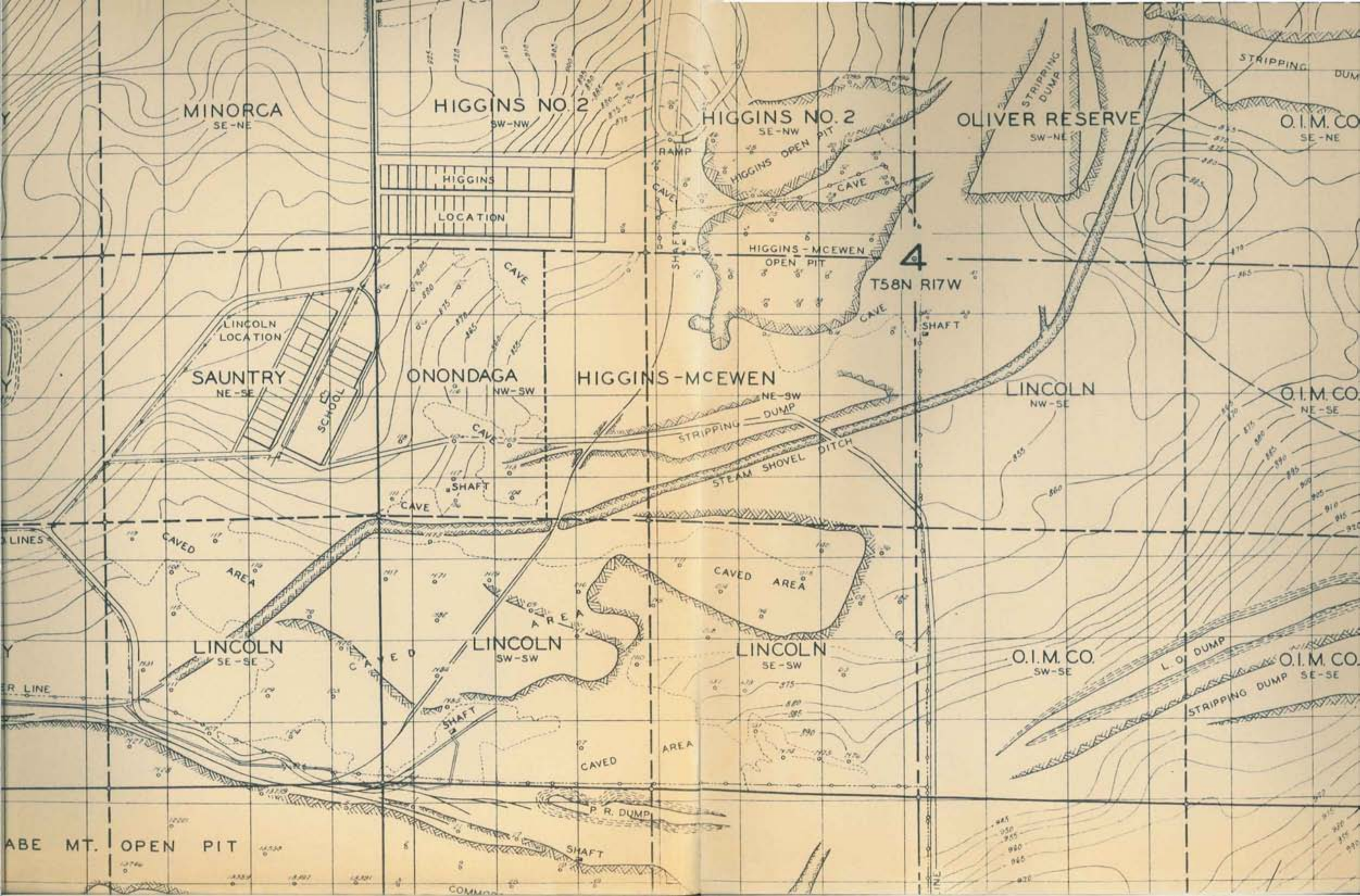
