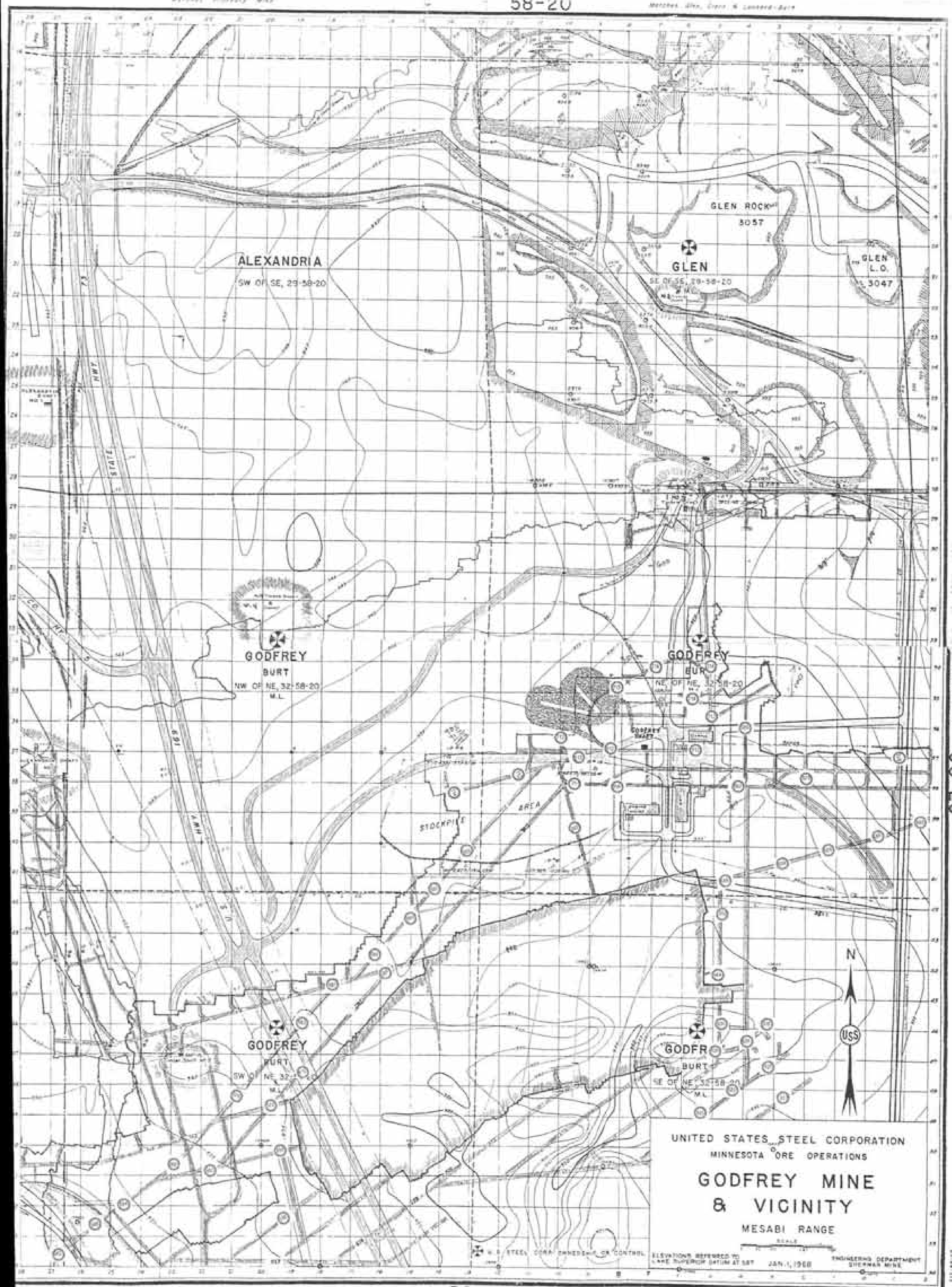
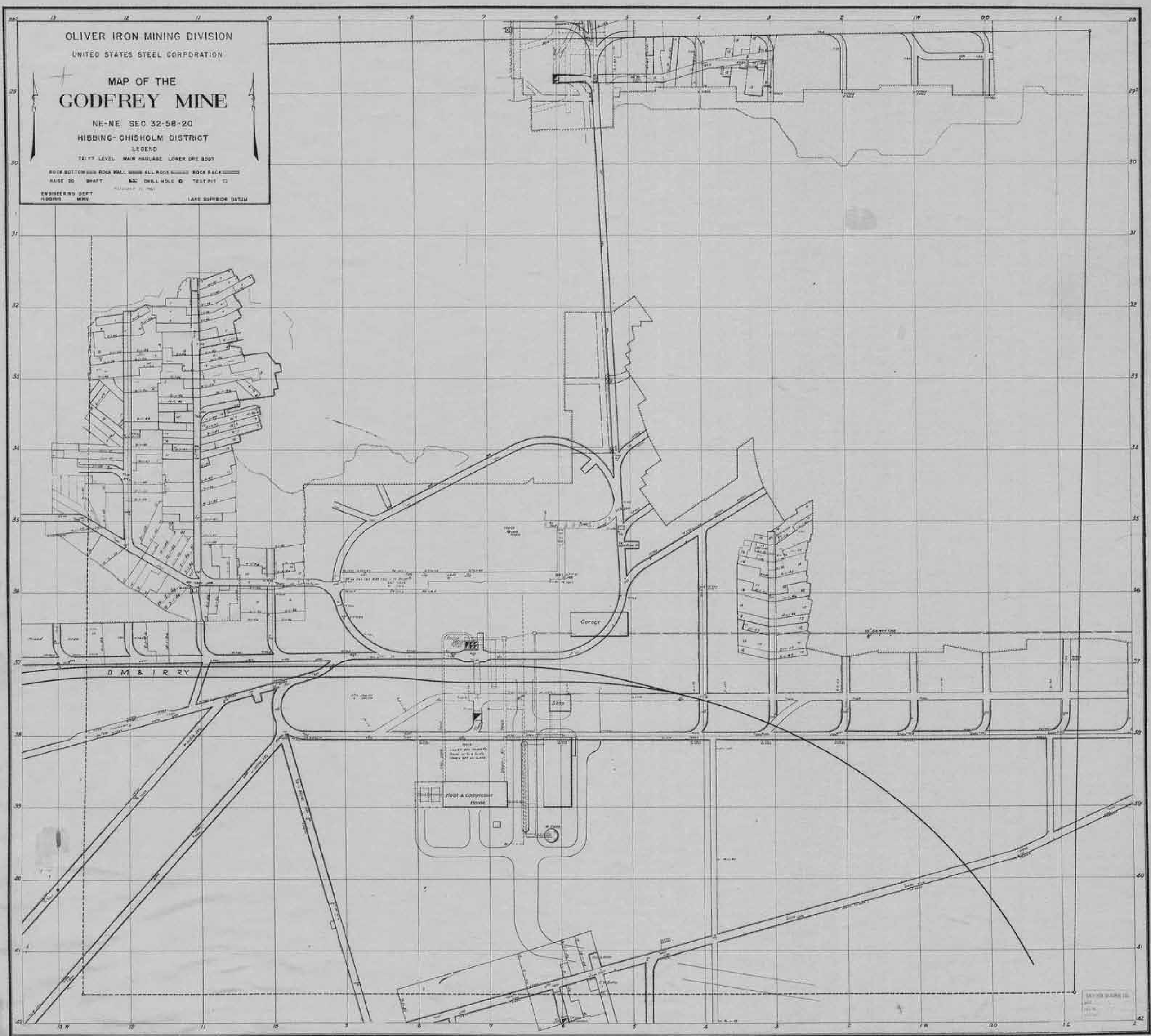
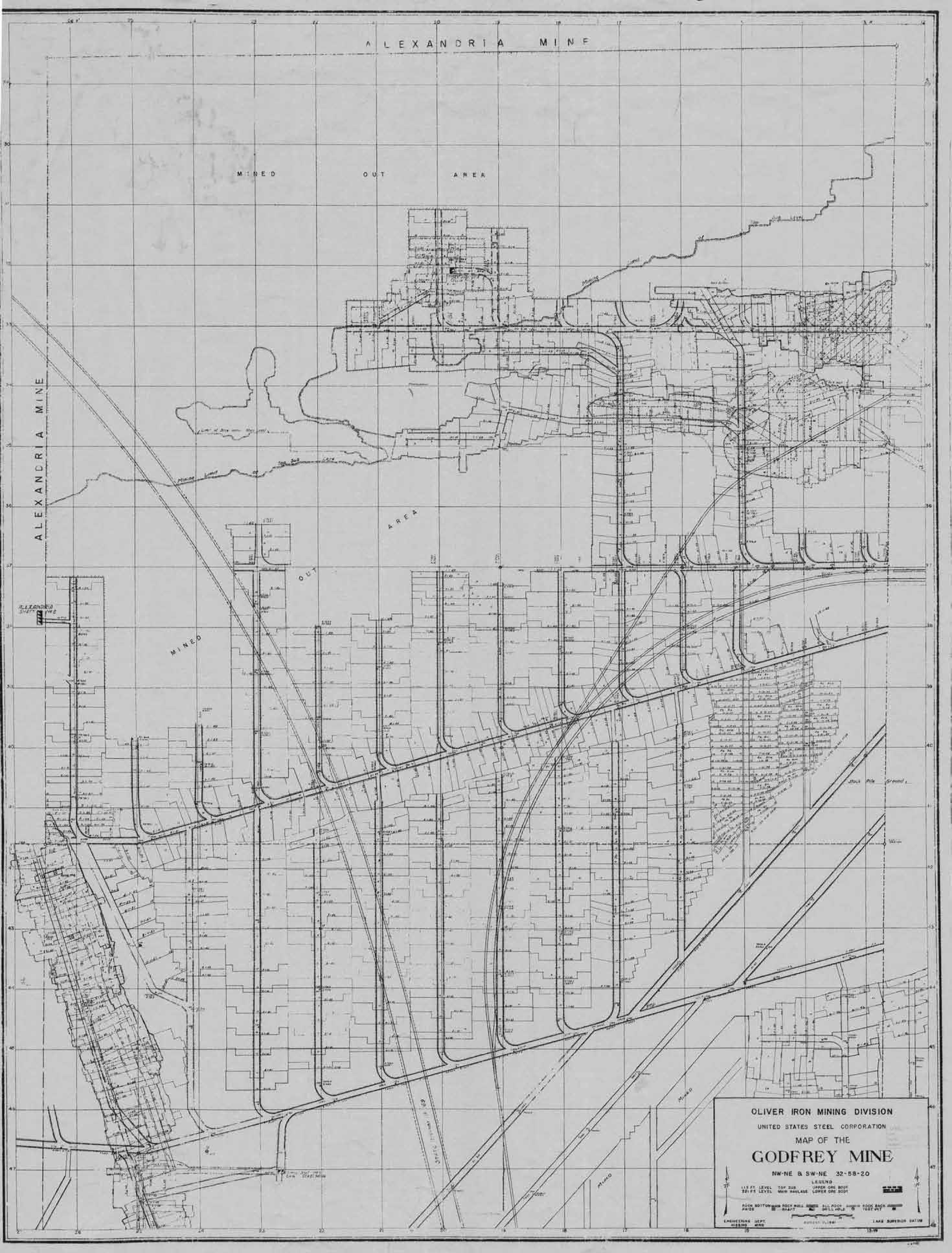

ALEXANDRIA
SW OF SE, 29-58-20
GLEN ROCK
3057
GLEN
SE OF SE, 29-58-20
GLEN
L.O.
3047
GODFREY
BURT
NW OF NE, 32-58-20
M.L.
GODFREY
BURT
NE OF NE, 32-58-20
STOCKPILE
AREA
GODFREY
BURT
SW OF NE, 32-58-20
M.L.
GODFREY
BURT
SE OF NE, 32-58-20
M.L.
N
U.S.S.
UNITED STATES STEEL CORPORATION
MINNESOTA ORE OPERATIONS
GODFREY MINE
& VICINITY
MESABI RANGE
SCALE
ELEVATIONS REFERRED TO
LAKE SUPERIOR DATUM AT SAT
JAN. 1, 1968
ENGINEERING DEPARTMENT
SHERMAN MINE

SNYDER MINING CO.
GODFREY MINE
MONROE-FEE, SE-SE, SEC. 28-58-20
SECOND SLICE
LEGEND
ROCK IN BOTTOM
ROCK IN BACK
ROCK IN SIDES
ALL ROCK DRIFT
ROCK IN BOTTOM AND PART OF SIDES
ROCK IN BACK AND PART OF SIDES
SCALE
ELEVATIONS REFERRED TO LAKE SUPERIOR DATUM
ENGINEERING DEPARTMENT CHISHOLM MINNESOTA
N

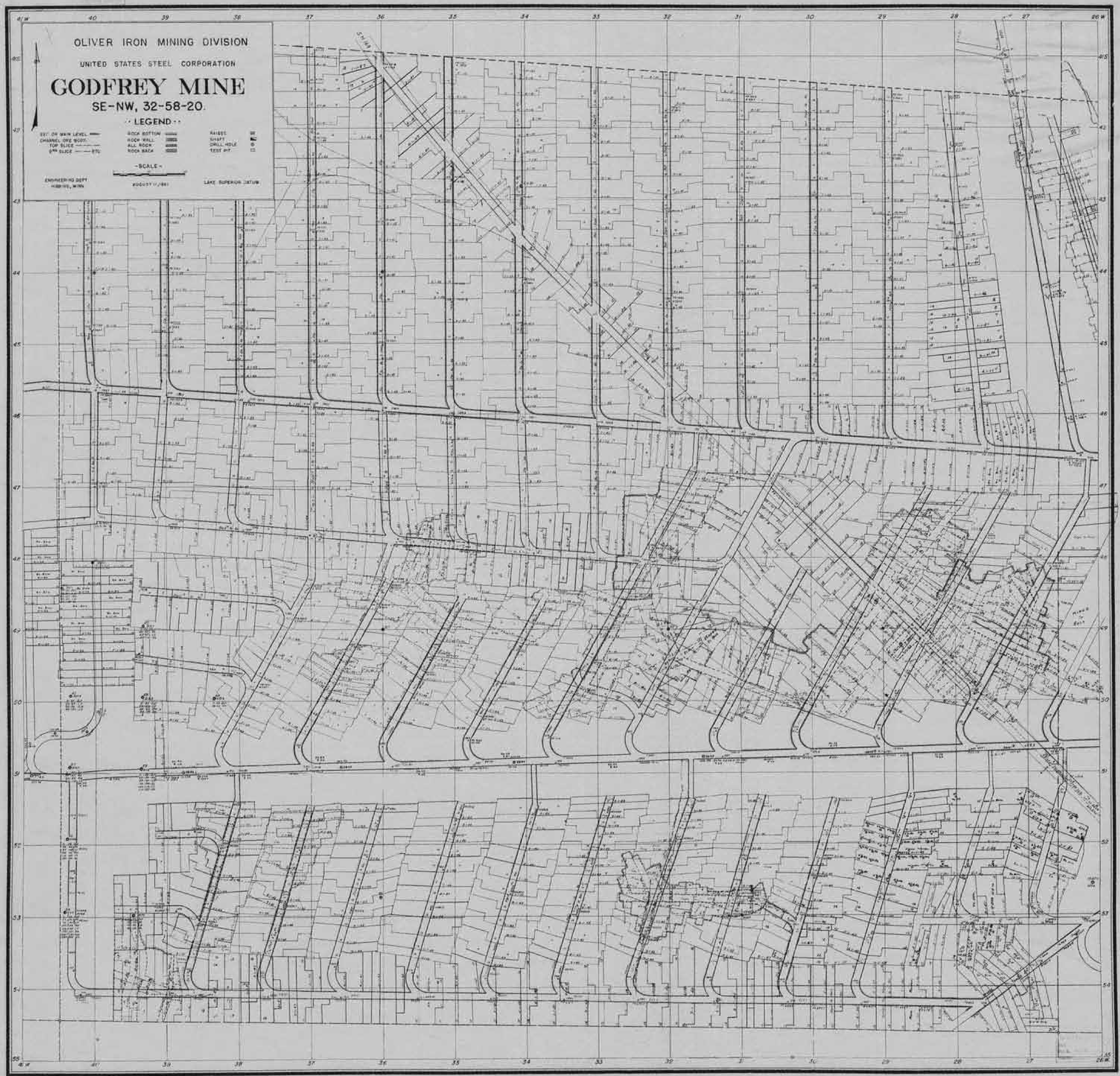
OLIVER IRON MINING DIVISION
UNITED STATES STEEL CORPORATION
GODFREY MINE
MONROE-FEE, SE-SE, SEC. 28-58-20.
LEGEND
ROCK IN BOTTOM
ROCK IN BACK
ROCK IN SIDES
ALL ROCK DRIFT
ROCK IN BOTTOM AND PART OF SIDES
ROCK IN BACK AND PART OF SIDES
SCALE
ENGINEERING DEPT.
HIBBING, MINN.
LAKE SUPERIOR DATUM
HIBBING-CHISHOLM DIST.

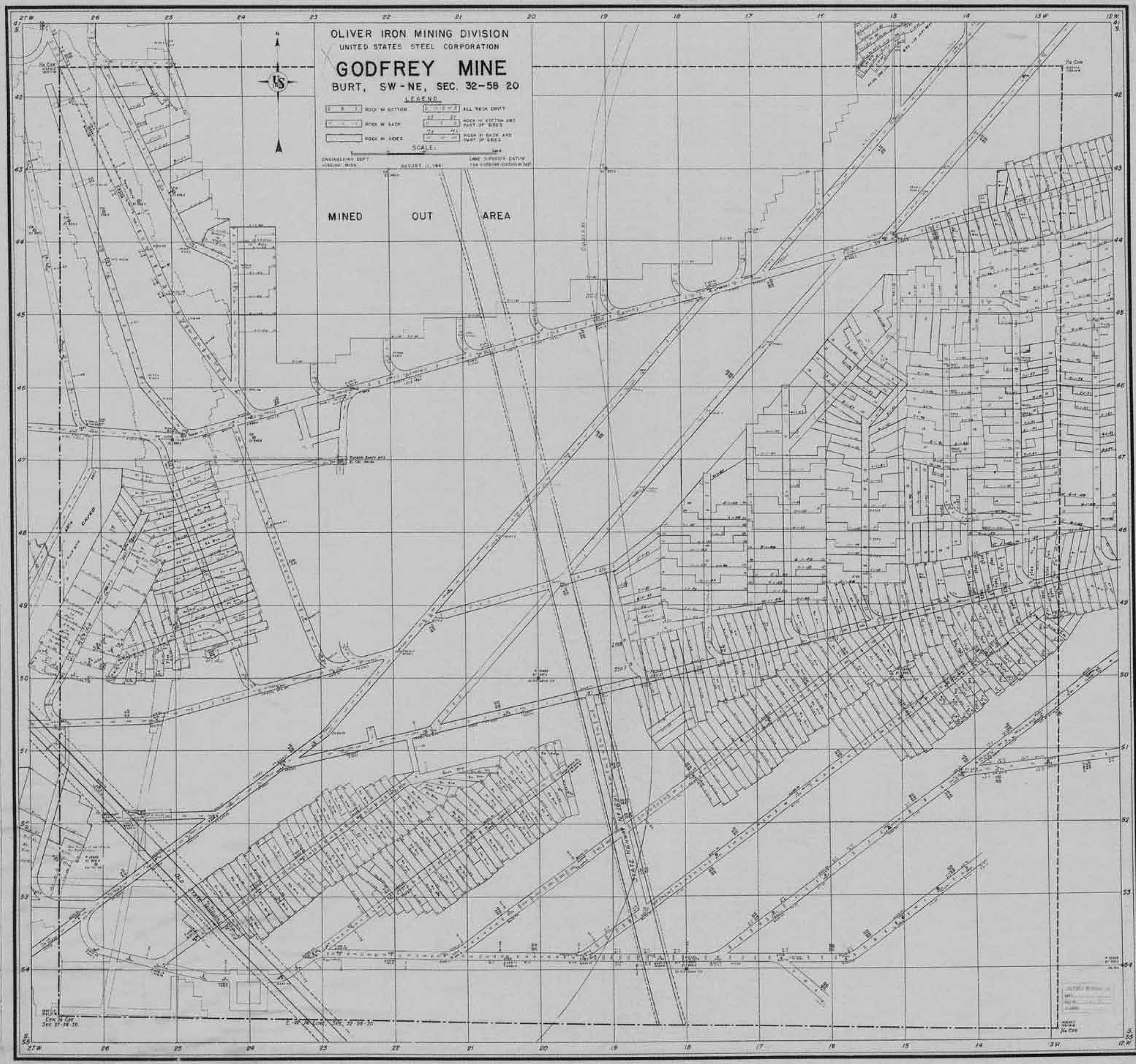
SNYDER MINING CO.
GODFREY MINE
MONROE-FEE, SE-SE, SEC. 28-58-20
SECOND
LEGEND
SLICE
ROCK IN BOTTOM
ROCK IN BACK
ROCK IN SIDES
ALL ROCK DRIFT
ROCK IN BOTTOM AND PART OF SIDES
ROCK IN BACK AND PART OF SIDES
SCALE
ELEVATIONS REFERRED TO LAKE SUPERIOR DATUM
ENGINEERING DEPARTMENT CHISHOLM MINNESOTA
N


OLIVER IRON MINING DIVISION
UNITED STATES STEEL CORPORATION
MAP OF THE
GODFREY MINE
NE-NE SEC 32-58-20
HIBBING-CHISHOLM DISTRICT
LEGEND
ROCK BOTTOM
ROCK WALL
ALL ROCK
ROCK BACK
RAISE
SHAFT
DRILL HOLE
TEST PIT
ENGINEERING DEPT
HIBBING MINN
LAKE SUPERIOR DATUM
Garage
D M & I R RY
Shop
Hoist & Compressor House

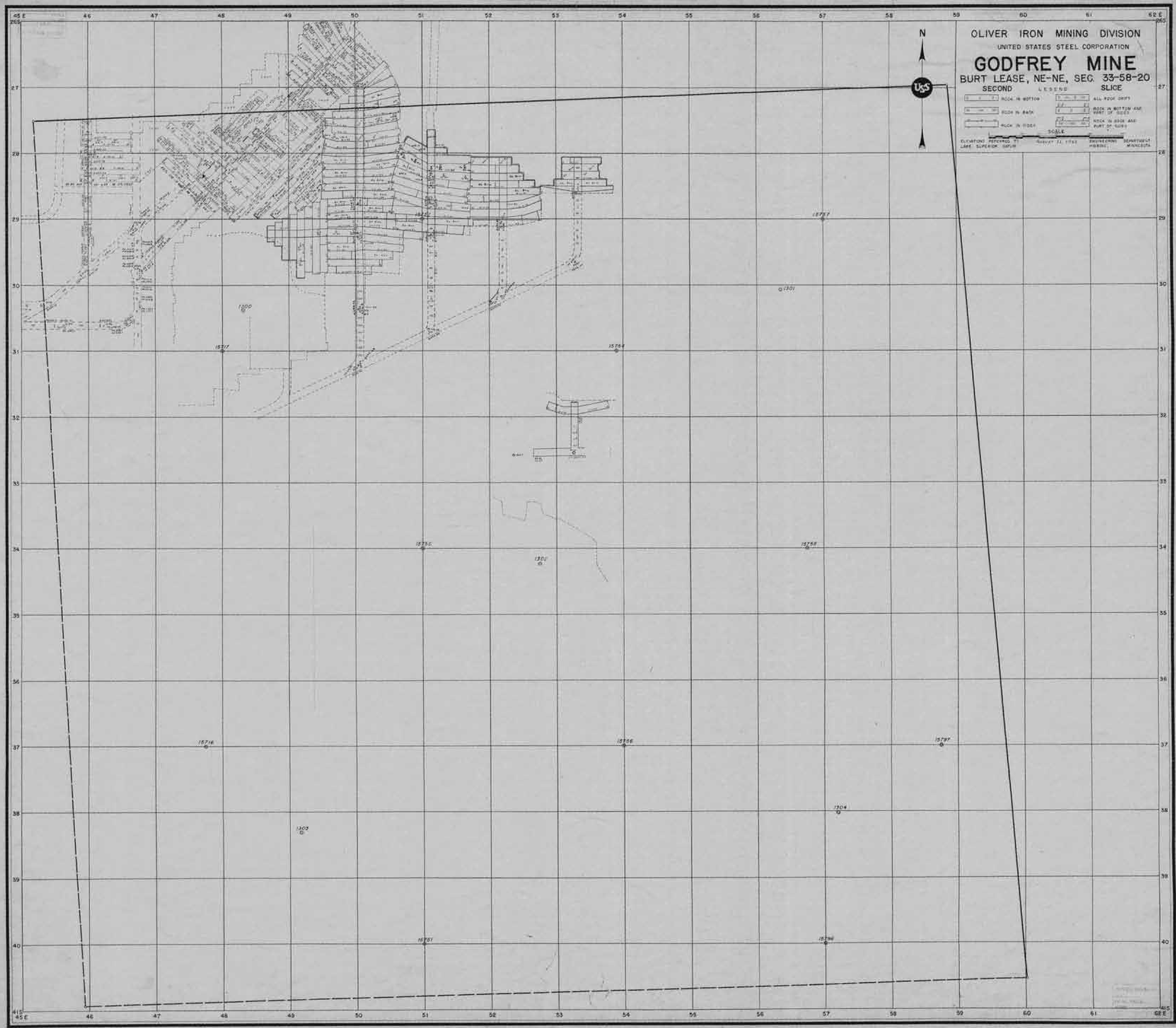

ALEXANDRIA MINE
MINED OUT AREA
ALEXANDRIA MINE
MINED OUT AREA
Mining Limit
Top Sub Level
ALEXANDRIA SHAFT
Stock Pile Ground
OLIVER IRON MINING DIVISION
UNITED STATES STEEL CORPORATION
MAP OF THE
GODFREY MINE
NW-NE & SW-NE 32-58-20
LEGEND
115 FT. LEVEL
321 FT. LEVEL
TOP SUB
MAIN HAULAGE
UPPER ORE BODY
LOWER ORE BODY
ROCK BOTTOM
ROCK WALL
SILL ROCK
ROCK BACK
RAISE
SHAFT
DRILL HOLE
TEST PIT
ENGINEERING DEPT.
HIBBING MINN.
LAKE SUPERIOR DATUM

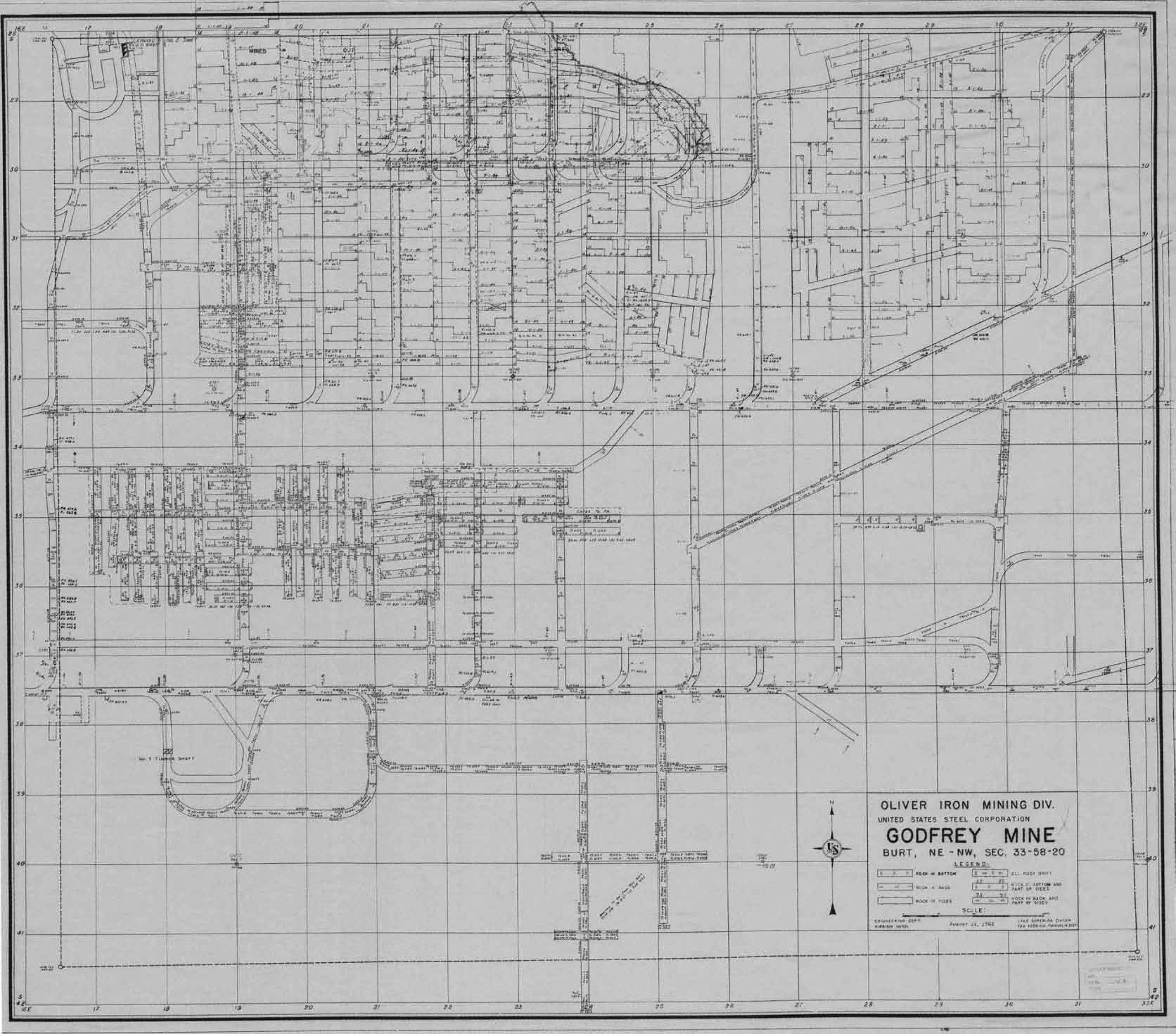
N
OLIVER IRON MINING DIVISION
UNITED STATES STEEL CORPORATION
GODFREY MINE
SE-NE, 32-58-20.
LEGEND
SCALE

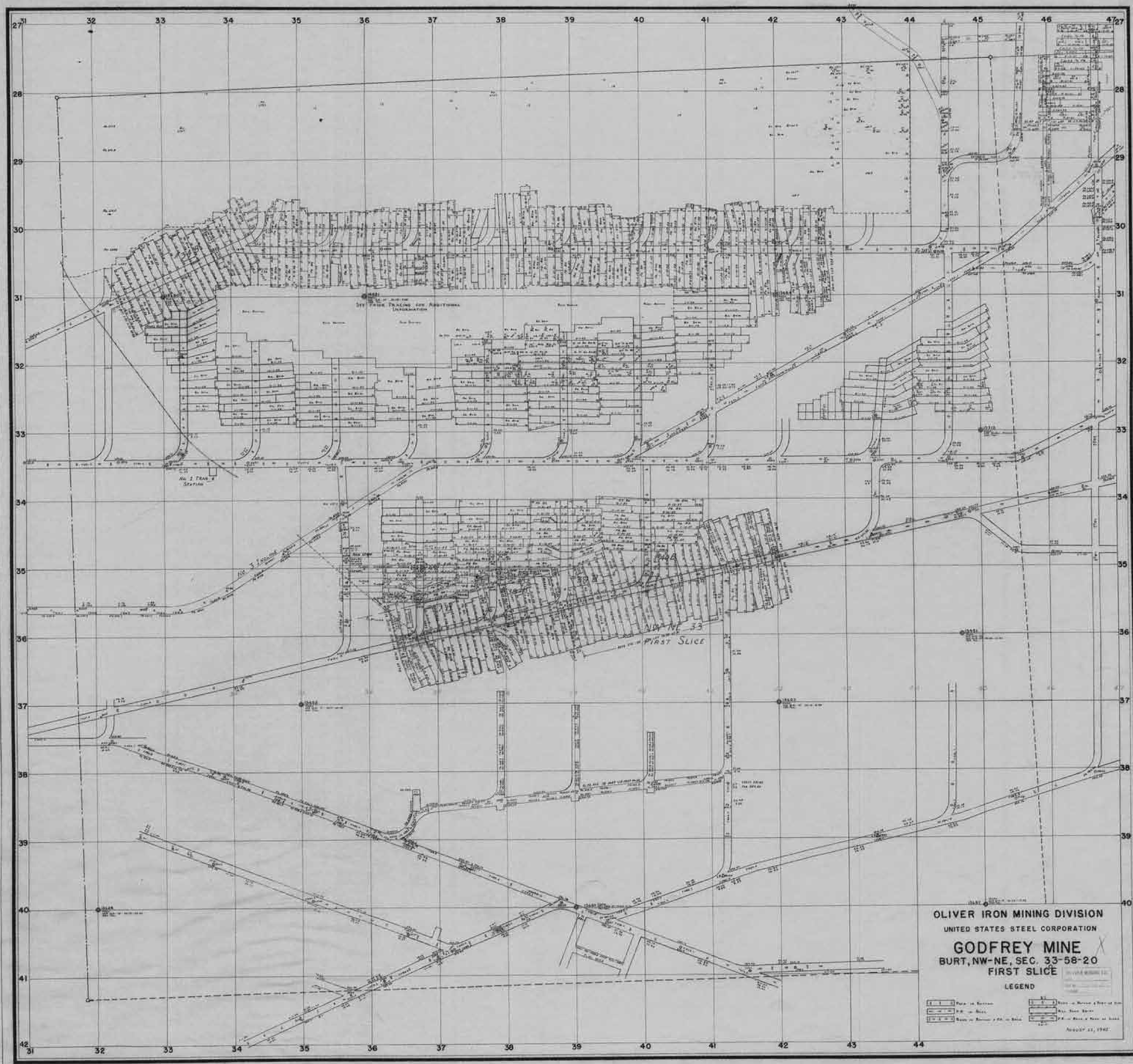

OLIVER IRON MINING DIVISION
UNITED STATES STEEL CORPORATION
GODFREY MINE
SE-NW, 32-58-20.
·· LEGEND ··
EST. OR MAIN LEVEL
CHANNEL ORE BODY
TOP SLICE
6TH SLICE
ROCK BOTTOM
ROCK WALL
ALL ROCK
ROCK BACK
RAISES
SHAFT
DRILL HOLE
TEST PIT
-SCALE-
ENGINEERING DEPT
HIBBING, MINN
AUGUST 17, 1961
LAKE SUPERIOR DATUM


OLIVER IRON MINING DIVISION
UNITED STATES STEEL CORPORATION
GODFREY MINE
BURT, SW-NE, SEC. 32-58 20
LEGEND
ROCK IN BOTTOM
ROCK IN BACK
ROCK IN SIDES
ALL ROCK DRIFT
ROCK IN BOTTOM AND PART OF SIDES
ROCK IN BACK AND PART OF SIDES
SCALE:
ENGINEERING DEPT
HIBBING MINE
AUGUST 11, 1961
LAKE SUPERIOR DATUM
THE HIBBING CONSTRUCTION DEPT
MINED OUT AREA
STATE HIGHWAY
OLD TRACK
Cen. ¼ Cor. Sec. 32-58-20
E-W ¼ LINE SEC. 32-58-20
¼ Cor.

