NOTE: Use a separate form for each

DESCRIPTION OF RECORD(S) OR INFORMATION REQUESTED

DMEA 2440

REMARKS

65A984

☐ PERMANENT WITHDRAWAL ☐ LOAN OF RECORD(S) ☐ OTHER (Specify)

NO.	ACCESSION NO.	FRC BOX NO. OR RECORDS CENTER LOCATION NO. (if known)
0	[redacted]	11T 14/52:13-4

General Services Administration
Federal Records Center NARS

(City) (State) (ZIP Code)

NOTE: In Washington, D.C. area send to STOP 386

FOR RECORDS CENTER USE ONLY

☐ RECORDS NOT IN CENTER CUSTODY ☐ RECORDS DESTROYED

☐ WRONG BOX NUMBER–PLEASE RECHECK

☐ ADDITIONAL INFORMATION REQUIRED TO IDENTIFY RECORDS REQUESTED

☐ MISSING (Neither record(s), information nor charge card found in container(s) specified)

☐ RECORDS PREVIOUSLY CHARGED

OUT TO (Name, agency and date):

REMARKS will pick up tomorrow 4:00 DUNCAN

WASHINGTON NATIONAL RECORDS CENTER, U.S.A. WASH. 20409 APR 10 3 46 PM '74

DATE	SERVICE	TIME REQUIRED	SEARCHER'S INITIALS
4/10/74	5	MM	JW

FOR USE OF REQUESTER

NAME OF REQUESTER: Mrs. Wiegand

TELEPHONE NO.: 860-6427

DATE:

NAME AND ADDRESS OF AGENCY (Include building, room no. and Zip Code): Geo Survey Nat Center Reston, Va 953

(In Washington, D.C. area also include STOP number)

RECEIPT OF RECORDS

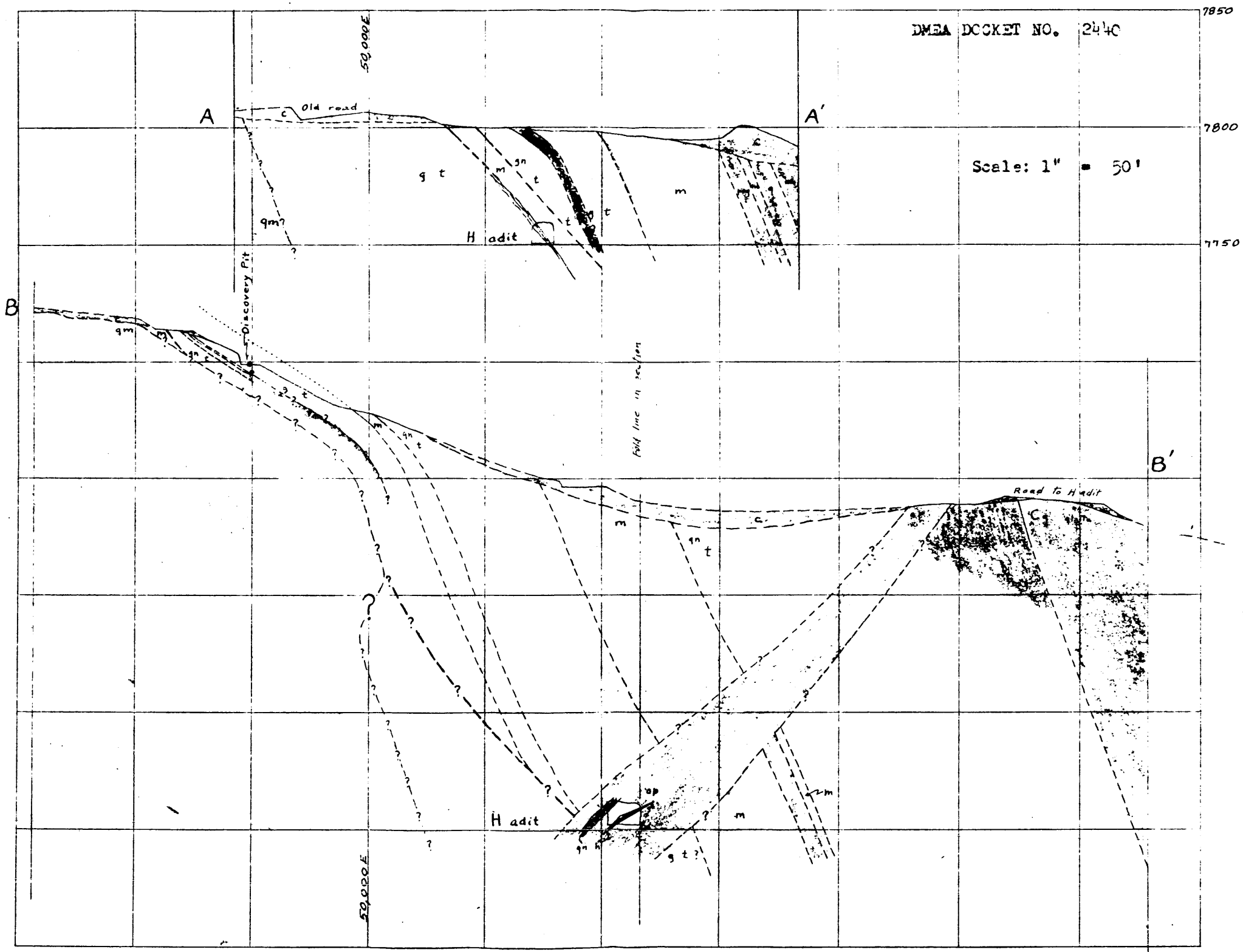
Requester please sign, date and return this form, for file item(s) listed above, ONLY if the block to right has been checked by the Records Center. ☐

SIGNATURE	DATE

OPTIONAL FORM 11
REVISED FEBRUARY 1971
GENERAL SERVICES ADMINISTRATION
FPMR (41CFR) 101 - 11.4
5011 - 104

REFERENCE REQUEST – FEDERAL RECORDS CENTERS

AGENCY SUSPENSE FILE COPY



GEOLOGIC SECTIONS THROUGH H ADIT, LOST CREEK

Overlap on map A

Overlap on map C

Fig. 6

49,500 E.

50,000 E.

50,500 E.

51,000 N

51,500 N

52,000 N

SCALE 1" = 50'

N

Sample No.	Width	% WO_3	% Mo
E-1513	[illegible]	[illegible]	0.08

*(E-1 cut ore map - width and detailed location unknown.)

