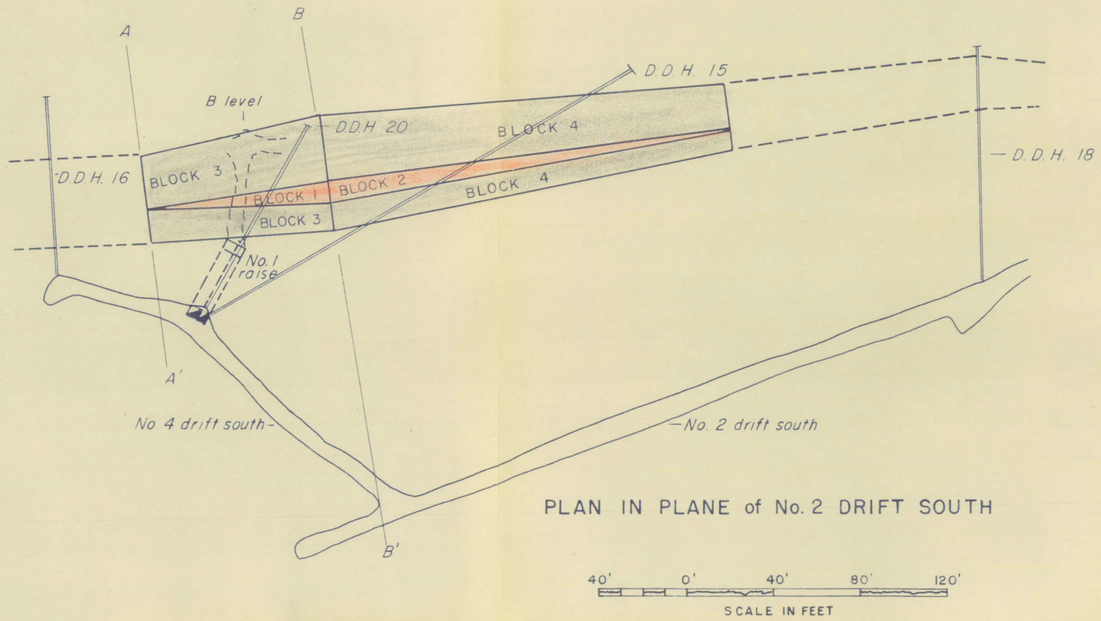
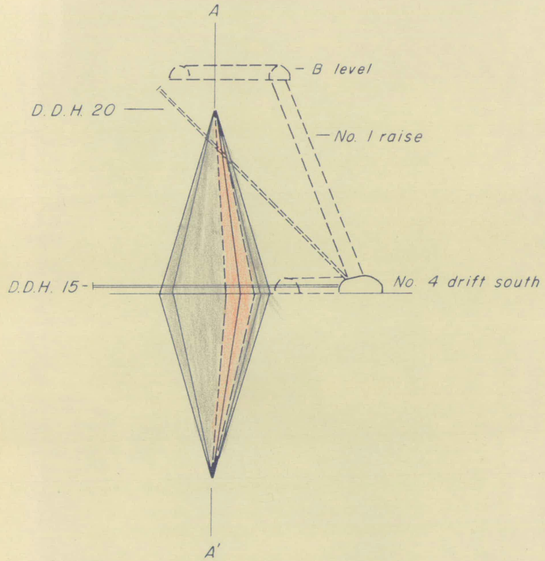
Estimated Reserves:

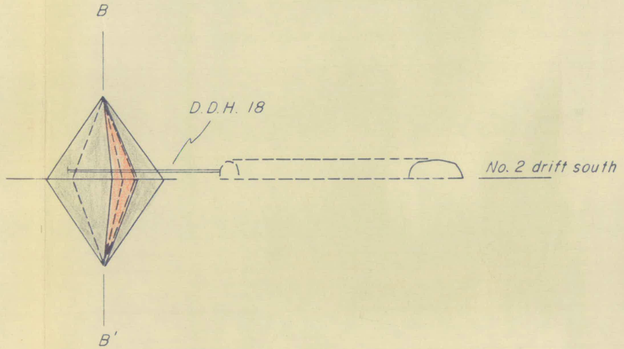
Blocks 1 & 2:	14,625	Tons,	Aver.	Grade	0.217	oz.Au/Ton,	2.11	Sb
Blocks 3 & 4:	42,605	"	"	"	0.190	" "	"	0.42 Sb
Total	57,230	"	"	"	0.197	" "	"	0.85 Sb



PLAN IN PLANE of No. 2 DRIFT SOUTH



VERTICAL SECTION THRU BLOCKS 1 & 3



VERTICAL SECTION THRU BLOCKS 2 & 4

DIAGRAMATIC SKETCHES

of indicated low-grade ore reserve blocks at south end of D.M.E.A. project workings.

J.D.B. 4/30/'56

Plate 5

~~SHEET 8~~

RECEIVED
JUL 2 - 1956

YELLOW PINE MINE
Stibnite, Idaho

COORDINATES: 23,612.5 N
19,723.2 E

ELEVATION: 6,632.6

DIAMOND DRILL HOLE NO. DDA - 1

RECEIVED
JUL 2 - 1956

BEARING: N 2° 54' W

INCLINATION: Plus 2°

Page No. 1 of 4

Footage	Mineralogy	% Recovery	% WO3	Oz. Au	% Sb	Size Core
0 - 5	Fresh biotite granite	35				Bx
5 -10	Fresh biotite granite, chlorite along fractures, 5% aplite	80				Bx
10 - 15	Mainly fresh aplite, some fresh granite	60	Nil	Tr	.03	Ax
15 - 20	Fresh biotite granite, 25% aplite	70	Nil	.005	.02	Ax
20 - 25	Fresh biotite granite, chlorite along fractures	80	Nil	Tr	.03	Ax
25 - 30	Fresh biotite granite, chlorite along fractures, 5% aplite	80	Nil	Tr	.02	Ax
30 - 35	Fresh biotite granite	95	Nil	Tr	.04	Ax
35- 40	Fresh biotite granite	45	Nil	Tr	.03	Ax
40 - 45	Fresh biotite granite, 20% aplite	45	Nil	Tr	.08	Ax
45 - 50	Fresh biotite granite	45	Nil	Tr	.04	Ax
50 - 55	Fresh biotite granite, 20% aplite	50	Nil	Tr	.03	Ax
55 - 60	70% fresh aplite, 30% fresh granite	30	Nil	.005	.06	Ax
60 - 65	Fresh biotite granite, 10% aplite	35	Nil	Tr	.03	Ax
65 - 70	Fresh biotite granite, 10% aplite, fine grained pyrite at 68'	70	Nil	Tr	.03	Ax
70 - 75	Fresh biotite granite	55	Nil	Tr	.03	Ax
75 - 80	Biotite granite, some brecciation	50	Nil	Tr	.04	Ax
80 - 85	Biotite granite, some brecciation, fine grained sulfides (mainly pyrite) in seams	85	Nil	.005	.04	Ax
85 - 90	Biotite granite, some brecciation	5	Nil	.005	.04	Ax
90 - 95	Biotite granite, some brecciation	8	Nil	Tr	.04	Ax
95 - 100	Biotite granite, some brecciation, fine grained sulfides (mainly pyrite) in seams	10	Nil	.010	.05	Ax
100-105	Biotite granite	15	.03	Tr	.05	Ax
105-110	Biotite granite	20	Tr	.005	.07	Ax
110-115	Biotite granite, minor brecciation	50	Nil	Tr	.11	Ax
115-120	Biotite granite, 20% aplite	60	Nil	Tr	.06	Ax

COORDINATES: 23,612.5 N

19,723.2 E

ELEVATION: 6,632.6

YELLOW PINE MINE
Stibnite, Idaho

DIAMOND DRILL HOLE NO. DMA - 1

BEARING: N 2° 54' W

INCLINATION: Plus 2°

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Mo	Size Core
120-125	Biotite granite	85	Nil	.005	.10	Ax
125-130	Biotite granite, 10% aplite	65	Nil	.010	.06	Ax
130-135	Biotite granite	90	Nil	Tr	.04	Ax
135-140	Biotite granite, 10% aplite, few sulfides	80	Nil	Tr	.05	Ax
140-145	Biotite granite	80	Nil	Tr	.05	Ax
145-150	Biotite granite, 10% aplite	45	Nil	.010	.06	Ax
150-155	Fresh aplite, very little granite	75	Nil	Tr	.05	Ax
155-160	Fresh biotite granite	55	Nil	.010	.04	Ax
160-165	Fresh biotite granite	75	Nil	.005	.02	Ax
165-170	Fresh biotite granite, some brecciation at 170', few sulfides	45	Nil	Tr	.02	Ax
170-175	Granite, brecciated. Sulfides in stringers - Mainly pyrite	50	Nil	Tr	.03	Ax
175-180	Aplite, some granite	7	Nil	Tr	.06	Ax
180-185	Aplite, some granite	25	Nil	.010	.01	Ax
185-190	Fresh granite, some aplite	50	Nil	Tr	.02	Ax
190-195	Fresh biotite granite	30	Nil	.010	.06	Ax
195-200	Fresh biotite granite, aplite from 198-200'	55	Nil	.020	.05	Ax
200-205	Fresh biotite granite, 10% aplite	60	Nil	.005	.07	Ax
205-210	Fresh biotite granite	25	Tr	Tr	.06	Ax
210-215	Fresh biotite granite, 5% aplite	65	Nil	.005	.08	Ax
215-220	Fresh biotite granite	30	Nil	Tr	.03	Ax
220-225	Fresh biotite granite	50	Nil	Tr	.03	Ax
225-230	Fresh biotite granite. Few fine grained sulfides at 229'	90	Nil	Tr	.03	Ax
230-235	Fresh biotite granite	85	Nil	.005	.04	Ax
235-240	Fresh biotite granite	95	Nil	.020	.24	Ax
240-245	Fresh biotite granite	40	Nil	Tr	.06	Ax
245-250	Fresh biotite granite, brecciated from 247 to 249'	95	Nil	Tr	.03	Ax
250-255	Fresh biotite granite, 50% aplite	10	Nil	Tr	.04	Ax
255-260	Fresh biotite granite, 50% aplite	10	Nil	Tr	.07	Ax
260-265	Fresh biotite granite,	15	Nil	Tr	.03	Ax
265-270	Fresh biotite granite	15	Nil	.005	.03	Ax
270-275	Fresh biotite granite	12	Nil	Tr	.04	Ax

YELLOW PINE MINE
Stibnite, Idaho

DIAMOND DRILL HOLE NO. DMA - 1

COORDINATES: 23,612.5 N
19,723.2 E

ELEVATION: 6,632.6

BEARING: N 2° 54' W

INCLINATION: Plus 2°

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Size Core
275-280	Fresh biotite granite	12	Nil	Tr	.02	Ex
280-285	Fresh biotite granite, 30% aplite	25	Nil	Tr	.03	Ex
285-290	Fresh biotite granite	25	Nil	.010	.06	Ex
290-295	Fresh biotite granite, 10% aplite	40	Tr	.005	.03	Ex
295-300	Fresh biotite granite	40	Tr	.005	.03	Ex
300-305	Fresh biotite granite	7	Nil	Tr	.04	Ex
305-310	Fresh biotite granite	7	Nil	Tr	.03	Ex
310-315	Fresh biotite granite	25	Nil	Tr	.04	Ex
315-320	Fresh biotite granite, 25% aplite	30	Nil	Tr	.05	Ex
320-325	Fresh biotite granite	17	Nil	.005	.03	Ex
325-330	Fresh biotite granite	17	Nil	.005	.03	Ex
330-335	Fresh biotite granite and aplite	3	Nil	.005	.15	Ex
335-340	Fresh biotite granite and aplite	3	Nil	.015	.12	Ex
340-345	Fresh biotite granite, 25% aplite	10	Nil	.005	.05	Ex
345-350	Fresh biotite granite, 25% aplite	10	Nil	.010	.37	Ex
350-355	Fresh biotite granite	12	Nil	Tr	.06	Ex
355-360	Fresh biotite granite, 10% aplite	14	Nil	.005	.02	Ex
360-365	Fresh biotite granite, 10% aplite	20	Nil	.005	.03	Ex
365-370	Fresh biotite granite, 10% aplite	20	Nil	Tr	.04	Ex
370-375	Fresh biotite granite, 10% aplite	20	Nil	Tr	.10	Ex
375-380	Fresh biotite granite	20	Nil	Tr	.13	Ex
380-385	Fresh biotite granite	10	Nil	Tr	.02	Ex
385-390	Fresh biotite granite	10	Nil	Tr	.02	Ex
390-395	Fresh biotite granite	25	Nil	.005	.03	Ex
395-400	Fresh biotite granite	25	Tr	.060	.03	Ex

End of hole at 400 ft.

Note: All assays are sludge assays. Trace and nil values of WO_3 determined by lamping; numerical values determined by assay. All core and sludges lamped.

DRILLER'S NOTES

Date Start: 9/10/52
Finish: 10/1/52

Driller: Manning
Helper: Barkell

DIAMOND DRILL HOLE NO. DMM - 1

Footage	Remarks
0 - 10	Collared in fairly hard aplite. Good core recovery, milky sludge.
10 - 25	Very broken. 50% core recovery, milky sludge.
25 - 30	Harder rock. 95% core recovery, milky sludge.
30 - 35	Very hard rock. 100% core recovery.
35 - 40	Very hard and broken. 40% core recovery, milky sludge.
40 - 60	Softer rock with hard streaks. 25% core recovery.
60 - 65	Very soft and broken with hard streaks. Milky sludge.
65 - 70	Rock harder and fractured. 75% core recovery, milky sludge.
70 - 75	Soft rock with hard streaks, very broken. 60% core recovery, milky sludge.
75 - 80	Soft and broken rock. 60% core recovery, milky blue sludge.
80 - 85	Hard and broken rock. 95% core, milky blue sludge.
85 - 100	Very soft and caving. No core, milky blue sludge.
100-110	Soft and caving. 10% core, milky sludge.
110-120	Harder and broken rock. 60% core recovery, milky sludge.
120-135	Very hard rock. 85% core recovery, milky sludge.
135-140	Very hard rock. 90% core recovery, milky blue sludge. Hole caving, lots of sludge.
140-145	Hard and broken granite. 90% core recovery, milky blue sludge.
145-150	Medium hard, broken granite. 40% core recovery, milky sludge.
150-160	Very hard, broken granite. 70% core recovery, milky sludge.

Driller's Notes - page 2

160-161	Core blocked. Very hard and broken.
161-165	Hard granite. 90% core recovery, milky sludge.
165-170	Softer rock, some sulfides. 50% core recovery, blue-grey sludge.
170-175	Soft and broken rock. 40% core recovery, bluish sludge.
175-185	Soft and broken rock. 5 - 10% core recovery, grey sludge.
185-190	Harder rock. 50% core recovery, grey sludge.
190-192	Fairly hard, broken rock. Core blocked. 30% core recovery, milky sludge.
192-195	Fairly hard rock. 1% core; ground core.
195-196	Hard rock, core blocked. 1% core recovery, milky sludge.
196-198	Hard rock. 80% core recovery, milky sludge.
198-200	Hard rock, core blocked. No core recovery, milky sludge.
200-205	Medium hard, broken rock. 60% core recovery, milky sludge.
205-209	Soft rock with hard broken streaks. 30% core recovery, milky sludge. Core blocked.
209-215	Hard rock with soft streaks. 65% core recovery, milky sludge.
215-220	Hard rock with soft streaks. 25% core recovery, milky sludge.
220-240	Medium hard rock. 100% core, grey sludge.
240-245	Softer rock. 40% core recovery, blue sludge, some gouge.
245-250	Medium soft rock. 95% core recovery, grey sludge.
250-280	Very soft rock, with gouge. 0-5% core recovery, blue-grey sludge.
280-310	Soft and broken rock. 5-30% core recovery, grey sludge.
310-313	Medium hard rock, with gouge. 35% core recovery, milky grey sludge.
313-318	Extremely hard rock. 30% core recovery, milky grey sludge.

318-330	Soft rock with hard streaks. 15% core recovery, milky grey sludge.
330-340	Very soft, gouge. No core, blue-grey sludge.
340-350	Soft and broken rock. No core recovery, grey sludge.
350-352	Core blocked.
352-360	Soft and broken rock. 5% core recovery, milky grey sludge.
360-370	Soft and broken rock. 20% core recovery, milky grey sludge.
370-390	Soft and gouey rock. 20% core, grey sludge.
390-400	Soft and gouey rock. 40% core, grey sludge.
	End of hole

RECEIVED
JUL 2 - 1956

COORDINATES: 23,609.6 N
19,712.1 E

ELEVATION: 6,532.9

YELLOW PINE MINE
Stibnite, Idaho

DIAMOND DRILL HOLE NO. DDH 2

BEARING: N 89° 00' E

INCLINATION: Plus 2°

Page No. 1

Footage	Mineralogy	% Recovery	% SO_3	Oz. Au	% Sb	Size Core
0 - 5	Fresh biotite granite, 10% aplite. Chlorite along fractures.	80				Az
5 - 10	Fresh biotite granite. Chlorite along fractures.	60	Nil	Tr	.02	BX
10 - 15	" " " " "	20	Nil	Tr	.01	BX
15 - 20	Fresh aplite, 10% granite. Grade from 15 to 16'. Minor fine-grained pyrite in aplite.	25	Nil	Tr	.01	"
20 - 25	Fresh aplite, 20% granite	30	Nil	Tr	.02	"
25 - 30	Fresh biotite granite, chlorite along fractures.	35	Nil	Tr	.02	"
30 - 35	" " " " " "	50	Nil	Tr	.02	"
35 - 40	" " " to 37 ft. Lamprophyre dike to 40 ft.	50	Nil	.005	.01	"
40 - 45	Lamprophyre dike.	90	Nil	.010	.02	"
45 - 50	" "	10	Nil	.005	.02	"
50 - 55	Altered granite. Meadow Creek fault from 50 to 209 ft.	5	Nil	Tr	.04	"
55 - 60	Altered granite	6	Nil	Tr	.02	"
60 - 65	" "	4	Nil	Tr	.03	"
65 - 70	" " Some brecciation.	5	Nil	.005	.01	"
70 - 75	" " " "	5	Nil	.005	.03	"
75 - 80	" " " "	6	Nil	.005	.03	"
80 - 85	Altered, highly brecciated granite	50	Nil	.005	.02	"
85 - 90	" " " "	45	Nil	.010	.04	"
90 - 95	" " " "	35	Nil	.010	.04	"
95 -100	" " " "	25	Nil	.005	.03	"
100-105	" " " "	55	Nil	.005	.07	"
105-110	" " " "	70	Nil	.005	.07	"
110-115	" " " "	20	Nil	Tr	.05	"
115-120	" " " "	20	Nil	Tr	.04	"
120-125	" " " "	5	Nil	Tr	.03	"
125-130	" " " "	5	Nil	Tr	.01	"
130-135	" " " "	1	Nil	Tr	.02	"
135-140	" " " "	1	Nil	Tr	.03	"
140-145	No core	0	Nil	Tr	.02	"
145-150	No core	0	Nil	Tr	.02	"

COORDINATES: 23,609.6 N

19,712.1 W

ELEVATION: 6,632.9

YELLOW PINE MINE
Kellogg, Idaho

DIAMOND DRILL HOLE NO. DDH 2

BEARING: N 89° 00' W

INCLINATION: Plus 2°

Page No. 2

Footage	Mineralogy	% Recovery	% SO_2	% Au	% Sb	Core Size
150-155	No Core					
55-160	No Core	0	Nil	Tr	.02	Bx
160-165	altered, highly brecciated granite	0	Nil	Tr	.01	"
65-170	" " " "	9	Nil	Tr	.02	"
70-175	No Core	9	Nil	.005	.02	"
175-180	No Core	0	Nil	.005	.01	"
180-185	No Core	0	Nil	.005	.04	"
185-190	altered, highly brecciated granite	0	Nil	Tr	.03	Bx
190-195	No Core	1	Nil	.005	.03	"
195-200	No Core	0	Nil	Tr	.03	"
200-205	altered, highly brecciated granite	0	Tr	Tr	.04	"
205-210	" " " " to 209 ft.	5	Nil	Tr	.04	"
	Lamprophyre dike to 210 ft.					
210-215	Lamprophyre dike	5	Nil	.030	.03	"
215-220	" " , small strings are altered granite	8	Nil	Tr	.03	"
220-225	" " , altered granite from 223 to 224'	5	Nil	Tr	.03	"
225-230	" " , small stringers altered granite 225 to 226'	23	Nil	Tr	.04	"
230-235	" " to 232', fresh aplite and granite to 235'	25	Nil	.010	.04	"
235-240	Fresh biotite granite, some alteration 238 to 240'	12	Nil	.010	.05	"
240-245	Slightly altered granite	10	Nil	Tr	.05	"
245-249	" " " to 246'. Fresh biotite granite to 249'	3	Nil	Tr	.04	"
		30	Nil	.030	.04	"

End of hole at 249 feet

Note: All assays are sludge assays. Trace and Nil values of SO_2 determined by lamping. All core and sludges lamped.

DRILLER'S NOTES

Date Start: 10/3/52 Driller: Fanning

Finish: 10/15/52 Helper: Berkell

DIAMOND DRILL HOLE No. [illegible] - 2

Footage	Remarks
0 - 10	Good core recovery, milky sludge
10 - 35	Soft and broken rock. Poor core recovery, milky sludge
35 - 39	Rhyolite dike at approximately 37 feet. Fair core recovery, milky sludge
39 - 45	Rhyolite dike. Milky sludge, good core recovery
45 - 50	Rhyolite dike. Milky sludge, fair core recovery
50 - 70	Very soft rock. Very poor core recovery, milky sludge
70 - 90	Very soft rock. Very poor core recovery, blue to grey sludge. Hole caving at 75 feet.
90 -110	Very soft rock. Fair to poor core recovery, grey sludge. Hole caving at 75 feet.
110-120	Very soft and gouge rock. Poor core recovery, grey to white sludge.
120-190	Very soft and gouge rock. Very poor core recovery, large quantities white sludge -- hole washing. Cased to ex at 175 feet.
190-209	Very soft and gouge rock. Very poor core recovery, grey sludge. Hole making some water.
209-235	Lamprophyre dike and altered granite. Poor to fair core recovery. Sludge varies in color -- blue, grey and white. Apparently dike stringers with gouge and altered granite in between.
235-249	Fresh granite. Poor to fair core recovery, milky grey sludge.

End of Hole

RECEIVED
JUL 2 - 1956

COORDINATES: 23,406.0 N
19,844.6 E

ELEVATION: 6,653.2

YELLOW PINE MINE
Stibnite, Idaho

DIAMOND DRILL HOLE NO. DDH 2

BEARING: S 71° 10' W

INCLINATION: Plus 1½°

Page No. 1

Footage	Mineralogy	Recovery %	Sb %	Oz. Au	% Cu	Size Core
0 - 5	Collared in rhyolite dike. Rhyolite dike 0-5'	70	No Sludge			Bx
5 - 10	Rhyolite dike	70	No Sludge			"
10 - 15	Altered and brecciated granite. Meadow Creek Fault	50	Tr	Tr	.04	Bx
15 - 20	" " " " " " "	50	Nil	.005	.05	"
20 - 25	" " " " " " "	10	Nil	.005	.03	"
25 - 30	" " " " " " "	10	Nil	.005	.04	"
30 - 35	" " " " " " "	95	Nil	Tr	.03	"
35 - 40	" " " " " " "	95	Nil	Tr	.04	"
40 - 45	" " " " " " "	55	Nil	.005	.03	"
45 - 50	" " " " " " "	55	Nil	Tr	.04	"
50 - 55	" " " " " " "	50	Nil	Tr	.03	"
55 - 60	" " " " " " "	50	Nil	.005	.03	"
60 - 65	" " " " " " "	55	Tr	.005	.02	"
65 - 70	" " " " " " "	55	Nil	Tr	.03	"
70 - 75	" " " " " " "	8	Nil	.005	.02	"
75 - 80	" " " " " " "	8	Nil	.035	.04	"
80 - 85	" " " " " " "	25	Nil	Tr	.04	"
85 - 90	" " " " " " "	25	Nil	Tr	.03	"
90 - 95	" " " " " " "	5	Nil	Tr	.02	"
95 -100	" " " " " " "	5	Nil	.015	.02	"
100-105	" " " " " " "	20	Nil	Tr	.04	"
105-110	" " " " " " "	20	Nil	.015	.02	"
110-115	" " " " " " "	12	Nil	.010	.03	"
115-120	" " " " " " "	12	Nil	.015	.03	"
120-125	" " " " " " "	5	Nil	Tr	.05	"
125-130	" " " " " " "	5	Nil	Tr	.03	"
130-135	" " " " " " "	5	Nil	Tr	.03	"
135-140	" " " " " " "	5	Nil	Tr	.03	"
140-145	" " " " " " "	15	Nil	Tr	.03	"
145-150	" " " " " " "	15	Nil	Tr	.03	"

COORDINATES: 23,[illegible] N

19,646.6 E

ELEVATION: 6,533.3

[illegible] DRILL HOLE

BEARING: S 71° 10' [illegible]

INCLINATION: Plus 1[illegible]°

Page No. 2

Footage	Geology	Recovery	Mil	Au	Cu	Pb	Zn
150-155	altered and brecciated granite to 153'. Lamprophyre dike from 153 to 155'	2	Nil	Tr	.02		Tr
155-160	Lamprophyre dike	20	Tr	Tr	.01		"
160-165	Altered and brecciated granite	1	Nil	.005	.03		"
165-170	" " " "	2	Nil	Tr	.03		"
170-175	" " " "	2	Nil	Tr	.02		"
175-180	" " " "	2	Nil	Tr	.02		Tr
180-185	" " " "	2	Nil	Tr	.01		"
185-190	" " " "	2	Nil	Tr	.01		"
190-196	" " " "	6	Nil	Tr	.02		"

End of hole at 196 ft.

Note: All assays are sludge assays. Trace and nil values of SO_3 determined by lemping. All core and sludges lamped.

DRILLER'S NOTES

Date Start: 10/17/52 Driller: Manning

Finish: 10/23/52 Helper: Carroll

DIAMOND DRILL HOLE NO. DDH - 3

Footage	Remarks
0 - 10	Rhyolite dike. Good core recovery, milky sludge
10 - 20	Altered granite. Good core recovery, milky sludge
20 - 30	Very soft altered granite. Poor core recovery, grey sludge
30 - 40	Soft and broken altered granite. Excellent core recovery, milky to blue-grey sludge
40 - 70	Soft and broken rock, with gouge. Good core recovery, grey to milky sludge
70 - 154	Very soft and gouge rock. Poor core recovery, milky sludge
154-160	Lamprophyre dike at 154 ft. Core blocked. Fair core recovery, milky sludge. Hole caving and washing from 130 to 140 ft.
160-180	Fault. Practically no core recovery, milky sludge. Hole caving badly from 145 feet. Cased Ex to 150 feet.
180-190	Soft altered granite. Very little core recovery, milky sludge. Hole making water, silted in from 70 feet on.
190-196	Fault -- soft altered granite. Poor core recovery, milky sludge. Hole caved in completely at 155 feet.

End of Hole

COORDINATES: 23,007.0 N
19,727.9 E

ELEVATION: 6,632.4

YELLOW PINE MINE
Stibnite, Idaho

DIAMOND DRILL HOLE NO. DMA 4

BEARING: N 87° 00' E

INCLINATION: Minus 54°

Page No. 1

Footage	Mineralogy	Recovery %	Wt	Oz. Au	% Sb	Size Core
0 - 5	Fresh granite	30	Nil	No sludge		Bx
5 - 10	" "	30	Nil	No sludge		Bx
10 - 15	" "	35	Nil	Tr	.02	Bx
15 - 20	" " to 18'. aplite to 20'	35	Nil	Tr	.03	"
20 - 25	" "	50	Nil	.005	.03	"
25 - 30	" "	15	Nil	Tr	.02	"
30 - 35	" " to 33'. aplite to 35'	55	Nil	Tr	.02	"
35- 40	aplite; minor granite	40	Nil	Tr	.03	"
40 - 45	" " "	50	Nil	.010	.02	"
45 - 50	" " "	30	Nil	.005	.10	"
50 - 55	altered granite, minor mineralization	50	Nil	.005	.04	"
55 - 60	" " some brecciation, minor mineralization	75	Nil	.015	.08	"
60 - 65	" " some aplite to 63', heavily brecciated 63-65'	60	Nil	.005	.06	"
65 - 70	Heavily brecciated with dark grey matrix to 67, altered granite with dense, hard, siliceous, dark grey seams to 70'	95	Nil	.005	.60	"
70 - 75	altered granite with some brecciation. Several siliceous dark grey seams	80	Nil	.015	.06	"
75 - 80	altered granite with some brecciation. Several siliceous dark grey seams	35	Nil	.015	.06	"
80 - 85	Broken, altered granite	25	Nil	Tr	.04	"
85 - 90	Broken, altered granite and aplite	35	Nil	Tr	.03	Bx
90 - 95	" " "	25	Nil	.010	.03	"
95 -100	" " " some brecciation	30	Nil	.005	.04	"
100-105	" " "	12	Nil	.005	.03	"
105-110	" " "	12	Nil	.015	.03	"
110-115	" " "	8	Nil	Tr	.04	"
115-120	" " "	5	Nil	Tr	.04	"
120-125	Fresh granite	65	Nil	Tr	.05	"

COORDINATES: 21,607.0 N
19,727.9 E
ELEVATION: 6,532.4

YELLOW PINE MINE
Stibnite, Idaho

DIAMOND DRILL HOLE NO. DDA 4

BEARING: N 87° 00' E
INCLINATION: Minus 54°

Footage	Mineralogy	% Recovery	% WO3	Oz. Au	% Sb	Size Core
125-130	Fresh granite, minor aplite	65	Nil	Tr	.07	BX
130-135	" "	20	Nil	Tr	.65	"
135-140	Aplite, some fresh granite	20	Nil	Tr	.03	"
140-145	Aplite and fresh granite	55	Tr	Tr	.04	"
145-150	" " " "	55	Tr	Tr	.04	"
150-155	Granite; some brecciation	15	Nil	Tr	.56	"
155-160	Granite; aplite 159-160'; some brecciation	25	Nil	Tr	.05	"
160-165	Aplite; minor granite	30	Nil	Tr	.04	"
165-170	" " "	30	Nil	Tr	.03	"
170-175	Aplite	60	Nil	Tr	.04	"
175-180	Aplite. Minor granite 179-180'	60	Nil	Tr	.03	"
180-185	Granite; some brecciation	15	Nil	Tr	.03	"
185-190	" "	15	Nil	Tr	.03	"
190-195	Fresh granite	20	Nil	Tr	.03	"
195-200	" "	20	Nil	Tr	.04	"
200-205	Slightly altered granite	12	Nil	Tr	.04	"
205-210	" " "	12	Nil	Tr	.03	"
210-215	Fresh granite	30	Nil	Tr	.05	"
215-220	" "	30	Nil	Tr	.03	"
220-225	" " , some aplite	45	Nil	Tr	.03	"
225-230	" "	40	Nil	Tr	.05	"
230-235	" "	20	Nil	Tr	.05	"
235-240	" "	20	Nil	Tr	.03	"
240-245	" " Very fine-grained granite 241-243' and 244-245'	60	Nil	Tr	.05	"
245-250	" "	40	Nil	Tr	.05	"
250-255	" "	35	Nil	Tr	.03	"
255-260	" " ; Aplite 255-260'	55	Nil	Tr	.04	"
260-265	" "	20	Nil	Tr	.04	"
265-270	" "	25	Nil	Tr	.03	"
270-275	Aplite and fine-grained granite	15	Nil	Tr	.02	"
275-280	" " " " "	15	Nil	Tr	.05	"
280-285	Slightly altered granite	20	Nil	Tr	.04	"
285-290	" " ; minor aplite	25	Nil	Tr	.04	"

COORDINATES: 23,607.0 N
19,727.9 E

ELEVATION: 6,632.4

YELLOW JACKET
Yellowite, Idaho

DIAMOND DRILL HOLE NO. DDH 4

BEARING: N 67° 00' E

INCLINATION: Minus 54°

Page No. 3

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Size Core
290-292	Aplite and granite. Minor sulfides	15	Nil	.005	.03	BX
292-295	Fresh granite	10	Nil	Tr	.02	"

End of hole at 295 feet.