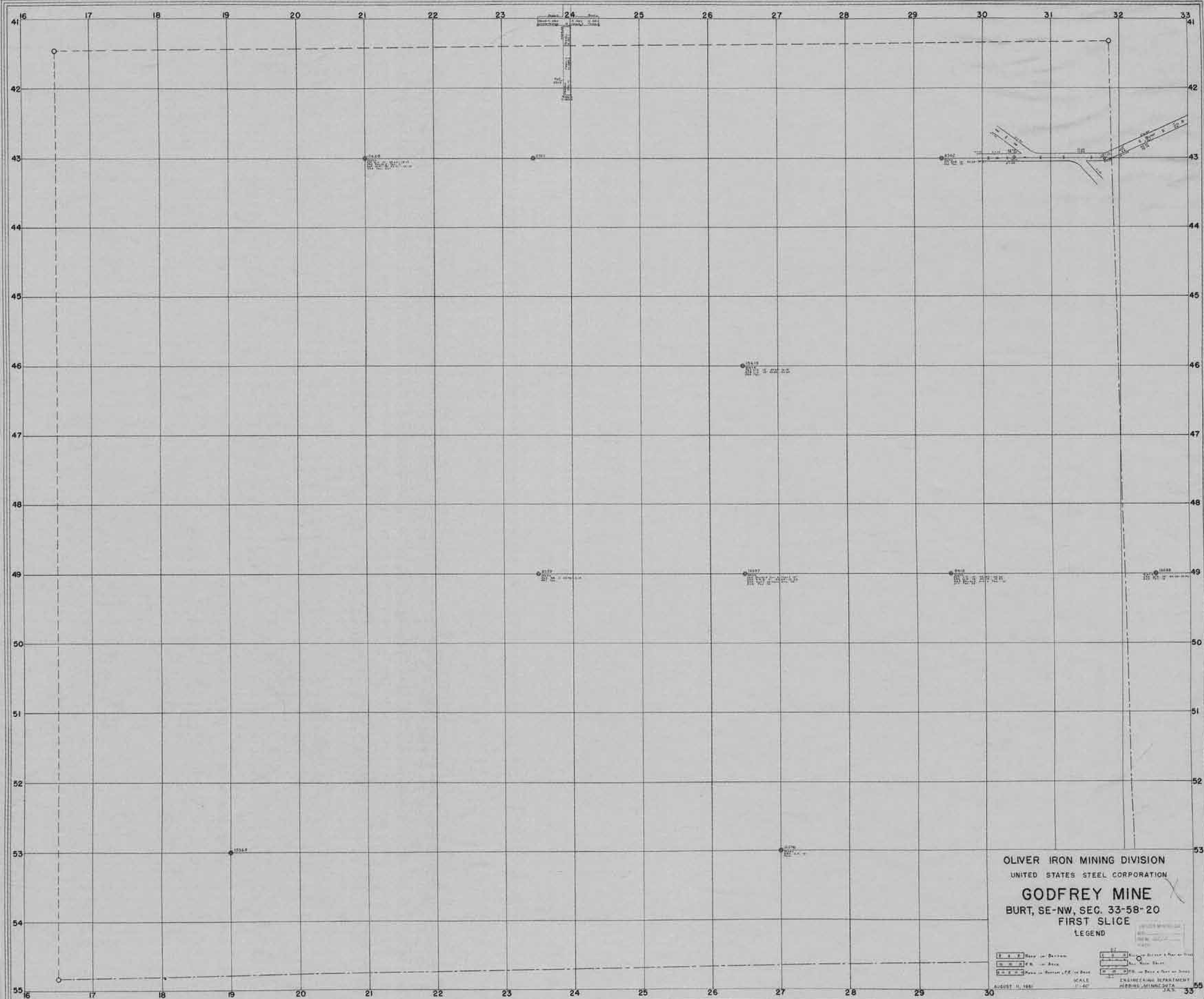
OLIVER IRON MINING DIVISION
UNITED STATES STEEL CORPORATION
GODFREY MINE
BURT, NE-NE, SEC. 33-58-20
FIRST SLICE
LEGEND
#46B
#51B
#52B
#50B
#52Bx
#54B
#56B
#57B

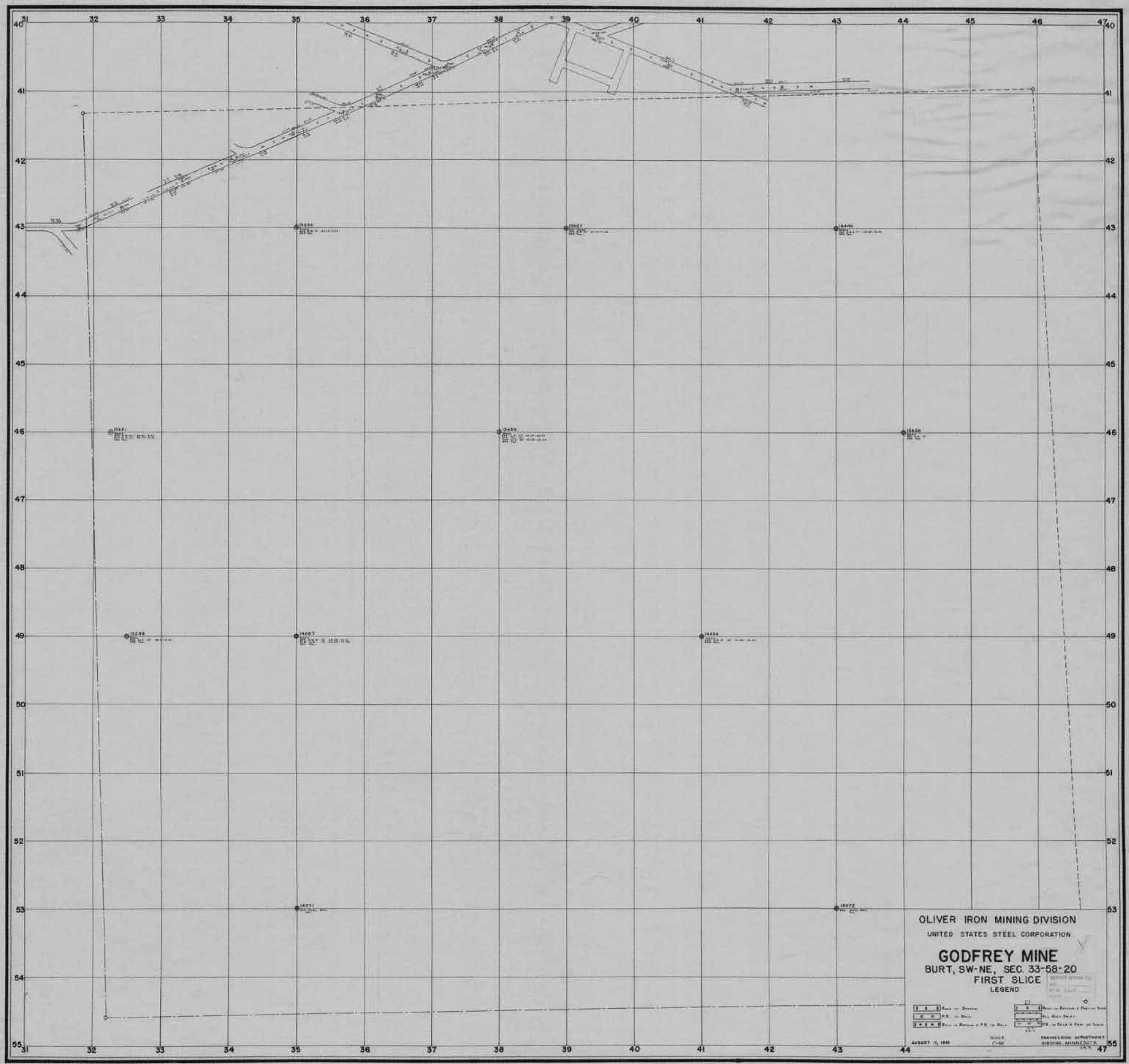

OLIVER IRON MINING DIVISION
UNITED STATES STEEL CORPORATION
GODFREY MINE
BURT LEASE, NE-NE, SEC. 33-58-20
SECOND SLICE
LEGEND
ROCK IN BOTTOM
ROCK IN BACK
ROCK IN SIDES
ALL ROCK DRIFT
ROCK IN BOTTOM AND PART OF SIDES
ROCK IN SIDES AND PART OF SIDES
SCALE
ELEVATIONS REFERRED TO LAKE SUPERIOR DATUM
ENGINEERING DEPARTMENT
HIBBING, MINNESOTA
N
USS

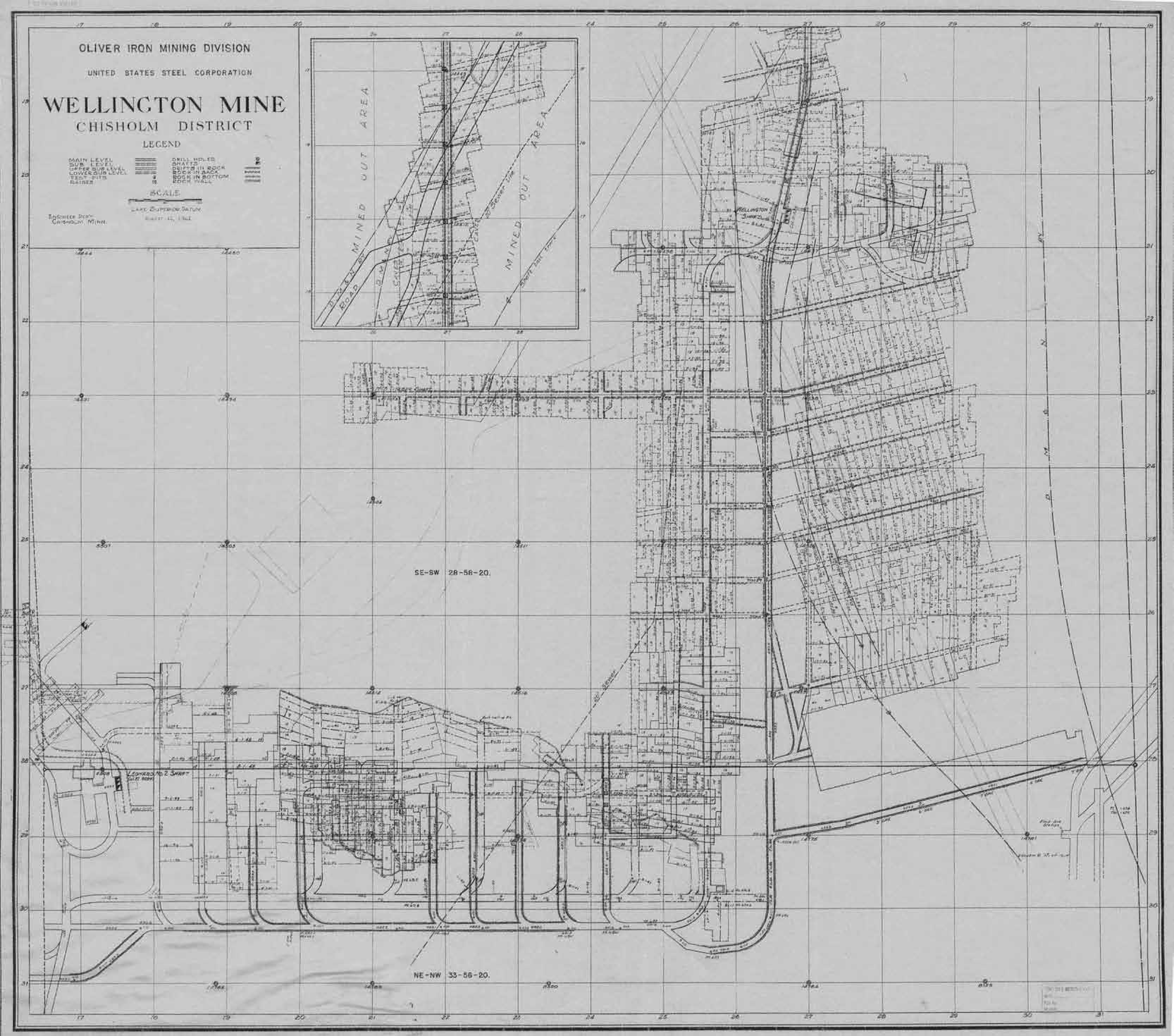

MINED OUT AREA
No. 1 TIMBER SHAFT
OLIVER IRON MINING DIV.
UNITED STATES STEEL CORPORATION
GODFREY MINE
BURT, NE - NW, SEC. 33-58-20
LEGEND:
ROCK IN BOTTOM
ROCK IN BACK
ROCK IN SIDES
ALL ROCK DRIFT
ROCK IN BOTTOM AND PART OF SIDES
ROCK IN BACK AND PART OF SIDES
SCALE
ENGINEERING DEPT.
HIBBING, MINN.
AUGUST 22, 1962
LAKE SUPERIOR DATUM
VIA HIBBING-CHISHOLM R.R.

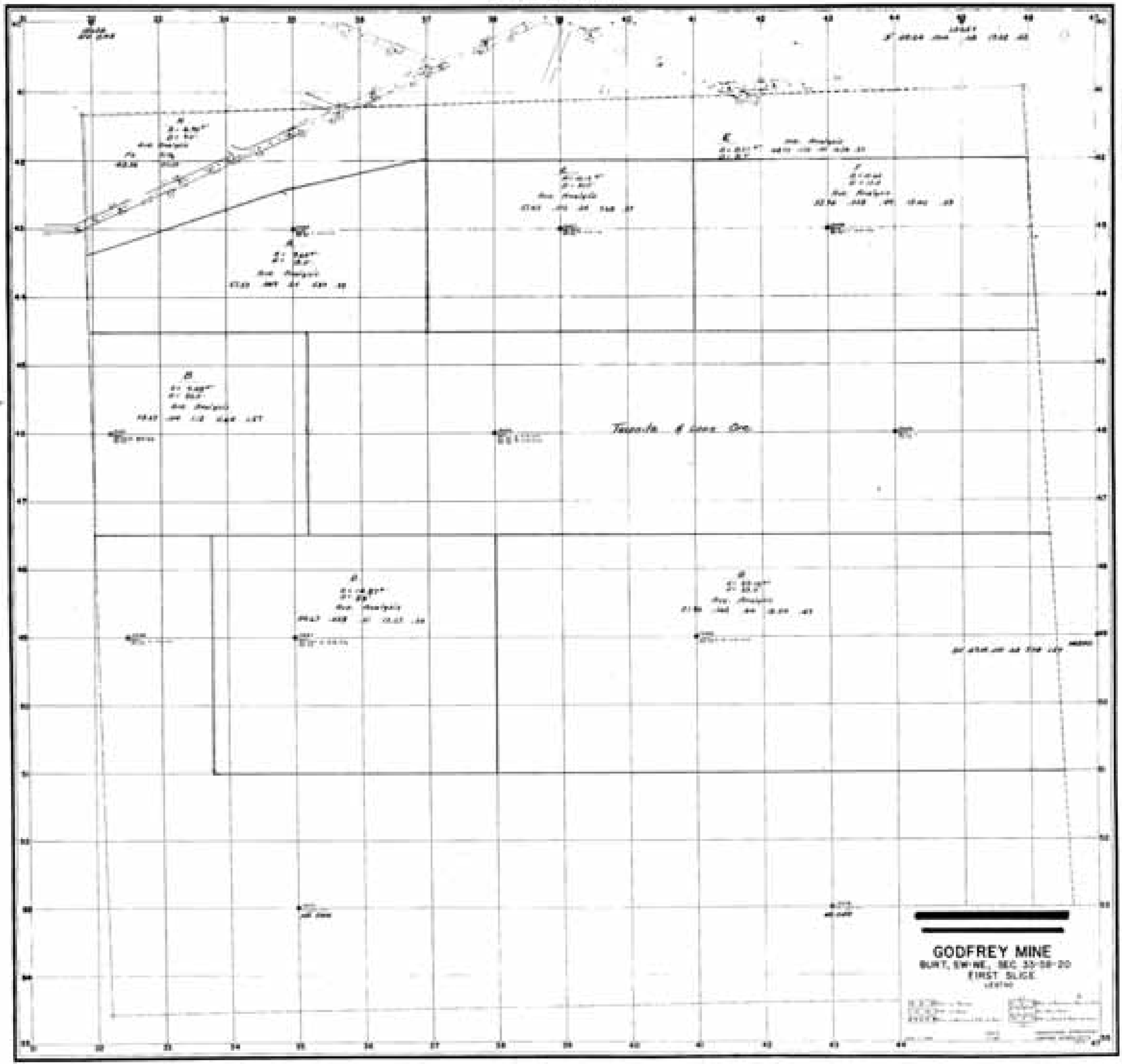

OLIVER IRON MINING DIVISION
UNITED STATES STEEL CORPORATION
GODFREY MINE
BURT, NW-NE, SEC. 33-58-20
FIRST SLICE
LEGEND
NW-NE 33
FIRST SLICE
No. 2 TRAN. & STATION

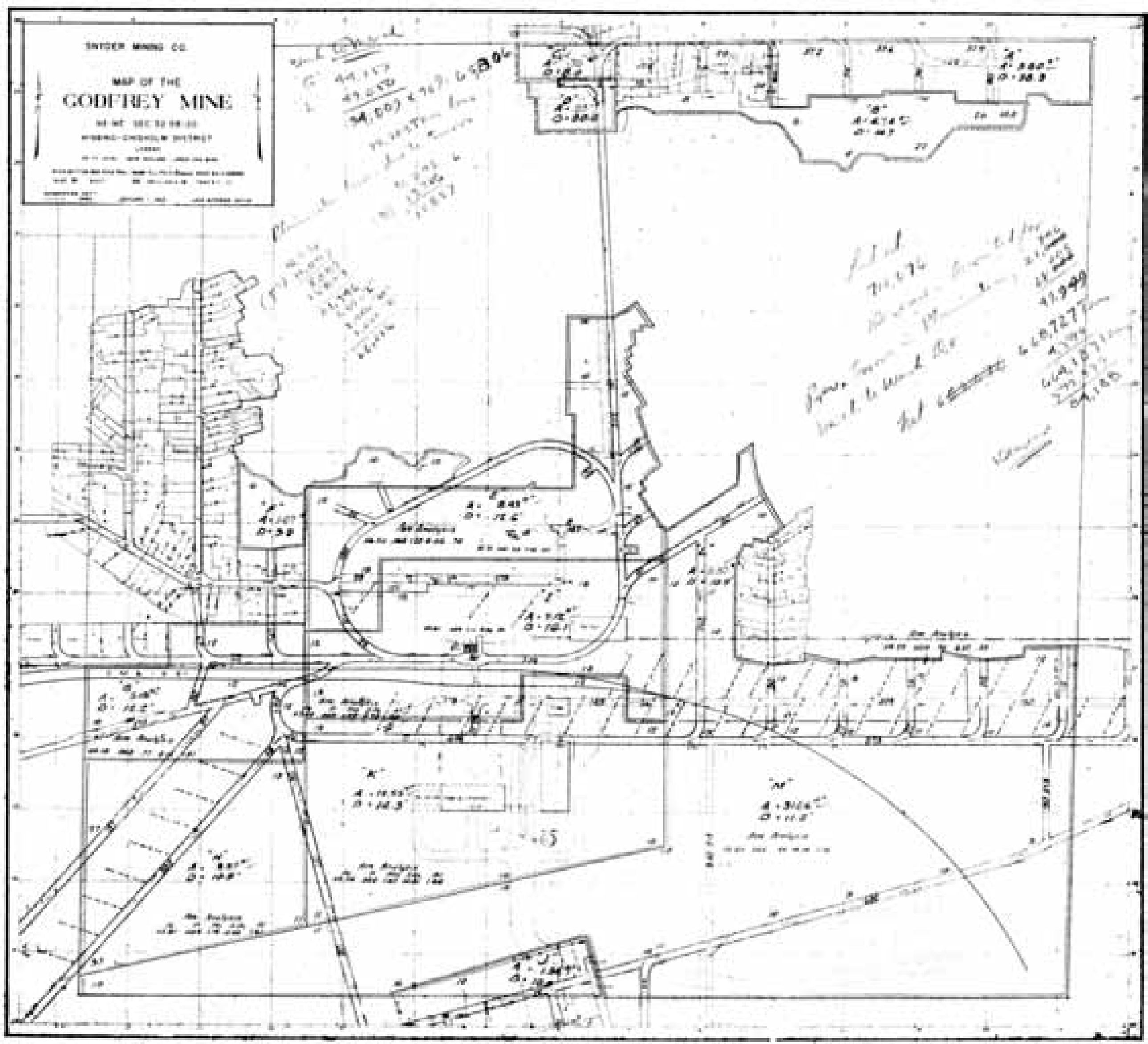
OLIVER IRON MINING DIVISION
UNITED STATES STEEL CORPORATION
GODFREY MINE
NW-NW- 33-58-20
LEGEND
ROCK BOTTOM
ROCK WALL
ALL ROCK
ROCK BACK
RAISE
SHAFT
DRILL HOLE
TEST PIT
ENGINEERING DEPT
LAKE SUPERIOR DATUM

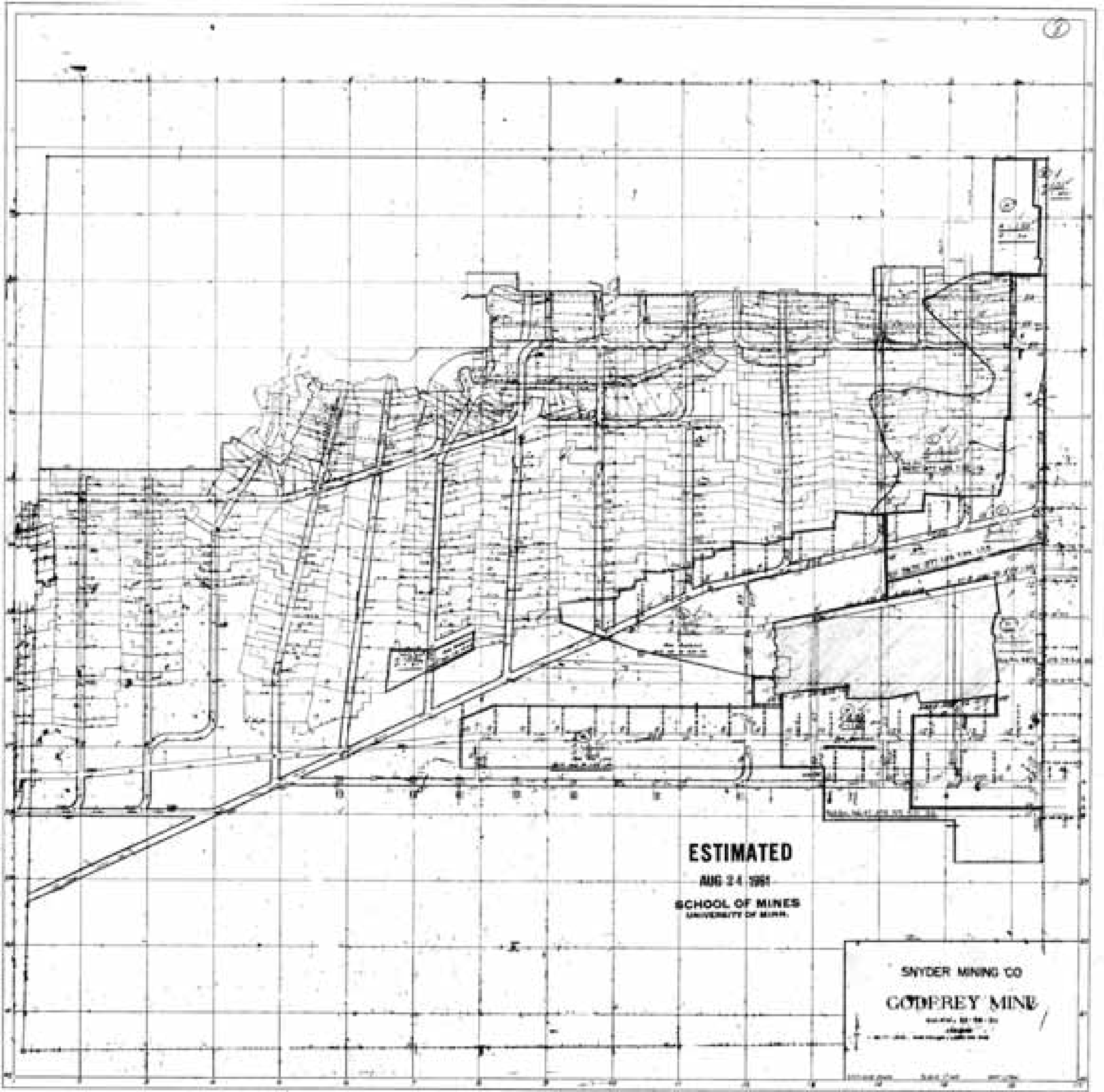

OLIVER IRON MINING DIVISION
UNITED STATES STEEL CORPORATION
GODFREY MINE
BURT, SE-NW, SEC. 33-58-20
FIRST SLICE
LEGEND
SCALE
ENGINEERING DEPARTMENT
HIBBING, MINNESOTA

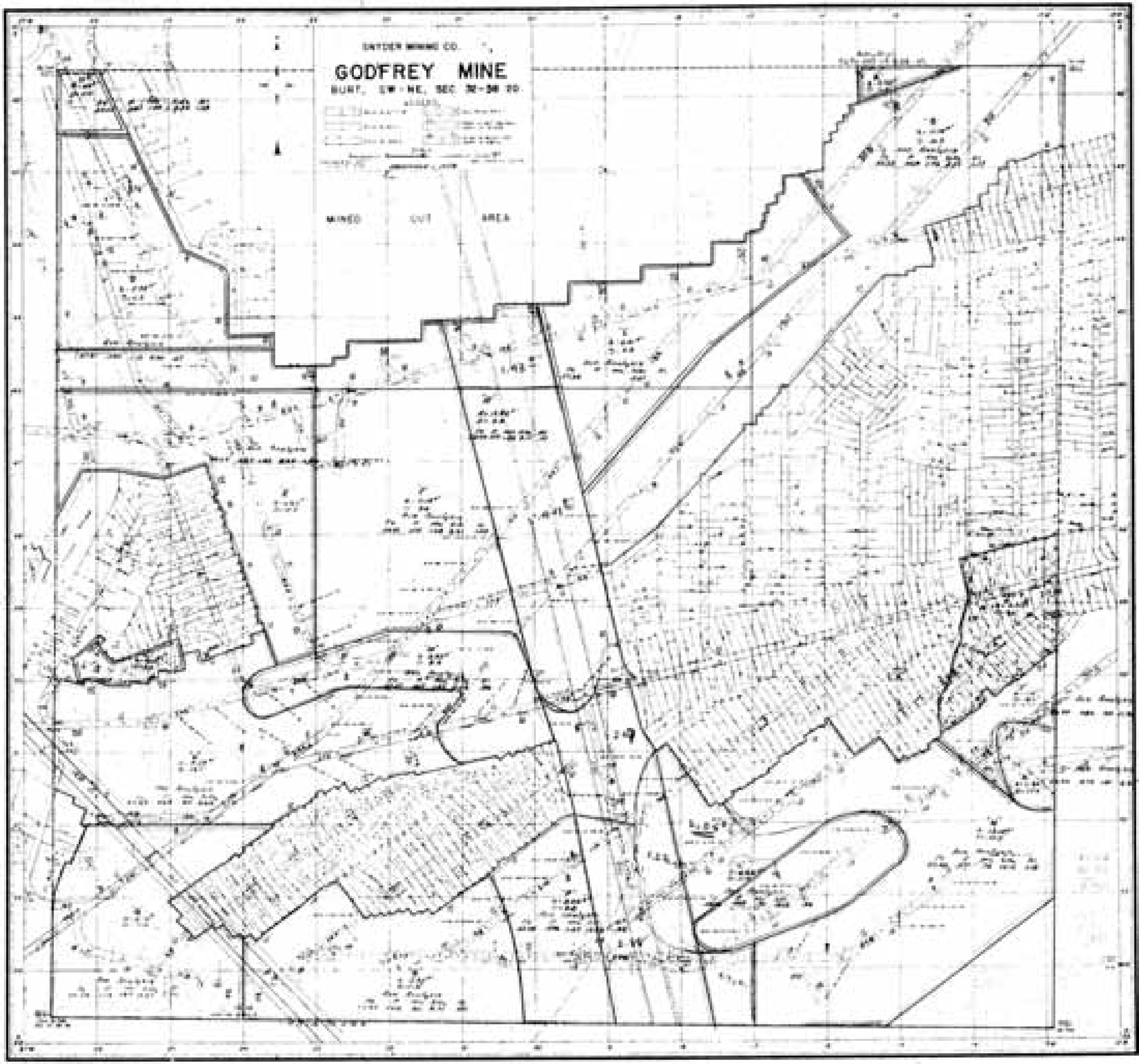

OLIVER IRON MINING DIVISION
UNITED STATES STEEL CORPORATION
GODFREY MINE
BURT, SW-NE, SEC. 33-58-20
FIRST SLICE
LEGEND
AUGUST 11, 1961
SCALE
1"=40'
ENGINEERING DEPARTMENT
HIBBING, MINNESOTA

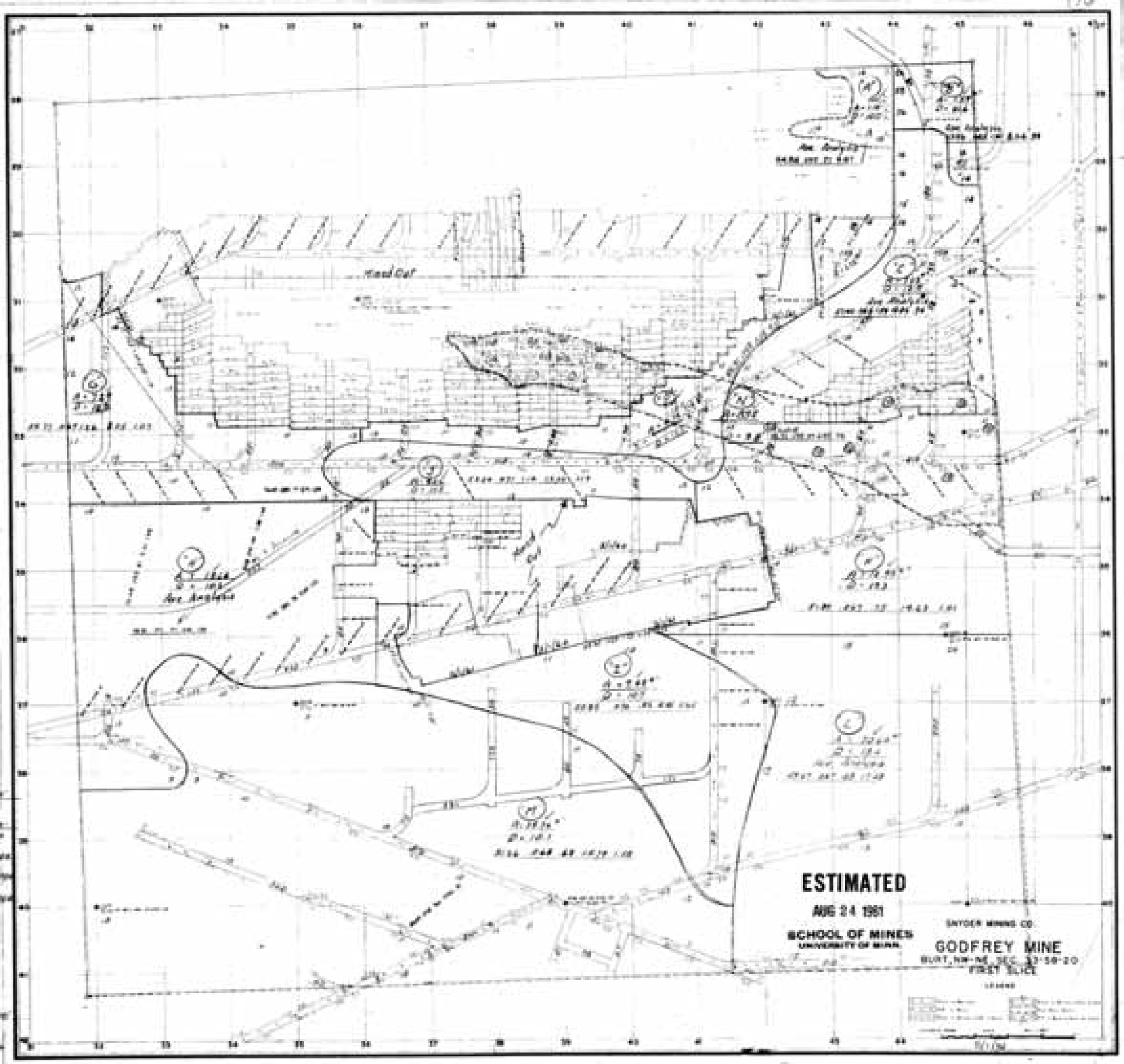

OLIVER IRON MINING DIVISION
UNITED STATES STEEL CORPORATION
WELLINGTON MINE
CHISHOLM DISTRICT
LEGEND
MAIN LEVEL
SUB LEVEL
UPPER SUB LEVEL
LOWER SUB LEVEL
TEST PITS
RAISES
DRILL HOLES
SHAFTS
DRIFTS IN ROCK
ROCK IN BACK
ROCK IN BOTTOM
ROCK WALL
SCALE
LAKE SUPERIOR DATUM
ENGINEER DEPT.
CHISHOLM, MINN.
MINED OUT AREA
MINED OUT AREA
DULUTH & IRON RANGE ROAD
SAUGER
WELLINGTON SHAFT
LEONARD NO. 2 SHAFT
SE-SW 28-58-20.
NE-NW 33-58-20.

