, same as preceding.
75.5	76	Green silicate stringer.
76	120	Light grey limestone, pyritic seam at 118.
120	175	Light grey Ls. with banded fluorite strs. as follows: 155.5, 158, 168, 173 ft. and 3" green silicates at 175 ft.
175	180	Light grey Ls.; 3" green silicates at 180 ft, and fluor. stringer.
180	185	Light grey quartz, porph. sparse disseminate pyrite.
185	190	Same, with brown oxide stain.
190	200	Alt. reddish stained quartz porph.
200	203	Some fels. porph. with also Ls. green silicates and fluor. stringer.
203	212	Light grey Ls. with green silicates and fluorite strs.
212	220	Same; with banded fluorite strs. at 212, 213, 215 and 216.5 feet.

TABLE 31 - Diamond drill hole log - Hole No. BM-9

Bearing: N 12° W
Elevation: 249.5 - Collar
Latitude: 6176 N.

Inclination: -45°
Depth: 4623 E.

Feet From	Feet To	Description
0	20	(10 feet of core) Light grey Ls. with green silicate strs.
20	32	Same Ls. with banded fluorite at 18, 205, 27 and with sparse wolf.
32	32.5	Green silicates stringer with Pyr. and sulfides.
32.5	56.5	Light grey Ls. with green silicate stringers; banded fluorite at 33.5, 38, 44, 54.5
56.5	57.5	Brown ox. stain, silicate and fluorite stringers.
57.5	92.5	Same Ls. with more indication oxidation and 3" red ox. stain stringer at 92.5
.5	99	Same limestone.
99	99.5	Brown stain, fluorite and silicate stringers.
99.5	120.5	Same limestone.
120.5	121	Green silicates, 3 fluor. seams and slight pyrite.
121	123	Light grey Ls. with green sil. strs. nearly parallel to hole.
123	124.5	Green silicates and fluorite, slightly pyritic.
124.5	125.5	Light grey limestone and green silicate stringers.
125.5	126	Green silicates, pyritic and other metallics.
126	161	Light grey quartz, porph. dike, slightly pyritic and fine black sulfide.
161	173	Fine grained qtz. porph., sparse diss. pyr. few fractures, slight oxidation and red ox. stain.
173	180	Red ox. stain, qtz. porph., alt. soft, kao. crumbly, diss. fluorite, cube pyr. black coatings.
180	183	Greatly alt. meta. qtz. porph. with fluorite and mica strs. only 2 feet of core for 18-187 feet. 3" green silicates, then light grey limestone with calcite strs. red ox. stain.
	192	Fine grained, light grey limestone.

TABLE 32 - Diamond drill hole log - Hole No. BM-10

Bearing: S 16° E
Elevation: 280 - Collar
Latitude: 5348 N.

Inclination: -45°
Depth: 4852 E.

Feet From	Feet To	Description
5	20	Soft, kaolinized, fluoritized, micaized, fels. porph. dike or sill, yellow ox. stain.
20	22	Harder, green, aphanitic, basis with fluoritized micaized inclusions ("greenstone basis").
22	24	Dark green, fluoritized, garnetized limestone, fragmental.
24	28	Coarser grained, green, fluoritized, micaized, garnetized limestone with green mica, pyritic, possibly wolframite.
28	32	Soft, crumbly, grey, yellow ox. stn. fluoritized, micaized acid dike or highly metamorphosed Ls. (very little kaolin).
32	38	Highly fluoritized, green meta. Ls. garnetized, green mica, pyritic.
38	41	White-grey, kaolinized, fluoritized, micaized breccia.
41	46	Grey, brown ox. stn. micaized, fluoritized, kaolinized in places, with small fels. porph. str. nearly parallel to hole; large fragments.
46	49	Light grey fels. porph. dike breccia (phenocrysts of kaolinized fels.) Fluor. mica, kao; small fragments.
49	51.5	Green, fluoritized, mica (green mica) vuggy meta. limestone.
51.5	56	Kaolinized, fluoritized, white-gray, fels. porph. micaized, sparse pyrite, sugary at 55 feet.
56	57	Green, vuggy, fluor. mica (green) Garnet, slightly pyr. meta. Ls.
57	59.5	Hard, light grey, fluor. micaized metamorphic with sparse diss. pyr. and wolframite.
59.5	62	Sugary, clayey, light grey mud, apparently from same as above.
62	70	Sugary, crumbly to hard, fluor. mica. lt. grey, same as above.
70	74	Green to grey, aphanitic, fluor, mica, basic? with pyr. arsenopyr, possibly wolframite.
74	75	Grey to light green, fluor, mica, basic or meta. limestone.
75	78	Green meta. Ls. fluor. mica (white and green) garnetized.
78	88	Light grey Ls. with green silicates, fluor, mica, garnet as strs: 3" at 78.5; 6" at 80; 6" at 83; 24" at 85 feet.
88	93	Green meta. limestone, fluor, garnet, mica pyr.
93	105	Green to grey meta. Ls; green at 93-95, 104-105, fluoritic from 95-104; green mica.
105	109	Grey Ls. and green, fluor. mica (green) at: 14" at 106; 18" at 107.5
109	110	Light grey limestone.
110	114	Green, fluor, mica, slightly kao. aphanitic basis? shows some slickensides.
114	123	Lt. grey, fluor, mica, metamorphic, possibly cass. at 122 feet.

Table 32 - Log of diamond drill hole No. DM-10 (Cont.)

Feet From	Feet To	Description
123	133	Lt. grey to green, fluor, mica, garnet, meta. Ls; pyritic, Ls. remnants, green mica, vuggy in places.
133	161	Light grey limestone with occasional green stringers.
161	162	Bright green, aphanitic, fluoritized str. heavy pyritic.
162	163.5	Lt. grey, fluoritized Ls. with thin seams arsenopyr.
163.5	168	Light grey limestone.
168	203	Mottled, green-grey-brown, highly meta. Ls? fluor, garnet, mica green-amphiboles, vuggy, maybe breccia, with epidote or vesuvianite.
203	204	Light grey limestone.
204	205	Fluor. limestone with abundant fine, diss. pyritic
205	207	Light grey limestone.
207	209	Greenish grey, fluor, heavily micaized, slightly kao, meta. Ls.
209	212	Light grey, fluor, mica Ls. with considerable diss. pyr.
212	213	Dark green, fine grained fluor. Ls, with seams at flat angle, fluoritized, micaized grey Ls. and pyritic green silicate.
213	224	Strs. 6" to 12" wide at flat angle to hole.
224	233	Light grey limestone and fluor. limestone.
233	238	Red-green meta. Ls. garnet and green mica.
238	256	Green-white meta. Ls. green mica, fluor. and green silicate with epidote or vesuvianite.
256	258	Blue-green meta. limestone.
258	261	Green meta. limestone.
261	265	Blue-green meta. limestone with tour. topaz.
265	309	Green meta. limestone.
309	311	Greenish breccia (angular fragments in calcite) fragments are garnetized and micaized.
311	317	Green-red, garnetized, micaized meta. limestone.
317	330	Lt. grey-green fluor. mica, garn. Ls. with Pyrr. and possibly wolframite and cassiterite.
330	350	Lt. grey, soft, kaolinized dike with pale brown mica.
350	354	Lt. grey, Ls. minor meta. strs. fragmental near 354.
354	356	Soft white kaolin and Ls. or calcite fragments.
356	369	Same.
369	378	White, kaolinized, granite, fine diss. pyr. and black sulf.
378	381	White, kaolinized, granite, heavy pyritic.
381	389	White, kao., granite with pyritic, black sulf. and possibly molyb.
389	394	Light grey hard granite with pyr. molyb. and other sulfides stibnite and possibly cassiterite.
394	409	Soft, white kaolinized granite with sulf. molyb.
409	414	Hard white qtz. porph. kao. pyr. stibnite, sulf.
414	427	Hard lt. grey qtz. porph; clear unaltered; pyr. sulf. molyb.