Note: All assays are sludge assays. Trace and Nil values of WO_3 determined by lamping. All core and sludges lamped.

DRILLER'S NOTES

Date Start: 10/31/52 Driller: Manning
Finish: 11/20/52 Helper: Berkell

Diamond Drill Hole No. DDH 4

Footage	Remarks
0 - 10	Fair core recovery, very broken fresh granite, no sludge saved. Cased to 8x.
10 - 25	Fair core recovery, mainly fresh granite, very broken. Milky sludge.
25 - 30	Poor core recovery, very broken granite, milky sludge.
30 - 35	Good core recovery. Very hard and brittle granite and aplite, milky sludge. Core blocked at 34 ft.
35 - 47	Fair core recovery. Very hard stringers, milky sludge.
47 - 50	Much softer, sludge turned blue-grey; gouge.
50 - 55	Fair core recovery. Medium hard, milky sludge.
55 - 75	Good core recovery, hard altered granite, blue sludge.
75 - 85	Fair core recovery. Soft rock, with gouge. Grey to milky sludge. Cased to 8x at 85 ft.
85 -110	Very poor core recovery. Soft and gouey rock, blue to grey sludge. Caving at 103 ft.
110-112	Gouge. Hole caved; cemented.
112-120	No core recovery. Gouge, grey sludge.
120-130	Good core recovery. Medium hard granite, milky grey sludge.
130-140	Poor core recovery. Soft and broken granite, milky grey sludge.
140-150	Fair core recovery. Medium hard and broken rock, milky grey sludge.
150-170	Poor core recovery. Very soft and gouey, milky grey sludge.
170-180	Good core recovery. Medium hard granite, milky sludge.
180-210	Poor core recovery. Soft and gouey granite, milky sludge. Hole caving at 100 and 190 feet.
210-220	Fair core recovery. Fresh granite, milky grey sludge. Hole caving badly; cemented.

Footage	Remarks
220-230	Good core recovery. Fresh granite with some gouge. Milky grey sludge.
230-240	Poor core recovery. Very broken and gouey, milky blue and grey sludge. Hole caving, sand in bottom.
240-245	Very good core recovery. Fresh granite, blue and grey sludge. Hole caving.
245-255	Fair core recovery. Medium soft and gouey fresh granite. Milky grey sludge.
255-270	Good core recovery. Medium hard fresh granite, milky sludge.
270-280	Poor core recovery, milky sludge. Lost some core when rods were pulled. Sand in hole.
280-290	Fair core recovery. Fresh granite, milky sludge.
290-296	Poor to fair core recovery. Fresh granite, milky sludge.

End of hole

TAMPA MINING
Salmon, Idaho

COORDINATES: 23,209.1 N
20,365.3 E
ELEV. TOP: 6,630.5

DIAMOND DRILL HOLE No. DDA 5

RECEIVED
JUL 2 - 1956

BEARING: S 79° 30' W
INCLINATION: Plus 3°
Page No. 1

Footage	Mineralogy	% Recovery	% FeS	Oz. Au	% Sb	Size Core
0 - 5	altered granite. Very few visible sulfides	40	No	Sludge		Bx
5 - 10	" " " " " "	40	"	"		"
10-15	" " " " " "	50	Nil	.005	.06	Bx
15-20	" " " " " "	50	"	.020	.08	"
20-25	" " " " " "	35	"	.075	.10	"
25-30	Fresh granite	35	"	.025	.05	"
30-35	Mainly fresh granite; some alteration 33-34'	35	"	.005	.04	"
35-40	Fresh granite	35	"	Tr	.03	"
40-45	" "	25	"	.015	.04	"
45-50	" " , aplite 49-50'	15	"	.020	.04	"
50-55	Aplite 50-51'; fresh granite to 55'	30	"	.010	.04	"
55-60	Fresh granite. Small seam sulfides at 59'.	30	"	.005	.04	"
60-65	" "	60	"	Tr	.03	"
65-70	" "	60	"	.015	.04	"
70-75	" "	95	"	.010	.07	"
75-80	" " , altered 77-78'	95	Tr	.005	.08	"
80-85	" " , altered 81-83'	45	Nil	Tr	.03	"
85-90	" "	45	"	Tr	.03	"
90-95	" "	55	"	Tr	.06	"
95-100	" "	55	"	.005	.04	"
100-105	" "	15	"	Tr	.04	"
105-110	" " , some sulfides at 110'	25	"	.005	.06	"
110-115	Altered granite to 114'; fresh granite to 115'	70	"	Tr	.07	"
115-120	Fresh granite. Aplite 116-117'	70	"	Tr	.04	"
120-125	120-122' Fresh aplite, 122-124' altered granite and fresh aplite, 124-125' sulfides in fractures	75	"	.020	.03	"
125-130	Fresh granite	75	"	Tr	.04	"

TAYLOR FERS MINE
Shoshone, Idaho

COORDINATES: 33,299.1 E
20,355.3 N

BEARING: S 79° 30' W

DECLINATION: Plus 3°

DIAMOND DRILL HOLE NO. DDH 9

ELEVATION: 6,530.9

Page No. 2

Footage	Mineralogy	% Recovery	% WO3	oz. Au	% Sb	Size Core
130-135	altered and fractured granite, sulfides in fractures	60	Nil	.035	.03	AX
135-140	Fresh granite (aplite between 135-137)	70	"	.015	.04	"
140-145	140-142 fresh granite; 142-145 mostly aplite; some altered granite	65	"	.005	.04	"
		65	"	Tr	.02	"
145-150	Aplite	95	"	.005	.03	"
150-155	150-152 aplite and altered granite; sulphides at 153, fractured to 155	95	"	Tr	.01	"
155-160	Fresh granite	3	"	.005	.03	AX
160-165	" "	3	"	.005	.06	"
165-170	" "	24	"	.005	.04	"
170-175	170-173 granite and aplite, 173-175' aplite	24	"	.005	.07	"
175-180	Altered granite	4	"	Tr	.07	"
180-185	" "	6	"	.005	.04	"
185-190	" "	8	"	.005	.02	"
190-195	" "	8	"	.015	.02	"
195-200	" "					
200-205	Highly fractured and altered granite with sulphides, specks of pyrite	95	"	.015	.05	"
205-210	altered granite and aplite to 207, aplite to 208, 208-210' altered granite	95	"	.020	.03	"
210-215	210-214' aplite, 214-215 altered granite and aplite	98	"	Tr	.03	"
215-220	aplite, some altered granite with sulphides in fractures at 218	98	"	.010	.03	"
220-225	altered granite and aplite, sulphides at 215, fractured and sheared from 223-225	95	"	.010	.06	"
225-230	fractured and brecciated aplite, mineralized in places	95	"	.005	.03	"
230-235	Brecciated granite, sulphides in fractures	75	"	.020	.06	"

Yellow Pine Mine
Stibnite, Idaho

RECEIVED
JUL 2 - 1956

COORDINATES: 23,200.1 S — AZIMUTH: S 75° 30' E

29,365.3 E — DIAMOND DRILL HOLE NO. DDH 5 — INCLINATION: Plus 3°

ELEVATION: 6,630.5 — Page No. 3

Footage	Lithology	% Recovery	% WO_3	oz. Au	% Sb	Size Core
235-240	Brecciated and altered granite	75	Nil	.020	.07	AX
240-245	Granite, somewhat altered and brecciated	38	"	.015	.08	"
245-250	245-247' brecciated granite and aplite, 247-250' fractured granite with sulphides in fractures	38	"	.015	.04	"
250-255	Brecciated granite; sulphides in fractures, especially at 254'	92	"	.010	.08	"
255-260	255-257' altered and fractured granite, sulphides in fractures; 257-260' brecciated and altered granite and aplite	98	"	Tr	.11	"
260-265	Altered granite, brecciated, sulphides in fractures 265'	72	"	.005	.03	"
265-270	Altered and fractured granite	72	"	.005	.04	"
270-275	Brecciated granite, some sulphides	[illegible]	"	.005	.04	"
275-280	Fractured granite	5	"	Tr	.01	"
280-285	Granite and aplite	45	"	.005	.06	"
285-290	Altered granite to 287'; 287-290' fresh granite	49	"	.005	.02	"
290-295	Altered granite	95	"	.010	.07	"
295-300	Altered granite	95	"	.010	.07	"
300-305	Granite	90	"	.005	.02	"
305-310	Granite, fresh	30	"	.015	.04	"
310-315	" "	30	"	Tr	Tr	"
315-320	"	98	"	.010	.03	"
320-325	Granite, aplite at 323'	95	"	Tr	.03	"
325-330	Granite to 326'; aplite from 326-330'	80	"	.005	.03	"
330-335	330-333 aplite, 333-335 granite	50	"	Tr	.02	"
335-340	Granite	70	"	Tr	.04	"
340-345	Granite and aplite	70	"	Tr	.03	"

End of hole at 345 ft.

Note: All assays are sludge assays. Trace and Nil values of WO_3 determined by keeping. All core and sludges lost.

Marshall Hill Shaft No. Hole-2

Driller's Notes

Date Start: 11/24/52
Finish: 5/13/53
(Drilling suspended from 11/30/52 to 5/3/53)

Driller: Gavin
Helper: Darnell

Footage	Remarks
0 -10	Fair core recovery, fresh granite. No sludge saved. Cased to 11 at 10 ft.
10-20	Fair core recovery, slightly altered granite, very broken. Milky sludge.
20-30	Fair core recovery, fresh granite, very soft with gouge. Hit large stream of water at 25 ft. Milky sludge.
30-39	Fair core recovery, fresh granite, medium soft with gouge streaks. Very broken. Milky sludge. Some caving at 35 ft.
39-50	Better poor core recovery. Fresh granite and aplite, very broken. Milky sludge.
50-60	Fair core recovery, broken fresh granite, milky sludge.
60-80	Good core recovery, broken fresh granite, milky sludge.
80-100	Fair core recovery, broken fresh granite and aplite, milky sludge.
100-110	Very poor recovery, soft and broken fresh granite and aplite, milky sludge.
110-119	Good core recovery, harder and very broken fresh granite and aplite, a little altered granite. Milky sludge.
119-130	Very poor core recovery. Medium hard broken granite and aplite, a little altered granite. Milky sludge. Hit another stream of water; hole is making lots of water.
130-137	Poor core recovery, granite and aplite, hard rock -- core blocked, ground up some core. Milky sludge.
137-140	Very good core recovery, granite and aplite, milky sludge.
140-160	Good core recovery, fresh granite, milky grey sludge. Cased to 11 at 160 ft.
160-170	So core recovery, very soft. Milky grey sludge.
170-180	Poor core recovery, very soft granite. Milky grey sludge.
180-190	Very poor core recovery, very soft and gouge. Milky grey sludge.

DDH-5 Driller's Notes - page 3

Footage	Remarks
190-200	Practically no core recovery, soft, aplite, milky gray sludge.
200-201	Very good core recovery. Soft aplite with sulfides. Milky blue sludge.
201-210	Very good core recovery. Aplite and sulfides at 207 ft. Light blue to light gray sludge. Hit water course.
210-220	Very good core recovery. Some sulfides, mostly aplite. Light gray sludge. Lots of water.
220-223	Very good core recovery. Course. Gray sludge. Core blocked. Hole taking more water.
223-231	Very good core recovery. Altered granite and aplite, hard. Milky sludge, few sulfides.
231-240	Very good core recovery. Some sulfides and some gouge. Milky blue sludge.
240-250	Fair core recovery. Aplite, fresh granite, altered granite, some sulfides. Milky and light blue sludge.
250-260	Excellent core recovery. Aplite and altered granite, may be some sulfides. Milky blue sludge. Hole is caving from 240 to 250 feet.
260-270	Good core recovery. Aplite and altered granite. Milky blue sludge.
270-280	Practically no core recovery. Soft. Milky sludge.
280-306	Fair to excellent core recovery. Aplite and fresh granite. Milky sludge.
306-316	Fair core recovery. Fresh granite. Milky sludge. Some gouge streaks. Has partially blocked so must have ground up some core.
316-345	Good to excellent core recovery. Fresh granite. Milky sludge.

End of hole

Tailing Pond Site
Orlbaire, Italy

CORRECTED TEST: 23,296.4 ft

20,178.1 ft

SLANTED DRILL HOLE NO. DDH 6

BEARING: S 23° 10' E

INCLINATION: Minus 1°

ELEVATION: 6,030.3

Page No. 1

Footage	Mineralogy	% Recovery	% Mo	oz. Au	% Cu	Size core
0 - 5	Altered granite; brecciated at 2' and 5', sulphides in fractures	65		Fe sludge		3x
5 - 10	Granite, sulfides at 10' in fracture	65		Fe sludge		"
10-15	Altered and fractured granite; sulfides in fractures	60	Nil	.025	.05	AX
15-20	Altered and fractured granite; sulfides in fractures	60	"	.005	.01	"
20-25	Brecciated and altered granite, sulfides in fractures	20	"	.005	.04	"
25-30	Aplite, sulfides in fractures	20	"	.005	.04	"
30-35	Altered and brecciated granite and aplite; sulfides in fractures	30	"	Tr	.04	"
35-40	Altered and brecciated granite and aplite; sulfides in fractures	30	"	.045	.04	"
40-45	Altered and brecciated granite and aplite; sulfides in fractures	20	"	.035	.05	"
45-50	Altered and brecciated granite and aplite; sulfides in fractures	20	"	.020	.10	"
50-55	Aplite to 53'; granite to 55'	28	"	.015	.04	"
55-60	Granite	75	"	.010	.03	"
60-65	Altered granite	90	"	.005	.17	"
65-70	" "	95	"	.015	.01	"
70-75	Altered granite and aplite	95	"	Tr	.01	"
75-80	Aplite	90	"	Tr	.02	"
80-85	Altered granite	70	"	Tr	.01	"
85-90	Granite, fractures at 90'	70	"	Tr	.03	"
90-95	90-91' granite; aplite to 95'	75	"	Tr	.02	"
95-100	Altered granite	40	"	Tr	.02	"
100-105	Granite, brecciated	30	"	.005	.03	"
105-110	Aplite	60	"	Tr	.02	"
110-115	"	28	"	Tr	.02	"
115-120	" and altered granite	75	"	Tr	.03	"
120-125	"	68	"	.005	.04	"

Coordinates: 23,292.4 S

31,178.1

Elevation: 6,630.3

Bearing: S 23° 10' E

Inclination: Minus 1°

Hole No. 8

Footage	Lithology	% Recovery	% Cu	Oz. Ag	% Mo	Size Core
125-130	Aplite	60	.011	Tr	.03	AX
130-135	Aplite to 132'; 133-135' granite	33	"	Tr	.02	"
135-140	Granite	53	"	.005	.02	"
140-145	Granite	46	"	Tr	.04	"
145-150	Granite and aplite	50	"	Tr	.04	"
150-155	Aplite	16	"	Tr	.03	"
155-160	Granite, somewhat altered	40	"	.010	.02	"
160-165	Fractured and altered granite	54	"	.020	.03	"
165-170	Altered granite and aplite	50	"	.015	.04	"
170-175	Aplite	50	"	.015	.05	"
175-180	Granite	60	"	.010	.04	"
180-185	Granite, altered	70	"	.005	.01	"
185-190	Aplite	60	"	.015	.04	"
190-195	"	18	"	.010	.04	"
195-200	Altered granite	18	"	Tr	.04	"
200-205	" "	10	"	.010	.03	"
205-210	Granite	10	"	Tr	.02	"
210-215	No core	00	"	.010	.02	"
215-220	" "	00	"	.005	.03	"
220-225	Granite, altered	17	"	.005	.04	"
225-230	"	17	"	.010	.08	"
230-235	" "	20	"	.015	.03	"
235-240	" "	20	"	Tr	.03	"
240-245	Fine grained granite; 241-242 sulphides in ground-up core	53	"	.005	.04	"
245-250	Fine grained granite to 248'; altered granite to 250	27	"	Tr	.04	"
250-255	Altered granite	27	"	Tr	.03	"
255-260	Granite, 256-258' core crushed	28	"	.005	.04	AX
260-265	Aplite and altered granite	28	"	.005	.04	"
265-270	" " " "	28	"	.010	.05	"
270-275	Altered granite to 271'; fine grained granite to 276'; granite to 275'	60	"	.005	.03	"

[illegible] Mine Mine
Wilbur, Idaho

Coordinates: 23,295.4 S
20,170.1 E

Elevation: 6,630.3

Diamond Drill Hole No. DDH 6

Bearing: S 23° 10' E

Inclination: Minus 1°

Page No. 3

Footage	Mineralogy	Recovery	% WO3	Oz. Au	% Sn	Size Core
275-280	Granite	80	Nil	.005	.04	BX
280-285	Granite to 283'; aplite 283-285'	64	"	.010	.03	"
285-290	Altered granite and aplite	64	"	.016	.04	"
290-295	Altered granite; sulfides in fractures at 291'	30	"	.015	.03	"
295-300	Granite	30	"	Tr	.03	"
300-305	Granite and some fine grained granite	15	"	Tr	.03	"
305-310	" and aplite	15	"	.005	.04	"
310-315	"	9	"	Tr	.02	"
315-320	"	9	"	.019	.04	"
320-325	"	9	"	.015	.03	"
325-330	"	11	"	.025	.02	"
330-335	" , some aplite	11	"	.025	.04	
335-340	Aplite	8	"	.010	.07	"
340-345	"	8	"	.015	.05	"
345-350	"	8	"	Tr	.06	"

End of hole at 350 ft.

Note: All assays are sludge assays. Trace and Nil values of WO3 determined by panning. All core and sludges panned.

DDH-6 Driller's Notes - Page 2

Footage	Remarks
241-256	Fair to good core recovery. Fresh granite. Hole caving at 229 ft. Cased to 22 at 256 ft.
256-271	Rather poor core recovery. Fresh granite and aplite, very soft most of run. Grey sludge.
271-289	Good core recovery. Hard and broken fresh granite, very little gouge. Milky-grey ~~gouge~~ sludge.
289-315	Poor core recovery. Fresh granite, more gouge. Milky-grey sludge.
315-350	Poor core recovery. Fresh granite, some aplite and gouge. Milky sludge.
	End of hole.

[illegible] DRILL HOLE NO. DMA-6

Driller's Notes

Date Start: 5/25/53 Driller: Manning

Finish: 5/27/53 Helper: Parnell

Footage	Remarks
0 - 10	Very good core recovery. Fresh and slightly altered granite. Milky sludge. Cased to 8A at 10 ft.
10-21	Fair core recovery. Mostly altered granite; rock is gretter softer. Bluish-grey sludge.
21-31	Fair core recovery. Altered granite and quartz. Blue-grey sludge.
31-41	Poor core recovery. Granite crs; very soft. Blue-grey sludge.
41-51	Poor core recovery. Altered granite. Blue-grey sludge.
51-58	Good core recovery. Harder, aplite and fresh granite. Milky sludge.
58-82	Very good core recovery. Very hard fresh granite, some aplite. Milky sludge.
82-101	Good core recovery. Fresh granite and aplite, harder. Milky sludge.
101-107	Poor core recovery. Fresh granite and aplite; very soft with rough seams. Grey sludge.
107-115	Poor to good core recovery. Aplite and gouge. Grey sludge.
115-131	Poor to good core recovery. Hard aplite. Milky sludge. Core blocked several times.
131-141	Fair core recovery. Fresh granite; softer. Grey sludge.
141-149	Fair core recovery. Fresh granite and aplite. Milky sludge.
149-161	Poor core recovery. Aplite and gouge. Poor sludge.
161-190	Fair to good core recovery. Fresh granite. Milky-grey sludge.
190-211	Very poor core recovery. Fresh granite and gouge. Milky-grey sludge.
211-221	No core recovery. Pale and gouge. Milky-grey sludge.
221-241	Poor core recovery. Slightly altered granite and gouge. Blue-grey sludge.

COORDINATES: 82,363.8 N
17,645.5 E
ELEVATION: 6,459.4

TRACE ELEVATION
Bulaite, Idaho

DIAMOND DRILL HOLE NO. DH-7

BEARING: N 89° 19' E
INCLINATION: Horizontal
Page No. 1

Depth	Lithology	% Recovery	% RQD	Cu. %	Ag oz	Size Core
0 - 5	Altered granite with specks of sulphides, black in cracks	66	511	.105	.02	EX
5 - 10	" " brecciated severely at 5 and 7'; specks of sulfides all along	95	"	.115	.07	"
10 - 15	Aplite with specks of sulfides, some altered granite. Brecciated at 12 & 14'	85	"	.120	.06	EX
15 - 20	Altered granite, brecciated at 15 and 19, sulfides in cracks all along	68	"	.220	.11	"
20 - 25	Altered and some brecciated granite, with plenty of sulfide specks.	75	"	.120	.06	"
25 - 30	25-26 aplite; 26-29 altered granite, 29-29 aplite; 29-30 altered granite	95	"	.340	.17	"
30 - 35	30-34 altered and brecciated granite with sulfide specks; 34-35 aplite	80	"	.045	.20	"
35 - 40	35-37 brecciated and altered granite (black cracks at 37); 37-40 aplite brecciated at 39	60	"	.045	.27	"
40 - 45	Aplite, brecciated and altered granite with sulfides at 42	52	"	.050	.07	"
45 - 50	Aplite, sulfide (black) in cracks	56	"	.055	.09	"
50 - 55	50-54 aplite, 54-55 altered brecciated granite with black specs	20	"	.040	.13	"

Diamond Drill Hole No. [illegible]-7 - continued

Footage	Lithology	% Recovery	% RQD	Oz./ton	$/ton	Time Date
225-230	225-227 aplite, 227-229 frost granite	94	81	.015	.52	[illegible]
230-235	Frost granite, [illegible] aplite	[illegible]	"	.005	.18	"
235-240	Frost granite and aplite	[illegible]	"	.015	.51	"
240-245	Frost aplite	[illegible]	"	[illegible]	.25	"
245-250	" "	[illegible]	"	[illegible]	.03	"
250-255	Frost granite	[illegible]	"	.020	.11	"
255-260	" "	[illegible]	"	.015	.07	"
260-265	" " , fractured	[illegible]	"	.020	.09	"
265-270	aplite, some frost granite	[illegible]	"	.015	.06	"
270-275	Frost granite	[illegible]	"	[illegible]	.30	"
275-280	" "	[illegible]	"	[illegible]	.20	"
280-285	" "	[illegible]	"	.004	.17	"
285-290	" "	[illegible]	"	.004	.21	"
290-295	" "	[illegible]	"	[illegible]	.55	"
295-300	" "	[illegible]	"	.045	.40	"
300-305	Gouge at 300', frost granite	[illegible]	"	[illegible]	.02	"
305-310	Frost granite	[illegible]	"	.005	.07	"
310-315	" "	[illegible]	"	.005	.15	"
315-320	" " , some aplite, altered granite at 320'	70	"	[illegible]	.04	"
320-325	" "	75	"	[illegible]	.04	"

End of hole at 325 ft.

Note: All assays are sludge samples.
All volume of rock determined by weight.
All core and sludge logged.

Diamond Drill Hole No. 22-7 - Continued

Footage	Lithology	Recovery	Cu.	Au.	Au	Ag
59 - 60	Aplite, some altered granite. Core nearly completely altered 0 to 60'	20	Nil	.030	.07	[illegible]
60 - 63	Fresh granite, 60-63 aplite. Fresh	20	"	.015	.13	"
63 - 70	Aplite. Fresh.	20	"	.035	.05	"
70 - 75	Aplite. Fresh.	20	"	.040	.03	"
75 - 80	75-77 aplite; 77-78 fresh granite	20	"	.012	.02	"
80 - 85	Fresh granite	20	"	.005	.04	"
85 - 90	" "	20	"	.010	.03	"
90 - 95	Aplite, sulfides to green at 93'6"	20	"	.005	.02	"
95 - 100	Aplite	20	"	.020	.02	"
100-105	"	20	"	.005	.01	"
105-110	" 105-107; 109-110 granite	20	"	.01	.02	"
110-115	Fresh granite	20	"	.020	.04	"
115-120	" "	20	"	.02	.03	"
120-125	" "	20	"	.015	.02	"
125-130	" "	20	"	.015	.02	"
130-135	" "	20	"	.01	.05	"
135-140	" "	20	"	.005	.04	"
140-145	Granite, some aplite, approx. 50% altered, trace sulfides	20	"	.02	.03	"
145-150	Fresh granite; minor alteration and brecciation at 150'	20	"	.02	.03	"
150-155	150-153 aplite, 151-153 fresh granite	20	"	0.007	.02	"
155-160	Fresh granite, very minor bleeding	20	"	0.005	0.03	"
160-165	Fresh granite	20	"	"	0.02	"
165-170	" "	20	"	"	0.02	"
170-175	" "	20	"	"	0.01	"
175-180	" " , few aplite stringers	20	"	0.005	0.07	"
180-185	" " , slight alteration close fractures	20	"	"	0.02	"
185-190	Granite, some 25% altered	20	"	"	0.03	"
190-195	" " " , some aplite	20	"	0.010	0.01	"
195-200	Granite, about 50% altered	20	"	"	0.01	"
200-205	" " "	20	"	0.015	0.03	"
205-210	40% altered granite to 201'; fresh from 201-207	20	"	0.005	0.05	"
210-215	Fresh granite, some shear at 210'	20	"	"	0.03	"
215-220	" "	20	"	0.010	0.15	"
220-225	" " , black shear at 223	20	"	"	0.03	"
		20	"	"	0.07	"

Hallie's Lotus - Hole ....Ha-7 - page 2

Depth	Remarks
235-250	Poor core recovery. Aplite and gneiss. Milky quartz.
250-270	Very poor core recovery. Trace granite and gneiss.
270-280	Poor core recovery. Granite. Milky quartz.
280-290	Poor core recovery. Trace granite and pink aplite. Milky gray sludge.
290-315	Fair core recovery. Trace granite. Milky quartz.
315-325	Fair core recovery. Trace granite and pink aplite.

End of hole at 325 ft.

8/3/53

[illegible] Drill Hole No. DH-7

Driller's Notes

Date Started: 5/27/53 Driller: Hawkins/Darnell

Finished: 7/1/53 Helper: Darnell/Rose

Feetage	Remarks
0 - 10	Good core recovery. Granite. Blue-grey sludge. Cased to 10 at 10 ft.
10 - 45	Fair core recovery, soft. Milky blue grey sludge.
45 - 50	Good core recovery. Altered granite, harder. Milky blue sludge.
50 - 60	Poor core recovery. Altered granite to 57 ft. Aplite 57-60 ft. Grey sludge.
60 - 64	Poor core recovery. Fresh granite. Milky sludge.
67 - 76	Poor core recovery. Aplite and white zones. Milky sludge.
76 - 77	Fair core recovery. Aplite, very hard and silicified. Milky sludge.
77 - 84	Poor core recovery. Fresh granite, soft. Milky sludge.
84-102	Fair core recovery. Fresh granite and aplite, harder. Milky sludge.
102-110	Poor core recovery. Aplite. Milky sludge.
110-135	Good core recovery. Fresh granite, very hard. Grey sludge. Cased at 114'-5".
135-145	Poor core recovery. Fresh granite and gouge, very soft. Milky. Blue and grey sludge.
145-150	Fair core recovery. Fresh granite and gouge. 130 ft. of PE casing was driven.
150-160	Poor core recovery. Fresh granite and gouge. Grey sludge.
160-180	Fair core recovery. Mainly fresh granite and gouge. Grey sludge.
180-200	Poor core recovery. Altered granite and gouge, very soft. Blue grey sludge.
200-210	Very good core recovery. Hard aplite and fresh granite. Milky grey sludge.
210-215	Very good core recovery. Altered and fresh granite. Grey sludge.
215-217	Poor core recovery. Fresh granite and gouge. Milky grey sludge.