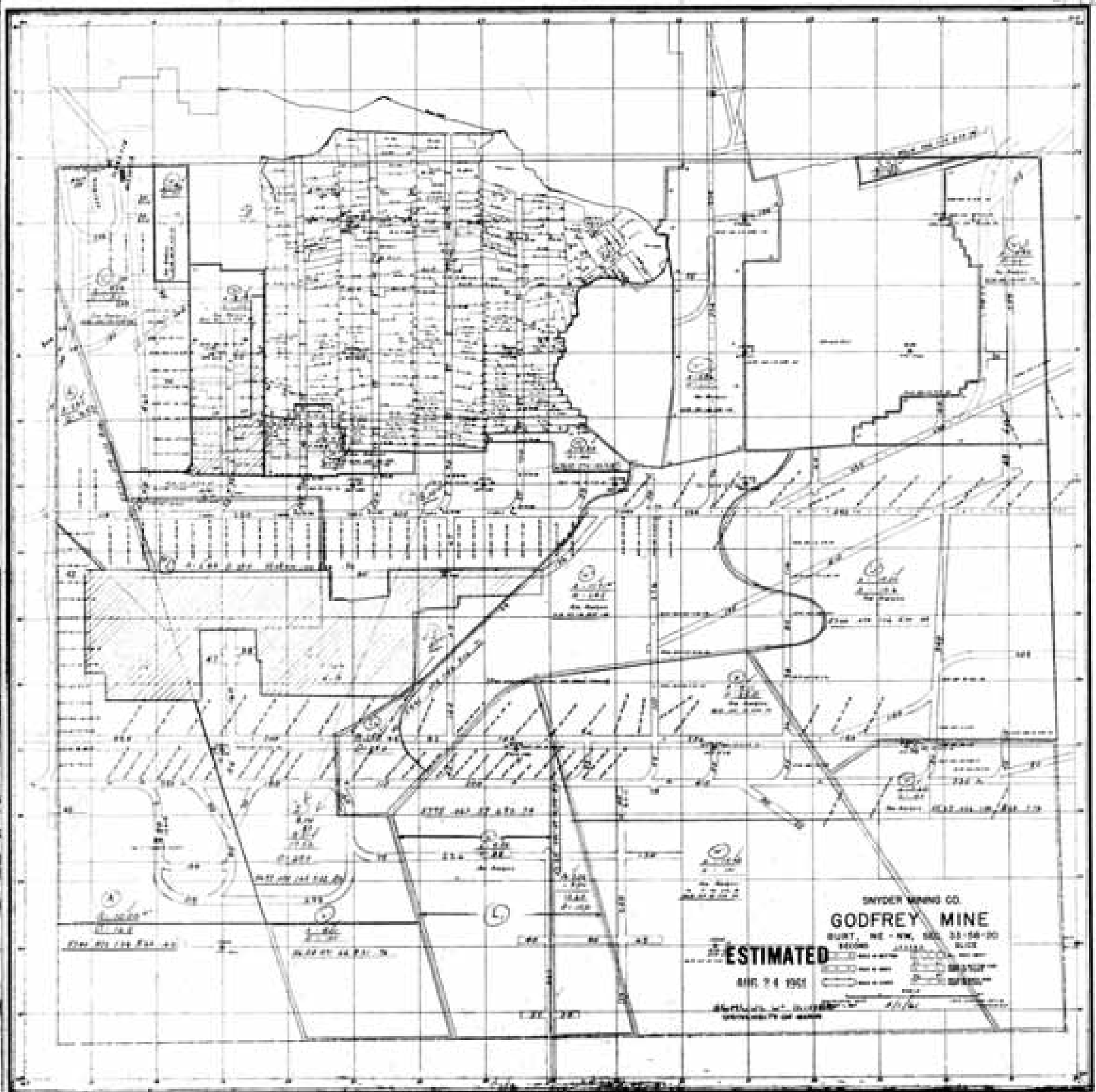

GODFREY MINE
BURT, SW-NE, SEC 33-58-20
FIRST SLICE

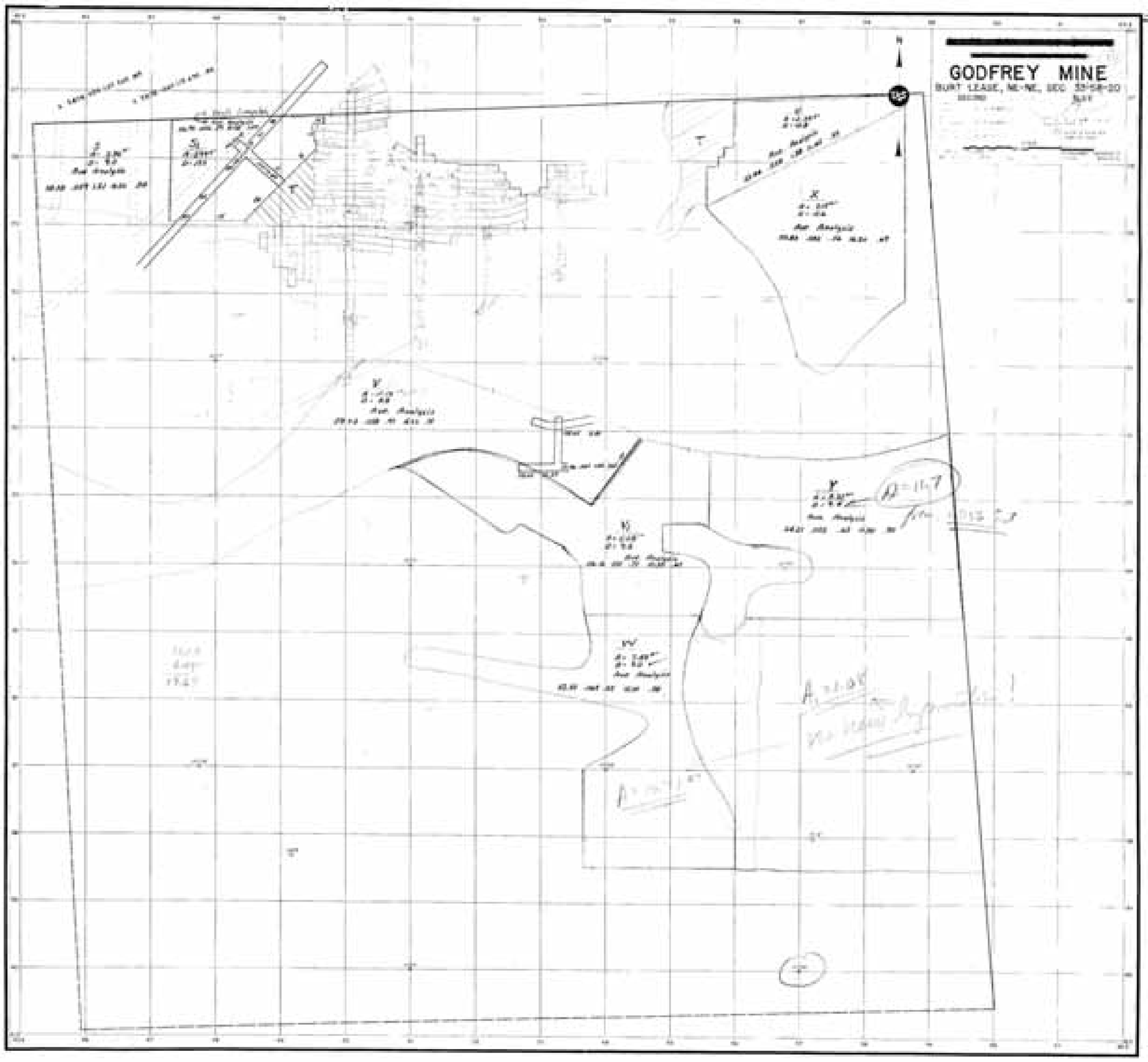

SNYDER MINING CO.
MAP OF THE
GODFREY MINE

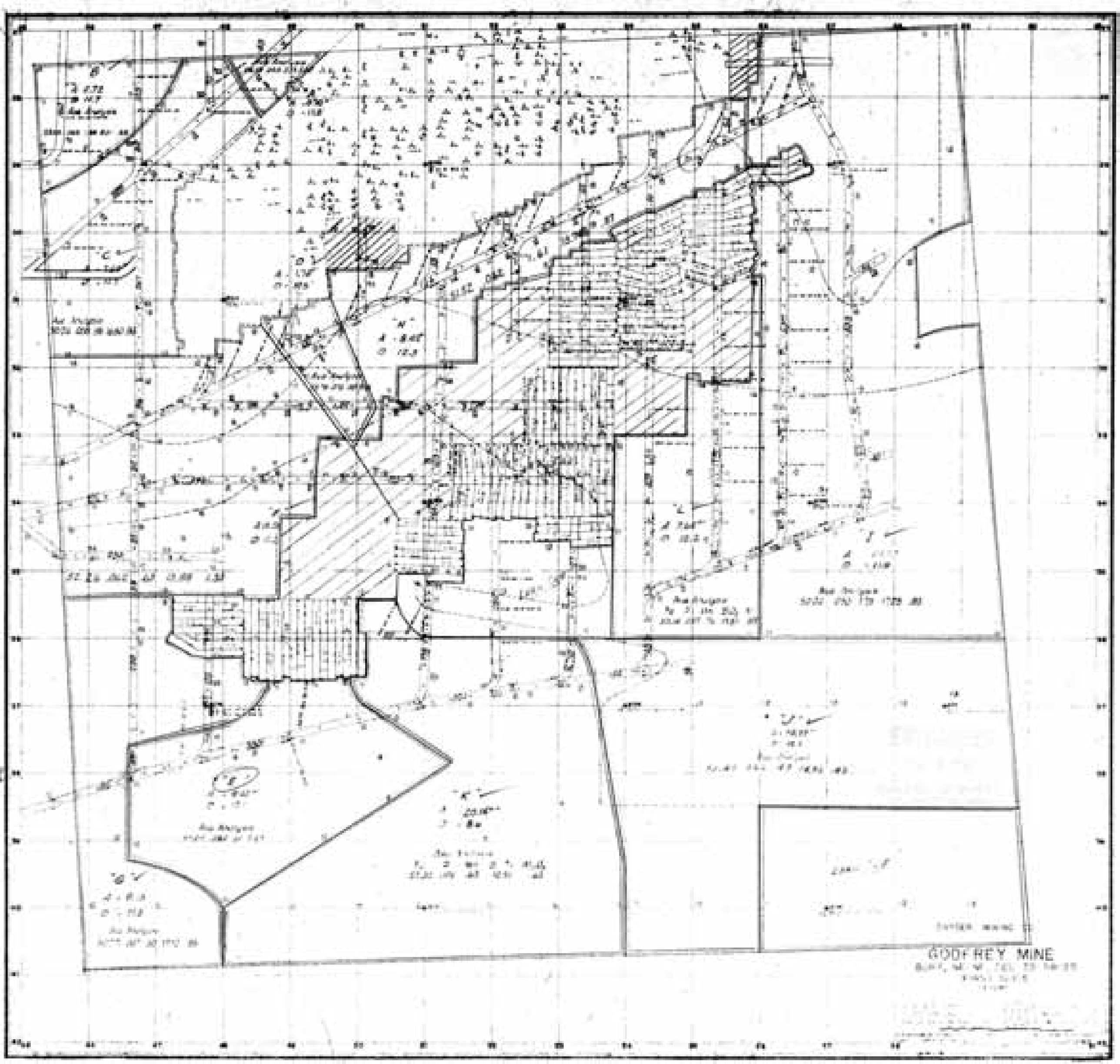

ESTIMATED
AUG 24 1951
SCHOOL OF MINES
UNIVERSITY OF MINN.
SNYDER MINING CO
GODFREY MINE

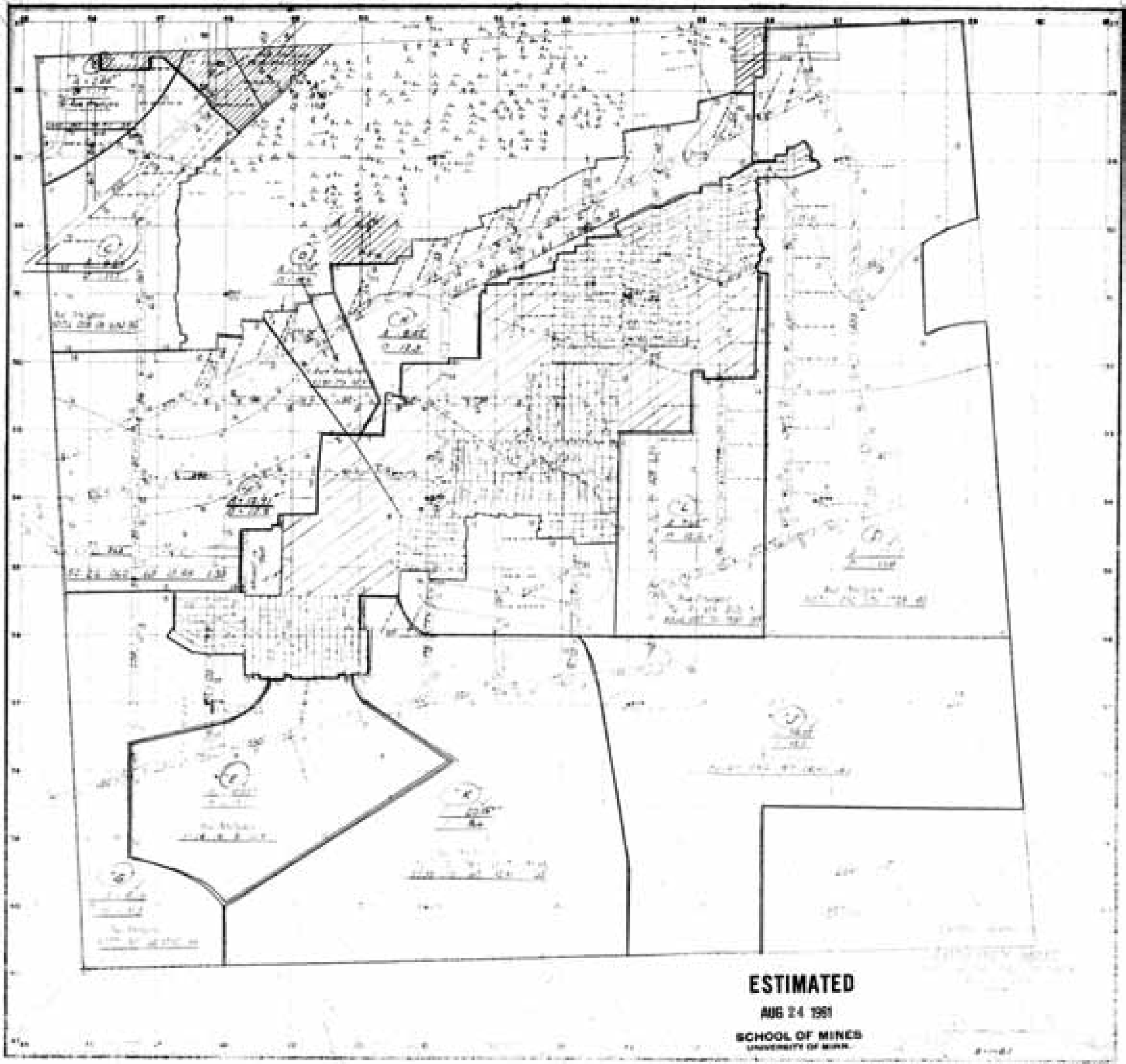

SNYDER MINING CO.
GODFREY MINE
MINED OUT AREA


ESTIMATED
AUG 24 1981
SCHOOL OF MINES
UNIVERSITY OF MINN.
SNYDER MINING CO.
GODFREY MINE
FIRST SLICE


SNYDER MINING CO.
GODFREY MINE
ESTIMATED


GODFREY MINE
BURT LEASE, NE-NE, SEC 33-58-20

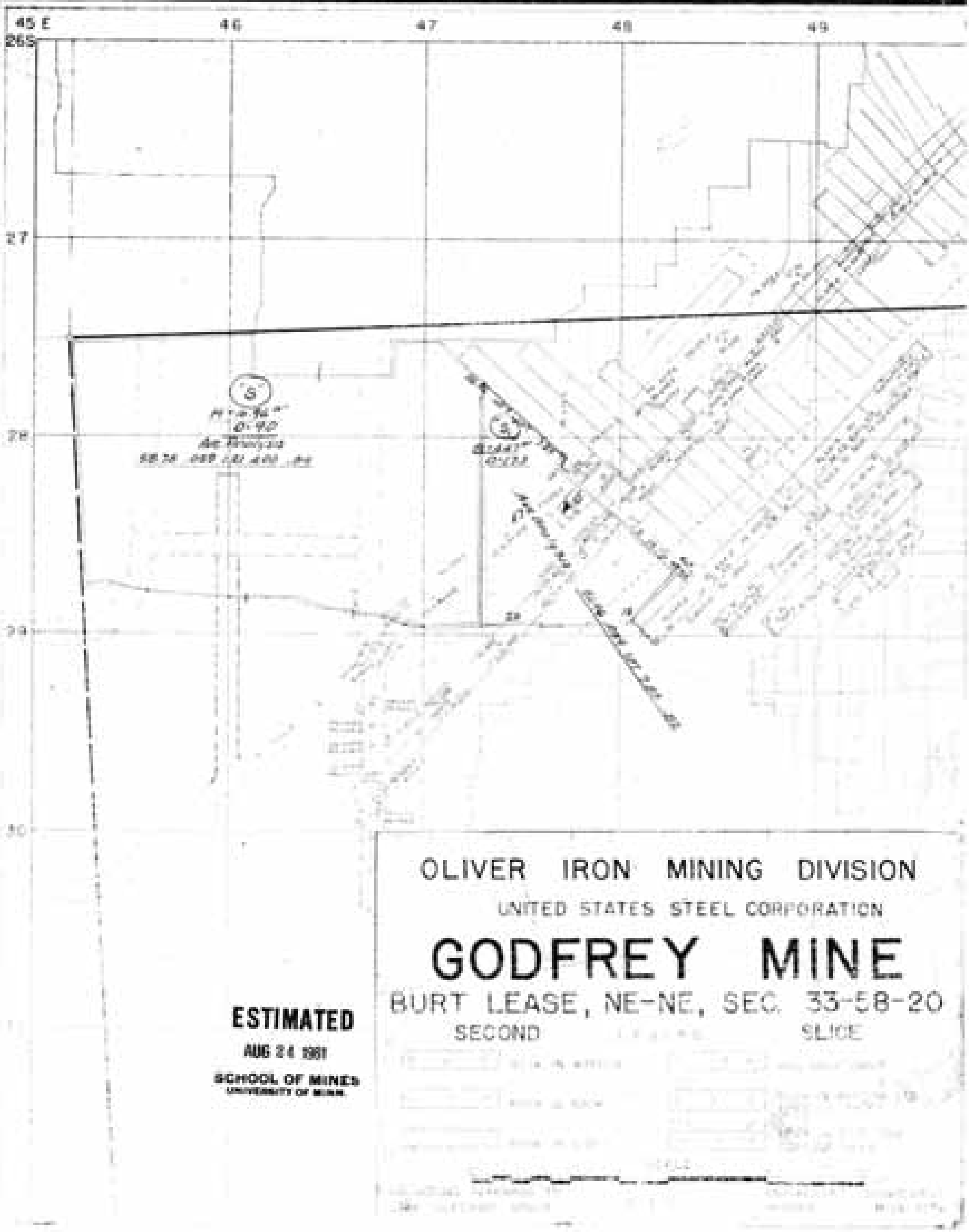

GODFREY MINE



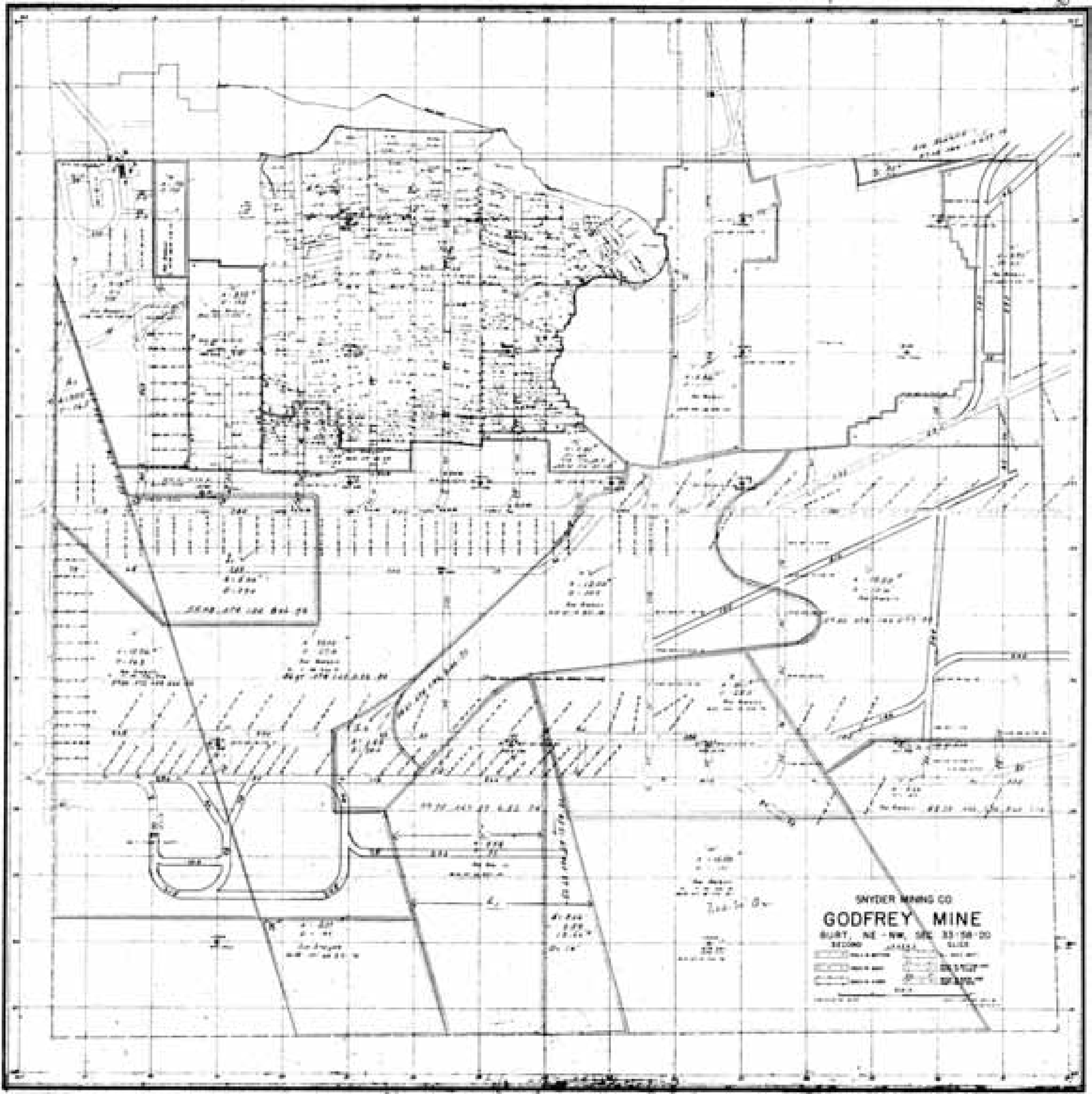
ESTIMATED

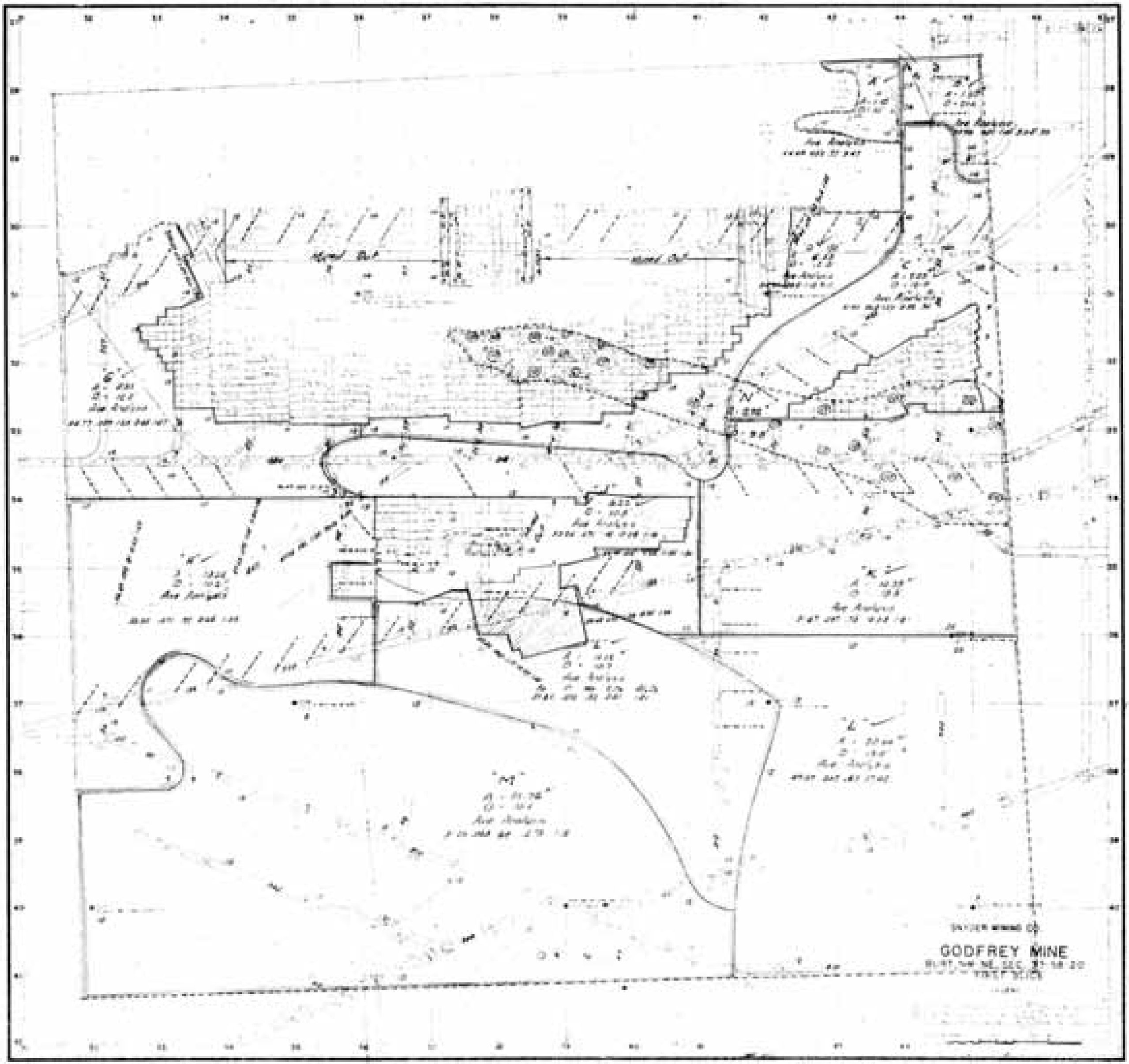
AUG 24 1961

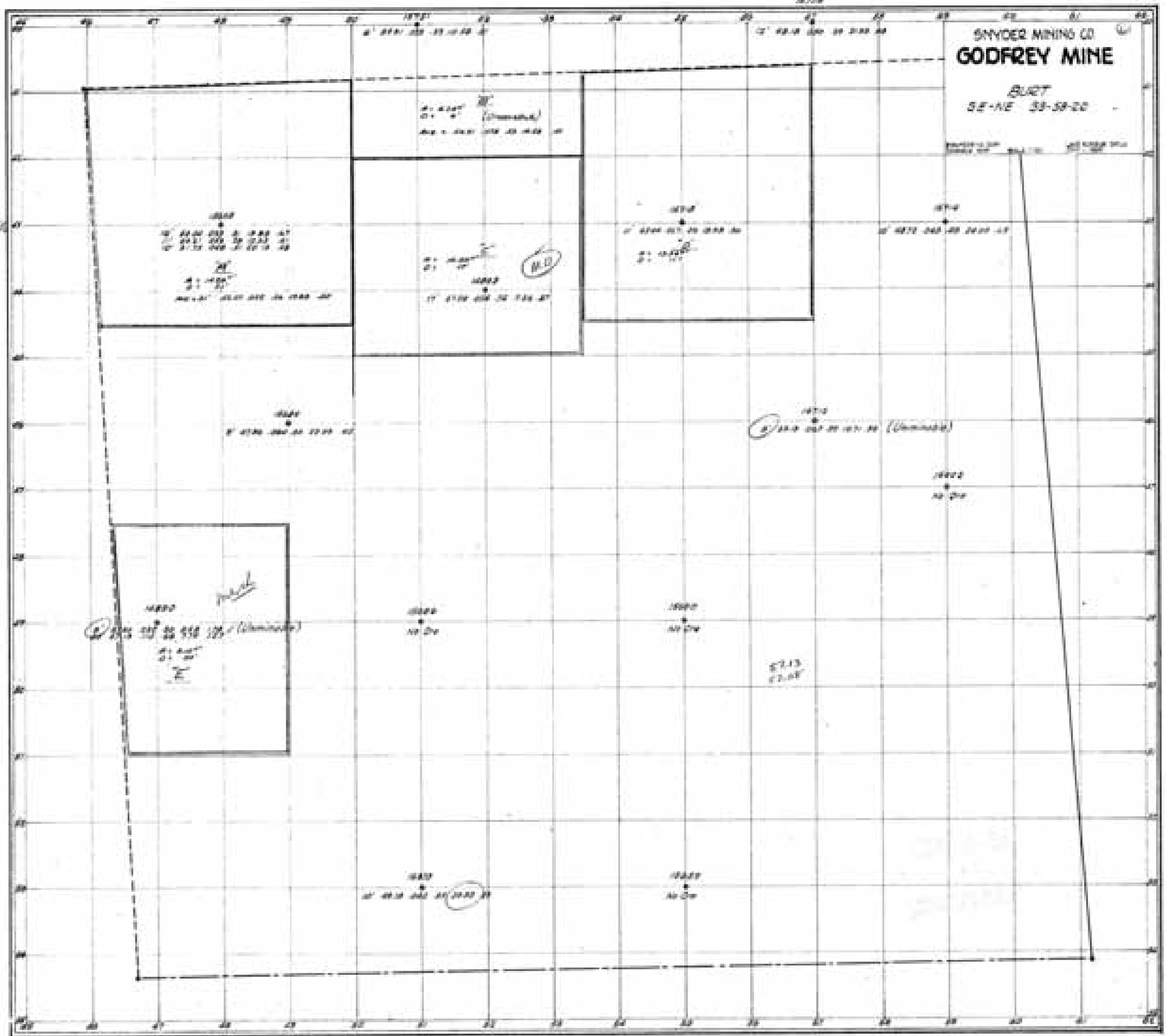
SCHOOL OF MINES
UNIVERSITY OF MINN.

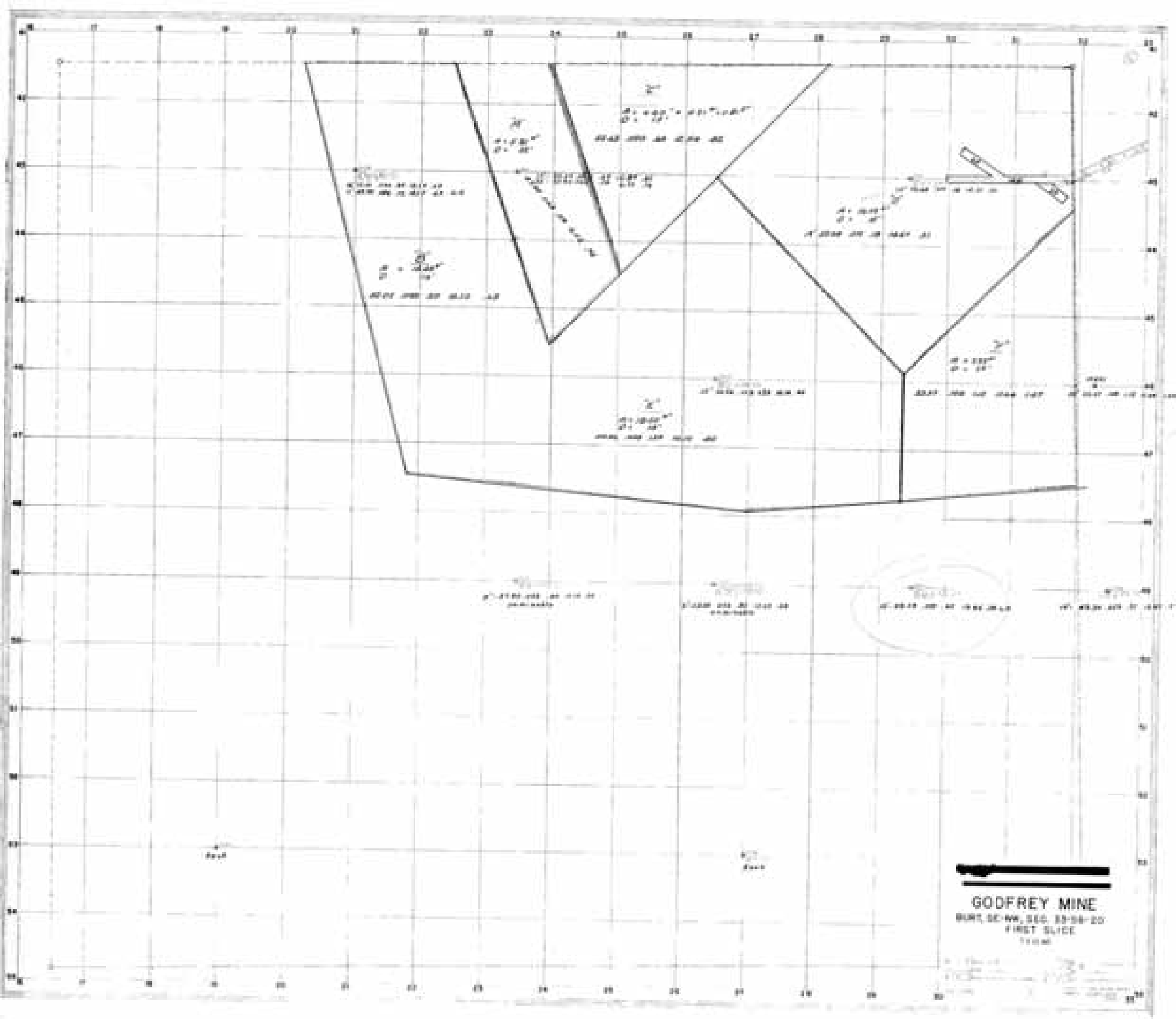


ESTIMATED
AUG 24 1981
SCHOOL OF MINES
UNIVERSITY OF MINN.


SNYDER MINING CO
GODFREY MINE


GODFREY MINE


SNYDER MINING CO
GODFREY MINE
BURT
SE-NE 33-38-20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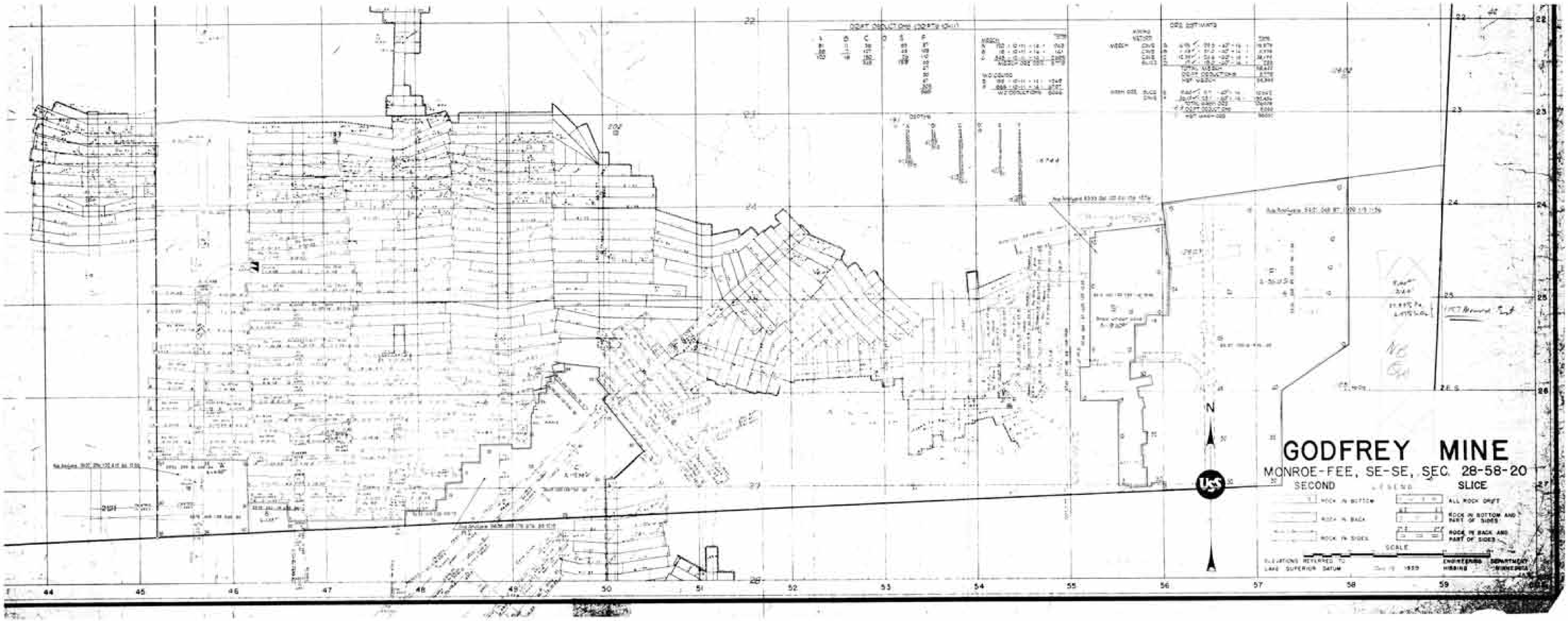
GODFREY MINE
FIRST SLICE


GODFREY MINE
MONROE-FEE, SE-SE, SEC. 28-58-20
SECOND SLICE
LEGEND
ROCK IN BOTTOM
ROCK IN BACK
ROCK IN SIDES
ALL ROCK DRIFT
ROCK IN BOTTOM AND PART OF SIDES
ROCK IN BACK AND PART OF SIDES
SCALE
ELEVATIONS REFERRED TO LAKE SUPERIOR DATUM
ENGINEERING DEPARTMENT
HIBBING MINNESOTA
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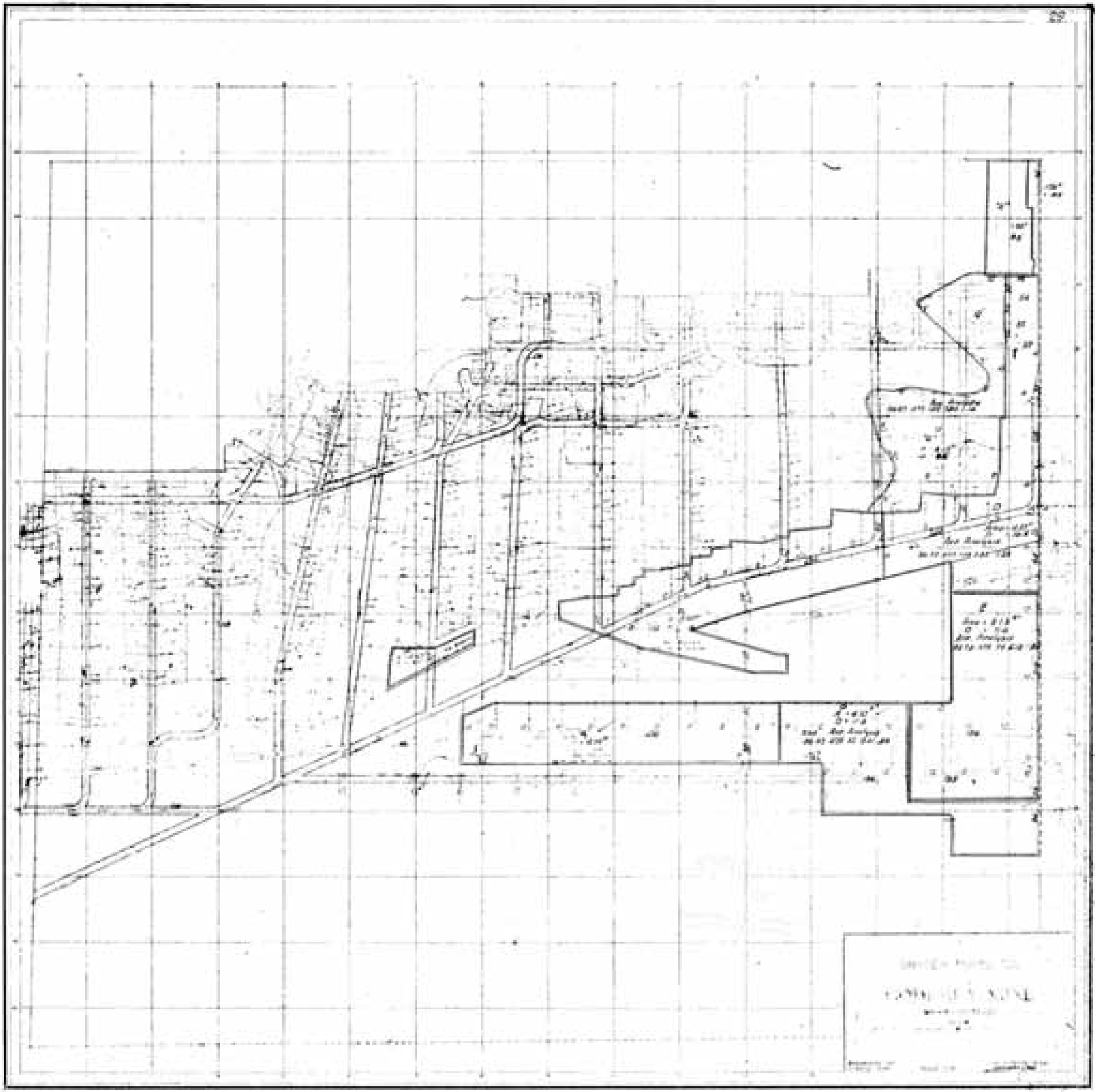
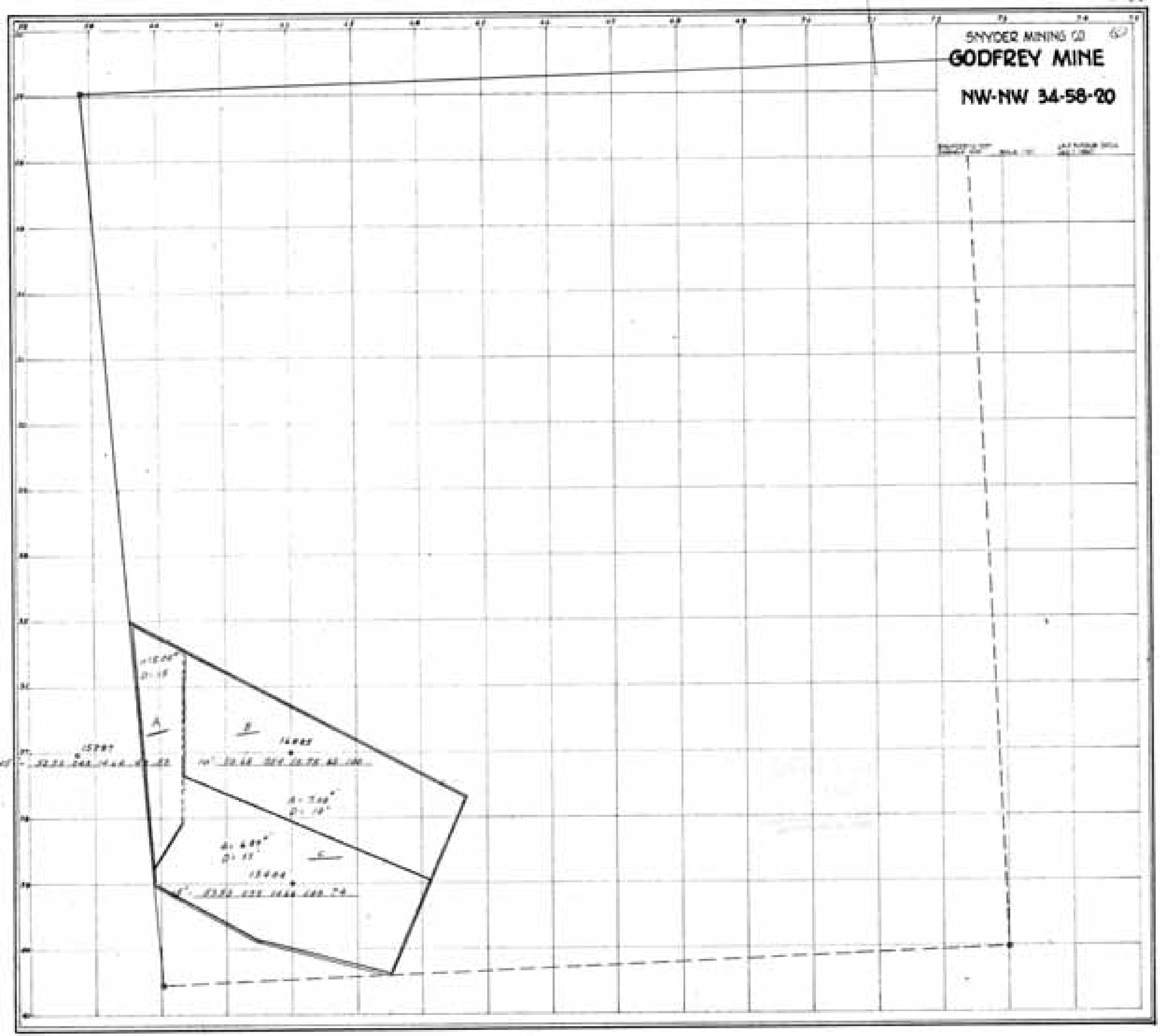
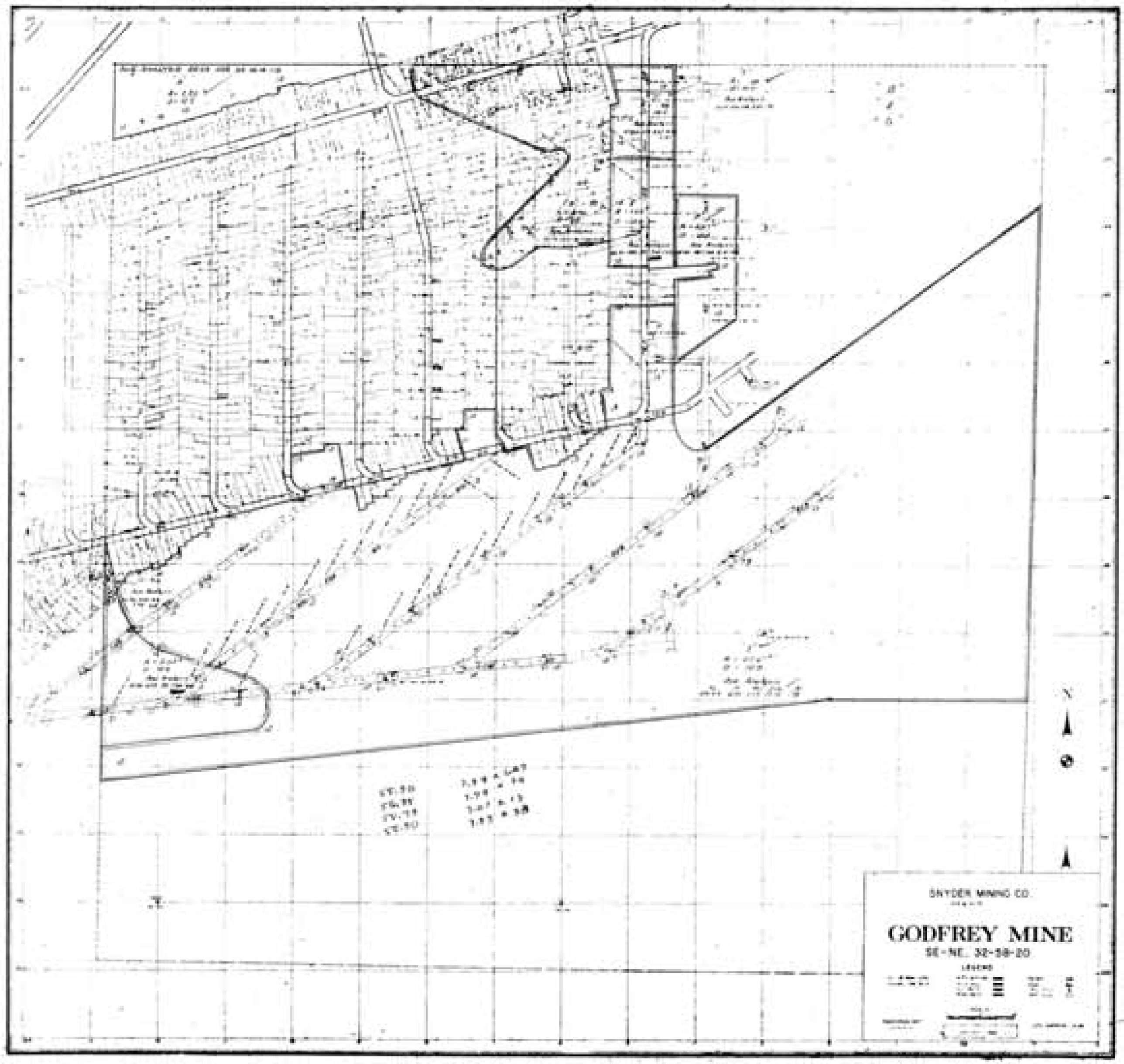


SNYDER MINING CO

GODFREY MINE

NW-NW 34-58-20




SNYDER MINING CO.
GODFREY MINE
SE-NE. 32-58-20
LEGEND

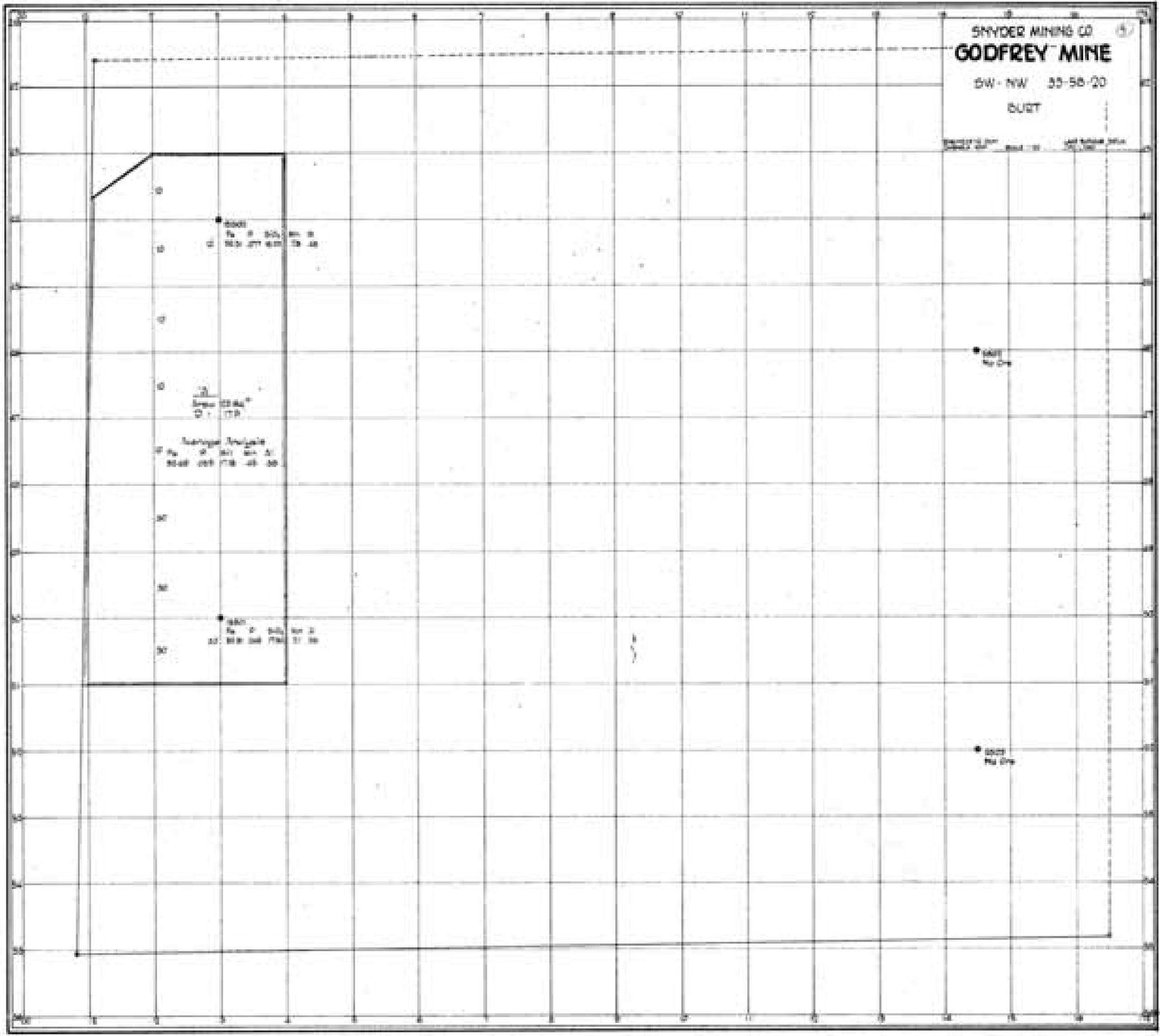
GODFREY MINE
SE-NW. 32-58-20.
LEGEND

SNYDER MINING CO (5)