Table 32 - Log of diamond drill hole No. BM-10 (Cont.)

Feet From	Feet To	Description
427	438	Hard Lt. grey holocrystalline granite, pyrite, sulfides, pale brown mica, slightly kao at 427, highly kao., soft and crumbly at 438.
438	450	Lt. grey, hard qtz. porph, pyritic, molyb. sulf. in sparse disseminations.
450	463	Lt. grey hard holocrystalline, slightly kao. granite with accessory pale brown mica.

TABLE 33 - Diamond drill hole log - Hole No. BM-11

Bearing: N 25° E
Elevation: 292.5 - Collar
Latitude: 5175 N.

Inclination: -45°
Depth: 4890 E.

Feet From	Feet To	Description
0	4.5	Green meta. Ls. or basic, fluor, topaz, green mica, actinolite or hornblende, sparse pyritic.
4.5	9	Green basic dike, kaolinized porph. fels. green mica, fluorite, Fe MG silicates.
9	19	Brown ox. stn. grey acid dike or sill. micaized, fluoritized, kaolinized felspars.
19	24	Soft alt. grey acid dike or sill.
24	33.5	Green basic dike; same as 4.5 - 9.0 feet.
33.5	35	Green meta. Ls. - Considerable green mica, fluorite, calcite angles plus or minus 70°
35	39.5	Lt. grey, cryst. Ls. with minor green silicate strs.
39.5	42	Highly meta. and alt. acid dike, micaized, kaolinized green mica fluorite, Core broken badly and some Ls. is included. May be dike str. in Ls. also 1/4" str. Cass. and 1/8" str. wolf. pyritic.
42	43	Fluoritized meta. limestone.
43	45	Lt. grey limestone banded fluor. str. at 43.5 feet.
45	49	Core badly broken: Probably first half is fluor. Ls. and second half is fluor. acid dike.
49	50	Yellow ox. stain meta. limestone, fluor. and tourmaline.
50	61	Yellowish brown, fluoritized Ls? with minor green silicates and tour. fragmental probably breccia, kao.
61	90	Lt. grey Ls. with green silicates and fluor. strs as: 6" at 65; 6" at 67; 3" at 69; 4" at 73; 8" at 74; 6" at 76; 3" at 82.5; 3" at 84; banded fluorite at 62, 65.5, 69, 70, 81.5, 82.5; and brecciated at 72-73.5, 76-77, 80-82, 84-85. Yellowish brown fluor. Ls. fluor seams and possibly Cass; breccia fragment.
90	102	Light grey limestone with green silicate stringers.
102	103.5	Green silicates, fluoritized, micaized, at less than plus or minus 30°
103.5	108	Light grey limestone with green silicate stringers.
108	109	Fluoritized green silicates.
109	112	Light grey limestone with minor green silicate stringers.
112	115	Green silicates and limestone.
115	121	Brown ox. stn, green basic, fluor. and alt. pyr. green mica, appears to be "Greenstone" meta. Ls; non effer.
121	125	Blue-green-grey meta. Ls. or dike, highly fluoritized wolf. pyr. green and white mica.
125	127	Yellow stn. fluoritized meta. Ls. min. and with fluor. strs. nearly parallel to hole.

Table 33 - Log of diamond drill hole No. BM-11 (Cont.)

Feet From	Feet To	Description
127	137	Blue-green-grey metamorphic, highly fluor, micaized, kao. yellow ox. stn. at intervals, effervescence spotty, may be dike stringers.
137	139	Lt. grey Ls. minor fluor. and silicate seams.
139	148.5	Tan-brown-chocolate brown, meta. Ls. green mica, calcite cryst. fluor, white mica, vuggy effer. spotty. Garnet or cass. at 139-140.
148.5	152	Lt. grey Ls. with minor green silicate stringers.
152	164	Mostly green silicates; Ls. at 155-155.5; 156.5-157; 158-158.5; strs. are at flat angle, plus or minus 10°
164	176	Lt. grey Ls. with green sil; 6" at 167; 3" at 171.
176	191	Highly meta. green silicates with Ls. at 18-180.5; 186.5-187; 188.5-189.5; green mica, fluor, dark blue-black mineralized scheelite, topaz, garnet or cassiterite.
191	220	Lt. grey Ls. with green silicate strs; 4" at 192.5; 3" at 201.5; 203.5-205; 211-212; 218.5-219; Tour. and possibly wolframite at 203.5-205
220	229	Micaized, fluor, yellow soft, granular, crumbly dike with white, kaolinized fels. serecite lower contact at less than plus or minus 45°; (upper at flat angle-pk).
229	230	Green silicates, fluorite.
230	249	Lt. grey Ls. with green silicate strs. as follows: 3" at 230.5; 6" at 232, 236-237; 2" fluor. at 245; 2" fine grey micaceous at 235.
249	258	Yellow ox. stn. grey meta. Ls. with green mica, fluor, and calc. strs. actinolite, micaized, kaolin, some strs. nearly parallel to hole, fragmental, garnets.
258	268	Grey micaized, fluoritized, kaolinized porp. dike, pyritic, sparse wolframite.
268	272	Buff or maroon colored, highly fluoritic, micaized, fine grained, meta. basic, kaolinized, (Biotite).
272	275	Dark grey to green fine grained basic dike, with green mica fluorite, tourmaline.
275	283	Highly meta. Ls. green mica, fluorite, actinolite, tour.
283	288	Lt. grey Ls. and about equal amount green sil. strs. 2" mica and dark mineral at 288.
288	302	Lt. grey Ls. with minor green silicate stringers.
302	313	Lt. grey Ls. with minor green sil. strs.; 6" at 302; 6" at 306; 4" at 308.
313	317	Green, fluoritized, micaized silicate str. at less than plus or minus 30°
317	318	Fluoritized dike or mica stringer
318	324	Lt. grey Ls. with green silicates strs; 8" at 318; 8" at 320; 6" at 321; 12" at 322; 8" with fluor. at 323.
324	330	Green silicates with fluor. strs. banded at 330.

Table 33 - Log of diamond drill hole No. BM-11 (Cont.)

Feet From	Feet To	Description
330	340	Lt. grey Ls. with green silicate strs; 12" at 337, with malachite and possibly cass; and fluorite at 330, 331, 333, 337, 338.
340	350	Grey, fluoritized, meta. Qtz. porph. yellow ox. stn., with pyr. arsenpyr. wolf, mica and much quartz.
350	401	Light grey Ls. with minor green silicate strs. and bnd. fluorite at 355, 375, 391, 392, 395, 400, 401, possibly cass. and wolf. in several seams.
401	402	Fluoritized, meta. acid dike, molybdenite.
402	445	Ls. with banded fluorite at 402, 402.5, 405, 406, 406.5, 431; 6" green silicate str. with wolf. at 432, and 444; possibly cass. and wolf. in several thin seams.
4	451	White, granitic text dike with pale brown mica, qtz. wolf. molyb. pyr. arsenopyr, stibnite? All disseminated in small amounts; soft and crumbly at 447-450.
451	457	Limestone with possibly cass. in seat at 455.