E-1519	[illegible]	[illegible]	—
E-1517	[illegible]	[illegible]	—
E-1513	[illegible]	[illegible]	—
E-1507	[illegible]	[illegible]	—

Sample No.	Width	% WO_3	% Mo
E-9	[illegible]	[illegible]	0.05
E-11, 12, 13 (composite)	[illegible]	[illegible]	0.11

(Sample locations are not available)

Sample No.	Width	% WO_3	% Mo
[illegible]	[illegible]	[illegible]	—
[illegible]	[illegible]	[illegible]	—
[illegible]	[illegible]	[illegible]	0.05
[illegible] (Composite)	[illegible]	[illegible]	0.31
[illegible]	[illegible]	[illegible]	—
[illegible]	[illegible]	[illegible]	—

E-1 CUT

E-1 DOZER CUT

F-CUT

F-1 CUT

F-2 CUT

F-3 CUT

E-CUT

E-1515

E-1519
E-1517
E-1513
E-1507

E-92
E-91
E-90
E-90c
E-89
E-88

E-CUT SAMPLE ZERO POINT

8HDC EL 7639

9HDC EL 7623

28 EL 7582

27 EL 7575

10HDC 7555'

11 HDC 7546

26 — 7476'

E. — 7496

14 HDC

13 HDC

16 HDC - 7242

23

9 EL 7172

7163

7 — 7225

25 — 7348'

44 — 7389'

42 — 7500'

12HDC — 7470

43 — 7470

New Road

REF — A_C

REF — B_E

7650

7600

7550

7500

7450

7400

7350

7300

7250

7200

This map shows new DMEA work 1" = 50'

Overlap on map A — From map by M.E.Co — Traced 3-17-'53 K

1" = 50'

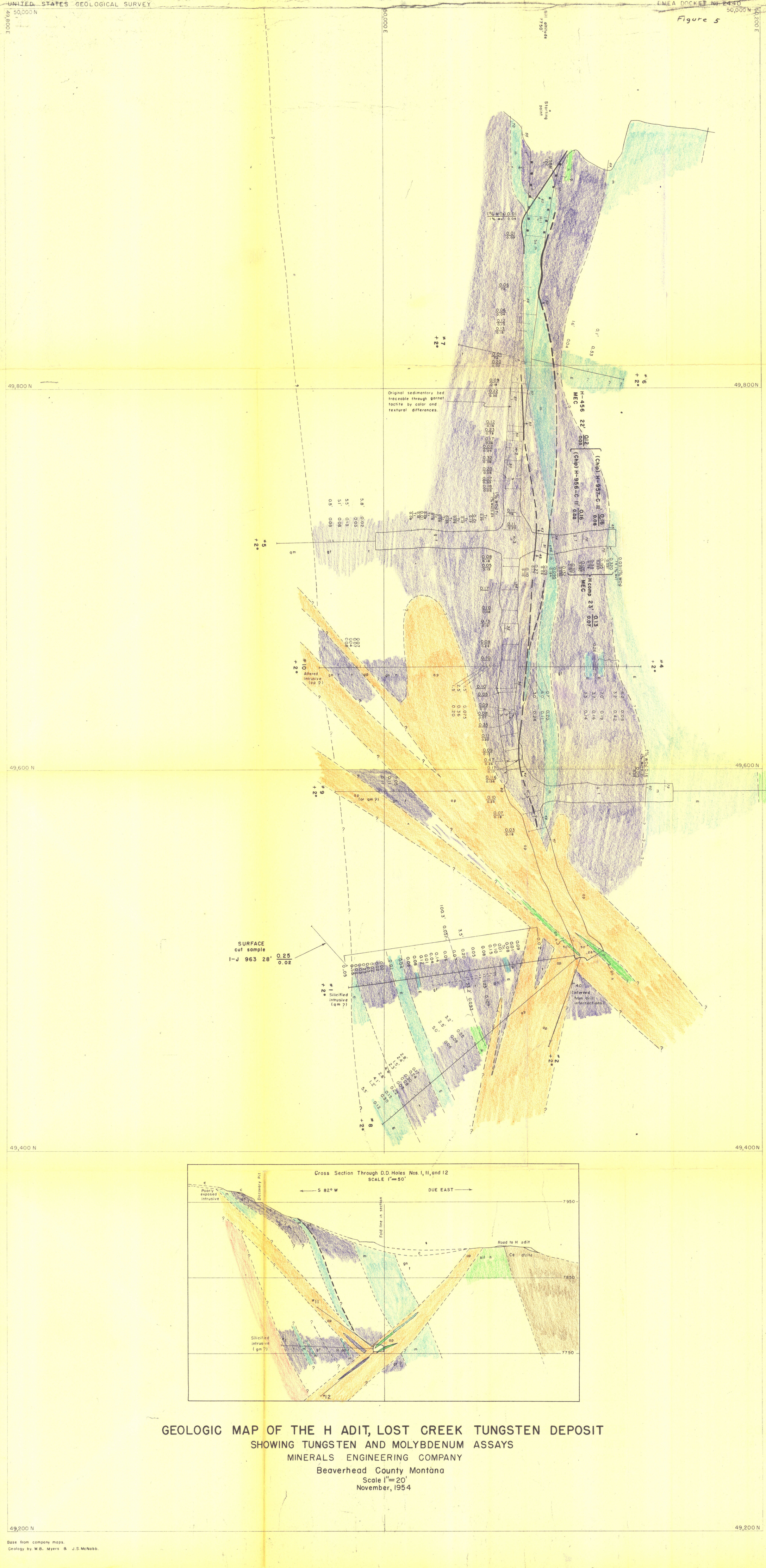
Overlap on map C

MINERALS ENGINEERING COMPANY, LOST CREEK TUNGSTEN DEPOSIT — BEAVERHEAD COUNTY, MONTANA — SURFACE PLAN MAP B — Docket No. 2440X (W) — Idm. E — 300

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

LMEA DOCKET No. 2440

Figure 5



GEOLOGIC MAP OF THE H ADIT, LOST CREEK TUNGSTEN DEPOSIT

SHOWING TUNGSTEN AND MOLYBDENUM ASSAYS

MINERALS ENGINEERING COMPANY

Beaverhead County Montana

Scale 1"=20'

November, 1954

Base from company maps.
Geology by. W.B. Myers & J.S. McNabb.

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

DMEA DOCKET No. 2440

Figure 4

EXPLANATION

gt, gnt — Tactite, garnet-rich (gt) and green garnet-poor (gnt) varieties locally noted.

h, gnh, dk h, sil h — Hornfels, green (gnh), dark argillaceous (dk h), and siliceous (sil h) varieties locally noted.

m, sm, arg m — Marble, generally light colored, sandy (sm) and argillaceous (arg m) varieties locally noted.

dp — Aplite, commonly more or less altered.

gm, bhgm, alt gm — Quartz monzonite, generally with both biotite and hornblende, listed as bhgm where noted, alteration locally noted (alt. gm).

qz — Quadrant quartzite. Medium to coarse grained vitreous quartzite. Forms ultimate hanging wall of possible ore zone.

Normal contact showing dip; dashed where approximate.

Gradational contact

Fault showing dip; dashed where approximate. Pre-metamorphic faulting is discriminated from post-mineralization faulting by use of a lighter fault line for the early movement trace.