GODFREY MINE

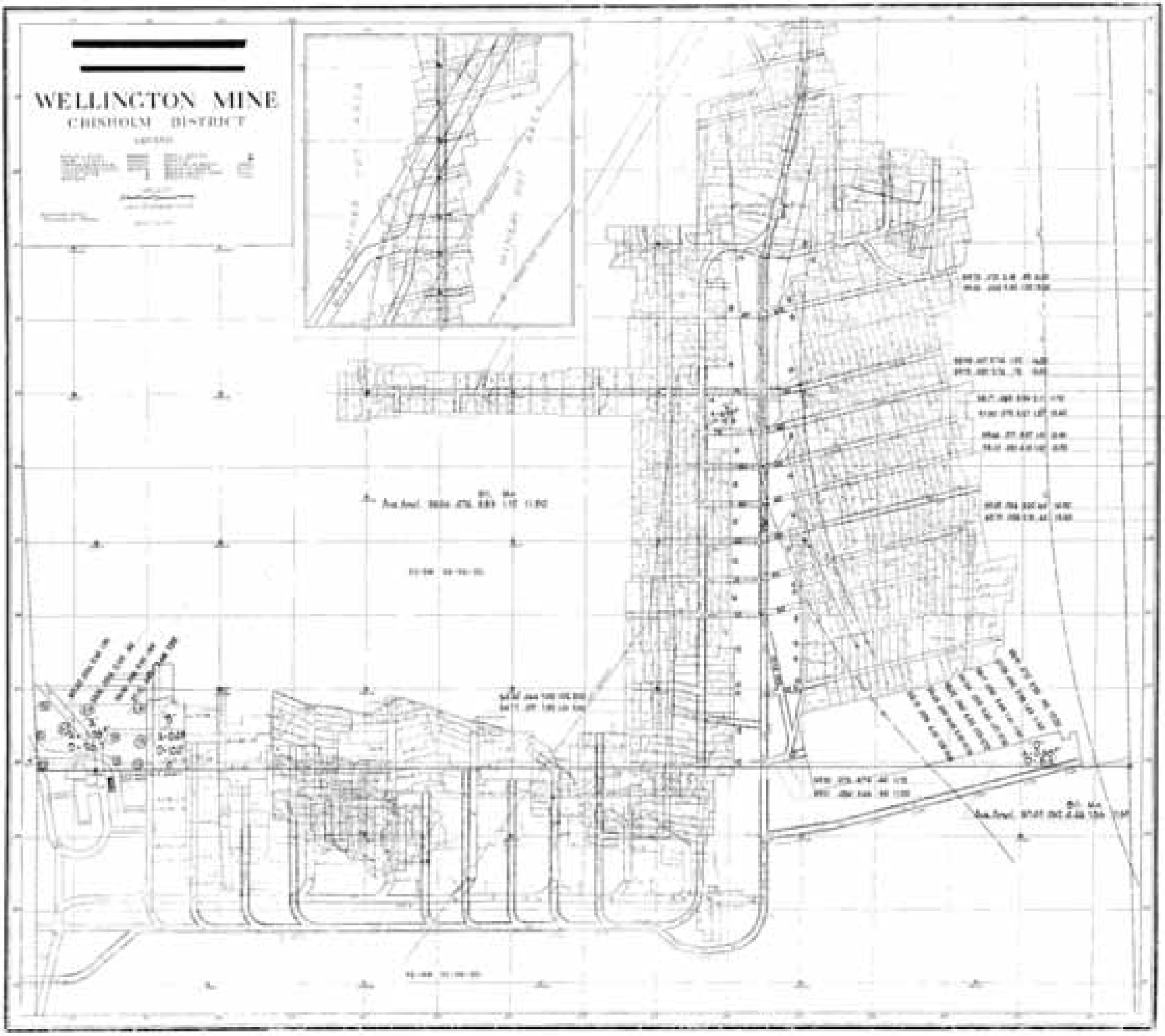
SW - NW 33-58-20

BURT

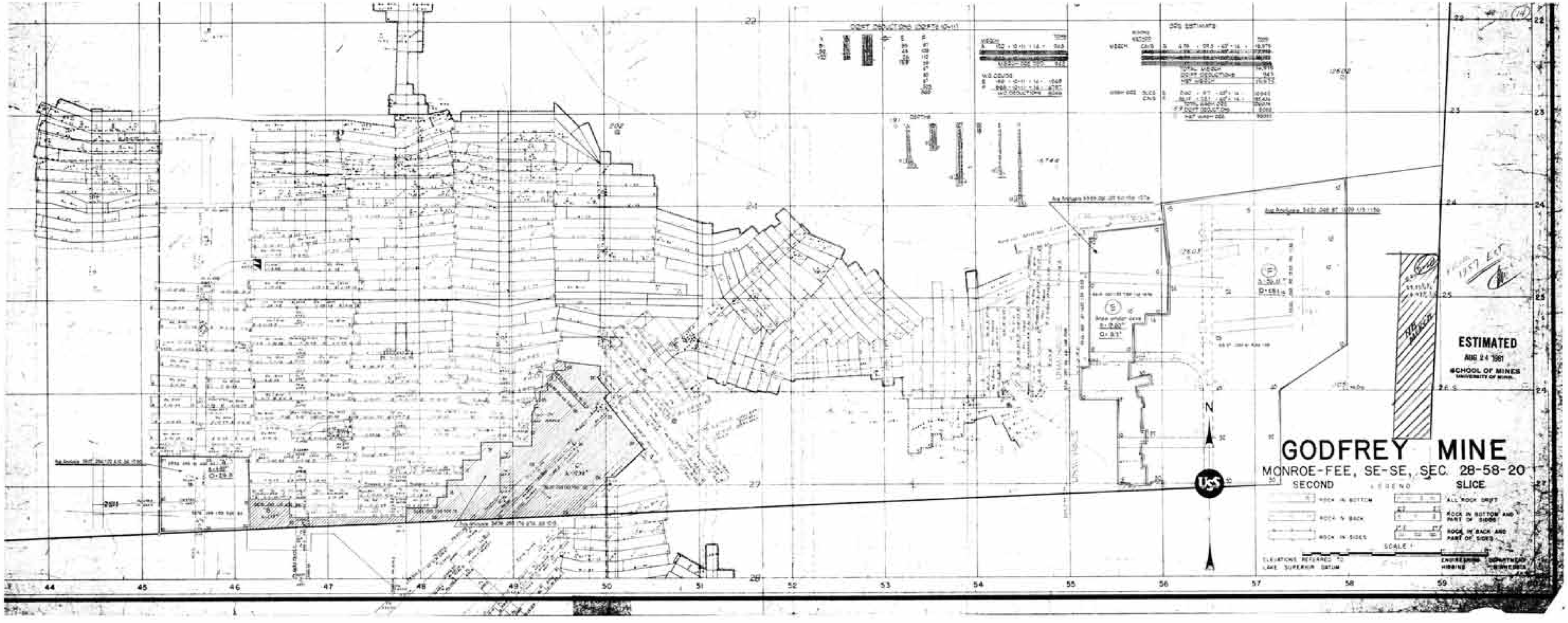


WELLINGTON MINE

CHINOOK DISTRICT



AREA
NW-NE 32-58-20
ESTIMATE
Stock Pile
Ground
Area
Air Analysis


GODFREY MINE
MONROE-FEE, SE-SE, SEC. 28-58-20
SECOND SLICE
ESTIMATED
AUG 24 1981
SCHOOL OF MINES
UNIVERSITY OF MINN.
LEGEND
ROCK IN BOTTOM
ROCK IN BACK
ROCK IN SIDES
ALL ROCK DRIFT
ROCK IN BOTTOM AND PART OF SIDES
ROCK IN BACK AND PART OF SIDES
SCALE 1"
ELEVATIONS REFERRED TO LAKE SUPERIOR DATUM
ENGINEERING DEPARTMENT
MINING
N
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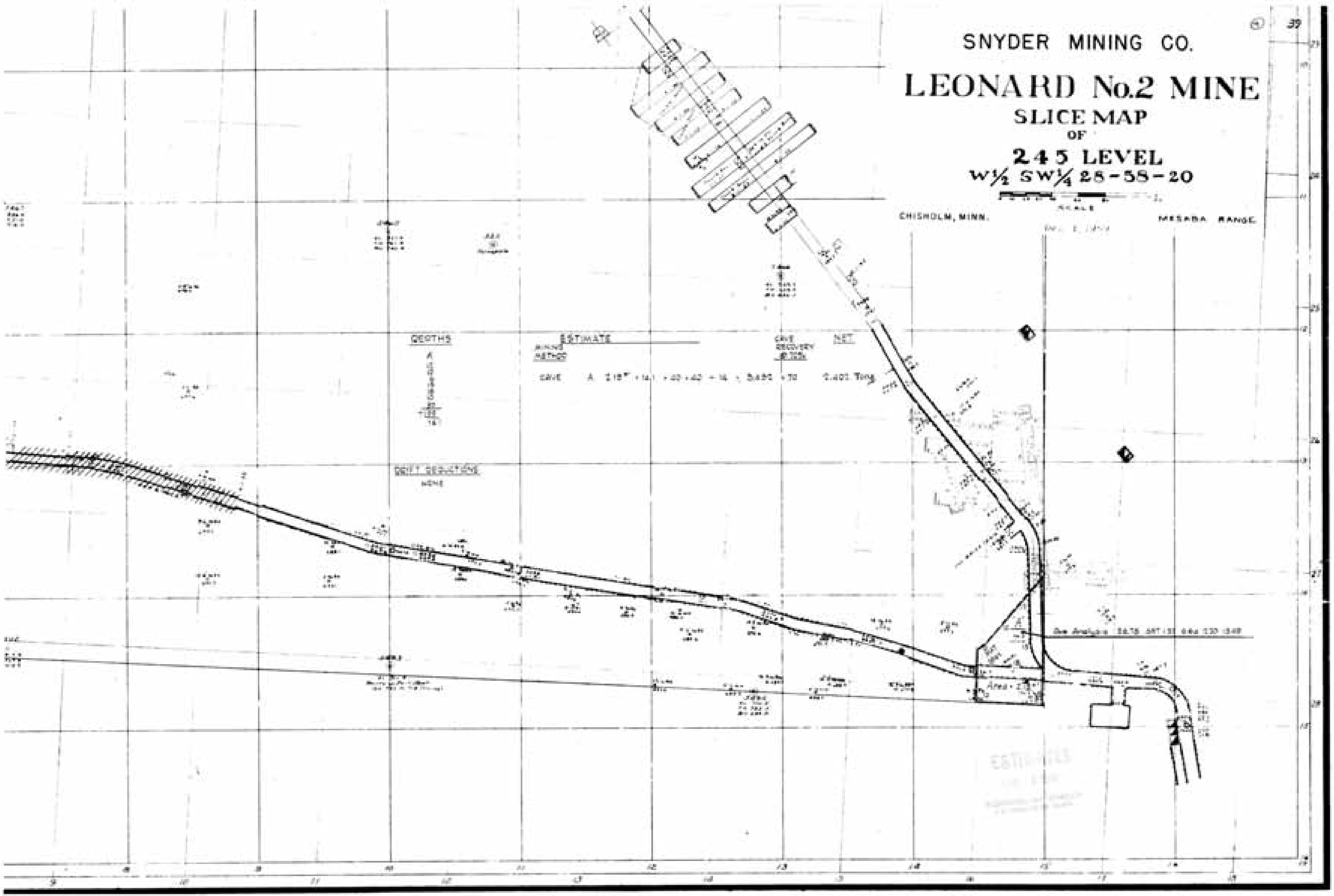
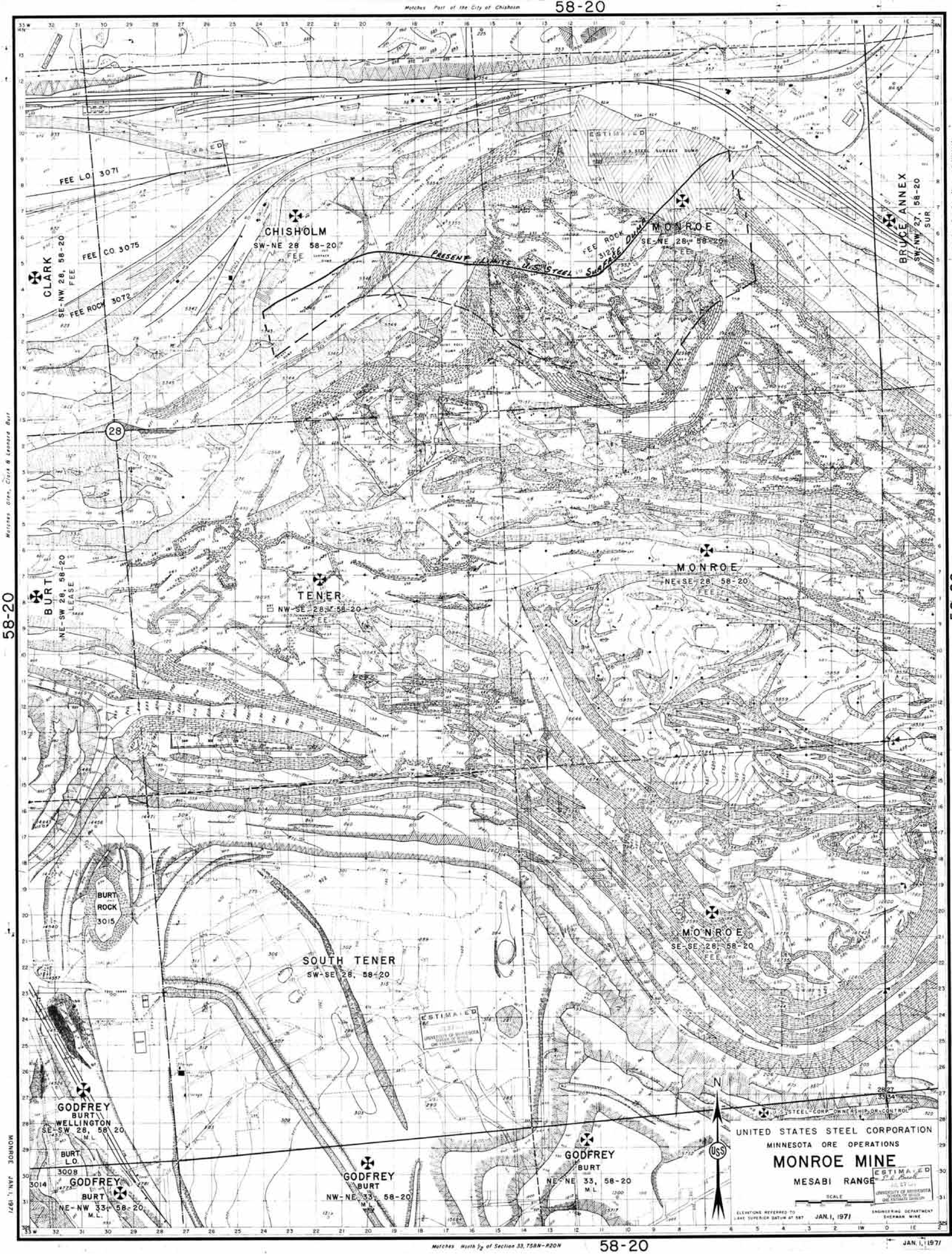
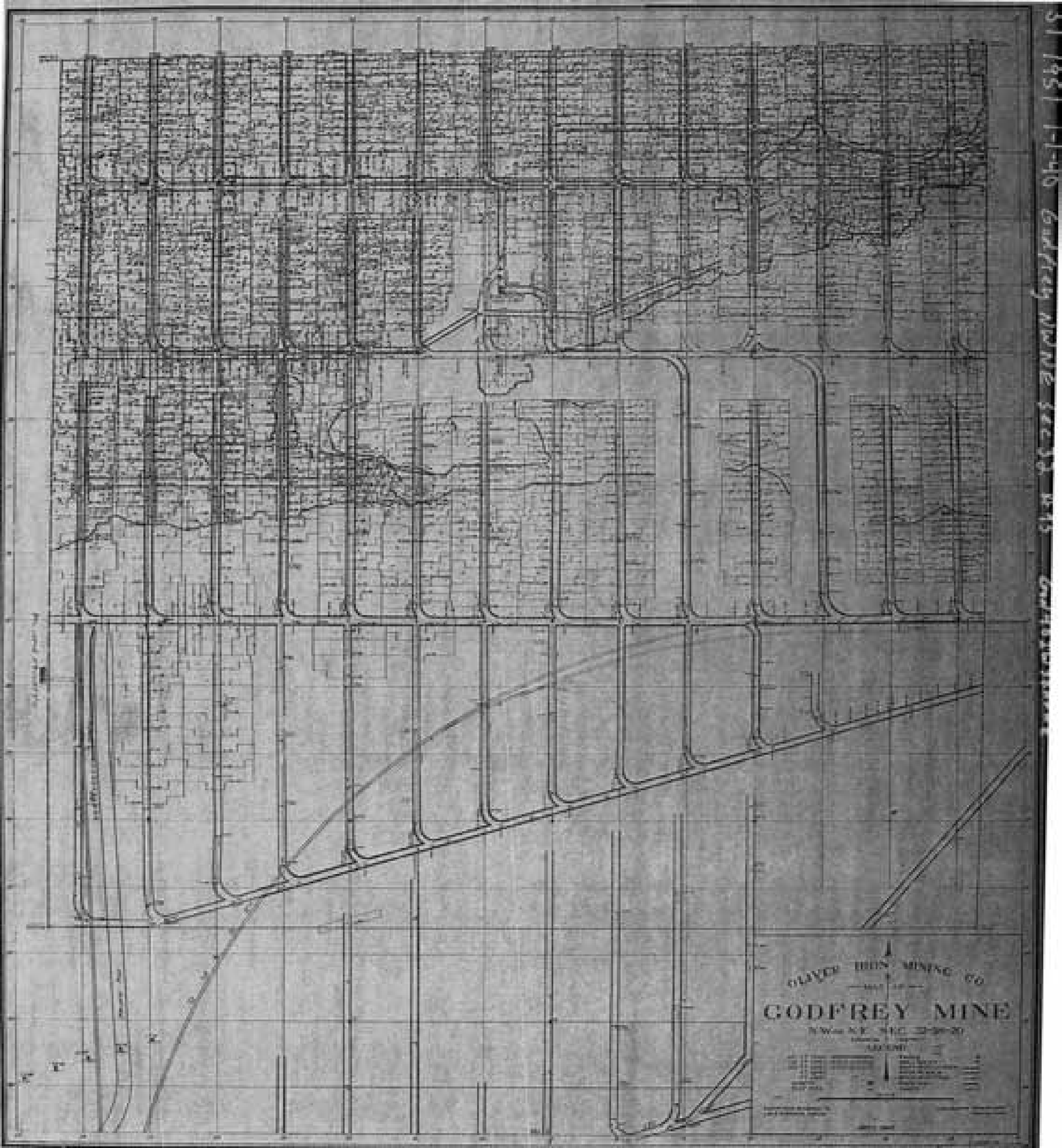
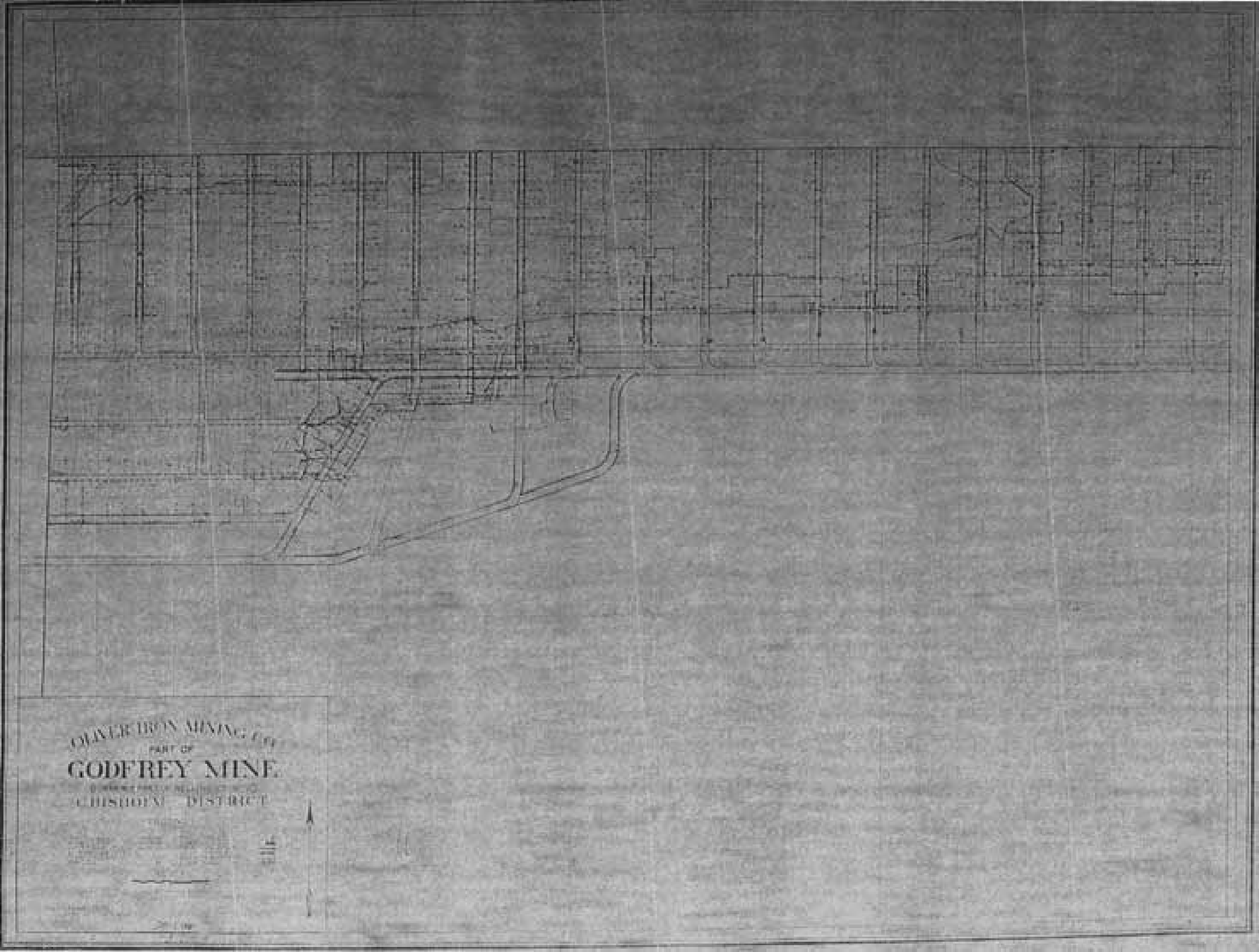
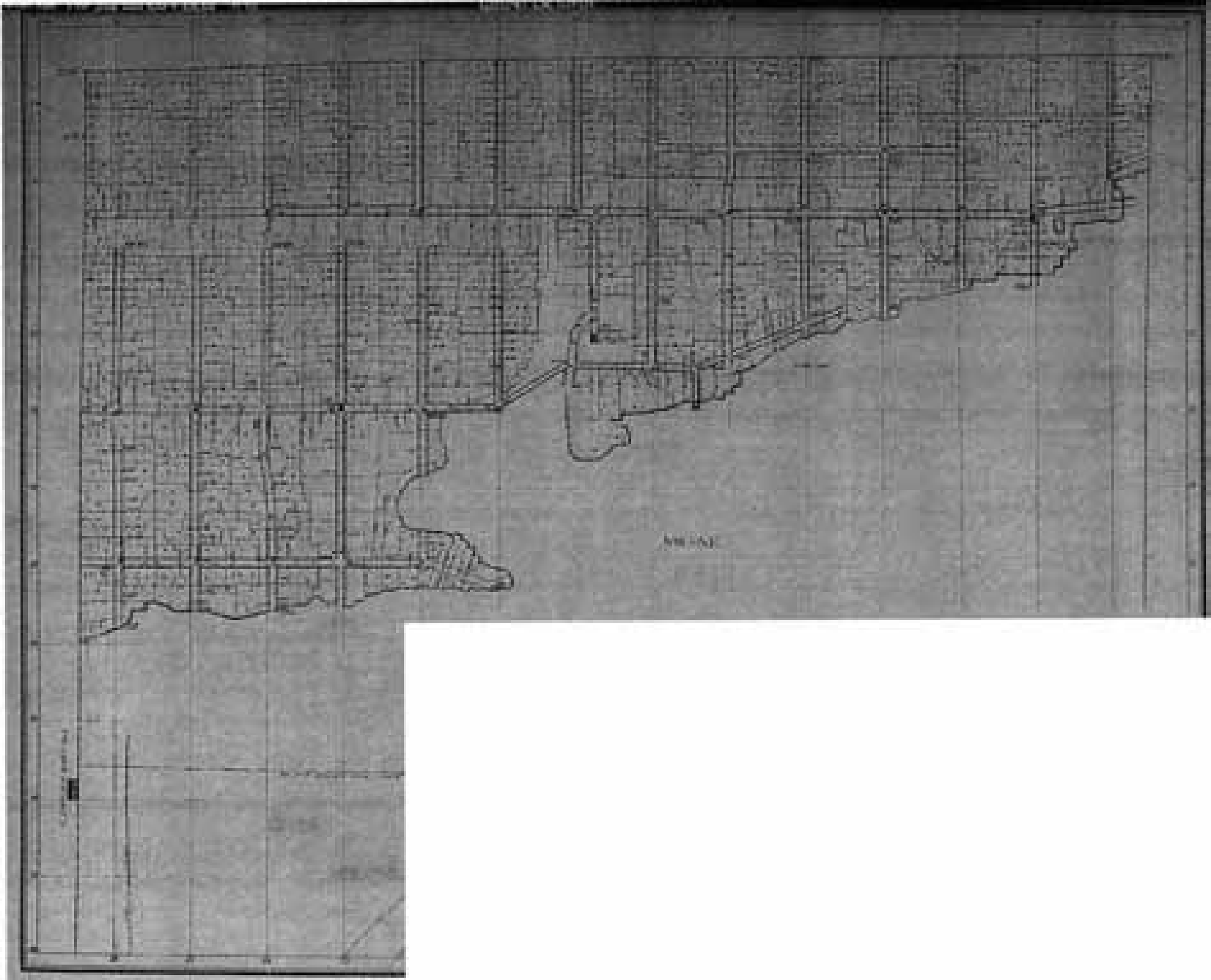
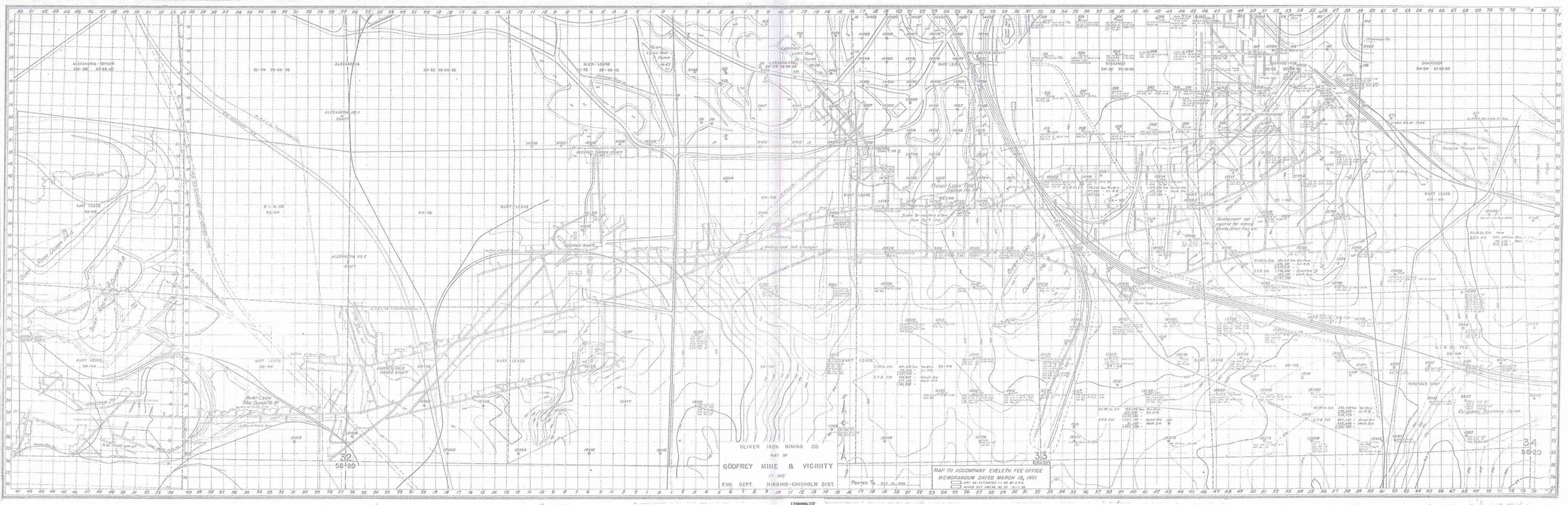

SNYDER MINING CO.
LEONARD No.2 MINE
SLICE MAP
OF
245 LEVEL
W½ SW¼ 28-58-20
CHISHOLM, MINN.
MESABA RANGE
DEPTHS
ESTIMATE
NET
DRIFT DEVIATIONS
NONE


CLARK
SE-NW 28, 58-20
FEE
FEE LO. 3071
FEE CO 3075
FEE ROCK 3072
CHISHOLM
SW-NE 28 58-20
FEE
PRESENT LIMITS U.S. STEEL SURFACE DUMP
FEE ROCK 3127
MONROE
SE-NE 28, 58-20
FEE
BRUCE ANNEX
SW-NW 27, 58-20
SUR
ESTIMATED
U.S. STEEL SURFACE DUMP
BURT
NE-SW 28, 58-20
LEASE
TENER
NW-SE 28, 58-20
FEE
MONROE
NE-SE 28, 58-20
FEE
BURT ROCK
3015
SOUTH TENER
SW-SE 28, 58-20
ESTIMATED
MONROE
SE-SE 28, 58-20
FEE
GODFREY
BURT
WELLINGTON
SE-SW 28, 58 20
M.L.
BURT
L.O.
3008
3014
GODFREY
BURT
NE-NW 33, 58-20
M.L.
GODFREY
BURT
NW-NE 33, 58-20
M.L.
GODFREY
BURT
NE-NE 33, 58-20
M.L.
U.S. STEEL CORP. OWNERSHIP OR CONTROL
N
USS
UNITED STATES STEEL CORPORATION
MINNESOTA ORE OPERATIONS
MONROE MINE
MESABI RANGE
SCALE
ELEVATIONS REFERRED TO LAKE SUPERIOR DATUM AT 587
JAN. 1, 1971
ENGINEERING DEPARTMENT
SHERMAN MINE
ESTIMATED
UNIVERSITY OF MINNESOTA
MONROE JAN. 1, 1971
Matches Glen, Clark & Leonard Mine
Matches Twin City Mine and Vicinity
Matches Dunwoody Mine
Matches Part of Section 34, T58N-R20W
Matches North ½ of Section 33, T58N-R20W
58-20
JAN. 1, 1971

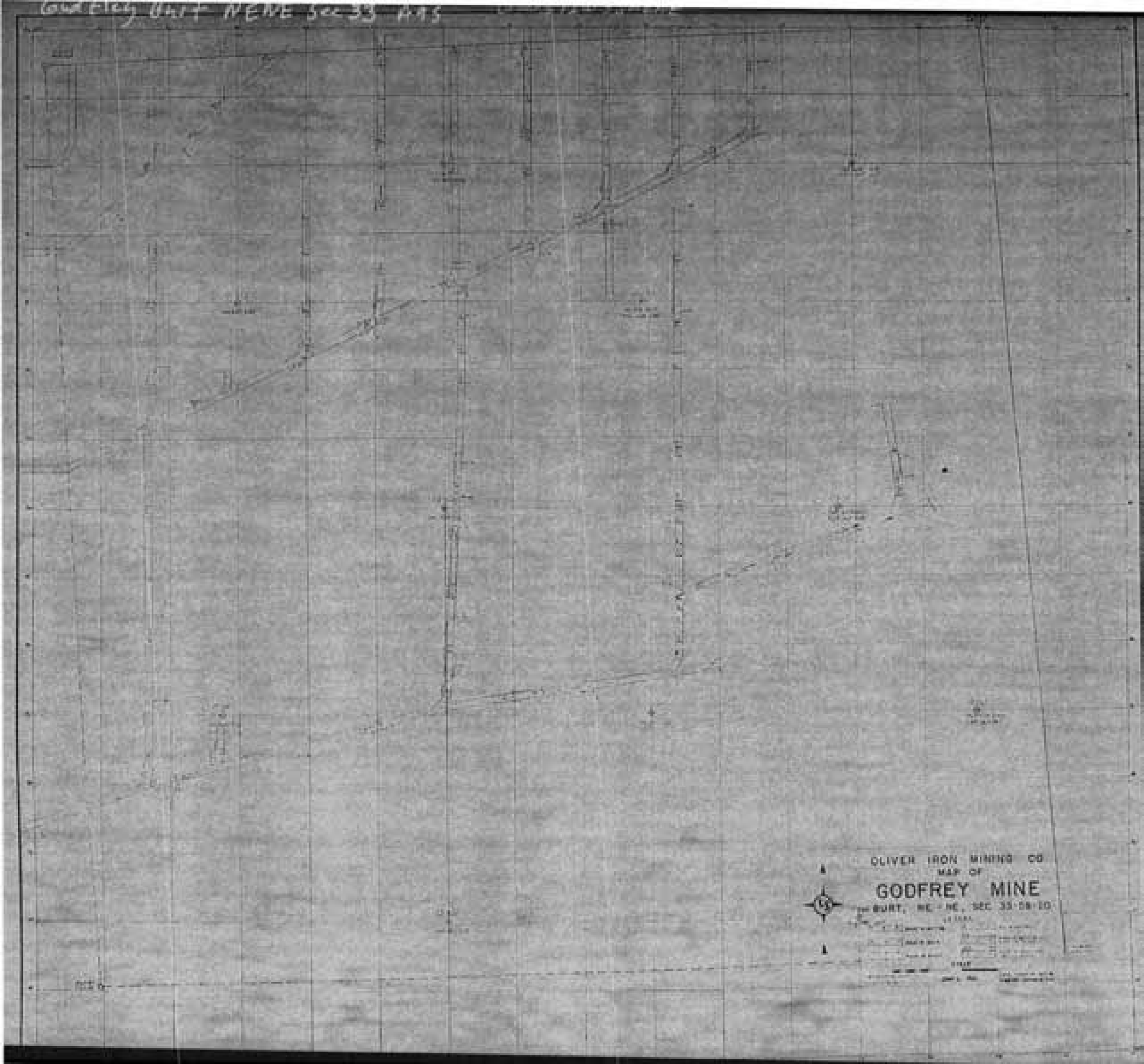

GLACIER IRON MINING CO
GODFREY MINE
NW cor NE SEC 22-39-20

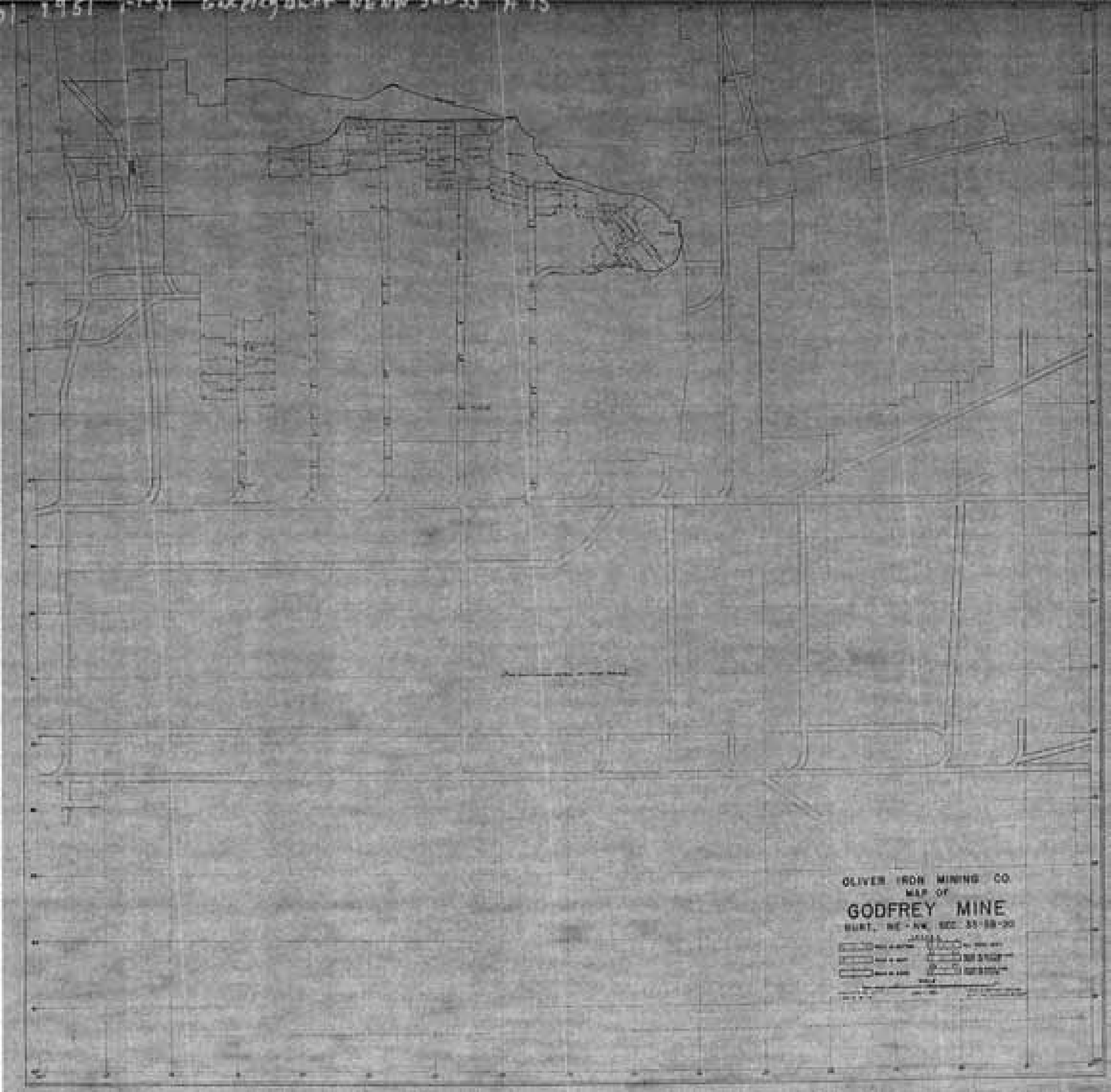

GODFREY MINE.
CHISHOLM DISTRICT

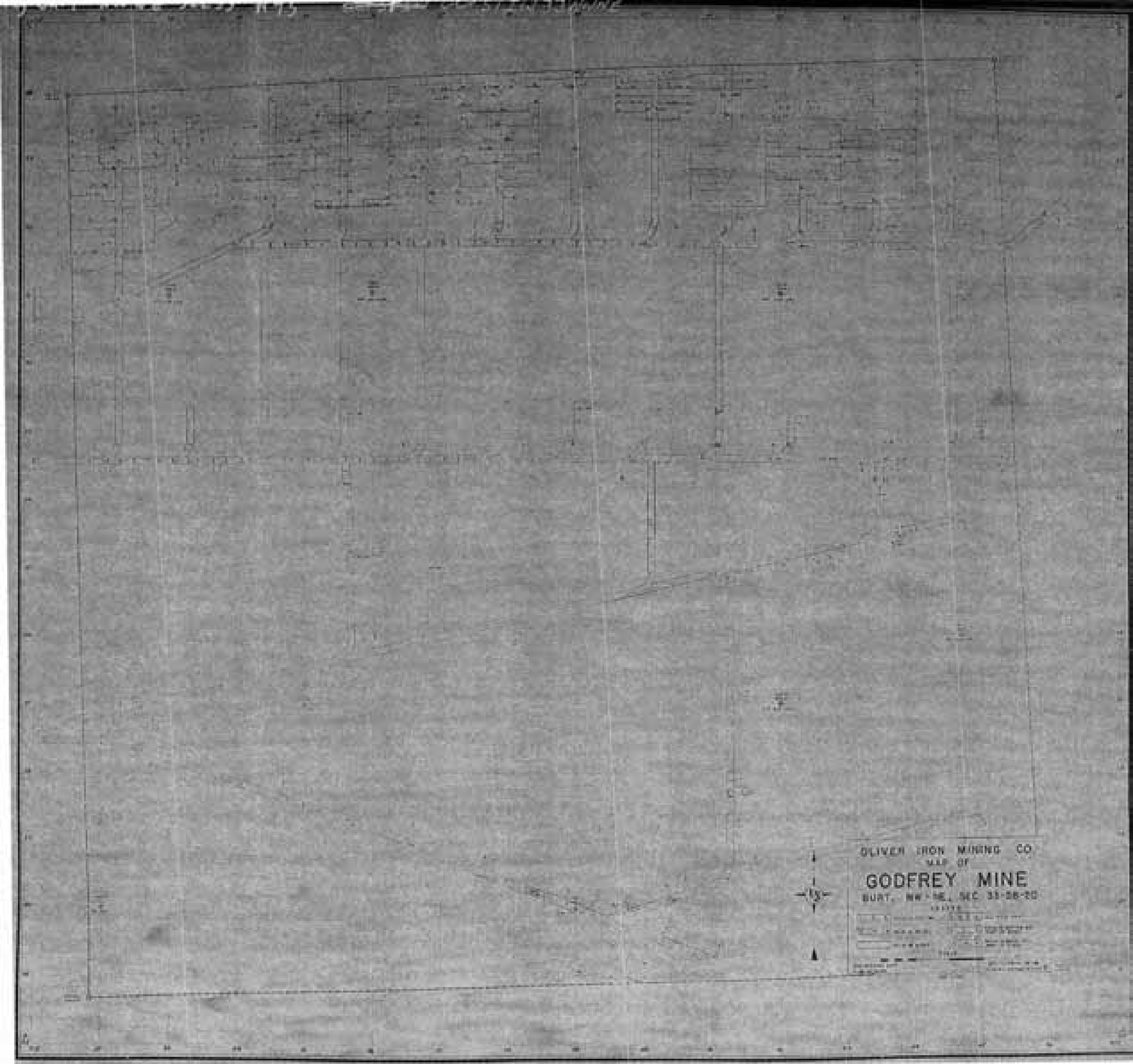

MAINE

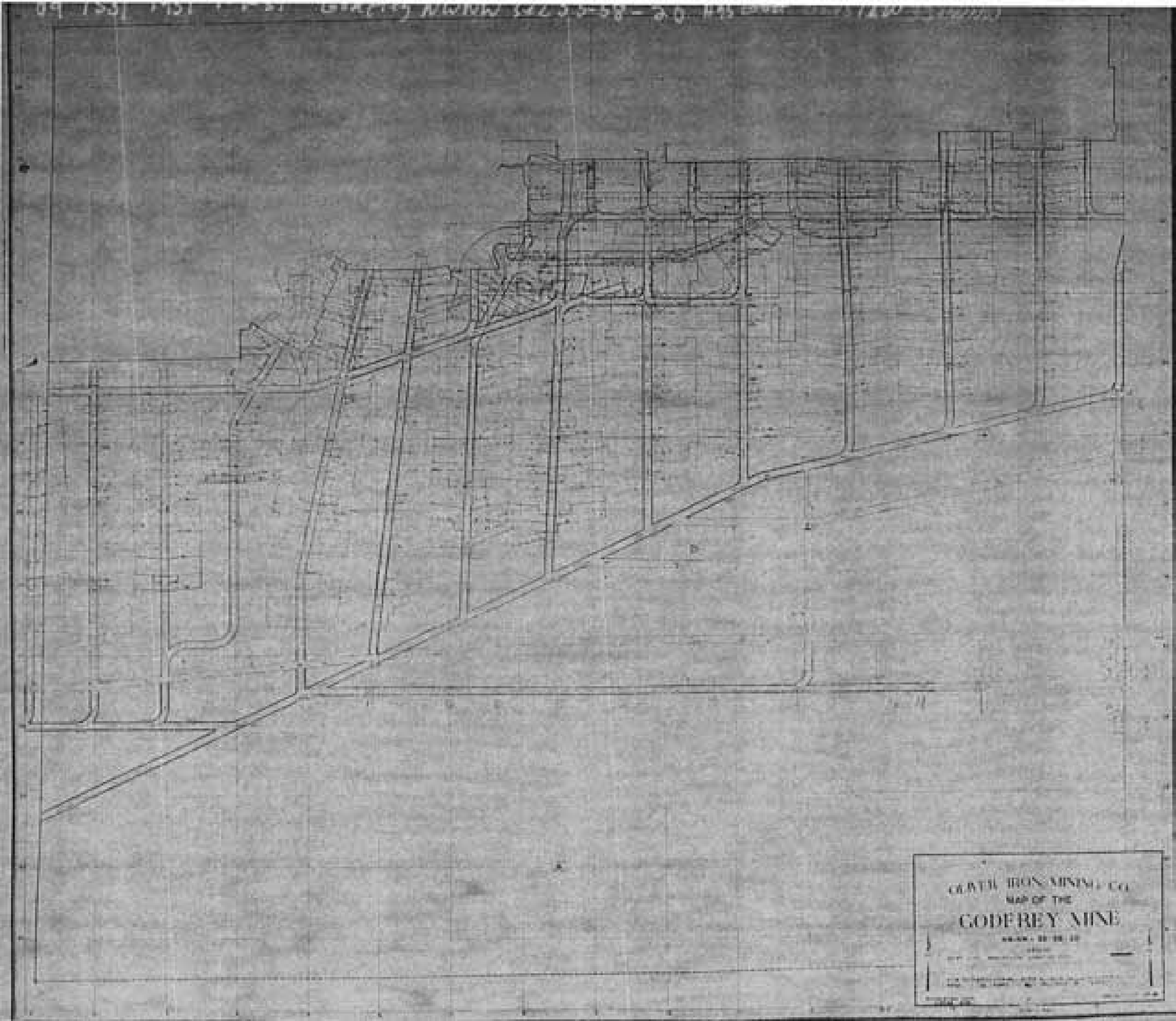

OLIVER IRON MINING CO.
MAP OF
GODFREY MINE & VICINITY
1" = 200'
ENG. DEPT. HIBBING-CHISHOLM DIST.
POSTED TO
MAP TO ACCOMPANY EVELETH FEE OFFICE
MEMORANDUM DATED MARCH 15, 1951
ALEXANDRIA - DUNDAS
ALEXANDRIA
GLEN - LEASE
BURT LEASE
O. I. M. CO.
GODFREY SHAFT
ALEXANDRIA NO. 1 SHAFT
ALEXANDRIA NO. 2 SHAFT
GODFREY NO. 5 TIMBER SHAFT
Underground Belt Conveyor
Burt Lean Ore Dump No. 1
Burt Lean Ore Dump No. 2
Burt Lean Ore Dump No. 4
Burt Lean Ore Dump No. 6
Burt Lean Ore Dump No. 8
Burt Lean Ore Dump No. 9
Burt Lean Ore Dump No. 10
Burt Lean Ore Dump No. 11
Burt Rock Dump No. 4
Burt Rock Dump No. 8
Burt Rock Dump No. 9
Burt Lean Ore Dump No. 1
Burt Lean Ore Dump No. 2
Burt Lean Ore Dump No. 3
Burt Lean Ore Dump No. 4
Burt Lean Ore Dump No. 5
Burt Lean Ore Dump No. 6
Burt Lean Ore Dump No.