TABLE 34 - Diamond drill hole log - Hole No. BM-12

Bearing: N 18° E
Elevation: 248.5 - Collar
Latitude: 5190 N.

Inclination: -45°
Depth: 4726 E.

Feet From	Feet To	Description
5	15	(Only 2.5 feet of core; 6" oxidized, fluoritized Ls. with fluor. and mica strs. and 24" core is soft, grey fels. porph, fluoritized and micaized)
15	20	Brown ox. stain meta basic.
20	24	Fluoritized micaized acid dike, coarse grained, mineralized, tourmaline.
24	30	Finer grained, harder, fluoritized, micaized grey dike.
30	36	Grey meta. Ls. with green silicates, fluorite and mica strs. at about 15° angle to hole, pyritic.
36	38	Grey meta. Ls. and banded fluorite strs. at 30° - 50° angles.
38	45	Soft, coarse grained, green-grey meta. Ls. fluoritized micaized pyritic wolf. Possibly cass. dike stringers.
45	48	Green meta. Ls. breccia, fluor, mica, pyr. sulf, angular fragments; strs. at less than 10° - 30°
48	61	Green to grey fluor. Ls. breccia, sparse sulf. green mica and silicates.
61	66	Soft, crumbly, micaized, fluoritized Ls. breccia, pyr. Ox cube pyr. at 66, black tour. wolf. and green mica.
66	69	Green, harder Ls. breccia, mica, fluor. tour. cass. wolf. oxidized, angular fragments.
69	70	Lt. grey, fluor, mica, soft crumbly meta. Ls. with Pyr. tourmaline, wolframite?
70	75	(Only 6" core) grey, fluor, micaized, pyr. Ls. breccia.
75	79	(2.0 ft. of core) soft, green to yellow Feox. stn. fluor. mica qtz. porph. breccia, tour. serecite, wolf. cass. pyritic, qtz. grains, sparse kao.
79	84	Lt. grey fine grained, fluor. porph, purple fluor strs. and pyr. min. seams, green mica, kao. qtz. grains, wolf. cass.
84	87	Grey to yellow, fluor, mica breccia, pyr and black sulf. porph. fels. matrix.
87	94	Grey brecciated porph. white kao, fels. fluor. mica, pyr. green tin (mica?) at 93.5, heavy arsenopyr. in places.
94	95	Green to grey mica, fluor, kao, brecciated porph. with 1/2" frags. malachite stn. possibly wolf. black sulf.
95	103	Grey, mica, fluor, min. porph, breccia, kao. fels. grades into qtz. porph.
103	116	Grey, mica, fluor, Ls? breccia, pyr, and black sulfides.
116	118	Greenish grey fluor. meta. Ls? considerable pyr. and black sulfide.
118	131	Grey, fluor, mica meta. Ls. pyr and min. soft and kao at 123.5; 125; 126; 127.5 - 129
131	134	Grey to green, pyr, fluor, mica meta. limestone?

Table 34 - Log of diamond drill hole No. BM-12 (Cont.)

Feet From	Feet To	Description
134	137	Grey to purple fluoritized limestone.
137	141.5	White to purple fluor. mica, kao, meta. Ls. (dike strs?)
141.5	144	Green-grey fluor. meta. limestone.
144	148	Lt. brown to white, soft fluor. mica, porph. or breccia text, meta. limestone.
148	153	Grey, fluor. mica. meta. Ls? with frequent soft, crumbly mineralized sections.
153	164	Grey fluor. mica meta. limestone pyritic.
164	166	Soft, crumbly, fluor. meta. limestone.
166	169	Fluor. breccia with dark aphanitic matrix, green silicates, pyritic.
169	171	Soft, grey fluor. kao. meta. dike.
171	179	Fluor. mineralized breccia with dark aphanitic matrix.
79	181	Fluor. meta. limestone.
181	191	Grey-green fluoritized, micaized, kaolinized dike breccia with white and green mica, tour? Quartz, wolf. and cass.
191	192	Grey-green, fluor. mica,meta. limestone less than plus or minus 35°
192	194	Maroon colored, quartz porph. Quartz grains.
194	201	Grey qtz. porph. dike, medium grained, fluorite, light brown and white mica, quartz pheno.
201	203	Fluor. mica, min. green silicates or basic, fragmental?
03	214	Fluor. mica, min. breccia, dike matrix? green mica, kao. red glossy hard min (qtz?), coarse and fragments, pyr. molyb.
214	219	Same rock material.
219	220	Grey fluoritized limestone.
220	222.5	Mic, fluor. meta. limestone pyr. green mica, garnet?
222.5	223.5	Soft brown fluor. kao. dike stringer.
223.5	235	Green to grey, fluor. min. alt. kaolinized meta? with quartz stringers, wolf. sphalerite, micas, molyb. with qtz. at 228.5 - 230.5
235	244.5	Greenish meta. limestone fluor. mica, pyr. black sulfides.
244.5	245.5	Maroon colored,porph. text, fluor. basic? pyritic.
245.5	252	Green fluor. mica, oxidized, meta. basic with occasional porph. text.
252	260	Lt. brown soft, alt. kao, meta. granite, fluor. mica, min. pyr; possibly alt. contact phase of following rocks.
260	269	Light grey, fluor. meta. dike or granite, pyr. wolf. quartz.
269	274	Same light grey granitic with less min.; qtz. pyr. galena.
274	277	Same only slight sulfides mineralized.
277	279	Same as preceding with some yellow ox. stn. and kaolinization of felspars.
279	300	Light grey, fluor. granitic, slightly mineralized.
300	316	Same, but more oxidized.
316	325	Same with oxidized black sulfide.
325	437	Light grey granitic, occasional seams mineralized appears fluor. and micaized at intervals.

TABLE 35 - Diamond drill hole log - Hole No. BM-14

Bearing: S 24° W
Elevation: 244.5 - Collar
Latitude: 6022 N.
Inclination: -45°
Depth: 4595 E.

Feet From	To	Description
0	90	Lt. grey Ls. with minor green silicate and fluorite seams, 1/8" wolf. seams at 12, 12.5; 31.5; 33; 40; First two are at plus or minus 45°, last three at 15° to 20°; Diss. wolf. and fluor. at 44.5 - 45 at 30°, malachite stn. at 47.5, fluor. and wolf. str. 1/2" at 58, trace at 67, 68, 80, 81, 82, 84 at 35°
90	96	Dark grey, fluor, meta. Ls. with sparse disseminations and seams wolf. pyr. topaz, silicates.
96	157	Lt. grey Ls. with wolf. seam at 107, fluor and wolf. at 128 at less than 30°
157	297	Lt. grey Ls. with minor grey fluorite and silicate seams, 1/4" mica str. at 190 at less than plus or minus 40° Red ox. stn. 3" min. str. at 199.5 and at 256-257; coarsely cryst at 272-292, bnd. fluorite at 282,285,286 at 45°, 291 at 30°, 297 at 30°
297	300	Lt. grey Ls. miarolitic, red ox. stn. at 298-299.
300	346	Lt. grey Ls. with minor grey seams and vuggy fractures.
346	352	Soft, white chalky fluor. possibly kao str. with fluorite banding at 30°
352	353	Red ox. stn. porous, calcite fluorite stringer.
353	441	Lt. grey cryst. Ls. with minor fluor. seams and red ox. stn.
441	471	Grey to lt. grey cryst. Ls. with minor fluorite and green silicate seams, pyritic in grey seams.
471	483	White marble.
483	499.5	Lt. grey Ls. with minor fluor. seams 1" green str. with wolf. and pyr. at 499.5 at flat angle to hole.
499.5	583	Lt. grey Ls. with minor fluor seams, 3" fluor. green str. at 502 at 30°, 1/16" wolf. at 504 at 30°, 1/2" mica at 509 at 30°, Red stn. calc. at 510, 2" green sil. at 542, 6" fluor. mica and green sil. at 560, 6" red ox. stn. fluor mica str. at 564, 6" green sil, mica, fluor str. at 570, 2" red ox stn. fluor and sil. at 578 and 579.
583	588	Grey fluor Ls. with fluor. strs at flat angle to hole and green silicate strs. at 45°
588	589	Red ox. stn. fluor. limestone.
589	595	Dark grey, fluor, mica, contact, probably phase of dike, abundant light and dark micas.
595	614.5	Lt. grey, fluor, mica, granitic text dike with traces molyb. and wolf. pale amber mica and qtz. as access.
614.5	621	Lt. grey fluor. Ls. with minor fluorite and silicate seams.