COORDINATES: 22,704.9 E
19,679.9 S
ELEVATION: 6,635.8

YELLOW PINE MINE
Stibnite, Idaho

DIAMOND DRILL HOLE NO. DDH-8

BEARING: S 89° 51' W
INCLINATION: Horizontal
Page 1

Footage	Mineralogy	% Recovery	% Wt.	Oz. Au	% Sb	Size Core
0 - 5	Rhyolite dike					
5 - 10	" "	80				BX
10 - 15	10-12, Rhyolite dike; 12-15 altered granite, mineralized	38	.01	Tr	0.02	BX
15 - 20	Completely altered granite, mineralized with fine-grained sulfides	86	Tr	0.035	0.06	"
20 - 25	Completely altered granite, mineralized with fine-grained sulfides	100	Nil	0.025	0.03	"
25 - 30	Completely altered granite, mineralized with fine-grained sulfides	75	Tr	0.015	0.04	"
30 - 35	Completely altered granite, mineralized with fine-grained sulfides	62	Nil	0.015	0.03	"
35 - 40	Completely altered granite, mineralized with fine-grained sulfides	78	Tr	0.020	0.09	"
40 - 45	Completely altered granite, mineralized with fine-grained sulfides	92	Nil	0.015	0.03	"
45 - 50	Completely altered granite, mineralized with fine-grained sulfides	98	Nil	0.020	0.03	"
50 - 55	Completely altered granite, mineralized with fine-grained sulfides	84	Nil	0.020	0.09	"
55 - 60	Completely altered granite, mineralized with fine-grained sulfides	96	.02	0.005	0.07	AX
60 - 65	Brecciated, altered granite, mineralized with fine-grained sulfides	100	Tr	0.040	0.04	"
65 - 70	Brecciated, altered granite, mineralized with fine-grained sulfides	73	Nil	0.015	0.03	"
70 - 75	Brecciated, altered granite, mineralized with fine-grained sulfides	65	Tr	0.045	0.07	"
75 - 80	Brecciated, altered granite, mineralized with fine-grained sulfides	50	Nil	0.030	0.01	"
80 - 85	Brecciated, altered granite, mineralized with fine-grained sulfides	35	Nil	0.020	0.05	"
85 - 90	Brecciated, altered granite, mineralized with fine-grained sulfides. Split 89-90'	90	"	0.020	0.06	"
		84	"	0.035	0.03	"

Footage	Mineralogy	% Recovery	% WO3	Oz. Au	% Sb	Size Core
265-270	Lamprophyre dike	49	Nil	Tr	0.01	BX
270-275	" " - 271-272' gouge	12	"	"	0.01	"
275-280	" "	35	"	"	0.02	"
280-285	280-281 aplite; 281-285 no core	6	"	"	0.02	"
285-290	285-286, no core; 286-290 slightly altered granite	12	"	"	0.03	"
290-295	Fresh granite	38	"	"	0.02	"
295-300	" "	48	"	0.005	0.02	"
300-305	" "	25	"	Tr	0.03	"
305-310	" "	62	.02	Tr	0.02	"

End of hole at 310 feet

Note: All assays are sludge assays. Trace and Nil values of WO3 determined by lamping; numerical values determined by assay. All core and sludges lamped.

Hole drilled by Nichols & Thompson Core Drilling Co.
Date started: 5/22/53 - Finished 6/30/53

Footage	Mineralized	% Recovery	% NO_3	Oz. Au	% Sb	Size Core
90 - 95	Brecciated, altered granite and aplite, mineralized with fine-grained sulfides	65	Nil	0.020	0.04	AX
		60	"	0.015	0.03	"
95 -100	Altered aplite, some brecciation	10	"	0.010	0.04	"
100-105	" " " "	10	"	Tr	0.04	"
105-110	" " " "	3	Tr	0.005	0.03	"
110-115	110-111 aplite; 111-115, no core	4	Nil	Tr	0.03	"
115-120	Brecciated and altered granite and aplite	43	"	0.005	0.02	BX at 121
120-125	" " " " " "	9	"	Tr	0.04	"
125-130	" " " " " "	7	"	0.005	0.07	"
130-135	" " " " " "	7	Tr	Tr	0.03	"
135-140	" " " " " "	8	Nil	Tr	0.02	"
140-145	" " " " " "	6	.01	Tr	0.03	"
145-150	" " " " " "	15	.03	Tr	0.02	"
150-155	" " " " " "					
155-160	Rhyolite dike, brecciated 155-160'. Sulfide smears in fractures	14	Tr	"	0.03	"
		73	Tr	"	0.02	"
160-165	Rhyolite dike. Sulfide smears in fractures	46	Nil	"	0.02	"
165-170	" "	67	Tr	"	0.03	"
170-175	" "	70	Nil	"	0.02	"
175-180	" "	8	"	"	0.02	"
180-185	" "	20	"	"	0.02	"
185-190	" "					
190-195	190-192, Rhyolite dike; 192-195, brecciated and altered granite	28	.02	"	2.02 ~~0.02~~	"
		30	Tr	"	0.03	"
195-200	Brecciated and altered granite, streaks of sulfides	18	Nil	"	0.02	"
200-205	" " " " " " "	3	"	"	0.02	"
205-210	" " " " " " "	32	"	"	0.02	"
210-215	" " " " " " "	3	"	"	0.02	"
215-220	" " " " " " "	20	"	"	0.01	"
220-225	" " " " " " "	10	"	"	0.02	"
225-230	Rhyolite dike, brecciated 225-228	22	"	"	0.02	"
230-235	Rhyolite dike	13	"	"	0.02	"
235-240	" "					
240-245	240-242, Rhyolite dike; 242-245, aplite and altered granite	14	"	"	0.02	"
		26	"	"	0.02	"
245-250	Aplite and altered granite	9	"	"	0.03	"
250-255	250-254, gouge; 254-255, breccia	5	"	"	0.02	"
255-260	Alternating granite, aplite and lamprophyre dike	32	"	"	0.03	"
260-265	Lamprophyre dike					

COORDINATES: 22,377.0 N
19,615.1 E
ELEVATION: 6,839.1

YELLOW PINE MINE
Stibnite, Idaho

DIAMOND DRILL HOLE NO. DMA-9

RECEIVED
JUL 2 - 1956

BEARING: S 89° 17' W
INCLINATION: Horizontal

Footage	Mineralogy	% Recovery	% NO 3	Oz. Au	% Sb	Size Core
0 - 5	Rhyolite dike	70	Nil	Tr	0.01	NX
5 - 10	" "	60	"	0.005	0.02	BX at 7'
10 - 15	" "	78	"	0.010	0.02	"
15 - 20	15-17, Rhyolite dike. 17-20 fault breccia, grey, fine-grained sulfide mineralization	46	"	0.010	0.02	"
20 - 25	Brecciated, completely altered granite. Fine-grained sulfides	17	"	Tr	0.03	"
25-30	Brecciated, completely altered granite. Fine-grained sulfides	8	"	0.005	0.03	"
30 - 35	Rhyolite dike	16	"	0.005	0.03	"
35 - 40	35-36 Rhyolite dike; 36-40 brecciated, alt. granite	40	"	0.005	0.03	"
40 - 45	Brecciated, completely altered granite	68	"	Tr	0.04	"
45 - 50	Completely altered granite and aplite; some brecciation	18	"	0.010	0.03	"
50 - 55	" " " "	5	"	0.015	0.04	"
55 - 60	55-59 completely altered granite with fine-grained sulfides. Gouge and breccia at 59-60	37	"	Tr	0.05	"
60 - 65	Granite breccia and gouge	22	"	0.020	0.03	"
65 - 70	Sulfide-bearing altered granite	44	"	Tr	0.04	"
70 - 75	Completely altered granite with streaks of sulfides in and along fractures	94	"	0.015	0.02	"
75 - 80	Completely altered granite with streaks of sulfides in and along fractures	44	"	Tr	0.04	"
80 - 85	Rhyolite dike	4	"	Tr	0.04	BX at 80
85 - 90	" "	26	"	Tr	0.05	"
90-95	" "	70	"	0.005	0.04	"
95 -100	" "	52	"	Tr	0.02	"
100-105	" "	36	"	Tr	0.03	"
105-110	" "	70	"	0.015	0.05	"
110-115	" "	68	"	0.015	0.09	"
115-120	" "	30	"	Tr	0.02	"
120-125	" "	20	"	Tr	0.03	"
125-130	125-126, Rhyolite dike. 126-130 granite fault breccia and gouge	35	"	Tr	0.03	"

Footage	Mineralogy	% Recovery	% WO 3	Oz. Au	% Sb	Size Core
130-135	Granite fault breccia and gouge. Fine-grained sulfides	80	Nil	0.025	0.09	AX
135-140	Granite fault breccia and gouge. Brecciated lamprophyre and rhyolite at 134-136	30	Tr	0.030	0.10	"
140-145	Granite fault breccia & gouge. Fine-grained sulfides	44	Nil	0.015	0.09	"
145-150	" " " " " " " "	82	"	0.015	0.06	"
150-155	" " " " " " " "	90	"	0.015	0.05	"
155-160	" " " " " " " "	75	"	0.010	0.05	"
160-165	" " " " " " " "	40	"	0.020	0.06	"
165-170	" " " " " " " "	74	"	0.015	0.05	"
170-175	" " " " " " " "	58	"	0.010	0.05	"
175-180	" " " " " " " "	60	"	0.010	0.05	"
180-185	" " " " " " " "	70	"	0.005	0.04	"
185-190	Altered granite, brecciated. Stringers of black sulfides	66	"	0.010	0.06	"
		2	"	0.005	0.06	"
190-195	Altered granite, fault breccia and gouge	40	"	Tr	0.06	BX at 199
195-200	Fault breccia, sericitized. Altered granite	6	"	0.005	0.02	"
200-205	Altered and brecciated granite, aplite at 200'	3	"	Tr	0.04	"
205-210	Aplite, brecciated. Stringers of sulfides	4	"	Tr	0.06	"
210-215	Altered and brecciated granite	0	"	Tr	0.03	"
215-220	No core	4	"	Tr	0.05	"
220-225	Fresh granite and gouge	2	"	Tr	0.02	"
225-230	Fresh granite	1	"	Tr	0.03	"
230-235	Altered granite (50% alt.)	4	"	Tr	0.03	"
235-240	" " " "	2	"	0.005	0.03	"
240-245	Partially altered granite (25% alt.)	1	"	0.005	0.03	"
245-250	" " " " "	0	"	0.005	0.04	"
250-255	No core	0	"	Tr	0.03	"
255-260	" "	6	"	Tr	0.04	"
260-265	Partially altered granite (25% alt.)	13	"	Tr	0.05	"
265-270	Essentially fresh granite	35	"	Tr	0.05	"
270-275	Fresh granite. Stained with iron oxide in places					

End of hole at 275 feet.
Note: All assays are sludge assays. Trace and Nil values of WO_3 determined by lamping. All core and sludges lamped.

Hole drilled by Nichols & Thompson Core Drilling Co.
Date started: 8/31/53 - Finished 9/7/53

YELLOW PINE MINE
Stibnite, Idaho

DIAMOND DRILL HOLE NO. DMA-10

COORDINATES 22,246.7 N
19,644.5 E
ELEVATION 6,641.1

BEARING S 74° 00' E
INCLINATION Horizontal
Page 1

Footage	Mineralogy	% Recovery	% WO3	Oz. Au	% Sb	Size Core
0 - 5	Completely altered granite. Some brecciated areas. Fine grained sulfides	95	Nil	.055	.10	NX
5 - 10	Completely altered granite. Fine grained sulfides	100	Tr	.020	.10	NX
10- 15	" " " " " "	55	Nil	.005	.04	"
15 - 20	" " " " " "	95	"	.030	.05	"
20 - 25	" " " " " "	65	"	.035	.06	"
25 - 30	" " " and aplite. Minor fine grained sulfides	35	"	.020	.04	"
30 - 35	Completely altered granite and aplite. Minor fine grained sulfides	70	"	.015	.03	"
35 - 40	Completely altered granite and aplite. Minor fine grained sulfides	75	"	.015	.03	"
40 - 45	Altered granite. (75% alt.)	70	"	.010	.02	"
45 - 50	" " " "	80	"	.010	.09	"
50 - 55	Completely altered granite. Some brecciated areas. Fine grained sulfides	100	"	.030	.11	"
55 - 60	Altered granite to 57'. Fresh granite 57 to 60'	60	"	.005	.04	"
60 - 65	Fresh granite	75	"	.005	.03	"
65 - 70	Fresh granite, very minor alteration in places	95	"	Tr	.03	"
70 - 75	" " " " " " "	65	"	Tr	.05	"
75 - 80	Granite, about 50% altered	55	"	Tr	.06	"
80 - 85	Fresh granite	60	"	Tr	.04	NX
85 - 90	" " , minor alteration in places	70	"			"
90 - 95	" "	100	"			"
95 -100	Aplite 95 to 99'. Fresh granite 99 to 100'	75	"	.005	.05	"
100-105	Aplite	75	"			"
105-110	Aplite and partially altered granite (25% alt.)	95	"			"
110-115	Aplite to 112'. Altered granite (75% alt.) 112-115'	90	"			"
115-120	Altered granite (75% alt.) to 118. Fresh granite 118 to 120'.	55	"			"
120-125	Fresh granite	90	"	.005	.07	"
125-130	" " , minor aplite	100	"			"
130-135	" "	80	"			"

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Size Core
135-138	Fresh granite.	100	-----no sludge------			4X

End of hole at 138'

Note: All assays are sludge assays. Trace and Nil values of WO_3 determined by lamping. All core and sludges lamped.

Hole drilled by Nichols & Thompson Core Drilling Co.
Date started: 9/8/53 - Finished: 9/11/53.

COORDINATES 21,906.7 N
19,631.8 E

ELEVATION 6,646.6

YELLOW JIM MINE
Stibnite, Idaho

DIAMOND DRILL HOLE NO. DMA-11

BEARING: S 57° 15' E

INCLINATION: Horizontal

Footage	Mineralogy	% Recovery	% NO_3	Oz. Au	% Sb	Size Core
0 - 5	Completely altered granite. Fine-grained sulfides	20	Nil	.045	.03	NX
5 - 10	" " " " " "	20	"	.010	.02	BX
10 - 15	" " " " " "	90	"	.005	.03	"
15 - 20	Altered granite (75% altered)	100	"	.005	.08	"
20 - 25	Completely altered granite. Some areas of brecciation. Fine-grained sulfides	70	"	.030	.03	"
25 - 30	Completely altered granite and aplite. Fine-grained sulfides	70	"	.005	.03	"
30 - 35	Completely altered granite and aplite. Fine-grained sulfides	45	"	.010	.03	"
35 - 40	Completely altered granite and aplite. Fine-grained sulfides. Some brecciation.	35	"	.005	.03	"
40 - 45	Altered granite (75% alt.)	50	"	.005	.03	"
45 - 50	Essentially fresh granite (20% alt.)	75	"	.005	.03	"
50 - 55	Partially altered granite (50% alt.)	50	"	.005	.03	"
55 - 60	Essentially fresh granite (20% alt.)	65	"	Tr	.03	"
60 - 65	Partially altered granite (50% alt.)	90	"	.005	.03	"
65 - 70	Essentially fresh granite (20% alt.). Some aplite	55	"	.005	.03	"
70 - 75	" " " " " " "	95	"	.005	.03	"
75 - 80	" " " " " " "	55	"	.010	.02	AX from 79'
80 - 85	" " " " " " "	90	"	.005	.02	"
85 - 90	" " " " "	70	"	.005	.02	"
90 - 95	Fresh granite.	50	"	.005	.02	"
95 -100	" "	95	"	.010	.02	"
100-105	Fresh granite and aplite	95	"	.010	.02	"
105-110	" "	55	"	.005	.02	"
110-115	" "	35	"	Tr	.02	"
115-120	" " , some aplite	100	"	.005	.02	"
120-125	" " " "	75	"	Tr	.02	"
125-130	" " , minor aplite	70	"	.005	.01	"
130-135	" " " "	50	"	Tr	.01	"
135-140	" "	95	Tr	Tr	.02	"

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Size Core
140-145	Altered granite (75% alt.) Fine-grained sulf. 140-141'	95	Nil	.005	.04	AX
145-150	" " " " to 148'. Fresh granite					
	148 - 150'	50	"	.010	.04	"
150-155	Fresh granite	95	"			"
155-160	" "	80	"			"
160-165	" "	75	"	TR	.02	"
165-170	" " , some aplite	40	"			"
170-175	" "	75	"			"
175-180	" "	30	"			"
180-185	Partially altered granite (50% alt.)	30	"			"
185-190	" " " " "	35	"	Tr	.03	"
190-195	Fresh fine-grained granite and aplite	35	"			"
195-200	Aplite to 198, fresh granite to 200'	65	"			"
200-205	Fresh granite	80	"			"
205-210	Fresh granite and aplite. Minor patches of alteration	45	"			"
210-215	" " " "	55	"	TR	.01	"
215-220	" "	40	"			"
220-225	" "	40	"			"
225-230	" "	100	"			"
230-235	" " " "	60	"			"
235-240	Altered granite (50% alt.) to 238'. Fresh granite to 240'	45	"	Tr	.01	"
240-245	Fresh granite, some aplite	60	"			"
245-250	" " " "	40	"			"
250-255	" " " "	90	"			"
255-260	" " " "	100	"			"
260-265	" " " " , patch of alt. at 263'	100	"	Tr	.02	"
265-270	" " " "	100	"			"
270-275	" " " "	100	"			"
275-280	" " " "	100	Tr	.005	.03	"
280-285	" " " "	100	"	Tr	.03	"
285-290	Fresh granite to 287', partially altered granite (50% alt.) to 290	70	"	.005	.05	"
290-295	Altered granite (75% alt.). Some areas of brecciation	20	Nil	.005	.05	"
295-300	Partially altered granite (50% alt.)	60	"	Tr	.05	"

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Size Core
300-305	Altered granite (75% alt.)	20	Tr	.005	.04	AX
305-310	Completely altered granite	30	"	.020	.02	"
310-315	Altered granite (75% alt.)	15	"	.015	.05	"
315-320	Completely altered granite. Gouge and breccia 315-316'	55	Nil	.025	.05	"
320-325	Completely altered granite. Fine-grained sulfides. Crystal of scheelite (1/2 x 1/4 x 1/4") at 325'.	95	.06	.035	.15	"
325-330	Altered granite (75% alt.) Fine-grained sulfides	90	.03	.025	.09	"
330-335	Completely altered granite (except 331-332 fresh). Fine grained sulfides	85	.11	.030	.07	"
335-340	Completely altered granite, fine-grained sulfides	85	.10	.030	.04	"
340-345	Aplite 340-342; completely altered granite, fine-grained sulfides 342-345	60	.03	.030	.04	"
345-350	Altered granite, patches of fresh granite and aplite	70	.03	.025	.06	"
350-355	Completely altered granite	30	.06	.025	.06	"
355-360	Altered granite (75% alt.) to 357. Aplite 357-360'	90	.06	.020	.05	"
360-365	Aplite to 364'. Altered granite 364-365'	45	.04	.020	.05	"
365-370	Altered granite (75% alt.) Fine-grained sulfides	75	.03	.015	.03	"
370-375	Partially altered granite (20% alt.)	80	Tr	.005	.05	"
375-380	Partially altered granite (25% alt.)	100	.02	.010	.05	"
380-385	Completely altered granite. Aplite 384-385'. Fine-grained sulfides. Many small specks of scheelite 381'	100	.03	.020	.06	"
385-390	Completely altered granite. Fine-grained sulfides	55	Tr	.040	.05	"
390-395	Aplite 390-392'. Altered granite (75% alt.) 392-395'. Fine-grained sulfides	55	.02	.030	.02	"
395-400	Completely altered aplite and granite. Fine-grained sulfides	45	Tr	.035	.05	"
400-405	Completely altered granite. Fine-grained sulfides	35	Tr	.035	.04	"
405-410	" " " " " "	70	.02	.025	.05	"
410-415	" " " " " "					
	Brecciated 410-413'. Several stringers	(sludge)	85	.22	.075	.11	"
	scheelite up to 1/4" thick from 413-414'	(core)		1.56	.135	.07	"
415-420	Completely altered granite. Fine-grained sulfides	(sludge)	60	.31	.025	.04	"
		(core)		.01	.020	.05	

Footage	Mineralogy		% Recovery	% WO3	Oz. Au	% Sb	Also Core
420-425	Completely altered granite. Fine-grained sulfides. Several small spots of scheelite at 424'.	(sludge)	70	.02	.025	.06	AX
		(core)		.05	.025	.07	
425-430	Completely altered granite. Fine-grained sulfides. Minute stringer and several ~~small specks~~ crystals of scheelite up to 1/8" dia. at 426'. Same at 427'. Small specks to 429', 1/8" stringer at 429'.	(sludge)	100	.08	.045	.08	"
		(core)		.32	.100	.03	"
430-435	Completely altered granite. Fine-grained sulfides. Some aplite. Small amount of scheelite at 430'. Several 1/8" dia. crystals of scheelite at 434'	(sludge)	100	.03	.025	.05	"
		(core)		.19	.040	.09	
435-440	Completely altered granite. Fine-grained sulfides. Many small crystals of scheelite up to 1/16" dia. at 436'	(sludge)	40	.06	.025	.05	"
		(core)		.01	.055	.07	
440-445	Completely altered granite. Fine-grained sulfides		35	.02	.015	.04	"
445-450	" " " " " "		45	.01	.025	.07	"
450-455	" " " " " "						
	Brecciated at 455'		50	Tr	.020	.06	"
455-460	Partially altered granite (50% alt.)		45	Tr	.020	.05	"
460-465	Essentially fresh granite, patches of alteration		75	Tr	.025	.04	"
465-470	Aplite 465-468'. Fresh granite 468-470'.		85	Tr	.025	.05	"
470-475	Essentially fresh granite. Minor patches of alteration		75	Tr	.020	.09	"
475-480	Fresh granite. Aplite 476-478'		90	.03	.015	.13	"
480-481	Aplite		60		.020	.04	"

End of hole at 481 ft.

Note: All assays are sludge assays unless otherwise indicated. Trace and Nil values of WO3 determined by lamping; numerical values determined by assay. All core and sludges lamped.

Hole drilled by Nichols & Thompson Core Drilling Co.
Date started: 9/14/53; finished: 9/29/53

COORDINATES 21,914.1 E

19,603.7 S

ELEVATION 6,646.5

YELLOW PINE MINE
Stibnite, Idaho

DIAMOND DRILL HOLE No. DDH-12

BEARING N 82° 23' E

DOWN-PLUNGE Horizontal

Page 1

Footage	Mineralogy	% Recovery	% Sb	Oz. Au	% Hg	Site Core
0 - 5	Granite and aplite fault gouge and breccia. Completely altered	35	------no sludge------			BX
5 - 10	Granite and aplite fault gouge from 5 to 7'. Lamprophyre dike 7 to 8', Granite gouge 8 to 10'	45	Nil	.010	.03	BX from 8'
10-15	Lamprophyre dike 10-12'. Granitic gouge and breccia 12-14'. Rhyolite dike 14-15'	80	.13	.015	.03	BX
15 - 20	Rhyolite dike	40	.06	.010	.04	"
20 - 25	" "	25	Nil	.005	.03	"
25 - 30	" "	25	.07	.005	.03	"
30 - 35	" "	20	Tr	.010	.04	"
35 - 40	" " to 38'. Gouge and breccia to 40'	20	Nil	.015	.03	"
40 - 45	Completely altered granite	20	.04	.010	.03	"
45 - 50	" " "	15	Tr	.010	.02	"
50 - 55	" " "	10	.07	.015	.02	"
55-60	" " "	5	Tr	Tr	.03	"
60 - 65	" " "	5	.09	Tr	.02	"
65 - 70	" " "	5	Tr	.005	.03	"
70 - 75	" " " Gouge and breccia	10	Tr	Tr	.03	"
75 - 80	" " " " " "	5	Nil	.005	.04	"
80 - 85	" " " " " "	5	Nil	Tr	.04	"
85 - 90	" " " " " "	10	Tr	.005	.03	"
90 - 95	" " " " " "	35	Nil	.005	.03	"
95 - 100	" " " Brecciated	50	Tr	.005	.04	BX from 99'
100-105	" " " Gouge and breccia to 104'					
	Rhyolite dike to 105'	45	Nil	.005	.03	BX
105-110	Rhyolite dike	5	Nil	Tr	.04	"
110-115	" "	40	.08	Tr	.03	"
115-120	" "	15	Nil	Tr	.03	"
120-125	" "	10	Nil	Tr	.03	"
125-130	" "	5	Nil	Tr	.04	"
130-135	" "	35	Nil	Tr	.04	"
135-140	" "	15	Tr	Tr	.04	"

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Footage	Mineralogy	% Recovery	% SO_3	Oz. Au	% Sb	Size Core
140-145	Rhyolite Dike	10	Tr	Tr	.02	AX
145-150	" "	5	Tr	.005	.05	"
150-155	" "	35	Tr	.005	.04	"
155-160	" "	5	Nil	.005	.03	"
160-165	" " to 163'. Completely altered granite and aplite to 163'	35	Tr	Tr	.03	"
165-170	Completely altered granite and aplite with brecciation and gouge	55	Nil	.005	.03	"
170-175	Completely altered granite and aplite with brecciation and gouge	55	Nil	.005	.03	"
175-180	Completely altered granite and aplite with brecciation and gouge	75	Tr	Tr	.03	"
180-185	Completely altered granite and aplite with brecciation and gouge	30	.01	Tr	.04	"
185-190	Completely altered granite and aplite with brecciation and gouge	60	.05	Tr	.05	"
190-195	Completely altered granite and aplite with brecciation and gouge	35	Tr	Tr	.03	"
195-200	Rhyolite dike	10	Tr	.005	.02	"
200-205	" "	20	Nil	Tr	.04	"
205-210	" "	40	Nil	Tr	.06	"
210-215	" "	40	Nil	Tr	.04	"
215-220	" "	15	Tr	.005	.04	"
220-225	" "	10	Nil	.005	.01	"
225-230	" "	30	Tr	.005	.06	AX from 229'
230-235	" " Brecciated 229-234'	5	Tr	Tr	.05	AX
235-240	" "	10	Tr	Tr	.03	"
240-245	" "	10	Nil	Tr	.06	"
245-250	Completely altered granite and aplite. Some brecciation	10	Nil	.005	.02	"
250-255	" " " " " " "	35	Nil	Tr	.05	"
255-260	" " " " " " "	10	Nil	Tr	.02	"
260-265	" " " " " " "	15	Nil	Tr	.20	"
265-270	" " " " " " "	50	Nil	Tr	.03	"
270-275	" " " " " " "	10	Nil	Tr	.02	"
275-280	No core recovery	0	Nil	Tr	.03	"
280-285	" " "	0	Nil	Tr	.02	"

Footage	Mineralogy	% Recovery	% WO3	Oz. Au	% Mo	Size Core
285-290	Lamprophyre dike	50	Tr	Tr	.02	BX
290-295	Lamprophyre dike to 292'. Essentially fresh granite to 293'	25	Nil	.005	.01	"
295-300	Essentially fresh granite and aplite	10	----no sample----			"
300-304	Fresh granite	30	Nil	Tr	.02	"

End of hole at 304 feet

Note: All assays are sludge assays. Traces and Nil values of WO3 determined by sampling; numerical values determined by assay. All core and sludges logged.