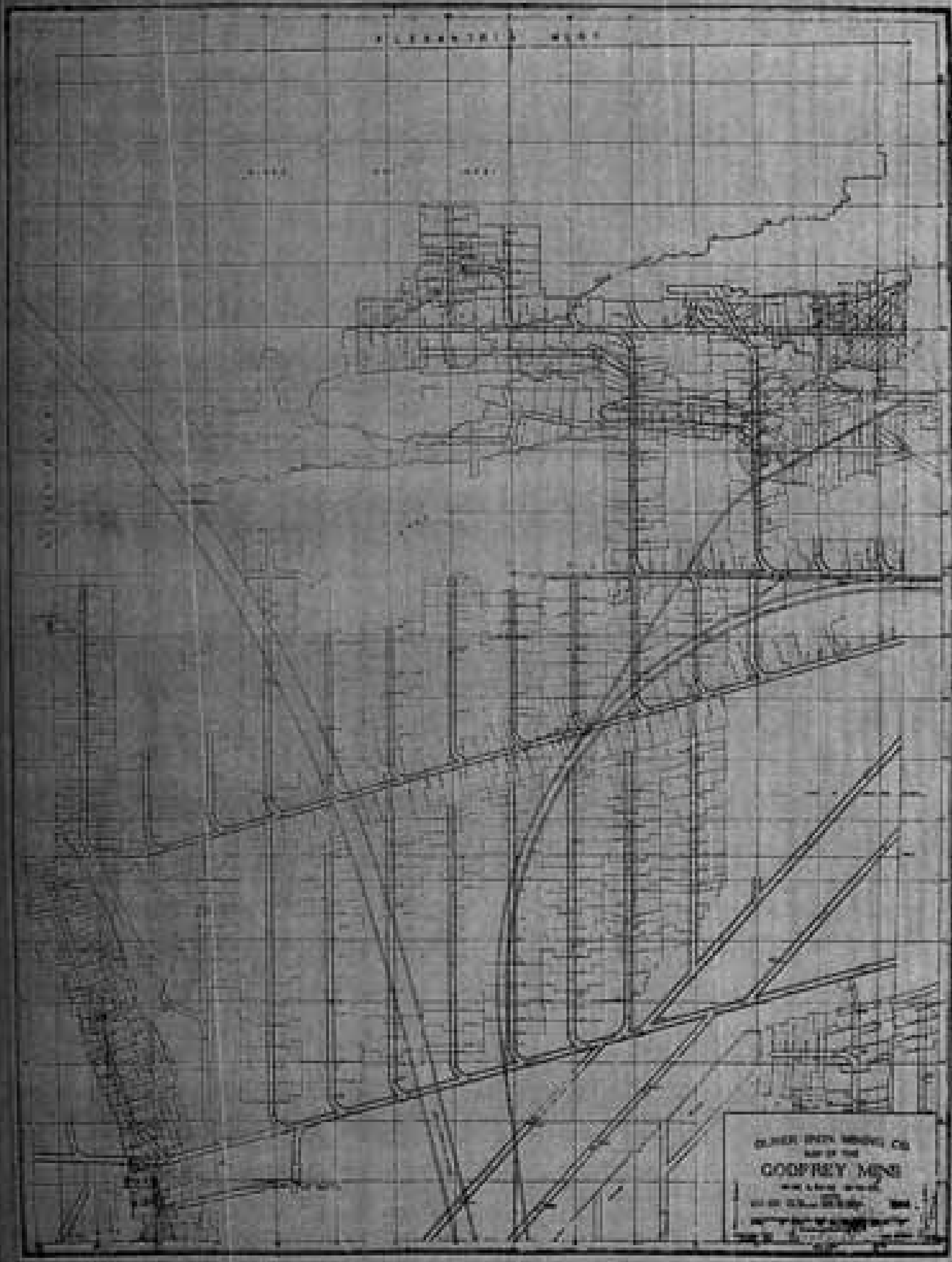
Godfrey Unit NENE Sec 33 T43



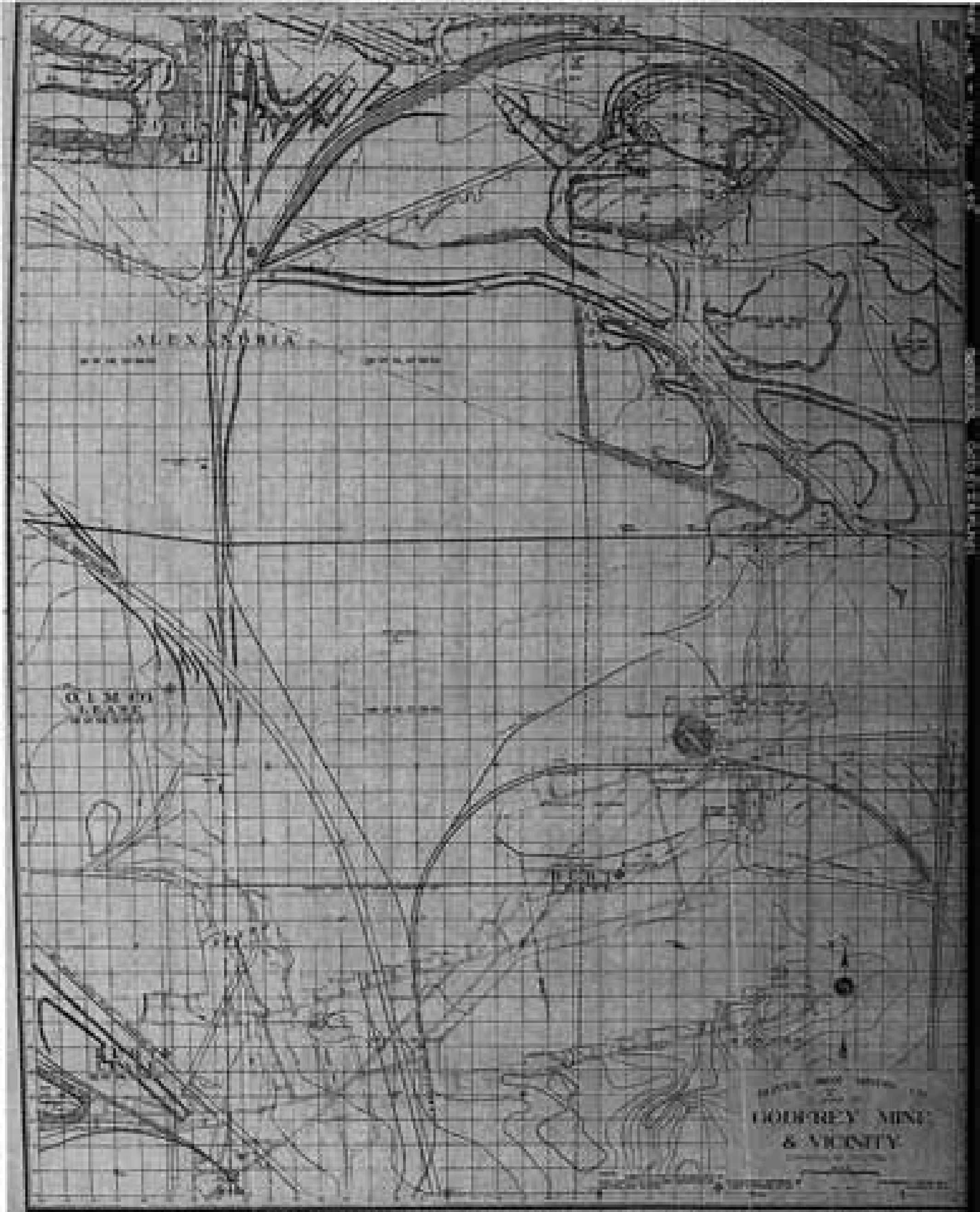

OLIVER IRON MINING CO.
MAP OF
GODFREY MINE

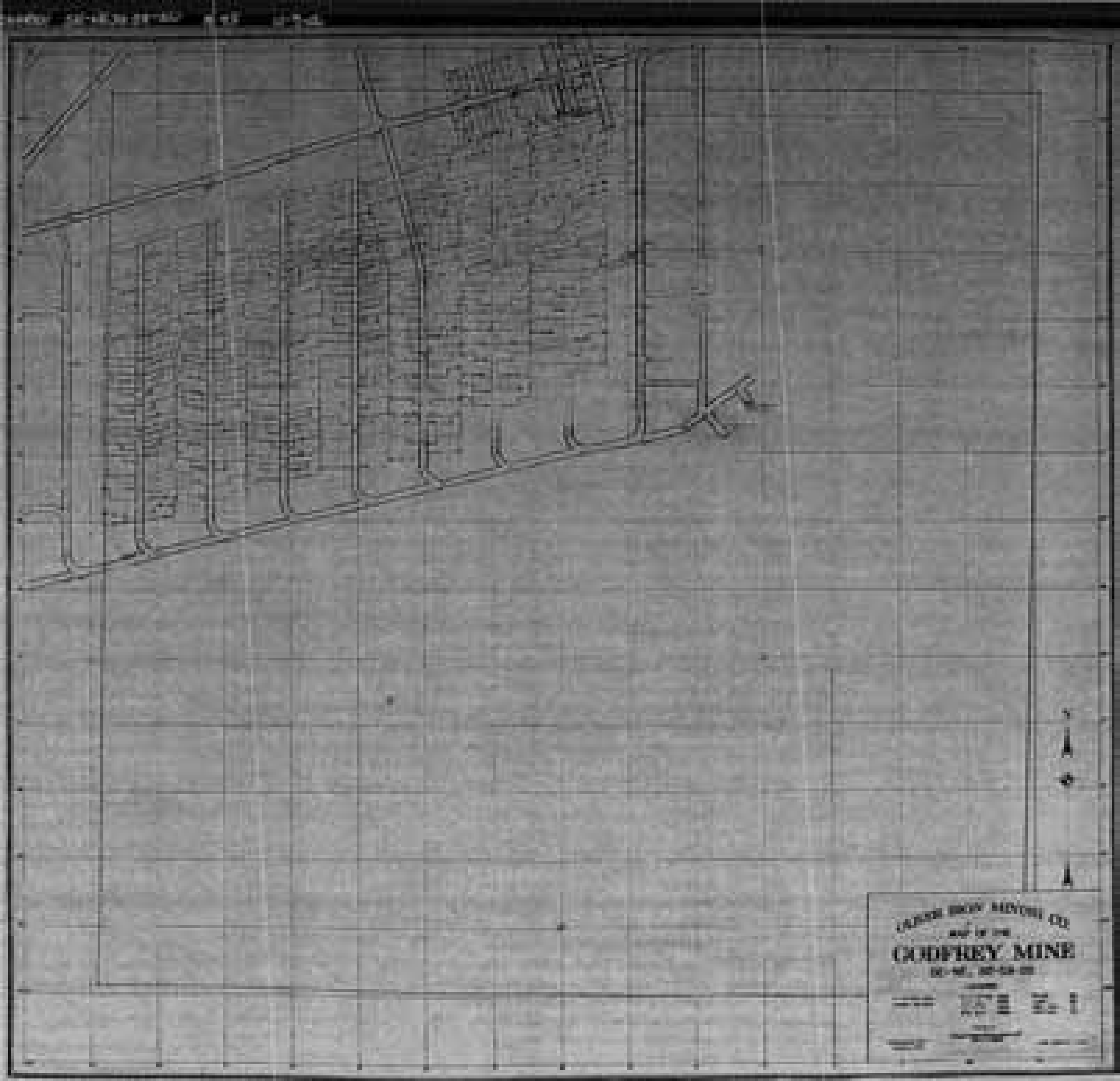

OLIVER IRON MINING CO
MAP OF
GODFREY MINE
BURT, NW¼ NE¼ SEC 33-38-20

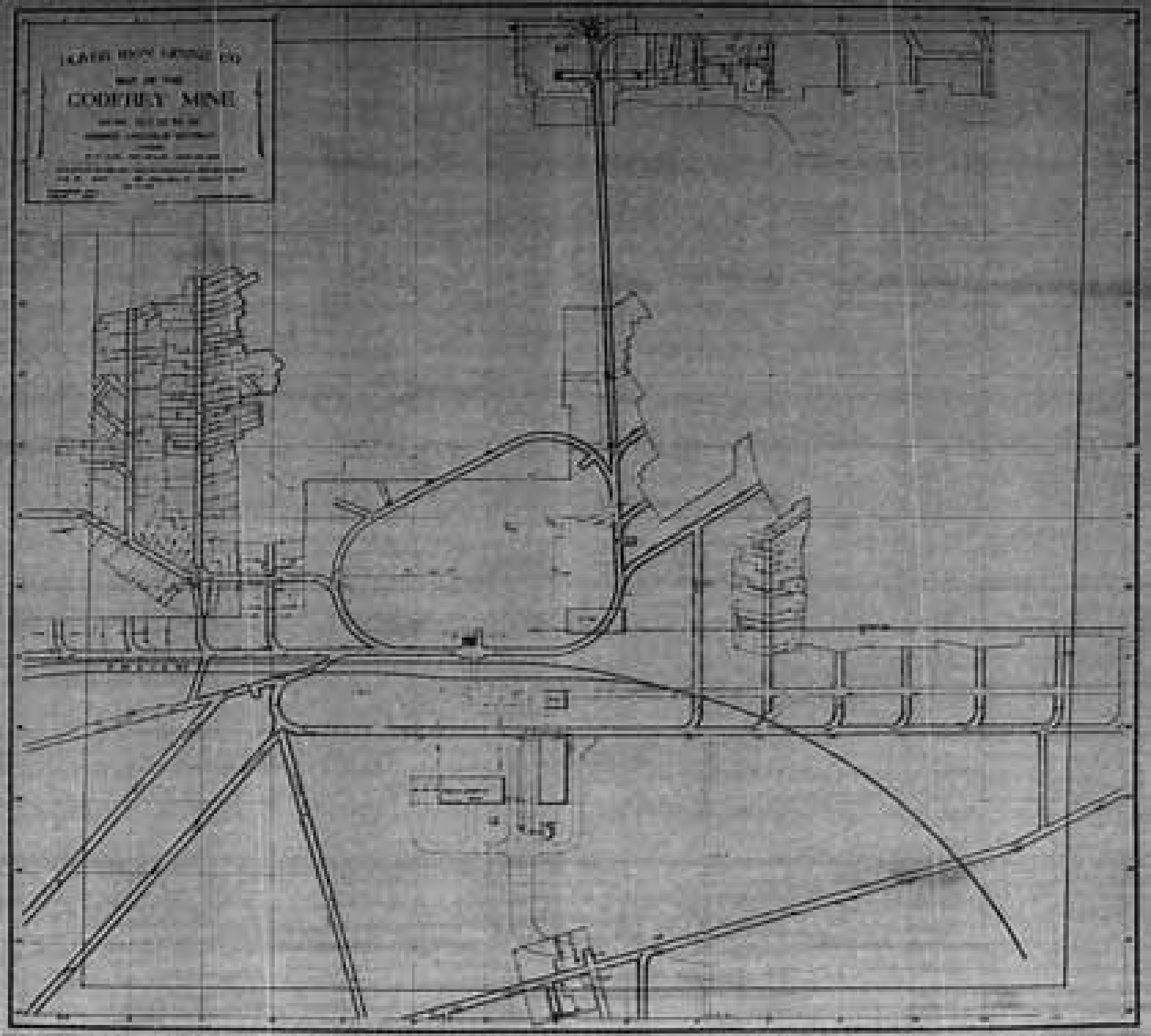

GOGEBIC IRON MINING CO.
MAP OF THE
GODFREY MINE

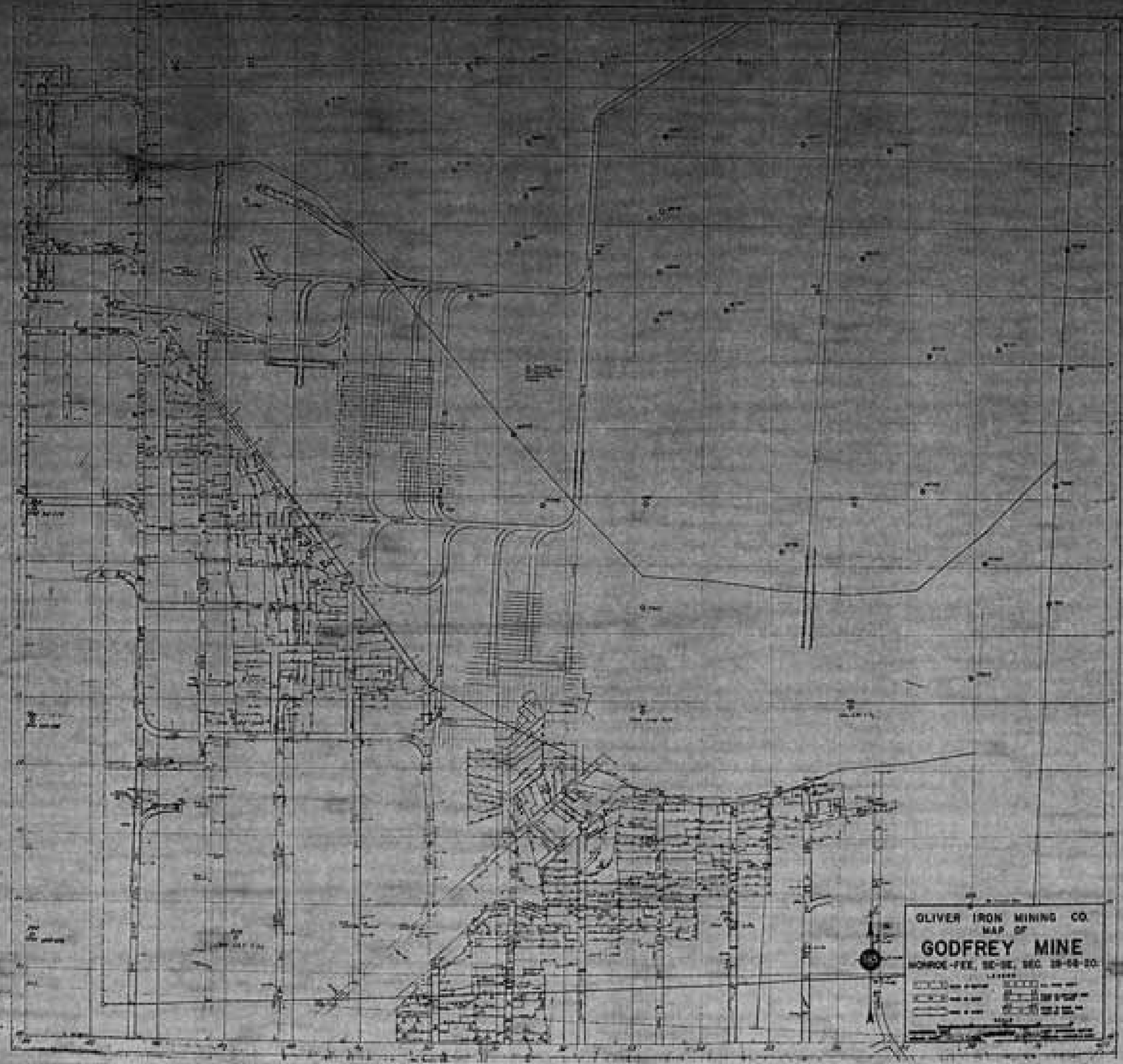

GOODFREY MINE

GODFREY MINE


ALEXANDRIA
GODFREY MINE
& VICINITY


GODFREY MINE


GOODFRIDAY MINE


OLIVER IRON MINING CO.
MAP OF
GODFREY MINE

OLIVER IRON MINING DIVISION

UNITED STATES STEEL CORPORATION

GODFREY MINE

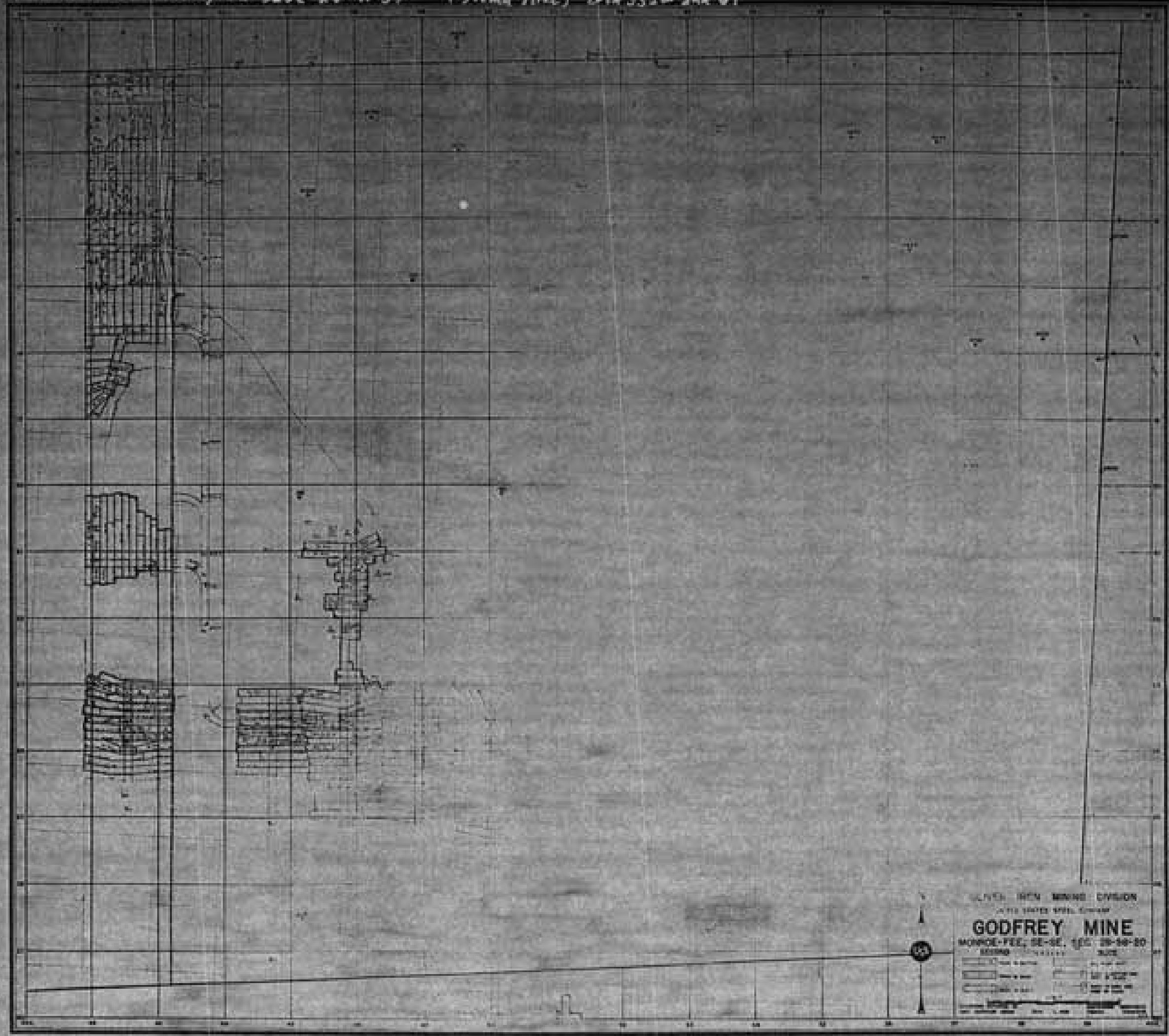
MONROE FEE SE-SE 28-58-20

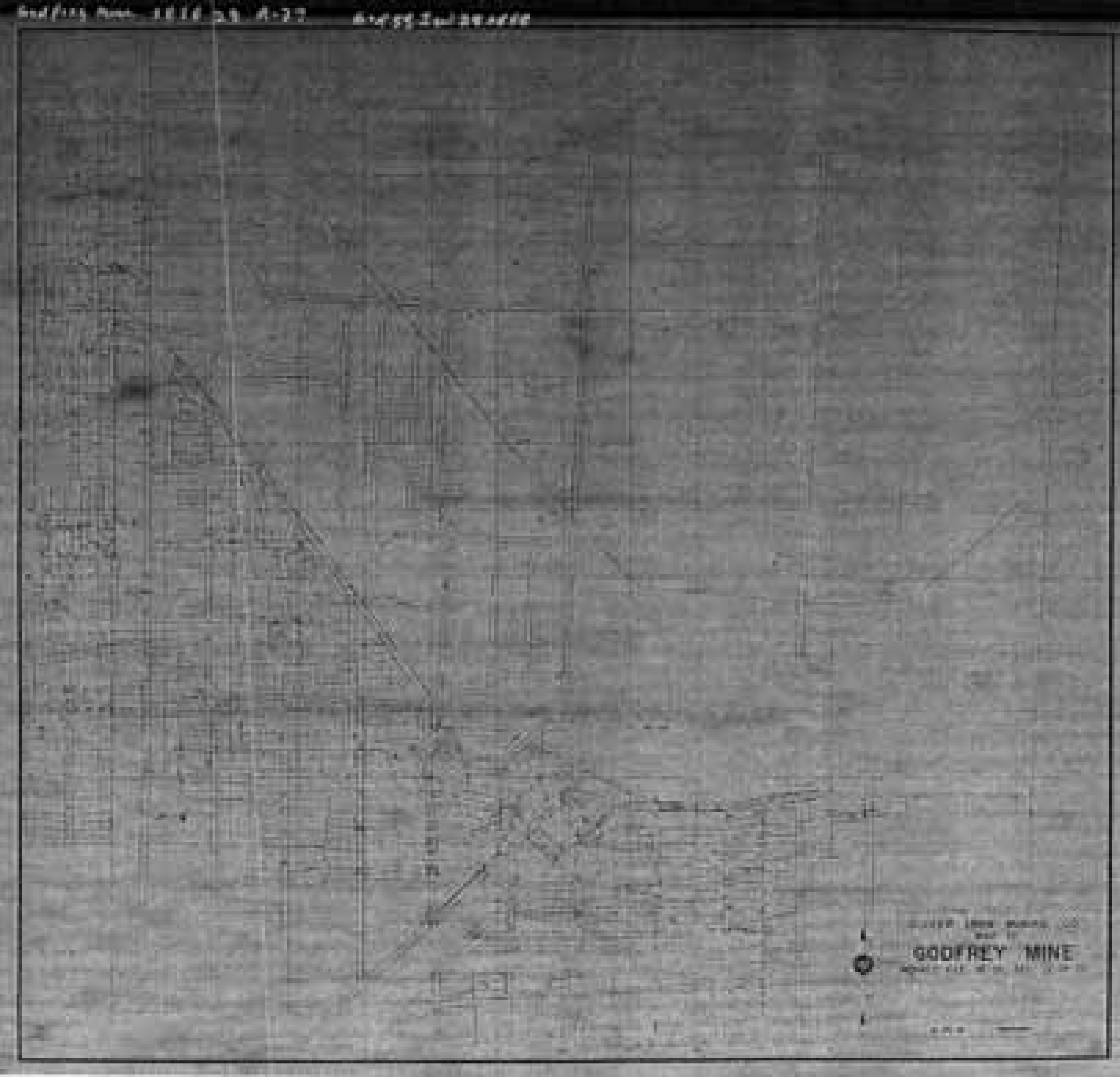
EAST 132.5 OF SW-SE 28-58-20

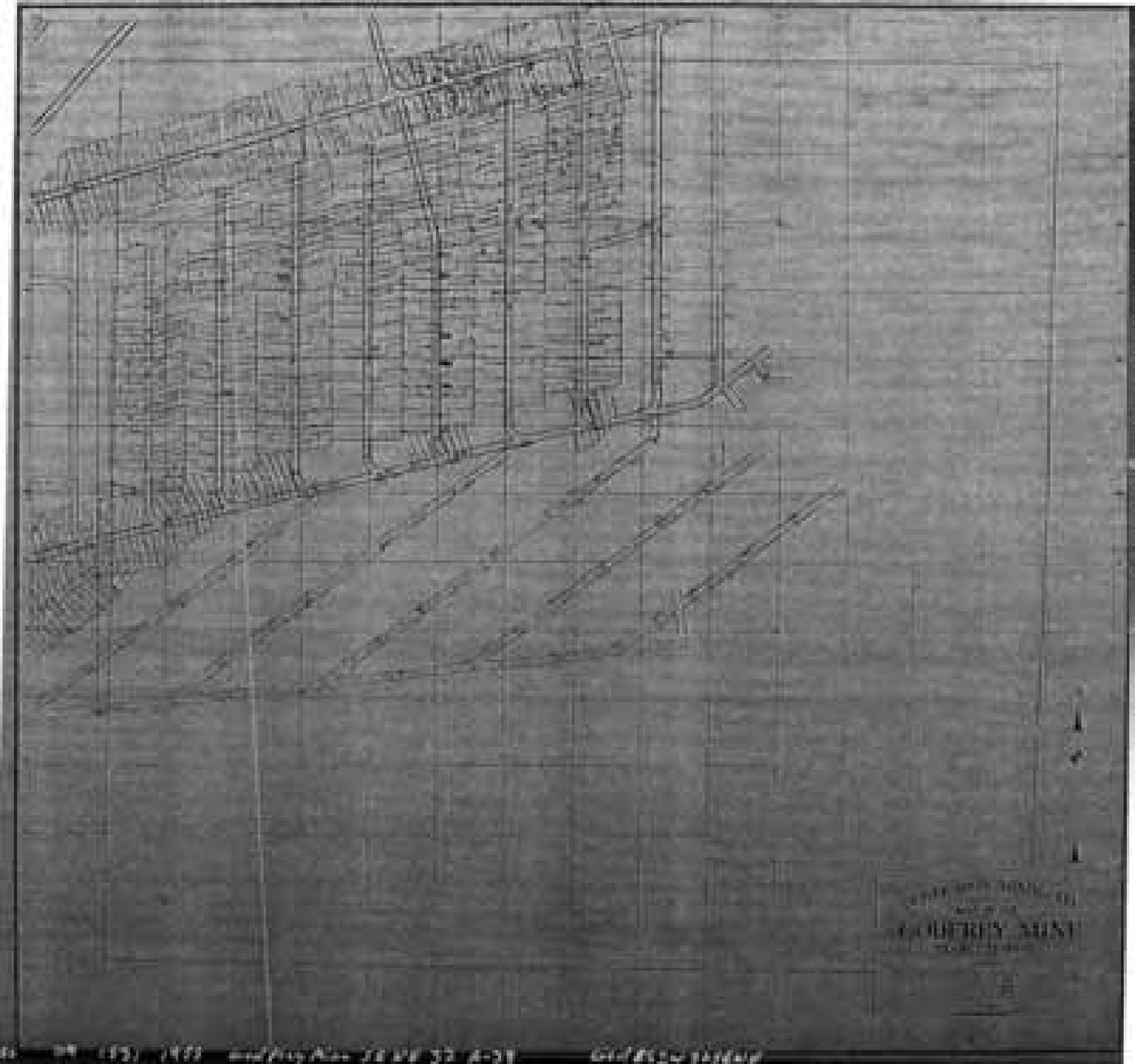
THIRD SLICE

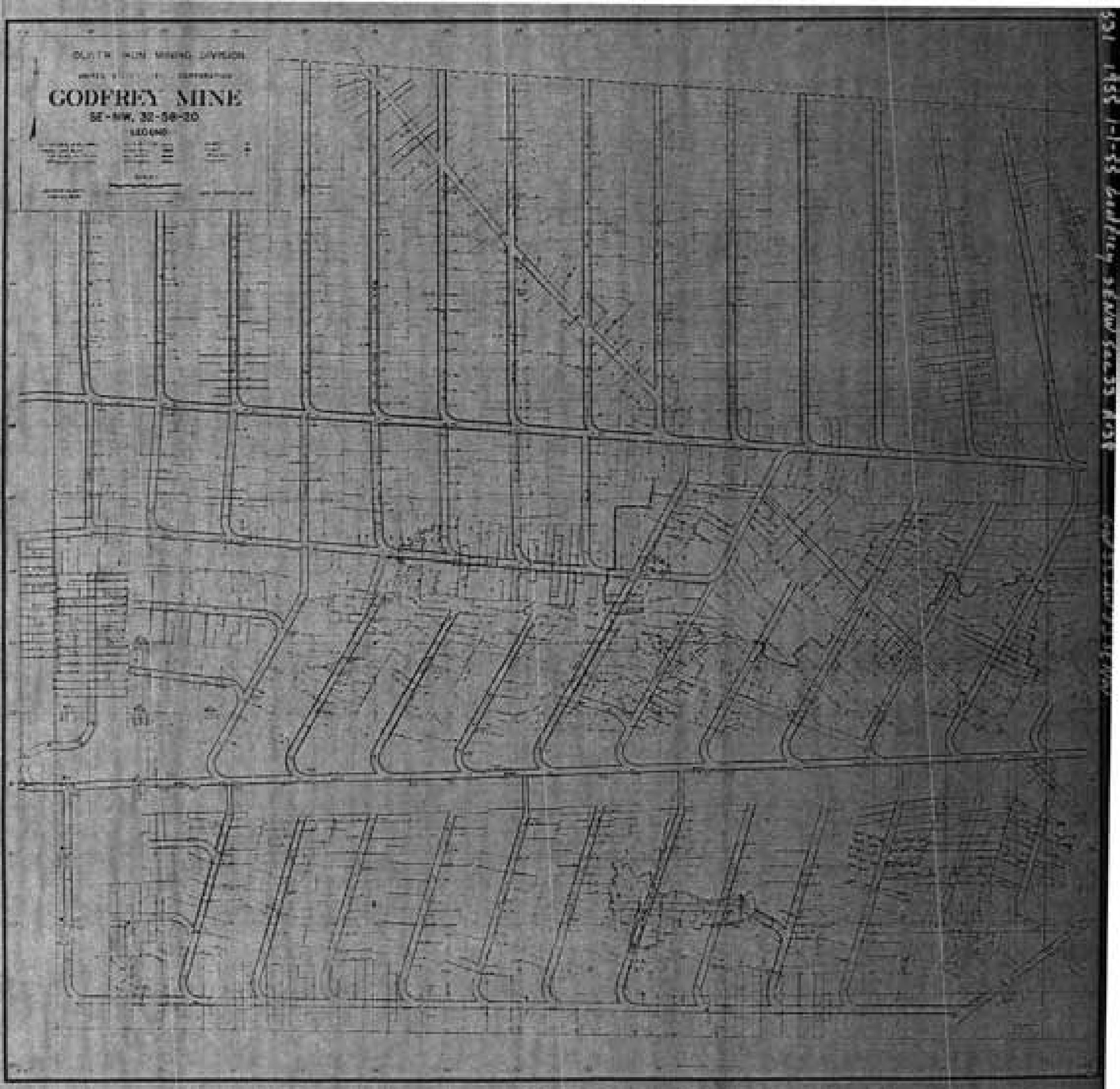
LEGEND

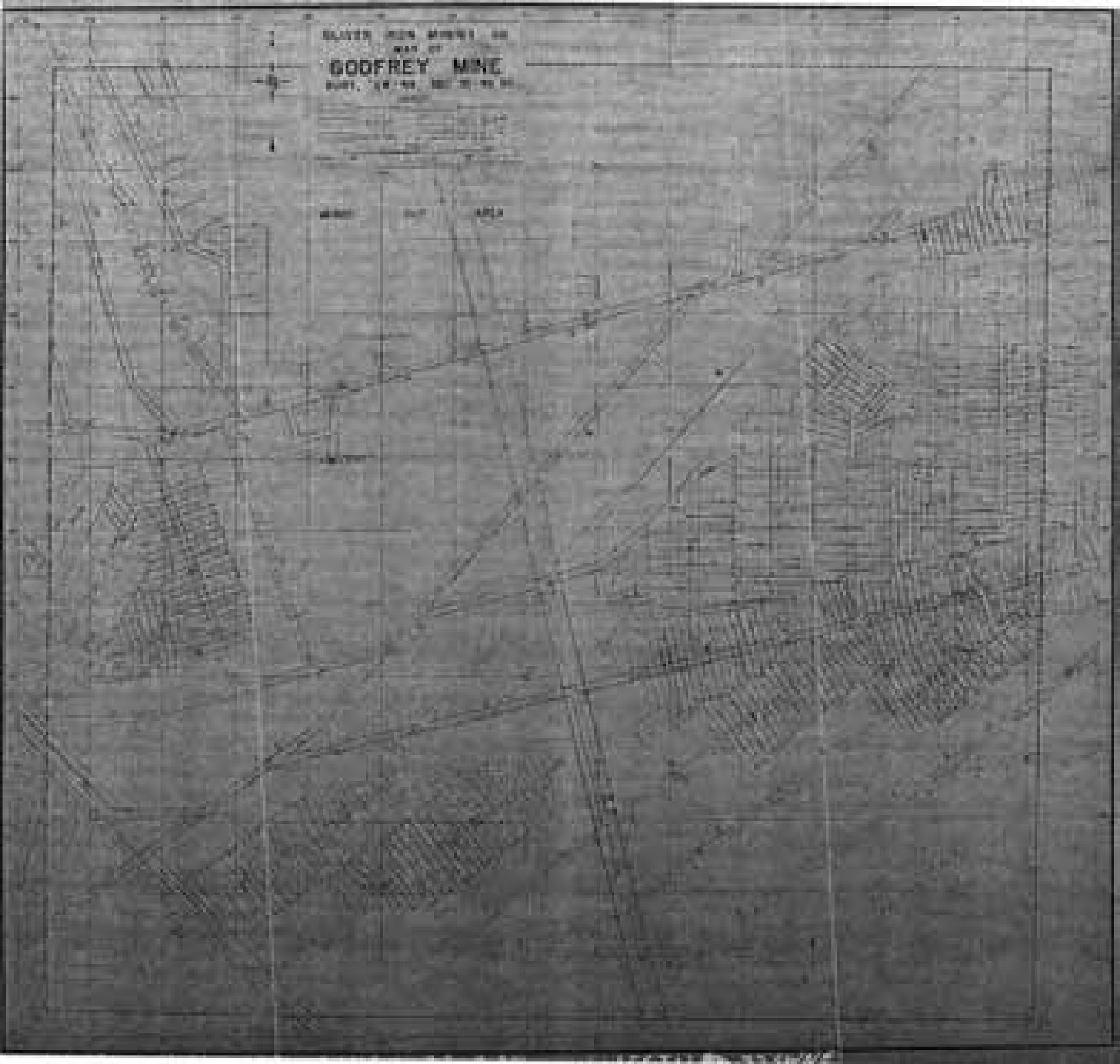
9 1531 1955 1-1-55 Godfrey Mine SESE 29 A-37 (second illus) Grid 55IW 3rd #1