TABLE 36 - Diamond drill hole log - Hole No. BM-17

Bearing: S 20° W
Elevation: 411 - Collar
Latitude: 6375 N.

Inclination: -45°
Depth: 4069

Feet From	Feet To	Description
0	448	0-448 feet is grey limestone with minor grey fluorite and silicate seams.
448	453	12" limestone breccia with grey aphanitic, fluoritic fragments; fragments are pyritic; 24" crystalline calcite; 24" crystalline limestone.
453	595	White to grey, marmorized limestone breccia; fluoritized in places; 2" wolframite? and pyrite at 513.5 feet.
595	600	Green-grey, pyritic, kaolinized felspar dike.
600	602	Dike breccia with calcite inclusions.
602	619	Breccia; calcite with kaolinized dike fragments; sparsely mineralized with fine disseminated pyrite.
619	629	Grey, crumbly dike breccia; kaolinized felspars; pyritic and sparse other mineral; dark, aphanitic mineralized stringer at 627'-628' at flat angle; fluoritized; oxide stained. Possibly cassiterite at 619.5', 620', 620.5'
629	655	Dike-calcite breccia; pyritic, sparse mineralization; wolframite or black sphalerite and pyrite occur on contact surfaces of fragments and in dike fragments; fine, disseminated wolframite and cassiterite at 630 feet.
6	683	Grey limestone.

TABLE 37 - Diamond drill hole log - Hole No. BM-21

Bearing: N 9° E
Elevation: 312 - Collar
Latitude: 5977 N.

Inclination: -40°
Depth: 4740

Feet From	Feet To	Description
0	513.5	Light grey, fine grained limestone, random minor fluorite-silicate seams, slight pyrite in seams; 1/2" garnet and wolframite at 105 feet; more fluorite stringers from 163 to 189 feet, 1 inch pyrite stringer at 104.5'; 3 inch oxidized green silicate stringer at 243.5'; 6" of pyrite and sulfides in green silicate stringer at 287.5'; 3" white to pink mica-fluorite stringer at ?; banded fluorite at 328, 343, 347, 347.5 feet; 2" pyritic green silicate stringer at 370.5 ft.; 6" pyritic green fluoritic silicate stringer at 388.5'; 4" green fluoritic silicate stringer with 1/2" seam chalcopyrite and wolframite at 389.5 feet; 1" fluorite-sulfide stringer at 408'; 2 thin seams pyrite and wolframite, 1" thin seam 463, 490.5, 496.5, 509 feet; considerable banded fluorite between 492-513 feet.

TABLE 38 - Diamond drill hole log - Hole No. BM-22

Bearing: S 16° W
Elevation: 247 - Collar
Latitude: 5382 N.

Inclination: -45°
Depth: 4737 E.

Feet From	Feet To	Description
0	3	Chocolate brown ox. Ls. with white calcite stringers.
3	20	Grey light brown ox. stain fluor. limestone.
20	28	Grey to green, fluor. meta. limestone, ox. stn. some angular fragments of possibly dike material.
28	30	Fluor. mineralized meta. breccia.
30	35	Fluor. mica, ox. stain meta.
35	38	Green-grey mineralized fluoritic mica breccia.
[illegible]	42	Grey, fluor. meta. limestone.
.	43	Green, fluor. meta. possibly basic dike or sill.
43	50	Green-grey, ox. stn. fluor. breccia, min. and with mica strs.
50	54	Grey, fluor. mica meta.
54	55	Brown ox. stn. green silicates and fluor. breccia.
55	58.5	Grey, fluor. mica, meta. Ls? with mica strs. and few angular fragments, possibly qtz. and cass. at 58.
58.5	59.5	Brown ox. stn. porous, fluor. mica stringer.
59.5	78	Grey fluor. mica, meta. Ls. slightly frag. with brown ox. fluor green silicate strs: 60-62, 67-68 (Basic?) 69-70; 73-74; 76-77 at flat angle to hole, basic dike with kao. fels. at 70-71
78	79.5	Green-grey meta. Ls? miarolitic and brown ox. coatings, fragmental.
79.5	81	Green-dark grey, porph. text breccia with kao, pyr, ox. stn.
81	84	Green-grey, brown ox. stn. fluor. mica, breccia.
84	85	Brown ox. stn. fluor. mica, breccia, with porph. kao, vuggy.
	94	Grey, fluor, mica, breccia with white kao. porph. strs.
94	103	Hard grey medium grained, fluor. mica, min. dike, pyr. and black diss. min.: is progressively more ox. stn. and kao. from 100-103, possibly cass. at 100.
103	107	Soft, grey-white, kao. fels. porph. fluor. and cass. at 105.
107	120	Hard, grey fluor. mica meta.porph? with str. mica nearly parallel to hole wolf. cass, pyr. arsenopyr. Quartz.
120	124	Green-grey, fluor. pyr. sulf. slightly frag. fine grained, meta. porph? Qtz. pheno.
124	134	Hard grey fluor. min. meta. porph. with diss. purple fluor. cass. molyb. mica stringers, quartz pheno.
134	136	Apparent gradation to more altered kao. porph.
136	137	Green-grey, min. fluor., meta. porph.
137	142.5	Grey, fluor. mica meta. Ls.with random green silicate strs.
142.5	146	Grey, fluor. Ls. with green sil. strs. nearly parallel to hole.
146	149	Grey, fluor, min. meta. limestone.
[illegible]	150.5	Kao. porph. text dike stringer, fluor.

Table 38 - Log of diamond drill hole No. BM-22 (Cont.)