Hole drilled by Nicholls and Thompson Core Drilling Co.
Date started: 9/29/53 Finished: 10/3/53

COORDINATES: 21,731.1 N — [illegible] — AZIMUTH: S 57° 55' E

19,731.1 E — Diamond Drill Hole No. 222-13 — INCLINATION: Plus 24°

ELEVATION: 6,651.4 — Page 1

Footage	Formation	Recovery %	Cu %	Zn %	Pb %	Size Core
0 - 5	Fresh granite to 1', altered aplite with fine-grained sulfides 1-5'. Patch of fresh granite 3'	75	No assays taken			EX
5 - 10	Altered aplite with fine-grained sulfides in fractures to 8½'. Essentially fresh granite 8½-10'	90	"	"	"	"
10 - 15	Fresh granite to 12', altered granite (50% alt.) with fine-grained sulfides 12-15'	95	Tr	.015	.05	"
15 - 20	Fresh granite, aplite 16-17'	95	"	Tr	.05	"
20 - 25	Mixed fresh granite and aplite	90	"	Tr	.04	"
25 - 30	Fresh granite	100	"	Tr	.04	"
30 - 35	Fresh granite; partially altered at 32'	90	"	Tr	.03	"
35 - 40	Fresh granite	80	"	Tr	.04	"
40 - 45	Fresh granite to 42', partially altered (50% alt.) granite 42-43', fresh granite 43-44', aplite 44-45'	90	Tr	.005	.03	"
45 - 50	Aplite to 46', fresh granite 46-50'	95	Tr	.005	.04	"
50 - 55	Fresh granite to 52½', aplite to 54½', partially altered granite (40% alt.) to 55'	50	Tr	.005	.07	"
55 - 60	Aplite to 56', partially altered granite (50%) 56-60'	75	Tr	.015	.04	"
60 - 65	Essentially fresh granite (10% altered)	50	Tr	.010	.04	"
65 - 70	Altered aplite and granite (75% alt.) with fine-grained sulfides to 68½', essentially fresh granite 68½ - 70'	55	"	.010	.04	"
70 - 75	Essentially fresh granite; minor patches of alteration	75	"	.010	.05	"
75 - 80	Aplite; minor fresh granite	70	"	.010	.04	"
80 - 85	Dominant altered granite (30% alt.) to 84', completely altered granite 84-85'	85	"	.015	.04	"
85 - 90	Completely altered granite with fine-grained sulfides to 87'; altered aplite with fine-grained sulfides 87-90'	80	"	.005	.03	"
90 - 95	Altered aplite to 91'; completely altered granite with fine grained sulfides 91-95'	40	"	Tr	.11	"
95 - 100	Completely altered granite and aplite with fine grained sulfides to 97'; fresh granite 97-100'	80	"	.015	.10	"

Footage	Mineralogy	% Recovery	% [illegible]	Oz. Au	% Sb	Size Core
100-105	Completely altered granite with fine-grained sulfides	75	Nil	.020	.07	AX
105-110	Altered granite (75% alt.) to 107'; aplite 107-110'	60	"	.020	.06	"
110-115	Altered granite and aplite (90% alt.)	10	"	.060	.28	"
115-120	Completely altered granite with fine-grained sulfides. Some aplite.	20	"	.065	.07	"
120-125	Partially altered fine-grained granite (40% alt.) to 122½'; completely altered granite with fine-grained sulfides, some aplite 122½-125'	65	"	.030	.08	"
125-130	Completely altered granite with fine-grained sulfides. Some aplite	50	"	.025	.09	"
130-135	Altered granite (80% alt.) with fine-grained sulfides.	30	"	.015	.06	"
135-140	Partially altered granite (40% alt.)	50	.07	.030	.09	"
140-145	Slightly altered granite (20% alt.)	60	.05	.015	.11	"
145-150	Completely altered granite, many seams of fine grained sulfides	95	.01	.030	.05	"
150-155	Altered granite (75% alt.) to 153'; essentially fresh granite, some aplite, 152-155'	75	.04	.030	.05	"
155-160	Essentially fresh granite; altered locally near fractures	85	.03	.040	.09	"
160-165	" " " " " " "	90	.04	.035	.10	"
165-170	Altered granite (70% alt.) to 167'; fresh granite to 169'; aplite 169-170'	65	.05	.040	.13	"
170-175	Essentially fresh granite (10% alt.)	90	.03	.045	.13	"
175-180	" " " " "	95	.09	.035	.06	"
180-185	" " " " " , altered locally	85	.18	.055	.07	"
185-190	Fresh granite, some aplite	70	Tr	.050	.07	"
190-195	Altered granite to 190½'; essentially fresh granite to 192'; altered granite with fine-grained sulfides 192-195'	55	Tr	.030	.18	"
195-200	Completely altered granite with fine-grained sulfides	8	Tr	.065	.08	"
200-205	Somewhat altered (40% alt.) to 202'; completely altered granite with fine grained sulfides 202-205'	50	Tr	.050	.14	"
205-210	Completely altered granite with fine grained sulfides; some brecciated areas	65	Tr	.045	.25	"
210-215	Completely altered granite with fine grained sulfides; some brecciated areas. Small amount Sb; at 210½'	75	Tr	.075	.14	"
215-220	Completely altered granite with fine grained sulfides; some brecciated areas.	75	Tr	.030	.13	"
220-225	Completely altered granite with fine grained sulfides; some brecciated areas. Silicified.	90	Tr	.055	.19	"

Footage	Mineralogy	% Recovery	% Sul.	oz. Au	Ag	Also Core
229-230	Completely altered granite with fine grained sulfides. Silicified. 5" fresh granite at 229'.	95	Tr	.015	.08	AX
230-233	Completely altered granite with fine grained sulfides to 231', essentially fresh granite 231-233'	95	Tr	.015	.07	"
233-240	Essentially fresh granite. Altered at 235' and 239½-240'	100	Tr	.015	.19	"
240-245	Altered granite to 240½', fresh granite 240½-242', aplite 242-243'	95	Tr	.010	.11	"
245-250	5" altered granite at 245', aplite to 246', fresh granite 246-250'	90	Tr	.030	.07	"
250-255	Fresh granite	90	Tr	.030	.11	AX
255-260	Fresh granite to 257'; completely altered granite 257-260'	90	Tr	.030	.09	"
260-265	Completely altered granite - "breccia type". Fine grained sulfides	85	Tr	.030	.12	"
265-270	Completely altered granite - "breccia type". Fine grained sulfides. Rock gouge	10	Tr	.035	.10	"
270-275	Essentially fresh granite (25% altered); some aplite	30	Tr	.010	.07	"
275-280	Essentially fresh granite (10% altered)	30	Tr	.030	.07	"
280-285	Fresh granite; patches of aplite	70	Tr	.040	.06	"
285-290	Fresh granite.	80	Tr	.020	.13	"
290-295	Altered granite to 291; fresh granite with patches of alteration 293-295'	55	Tr	.025	.14	"
295-300	Partially altered granite (60% alt.) to 298', essentially fresh granite 298-300'	50	Tr	.050	.08	"
300-305	Slightly altered granite (25% alt.)	25	Tr	.030	.08	"
305-310	Slightly altered granite (25% alt.). Aplite 308-309½'	90	Nil			"
310-315	Fresh granite	95	"	.060	.03	"
315-320	" "	80	"			"
320-325	" "	100	"			"
325-330	" " , small patches of alteration	95	"	.090	.12	"
330-335	" "	70	"			"
335-340	" "	80	Tr			"
340-345	" " aplite 344-345'	50	"	.095	.12	"
345-350	" "	50	"			"
350-355	" "	85	"			"
355-360	Partially altered granite (60% alt.) to 356½'. Fresh granite 356½-360'	95	"	.070	.09	"
360-365	Essentially fresh granite; very minor alteration	90	Nil			"

Footage	Mineralogy	% Recovery	SO_3	Cu. As	% As	Give Core
365-370	Partially altered granite (70% alt.) to 366'; aplite 366-370'	75	Tr			ER
370-375	Aplite	40	Tr	.050	.11	"
375-380	Mainly fresh granite; patches of alt. granite & aplite	50	Nil			"
380-385	Fresh granite. Aplite 381-384'	60	Tr			"
385-390	Mainly partially altered granite (70% alt.), patches fresh granite	40	Nil			"
390-395	Fresh granite; minor patches of alteration	40	Nil	.040	.23	"
395-400	" " " " " "	40	Tr			"

End of hole at 400 feet

Note: Trace and Nil values of SO_3 determined by lamping; numerical values determined by assay. All core and sludges lamped.

All assays are sludge assays.

[illegible] Drill Hole No. [illegible]-13

Driller's Notes

Date Start: 3/11/54
Finish: 4/4/54

Driller: Manning
Helpers: Washington, Barkell

Footage	Remarks
0 - 10	Aplite and fresh granite. No sludge.
10- 25	" " " " Milky sludge.
25 - 40	Fresh granite. Grey sludge.
40 - 62	Fresh granite and aplite. Milky sludge.
62 - 69	Fresh granite and aplite; very broken and soft with gouge. Milky sludge.
69 - 75	Fresh granite; harder. Milky grey sludge.
75 - 79	Aplite and gouge. Milky sludge.
79 - 86	Fresh granite with a few altered seams; some sulfides. Milky grey sludge. Hit gouge seam and blocked at 84 ft.
86 - 90	Aplite, milky sludge.
90 -109	Altered granite; sulfides. Blue-grey sludge.
109-110	Some altered granite; very broken with gouge seams. Milky grey sludge.
110-115	Very soft and broken. Gouge. Milky to grey sludge.
115-120	Very soft and broken; some sulfides. Blue-grey sludge.
120-125	Altered granite. Grey sludge.
125-138	Altered granite; soft and gouey. Blue-grey sludge.
138-145	Fresh granite; gouge. Milky sludge.
145-150	Very soft; sulfides. Grey sludge.
150-152	Slightly altered granite. Bluish-grey sludge.
152-154	Aplite and fresh granite. Grey sludge.
154-160	Fresh granite; hard and broken. Milky sludge.
160-168	" " " " " Grey sludge.
168-174	Very hard fresh granite. Milky sludge.

Footage	Remarks
174-188	Very hard fresh granite. Grey sludge.
188-194	Fresh and altered granite with gouge; softer. Milky grey to blue grey sludge.
194-200	Altered granite and gouge. Blue sludge.
200-205	Fresh and altered granite and gouge. Blue sludge.
205-217	Altered granite; gouge; soft and broken. Blue sludge.
217-220	Medium hard altered granite. Blue sludge.
220-224	Hard altered granite and quartz. Blue sludge.
224-235	Altered to fresh granite. Grey sludge.
235-257	Fresh granite. Grey sludge.
257-260	Slightly altered granite. Grey and bluish grey sludge.
260-270	Soft and gouey altered granite. Grey sludge.
270-280	Fresh granite; gouge. Milky sludge.
280-290	Harder fresh granite; less gouge. Milky sludge.
290-300	Fresh granite; gouge zones. Grey sludge.
300-305	Slightly altered granite. Blue-grey sludge. Hole caving 295-305 ft. Soft and gouey.
305-310	Fresh granite. Harder and not so broken. Some gouge. Grey sludge.
310-330	Fresh granite; hard. Grey sludge.
330-355	Fresh granite; some gouge. Grey sludge.
355-365	Fresh granite; some gouge. Milky grey sludge.
365-400	Fresh granite; some gouge. Milky sludge.

Last 36 ft. drilled very soft and there were some indications of quite a bit of grey talc and gouge.

End of hole.

YELLOW PINE MINE
Stibnite, Idaho

COORDINATES 21,376.0 N
19,728.5 E
ELEVATION 6,658.1

DIAMOND DRILL HOLE NO. DDH-14

BEARING: S 46° 16' E
INCLINATION: Plus 2°

Page 1

Footage	Mineralogy	% Recovery	Wt 1 oz. Au	Sb	Size Core
0 - 5	Completely altered granite; fine-grained sulfides	60	No sludge sample		BX
5 - 10	" " " " " "	80	" " "		"
10 - 15	" " " " " "	30	Nil .055	.09	BX
15 - 20	" " " " " "	70	" .050	.15	"
20 - 25	Partially altered granite (40% alt.), some aplite	45	" .040	.10	"
25 - 30	Completely altered granite; fine-grained sulfides. Patches fresh granite	95	" .075	.10	"
30 - 35	Completely altered granite; fine-grained sulfides.	10	" .065	.10	"
35 - 40	" " " . Some coarse stibnite, fine-grained sulfides	40	" .125	1.51	"
40 - 45	Mainly fresh granite. Patches of altered granite	40	" .020	.10	"
45 - 50	Mixed altered and fresh granite (mainly fresh)	35	" .035	.07	"
50 - 55	Hard aplite. Some fine-grained sulfides	45	" .055	.13	"
55 - 60	Mixed altered and fresh granite. Some fine-grained sulf.	60	" .055	.15	"
60 - 65	" " " " " " " " "	45	" .045	.09	"
65 - 70	Altered aplite; some fine-grained sulfides; some altered granite	75	" .030	.05	"
70 - 75	Mixed altered and fresh granite, some aplite. Fine-grained sulfides	55	" .025	.09	"
75 - 79	Mainly fresh granite; minor alteration	65	" .025	.06	"

End of hole at 79 feet.

Note: All assays are sludge assays.
All values of SbO3 determined by longing.
All core and sludges keeped.

DIAMOND DRILL HOLE NO. DDH-14

Driller's Notes

Date Start: 7/14/54 Drillers: Manning, Bertoil

Finish: 7/15/54 Helpers: Rose, Smith

Footage	Remarks
0 - 20	Altered granite; some sulfides
20 - 25	Fresh granite
25 - 30	Altered granite
30 - 35	Fresh granite
35 - 40	Altered granite; some sulfides
40 - 51	Fresh granite
51 - 55	Granite and quartz
55 - 65	Fresh granite
65 - 70	Granite and quartz. Caving some.
70 - 75	Granite and quartz
75 - 79	Fresh granite and aplite

End of hole

COORDINATES 21,360.6 E

19,719.5 S

SEPARATION 4,658.5

FALCON FINE GOLD
Stibnite, Idaho

DIAMOND DRILL HOLE No. FGA-12

BEARING: N 30° 28' W

INCLINATION: Plus 1°

Footage	Mineralogy	Recovery %	Au oz.	Sb %	Size Core
0 - 5	Completely altered granite with fine-grained sulfides to 4'; fresh granite 4 to 5'	80	No single sample		BX
5 - 10	Completely altered granite with fine-grained sulfides	10	" " "		"
10 - 15	" " " " " " "	50	Nil	.060	.09	BX
15 - 20	" " " " " " "	55	"	.130	.13	"
20 - 25	" " " " " " " , some aplite	80	"	.025	.09	"
25 - 30	" " " " " " "	45	"	.025	.11	"
30 - 35	Altered aplite, some altered granite. Fine-grained sulf.	75	"	.030	.07	"
35 - 40	Altered aplite and granite to 36'. Hard aplite, some fresh granite 36 to 40'	80	"	.035	.09	"
40 - 45	Hard aplite. Altered granite ~~44~~ 44 to ~~50~~ 45'	55	"	.055	.06	"
45 - 50	Altered granite to 46½'. Fresh granite 46½ to 50'	65	"	.030	.06	"
50 - 55	Completely altered aplite and granite. Some fine-grained sulfides	80	"	.035	.19	"
55 - 60	Completely altered granite with fine-grained sulfides	90	"	.045	.20	"
60 - 65	" " " " " "					
	Very small specks dog at 60'	60	"	.050	.11	"
65 - 70	Mainly altered aplite and granite. Patches fresh granite	20	"	.045	.08	"
70 - 75	Mainly altered aplite, some fine-grained sulfides and altered granite	70	"	.050	.10	"
75 - 80	Patches of fresh granite in completely altered granite with fine-grained sulfides	70	"	.035	.09	"
80 - 85	Completely altered granite and aplite. Fine-grained sulf.	40	"	.045	.13	"
85 - 90	Completely altered granite. Fine grained sulfides	35	"	.025	.10	"
90 - 95	" " " , brecciated. Fine-grained sulfides	65	"	.060	.11	"
95 -100	Completely altered granite, brecciated. Fine-grained sulfides	40	"	.200	.21	"
100-105	Completely altered granite and aplite. Fine-grained sulfides, small seams of stibnite	95	"	.110	.66	"
105-110	Completely altered granite and aplite. Good coarse-grained stibnite	95	"	.110	2.77	"
110-115	Completely altered granite and aplite. Good coarse-grained stibnite. Very small specks dog at 111'; small spots and str. dog at 113'	90	"	.100	2.53	"

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JUL 2 - 1956

Footage	Mineralogy	% Recovery	% WO3	Cu.	Au	% Sb	Also Core
115-120	Completely altered granite and aplite. Good coarse-grained stibnite. 1/4-inch str. WO3 at 116'	95	Tr	.165		1.73	AX
120-125	Completely altered granite & aplite. Good coarse-grained stibnite	95	Tr	.205		1.61	"
125-130	Completely altered granite & aplite. Good coarse-grained stibnite	80	Tr	.095		1.36	"
130-135	Completely altered granite & aplite. Good coarse-grained stibnite	90	Tr	.135		1.85	"
135-140	Completely altered granite & aplite. Some stibnite	90	Tr	.130		.56	"
140-145	" " " " " " "	5	Tr	.205		.18	"
145-150	" " " " " Fine-grained sulf.	12	Nil	.130		.26	"
150-155	" " " " " Fine-grained sulfide and stibnite	10	Tr	.105		.35	"
155-160	Completely altered granite & aplite. Fine-grained sulf.	12	Tr	.145		.29	"
160-165	" " " " " " " sulfide and stibnite	15	Nil	.125		.27	"
165-170	Completely altered granite & aplite. " " Sulfide. Stibnite at 169'	95	Nil	.125		.25	"
170-175	Completely altered granite & aplite. " " "	35	Nil	.140		.33	"
175-180	" " " " " " " " "	50	Nil	.140		.26	"
180-185	" " " " " " " " "	25	Nil	.130		.17	"
185-190	" " " " " " " " "	15	Tr	.105		.20	"
190-195	" " " " " " " " "	8	Tr	.140		.15	"
195-200	" " " " " " " " "	5	Tr	.090		.29	"
200-205	Altered granite breccia	20	Nil	.100		.10	"
205-210	Altered aplite and granite breccia to 206'. Altered and soft lamprophyre dike to 209'; granite breccia to 210'	70	Tr	.075		.08	"
210-215	Altered granite breccia	40	Nil	.050		.14	"
215-220	" " "	8	Nil	.055		.08	"
220-225	" " "	20	Nil	.050		.08	"

End of hole at 225 feet.

Note: All assays are sludge assays.
Trace and nil values of WO_3 determined by lamplac.
All core and sludges logged.

[illegible] Drill Hole No. DM-15

Driller's Notes

Date Start: 7/19/54 Drillers: Manning, Driscoll

Finish: 7/20/54 Helpers: Ross, Delta

Footage	Remarks
0 - 5	Altered granite
5 - 10	Fresh granite
10 - 20	Altered granite; grey sludge
20 - 45	Altered granite and quartz
45 - 50	Fresh granite and aplite
50 - 60	Altered granite and quartz
60 - 65	Altered granite
65 - 75	Granite and quartz
75 - 80	Altered granite
80 - 85	Altered granite; one little spot of concelite
85 - 90	Altered granite
90 - 95	Altered granite -- some gouge
95 -100	Altered granite -- very soft and broken up
100-105	Altered granite and quartz. Very hard.
105-110	Stibnite; some quartz
110-119	Altered granite; some stibnite. Stringers of concelite
119-135	Altered granite; some stibnite
135-140	Stibnite and quartz
140-155	Quartz and gouge. Very soft; lots of sludge. Practically no core recovery.
155-165	Slightly altered. Very soft and gouey. Milky-grey sludge.
165-170	Altered granite; some sulfides. Some large sands. Drills easy. Milky sludge.

Hole No. 15 - page 2

Footage	Remarks
170-180	Sulfides. Soft; silty gray sludge.
180-195	Sulfides. Soft and gooey; silty sludge.
195-205	Sulfides. Soft and gooey; silty gray sludge.
205-205	Very soft and gooey; greyish sludge.
205-210	Fine. Silty sludge.
210-215	Soft and gooey. Sulfides. Silty sludge.
215-220	Soft and gooey. Silty sludge.
220-223	Soft and gooey. Some quartz.

End of hole.

COORDINATES 21,317.1 N — Yellow Pine Mine - Stibnite, Idaho — BEARING S 85° 36' E

19,704.1 E — DIAMOND DRILL HOLE No. D64-16 — INCLINATION Plus 2°

ELEVATION 6,658.8 — Page 1

Footage	Mineralogy	Recovery %	Sb %	Oz. Au	% Sb	Size Core
0 - 5	Mainly aplite; some altered granite	40	No sludge sample			BX
5 - 10	Mainly aplite to 7'; completely altered granite with fine-grained sulfides 7-12'	85	"	"	"	"
10 - 15	Completely altered granite with fine-grained sulfides	65	Tr	.065	.10	"
15 - 20	" " " " " "					
	Minor stibnite	50	Tr	.145	.14	"
20 - 25	Completely altered aplite and granite. Fine-grained sulf.	90	Tr	.080	.09	"
25 - 30	" " " " " " " "	60	Nil	.140	.09	"
30 - 35	" " " " " " " "	35	Nil	.125	.15	"
35 - 40	" " " " " " " "	90	"	.080	.11	"
40 - 45	" " " " " " " "	50	"	.075	.10	"
45 - 50	" " Granite. Fine-grained sulfides	90	"	.185	.22	"
50 - 55	" " " " " "	80	"	.225	.20	"
55 - 60	Completely altered granite & aplite. Fine-grained sulf.	15	"	.050	.52	"
60 - 65	Altered and brecciated granite with fine-grained sulfides to 62½'. Lamprophyre dike 62½ to 65'	55	"	.050	.13	"
65 - 70	Lamprophyre dike to 67½'. Altered and brecciated aplite and granite 67½ to 70'	60	"	.015	.07	"
70 - 75	Brecciated altered granite. Fault gouge	5	"	.015	.06	"
75 - 80	" " " " "	5	"	.005	.05	"
80 - 85	" " " " "	2	"	.005	.05	"

End of hole at 85 feet.

Note: All assays are sludge assays.
These are Nil values of SbO_3 determined by Lampion.
All core and sludges lumped.

[illegible] DRILL LOG, DDH-16

Driller's notes

Date Start: 7/26/54 Drillers: [illegible], [illegible]

Finish: 7/27/54 Helpers: Ross, [illegible]

Footage	Remarks
0 - 5	Aplite
5 - 10	Aplite w altered granite
10 - 15	Altered granite. Bluish sludge.
15 - 20	Altered granite and gouge. Bluish sludge.
20 - 25	Altered granite. Bluish sludge.
25 - 30	Altered granite and gouge. Bluish sludge.
30 - 35	Altered granite. Bluish sludge.
35 - 38	Altered granite and quartz. Milky sludge.
38 - 40	Aplite. Milky sludge.
40 - 45	Altered granite. Greyish sludge.
45 - 50	Altered granite and aplite. Bluish sludge.
50 - 55	Altered granite. Slickens. Bluish sludge.
55 - 60	Altered granite and aplite. Very soft. Milky sludge.
60 - 63	Altered granite and gouge. Very soft. Bluish sludge.
63 - 65	Slide and gouge seams. Milky sludge.
65 - 70	Slide and altered granite. Gouge. Milky sludge.
70 - 75	Gouge. Very soft. Milky sludge.
75 - 80	No core. About 30 inches of gouge. Milky sludge.
80 - 85	No core. Gouge. Milky sludge.

End of hole.

~~[illegible]~~
BRADLEY MINING CO.
TRIBUTARY MINE
Silverton, Idaho

RECEIVED 5
JUL 2 - 1956

COORDINATES: 21,022.6 N
19,760.3 E
ELEVATION: 6,652.1

DIAMOND DRILL HOLE NO. DDA -17

BEARING: N 47° 30' E
INCLINATION: Minus 37°
Page No. 1

Footage	Mineralogy	% Recovery	% SO_3	Oz. Au	% Pb	Size Core
0-5	Essentially fresh granite; minor alteration.	15	No sludge sample			BX
5-10	" " " " "	20	" " "			"
10-15	Fresh granite to 11 ft., completely altered granite with fine-grained sulfides 11 to 15 ft.	25	Nil	.055	.03	AX
15-20	Fresh granite.	85	Nil	.015	.05	"
20-25	Partially altered granite. Few fine-grained sulfides.	45	Nil	.010	.05	"
25-30	Mainly altered granite. " " " "	65	Nil	.010	.19	"
30-35	Altered granite. " " " "	60	Nil	.020	.16	"
35-40	" " " " " "	60	Nil	.010	.08	"
40-45	" " " " " "	35	Nil	.010	.11	"
45-50	" " " " " "	40	Nil	.010	.10	"
50-55	" " " " " "	55	Nil	.010	.06	"
55-60	Mixed fresh and altered granite. Minor fine-grained sulfides.	10	Nil	.010	.04	AX
60-65	Fresh granite.	20	Nil	.005	.03	"
65-70	Fresh granite to 66 ft. Altered granite and aplite 66 to 70 ft.	25	Nil	.005	.03	"
70-75	Altered granite. Few sulfides.	70	Nil	.010	.20	"
75-80	Altered granite and aplite. Few sulfides.	10	Nil	.005	.06	"
80-85	" " " " " "	20	Nil	Tr	.03	"
85-90	Aplite.	15	Nil	Tr	.04	"
90-95	Partially altered granite. Patches fresh granite.	30	Nil	.005	.09	"
95-100	Essentially fresh granite.	30	Nil	.005	.04	"
100-105	Fresh aplite and granite.	6	Nil	.005	.05	"
105-110	Altered granite. Very few sulfides.	30	Tr	.015	.21	"
110-115	Altered aplite. Sulfide seams 1/16-incl. stringer FeS_2 at 112'.	20	.32	.015	.13	"

~~[illegible]~~
BRAWLEY MINING CO.
YELLOW PINE MINE
Stibnite, Idaho

COORDINATES: 21,622.6 N DIAMOND DRILL HOLE NO. YPA-17 BEARING: S 47° 30' E

19,760.3 E INCLINATION: Minus 39°

ELEVATION: 6,652.1 Page No. 2

Footage	Mineralogy	% Recovery	% WO3	Oz. Au	% Sb	Size Core
115-120	Essentially fresh granite; patches altered granite.	30	.27	.010	.06	HX
120-125	Fresh granite; patches altered granite.	15	.04	.005	.05	"
125-130	Aplite.	15	.03	.020	.05	"
130-135	No core recovery.	0	.06	.040	.03	"
135-140	" " "	0	Tr	.025	.04	"
140-145	Fresh granite and aplite.	8	Tr	.020	.05	"
145-150	Fresh granite.	1	Tr	.010	.06	"
150-155	Aplite and fresh granite.	6	Tr	.005	.05	"
155-160	Fresh granite and aplite.	10	Tr	.005	.04	"
160-165	Fresh granite.	25	Tr	.015	.04	"
165-170	" "	8	Tr	.010	.04	"
170-175	" "	50	Tr	.010	.03	"
175-180	" "	45	Nil	.010	.04	"
180-185	" "	40	Tr	.020	.05	"
185-190	Fresh aplite.	12	Tr	.015	.04	"
190-195	" "	10	Tr	.015	.05	"
195-200	Fresh granite.	15	Nil	.015	.03	"

End of hole at 200 feet.

Note: All assays are sludge assays.
Traces and nil values of WO_3 determined by lamping, numerical values determined by assay.
All core and sludges lamped.

[illegible] DRILL HOLE NO. [illegible]-17

Driller's Notes

Date start: 7/20/54 Drillers: Keenan, Hersell

Finish: 8/10/54 Helpers: Ross, Smith

Footage	Remarks
0 - 10	Fresh granite. No sludge
10 - 15	Altered granite. Sulfides. Milky sludge.
15 - 25	Fresh granite. Milky sludge.
25 - 30	Fresh to altered granite. Milky sludge.
30 - 35	Altered granite. Grey sludge.
35 - 40	Slightly altered. Very hard and broken with some gouge seams. Milky sludge.
40 - 55	Slightly altered. Hard and broken. Milky sludge.
55 - 60	Slightly altered. Very soft and gouey. Milky sludge.
60 - 70	Fresh granite. Soft and gouey. Milky sludge.
70 - 75	Altered granite with sulfides. Soft. Milky-blue sludge.
75 - 80	Altered granite. Very soft. Milky sludge. Hole caving at 78 ft.
80 - 85	Fresh granite. Very soft. Milky sludge.
85 - 90	Aplite and gouge. Very soft. Milky sludge.
90 - 95	Fresh granite and aplite. Milky sludge. Hole caving at 92 ft.
95 -100	Fresh granite. Milky sludge.
100-105	Granite and aplite. Gouge seams. Greyish sludge. Hole cased from 75 ft. Drilled 30 ft. to bottom and cemented. Used 100 lbs. cement.
	Bit caught at 53 ft. Drilled 53 ft. cement. Placed by quite a bit of cave in cement from 70 to 90 ft. Some cave at 100 to 105 ft.
105-110	Altered granite and gouge seams. Greyish sludge.
110-115	Altered granite and quartz. Some schedlite. Milky sludge.

DIAMOND DRILL HOLE NO. DMA-27

Driller's Notes

Date Start: 7/23/54 Driller: Manning, Parkell

Finish: 8/10/54 Helper: Ross, Smith

Footage	Remarks
115-120	Fresh granite and aplite. Some gouge. Milky sludge.
120-125	Fresh granite and aplite. Some scheelite. Milky sludge.
125-130	Aplite and gouge seams. Greyish sludge.
130-135	Practically no core. Gouge. Lots of grey sludge. Hole is caving at 100 to 110 ft. and from 135 ft.
135-140	Fresh granite and aplite. Some gouge and sand. Milky sludge. Have lacked 12 to 18 inches of getting to bottom each run.
140-145	Fresh granite. Medium hard, broken. Hole still caving some. Milky sludge.
145-150	Fresh granite. Milky sludge. Washed 3 ft. to bottom. Lots of sludge.
150-155	Fresh granite and aplite. Milky sludge. Washed 3 ft. to bottom. Lots of sludge.
155-160	Fresh granite and aplite. Milky sludge. Washed 18 inches to bottom.
160-165	Fresh granite and aplite. Greyish sludge.
165-170	Aplite. Washed 2 ft. to bottom.
170-175	Aplite. Washed 6 ft. to bottom.
175-200	Fresh granite and sand. Lots of grey sludge. Hole caving in several places: 140 to 155 ft. and was caved tight at 180 ft. Had to wash and drill 17 ft. to get to bottom. Had trouble pulling and couldn't get back in beyond 182 ft. Washed hole and cemented approximately 65 ft. Cement did not set. Cleaned hole and put in two sacks of cement. Hit cement and cave at 110 ft. Not set up. Had trouble getting out of hole from 145 to 150 ft. End of hole.

~~[illegible]~~
FRANKLIN MINING CO.
FRANKLIN MINE
Wallace, Idaho

COORDINATES: 21,736.8 S
19,706.4 E

ELEVATION: 6,951.3

DIAMOND DRILL HOLE NO. DH-18

BEARING: N 88° 58' W

INCLINATION: Plus 8°

Page No. 1

Footage	Mineralogy	% Recovery	% SO3	Oz. Ag	% Pb	Blue Core
0-5	Fresh granite.	35	No sludge sample			BX
5-10	" "	70	"	"	"	"
10-15	" "	90	Nil	.005	.02	BX
15-20	" "	90	Tr	Tr	.01	"
20-25	" " . Patch altered granite at 24½ feet.	95	Nil	Tr	.01	"
25-30	" "	95	Nil	.010	.04	"
30-35	" " . Minor patches of alteration.	90	Nil	Tr	.04	"
35-40	Mixed fresh and altered granite. Very few sulfides.	65	Nil	.020	.05	"
40-45	Practically no core recovery. (one small piece of fresh granite)	1	Nil	.010	.03	"
45-50	Fresh granite.	25	Nil	.010	.04	"
50-55	" "	40	Nil	.010	.05	"
55-60	" " . some aplite.	50	Nil	.010	.02	"
60-65	Partially altered granite. Aplite.	8	Nil	.015	.05	"
65-70	Aplite.	20	Nil	.005	.03	"
70-75	Altered granite - very few sulfides.	25	Nil	.020	.02	"
75-80	Altered granite breccia. Fine-grained sulfides.	10	Nil	.010	.04	"
80-85	No core recovery.	0	Nil	.105	.03	"
85-90	Altered granite breccia. Fine-grained sulfides.	30	Nil	.120	.05	"
90-95	" " " " " " . No core					
	93 to 95 ft.	15	Nil	.120	.06	"
95-100	No core recovery.	5	Nil	.105	.04	"
100-105	Mixed lamprophyre dike and granite breccia.	10	Nil	.115	.06	"
105-108	Lamprophyre dike.	90	No sludge sample.			"

End of hole at 108 feet.

Note: All assays are sludge assays. Trace and nil values of SO3 determined by lamping.
All core and sludges logged.
The following sludges were assayed for silver:
80 to 85 feet 0.06 oz/ton Ag
100 to 105 feet 0.14 oz/ton Ag

DIAMOND DRILL HOLE NO. DMA-18

Driller's Notes

Date Start: 8/6/54 Drillers: Manning, Barkell

Finish: 8/8/54 Helpers: Ross, Smith

Footage	Remarks
0-5	Fresh granite and aplite. No sludge.
5-10	Fresh granite. No sludge.
10-30	Very hard fresh granite. White sludge.
30-35	Very hard fresh granite with a few sulfides in seams. White sludge.
35-40	Slightly altered to 38 ft., completely altered 38 to 40 ft. Some gouge. White to blue sludge.
40-45	No core. Very soft and gouey. White sludge.
45-50	Very soft and gouey to 48 ft. Hard fresh granite 48 to 50 ft. Grey sludge.
50-55	Fresh granite, some aplite. Milky sludge.
55-60	Fresh granite. Greyish sludge.
60-70	Slightly altered. Some gouge seams.
70-75	Fresh granite and gouge. White sludge.
75-80	Altered granite and gouge. Blue sludge.
80-85	No core. Talc and gouge. Blue sludge.
85-90	Completely altered granite with sulfides. Talc and gouge. Blue sludge.
90-93	Altered granite and gouge. Blue sludge.
93-100	No core. Talc and gouge. Blue sludge.
100-105	Altered granite, talc and gouge. 4 inches dike. White sludge.
105-108	Dike. White sludge.
	End of hole.