Overturned syncline

Attitude of bedding

Note: Tungsten and Molybdenum assays by Minerals Engineering Company and U. S. Bureau of Mines. Bureau of Mines assays drafted in larger type.

Samples all taken by Minerals Engineering except for the few labelled (chip) taken by J. S. McNabb, Bureau of Mines.

GEOLOGIC MAP OF THE B ADIT, LOST CREEK TUNGSTEN DEPOSIT

SHOWING TUNGSTEN AND MOLYBDENUM ASSAYS

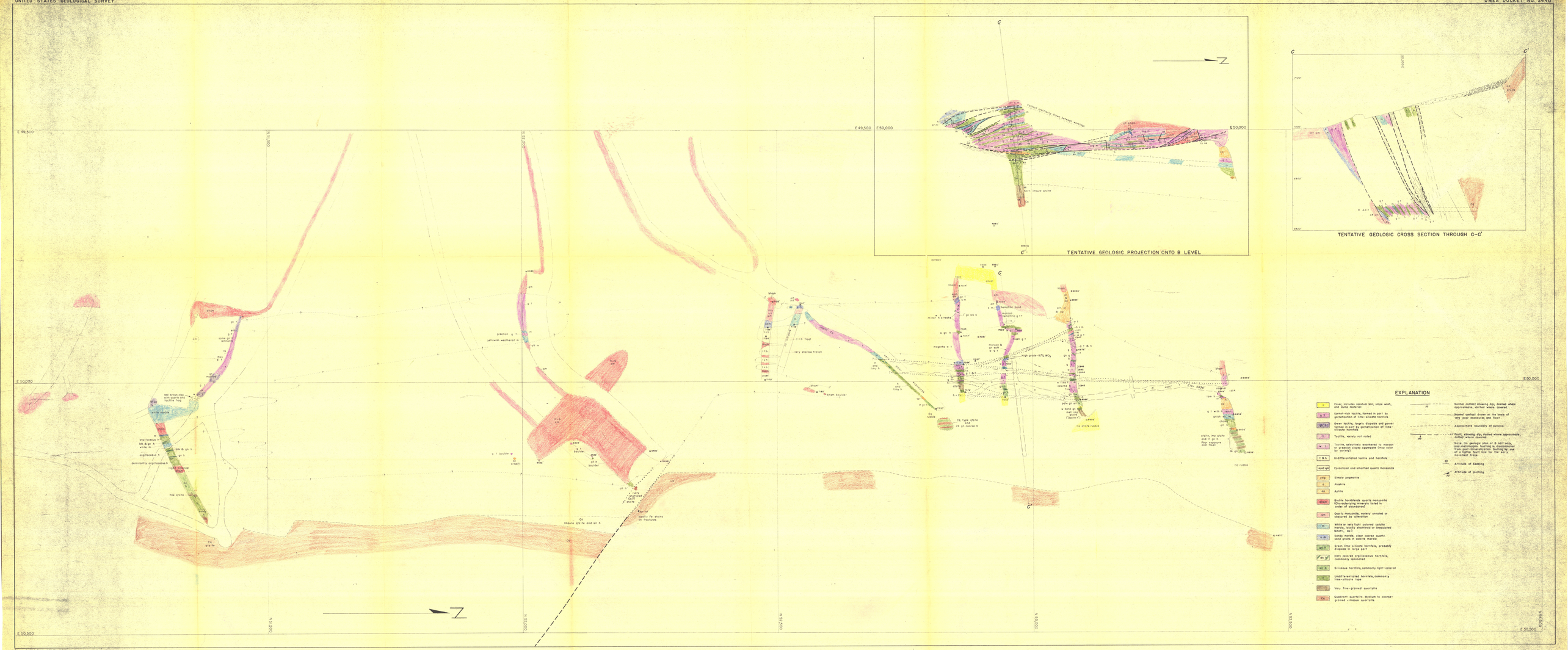
MINERALS ENGINEERING COMPANY

Beaverhead County, Montana

Scale 1" = 20'

November, 1954

Base from company maps
Geology by W.B. Myers & J.S. McNabb.



Base adapted from company maps
Geology by W. B. Myers, J. S. McNabb and G. W. Fuller

GEOLOGY OF LOWER WORKING AREA OF THE LOST CREEK TUNGSTEN DEPOSIT

MINERALS ENGINEERING COMPANY
Beaverhead County, Montana
Scale 1" = 50'
April, 1953

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

DMEA DOCKET No. 2440

EXPLANATION

t, gt, gnt

Tactite, garnet-rich (gt) and green garnet-poor (gnt) varieties locally noted.

h, gnh, dk h, sil h

Hornfels, green (gnh), dark argillaceous (dk h), and siliceous (sil h) varieties locally noted.

m, sm, arg m

Marble, generally light colored, sandy (sm) and argillaceous (arg m) varieties locally noted.

ap

Aplite, commonly more or less altered.
pre-tactite in age

qm, bhqm, alt qm

Quartz monzonite, generally with both biotite and hornblende, listed as bhgm where noted, alteration locally noted (alt. gm).

Cq

Quadrant quartzite. Medium to coarse grained vitreous quartzite. Forms ultimate hanging wall of possible ore zone.

50

Normal contact showing dip; dashed where approximate.

Gradational contact

50

Fault showing dip; dashed where approximate. Pre-metamorphic faulting is discriminated from post-mineralization faulting by use of a lighter fault line for the early movement trace.