Feet From	Feet To	Description
150.5	155	Grey, fluor. min. meta. limestone, trace malachite, vuggy.
155	156	Tan, fluor. meta. limestone with white calcite seams.
156	159	Mottled, brown-green, fluor. breccia, min. with calcite strs.
159	160	Light brown marmorized limestone.
160	162	White chalky limestone.
162	171	Lt. brown-white, marm. Ls. fragmental, trace fluorite, malachite.
171	175.5	Chocolate brown-light brown marm. limestone breccia.
175.5	193	Grey, fragmental Ls. with random ox. green silicate strs. and mica seams.
193	197	Fluor. green meta. limestone pyritic, sphal. wolframite.
197	208.5	Lt. grey Ls. with occasional thin seams green silicates.
208.5	210	Fluor. mica, min. meta. Ls. with str. at flat angle to hole.
210	211	Alt. kao. soft brown-grey, min. meta. dike?
211	213	Grey-white limestone.
213	218	(18" or core) soft, alt. kao. dike? Min. in small pieces and clayey mud.
218	227	Grey-light brown Ls. miarolitic at 222, fluor. str. at 223.
227	229	Dark grey mineralized fluor. limestone.
229	231	Light grey limestone.
231	239	Grey, fluor. Ls. with calcite seams and soft, white gougy strs.
239	242	Hard, grey to cream colored fluorite, and fluor. Ls. with miarolitic 3" calcite stringer at 239.5
242	246	Soft, white, chalky kao. fluor. meta. limestone.
246	250	Tan, fluor. limestone with calcite seams.
250	251	Ox. green silicate str. at 25°, fluorite and calcite seams.
251	290	Lt. grey fluor. Ls. fluorite strs. at 258, 262-264, 272-273, 276-278, 282-283, 286; green silicate strs. at 266, 283, 285, 288; angular fragments near fluor. sparse pyritic.
290	292	Mineralized green silicates, possibly cassiterite.
292	315	Grey meta. limestone with min. green sil. strs.: 6" at 292.5; 6" at 297; 8" at 298; 12" at 299.5; fluorite strs. at: 302.5-303.5; 309, possibly cassiterite in mica seams.
315	316	Soft, brown, altered limestone black sulfide.
316	320	Dark grey to green, fluor. mica, kaolinized min. porph dike stringers in meta. Ls. with green mica, garnet, pyr. wolf.
320	320.5	White calcite.
320.5	322	Grey-green, fluor. mica. meta. Ls. with white kao. porph. strs.
322	324	Soft, grey, fluor, min. kao. porph. dike, mostly clayey mud
324	325	Green-grey, fluor. mineralized meta. limestone.
325	342	Grey. Ls. with minor fluor. and green silicate strs. pyritic mica seam at 332 at 70°
342	344	Mottled, brownish grey and cream colored meta. Ls? with fluorite, topaz, wolframite, some kao, pyr. galena, possibly dike stringers.
344	360	Marmorized Ls. fluoritic and min. at: 345-347; 3" at 348.5; 351.5-352.5; pyritic, tour. and cass? at 346.
360	365	White marble.

TABLE 39 - Diamond drill hole log - Hole No. BM-23

Bearing: N.83° - 43' E. Inclination: -35°
Elevation: 220 - Collar Depth: 4614 E.
Latitude: 5216 N.

Feet From	Feet To	Description
0	6	Fluoritized acid dike, patches of kaolin; thin greenish radial prisms of vesuvianite? black oxide coatings; Breccia-stringer structure at 5 feet; some white mica.
6	10	Fluoritic limestone and acid dike stringers.
10	19.5	Light grey-white crystalline limestone with random blue-green seams.
19.5	32	Green, grey & brown, fluoritized acid dike, white mica, kaolin, black oxide coating, limonitic pyrite seams; angles 20° - 40° to axis; same as surface sill.
-	34.5	Contact phase of same acid dike; banding and porous casts at 32.5 feet with pyrite seams.
34.5	40	Grey crystalline limestone with minor fluorite seams, green silicates and possibly dike stringers.
40	50	Only about 14" broken core from 41-52; same fluoritic acid dike to 45'; between 45-46 is half white limestone and half limonitic pyrite in green meta. limestone; from 46 plus or minus to 50 plus or minus is same acid dike, slickenside.
50	52	White limestone.
52	59	Yellowish brown to light green, kaolinized felspar. porphyry, comparatively soft and altered (like hole #22) minor iron oxide and black oxide coating, considerable slicken; angles 45° at 59.5 feet.
59	61.5	White, aphanitic fluorite, compact.
61.5	64	Hard, fluoritic green basic dike, green vesuvianite and brown garnet rare, sparse pyrite.
-	67.5	Light grey fluoritic limestone breccia with coarse angular fragments; 1 to 4 inch green silicate stringers containing chlorite, garnet vesuvianite.
67.5	77	Light grey fluoritic limestone with brown oxide stained tactite stringers as: 7" at 67.5'; 10" at 68.5'; 6" at 69.5'; 16" at 71'; 4" at 75'; black oxide coatings.
77	81	Grey-green fluoritic meta. dike, few spots of kaolin, sparse white mica.
81	84	Grey limestone and fluoritic limestone.
84	89	Green tactites, angular fragments, garnet, chlorite.
89	90.5	Green meta. basic, brown & black oxide coatings.
90.5	92	White fluoritic limestone.
92	95	Grey, fluoritic acid dike, kaolinized felspars, slicken.
95	97.5	White fluorite and acid dike stringer; kaolin.
97.5	101	Grey-green fluoritic tactite.
101	104	Green fluoritic meta. basic, heavy pyrite & other metallics.

Table 39 - Log of diamond drill hole No. BM-23 (Cont.)

Feet From	Feet To	Description
104	106	White mica stringer at angle 30° at 105'; brown oxide coating.
106	107	Grey limestone and green porous tactite.
107	112	Grey fluoritic limestone and yellow stained fluoritic contact rock.
112	127	Soft, friable, white to light grey, aphanitic, kaolinized, felspar dike? mostly kaolin, sparse serecite, slight tan and black oxide coatings, fluorite, not much mineral.
127	132	Harder, fluoritized, micaized phase of same.
132	134	Green-grey fluoritic meta. limestone, porous casts.
134	153	Grey limestone with minor fluorite stringers.
153	163	Greenish grey, fluoritic dike; white kaolinized felspars white mica, disseminated pyrite and other metallics. Fine black acicular crystals; nor core 158' - 162'; iron oxide stains in places, cube pyrite.
163	173	Grey, kaolinized felspar dike breccia; slicken, dike fragments are in fluoritic dike matrix; wolframite, pyrite, molybdenite and other metallics.
173	177	Grey fluoritic dike breccia; appears to be fluorite stringer and dike fragments, wolframite.
177	212	White to light grey, kaolinized felspar dike; brown oxide stained as follows: 1" at 184.5'; 2" at 187'; 2" at 187.5'; 15" at 193'; more bleached, kaolinized, mineralized at: 185.5'-189; 191-192; 201-203; 207-213'; wolframite, pyrite, arsenopyrite, (stibnite (soft, black sectile, acicular, streak grey)): Topaz and cassiterite at 186.5', 187 plus, white mica & cassiterite at: 203'; 205'; 205.5'; cass. in green gel at 209.5 feet.
212	224	More fluoritic, appears to be many fluorite stringers in dike, possibly very coarse breccia; soft friable white kaolinized felspar dike with sulfide mineralization (possibly cassiterite at 215') from 214'-217'; cassiterite at 222', 1/8" stringer mica-cassiterite at 223'.
224	230	Green-grey, fluoritic meta. limestone with fluorite stringers and white kaolinized slicken; limestone at 230 feet.
230	234	Grey acid dike, kaolinized felspars, fluoritized, micaized, fluorite, stringers, sparse mineralization.
234	240	Maroon, fluoritic meta. basic, rounded patches white kaolin give porphyritic texture; brown & black coatings.
240	242	Grey felspar porphyry, white kaolin phenocrysts, much white mica, minor pyrite.
242	247	Grey fluoritized, white micaized, acid dike with flubrite stringers, abundant pyrite and other metallics, molybdenite, porous texture.
247	250	Maroon fluoritic meta. basic, same kaolin patches, fine light brown mica.

ble 39 - Log of diamond drill hole No. BM-23 (Cont.)