~~PROPERTY OF~~
BUNKER HILL CO.
~~BUNKER HILL MINE~~
~~Kellogg, Idaho~~

COORDINATES: 21,622.6 N DIAMOND DRILL HOLE NO. DDA-12 DIRECTION: N 87° 31' E

12,760.1 E INCLINATION: Plus 30°

ELEVATION: 5,657.6 Page No. 1

Footage	Mineralogy	% Recovery	SO_2	Cu. %	Zn %	Core
0-5	Essentially fresh granite, partially altered in places	60	No sludge sample			BX
5-10	" " " " " " "	60	" "	"		"
10-15	" " " " " " "	60	Nil	.005	.04	A
15-20	Altered granite. Few fine-grained sulfides.	60	Nil	.005	.04	"
20-25	Mixed altered and fresh granite.	65	Nil	Tr	.03	"
25-30	Altered granite. Some fine-grained sulfides.	65	Nil	.010	.05	"
30-35	Altered granite and aplite. Few fine-grained sulfides.	60	Nil	.010	.04	"
35-40	Mainly fresh granite, minor patches altered granite.	60	Nil	Tr	.03	"
40-45	Fresh granite.	65	Nil	.005	.04	"
45-50	" "	70	Nil	.005	.04	"
50-55	" "	65	Nil	.005	.04	"
55-60	Fresh granite to 58½. Altered granite with fine-grained sulfides 58½ to 60.	80	Nil	Tr	.03	"
60-65	Mixed altered and fresh granite.	90	Nil	.010	.02	"
65-70	Mainly altered granite. Some fine-grained sulfides.	80	Nil	.010	.05	"
70-75	Altered granite with fine-grained sulfides.	85	Nil	.010	.13	"
75-80	" " " " " "	90	Nil	.010	.06	"
80-85	" " " " " "	90	Nil	.010	.07	"
85-90	Hard, altered aplite to 87'. Altered granite with fine-grained sulfides 87 to 90 feet.	55	Nil	.010	.03	"
90-95	Altered granite; some aplite.	65	Nil	.005	.03	"
95-100	Mainly altered granite, some patches aplite and fresh granite.	65	Nil	.005	.03	"
100-105	Altered granite. Abundant fine-grained sulfides. Some brecciation.	95	Nil	.075	.07	"
105-110	Brecciated altered granite. Black gouge, fine-grained sulfides.	40	"	.010	.09	"
110-115	" " " " " " "	20	Nil	.015	.05	"
115-120	Brecciated altered granite. Fine-grained sulfides.	30	Nil	.025	.05	"
120-125	Hard, altered granite. Abundant fine-grained sulfides.	50	Nil	.100	.04	"

[illegible]
[illegible] MINING CO.
[illegible] MINE
Ithonite, Idaho

RECEIVED
JUL 2 - 1956

COORDINATES: 21,622.6 N
19,769.3 E

ELEVATION: 6,657.6

DIAMOND DRILL HOLE NO. [illegible]-19

BEARING: S 47° 00' E

INCLINATION: Plus 30°

Page No. 2

Footage	Mineralogy	% Recovery	% MO_3	Oz. Au	% Sb	Size Core
125-130	Hard, altered granite. Abundant fine-grained sulfides.	50	Nil	.155	.11	AX
130-135	" " " " " " "	35	Nil	.140	.23	"
135-140	Altered granite, fine-grained sulfides. Some gouge and brecciation.	20	Nil	.050	.28	"
140-145	Altered granite, fine-grained sulfides.	40	Nil	.050	.17	"
145-150	" " " " "	90	Tr	.040	.30	"
150-155	Altered granite and aplite. Fine-grained sulfides.	75	Nil	.040	.12	"
155-160	Very hard aplite to 158½. Fresh granite 158½ to 160'.	95	Nil	.035	.10	"
160-165	Essentially fresh granite. Patches of alteration.	85	Nil	.045	.14	"
165-170	Altered granite and aplite. Few fine-grained sulfides.	95	Nil	.040	.36	"
170-175	Altered granite to 172'. Fresh granite 172 to 175'.	65	Tr	.040	.50	"
175-180	Fresh granite.	100	Nil	.040	.20	"
180-185	" "	95	Nil	.030	.03	"
185-190	" " , patches of alteration.	70	Nil	.030	.09	"
190-195	" " " " "	90	Nil	.030	.07	"
195-200	Fresh granite to 198'. Aplite 198 to 200'.	75	Nil	.035	.11	"
200-205	Very hard aplite. Fine-grained sulfides along fractures.	65	Nil	.035	.10	"
205-210	" " " " " " " "	60	Nil	.025	.03	"
210-215	" " " " " " " "	20	Nil	.025	.05	"
215-220	" " " " " " " "	20	Nil	.025	.05	"
220-225	Hard aplite. Fine-grained sulfides.	35	Nil	.035	.01	"
225-230	Altered granite and aplite. Fine-grained sulfides.	35	Nil	.045	.05	"
230-235	Mainly fresh granite. Patches of alteration.	45	Nil	.020	.09	"
235-240	Altered granite. Some fine-grained sulfides.	45	Nil	.015	.04	"
240-245	" " " " " "	30	Nil	.020	.03	"
245-250	Mainly fresh granite. Minor patches of alteration.	30	Nil	.010	.02	"
250-255	" " " " " " "	90	Nil	Tr	.02	"
255-260	Fresh granite.	80	Nil	.005	Tr	"
260-265	" "	60	Nil	Tr	.02	"
265-270	" "	65	Nil	Tr	.01	"

[illegible]
[illegible] MINING CO.
[illegible] FOLD MINE
Kellogg, Idaho

COORDINATES: 21,622.5 E — DIAMOND DRILL HOLE NO. [illegible]-19 — BEARING: S 67° 00' E

19,760.3 N — INCLINATION: Plus 30°

ELEVATION: [illegible] — Page No. 3

Footage	Mineralogy	Recovery %	FeO3 %	Oz. Au	% Pb	Type Core
270-275	Green-erratic. Minor patches of alteration.	65	Nil	Tr.	.03	PX
275-280	" " " " " "	25	Nil	Tr	Tr	"

End of hole at 280 feet.

Note: All assays are sludge assays.
Trace and nil values of FeO3 determined by inspection. All core and sludges leached.

The following sludges were assayed for silver:

105 to 110 ft.	0.10	oz/ton Ag
130 to 135 ft.	0.12	oz/ton Ag
155 to 160 ft.	0.07	oz/ton Ag

DIAMOND DRILL HOLE NO. DDH-19

Driller's Notes

Date Start: 8/11/54 Drillers: Manning, Larkell

Finish: 8/20/54 Helpers: Rose, Smith

Footage	Remarks
0-10	Fresh granite. No sludge.
10-15	Fresh granite. Milky sludge.
15-20	Fresh granite; some sulfides. Milky-blue sludge.
20-25	Fresh and slightly altered granite. Some gouge. Milky sludge.
25-35	Altered granite; sulfides. Gray sludge.
35-40	Fresh granite. Very hard and broken. Milky sludge.
40-59	Fresh granite; some aplite. Milky sludge.
59-70	Fresh and altered granite. Milky-blue sludge.
70-75	Altered granite; sulfides. Milky-blue sludge.
75-83½	Altered granite; heavy sulfides. Milky-blue sludge.
83½-85	Slightly altered granite. Milky sludge.
85-90	Slightly altered granite; some sulfides. Milky sludge.
90-95	Slightly altered granite. Hard and broken. Milky sludge.
95-100	Fresh and altered granite. Sulfides. Grayish sludge.
100-105	Altered granite. Heavy sulfides. Bluish sludge.
105-115	Altered granite. Sulfides, gouge. Bluish sludge.
115-120	Altered granite; sulfides. Bluish sludge.
120-125	Altered granite; heavy sulfides, some gouge. Bluish sludge.
125-130	Altered granite; heavy sulfides. Dark blue sludge.
130-135	Altered granite; sulfides. Some gouge. Bluish sludge.
135-140	Altered granite. Some gouge. Grayish sludge.
140-145	Altered granite and gouge. Soft blue sludge.
145-150	Altered granite. Soft milky sludge.

DIAMOND DRILL HOLE NO. [illegible]-19

Driller's Notes

Date Start: 8/1/54 Drillers: Manning, Morkell

Finish: 8/20/54 Helpers: Rose, Smith

Footage	Remarks
150-153	Altered granite. Milky sludge.
153-154	Fresh granite. Milky sludge.
154-159	Aplite and fresh granite. Very hard—highly silicified. Milky sludge.
159-165	Fresh granite. Slightly altered from 164 to 165 ft. Hard and broken. Milky sludge.
165-170	Slightly altered granite. Gouge seams. Greyish sludge.
170-175	Fresh granite. Slightly altered from 170 to 172 ft. Milky sludge.
175-185	Fresh granite. Milky sludge.
185-193½	Fresh granite with slight alteration in seams. Milky sludge.
193½-198	Fresh granite, some aplite. Milky sludge.
198-210	Slightly altered granite. Very hard and broken. Milky sludge.
210-230	Core blocked at 214'. Slightly altered granite. Very broken, with gouge seams. Milky sludge.
230-240	Cased to 2[illegible] at 230 ft. Varied from slightly altered to fresh. Very broken. Milky sludge.
240-250	Altered granite and gouge; some fresh granite. Milky-blue sludge.
250-256	Slightly altered to fresh granite. Harder. Milky sludge.
256-265	Fresh granite. Milky sludge.
265-275	Fresh granite, some aplite.
275-280	Fresh granite. Milky sludge.
	End of hole.

~~STANDARD-ERA~~
BRALEY MINING CO.
IRON-THE BOMB
Stibnite, Idaho

COORDINATES: 21,304.1 N DIAMOND DRILL HOLE NO. DDA-20 BEARING: N 61° 15' W

19,717.8 E DIP DIRECTION: Plus 44°

ELEVATION: 6,664.5 Page No. 1

Footage	Mineralogy	% Recovery	% SbO_3	Oz. Au	% Sb	Size Core
0-5	Completely altered, brecciated granite. Abundant fine-grained sulfides.	90				BX
5-10	" " " " "	70				"
10-15	" " " " "	90	Nil	.055	.10	AX
15-20	Altered aplite to 19'. Altered granite 19 to 20'. Fine-grained sulfides.	45	Nil	Tr	.04	"
20-25	Altered aplite to 22'. Altered granite 22 to 25'. Fine-grained sulfides.	50	Nil	.015	.07	"
25-30	Completely altered, brecciated granite. Abundant fine-grained sulfides.	85	Nil	.245	.05	"
30-35	" " " " "	50	Nil	.025	.05	"
35-40	" " " " "	40	Nil	.025	.05	"
40-45	" " " " "	40	Nil	.240	.16	"
45-50	" " " " "	25	Nil	.100	.20	"
50-55	" " " " "	90	Nil	.230	.56	"
55-60	" " " " "	80	Nil	.330	.51	"
60-65	" " " " " , stibnite	75	Nil	.325	1.22	"
65-70	" " " " "	95	Nil	.290	1.60	"
70-75	" " " " "	85	Nil	.360	.60	"
75-80	" " " " "	100	Nil	.250	.37	"
80-85	" " " " "	95	Nil	.190	.26	"
85-90	" " " " "	75	Nil	.135	.16	"
90-95	" " " " "	95	Nil	.305	.21	"
95-100	" " " " "	55	Nil	.230	.15	"
100-105	" " " " "	95	Nil	.215	.22	"
105-110	" " " " "	45	Nil	.195	.31	"
110-115	" " " " "	55	Tr	.295	.31	"
115-120	" " " " "	15	Nil	.180	.13	"
120-125	" " " " "	6	Nil	.160	.21	"
125-130	Completely altered, brecciated granite to 127½'. Lamprophyre dike 127½ to 130'.	45	Nil	.210	.22	"

[illegible]
[illegible] MINING CO.
[illegible]
Silverton, Idaho

COORDINATES: 21,334.1 N DRILL HOLE NO. [illegible]-20 BEARING: [illegible] 61° 29' W

19,717.3 E INCLINATION: Plus 44°

ELEVATION: 6,464.5 Page No. 2

Footage	Mineralogy	% Recovery	% PbO_2	oz. Ag	% Pb	Size Core
130-135	Lamprophyre dike. Zone altered granite mixed with dike at 135'.	60	Nil	.170	.20	AX

End of hole at 135 feet.

Note: All assays are sludge assays.

Trace and nil values of PbO_2 determined by lumping. All core and sludges logged.

The following sludges were assayed for silver:

55 to 60 ft. 0.13 oz/ton Ag
80 to 85 ft. 0.12 oz/ton Ag
105 to 110 ft. 0.26 oz/ton Ag
130 to 135 ft. 0.14 oz/ton Ag

DIAMOND EAGLE HOLE NO. DEA-20

Driller's Notes

Date Start: 8/21/54 Drillers: Manning, Barkell

Finish: 8/23/54 Helpers: Rose, Smith

Footage	Remarks
0-4	Altered granite. No sludge.
4-5	Fresh granite. No sludge.
5-10	Altered granite, gouge seams. No sludge.
10-15	Altered granite, gouge seams. Bluish sludge.
15-22	Slightly altered granite, gouge seams. Grey sludge.
22-30	Completely altered granite, gouge seams. Bluish sludge.
30-60	Altered granite and gouge. Very soft. Bluish sludge.
60-75	Altered granite and gouge. Very soft. Very blue sludge.
75-90	Altered granite. Very soft. Grey sludge.
90-105	Altered granite. Some gouge. Grey sludge.
105-115	Altered granite, very soft. Light blue sludge.
115-120	Altered granite, very soft. Blue to milky sludge.
120-127½	Altered granite, very soft. Milky sludge.
127½-130	Like. Water course at 127½ foot. Milky sludge.
130-135	Dike and fault. Milky sludge.
	End of hole.

[illegible]
[illegible] MINING CO.
[illegible]
Wallace, Idaho

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JUL 2 - 1956

COORDINATES: 21,427.0 N
19,834.3 E

DIAMOND DRILL HOLE NO. [illegible]-21

BEARING: S 37° 37' E

INCLINATION: Plus 2°

ELEVATION: 6,655.9

Page No. 1

Footage	Mineralogy	% Recovery	% WO3	Oz. Au	% Mo	Size Core
0-5	Mixed altered and fresh granite.	30				XX
5-10	" " " " " . Brecciated 9 to 10'.	30				"
10-15	Fresh granite.	50	Tr	Tr	.01	XX
15-20	" "	55	Nil	Tr	.01	"
20-25	" " . Patch of alteration 22 to 23'.	95	Nil	.005	.01	"
25-30	Fresh granite to 25½', aplite 25½ to 27', altered granite with fine-grained sulfides 27 to 30'.	40	Tr	.005	.03	XX from 27'
30-35	Altered granite with fine-grained sulfides to 32'. Fresh granite 32 to 35'.	15	Tr	.005	.02	XX
35-40	Fresh granite. Minor patch of alteration at 39'.	35	Tr	.005	.02	"
40-45	" "	15	Tr	.005	.02	"
45-50	" " . Aplite 49 to 50'.	15	Tr	.005	.02	"
50-55	" "	35	Tr	.010	Tr	"
55-60	" "	35	Tr	.010	Tr	"
60-65	Aplite.	65	Tr	.010	Tr	"
65-70	"	55	Tr	.010	Tr	"
70-75	Aplite to 71', fresh granite 71 to 72', aplite 72 to 75'.	55	Tr	.005	.02	"
75-80	Fresh granite.	30	Tr	.005	.02	"
80-85	" "	60	Tr	.005	.02	"
85-90	" "	80	Tr	.005	.02	"
90-95	Aplite to 91'. Fresh granite with minor patches of alteration 91 to 95'.	50	Nil	.005	.01	"
95-100	Fresh granite.	30	Nil	.005	.01	"

End of hole at 100 feet.

Note: All assays are sludge assays.
Trace and nil values of WO_3 determined by leaning. All core and sludges leaned.

DIAMOND DRILL HOLE NO. DDA-21

Driller's Notes

Date Start: 8/23/54 Driller: Manning, Marshall

Finish: 8/24/54 Helpers: Ross, Smith

Footage	Remarks
0-10	Fresh and altered granite, soft. Milky sludge.
10-15	Fresh and altered granite. Milky sludge.
15-25	Fresh granite. Milky sludge.
25-27	Fresh granite and aplite. Milky sludge.
27-35	Aplite, fresh and altered granite. Very soft and gouge. Grey sludge.
35-40	Fresh granite. Milky sludge.
40-60	Fresh granite and aplite. Milky sludge.
60-65	Aplite. Very hard. Milky sludge.
65-75	Aplite and fresh granite. Milky sludge.
75-82	Fresh granite and aplite. Gouge seams. Milky sludge.
82-100	Fresh granite and aplite. Milky sludge.
	End of hole.

COORDINATES 21,193.3 N
19,666.7 E

ELEVATION: 6,757.6

Yellow Pine Area
Stibnite, Idaho

DIAMOND DRILL HOLE No. DDH-32

BEARING S 70° 30' W

INCLINATION: Plus 58°

Page 4

Feetage	Mineralogy	% Core Recovery	% Sb	Oz. Au	% Sb	Size Core
0 - 5	Completely altered granite. Minor fine-grained sulfides	80				BX
5 - 10	" " " " " " "	30	Nil	.025	.04	"
10 - 15	" " " " " " "	90	"	.075	.05	"
15 - 20	" " " " " " "	15	"	.020	.04	"
20 - 25	" " " " " " "	40	"	.020	.07	"
25 - 30	" " " " " " "	15	"	.010	.04	"
30 - 35	" " " " " " "	15	"	.005	.03	"
35 - 40	" " " " " " "	30	"	.010	.04	"
40 - 45	Altered aplite. Minor fine-grained sulfides	65	"	.030	.03	"
45 - 50	Completely altered granite	15	"	.015	.02	"
50 - 55	Altered granite; patci fresh granite	25	"	.005	.03	"
55 - 60	" " " " "	25	"	.005	.04	"
60 - 65	Altered granite	5	"	.005	.03	"
65 - 70	Completely altered granite and aplite. Some fine-grained sulfides	25	"	.015	.03	"
70 - 75	Completely altered granite and some fine-grained sulfides	15	"	.005	.02	"
75 - 80	Completely altered granite. Fine-grained sulfides, some stibnite	10	"	.015	.76	"
80 - 85	Lamprophyre dike	90	"	.130	.30	"
85 - 90	Lamprophyre dike to 88'. Dark-gray fault zone 88 to 89'. rhyolite dike 89 to 90'	45	"	.090	.21	"

End of hole at 90 feet

Note: All assays are sludge assays. All values of Sb determined by Lanphing. All core and sludges lamped.

[illegible] DRILL HOLE NO. [illegible]-22

Driller's Notes

Date Start: 9/18/55
Finish: 9/21/55

Drillers: Manning, Worrall
Helpers: Martin, Longoero

Footage	Remarks
0 - 5	Altered granite, no sludge
5 - 15	Altered granite, very soft. Grayish sludge.
15 - 25	Altered granite. Greyish sludge.
25 - 30	Altered granite, very soft. Greyish sludge.
30 - 40	Altered granite and gneiss. Grey sludge.
40 - 45	Aplite, harder. Milky sludge.
45 - 55	Altered granite, soft. Grey sludge.
55 - 60	Fresh granite. Milky sludge.
60 - 65	Fresh granite, some aplite.
65 - 75	Fresh granite, very broken. White sludge.
75 - 80	Altered granite, some sulfides. Dark grey sludge.
80 - 85	Silt film and water at 81 feet. Brown sludge.
85 - 90	Slime and sand. Very soft.
	Bad at hole.

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JUL 2 - 1956

COORDINATES 21,392.8 N

19,696.3 E

ELEVATION 6,751.3

YELLOW PINE MINE
Stibnite, Idaho

DIAMOND DRILL HOLE NO. DDH-23

BEARING: S 81° W, 8

INCLINATION: Plus 2°

Page 1

Footage	Mineralogy	% Core Recovery	Au	Ag	Sb	Also Core
0 - 5	Altered granite to 3'. Fresh granite 3 to 5'	60				BX
5 - 10	Essentially fresh granite	5	Nil	.040	.11	AX
10 - 15	Mixed altered and fresh granite (mainly altered)	25	"	.040	.05	"
15 - 20	Aplite and altered granite	5	Nil	.020	.10	"
20 - 25	No core recovery	0	"	.070	.12	"
25 - 30	Completely altered granite. Some fine-grained sulfides	30	"	.200	.16	"
30 - 35	" " " " " " "	35	"	.205	.14	"
35 - 40	" " " " " " "	20	"	.100	.13	"
40 - 45	" " " " " " "	70	"	.050	.12	"
45 - 50	" " " " " " "	5	"	.070	.04	"

End of hole at 50 feet.

Note: All assays are sludge assays. Trace and Nil values of Ag determined by panning. All core and sludges logged.

Diamond Drill Hole No. DDH-23

Driller's Notes

Date start: 3/21/95
Finish: 3/22/95

Driller: Jennine, Darrell
Helpers: Martin, Lawrence

Footage	Remarks
0 - 5	Slightly altered granite. No sludge.
5 - 10	Slightly altered granite and gouge. Very soft. Lots of milky-gray sludge.
10 - 15	Fresh granite and aplite. White sludge.
15 - 20	Fresh granite. Very soft. White and gray sludge.
20 - 25	No core. Very soft. Lots of cobble, dark gray sludge.
25 - 30	Altered granite, very soft. Lots of gray sludge.
30 - 35	Altered granite, some aplite. Soft. Gray sludge.
35 - 40	Altered granite. Soft. Gray sludge.
40 - 45	Altered granite and aplite. Soft. Gray sludge.
45 - 50	Fresh granite, aplite. White sludge.

End of hole

COORDINATES 21,392.1 N

19,687.1 E

ELEVATION: 6,756.84

[illegible] Mine [illegible]

Diamond Drill Hole No. DDH-44

BEARING: S 34° 33° [illegible]

INCLINATION: Plus 39°

Page 1

Footage	Mineralogy	% Core Recovery	% WO3	oz. Au	% Pb	Also Core
0 - 5	Completely altered granite. Some fine-grained sulfides	20				BX
5 - 10	" " " " " " "	25				"
10 - 15	" " " " " " "	15	[illegible]	.025	.07	BX
15 - 20	" " " " " " "	5	"	.020	.05	"
20 - 25	" " " " " " "	45	"	.065	.11	"
25 - 30	" " " " " " "	50	"	.175	.14	"
30 - 35	" " " " " " "	75	"	.190	.15	"
35 - 40	" " " Minor stibnite. Fine-grained sulfides	50	"	.075	.15	"
40 - 45	" " " Fine-grained sulfides	20	"	.040	.09	"
45 - 50	" " " " " "	30	"	.060	.18	"
50 - 55	" " " " " "	35	"	.145	.08	"
55 - 60	" " "	5	"	.210	.11	"
60 - 65	" " " Some stibnite. Fine-grained sulfides	10	"	.170	.32	"
65 - 70	" " " Some stibnite. Fine-grained granite	5	"	.200	.10	"
70 - 73	Lamprophyre dike.	100	"	.110	.25	"

End of hole at 73 feet.

Note: All assays are sludge assays. All values of WO3 determined by panning. All core and sludges logged.

DIAMOND DRILL [illegible] No. [illegible]

Driller's Notes

Date Start: 3/23/55
Finish: 3/24/55

Drillers: Fannius, Duravil
Helpers: Martin, Lobacero

Footage	Remarks
0 - 10	Altered granite. No sludge.
10 - 20	Altered granite. Lots of grey sludge.
20 - 30	Altered granite, soft. Grey sludge.
30 - 35	Altered granite and aplite. Grey sludge.
35 - 50	Altered granite. Very soft. Grey sludge.
60 - 70	Altered granite. Soft, gouge. Grey sludge.
70 - 79	Leucophyre dike. White-ish sludge. Hit very large amount of water under high pressure.

End of hole.

COORDINATES 21,249.8 N

19,669.3 E

ELEVATION 6,754.2

YELLOW PINE MINE
Stibnite, Idaho

Diamond Drill Hole No. DDA-25

BEARING N 64° 40' E

INCLINATION Plus 2°

Footage	Mineralogy	% Core Recovery	% WO3	Oz. Au	% Sb	Size Core
0 - 5	Generally altered granite; patches of fresh granite	60				BX
5- 10	Fresh and partially altered granite	10	Nil	.025	.02	AX
10 - 15	" " " " "	5	"	.025	.08	"
15 - 20	" " " " "	8	"	.020	.08	"
20 - 25	Aplite	10	"	.015	.06	"
25 - 30	Essentially fresh granite - minor alteration	15	"	.010	.05	"
30 - 35	" " " " "	10	"	.005	.06	"
35 - 40	" " " " "	5	"	.010	.05	"
40 - 45	No core recovery	0	"	.060	.13	"
45 - 50	Altered granite	8	"	.060	.05	"
50 - 55	Generally altered granite; patches of fresh granite	35	"	.070	.09	"
55- 60	Fresh granite	30	"	.030	.08	"
60 - 65	" "	60	"	.055	.06	"
65 - 70	" "	60	"	.060	.05	"
70 - 75	" "	30	"	.055	.07	"
75 - 80	" "	75	"	.060	.05	"
80 - 85	" "	60	"	.035	.05	"
85 - 90	" " , some aplite	20	"	.040	.07	"
90 - 95	Fresh granite to 93'; altered aplite 93 to 95'	30	"	.035	.09	"
95 - 99	Altered aplite to 97'; fresh granite 97 to 99'	75	"	.030	.07	"

End of hole at 99 feet.

Note: All assays are sludge assays.
Nil values of WO3 determined by lacping.
All core and sludges lamped.

DIAMOND DRILL HOLE NO. DMA-29

Driller's Notes

Date Start: 5/4/55 Driller: Manning
Finish: 5/9/55 Helper: Barkell

Footage	Remarks
0 - 5	Slightly altered granite; soft. No sludge.
5 - 20	Fresh granite and gouge. Milky sludge.
20 - 25	Quartz and gouge. Milky sludge.
25 - 40	Fresh granite and gouge. Milky sludge.
40 - 45	Very soft. Grey sludge.
45 - 54	Altered granite with gouge. Grey sludge.
54 - 61	Fresh granite; harder. Milky sludge.
61 - 88	Fresh granite. Hard and broken. Milky sludge.
88 - 92	Fresh granite. Milky sludge.
92 - 95	Fresh and altered granite. Milky sludge.
95 - 97	Slightly altered granite. Milky sludge.
97 - 99	Slightly altered to fresh granite. Milky sludge.

End of hole

COORDINATES 21,331.8 E
19,691.7 S

ELEVATION 6,826.4

YELLOW PINE MINE
Stibnite, Idaho

DIAMOND DRILL HOLE NO. DDH-26

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BEARING S 51° E

INCLINATION Plus 30°

Footage	Mineralogy	% Core Recovery	% Sb	Oz. Au	% Sb	Size Core
0 - 5	Altered granite, minor sulfides	30				AX
5 - 10	" " " "	35	Nil	.005	.09	BX
10 - 15	" " " "	40	"	.010	.06	"
15 - 20	" " " "	10	"	.010	.08	"
20 - 25	" " " "	10	"	.025	.04	"
25 - 30	" " " "	5	"	.005	.05	"
30 - 35	" " " "	25	"	.030	.04	"
35 - 40	" " " "	20	"	.020	.04	"
40 - 45	Recemented altered granite breccia. Fine-grained sulfides	15	"	.260	.13	"
45 - 48	Recemented altered granite breccia. Fine-grained sulfides	8	"	.200	.09	"

Lamprophyre dike at 48 feet.

End of Hole at 48 feet.

Note: All assays are sludge assays.
Nil values of Sb3 determined by lamping.
All core and sludges lamped.

DIAMOND DRILL HOLE No. DH-26

Driller's Notes

Date Start: 11/11/55
Finish: 11/18/55

Driller: Manning
Helper: Longacre

Footage	Remarks
0 - 5	Altered granite and gouge. No sludge recovered.
5 - 15	Altered granite and gouge. Grey sludge
15 - 30	Altered granite and gouge. Milky grey sludge
30 - 40	Altered granite, soft and broken
40 - 43	Altered granite. Grey sludge
43 - 48	Altered granite. Very soft, lots of sludge. Dike at 47½ feet. Bluish grey sludge to 46 feet, milky from 46 to 48 feet.
	End of Hole.

COORDINATES 21,333.2 N

19,697.0 E

ELEVATION 6,825.4

YELLOW PINE MINE
Stibnite, Idaho

DIAMOND DRILL HOLE NO. DDH-27

BEARING S 11° W

INCLINATION Plus 40°

Page 1

Footage	Mineralogy	% Recovery	% WO_3	Oz. Au	% Sb	Size Core
0 - 5	Altered granite, chlorite	25				
5 - 10	Altered granite, breccia. Fine-grained sulfides	15	Nil	.015	.09	AX
10 - 15	" " " " " "	20	"	.010	.13	BX
15 - 20	" " " " " "	8	"	.010	.09	"
20 - 25	" " some fresh granite	8	"	.005	.07	"
25 - 30	" "	15	"	.010	.08	"
30 - 35	" "	3	"	.005	.10	"
35 - 40	Mixed altered and fresh granite	4	"	Tr	.08	"
40 - 45	" " " " "	15	"	.005	.09	"
45 - 50	Altered granite	30	"	.030	.06	"
50 - 55	" "	50	"	.025	.09	"
55 - 60	Altered granite to 58 ft. Granite breccia with fine-grained sulfides 58 to 60 ft.	50	Tr	.065	.14	"
60 - 65	Brecciated granite with fine-grained sulfides	3	Nil	.115	.15	"
65 - 70	Altered granite, some brecciation. Fine-grained sulfides	20	"	.040	.13	"
70 - 75	Altered granite. Fine-grained sulfides	25	"	.050	.13	"
75 - 80	" " " " "	35	"	.060	.17	"
80 - 85	" " " " "	10	"	.075	.10	"
85 - 90	Brecciated altered granite. Congo	3	"	.030	.02	"
90 - 95	Altered granite	10	"	.045	.25	"
95 -100	Altered granite, some brecciation. Fine-grained sulf.	40	"	.055	.24	"
100-105	" " " " " " "	3	"	.045	.09	"
105-110	" " " " " " "	8	"	.045	.14	"
110-115	" " " " " " "	5	Tr	.050	.12	"
115-120	" " " " " " "	5	Tr	.025	.10	"
120-125	" " " " " " "	3	Tr	.035	.09	"
125-130	" " " " " " "	10	Tr	.105	.07	"
130-135	" " " " " " "	16	Tr	.090	.05	"
135-137	" " " " " " "	20	Tr	.045	.04	"

End of hole at 137 feet.