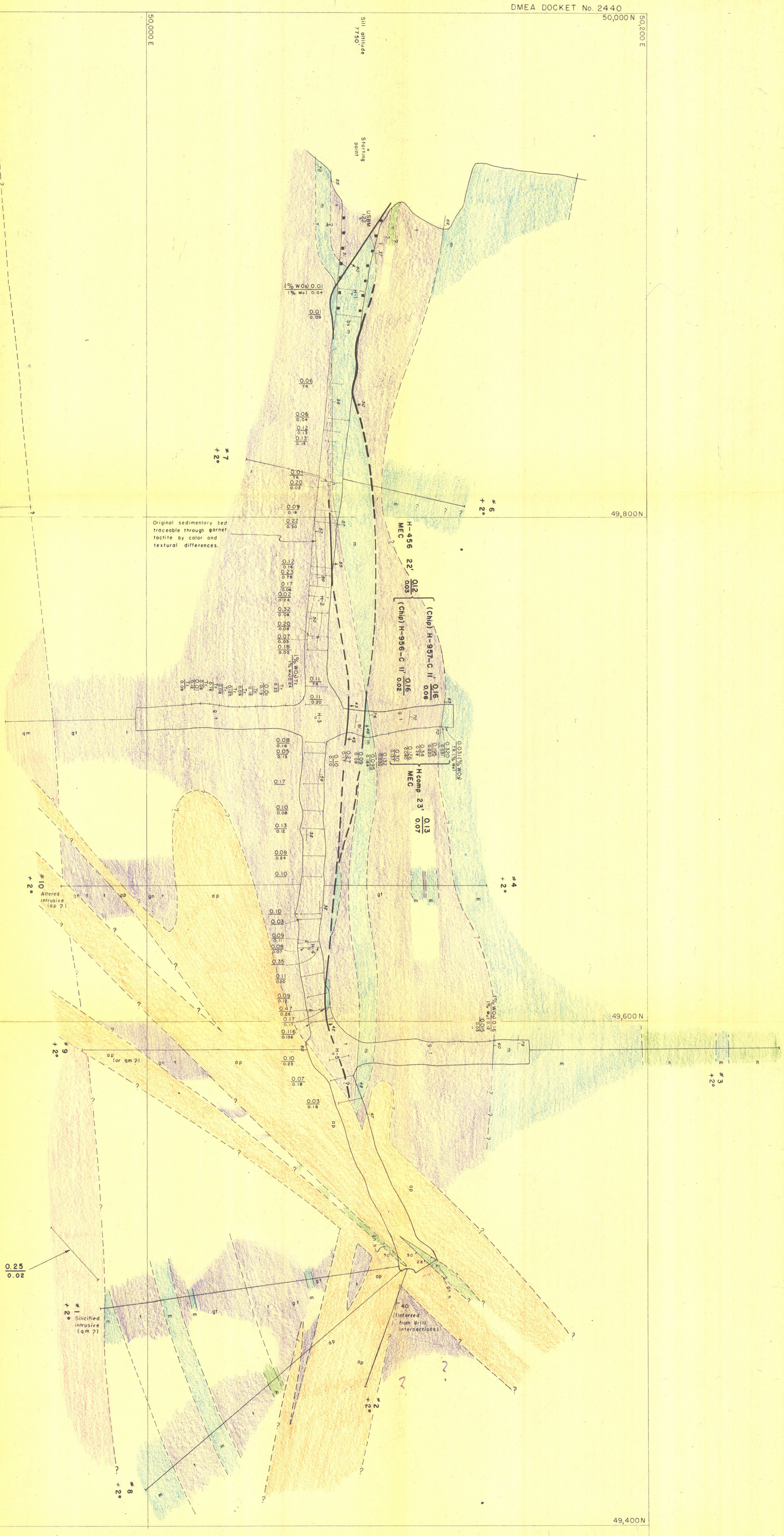
Overturned ~~syn~~anticline

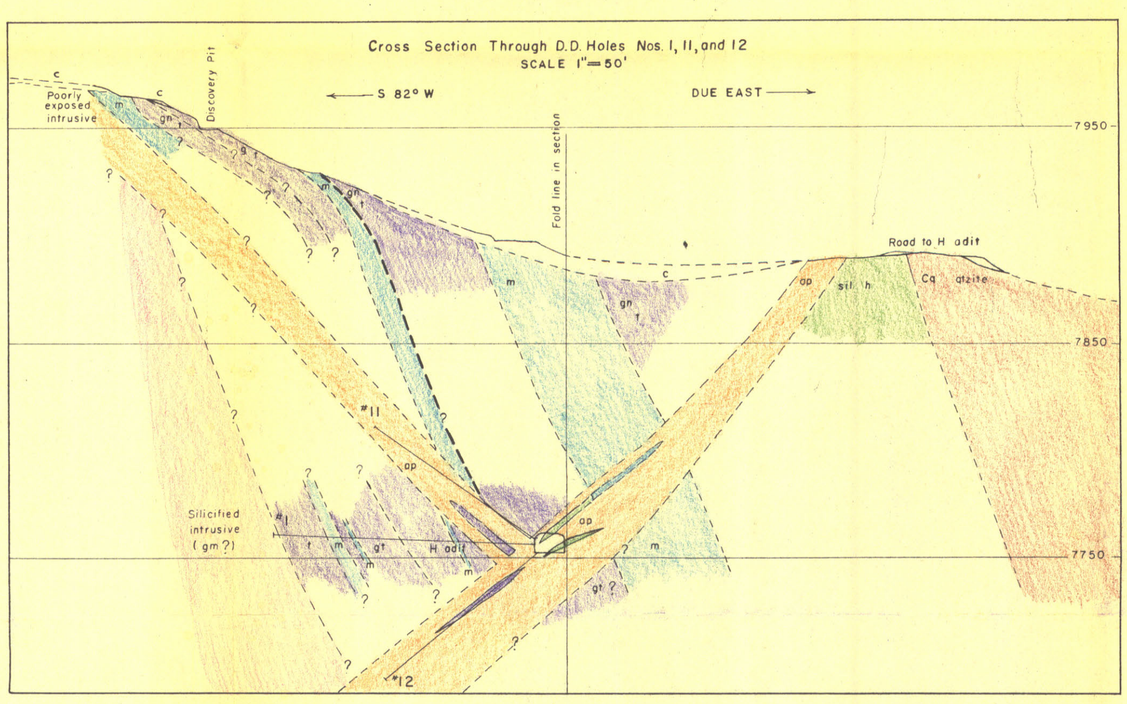
50

Attitude of bedding

Note: Tungsten and Molybdenum assays by Minerals Engineering Company and U. S. Bureau of Mines. Bureau of Mines assays drafted in larger type.

Samples all taken by Minerals Engineering except for the few labelled (chip) taken by J. S. McNabb, Bureau of Mines.





GEOLOGIC MAP OF THE H ADIT, LOST CREEK TUNGSTEN DEPOSIT

SHOWING TUNGSTEN AND MOLYBDENUM ASSAYS

MINERALS ENGINEERING COMPANY

Beaverhead County Montana

Scale 1"=20'

November, 1954

Base from company maps.
Geology by W.B. Myers & J.S. McNabb.

Plate II

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

DMEA DOCKET No. 2440

EXPLANATION

t, gt, gnt

Tactite, garnet-rich (gt) and green garnet-poor (gnt) varieties locally noted.

h, gnh, dk h, sil h

Hornfels, green (gnh), dark argillaceous (dk h), and siliceous (sil h) varieties locally noted.

m, sm, arg m

Marble, generally light colored, sandy (sm) and argillaceous (arg m) varieties locally noted.

ap

Aplite, commonly more or less altered.
pre-tactite in age

gm, bhgm, alt gm

Quartz monzonite, generally with both biotite and hornblende, listed as bhgm where noted, alteration locally noted (alt. gm).

Cq

Quadrant quartzite. Medium to coarse grained vitreous quartzite. Forms ultimate hanging wall of possible ore zone.

Normal contact showing dip; dashed where approximate.