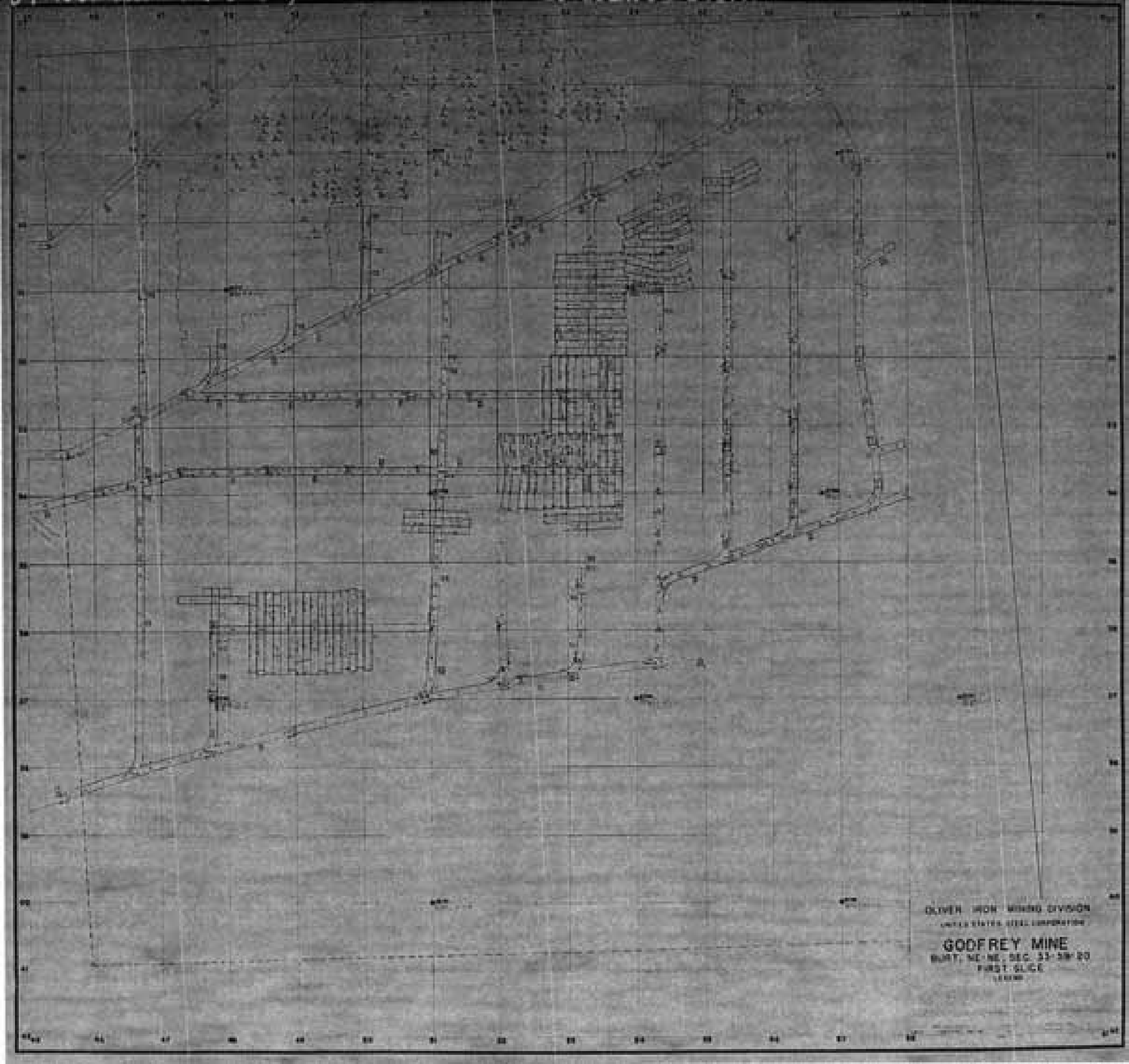


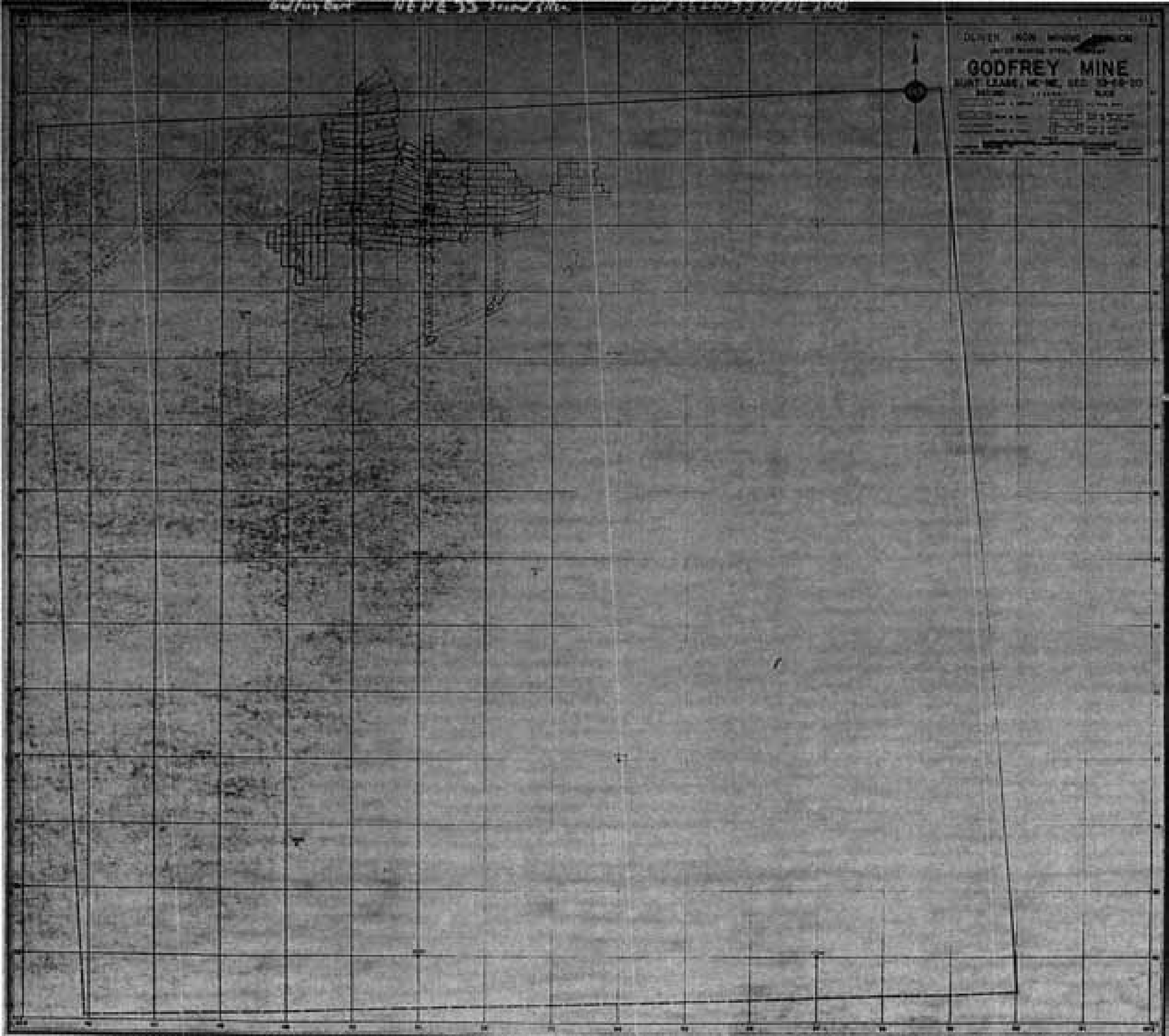

GODFREY MINE

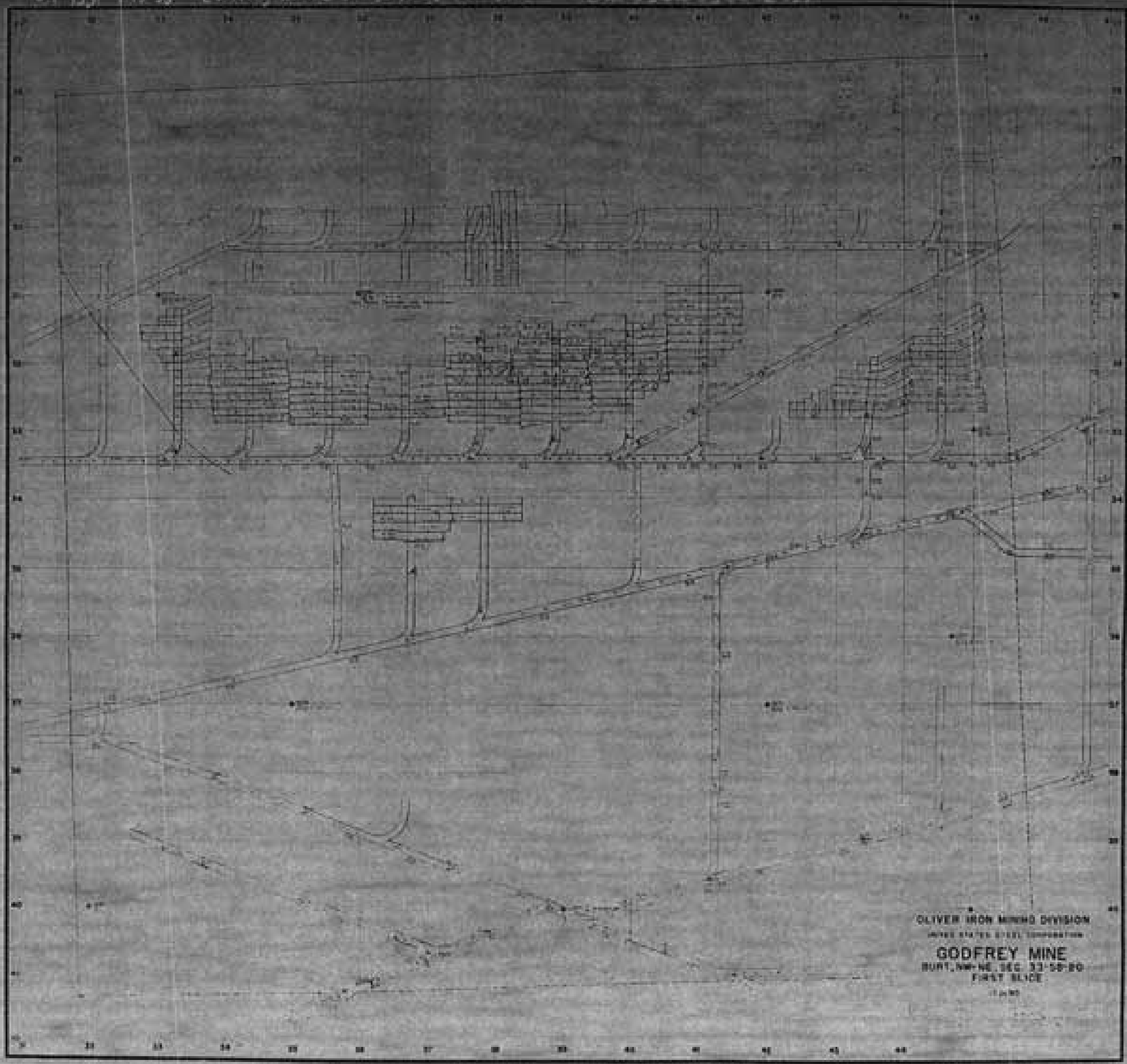

GEOFFREY MINT

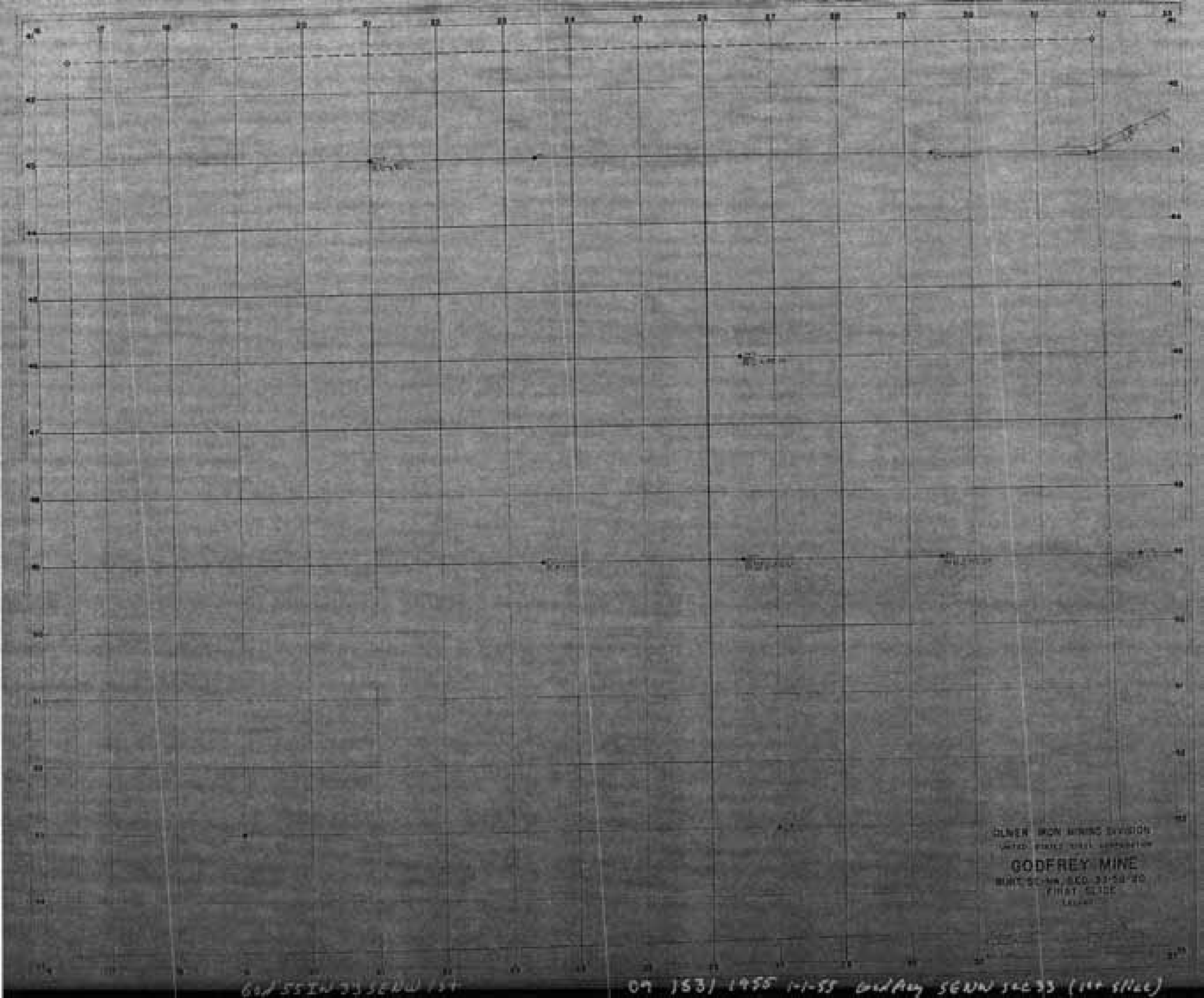

DULUTH IRON MINING DIVISION
GODFREY MINE
SE-NW, 32-58-20

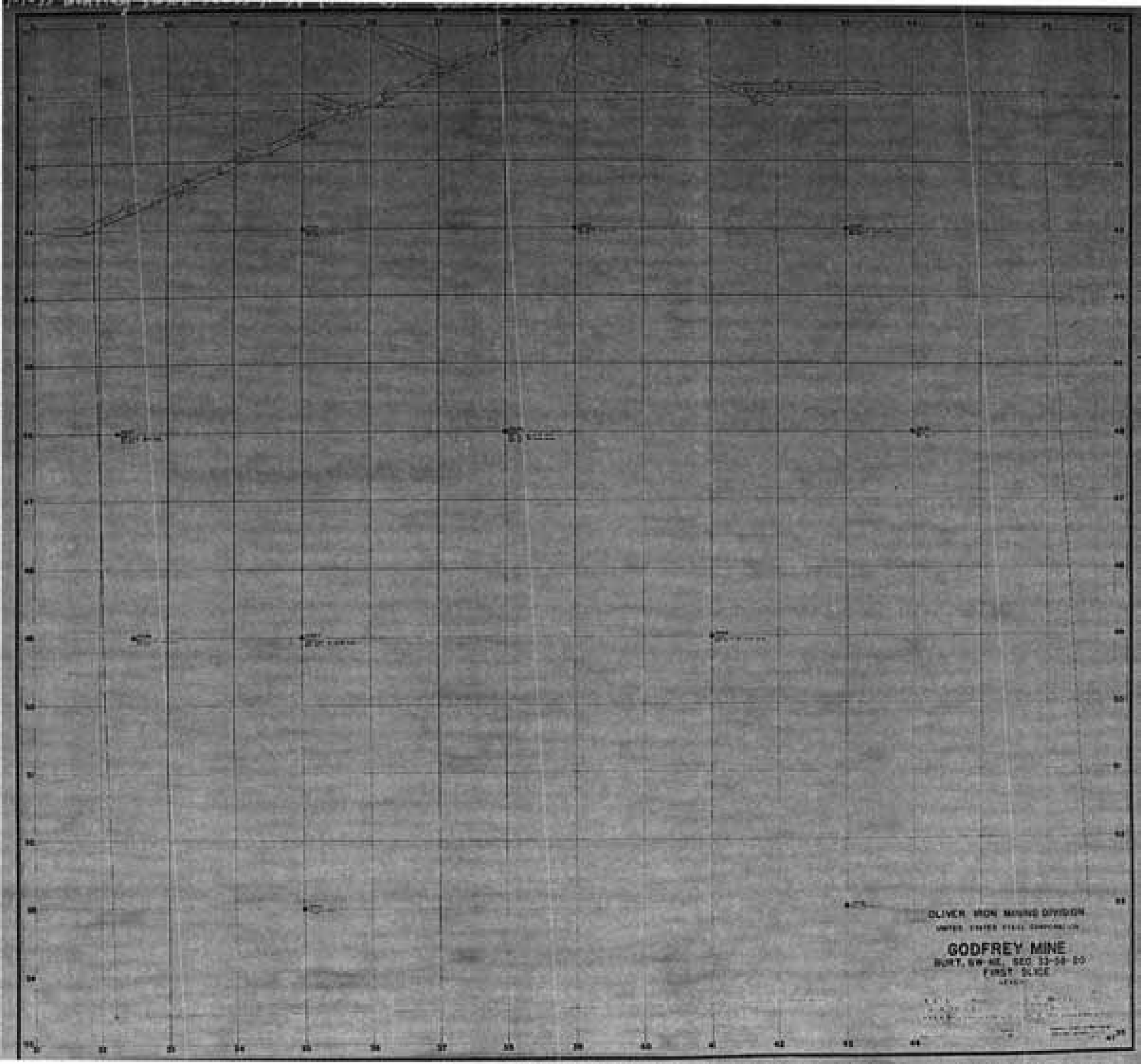

GODFREY MINE

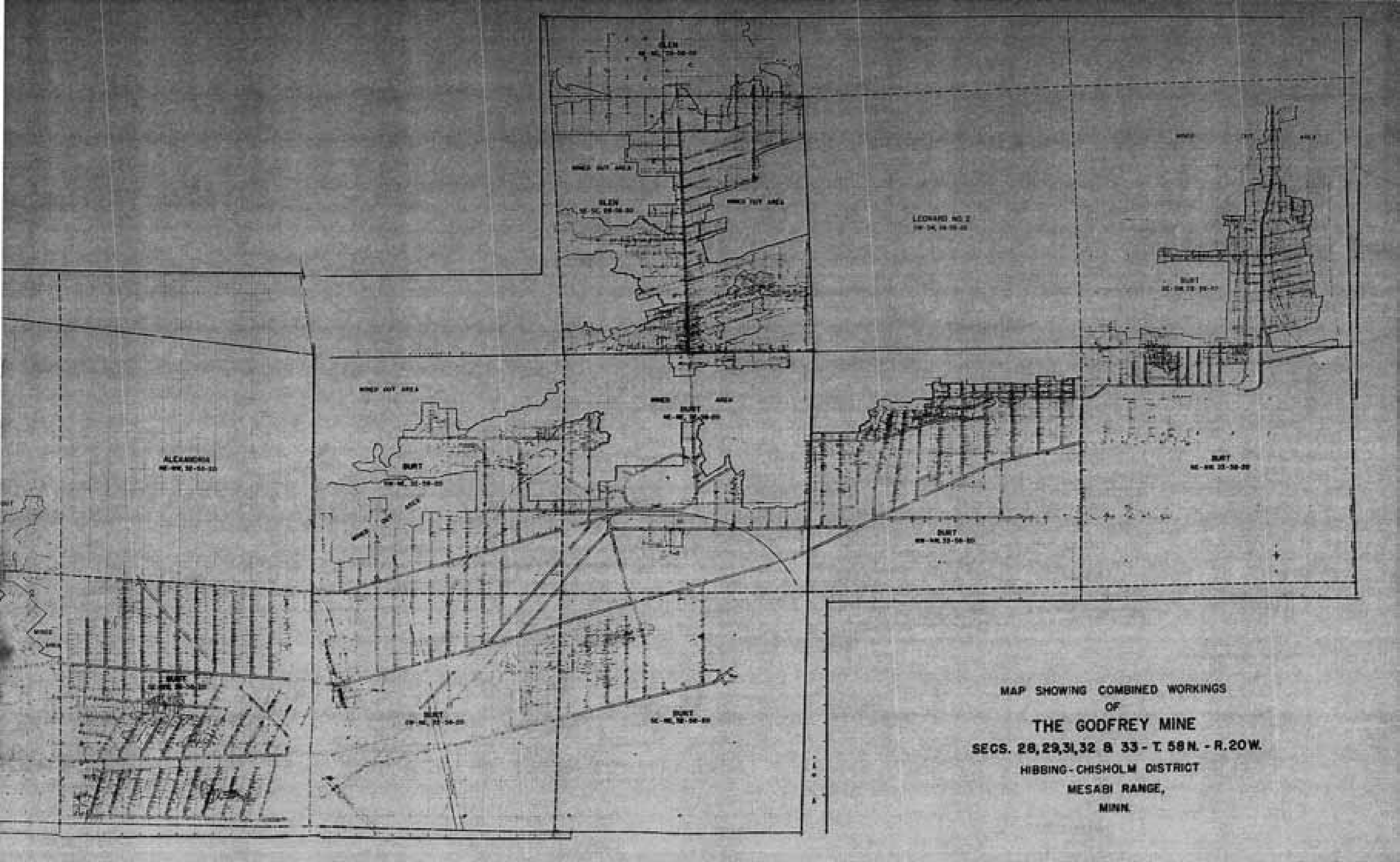

OLIVER IRON MINING DIVISION
GODFREY MINE
FIRST SLICE

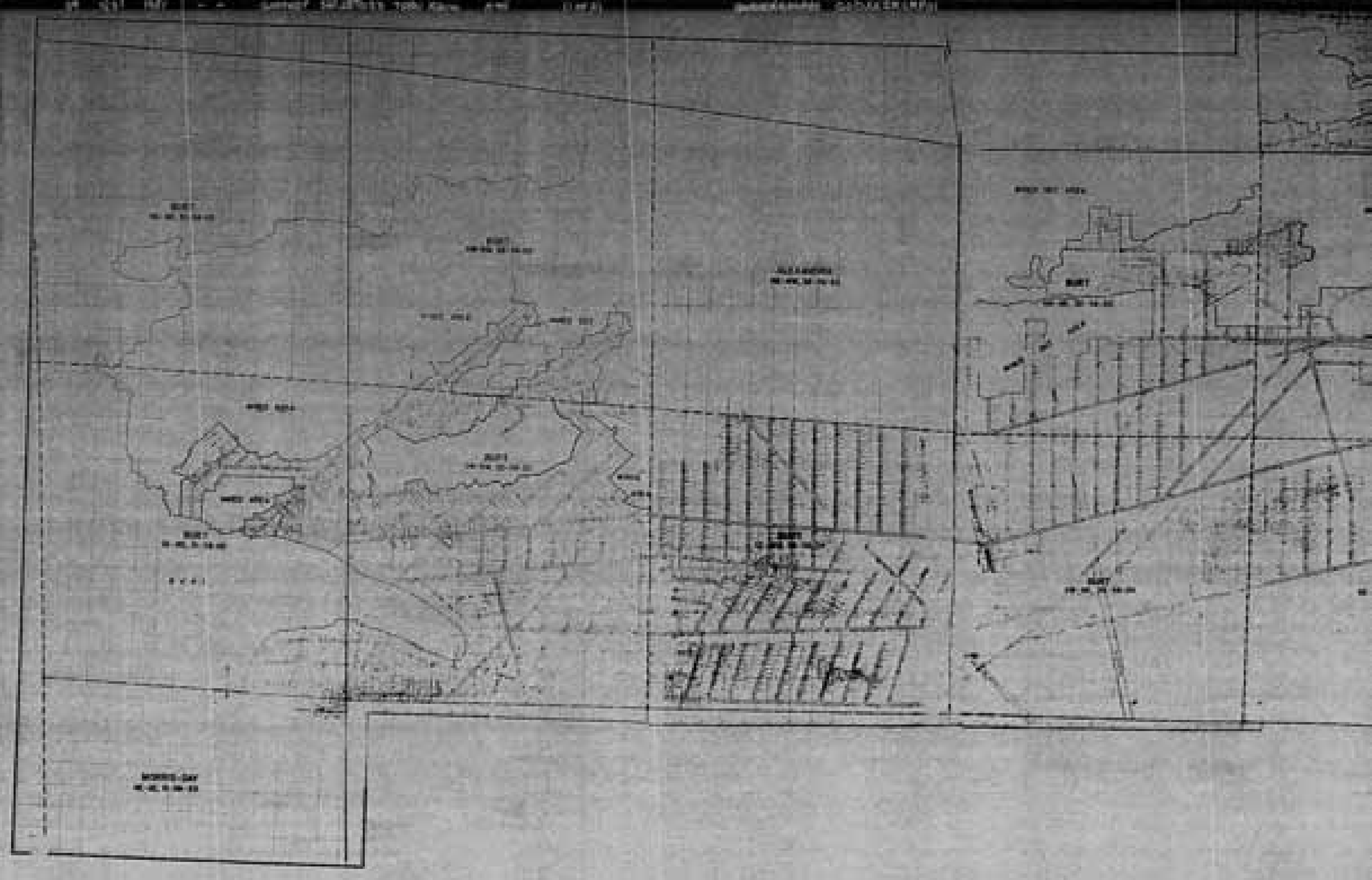

GODFREY MINE

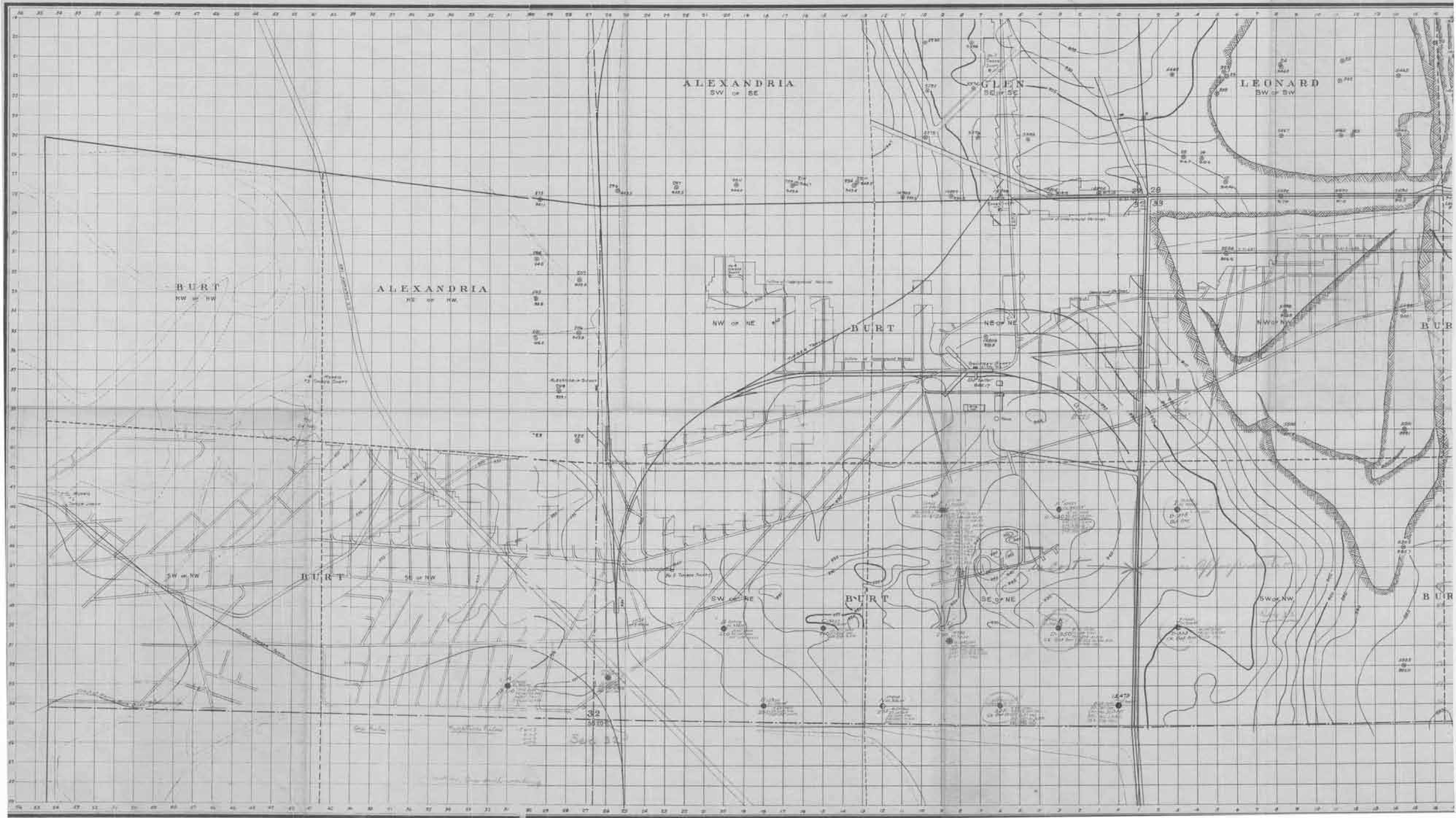

OLIVER IRON MINING DIVISION
GODFREY MINE
FIRST SLICE

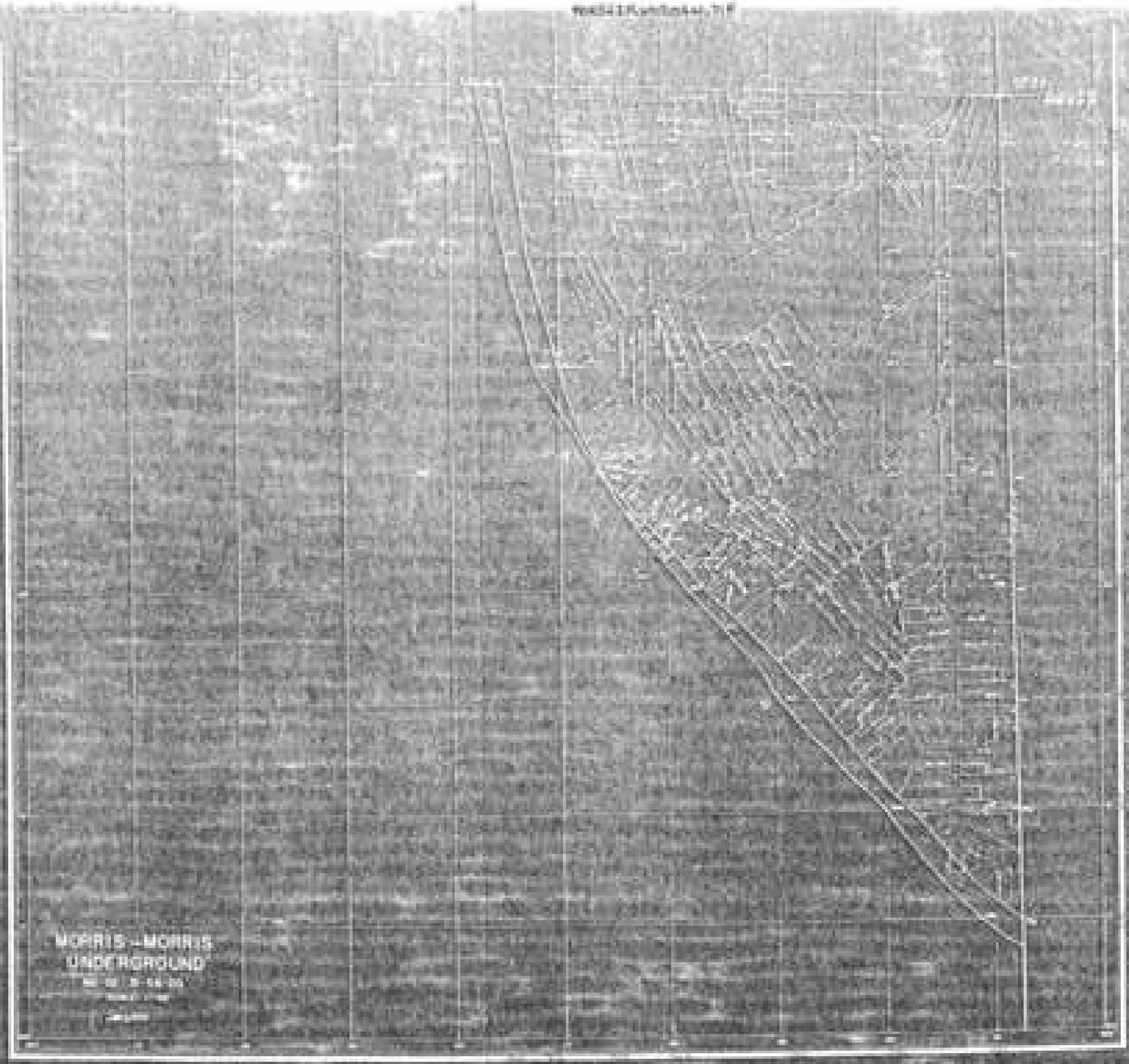

GODFREY MINE


OLIVER IRON MINING DIVISION
GODFREY MINE
FIRST SLICE

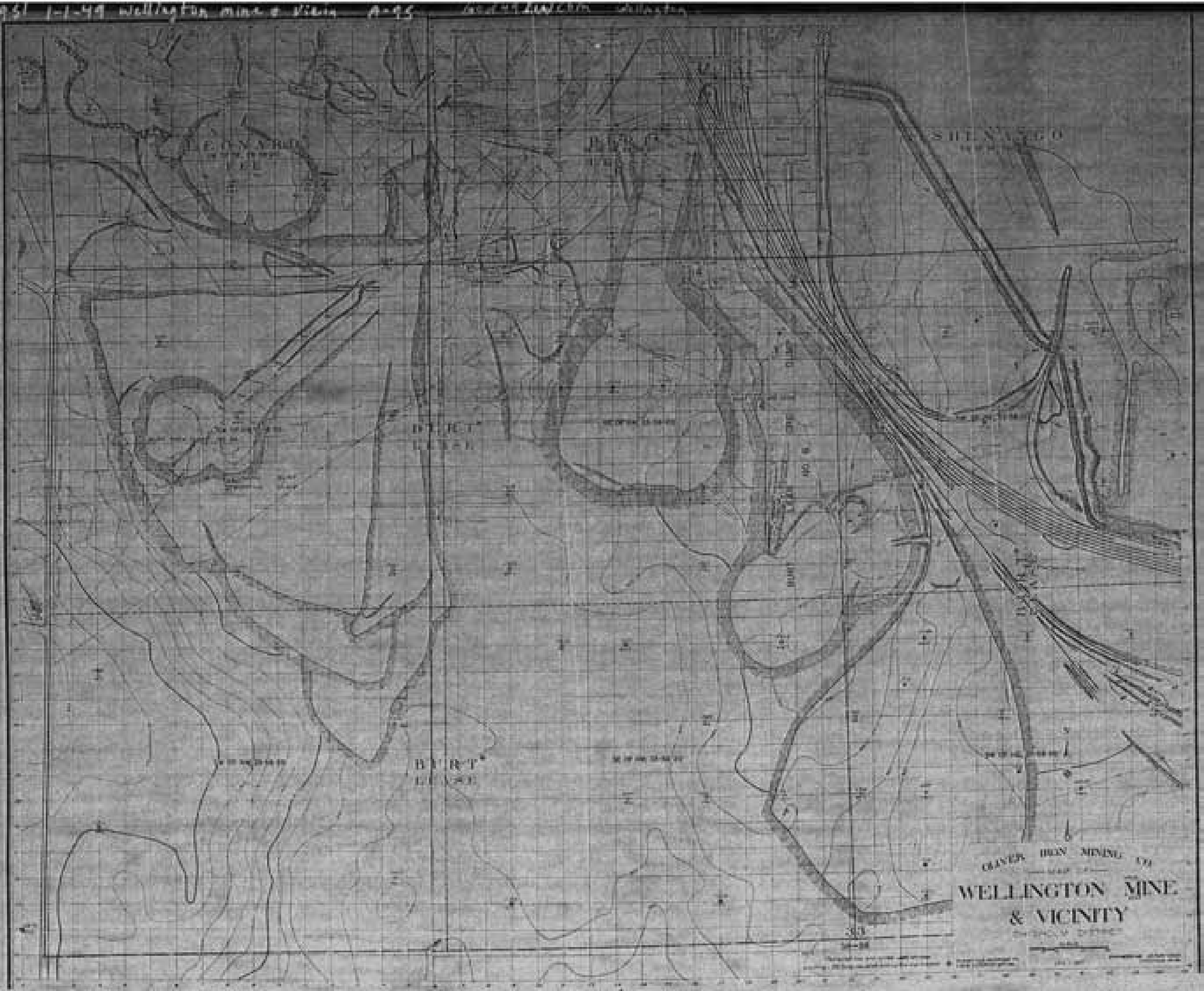

MAP SHOWING COMBINED WORKINGS
OF
THE GODFREY MINE
SECS. 28,29,31,32 & 33 - T. 58 N. - R. 20 W.
HIBBING - CHISHOLM DISTRICT
MESABI RANGE,
MINN.