Note: All assays are sludge assays. Trace and Nil values of WO_3 determined by lamping. All core and sludges lamped.

DIAMOND DRILL HOLE NO. [illegible]-37

Driller's Notes

Date Start: 11/19/55
Finish: 11/23/55

Driller: Kenning
Helper: Longacre

Footage	Remarks
0 - 5	Aplite and gouge. No sludge recovered
5 - 10	Altered granite, very soft. Milky grey sludge
10 - 20	Altered granite, very soft. Grey sludge
20 - 25	Altered and fresh granite, very soft. Milky sludge
25 - 30	Slightly altered, very soft. Milky sludge
30 - 35	Aplite and gouge, very soft. Milky sludge
35 - 40	Aplite, fresh granite and gouge. Milky sludge
40 - 50	Slightly altered, very soft. Milky sludge
50 - 55	Altered granite, medium hard. Milky sludge
55 - 60	Altered granite, medium hard. Heavy sulfides. Blue sludge
60 - 70	Heavy sulfides and gouge, very soft. Blue sludge
70 - 75	Heavy sulfides and gouge, very soft. Blue-grey sludge
75 - 85	Sulfides and gouge, very soft. Milky-grey sludge
85 - 90	Sulfides and gouge, very soft. Grey sludge
90 - 95	Sulfides, very soft. Blue and grey sludge
95 -100	Sulfides, medium soft. Grey to milky grey sludge
100-105	Sulfides, very soft. Milky grey sludge
105-110	Altered granite, soft. Milky grey sludge
110-120	Altered granite, very soft. Thick grey sludge
120-125	Gouge or talc. Very thick, grey sludge
125-137	Altered granite and gouge. Very thick, grey sludge
	End of hole.

Operator's Final Report
maps dated March 1, 1956
See memo - Weiss to OC
3/28/56

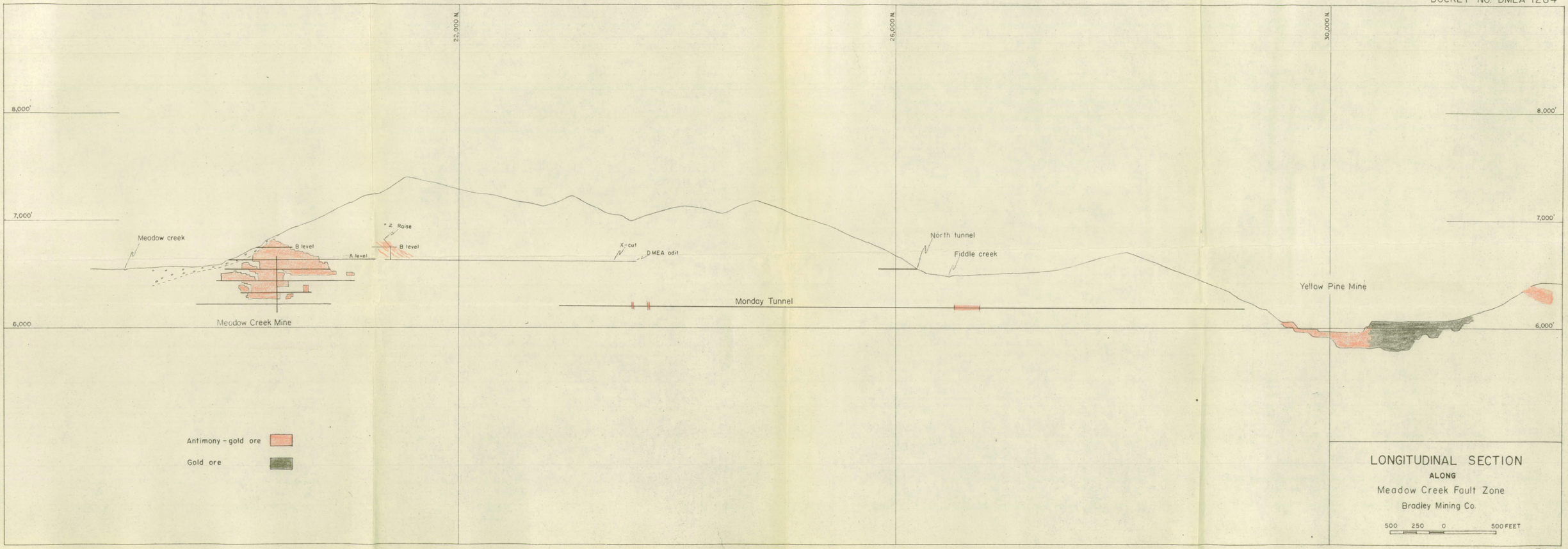
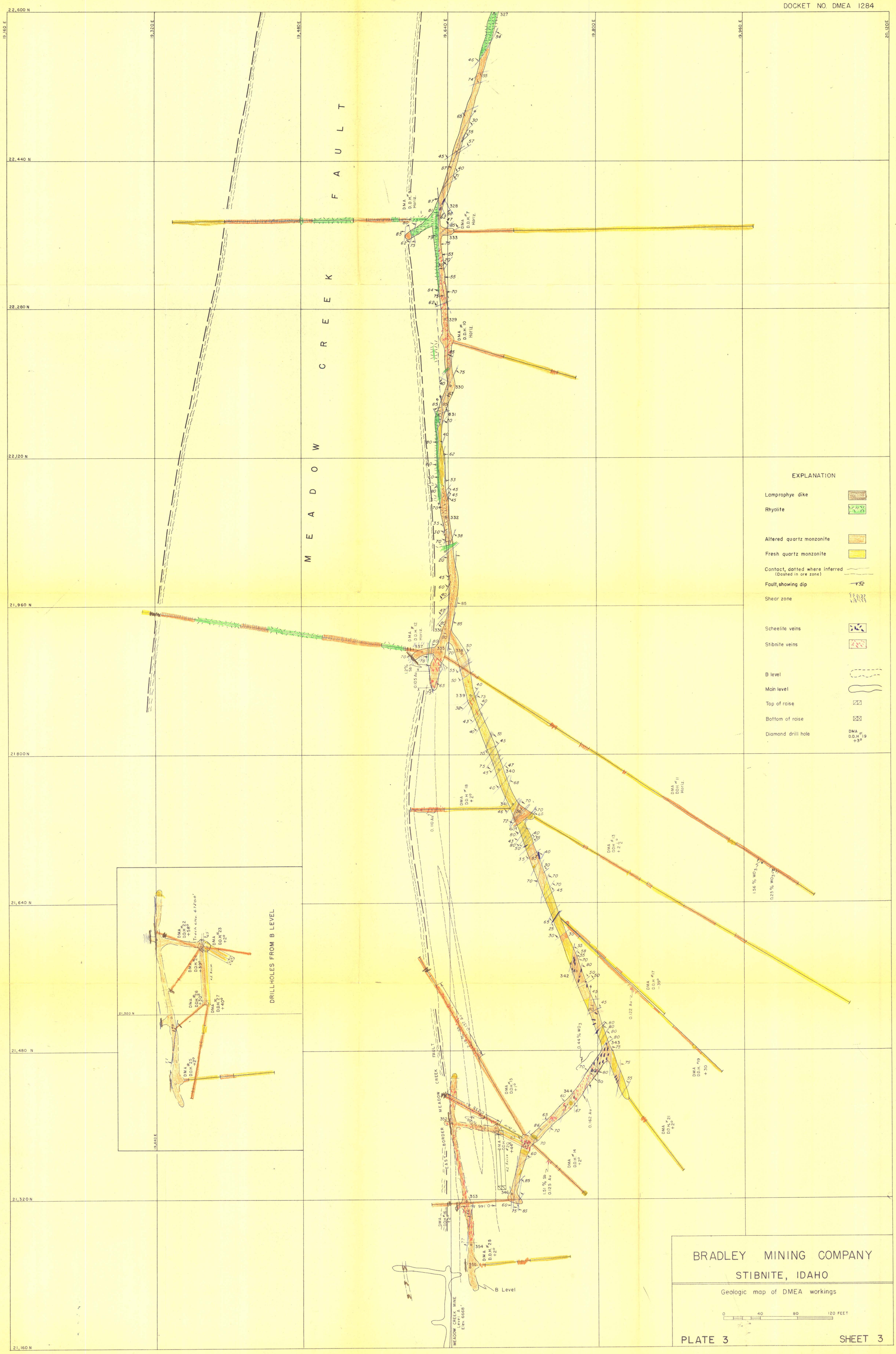

22,000 N.
26,000 N.
30,000 N.
8,000'
7,000'
6,000'
Meadow creek
B level
A level
#2 Raise
B level
X-cut
DMEA adit
North tunnel
Fiddle creek
Monday Tunnel
Yellow Pine Mine
Meadow Creek Mine
Antimony - gold ore
Gold ore
LONGITUDINAL SECTION
ALONG
Meadow Creek Fault Zone
Bradley Mining Co.
500 250 0 500 FEET

PLATE 2

RECEIVED
JUL 2 - 1956

DOCKET NO. DMEA 1284



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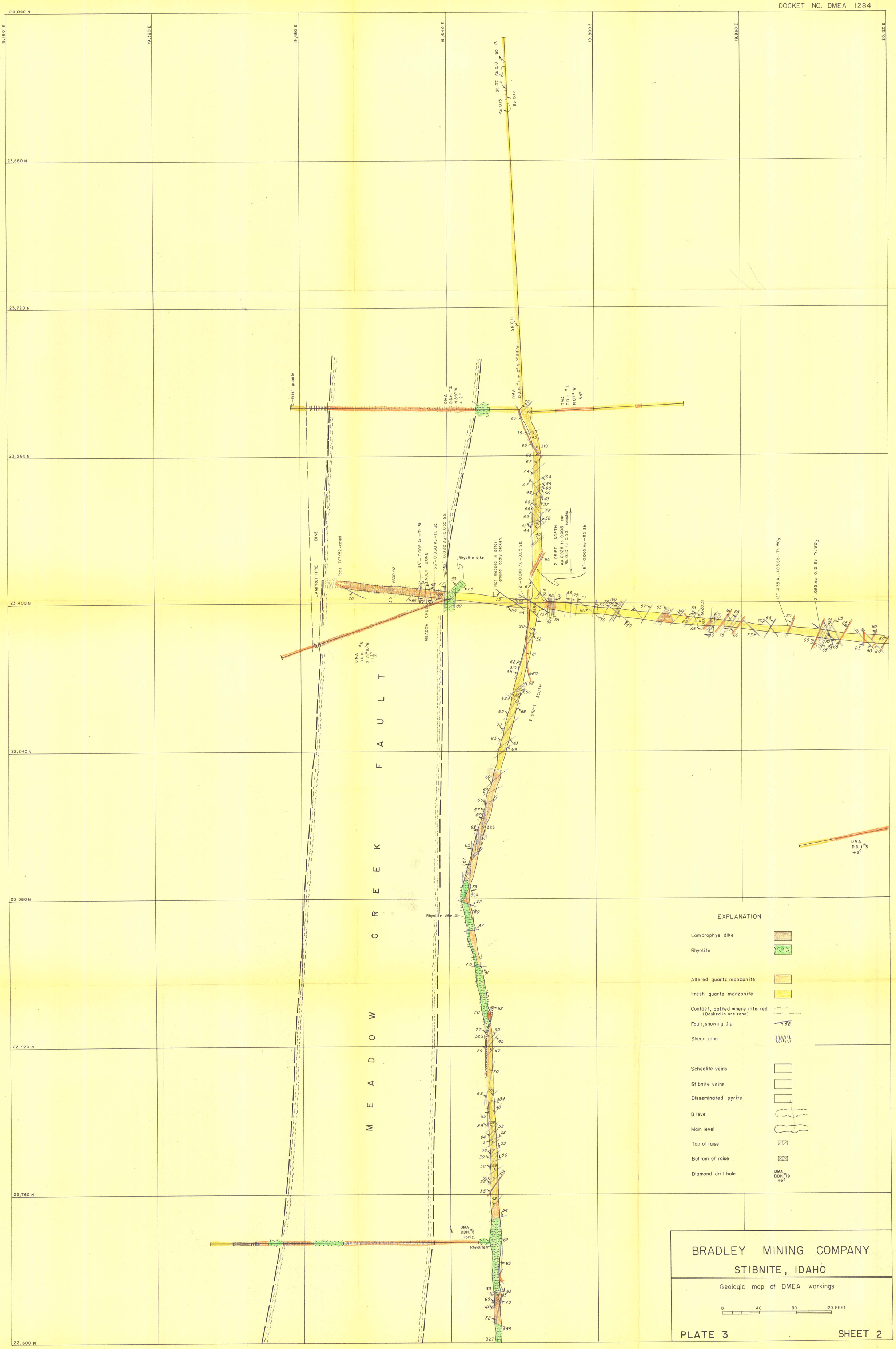


BRADLEY MINING COMPANY

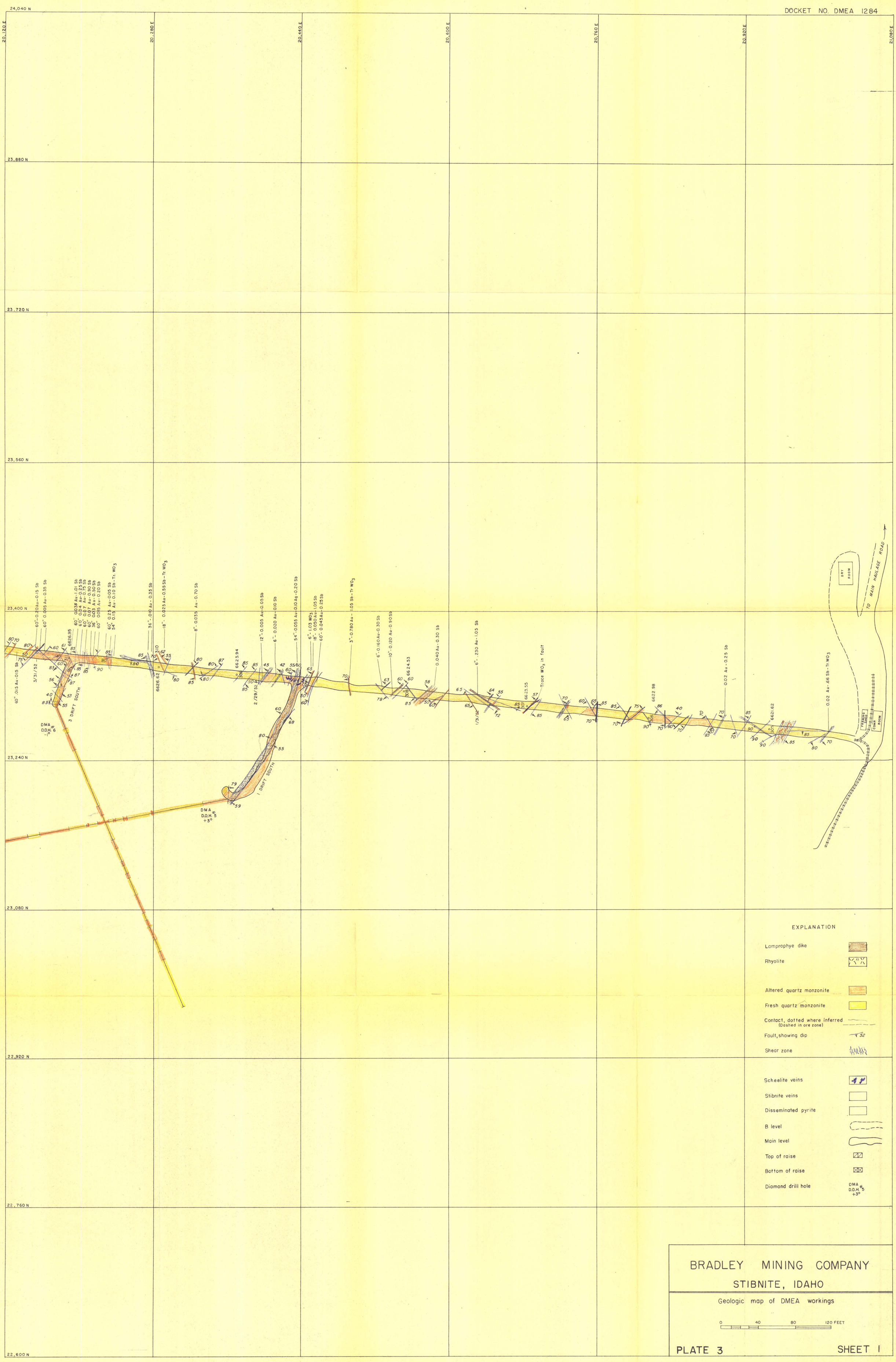
STIBNITE, IDAHO

Geologic map of DMEA workings

0 40 80 120 FEET

PLATE 3 SHEET 2

DOCKET NO. DMEA 1284



BRADLEY MINING COMPANY

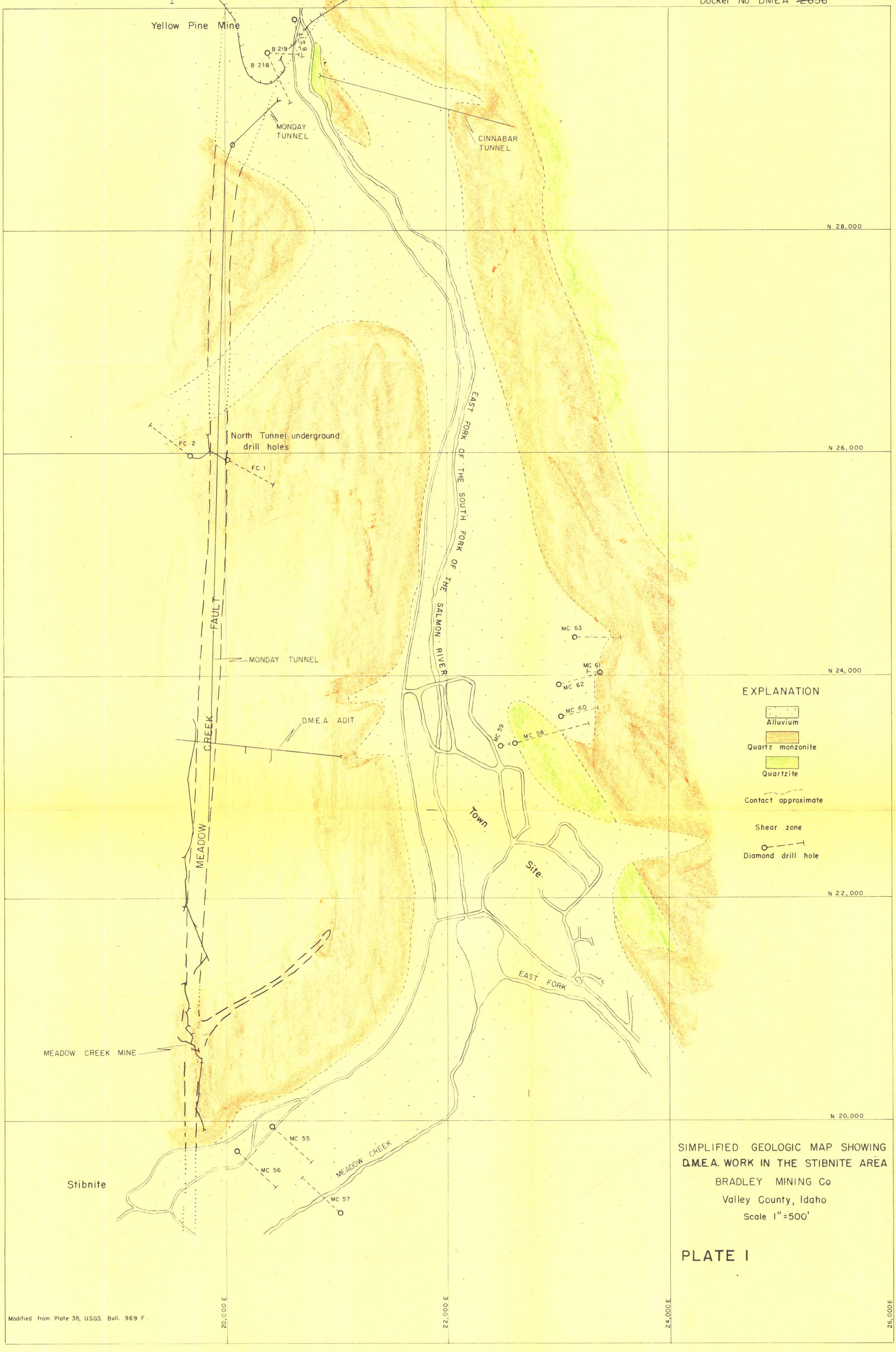
STIBNITE, IDAHO

Geologic map of DMEA workings

0 40 80 120 FEET

PLATE 3 SHEET 1

Docket No DMEA ~~2636~~ 1284

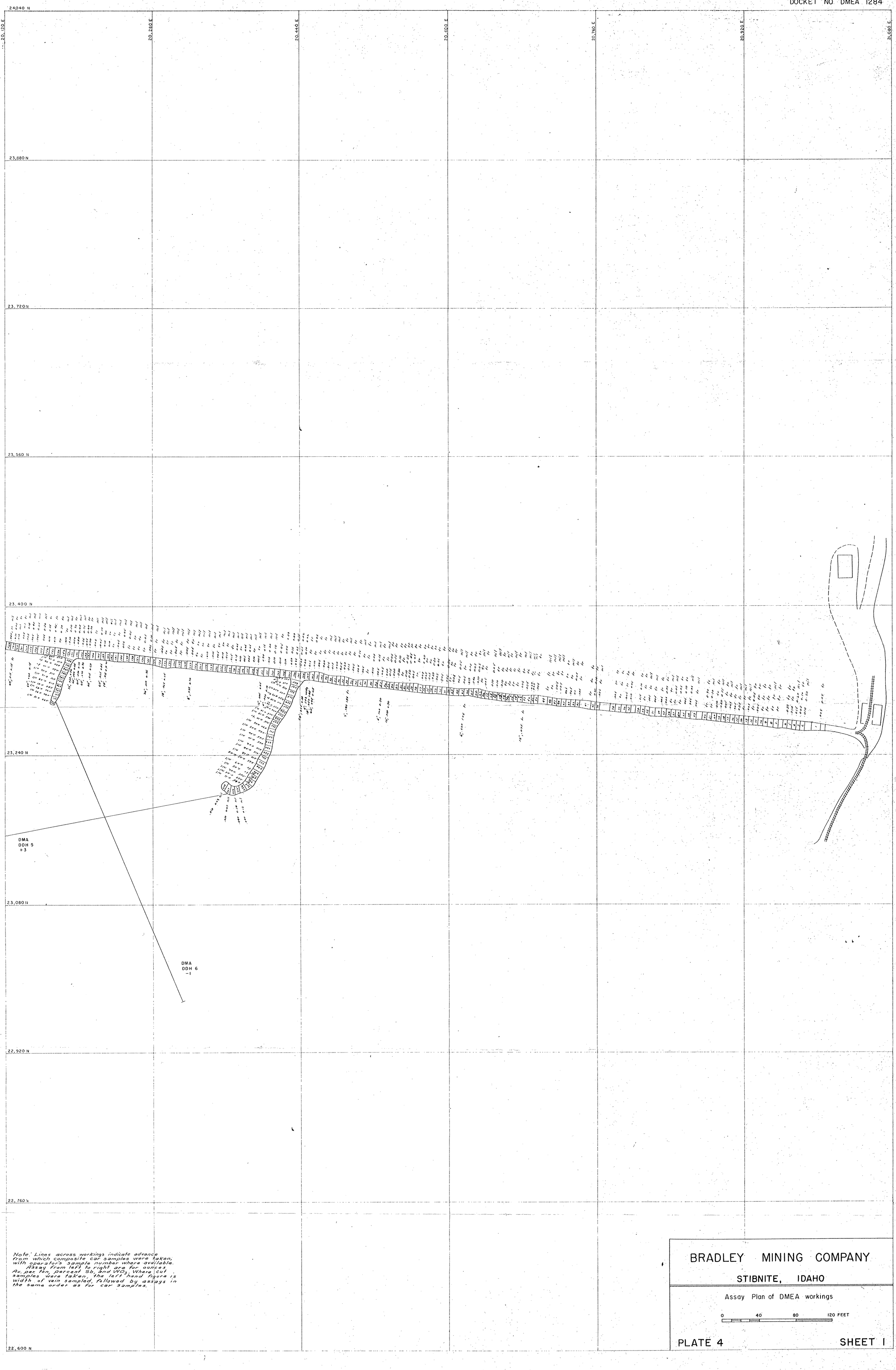


Modified from Plate 38, U.S.G.S. Bull. 969 F

SIMPLIFIED GEOLOGIC MAP SHOWING
D.M.E.A. WORK IN THE STIBNITE AREA
BRADLEY MINING Co
Valley County, Idaho
Scale 1" = 500'

PLATE I

DOCKET NO DMEA 1284



Note: Lines across workings indicate advance from which composite car samples were taken, with operator's sample number where available. Assay from left to right are for ounces Au. per ton, percent Sb, and WO_3. Where cut samples were taken, the left hand figure is width of vein sampled, followed by assays in the same order as for car samples.

BRADLEY MINING COMPANY

STIBNITE, IDAHO

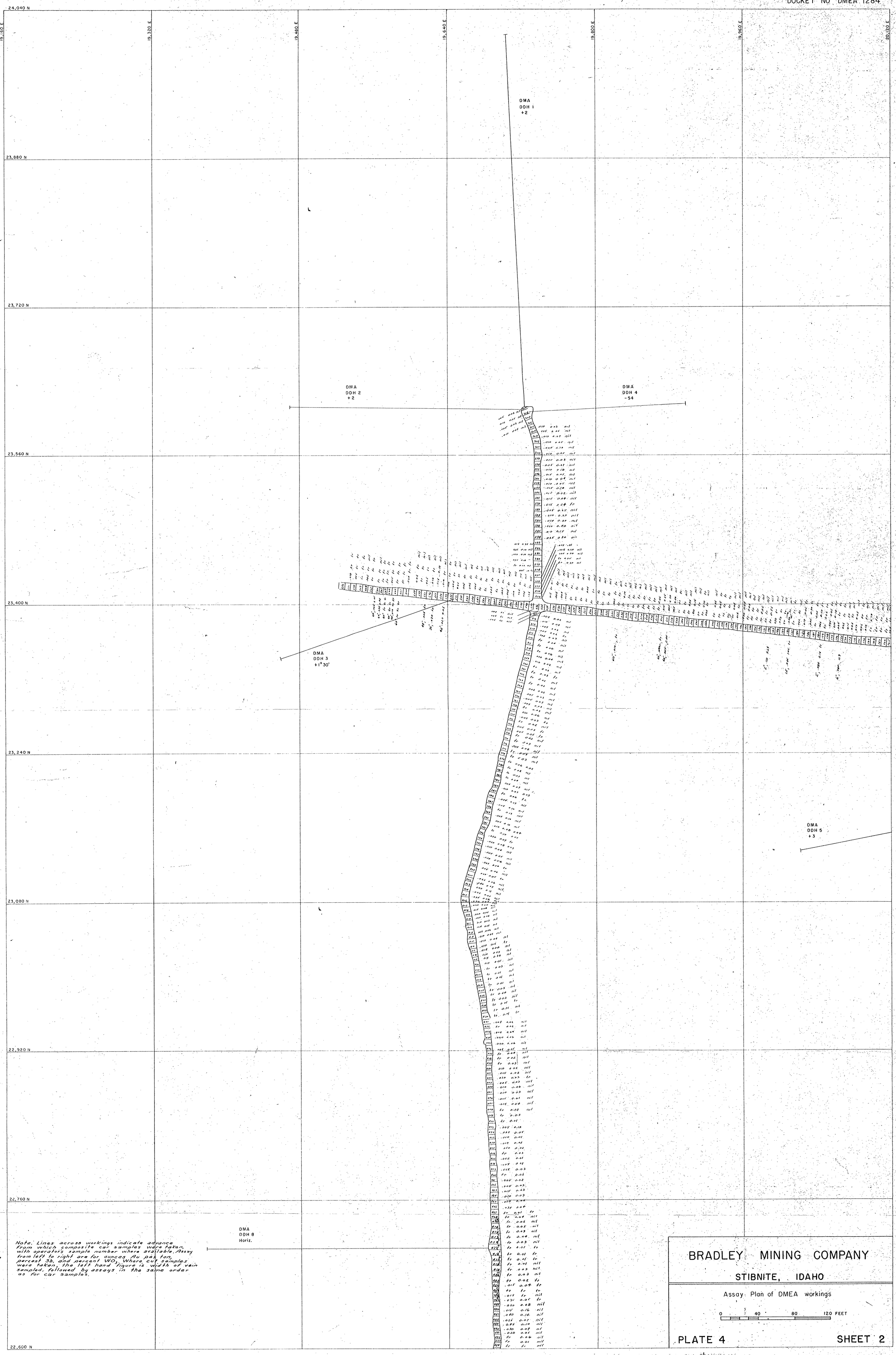
Assay Plan of DMEA workings

0 40 80 120 FEET

PLATE 4

SHEET 1

DOCKET NO DMEA 1284



Note. Lines across workings indicate advance from which composite car samples were taken, with operator's sample number where available. Assay from left to right are for ounces Au per ton, percent Sb, and percent WO_3. Where cut samples were taken, the left hand figure is width of vein sampled, followed by assays in the same order as for car samples.