Gradational contact

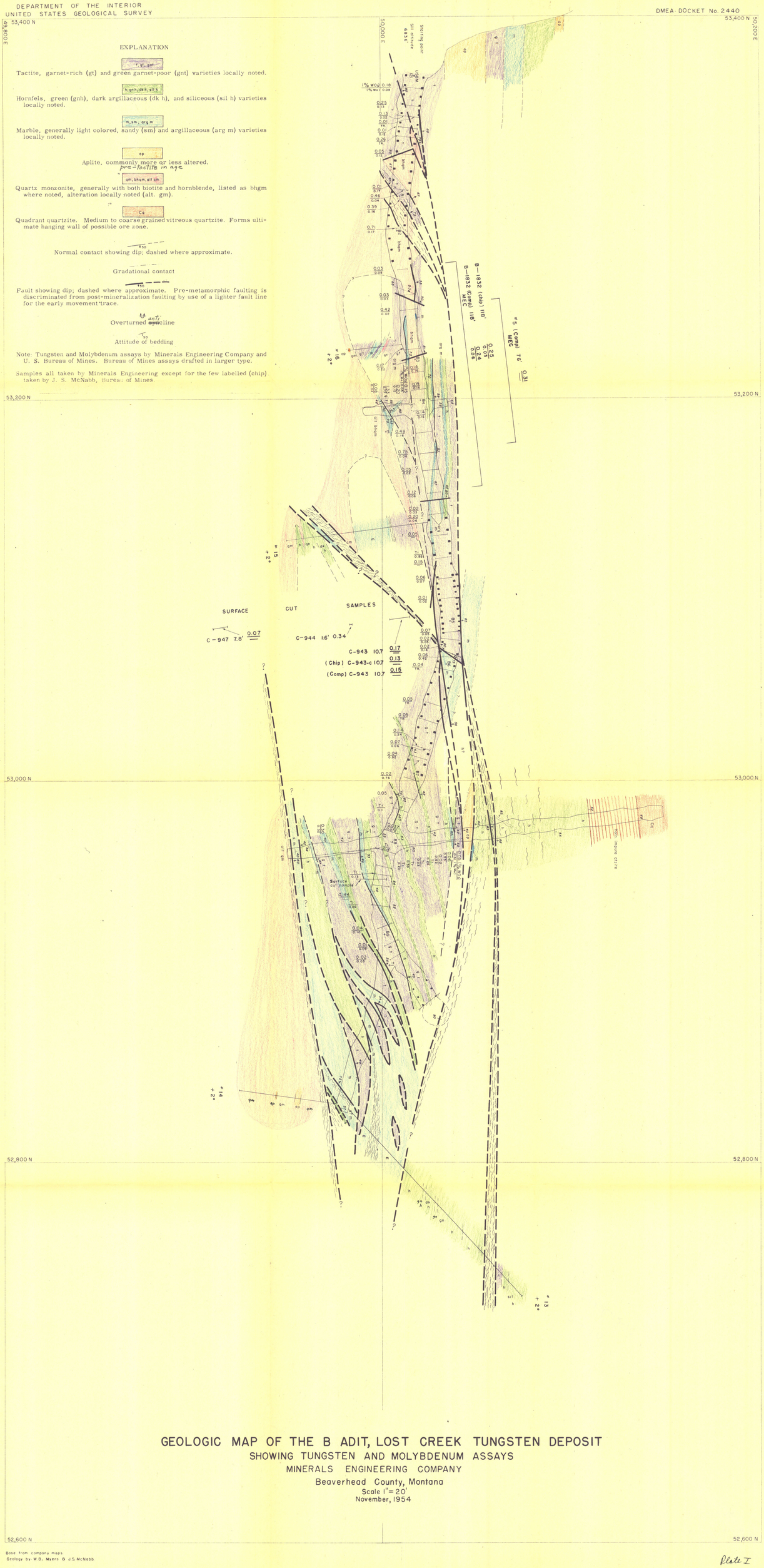
Fault showing dip; dashed where approximate. Pre-metamorphic faulting is discriminated from post-mineralization faulting by use of a lighter fault line for the early movement trace.

Overturned anticline

Attitude of bedding

Note: Tungsten and Molybdenum assays by Minerals Engineering Company and U. S. Bureau of Mines. Bureau of Mines assays drafted in larger type.

Samples all taken by Minerals Engineering except for the few labelled (chip) taken by J. S. McNabb, Bureau of Mines.



GEOLOGIC MAP OF THE B ADIT, LOST CREEK TUNGSTEN DEPOSIT

SHOWING TUNGSTEN AND MOLYBDENUM ASSAYS

MINERALS ENGINEERING COMPANY

Beaverhead County, Montana

Scale 1" = 20'

November, 1954

Base from company maps
Geology by W.B. Myers & J.S. McNabb

Plate I

DMEA DOCKET NO. 2440

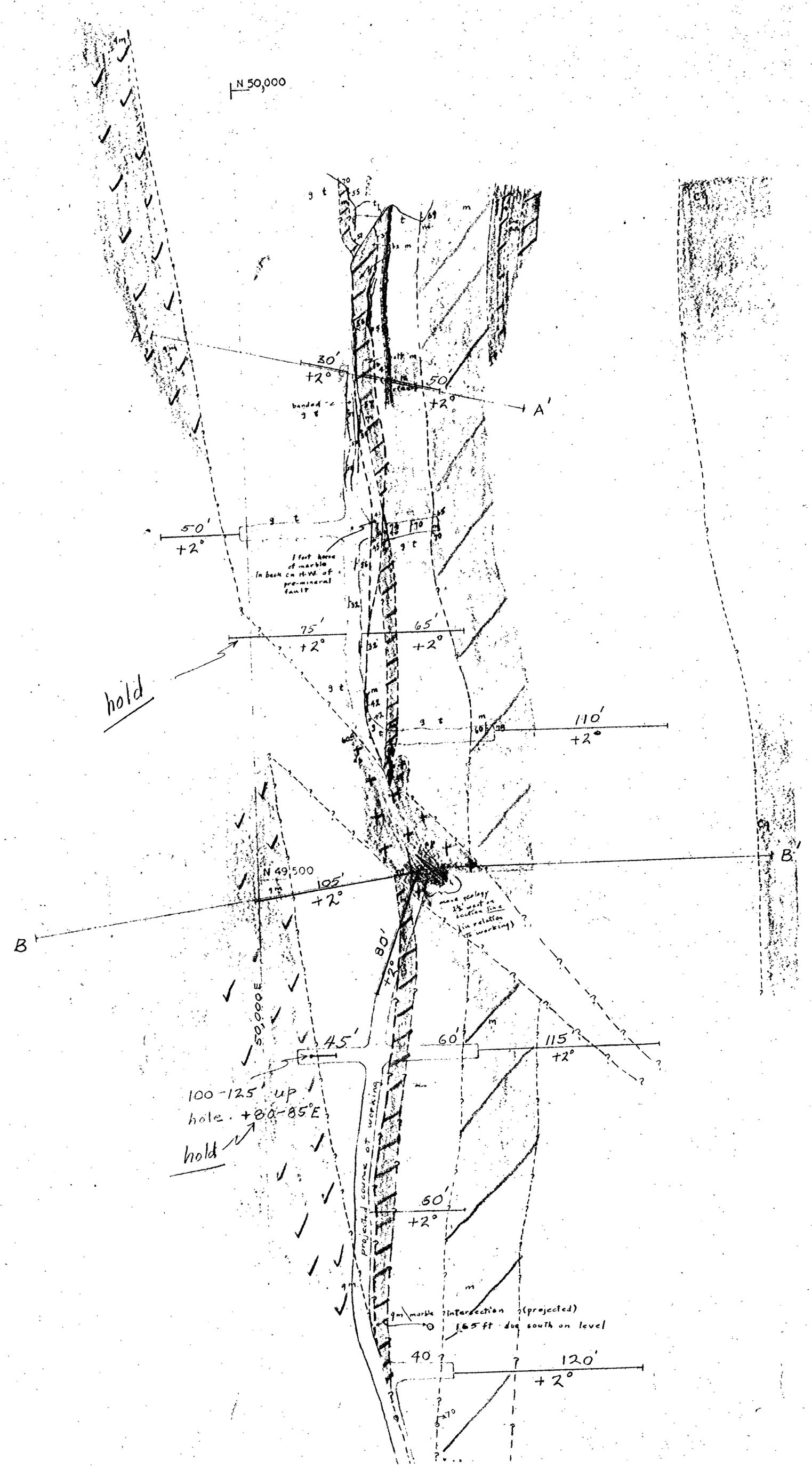
PROPOSED DIAMOND DRILLING PROGRAM
AT
H ADIT, LOST CREEK