Feet From	Feet To	Description
250	255	Kaolinized acid dike apparently cutting basic at angle of 10° plus or minus to axis; acid dike is soft, white crumbly, pyritic.
255	278	Soft, white, kaolinized dike, pyrite and stibnite; wolframite seam nearly parallel to hole at 261 feet; harder and white mica at 261 to 267 feet; 6" clear fluorite at 272.5 feet; 1/8" wolframite-mica seam at 274 feet; sphalerite-galena at 275 feet.
278	278.5	Green fluoritized meta. limestone pyritic.
278.5	281	Grey limestone and fluoritic limestone; fluorite stringer.
281	284	Grey mica-kaolin acid dike at angle 20° plus or minus to axis of hole.
284	285	Green fluoritic meta. basic, white kaolin and mica.
5	286.5	Grey limestone.
286.5	331	Grey limestone with numerous stringers acid and basic dikes, fluorite, mica and calcite at flat angles to hole; 299.5'-201' green silicates, pyrite and sulfides; from 311-314 is considerable disseminated sphalerite, chlorite, garnet (tactite); at 323.5' limestone 1/4 white calcite stringer at angle 15° plus or minus.
331	351.5	Mottled, green-white-brown tactite; coarse chlorite, garnet, fluorite, calcite.
1.5	355	Dark grey, fine grained, meta-basic? brown mica? calcite seams.
355	357	Mottled green, meta. basic, fluoritic, mica, small amount kaolin; seems to be a 3 inch acid stringer at 355 feet.
357	367	Dark grey-brownish, fine grained meta. basic; groundmass is brown mica or tabular crystals; porphyritic white phenocrysts, calcite seams, same as 355-356.5 feet.
367	374	Mottled green-grey meta. basic, white calcite seams and patches.
374	427	Grey-green-brown fluoritic meta. basic or tactite, with white calcite patches giving a porphyritic texture; chlorite and brown mica locally, some pyrite and sphalerite, calcite seams, white mica at 432.5 feet.
427	436	Mottled, grey-white limestone or calcite and fluoritized tactites; white mica and wolframite in 3" stringer at 435'; chlorite at 432 feet.
436	442	Grey, fluoritic meta. dike; 2" white mica and molybdenite at 437.5'; 3" white mica at 440.5'; considerable calcite.
442	450	Soft crumbly white to light grey, fluoritized, kaolinized felspar dike.
450	457	Grey, fluoritic meta. basic; white calcite patches and seams, pale brown mica.

Table 39 - Log of diamond drill hole No. BM-23 (Cont.)

Feet From	Feet To	Description
457	458	Grey, fluoritized meta. dike; with white mica pyrite, arsenopyrite, chalcopyrite in a seam at a flat angle.
458	462	Grey, fluoritic meta. basic similar to 450-457 feet.
462	468	Grey limestone and grey-green tactites.
468	484	Grey basic; similar to 458' to 462'; becomes more altered nearer granite contact.
484	486	Irregular mixture of soft, altered brown basic and soft, white, crumbly granite; some mineral.
486	499	Soft, broken, crumbly grey granite; fluoritized, one piece with radial vesuvianite or topaz.
499	505	White granite; more compact, felspars kaolinized, Quartz phenocrysts, galena, chalcopyrite, wolframite, yellow to amber topaz, green vesuvianite?, disseminated in appreciable quantities.
505	516	Hard, grey granite; chalcopyrite, 2% to 4% of black sulfide, wolframite; granite unaltered.
516	532	Speckled, white fluoritized granite; felspars are kaolinized, abundant pyrite, wolframite?, quartz, granular texture.
532	543	Soft, crumbly, fluoritized granite; fine grained, felspars kaolinized, no quartz? topaz, cassiterite, pyrite, wolframite disseminated in moderate amount.
543	567	Soft, altered, kaolinized granite with apparently diminishing mineralization.

TABLE 40 - Diamond drill hole log - Hole No. BM-24

Bearing: N 74° E
Elevation: 239 - Collar
Latitude: 5529 N.

Inclination: -40°
Depth: 4614 E.

Feet From	Feet To	Description
0	31	Grey limestone with minor fluorite and silicate seams.
31	36	Light brown, iron oxide stained limestone breccia.
36	36.5	Light grey limestone.
36.5	43	Brown stained green fluorite-silicate breccia.
43	44	Grey limestone with minor green stringers, brecciated.
44	45	Brecciated, green fluorite-silicate stringer.
45	82	Grey limestone with minor green seams and green silicate stringers as follows 6" at 58'; 12" oxidized at 63'; 6" at 65'; 12" at 67.5'; 8" at 69 feet.
82	84	Green-grey fluorite-silicate Stringer with pyrite and wolframite; this is contact and last 6" are fluoritized dike; brown and black oxide coatings.
84	88	Brown oxide stained, fluoritic acid dike; heavy arsenopyrite, wolframite, white mica, small amount kaolin.
88	91	6" green silicate-fluorite; 30" grey crystalline limestone.
91	95	Green-brown, porous texture kaolinized felspar dike, fluoritic, slicken.
95	118	Grey crystalline limestone with green silicate-fluorite seams, stringers as follows: 3" at 97'; 2" at 104'; 4" at 105'; 3" at 111'; 6" at 116'; wolframite? at 117.5'
118	120.5	Green-brown acid dike; kaolin, fluorite, slicken, wolframite.
120.5	122	Chocolate brown limestone and dike breccia.
122	129	Grey crystalline limestone.
129	131	Brown stained, green contact rock; garnet, fluorite, chlorite.
131	141	Brown stained, altered, kaolinized felspar porphyry, black oxide stains, sparse wolframite?, plus or minus 40° angle with centerline hole.
141	148	Grey fluorite-silicate contact, limestone at 142 feet, crystalline calcite stringer at 148 feet, pyritic.
148	157	Brown oxide stained, porous, crumbly, kaolinized felspars, dike, fluorite, wolframite?, calcite, black oxide coating.
157	254	6" of fluoritized contact, rest is grey, crystalline limestone with green stringers as follows: 1/2" with wolframite at angle 20° at 160.5'; with pyrite and wolframite? at 164.5 to 166' and at angle 20°; angles between 166' - 168' vary from 5° to 30°; 8" at 40° at 175'; 12" at 176'; 24" at 181' at 30°; 6" at 184'; 18" with pyrite at 30° at 189'; limestone is coarsely crystalline from 184' to 203'; 6" at 253 feet.
254	258.5	Fluorite, mica stringer with cassiterite? at 20° angle to centerline hole, green stain on white mica.
258.5	260	White fluorite.

Table 40 - Log of diamond drill hole No. BM-24 (Cont.)

Feet From	Feet To	Description
260	523	Grey crystalline limestone with minor green stringers and also as follows: 2" at 266.5' at 25°; 12" at 302'; 6" at 305' at 40°; 4" at 316' at 50°; 4" at 317' at 40°; 8" at 322' at 30°; 54" at 325 (in and out) with pyrite and wolframite; 6" at 338'; 8" at 363.5'; 6" at 387.5'; 8" at 392'; 8" at 399.5'; 2" at 402'; 2" at 404'; 6" at 407'; 6" sand at 419'; 453 to 465'; 2" at 459.5'; 14" at 481 with pyrite and wolframite; 6" at 497'; 6" at 502.5'; 12" at 504'; 6" at 516'; from 455 to bottom of hole limestone becomes more coarsely crystalline.