BRADLEY MINING COMPANY

STIBNITE, IDAHO

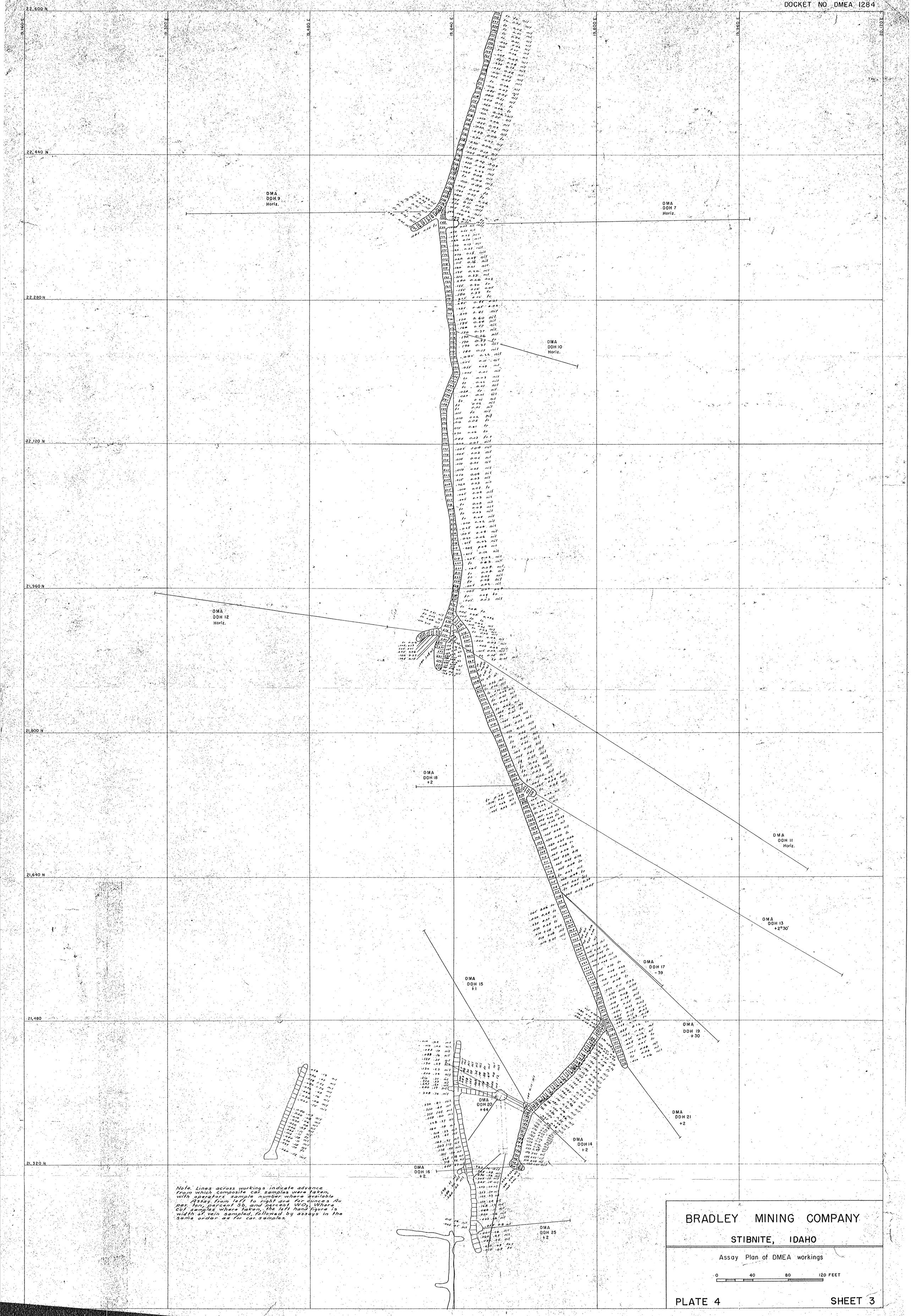
Assay Plan of DMEA workings

0 40 80 120 FEET

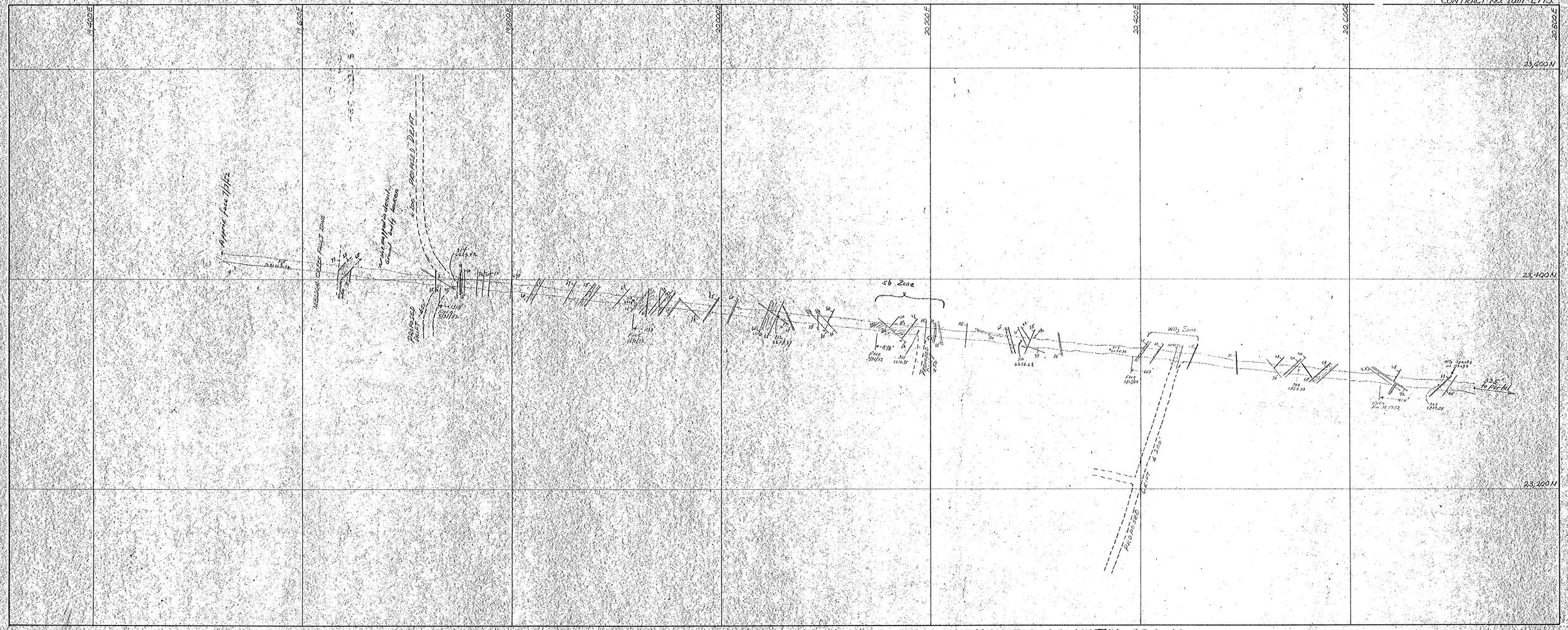
PLATE 4

SHEET 2

DOCKET NO DMEA 1284

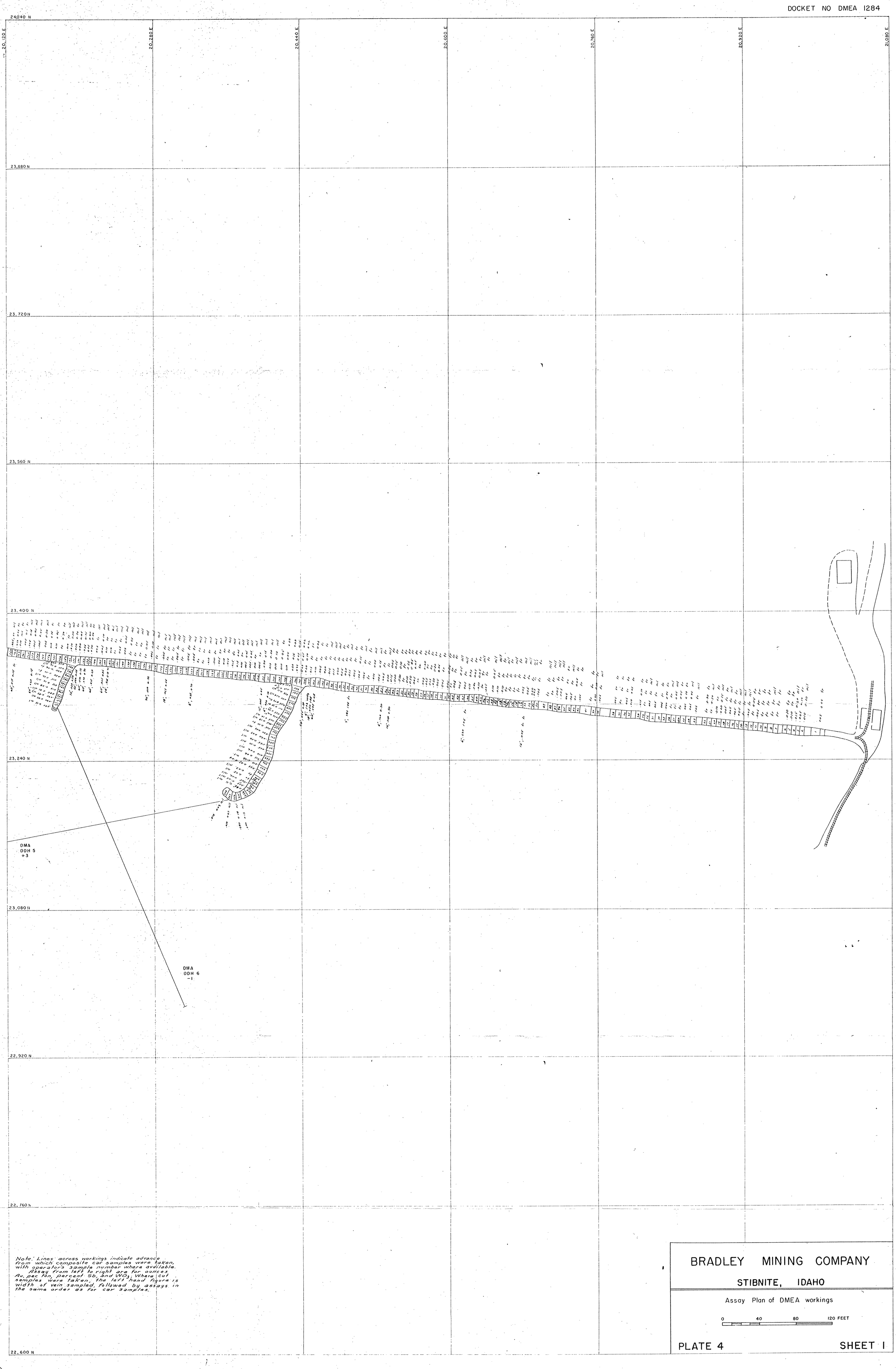


DMEA DOC "T" NO. 1284X
CONTRACT NO. IDM-E173



GEOLOGIC MAP OF DMEA TUNNEL, BRADLEY MINING CO, VALLEY COUNTY, IDAHO
1" = 40'

DOCKET NO DMEA 1284



Note: Lines across workings indicate advance from which composite car samples were taken, with operator's sample number where available. Assay from left to right are for ounces Au, per ton, percent Sb, and WO_3; Where cut samples were taken, the left hand figure is width of vein sampled, followed by assays in the same order as for car samples.

BRADLEY MINING COMPANY

STIBNITE, IDAHO

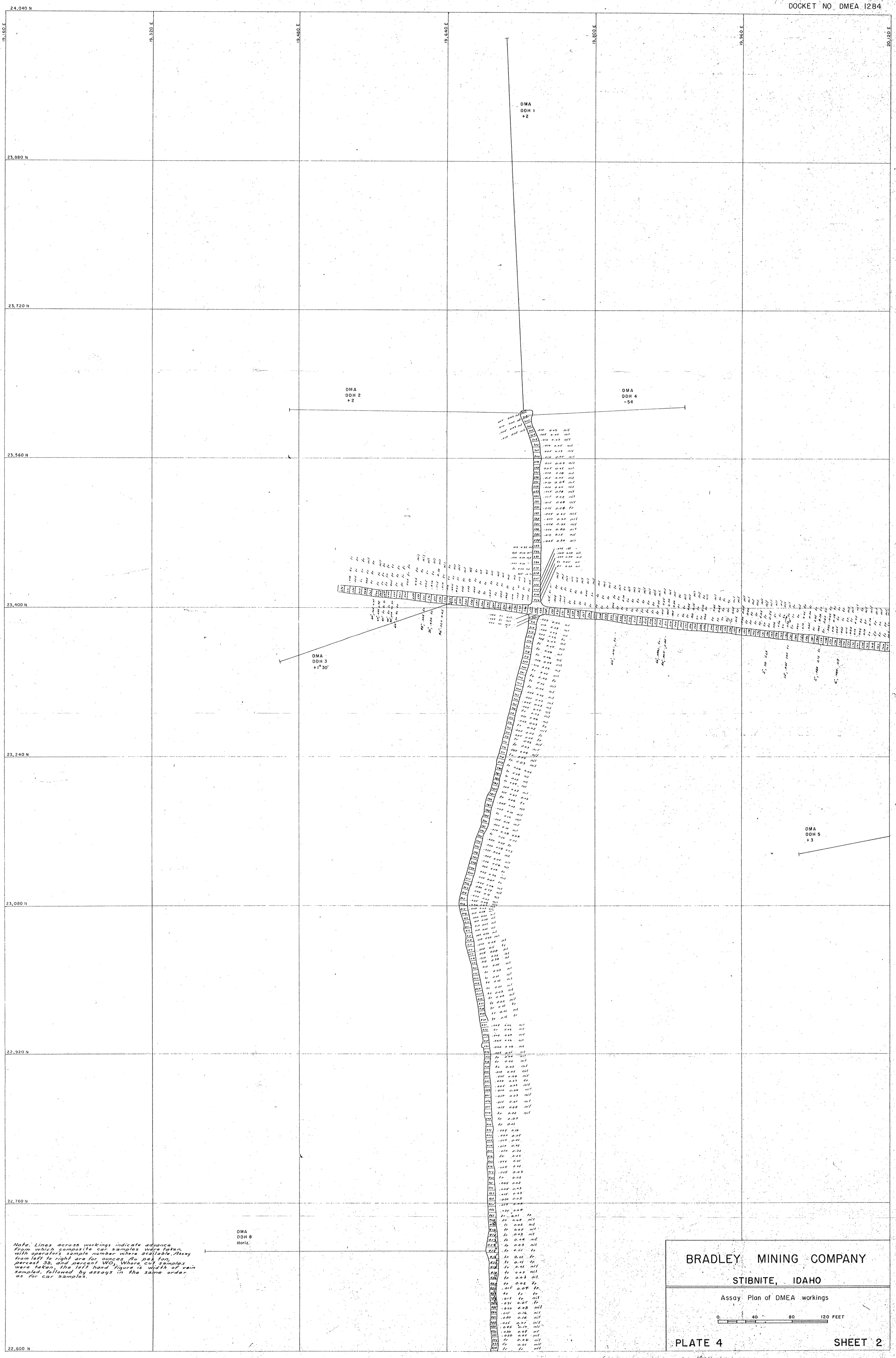
Assay Plan of DMEA workings

0 40 80 120 FEET

PLATE 4

SHEET 1

DOCKET NO. DMEA 1284



Note: Lines across workings indicate advance from which composite car samples were taken, with operator's sample number where available. Assay from left to right are for ounces Au per ton, percent Sb, and percent WO_3. Where cut samples were taken, the left hand figure is width of vein sampled, followed by assays in the same order as for car samples.

BRADLEY MINING COMPANY

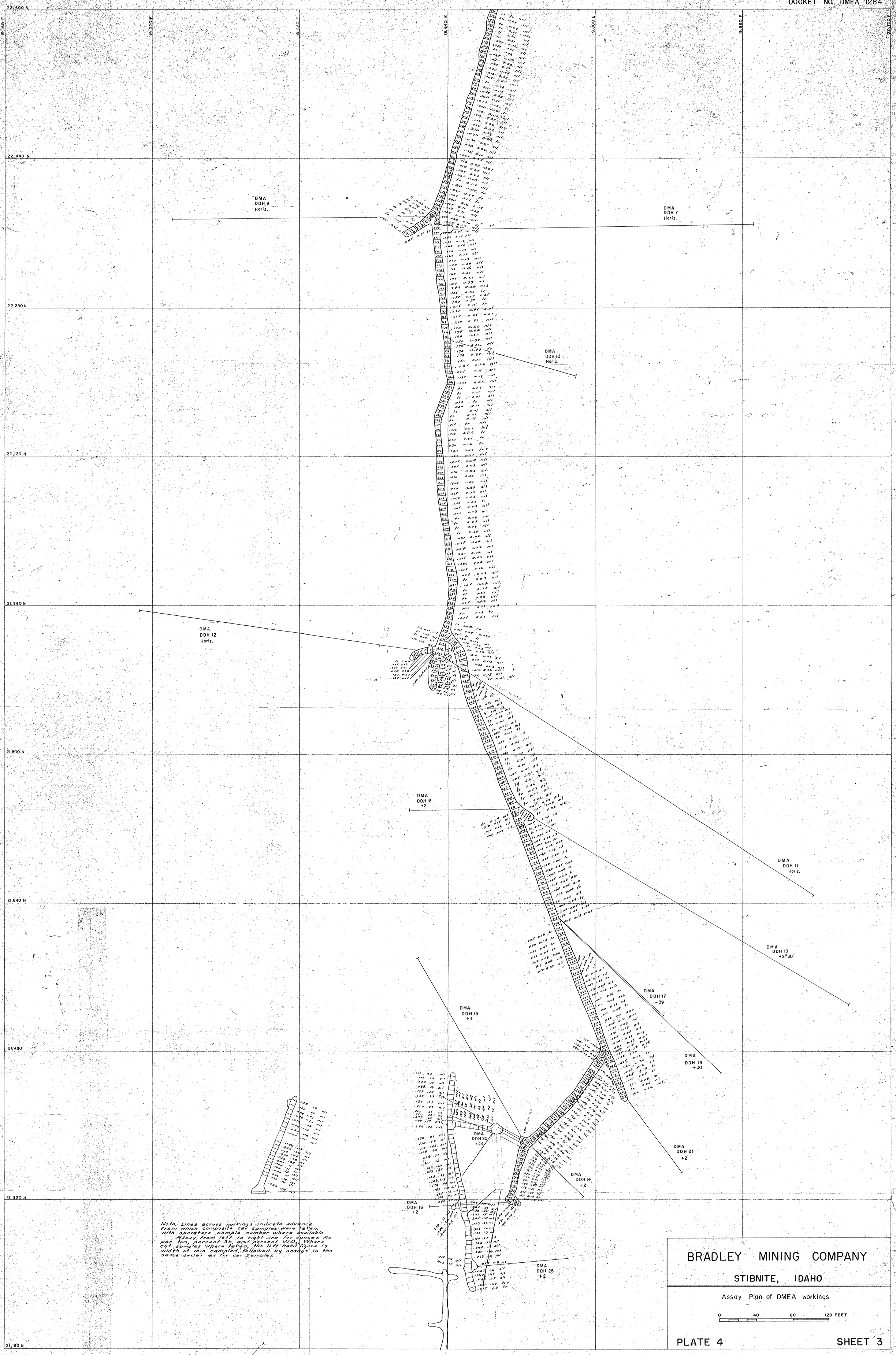
STIBNITE, IDAHO

Assay Plan of DMEA workings

0 40 80 120 FEET

PLATE 4 SHEET 2

DOCKET NO DMEA 1284



BRADLEY MINING COMPANY

STIBNITE, IDAHO

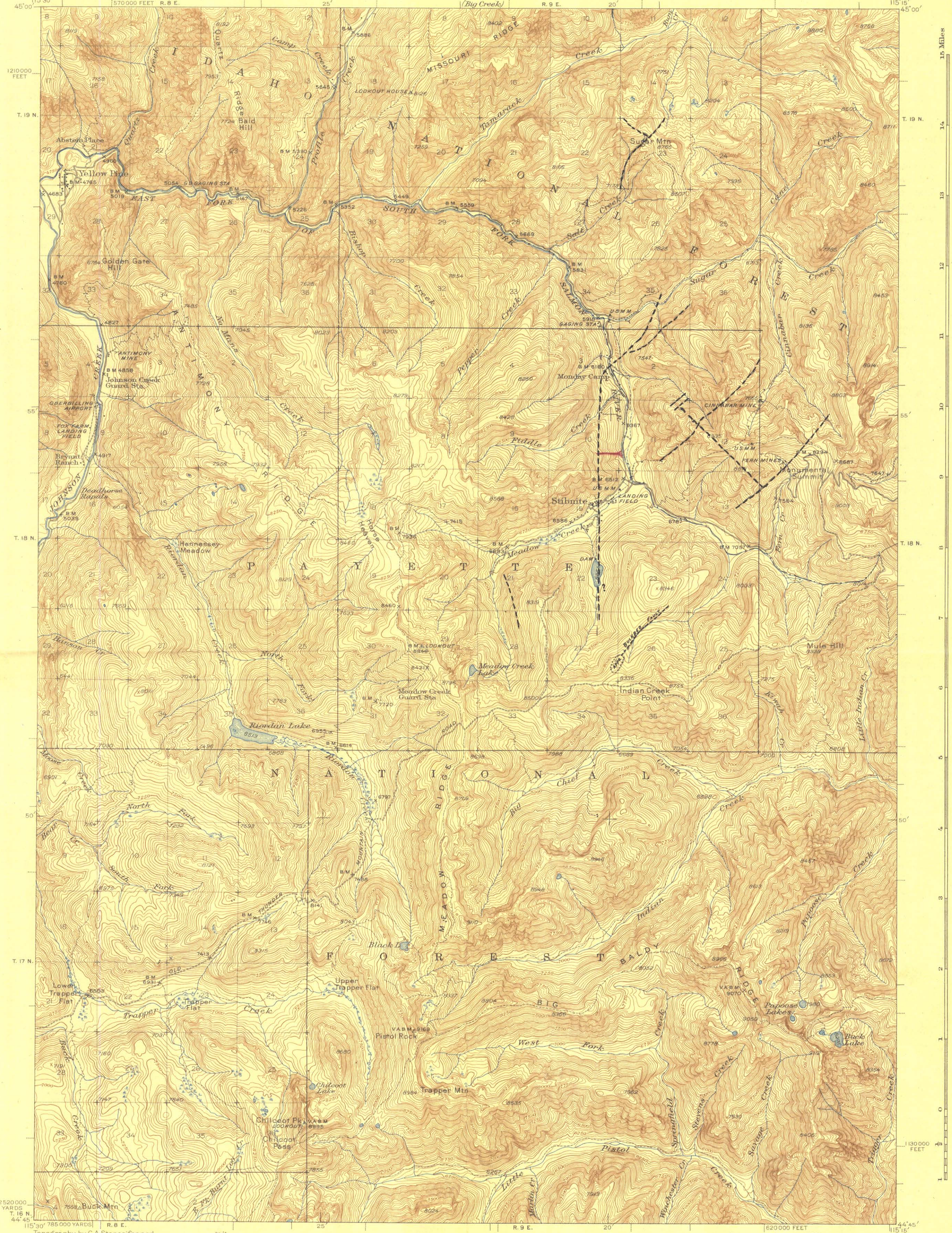
Assay Plan of DMEA workings

0 40 80 120 FEET

PLATE 4 SHEET 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

IDAHO
(VALLEY COUNTY)
YELLOW PINE QUADRANGLE
15-MINUTE SERIES



Topography by C.A. Stonesifer and J.M. Holmes
Surveyed in 1935-1937

Scale $\frac{1}{62500}$

Contour interval 50 feet
Datum is mean sea level

Polyconic projection. 1927 North American datum
5000 yard grid based on U.S. zone system, F
10000 foot grid based on Idaho (West) rectangular coordinate system

YELLOW PINE, IDAHO
Edition of 1943

N4445-W11515/15

THE TOPOGRAPHIC MAPS OF THE UNITED STATES

The United States Geological Survey is making a series of standard topographic maps to cover the United States. This work has been in progress since 1882, and the published maps cover more than 47 percent of the country, exclusive of outlying possessions.

The maps are published on sheets that measure about 16½ by 20 inches. Under the general plan adopted the country is divided into quadrangles bounded by parallels of latitude and meridians of longitude. These quadrangles are mapped on different scales, the scale selected for each map being that which is best adapted to general use in the development of the country, and consequently, though the standard maps are of nearly uniform size, the areas that they represent are of different sizes. On the lower margin of each map are printed graphic scales showing distances in feet, meters, miles, and kilometers. In addition, the scale of the map is shown by a fraction expressing a fixed ratio between linear measurements on the map and corresponding distances on the ground. For example, the scale $\frac{1}{62,500}$ means that 1 unit on the map (such as 1 inch, 1 foot, or 1 meter) represents 62,500 of the same units on the earth's surface.

Although some areas are surveyed and some maps are compiled and published on special scales for special purposes, the standard topographic surveys and the resulting maps have for many years been of three types, differentiated as follows:

1. Surveys of areas in which there are problems of great public importance—relating, for example, to mineral development, irrigation, or reclamation of swamp areas—are made with sufficient detail to be used in the publication of maps on a scale of $\frac{1}{31,680}$ (1 inch = one-half mile) or $\frac{1}{24,000}$ (1 inch = 2,000 feet), with a contour interval of 1 to 100 feet, according to the relief of the particular area mapped.

2. Surveys of areas in which there are problems of average public importance, such as most of the basin of the Mississippi and its tributaries, are made with sufficient detail to be used in the publication of maps on a scale of $\frac{1}{62,500}$ (1 inch = nearly 1 mile), with a contour interval of 10 to 100 feet.

3. Surveys of areas in which the problems are of minor public importance, such as much of the mountain or desert region of Arizona or New Mexico, and the high mountain area of the northwest, are made with sufficient detail to be used in the publication of maps on a scale of $\frac{1}{125,000}$ (1 inch = nearly 2 miles) or $\frac{1}{250,000}$ (1 inch = nearly 4 miles), with a contour interval of 20 to 250 feet.

The aerial camera is now being used in mapping. From the information recorded on the photographs, planimetric maps, which show only drainage and culture, have been made for some areas in the United States. By the use of stereoscopic plotting apparatus, aerial photographs are utilized also in the making of the regular topographic maps, which show relief as well as drainage and culture.

A topographic survey of Alaska has been in progress since 1898, and nearly 44 percent of its area has now been mapped. About 15 percent of the Territory has been covered by maps on a scale of $\frac{1}{500,000}$ (1 inch = nearly 8 miles). For most of the remainder of the area surveyed the maps published are on a scale of $\frac{1}{250,000}$ (1 inch = nearly 4 miles). For some areas of particular economic importance, covering about 4,300 square miles, the maps published are on a scale of $\frac{1}{62,500}$ (1 inch = nearly 1 mile) or larger. In addition to the area covered by topographic maps, about 11,300 square miles of southeastern Alaska has been covered by planimetric maps on scales of $\frac{1}{125,000}$ and $\frac{1}{250,000}$.

The Hawaiian Islands have been surveyed, and the resulting maps are published on a scale of $\frac{1}{62,500}$.

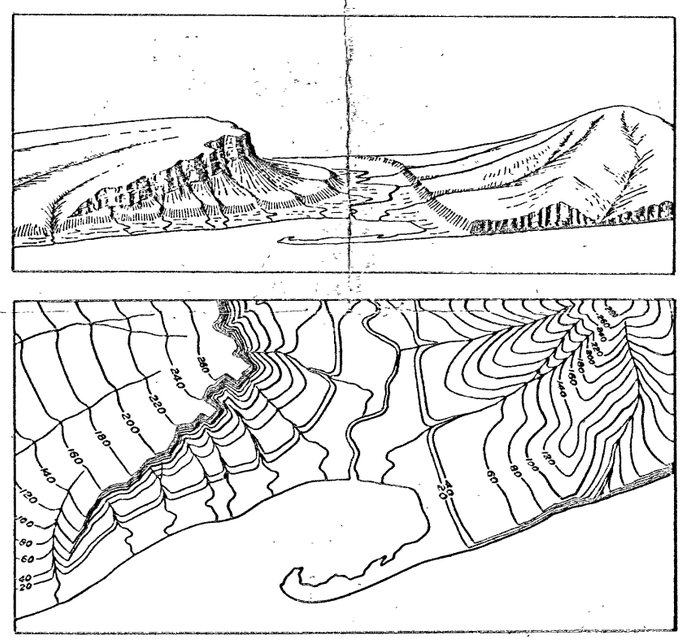
A survey of Puerto Rico is now in progress. The scale of the published maps is $\frac{1}{30,000}$.

The features shown on topographic maps may be arranged in three groups—(1) water, including seas, lakes, rivers, canals, swamps, and other bodies of water; (2) relief, including mountains, hills, valleys, and other features of the land surface; (3) culture (works of man), such as towns, cities, roads, railroads, and boundaries. The symbols used to represent these features are shown and explained below. Variations appear on some earlier maps, and additional features are represented on some special maps.

All the water features are represented in blue, the smaller streams and canals by single blue lines and the larger streams by double lines. The larger streams, lakes, and the sea are accentuated by blue water lining or blue tint. Intermittent streams—those whose beds are dry for a large part of the year—are shown by lines of blue dots and dashes.

Relief is shown by contour lines in brown, which on a few maps are supplemented by shading showing the effect of light thrown from the northwest across the area represented, for the purpose of giving the appearance of relief and thus aiding in the interpretation of the contour lines. A contour line represents an imaginary line on the ground (a contour) every part of which is at the same altitude above sea level. Such a line could be drawn at any altitude, but in practice only the contours at certain regular intervals of altitude are shown. The datum or zero of altitude of the Geological Survey maps is mean sea level. The 20-foot contour would be the shore line if the sea should rise 20 feet above mean sea level. Contour lines show the shape of the hills, mountains, and valleys, as well as their altitude. Successive contour lines that are far apart on the map indicate a gentle slope, lines that are close together indicate a steep slope, and lines that run together indicate a cliff.

The manner in which contour lines express altitude, form, and grade is shown in the figure below.



The sketch represents a river valley that lies between two hills. In the foreground is the sea, with a bay that is partly enclosed by a hooked sand bar. On each side of the valley is a terrace into which small streams have cut narrow gullies. The hill on the right has a rounded summit and gently sloping spurs separated by ravines. The spurs are truncated at their lower ends by a sea cliff. The hill at the left terminates abruptly at the valley in a steep scarp, from which it slopes gradually away and forms an inclined tableland that is traversed by a few shallow gullies. On the map each of these features is represented, directly beneath its position in the sketch, by contour lines.

The contour interval, or the vertical distance in feet between one contour and the next, is stated at the bottom of each map. This interval differs according to the topography of the area mapped: in a flat country it may be as small as 1 foot; in a mountainous region it may be as great as 250 feet. In order that the contours may be read more easily certain contour lines, every fourth or fifth, are made heavier than the others and are accompanied by figures showing altitude. The heights of many points—such as road intersections, summits, surfaces of lakes, and benchmarks—are also given on the map in figures, which show altitudes to the nearest foot only. More precise figures for the altitudes of benchmarks are given in the Geological Survey's bulletins on spirit leveling. The geodetic coordinates of triangulation and transit-traverse stations are also published in bulletins.

Lettering and the works of man are shown in black. Boundaries, such as those of a State, county, city, land grant, township, or reservation, are shown by continuous or broken lines of different kinds and weights. Public roads suitable for motor travel the greater part of the year are shown by solid double lines; poor public roads and private roads by dashed double lines; trails by dashed single lines. Additional public road classification if available is shown by red overprint.