Scale: 1" = 50'

April, 1953

EXPLANATION

ap	Aplite
peg	Pegmatite
qm	Quartz monzonite
t	Undifferentiated tactite
g t	Garnet-rich tactite
gn t	Green tactite
m	Marble
shatt m	Shattered marble
bx m	Brecciated marble
s m	Sandy marble
h	Hornfels
gn h	Green hornfels
sil h	Siliceous hornfels
qtzite	Quartzite
Cq	Quadrant quartzite



Diamond Drill Holes +2°

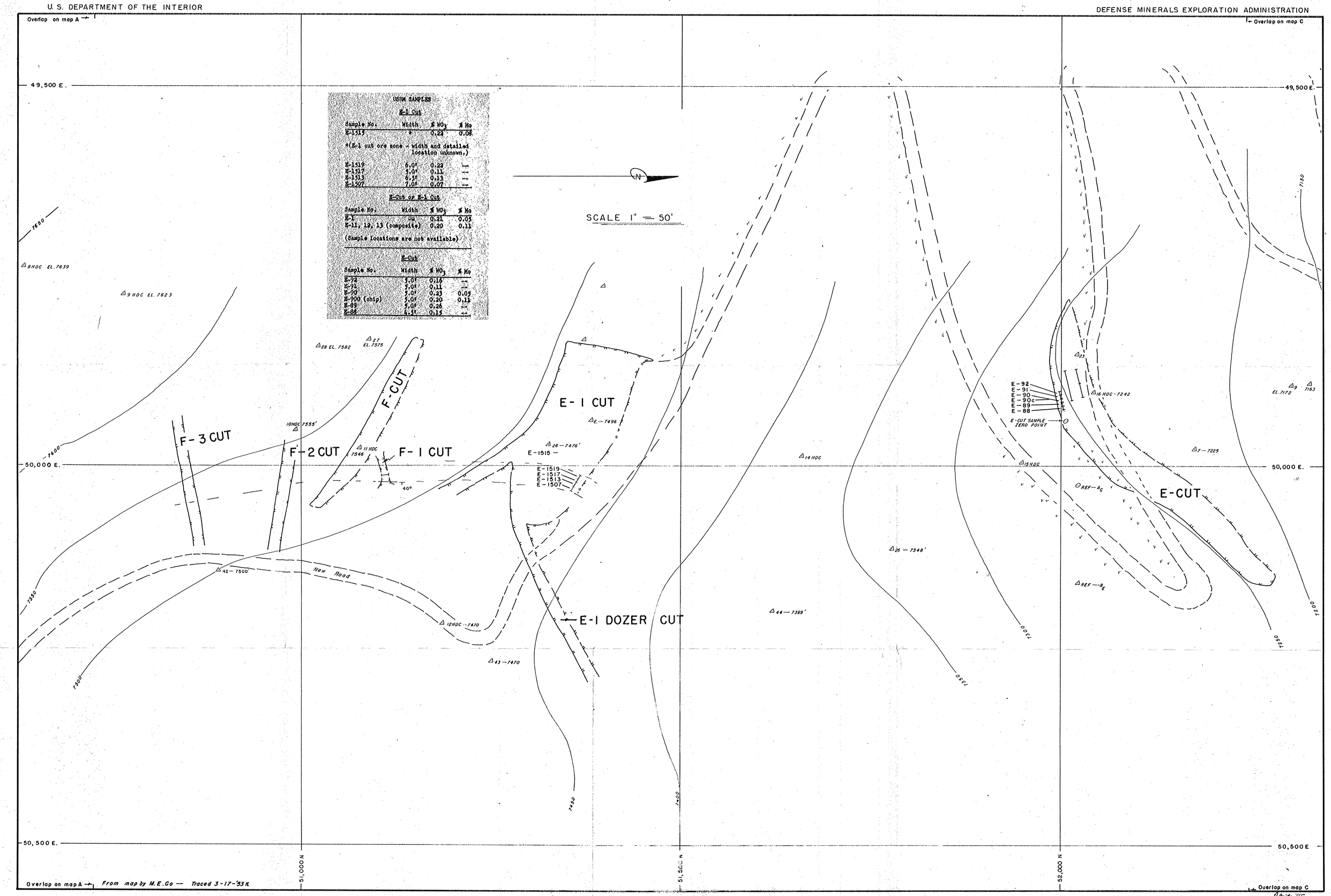
MINERALS ENGINEERING COMPANY

LOST CREEK MINE

SCALE 1" = 20'

"B" LEVEL

Plate IV



USBM SAMPLES

E-1 Cut

Sample No.	Width	% WO_3	% Mo
E-1515	*	0.24	0.08

*(E-1 cut ore zone - width and detailed location unknown.)