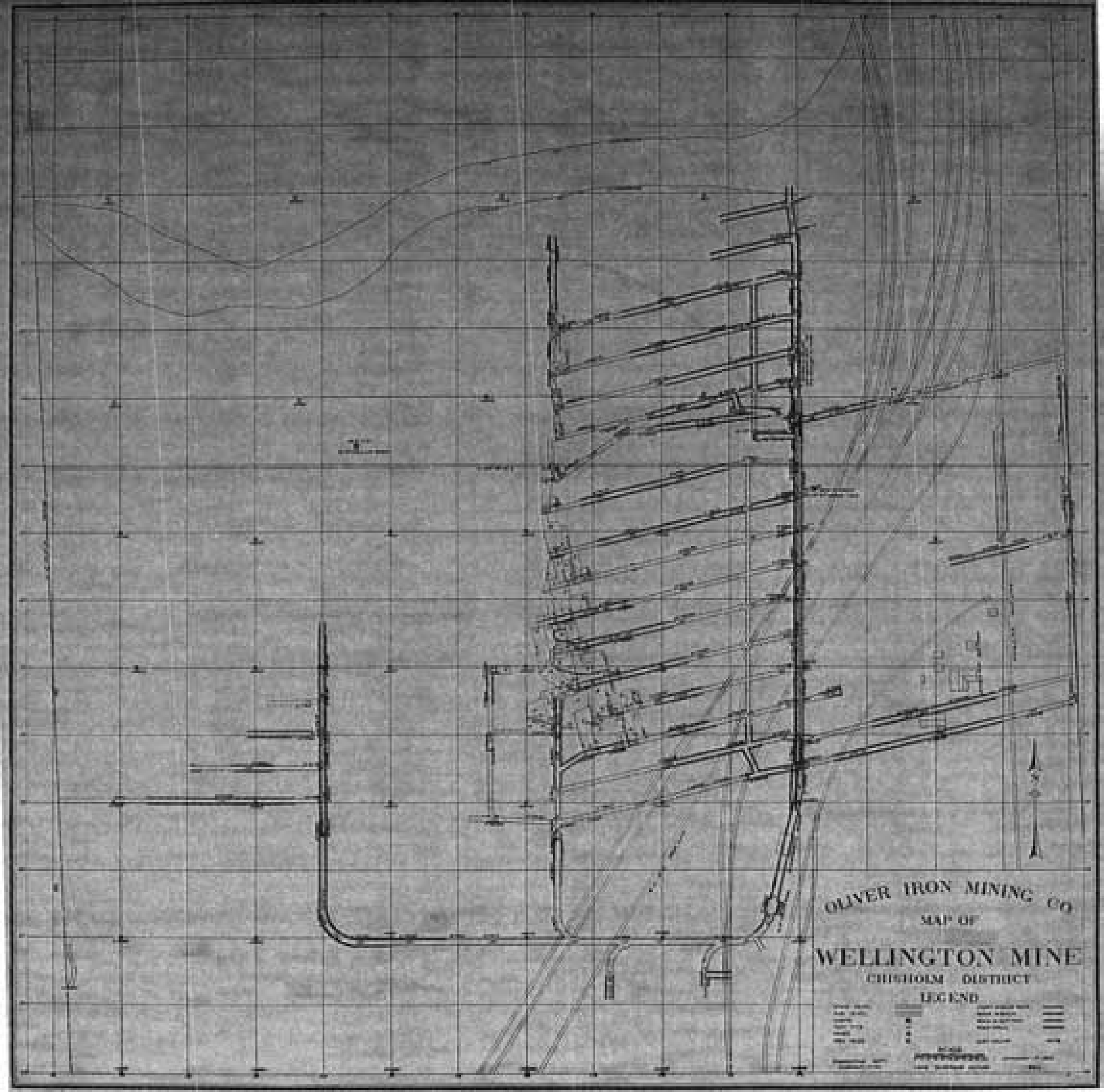



ALEXANDRIA
SW OF SE
GLEN
SE OF SE
LEONARD
SW OF SW
BURT
NW OF NW
ALEXANDRIA
NE OF NW
NW OF NE
BURT
NE OF NE
NW OF NW
SW OF NW
BURT
SE OF NW
SW OF NE
BURT
SE OF NE
SW OF NW
28
33
32

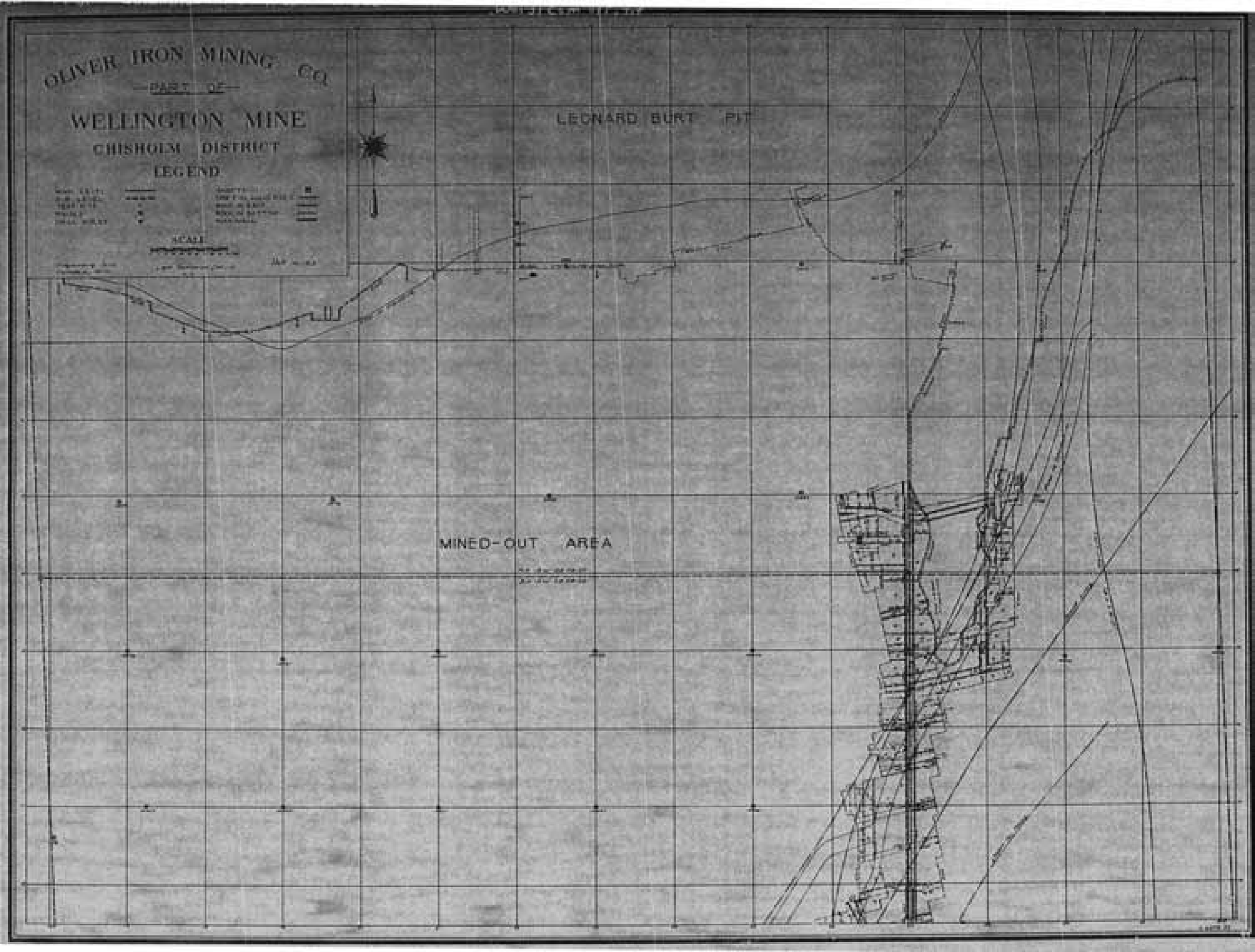

MORRIS – MORRIS
UNDERGROUND

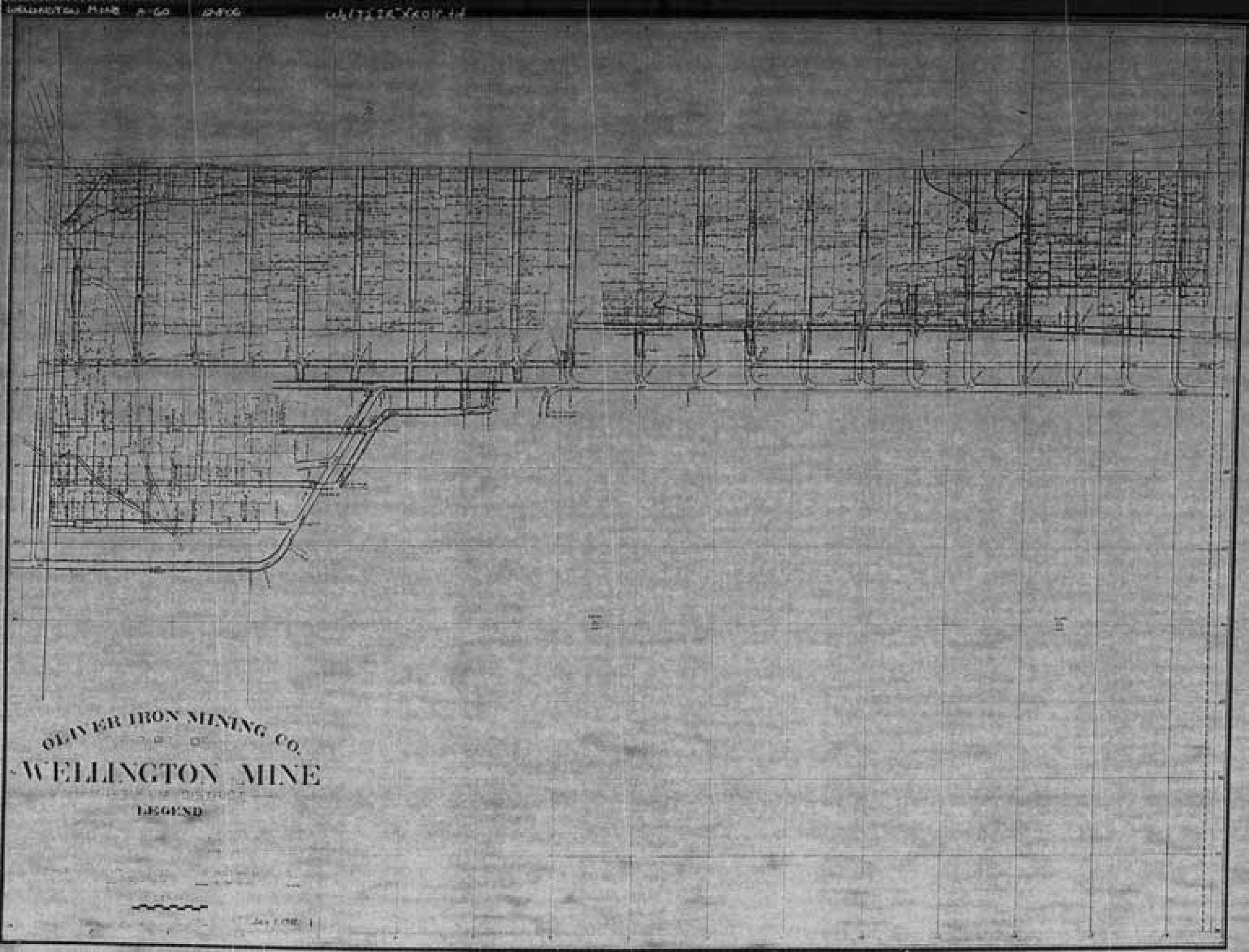
931 1-1-49 Wellington mine & vicin A-95

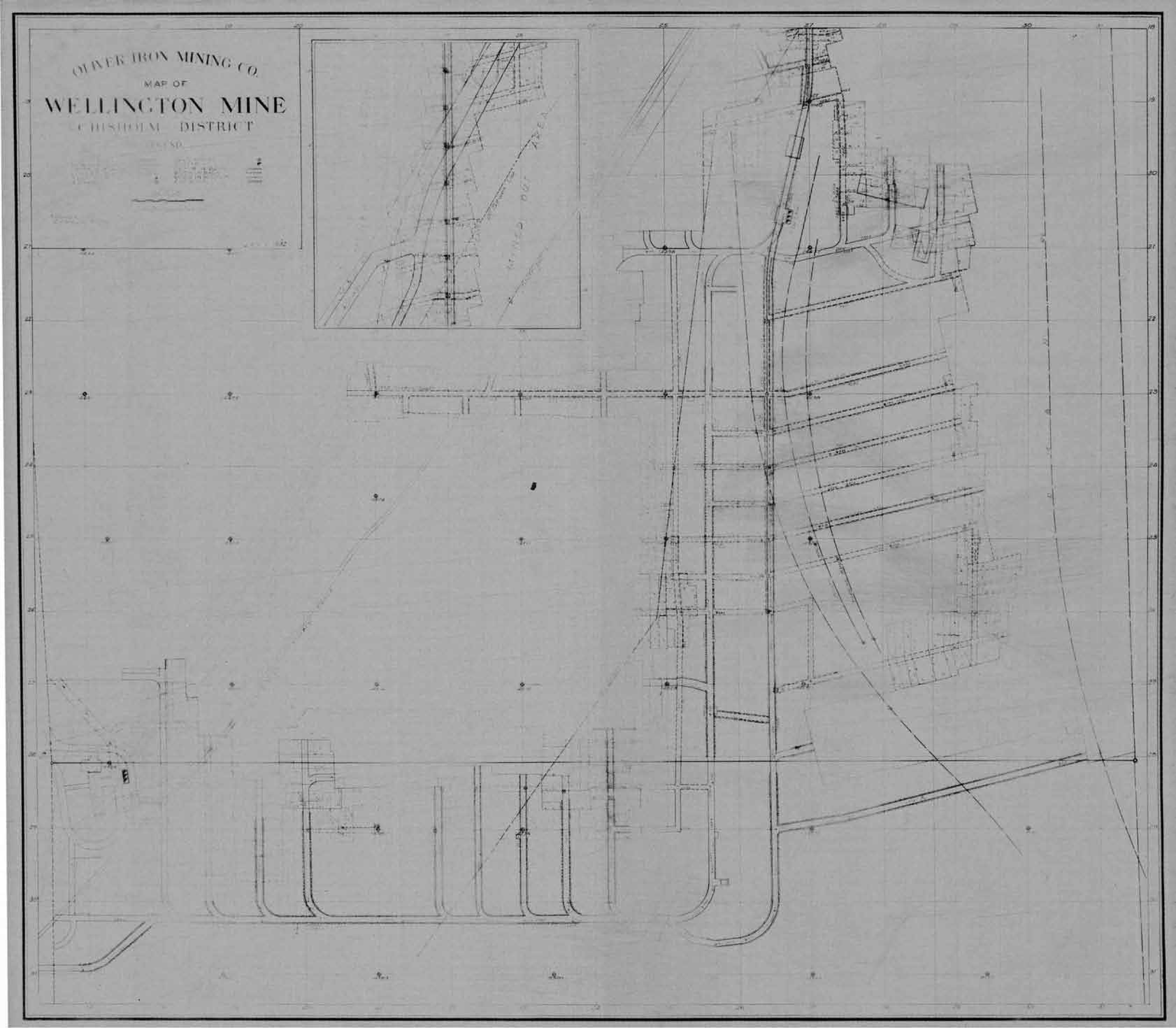

SHENANGO
BURT
GLASS
GLASS
GLASS

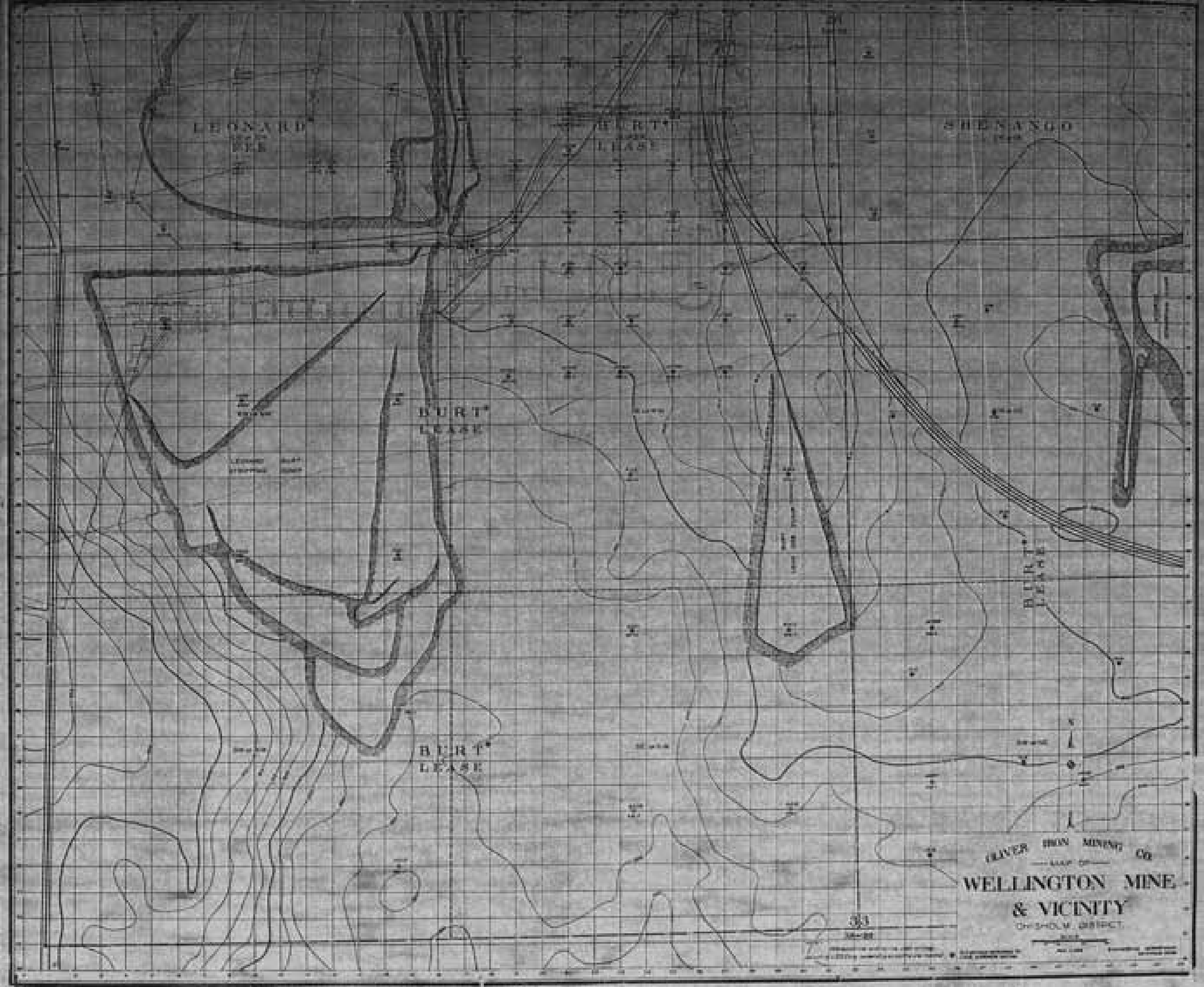

OLIVER IRON MINING CO
MAP OF
WELLINGTON MINE
CHISHOLM DISTRICT
LEGEND

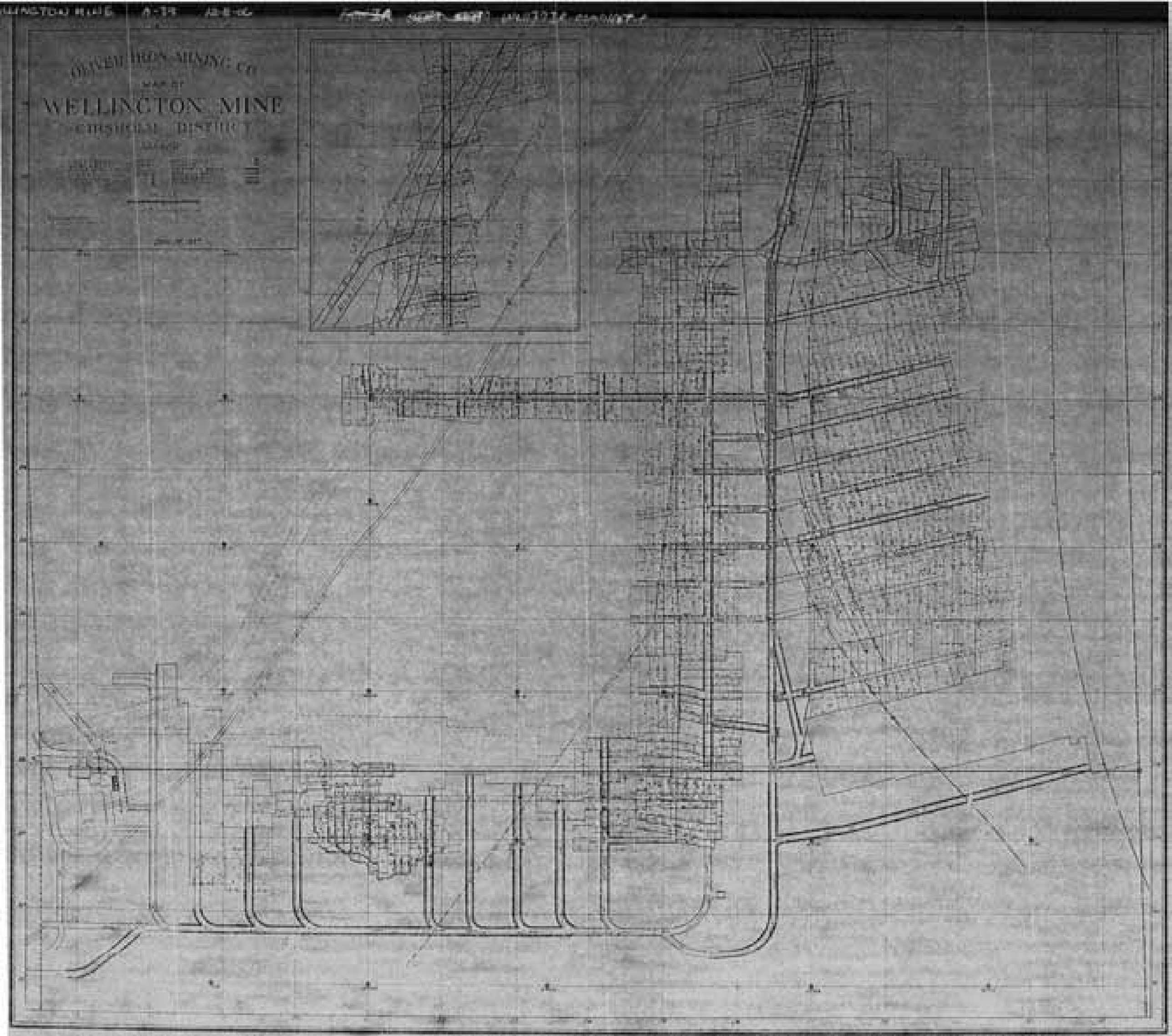
OLIVER IRON MINING CO.
MAP OF
WELLINGTON MINE
CHISHOLM DISTRICT
UPPER SUB LEVEL
SCALE

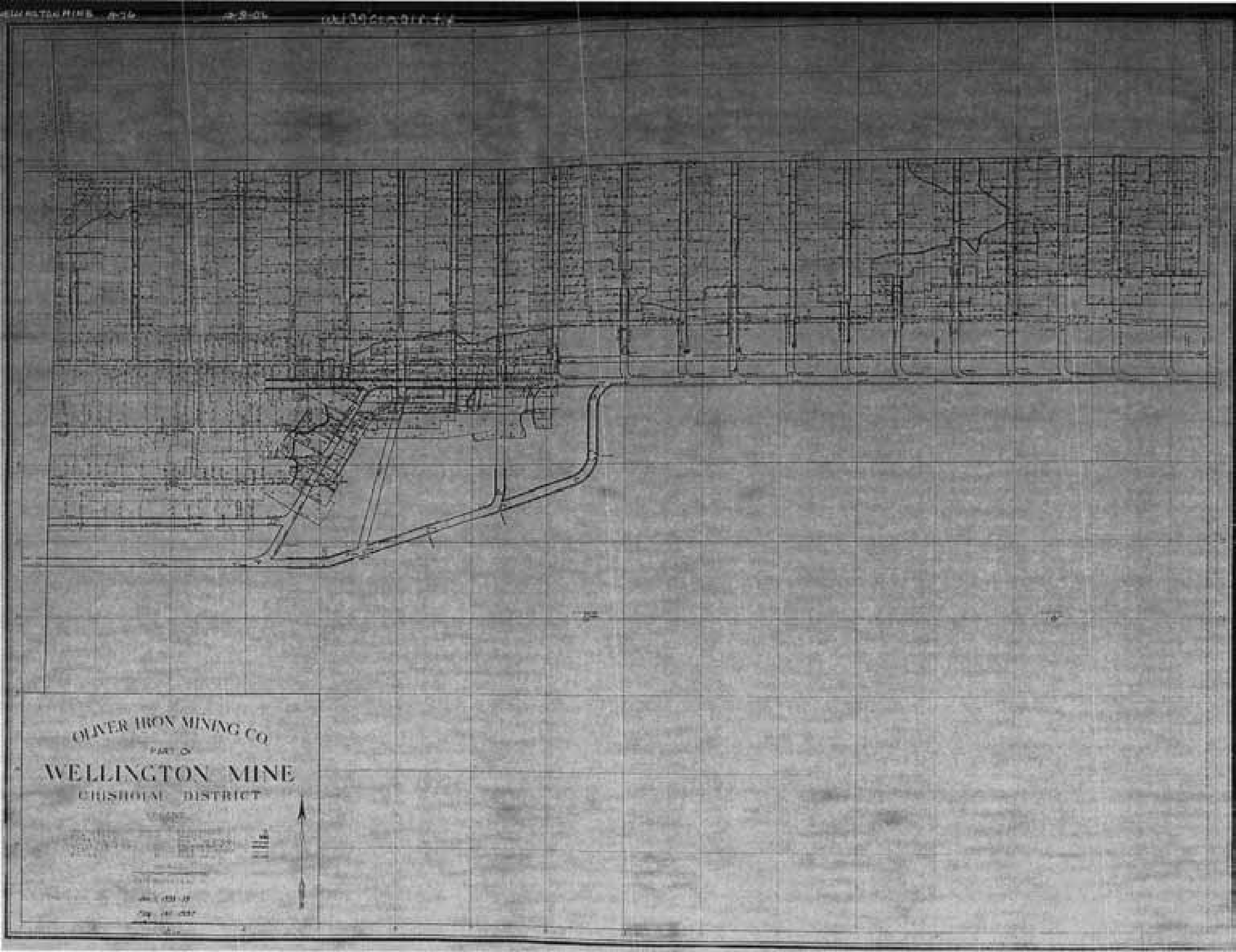

OLIVER IRON MINING Co.
PART OF
WELLINGTON MINE
CHISHOLM DISTRICT
LEGEND
SCALE
LEONARD BURT PIT
MINED-OUT AREA


OLIVER IRON MINING CO.
WELLINGTON MINE
LEGEND

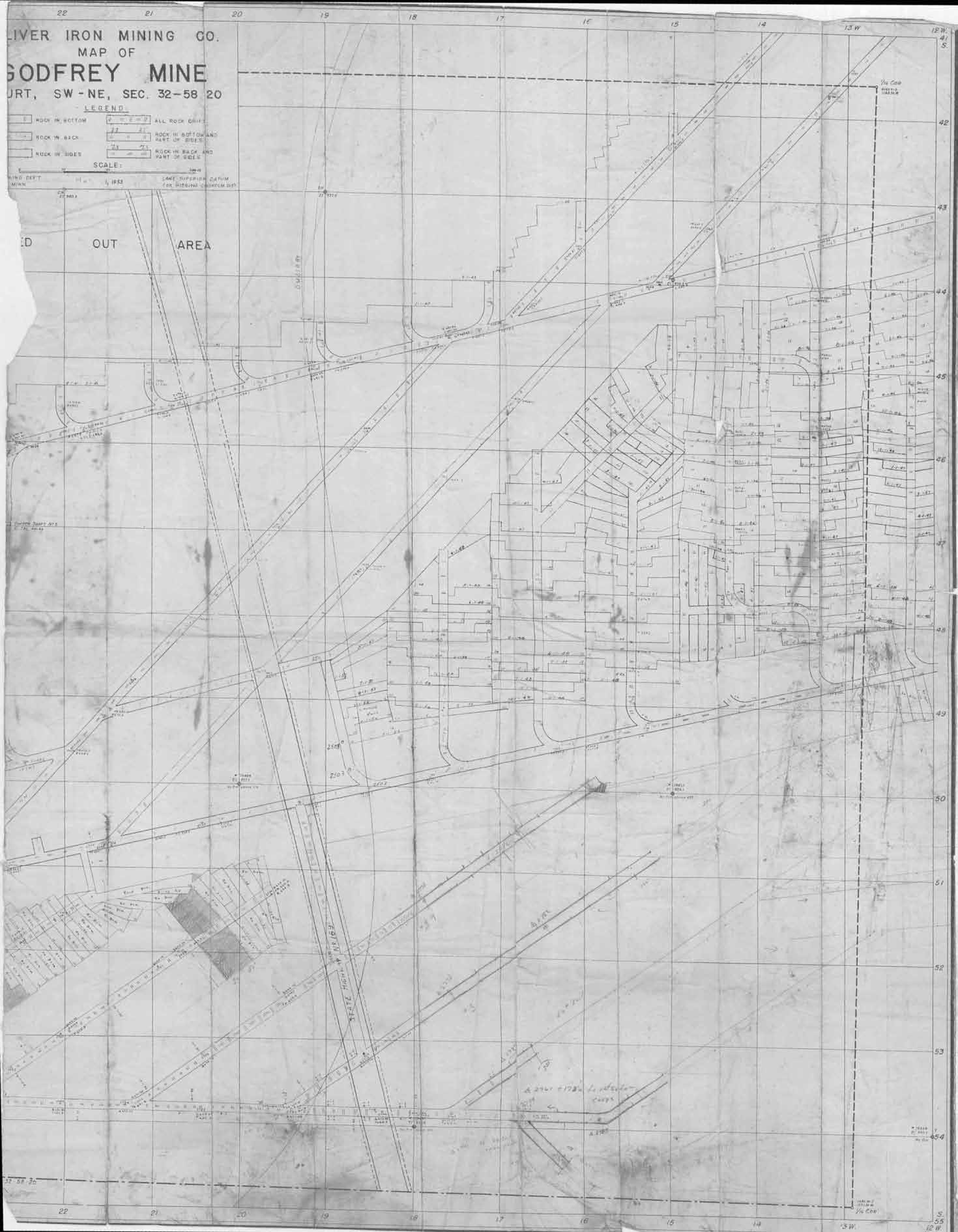

OLIVER IRON MINING CO.
MAP OF
WELLINGTON MINE
CHISHOLM DISTRICT


LEONARD
BURT
LEASE
SHENANGO
BURT
LEASE
BURT
LEASE
BURT
LEASE
OLIVER IRON MINING Co.
MAP OF
WELLINGTON MINE
& VICINITY
OHSHOLM, DISTRICT.


WELLINGTON MINE

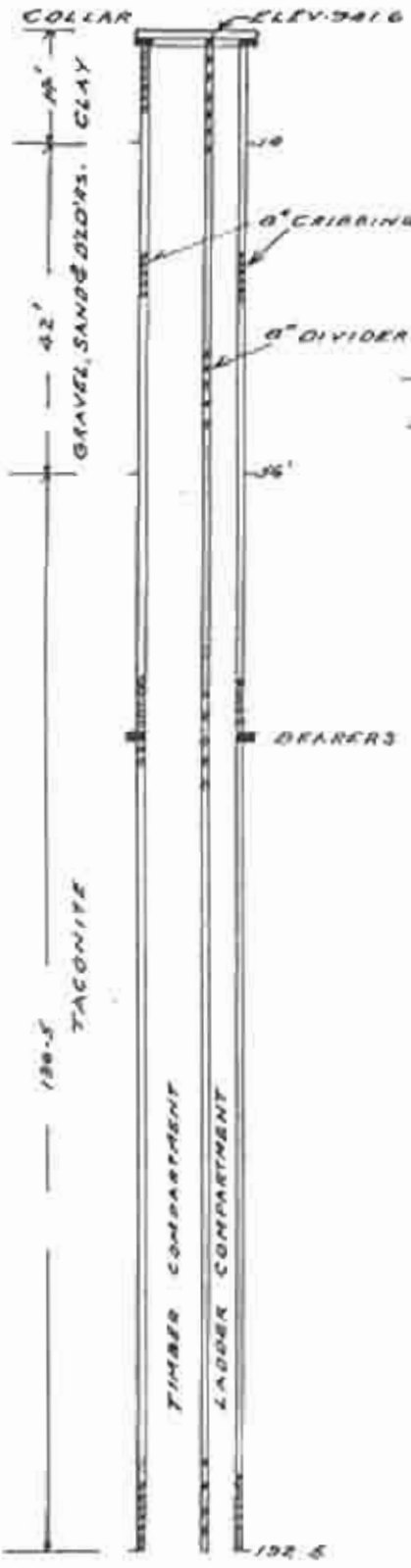

OLIVER IRON MINING CO.
PART OF
WELLINGTON MINE
CRISHOLM DISTRICT

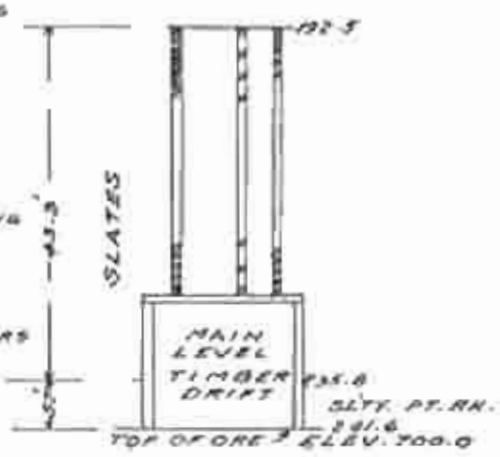
OLIVER IRON MINING CO.
MAP OF
WELLINGTON MINE
& VICINITY
CHISHOLM DISTRICT
LEONARD
FEE
BURT
LEASE
SHENANGO
BURT ROCK DUMP NO. 15
BURT LEAN ORE DUMP 14
LEONARD STRIPPING
BURT DUMP
LEAN ORE DUMP NO. 14
28
33
N


LIVER IRON MINING CO.
MAP OF
GODFREY MINE
URT, SW-NE, SEC. 32-58 20
LEGEND
ROCK IN BOTTOM
ROCK IN BACK
ROCK IN SIDES
ALL ROCK DRIFT
ROCK IN BOTTOM AND PART OF SIDES
ROCK IN BACK AND PART OF SIDES
SCALE:
ED OUT AREA
STATE HIGHWAY 169
22
21
20
19
18
17
16
15
14
13 W
12 W
41 S
42
43
44
45
46
47
48
49
50
51
52
53
54
55

GODFREY MINE NO. 5. TIMBER SHAFT

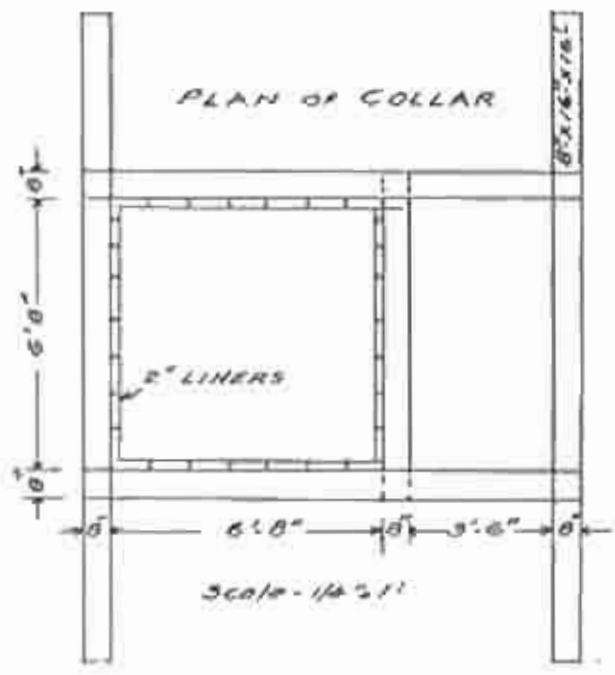
SECTION LOOKING NORTH





Scale: 1" = 20'

Location SW-NE-32-58-20.
Dimensions - 8'8" x 10'10" inside of cribbing
6" to 8" Round Timber "
Excavation - 12'6" x 8'5"
Elevation of Collar 941.6 L.S. Datum.
" Top of Ore 700.0 " "



Scale - 1/4" = 1'

GODFREY MINE No. 1 SHAFT

GENERAL DESCRIPTION

Location 36755-725E NE NE Sec 32-T58N-R20W.

Elevation of collar above Lake Superior ---------- 940 ft.

Inside Measurements { Between wallplates ---------- 10'-0"
Between endpieces ---------- 12'-0"

Shaft sets are of structural steel, with concrete slabs

Sizes of members { Wallplates ---------- 6"-H-23.8#
Endpieces ---------- 6"-H-23.8#
Dividers ---- 6"-H-23.8# Sub-Dividers ------ 4"-H-13.6#
Stuttles ---------- 3½ x 2½ x 3/8 L

Size of guides ---------- 5"x8"

Distance apart of sets centers 5'-0"

Shaft started Nov. 20, 1926 Present depth 311'6" ft. Attained present depth June 4-27.

Shaft sunk in Shaft Vertical

HOISTING

SKIPS

Size of skip ---------- 4'-0"x3'-6"x6'-0"

Capacity of skip ---------- 84 cu ft

Gauge of wood guides ------ 4'-2"

Size of guides ---------- 5"x8"

Load from station ore pocket

CAGE

Style of cage Single-Deck with counterbalance

Gauge of wood guides ------ 4'-10"

Size of wood guides ------ 5"x8"

Counterbalance cylindrical to operate in 10" guide pipe

SHAFT HOUSE

Steel structure Size ---------- 24'-0"x36'-0

Height of center of sheaves above collar ---------- 76'-0"

HOISTING PLANT

SKIP HOIST

Make: Lake Shore Engine Works

Type: Geared Hoist driven by 200 H.P. G.E. Co. Motor. Gear ratio 149:1

Capacity of drum ---------- 640 ft

Length of ropes 2 only each --- 700 ft

Size of ropes ---------- 1⅛"

Hoist in balance

Diameter of drum 5'-0" face -- 4'-0"

CAGE HOIST

Make: Remodeled steam hoist.

Type: Geared Hoist driven by 200 H.P. G.E. Co. Motor. Gear ratio 4.5:1

Capacity of drum ---------- 640 ft

Diameter of drum 5'-0" face --- 4'-0"

Length of ropes each ---------- 700 ft

Size of ropes (one non-spinning) 1⅛"

In balance with cylindrical counterbalance

COMPRESSORS

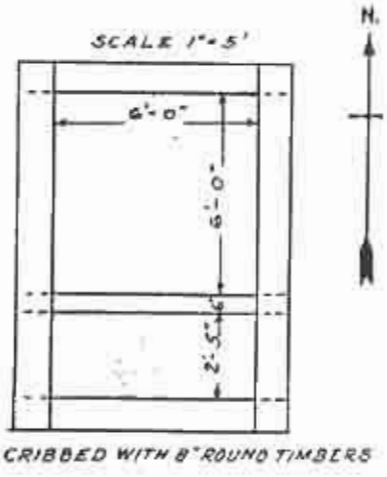
2- Ingersoll-Rand, duplex 2 stage belt driven by 150 H.P. motors 750 cfm.

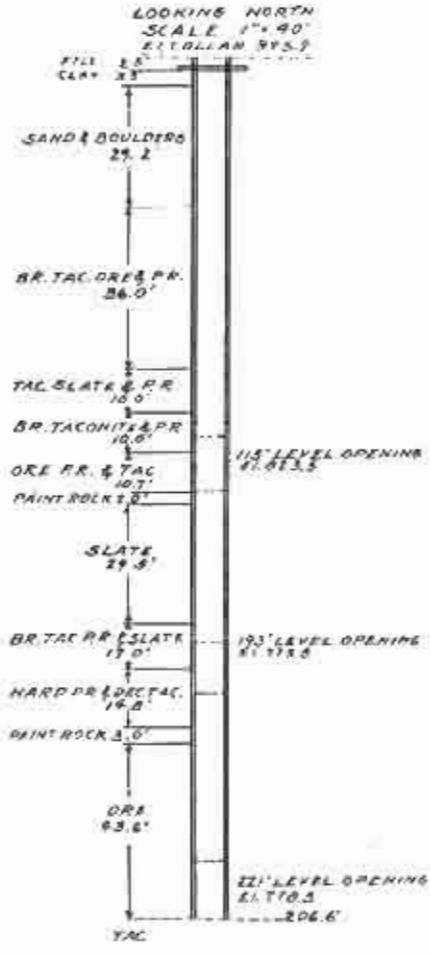
PUMPS

1- Allis Chalmers horizontal centrifugal 225 gpm.

(C.S.

GODFREY MINE NO.1 TIMBER SHAFT





GENERAL DESCRIPTION

Location N.E. of N.E. Sec. 32-58-20 Coordinates: 2879.98 S.-599.85 W.

Elevation of collar above Lake Superior ..... 925.20 ft.