Each quadrangle is designated by the name of a city, town, or prominent natural feature within it, and on the margins of the map are printed the names of adjoining quadrangles of which maps have been published. More than 4,100 quadrangles in the United States have been surveyed, and maps of them similar to the one on the other side of this sheet have been published.

Geologic maps of some of the areas shown on the topographic maps have been published in the form of folios. Each folio includes maps showing the topography, geology, underground structure, and mineral deposits of the area mapped, and several pages of descriptive text. The text explains the maps and describes the topographic and geologic features of the country and its mineral products. Two hundred twenty-five folios have been published.

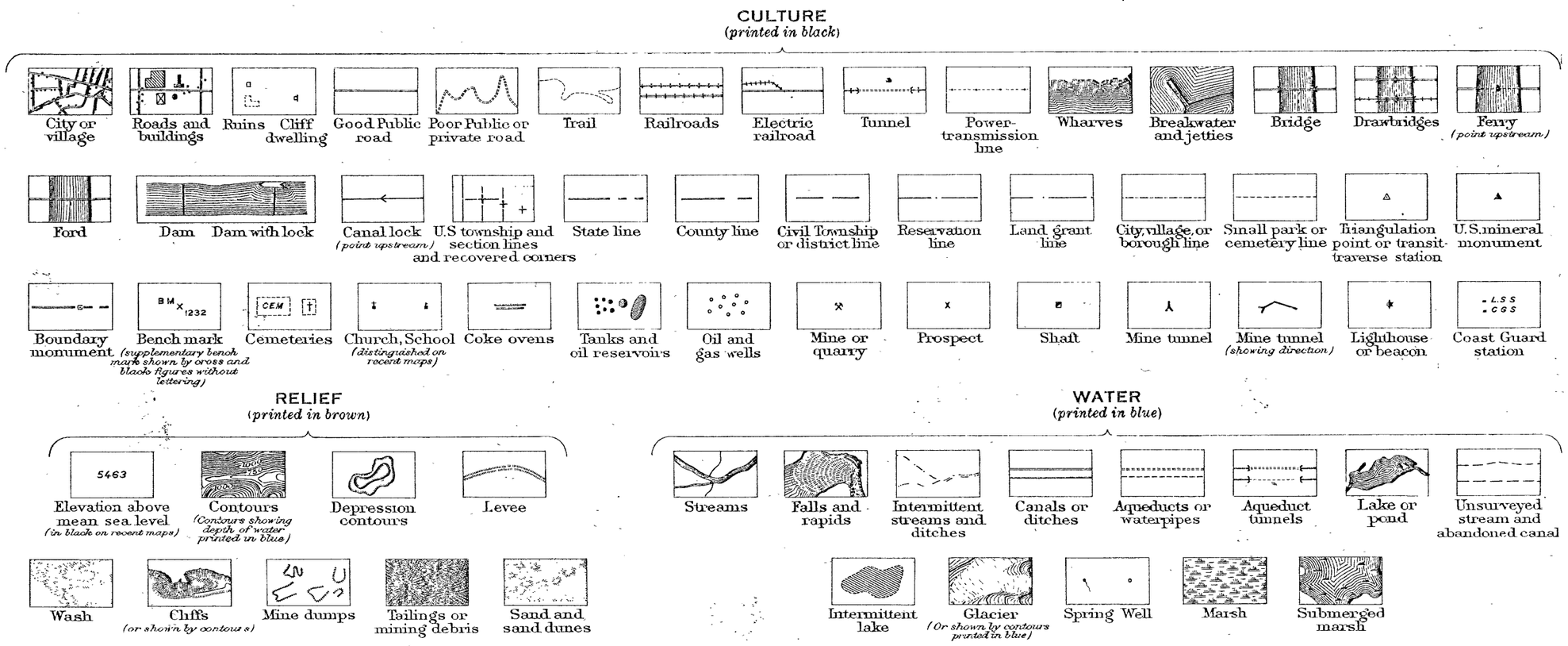
Index maps of each State and of Alaska and Hawaii showing the areas covered by topographic maps and geologic folios published by the United States Geological Survey may be obtained free. Copies of the standard topographic maps may be obtained for 10 cents each; some special maps are sold at different prices. A discount of 40 percent is allowed on an order amounting to $5 or more at the retail price. The discount is allowed on an order for maps alone, either of one kind or in any assortment, or for maps together with geologic folios. The geologic folios are sold for 25 cents or more each, the price depending on the size of the folio. A circular describing the folios will be sent on request.

Applications for maps or folios should be accompanied by cash, draft, or money order (not postage stamps) and should be addressed to

THE DIRECTOR,
United States Geological Survey,
Washington, D. C.

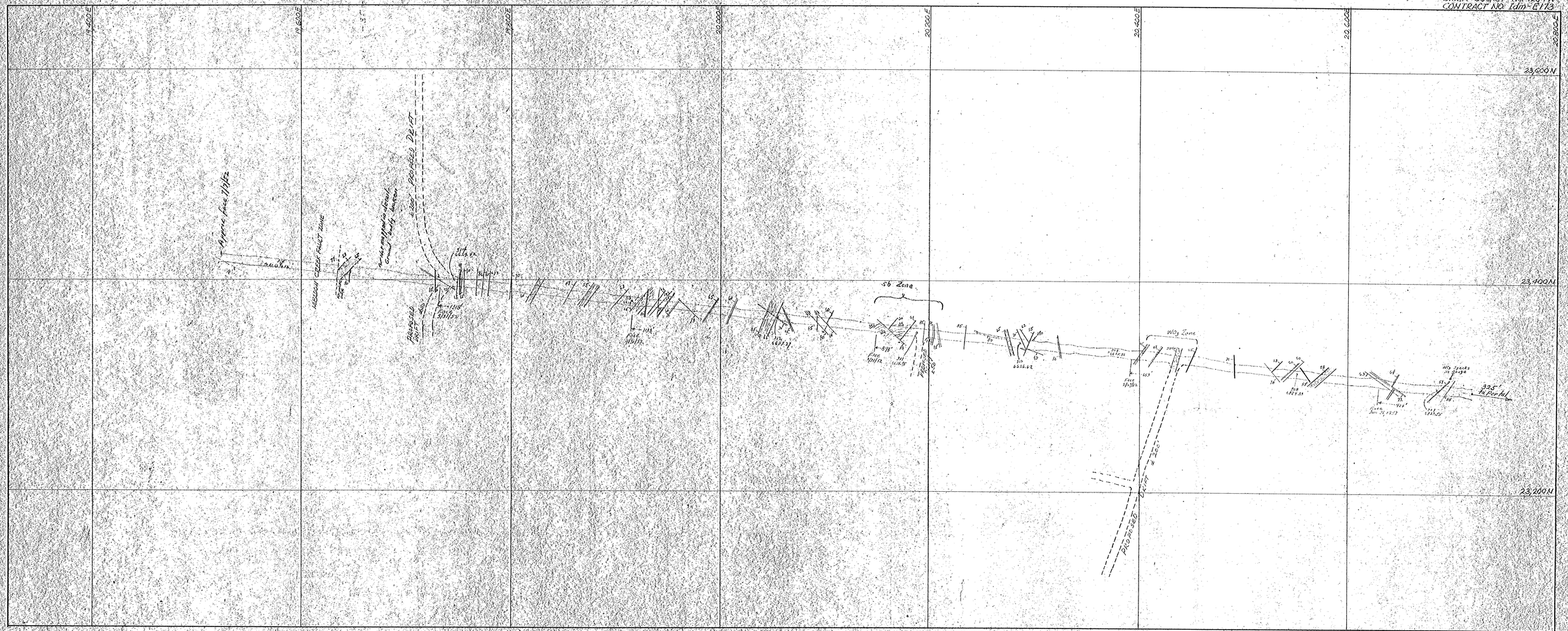
November 1937.

STANDARD SYMBOLS



JENSEN-GRAVES COMPANY
210 NO. 8TH ST. BOISE, IDAHO

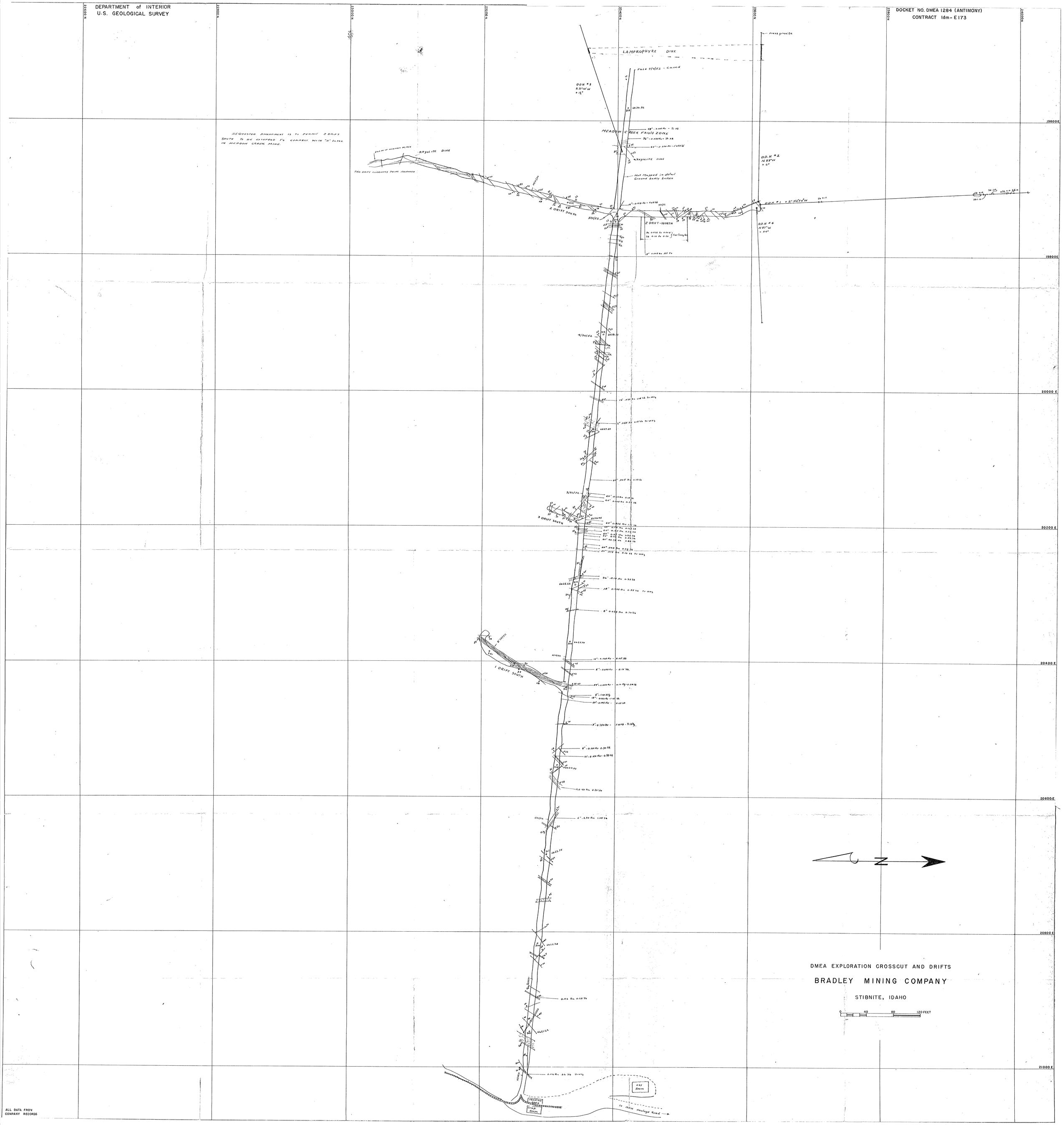
DMEA DOCKET NO. 1284-X
CONTRACT NO. Idm-E173



GEOLOGIC MAP OF DMEA TUNNEL, BRADLEY MINING CO., VALLEY COUNTY, IDAHO
1" = 40'

DEPARTMENT of INTERIOR
U.S. GEOLOGICAL SURVEY

DOCKET NO. DMEA 1284 (ANTIMONY)
CONTRACT Idm-E173



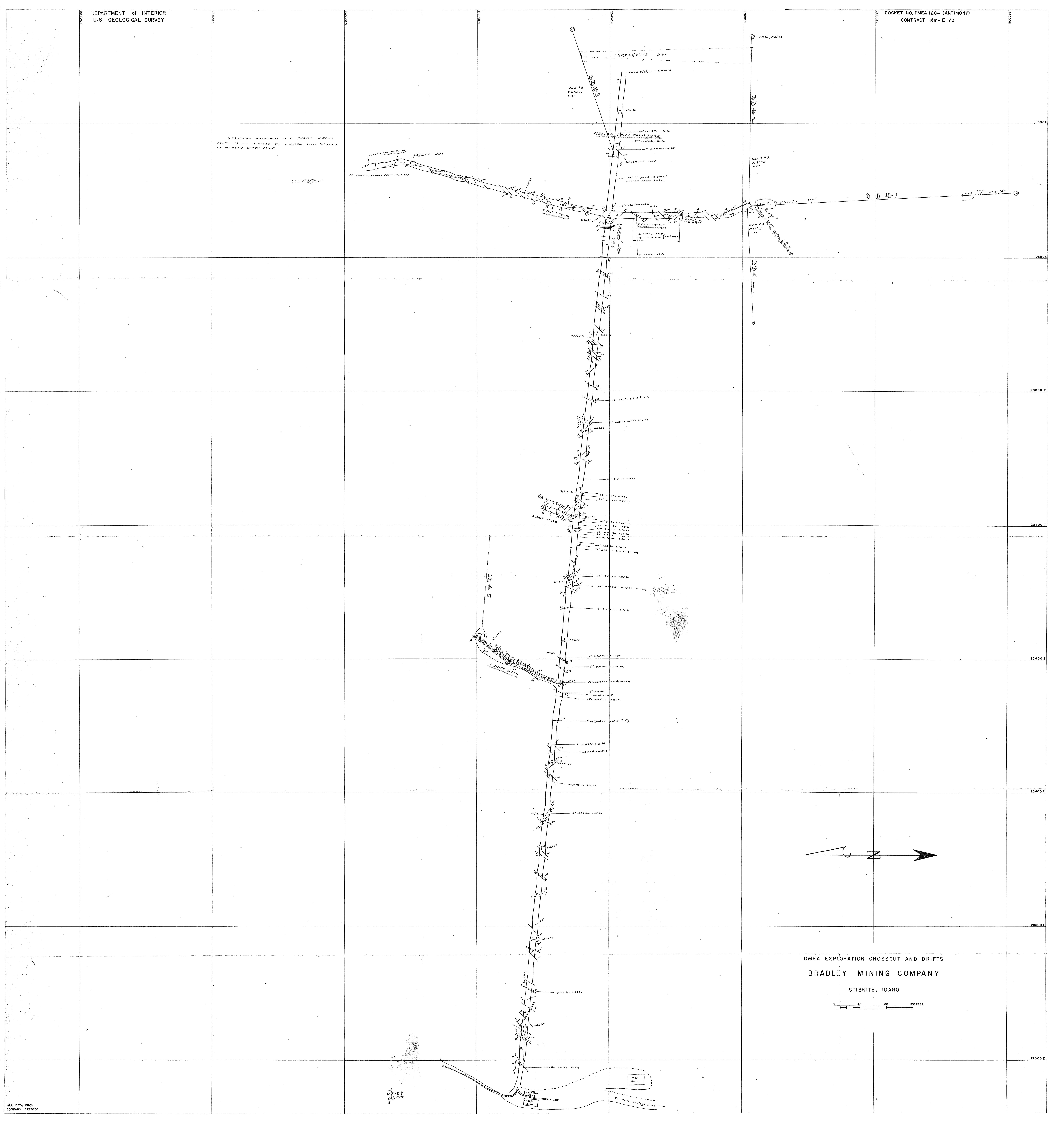
DMEA EXPLORATION CROSSCUT AND DRIFTS

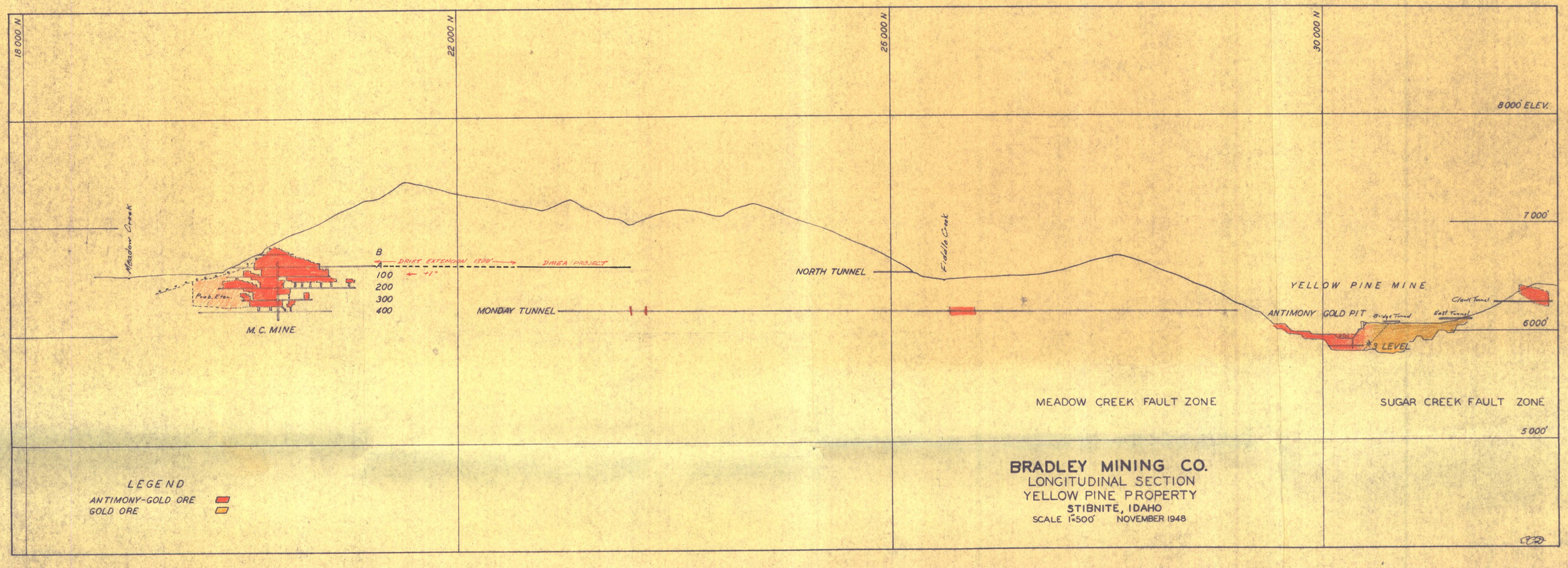
BRADLEY MINING COMPANY

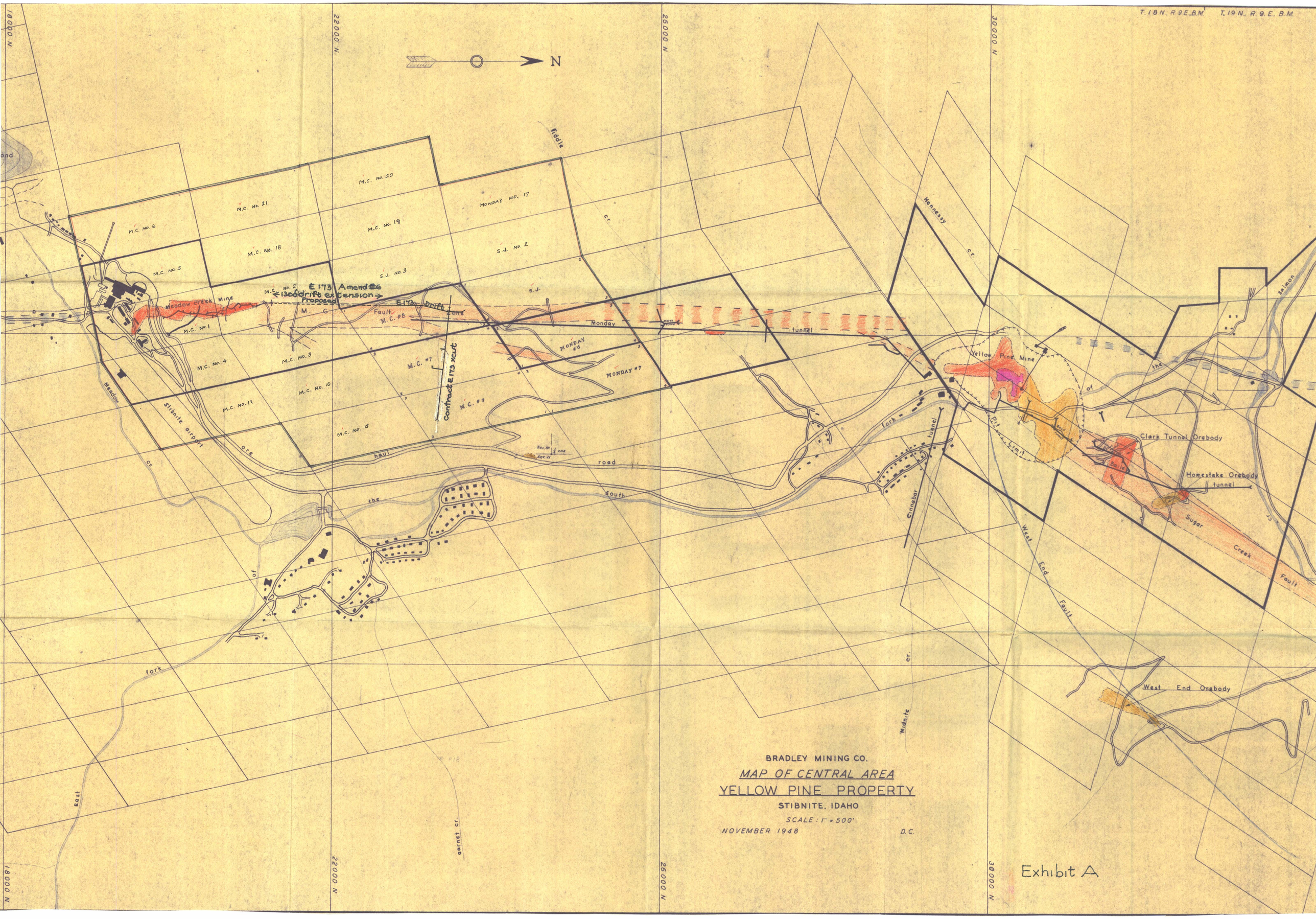
STIBNITE, IDAHO

0 40 80 120 FEET

ALL DATA FROM
COMPANY RECORDS


DEPARTMENT of INTERIOR
U.S. GEOLOGICAL SURVEY
DOCKET NO. DMEA 1284 (ANTIMONY)
CONTRACT Idm-E173
22600 N
22800 N
23000 N
23200 N
23400 N
23600 N
23800 N
24000 N
19600 E
19800 E
20000 E
20200 E
20400 E
20600 E
20800 E
21000 E
REQUESTED AMENDMENT IS TO PERMIT 2 DRIFT SOUTH TO BE EXTENDED TO CONNECT WITH "A" LEVEL IN MEADOW CREEK MINE.
FACE AS OF NOVEMBER 20, 1952
RHYOLITE DIKE
THIS DRIFT CURRENTLY BEING ADVANCED
2 DRIFT SOUTH
LAMPROPHYRE DIKE
Face 7/7/52 - Caved
DDH #3
S.71°10'W
+1½°
6630.92
MEADOW CREEK FAULT ZONE
48" - 0.005 Au - Tr Sb
36" - 0.030 Au - Tr Sb
42" - 0.020 Au - 3.05 Sb
RHYOLITE DIKE
Not Mapped in detail
Ground badly broken
12" - 0.010 Au - 0.05 Sb
2 DRIFT-NORTH
Au 0.025 to 0.005
Sb 0.10 to 0.50
Car Samples
18" 0.005 Au .85 Sb
Fresh granite
D.D.H #2
N 89°W
+2°
DDH #1
2° N2°54'W
D D #1
D.D.H #4
N 87°W
-54°
5/31/52
4/30/52
6628.31
12" .035 Au 1.05 Sb Tr WO3
2" .085 Au 0.15 Sb Tr WO3
6627.27
60" .015 Au 0.15 Sb
3/31/52
60" 0.20 Au 0.15 Sb
60" 0.005 Au 0.35 Sb
Sb mineral
3 DRIFT SOUTH
6626.95
60" 0.035 Au 1.01 Sb
60" .025 Au 0.05 Sb
54" .015 Au 0.10 Sb Tr WO3
56" .010 Au 0.35 Sb
6626.62
18" 0.025 Au 0.35 Sb Tr WO3
8" 0.035 Au 0.70 Sb
6625.94
2/29/52
12" - 0.005 Au - 0.05 Sb
6" - 0.020 Au - 0.10 Sb
54" - 0.055 Au - 0.10 Ag - 0.28 Sb
6" - 1.03 WO3
18" - 0.050 Au - 1.05 Sb
60" - 0.095 Au - 0.25 Sb
3" - 0.780 Au - 1.05 Sb - Tr WO3
6" - 0.160 Au - 0.30 Sb
10" - 0.120 Au - 0.90 Sb
6624.53
0.040 Au 0.30 Sb
WO3 mineral
1 DRIFT SOUTH
1/31/52
6" .230 Au 1.05 Sb
6623.55
6622.98
6621.62
0.02 Au 0.25 Sb
0.02 Au .66 Sb Tr WO3
DRY Room
FRAMING SHED
Comp. Room
To MAIN Haulage Road
N
DMEA EXPLORATION CROSSCUT AND DRIFTS
BRADLEY MINING COMPANY
STIBNITE, IDAHO
0 40 80 120 FEET
ALL DATA FROM
COMPANY RECORDS


18 000 N
22 000 N
26 000 N
30 000 N
8000' ELEV.
7000'
6000'
5000'
Meadow Creek
Prob. Extn.
M. C. MINE
B
A
100
200
300
400
DRIFT EXTENSION 1200'
DMEA PROJECT
MONDAY TUNNEL
NORTH TUNNEL
Fiddle Creek
YELLOW PINE MINE
ANTIMONY GOLD PIT
Bridge Tunnel
East Tunnel
Giant Tunnel
3 LEVEL
MEADOW CREEK FAULT ZONE
SUGAR CREEK FAULT ZONE
LEGEND
ANTIMONY-GOLD ORE
GOLD ORE
BRADLEY MINING CO.
LONGITUDINAL SECTION
YELLOW PINE PROPERTY
STIBNITE, IDAHO
SCALE 1"=500'
NOVEMBER 1948



BRADLEY MINING CO.

MAP OF CENTRAL AREA

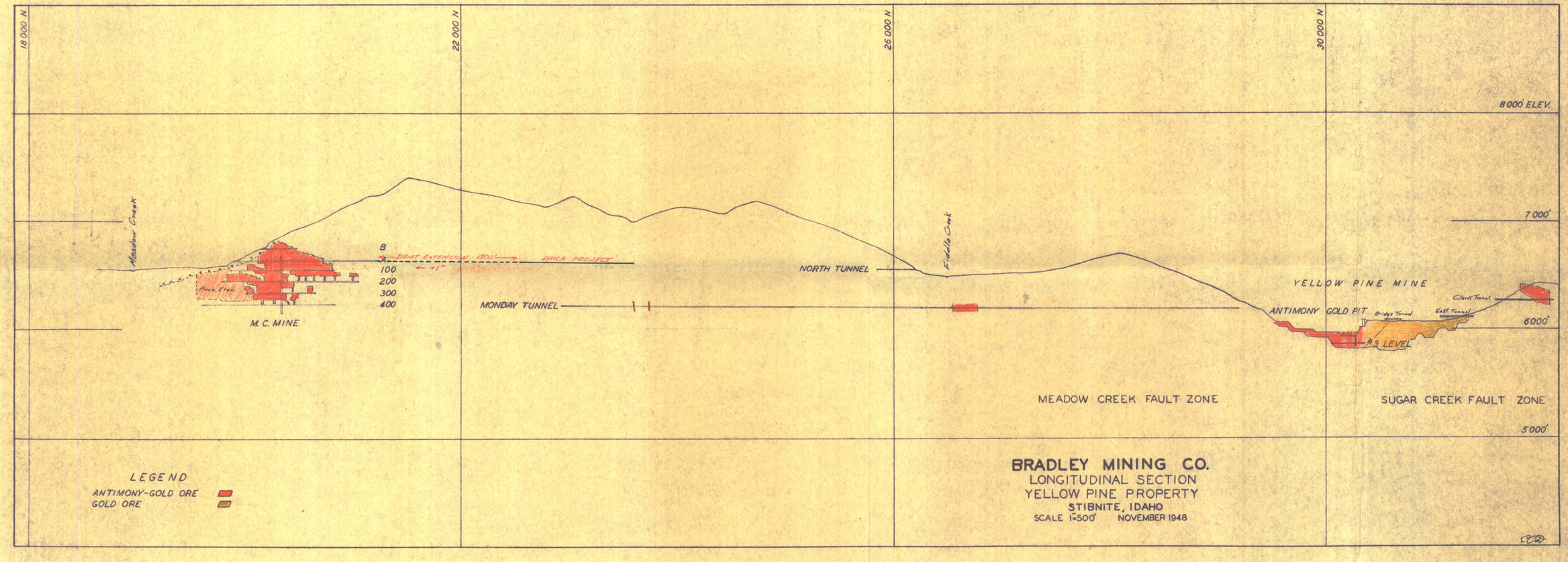
YELLOW PINE PROPERTY

STIBNITE, IDAHO

SCALE: 1" = 500'

NOVEMBER 1948 D.C.

Exhibit A


18 000 N
22 000 N
25 000 N
30 000 N
8000' ELEV.
7000'
6000'
5000'
Meadow Creek
Fiddle Creek
B
A
100
200
300
400
DRIFT EXTENSION 1800'
DIVER PROJECT
+1°
Pack Elev.
M. C. MINE
MONDAY TUNNEL
NORTH TUNNEL
YELLOW PINE MINE
ANTIMONY GOLD PIT
Bridge Tunnel
East Tunnel
Clark Tunnel
3 LEVEL
MEADOW CREEK FAULT ZONE
SUGAR CREEK FAULT ZONE
LEGEND
ANTIMONY-GOLD ORE
GOLD ORE
BRADLEY MINING CO.
LONGITUDINAL SECTION
YELLOW PINE PROPERTY
STIBNITE, IDAHO
SCALE 1"=500'
NOVEMBER 1948