E-1519	6.0'	0.22	--
E-1517	5.0'	0.11	--
E-1513	6.5'	0.13	--
E-1507	7.0'	0.07	--

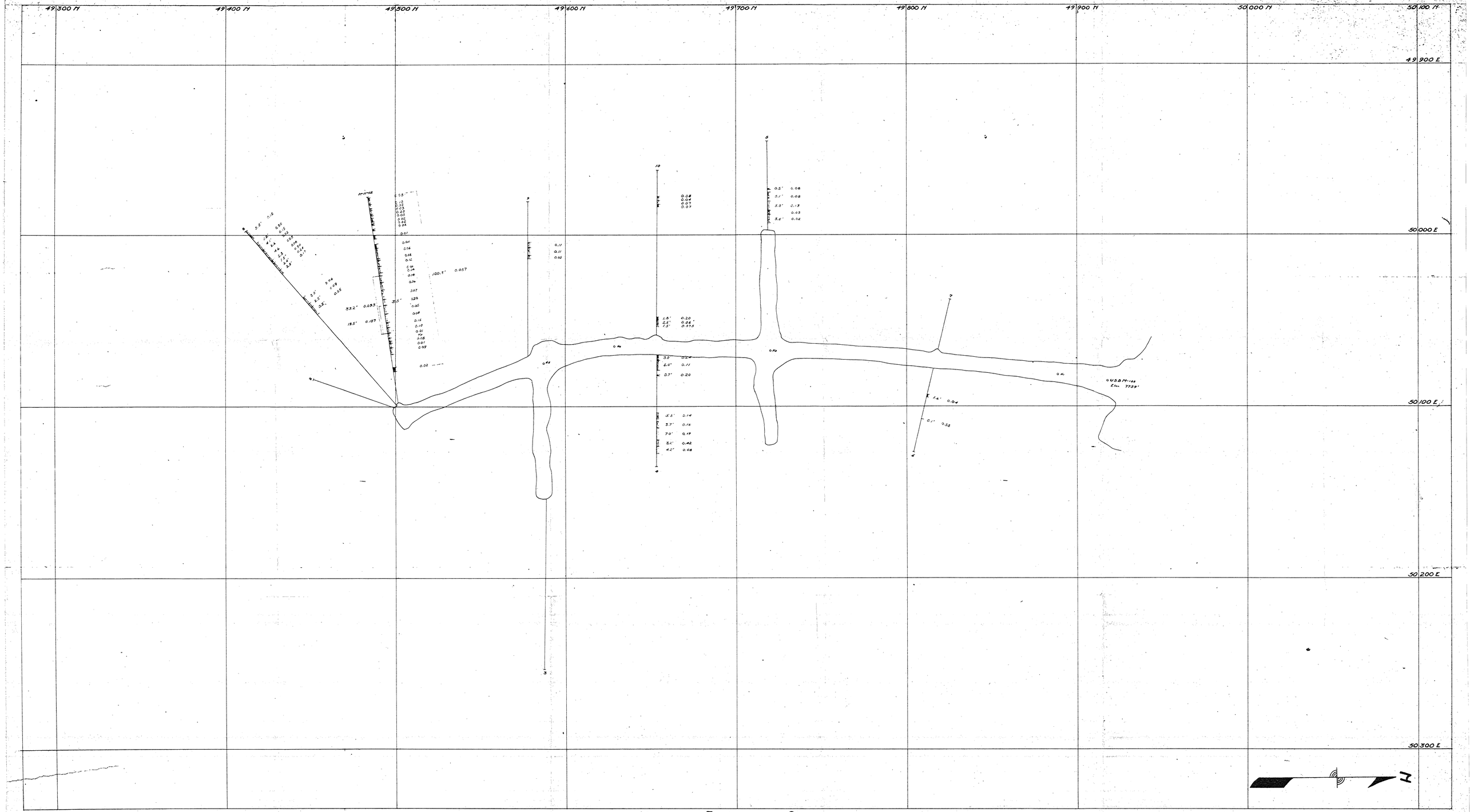
E-Cut or E-1 Cut

Sample No.	Width	% WO_3	% Mo
E-1	Cu	0.21	0.05
E-11, 12, 13 (composite)		0.20	0.11

(Sample locations are not available)

E-Cut

Sample No.	Width	% WO_3	% Mo
E-92	5.0'	0.16	--
E-91	5.0'	0.11	--
E-90	5.0'	0.23	0.05
E-90c (chip)	5.0'	0.20	0.11
E-89	5.0'	0.26	--
E-88	4.5'	0.15	--