Inside Measurements	Distance between Wall Plates	6'0"
	" " End Pieces	8'11"
Sizes of Timbers used	Wall Plates	12"x12"
	End Pieces	12"x12"
	Dividings	6"x6"
	Studdles	12"x12"

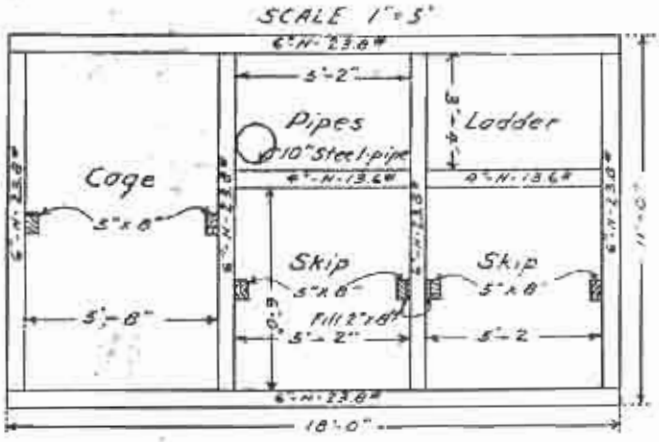
Shaft started ... Aug. 7, 1927 Finished Dec. 31, 1927

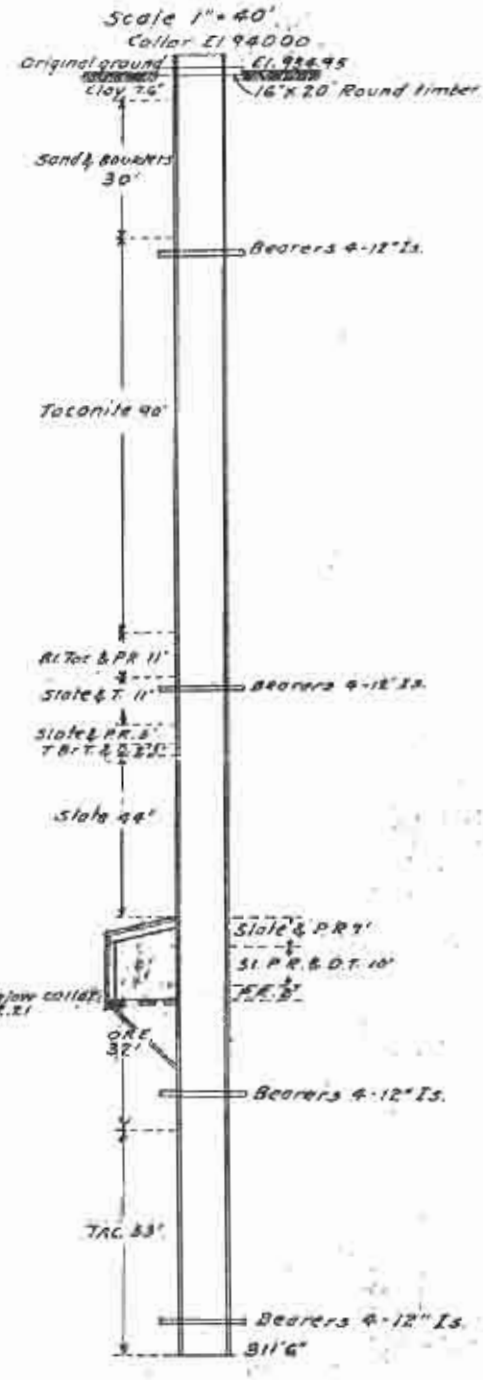
Bottom of Shaft in Taconite

1929

GODFREY MINE No. 1 SHAFT

N.E. ¼ OF N.E. ¼ SEC. 32-58-20



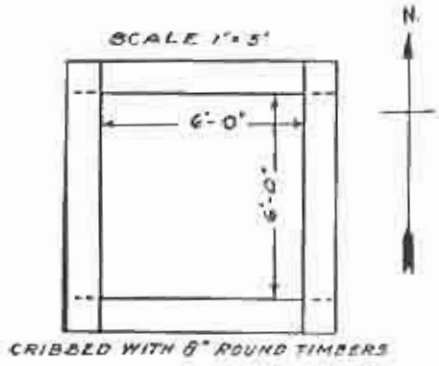


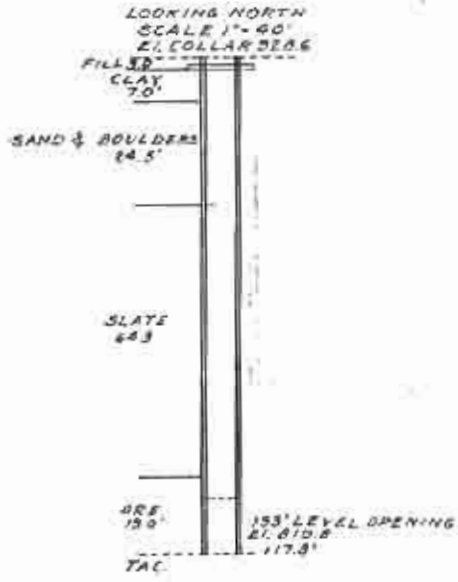
Note: Shaft first 51' lined with temporary wood sets and inter-lined with 6"-H steel dividers and 4"-H-sub-dividers with reinforced poured concrete walls. Lower section steel sets with concrete slabs.
Location of Shaft N.E. of N.E. 32-58-20
Coordinates 367.00 S. and 725 W.

p-1.

2.1927. 6/1/29

GODFREY MINE NO.2 TIMBER SHAFT





GENERAL DESCRIPTION

Location S.E. of S.E. Sec. 29-58-20 Coordinates 2159.78 S.-656.36 W.

Elevation of Collar above Lake Superior ..... 928.60 ft

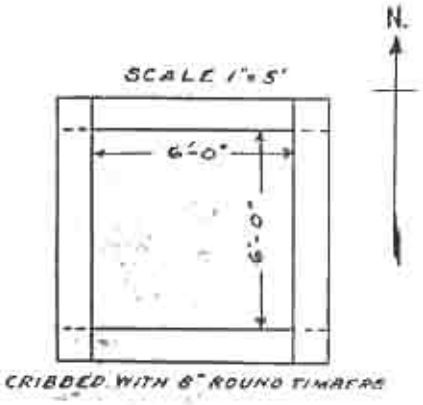
Inside Measurements	Distance between Wall Plates	6'0"
	" " End Pieces	6'0"
Sizes of Timbers used	Wall Plates	12"x12"
	End Pieces	12"x12"
	Dividings	
	Studdles	12"x12"

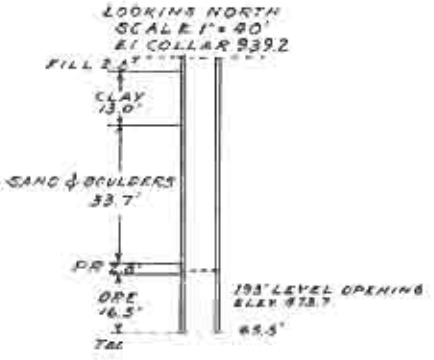
Shaft started Oct. 3-1927 Finished Sept. 2-1928

Bottom of Shaft in Taconite

-1-1929

ODFREY MINE NO.3 TIMBER SHAFT





GENERAL DESCRIPTION

Location S. E. of S. E. Sec. 29-58-20 Coördinates 1474.82 S.-560.00 W.

Elevation of collar above Lake Superior ..... 939.2 ft.

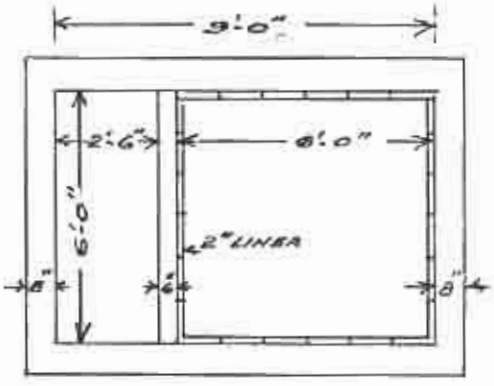
Inside Measurements	Distance between Wall Plates	6'0"
	" " End Pieces	6'0"
Sizes of Timbers used	Wall Plates	12"x12"
	End Pieces	12"x12"
	Dividings	
	Studdles	12"x12"

Shaft started... Dec. 2-1927 Finished... May 25-1929

Bottom of shaft in Taconite

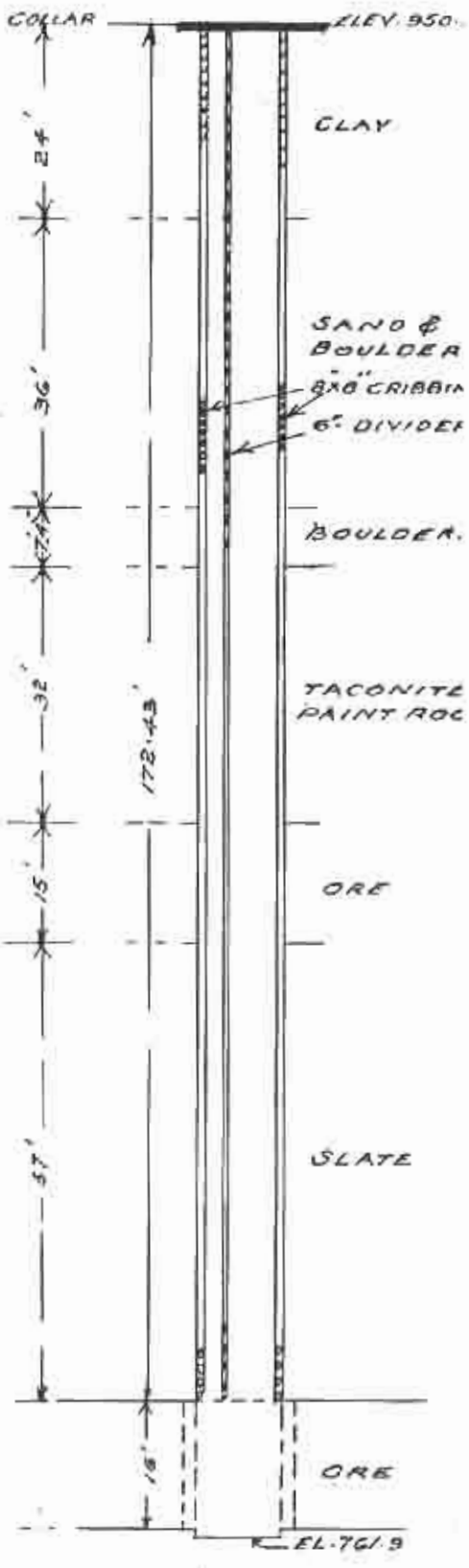
June 1929
15764
1929

ODFREY MINE NO.4. TIMBER SHAFT



Scale - 1/4" = 1'

SECTION LOOKING WEST

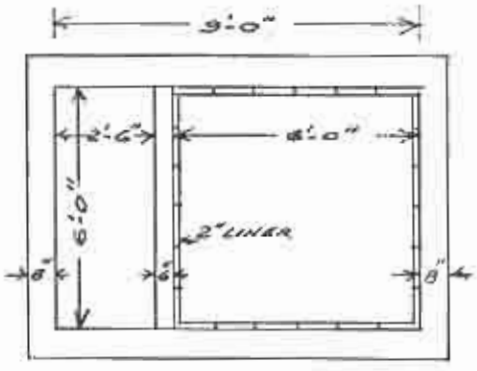


Scale - 1" = 20'

:ation - N.W. N.E. SEC. 32 - 58 - 20.
v. of Collar - 950.33 - Lake Superior Datum
asurements taken from top of Collar.
nensions - 6'x9' inside of Cribbing
ibbing 8"x8" - Dividers 6" Liners - 2".

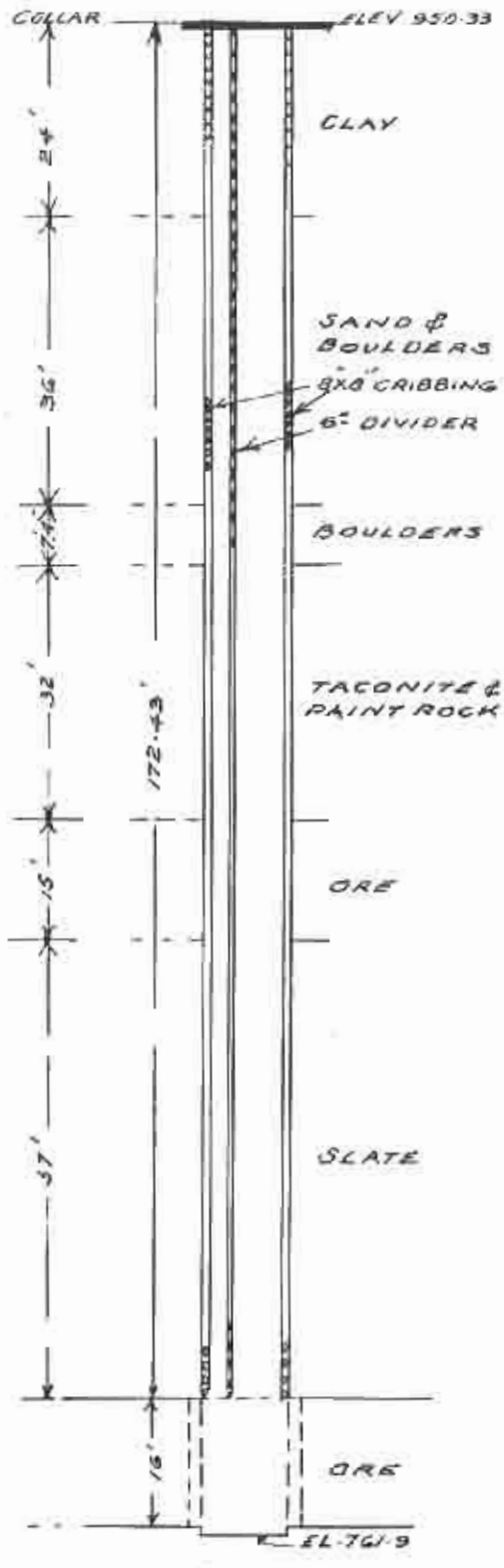
CLEVELAND-CLIFFS IRON MINING CO.
Mining Engineering Dept.
Date Nov. 1983
No. 22843
Scale
Drawn Shaft Records

GODFREY MINE NO.4. TIMBER SHAFT



Scale- 1/4" = 1'

SECTION LOOKING WEST

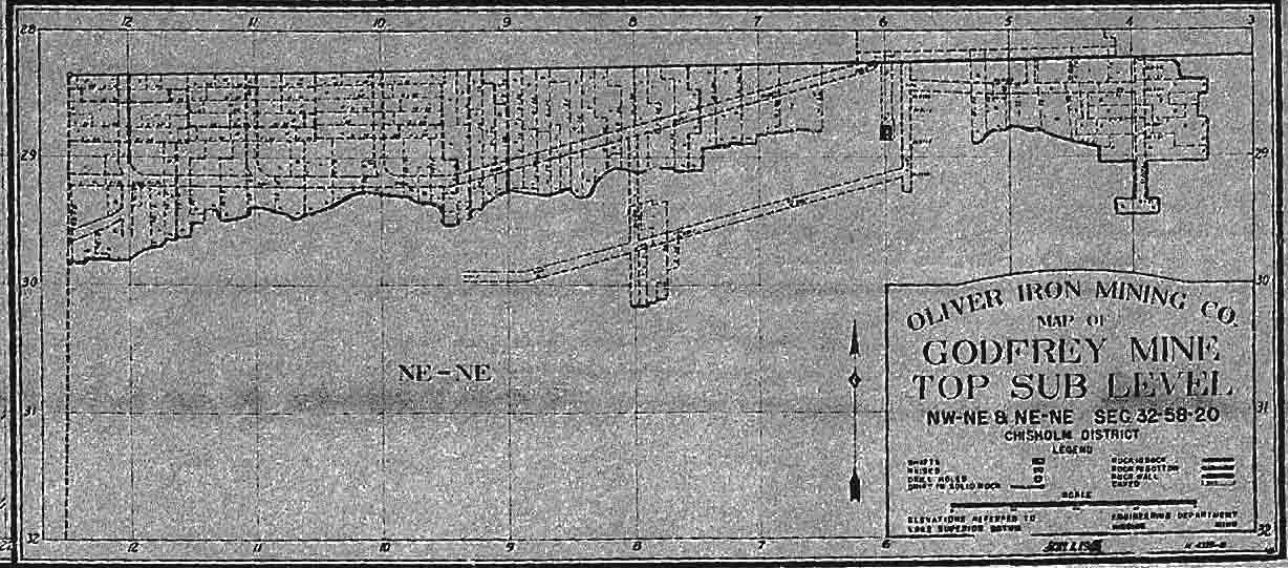


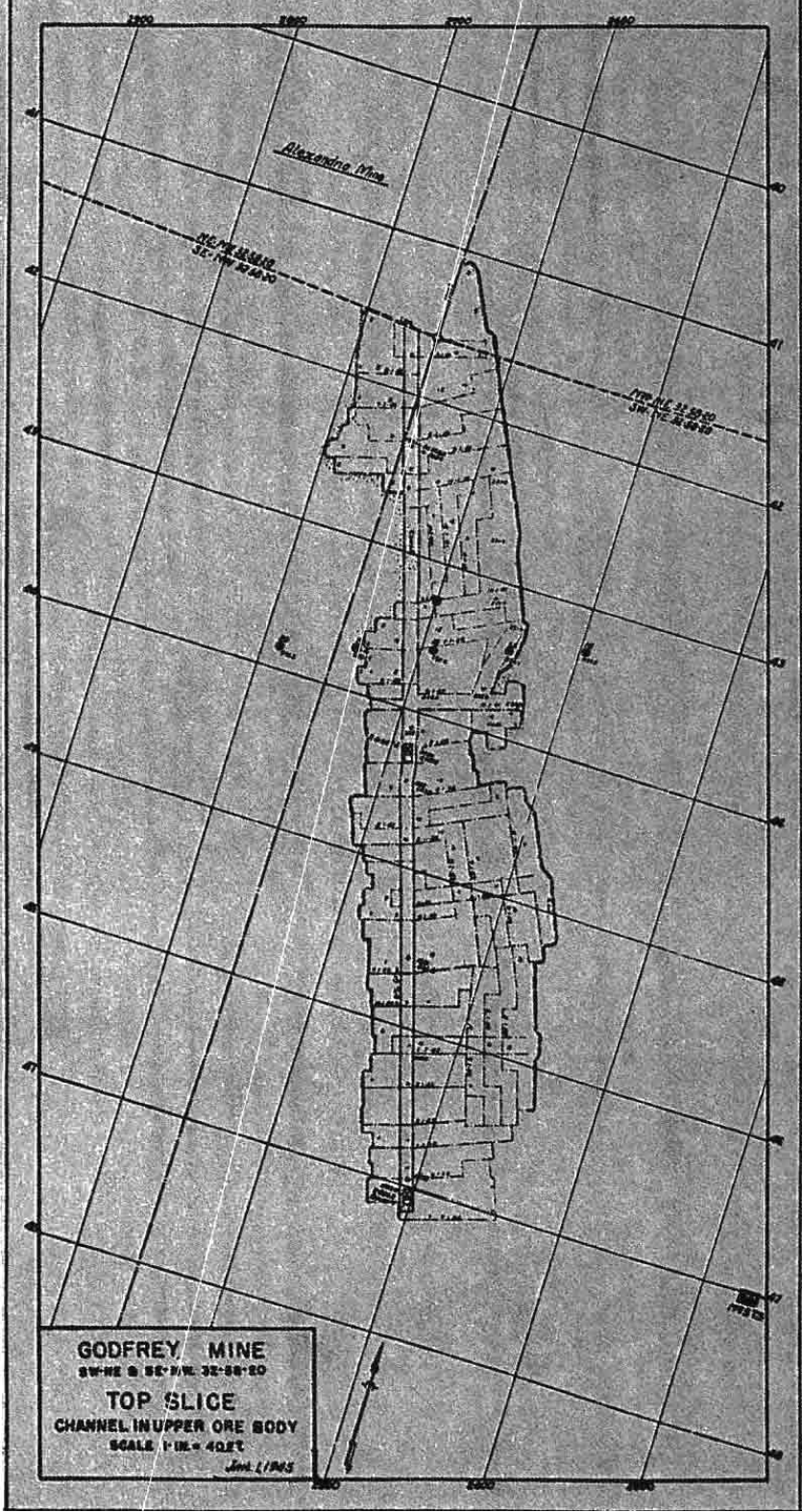
Scale- 1" = 20'

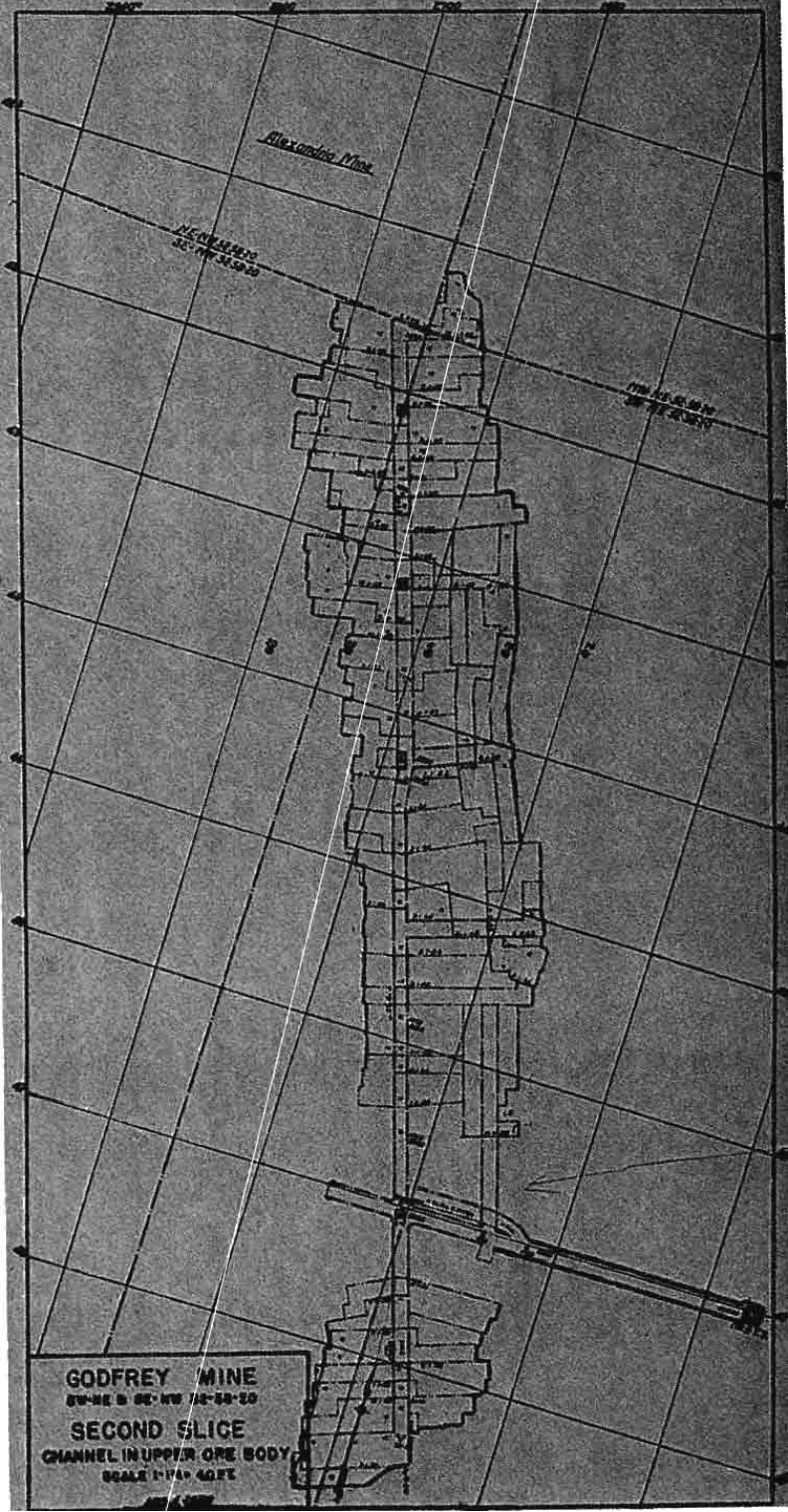
ocation - N.W.N.E. SEC. 32-58-20.
lev. of collar - 950.33 - Lake Superior Datum
easurements taken from top of collar.
imensions - 6'x9' inside of Cribbing.
ribbing 8"x8" - Dividers 6" Liners 2".

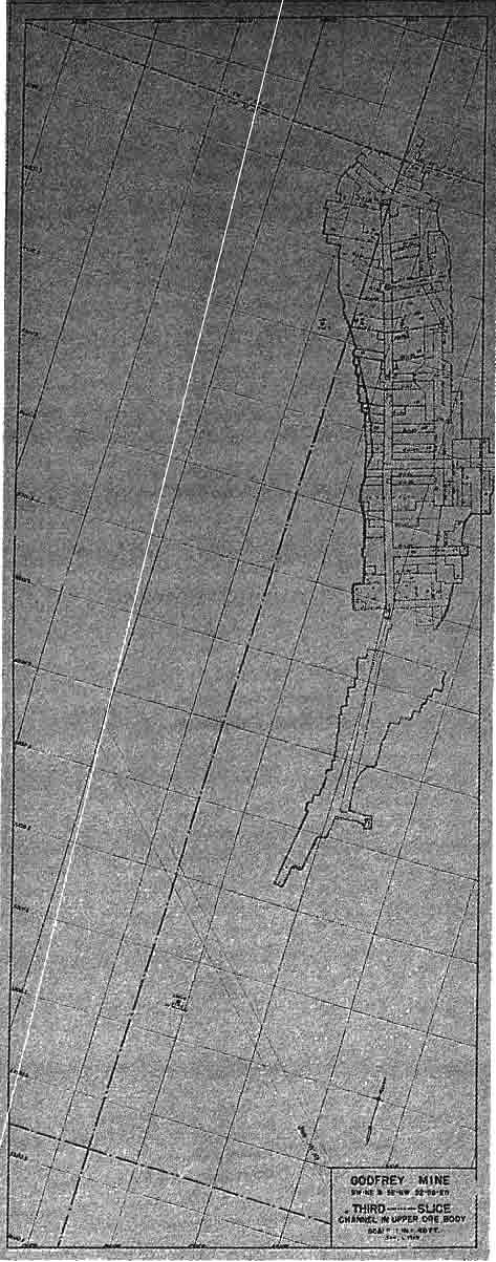
CLEVELAND-CLIFFS IRON MINING CO.
Mining Engineering Dept.
Date Nov. 1963
No. 22843
Case VIII
Shaft Records
1/48

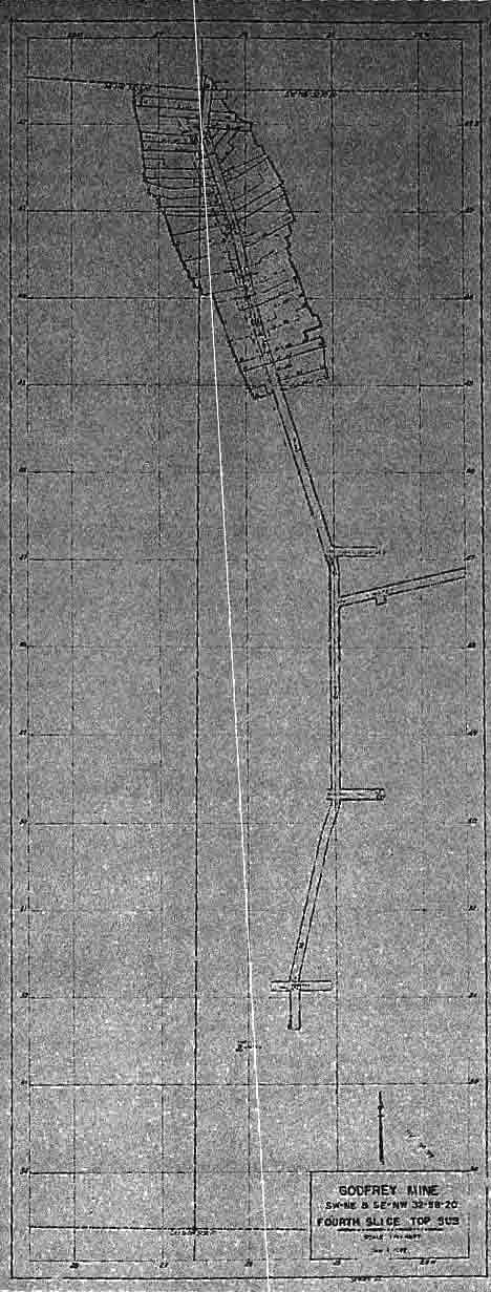
R.E.

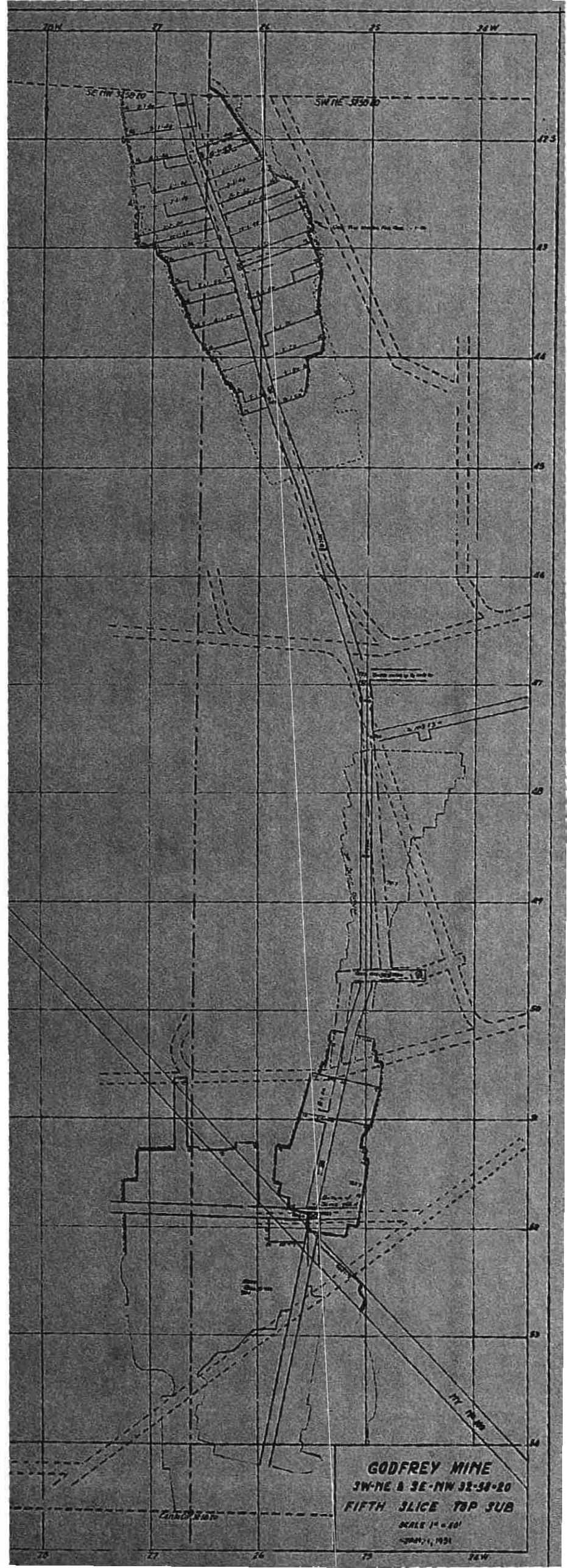

OLIVER IRON MINING CO.
MAP OF
GODFREY MINE
TOP SUB LEVEL
NW-NE & NE-NE SEC. 32-58-20
CHISHOLM DISTRICT
LEGEND
SHAFTS
RAISES
DRILL HOLES
SHAFT IN SOLID ROCK
ROCK IN BACK
ROCK IN BOTTOM
ROCK FILL
CAVED
SCALE
ELEVATIONS REFERRED TO
1942 SUPERIOR DATUM
ENGINEERING DEPARTMENT
NE-NE
12
11
10
9
8
7
6
5
4
3
28
29
30
31
32

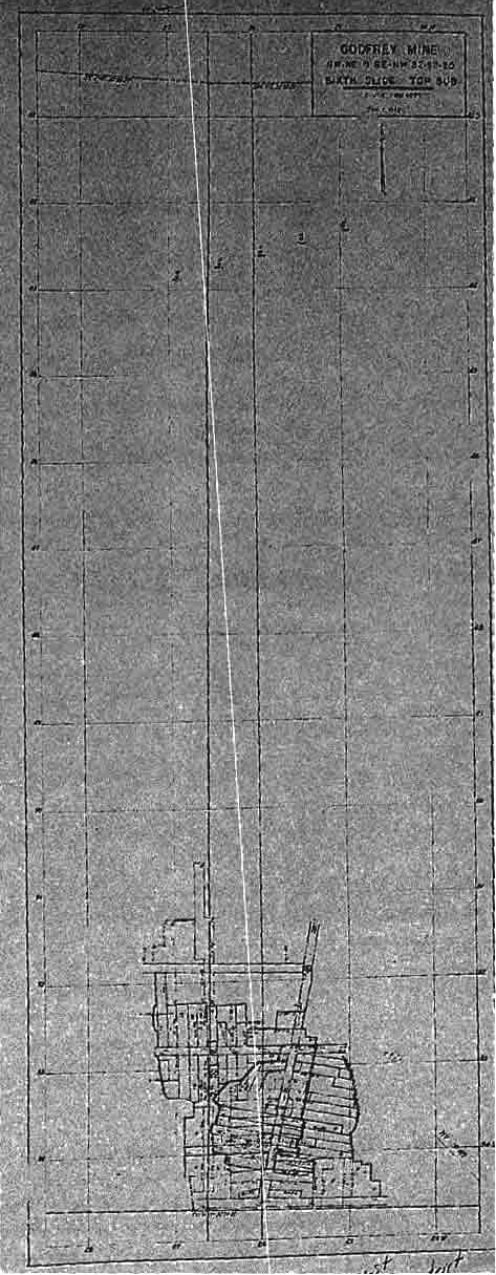

Alexandra Mine
GODFREY MINE
SW-NE & SE-NW 32-58-20
TOP SLICE
CHANNEL IN UPPER ORE BODY
SCALE 1 IN = 40 FT
Jan. 1/1945

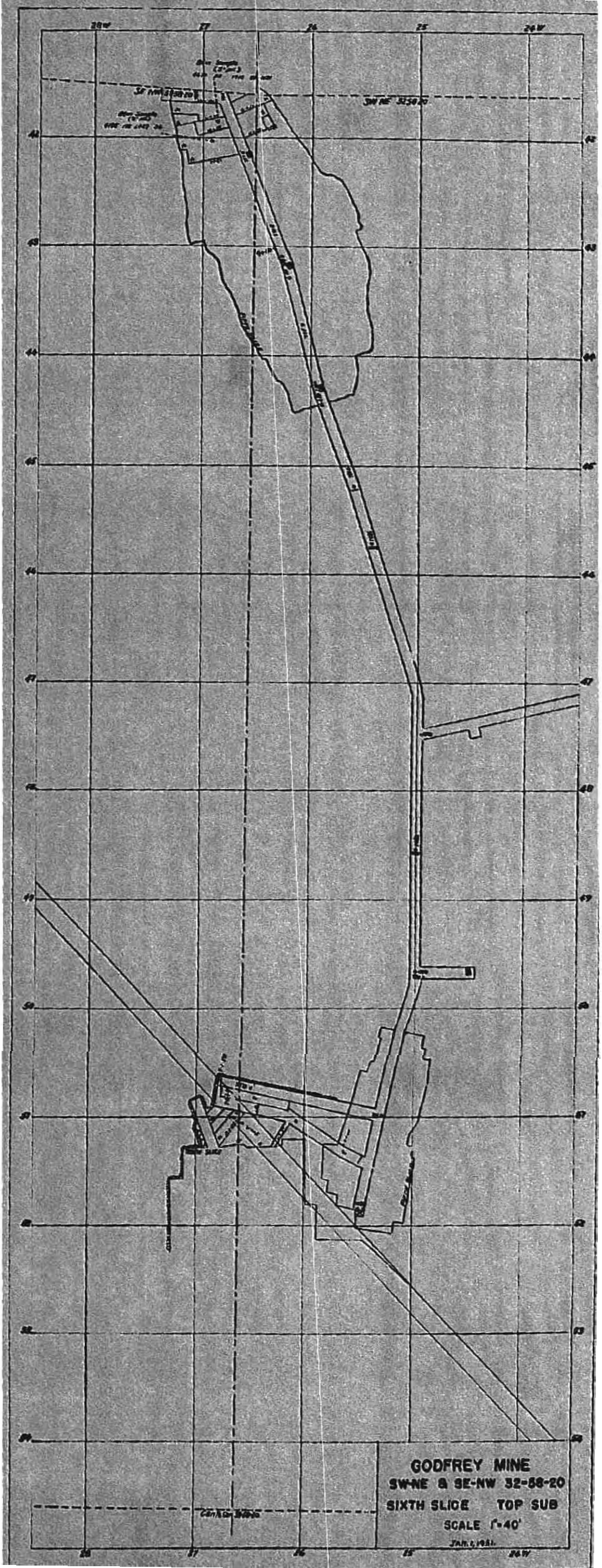
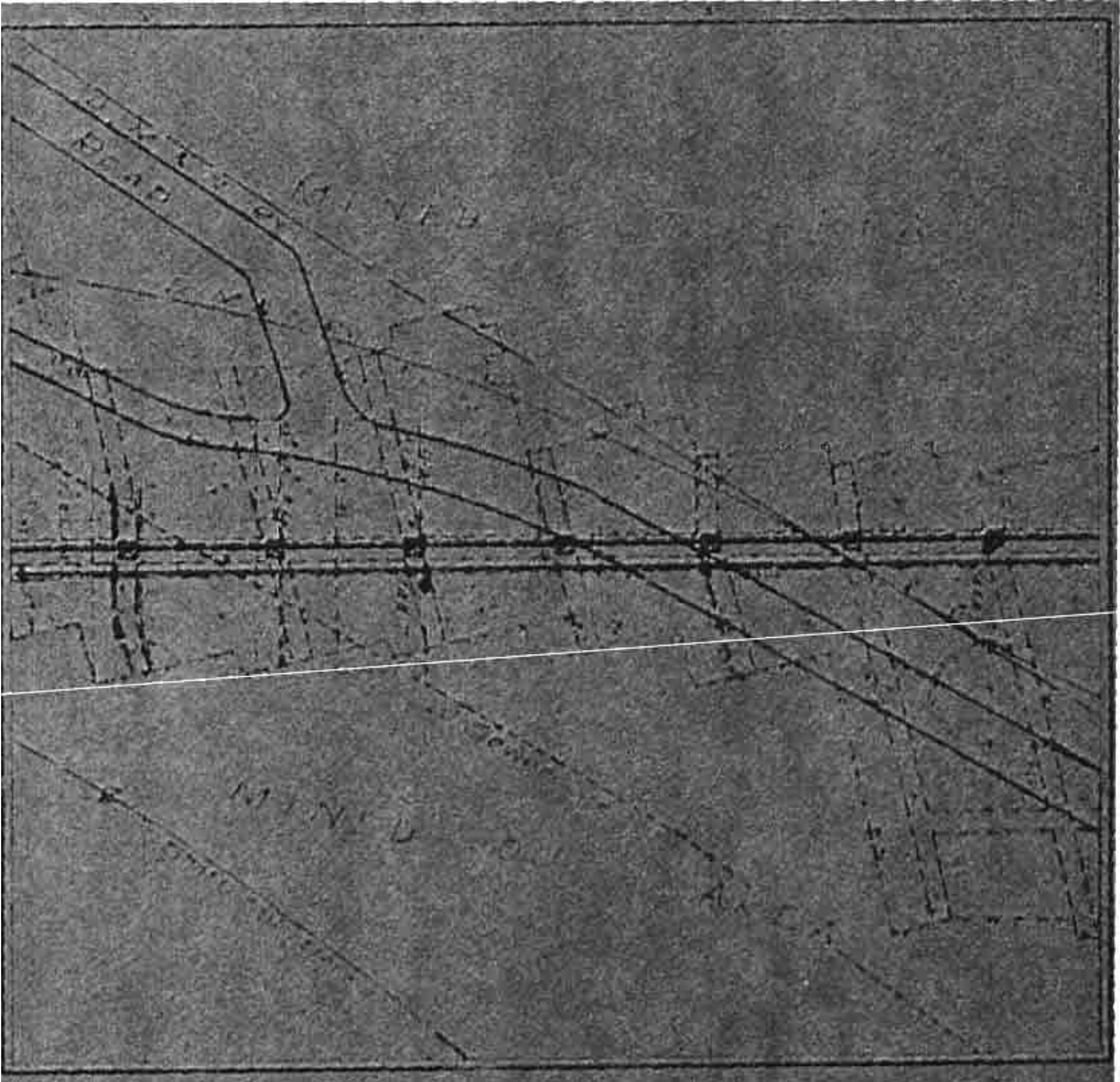

Alexandria Mine
GODFREY MINE
SECOND SLICE
CHANNEL IN UPPER ORE BODY


GODFREY MINE
THIRD SLICE
CHANNEL IN UPPER ORE BODY


GODFREY MINE
SW-NE & SE-NW 32-58-20
FOURTH SLICE TOP SUB


GODFREY MINE
SW-NE & SE-NW 32-38-20
FIFTH SLICE TOP SUB
SCALE 1" = 40'


GODFREY MINE
SIXTH SLICE TOP SUB


GODFREY MINE
SW-NE & SE-NW 32-58-20
SIXTH SLICE TOP SUB
SCALE 1"=40'