TABLE 41 - Diamond drill hole log - Hole No. BM-25

Bearing: N 74° E
Elevation: 241 - Collar
Latitude: 5824 N.

Inclination: -40°
Depth: 4555

Feet From	Feet To	Description
0	400	Grey limestone with minor fluorite-silicate seams; other green fluorite-silicate stringers as follows: 6" at 113.5'; 10" at 121'; 2" at 122.5'; 24" at 126.5'; 12" at 175' (fluorite); 6" fluorite at 180'; 2" at 248'; 3" at 251'; 6" at 283'; 4" at 286.5' 15" fluorite and lepidolite at 319 feet. 2" stringer white mica and fluorite with wolframite at 436.5 feet.

TABLE 42 - Diamond drill hole log - Hole No. BM-26

Bearing: S 51° E
Elevation: 220.5 - Collar
Latitude: 5135

Inclination: -40°
Depth: 4622 E.

Feet From	Feet To	Description
0	7	Fluoritic meta. limestone.
7	10	Fluoritic, green meta. basic.
10	38.5	Light brown oxide stained, grey, fluoritic meta. limestone with numerous grey and green silicate and fluorite stringers.
38.5	53	Grey fluoritic limestone and green meta. limestone or stringers with garnet and other contact minerals.
53	58.5	Limestone and green fluorite-silicate stringers.
58.5	64	Fluoritized meta. limestone with coarse mica veins, pyrite and wolframite, oxide coated casts; kaolinized mica dike 62' - 62.5 feet.
64	69	Grey limestone with seams of pyritic green silicates.
69	69.5	Brown, oxidized dike? stringer; mica, kaolin, fluorite.
69.5	81	Grey limestone with green silicate and grey fluorite stringers containing pyr. and black tourmaline as follows: 12" at 69.5'; 3" at 71'; 12" at 72.5'; 4" at 75'; 3" at 76'; 6" at 79.5'
81	82.5	Green chloritic, garnetized, fluoritized meta. limestone with oxide coated open casts; pyritic.
82.5	96	Limestone and grey flouritic limestone with green and grey small stringers.
96	111	Grey limestone with random green seams; patches of garnet and wolframite.
111	113	Banded fluorite stringers and limonite seams in limestone.
113	186	Grey limestone; 5" abundant pyrite at 136 feet.
186	190	Grey limestone; yellow-brown oxide coatings; black oxide coatings; malachite stained seam at 186.5 feet.
190	191.5	Grey, soft kaolinized dike? pyritic and mineralized.
191.5	197	Yellow stained limestone with random grey fluorite banded seams.
197	201	Grey, hydrothermally altered, mixture of soft white kaolin and calcite; possibly breccia or gouge; heavy pyrite and other sulfides; fine garnet or cassiterite?; wolframite?
201	211	Yellow oxide stained marmorized limestone or calcite, some mineralization and spots of white kaolin.
211	212	Similar to 197-201; with abundant black mineral.
212	214	Yellow stained marmorized limestone; fluorite and sulfide seams.
214	215	Similar to 211-212; kaolin and calcite.
215	222	Mostly yellow stained marmorized limestone with some kaolin; numerous mineralized seams.
222	224	Soft, altered, grey felspar porphyry; much calicte; well mineralized.

Table 42 - Log of diamond drill hole No. BM-26 (Cont.)

Feet From	Feet To	Description
224	229	Yellow oxide stained, marmorized limestone with some kaolin; lightly mineralized.
229	232	Breccia; white kaolin and dark fragments in white clay; abundant pyrite and black metallic mineral.
232	239	White clay gouge and breccia; abundant pyrite other sulfides, and black metallic.
239	270	White kaoline, soft and friable; unusually heavy pyrite, other sulfides, wolframite, black metallic mineral; core is ground to coarse sand in places.
270	291	Soft, crumbly granite, greenish grey, speckled appearance, kaolinized; same mineralization as preceding.
2	297	Harder, grey, granite; less altered and mineralized.
297	309	Hard grey granite; white to light brown mica, quartz phenocrysts, clear unaltered felspars, sparse mineralization.
309	320	Core is chewed to white clay and sand; seems to be well mineralized granite.
320	328	White-grey granite; altered with partial kaolinization of felspars, light brown and white mica; sparse disseminated mineralization.
328	332	Compact, even grained granite; slightly kaolinized to fresh felspars; quartz phenocrysts; sparse mineral.
332	334	Light grey granite; mica, quartz; slight alteration and mineralization; core in small broken pieces and sand.
334	354	Hard granite; slight alteration and mineralization; porous friable and slightly more kaolinization and mineralization at 338 to 354 feet.

TABLE 43 - Diamond drill hole log - Hole No. BM-27

Bearing: N 40° E
Elevation: 215 - Collar
Latitude: 4667

Inclination: -45°
Depth: 4620

Feet From	Feet To	Description
0	56	Light grey limestone with occasional thin banded seams of fluorite and grey silica; fine grained.
56	67	Dark grey crystalline limestone: 3" green silicate stringers at 67 feet.
67	166	Light grey limestone same at 0'-56'; light brown iron oxide stained stringer at 97' and 114'; more coarsely crystalline from 110' to 140'
166	180.5	Crystalline limestone; some oxide staining, slightly pyritic, marmorized; grey.
180.5	183	Brown oxide stained limestone; casts with fluorite crystals, colorless needle crystals, black oxide coatings, black needle crystals, slightly pyritic.
183	251.5	Grey crystalline limestone (brown oxide stained at 183-251.5, 185.5-186.5); banded fluorite and fluorite crystals; clear, radial crystals; occasional oxide stained joint.
251.5	253	Altered, oxidized, fluoritized, kaolinized dike stringer at angle 10° to centerline hole; with white mica; brown garnet or cassiterite in fracture plane at 252 feet.
253	268	Grey to tan limestone with occasional fluorite-silicate seam; black oxide coatings.
268	269	Brown oxide stained, fluoritized, micaized, kaolinized granite; soft, crumbly; black oxide coatings; sparse black metallic.
269	275	Grey, altered, kaolinized granite; soft crumbly; abundant pyrite, chalcopyrite, sphalerite, galena, needle stibnite?, chalcopyrite, black metallic?
275	277	Less altered, harder granite; more mica, quartz grains; sparse sulfides, give salt and pepper effect.
277	284	Hard, even grained granite; abundant sulfides as from 269 to 275 feet.
284	289	Hard quartz porphyry granite; rare clear glassy topaz, clear glassy feldspars; abundant sulfides and wolframite?
289	295	Soft, greenish-grey felspar porphyry with large kaolinized felspars, friable; moderate amount of pyrite and black metallic.
295	296	Mud and sand; black to brown tabular mineral; pyritic.
296	332	Hard, grey, even textured granite; much white and pale brown mica; 1% to 2% fine disseminated pyrite and black metallic (sphalerite?); from 227 to 232 feet the granite becomes more hydrothermally altered and slightly more mineralized.
332	341	Granite; quartz phenocrysts, kaolinized felspars, mica, hydrothermally altered; slightly more pyrite.
341	375	Grey, slightly altered granite; sparse finely disseminated pyrite and black metallic.

TABLE 44 - Diamond drill hole log - Hole No. BM-28

Bearing: N 30° E
Elevation: 337.5 - Collar
Latitude: 4908.5 N.

Inclination: -70°
Depth: 5004 E.