Diamond Drill Holes #11 +35° 90'
#12 -40° 92'
Others + 2°

MINERALS ENGINEERING COMPANY

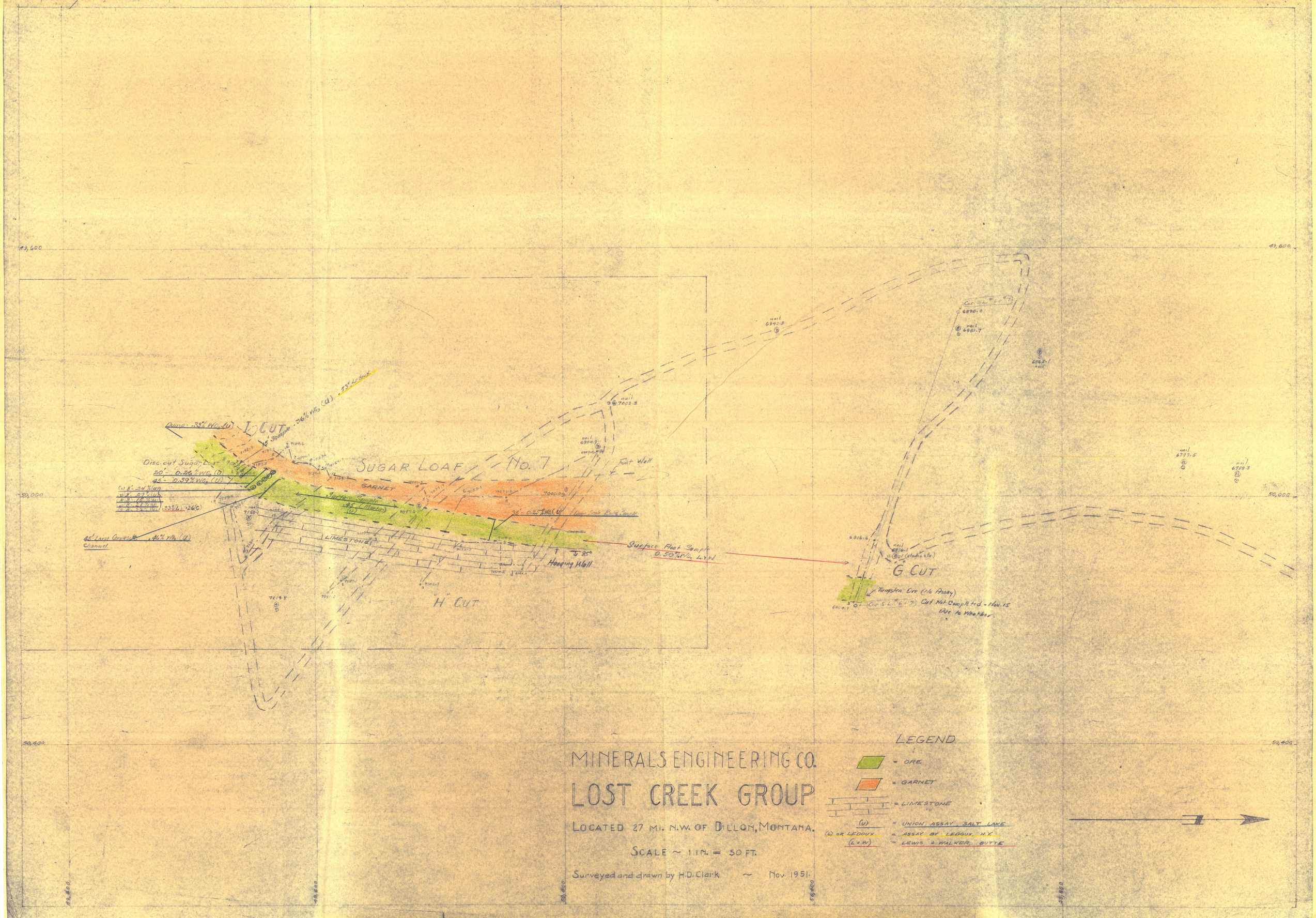
LOST CREEK MINE

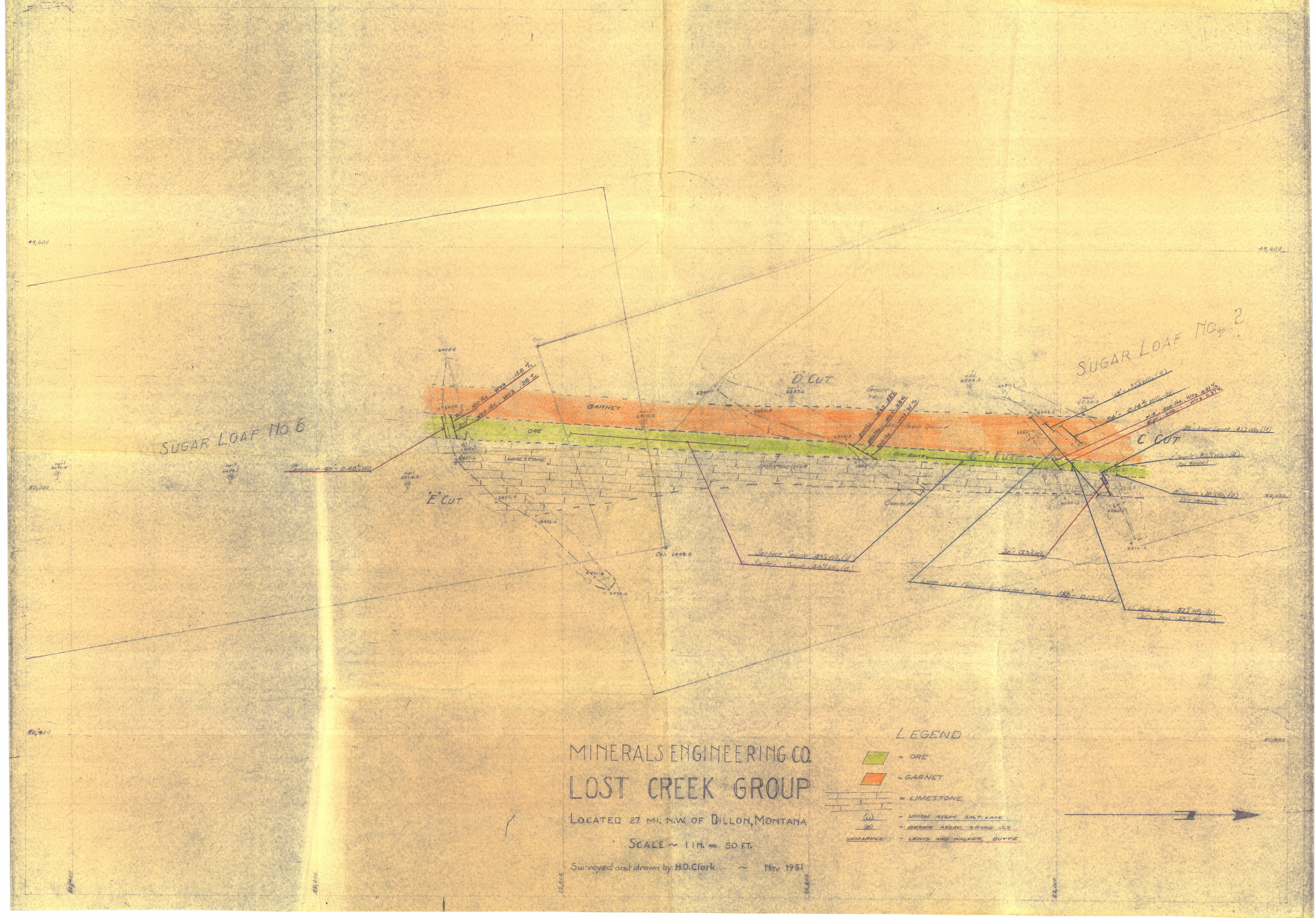
SCALE 1"=20'

"H" LEVEL

Plate V

LJG 11/54


49,600
50,000
50,400
I CUT
Dump - .33% WO3 (U)
Sample - .36% WO3 (U) .53% Ledoux
Disc. cut Sugar Loaf
20' - 0.26% WO3 (U)
45' - 0.59% WO3 (U)
(1) 8' - .34% (U)
(2) 8' - .07% (U)
(3) 8' - .19% (U)
(4) 8' - .21% (U)
(5) 8' - .32% (U) .33% (L) .26 (C)
45' Large Convex Channel .46% WO3 (U)
SUGAR LOAF No. 7
GARNET
Surface Sample 45' (Martin) (U)
LIMESTONE
Foot Wall
Hanging Wall
85°
20' - 0.25% WO3 (U) Lower Tunnel Bottom Sample
Surface Float Sample 0.50% WO3 Level
H CUT
G CUT
Tungsten Ore (No Assay)
Cut Not Completed - Nov. 15 Due to Weather
MINERALS ENGINEERING CO.
LOST CREEK GROUP
LOCATED 27 MI. N.W. OF DILLON, MONTANA.
SCALE ~ 1 IN. = 50 FT.
Surveyed and drawn by H.D. Clark ~ Nov. 1951.
LEGEND
= ORE
= GARNET
= LIMESTONE
(U) = UNION ASSAY SALT LAKE
(L) OR LEDOUX = ASSAY BY LEDOUX, N.Y.
(L + W) = LEWIS + WALKER, BUTTE



MINERALS ENGINEERING CO.

LOST CREEK GROUP

LOCATED 27 MI. N.W. OF DILLON, MONTANA

SCALE ~ 1 IN. = 50 FT.

Surveyed and drawn by H.D. Clark ~ Nov. 1951