Feet From	Feet To	Description
0	16	Only 6" BX core, light grey, finely crystalline limestone.
16	20	Grey limestone with minor green silicate stringers.
20	21	Grey Ls. slightly brecciated, broken seams of green pyritic silicates.
21	30	Limestone breccia containing fragments of fluoritic limestone; fluorite and pyritic green stringers; fragments about 1/2" angular; minor chalcopyrite; some slicken and iron oxide stain; Matrix is chalky, effervescent calcite.
[illegible]0	32	Grey limestone with unbroken stringers of fluorite, pyritic fluoritized fragments.
32	42	Yellow stained breccia similar to 21'-20', coarser fragments near 42'; predominant angle seams is 20° plus or minus.
42	44.5	Grey marmorized limestone with green silicate stringers.
44.5	52	Yellow to brown, iron oxide coated, fluoritized limestone breccia.
52	54	Grey, crystalline fluoritized limestone with disseminated pyrite, arsenopyrite, wolframite?, molybdenite; 2" strs. of molybdenite arsenopyrite, wolframite? at angle of 45° at 53'; fluorite stringer at 70° angle at 54 feet.
54	56	Yellow iron oxide stained, fluoritized limestone breccia with disseminate pyrite and arsenopyrite and in seams; 2" of grey fluorite and arsenopyrite at 56 feet.
56	60	Yellow, fluoritized limestone with seams and disseminated pyrite and aresnopyrite; also seams of blue-black, vitreous tourmaline; seam of cube fluorite at 60' at flat angle.
[illegible]0	68	Fluorite or fluoritic limestone with seams and disseminations of fluorite, arsenopyrite and pyrite; traces of kaolin; cavities lined with fine radiating, glassy, acicular crystals; seams at flat angle.
68	76	Grey, fluoritized limestone with abundant disseminations and seams of arsenopyrite, and blue-grey sulfide in minor amount.
76	78	Yellowish white crystalline fluorite; vuggy with spots sulfides; coatings of kaolin in casts near 78'; also trace of blue-black shiny mineral.
78	82	Grey, fluoritic limestone with plus or minus 30% by volume of arsenopyrite; some pyrite and wolframite at 81 feet.
82	85	Grey limestone; slightly mineralized.
85	90	Grey to yellow, oxide stained, fluoritic metamorphic with traces of kaolin; 5% arsenopyrite, less pyrite and some chalcopyrite; seams and disseminations of blue-green tourmaline.

Table 44 - Log of diamond drill hole No. BM-28 (Cont.)

Feet From	Feet To	Description
90	95	Grey, mottled, fluoritized limestone breccia; minor pyrite and tourmaline; black copper tarnished to bronze sulfide which may be stannite; stringers at 30° ?
95	100	Grey, soft, altered, porous fluoritized limestone? or felspar dike breccia; conspicuous spotty kaolin and much in form of gel; abundant pyrite, some chalcopyrite, tourmaline and blue-black sulfide; trace wolframite.
100	102.5	Soft, grey to cream colored fluorite and kaolin; shows kaolin porphyritic texture in places; minor pyrite; some seams fine wolframite and cassiterite?; calcite stringer
102.5	114	Marmorized limestone or calcite with oxidized pyrite-arsenopyrite stringer nearly parallel to hole from 109' to 113'; limestone is white to tan.
114	115	Green-grey iron oxide coated pyrite and arsenopyrite; possibly wolframite; porous.
115	140	White to grey, marmorized limestone or calcite; minor pyrite and silicate seams.
140	150	Grey breccia with fragments of kaolin and limestone; may be dike and limestone fragments cemented with calcite; calcite stringers, tourmaline, pyrite, arsenopyrite, possibly stannite.
150	154	Marmorized limestone; 3" stringer oxide stained, solid arsenopyrite at 30° at 152'; 1/2" stringer arsenopyrite and pyrite at 30° at 153 feet.
154	160	Light grey limestone with fluorite stringer at 15° at 158.5'; shows slicken.
160	162	Grey to tan fluoritic breccia; spotty white kaolin; calcite, pyrite, arsenopyrite, wolframite, tourmaline, in moderate amounts; slicken.
162	167.5	Grey to tan limestone, fluoritic limestone, considerable kaolin, calcite, pyrite, arsenopyrite; breccia but possibly is dike stringers nearly parallel to hole.
167.5	172	Grey to tan fluoritic breccia with calcite stringers; limestone and kaolin fragments; same mineralization at 160' to 162' plus chalcopyrite and blue-black sulfide; moderate mineralization except 2" arsenopyrite stringer at 30° at 169 feet.
172	175	Same as preceding; more kaolin and arsenopyrite.
175	176	Grey limestone breccia; 1/4" seam wolframite at plus or minus 70° at 175'; calcite, disseminated sulfide; fluor.
176	180	Grey marmorized limestone; slight mineral except 177'-178' where is kaolin, slicken, arsenopyrite, pyrite, wolframite?
180	181.5	Chiefly fluorite or fluoritic limestone with minor arsenopyrite.
181.5	185.5	Marmorized limestone (fluoritic some places) alternating with kaolinized felspar dike stringers; apparently cutting hole at 35°; slicken and some breccia; disseminated arsenopyrite, pyrite; numerous calcite seams.

Table 44 - Log of diamond drill hole No. BM-28 (Cont.)

Feet From	To	Description
185.5	190	Tan fluoritized breccia; kaolin & calcite; small amounts of pyrite and arsenopyrite.
190	266	Light grey to white, finely crystalline to marmorized limestone; minor green fluorite-silicate stringers.
266	274	Soft, tan, altered, kaolinized, fluoritized dike; slicken and breccia in places; very little mineral.
274	279	Only 2" of core; same as above; seam with sparse, fine black mineral at 30° to hole.
279	285.5	Tan, chalky limestone and fluorite seams: possibly kaolin at 285.5'; black oxide coating; very little mineral.
285.5	351	Grey crystalline limestone; chalky and slightly mineralized with fine, disseminated sphalerite and wolframite at 290' to 295'; same at 316' to 319'.
1	356	Only 4" of core; light grey chalky limestone and fluorite; effervescent; cube fluorite in stringers.
356	357	White, kaolinized dike; soft but no gouge; barren.
357	362	No core.
362	363	No core.
363	368	10" of core; soft, crumbly, porous, chalky calcite, gouge; effervescent but considerable kaolin and fluorite; slightly mineralized.
368	373	No core.
3	378	15" of core; soft, white, clayey, kaolin; sparse arsenopyrite and disseminated fine, black mineral.
378	383	Same material, but more mineral; not as altered.
383	389	Same material, but more mineral; 1/8" seam wolframite at 389; harder, less altered; 30" of core.
389	395	15" of core; same as 383-389; also pyrite.
395	400	No core.
400	405	8" of core; altered kaolinized, white to grey coarse grained granite; green stains; abundant wolframite, arsenopyrite, pyrite, and brown to almost black, disseminated cassiterite.
405	411	No core.
411	417	Hard, grey granite with moderate disseminated galena, sphalerite, arsenopyrite, pyrite and wolframite.
417	422	Same granite, kaolinized at 422; possibly more mineral.
422	427.5	No core.
427.5	432	No core.
432	437	4" of core; hard grey granite, green chloritic spots; little sulfide mineralization.
437	442	Same granite.
442	447	18" of core; rough altered kaolinized granite; grey slightly mineralized, pyrite sulfides.
447	453	Hard, grey, granite, some kaolinization of felspars sparse mineral.