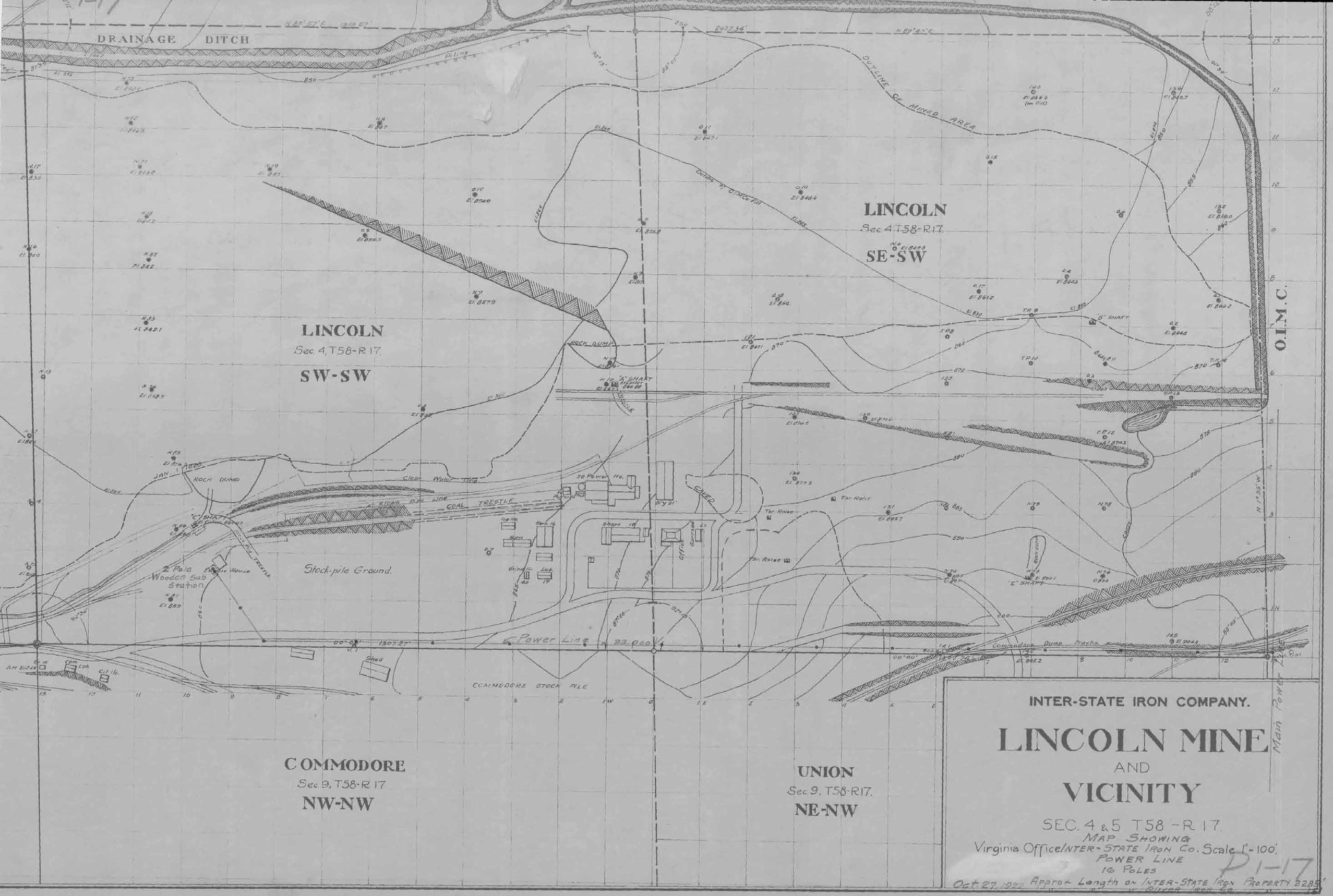
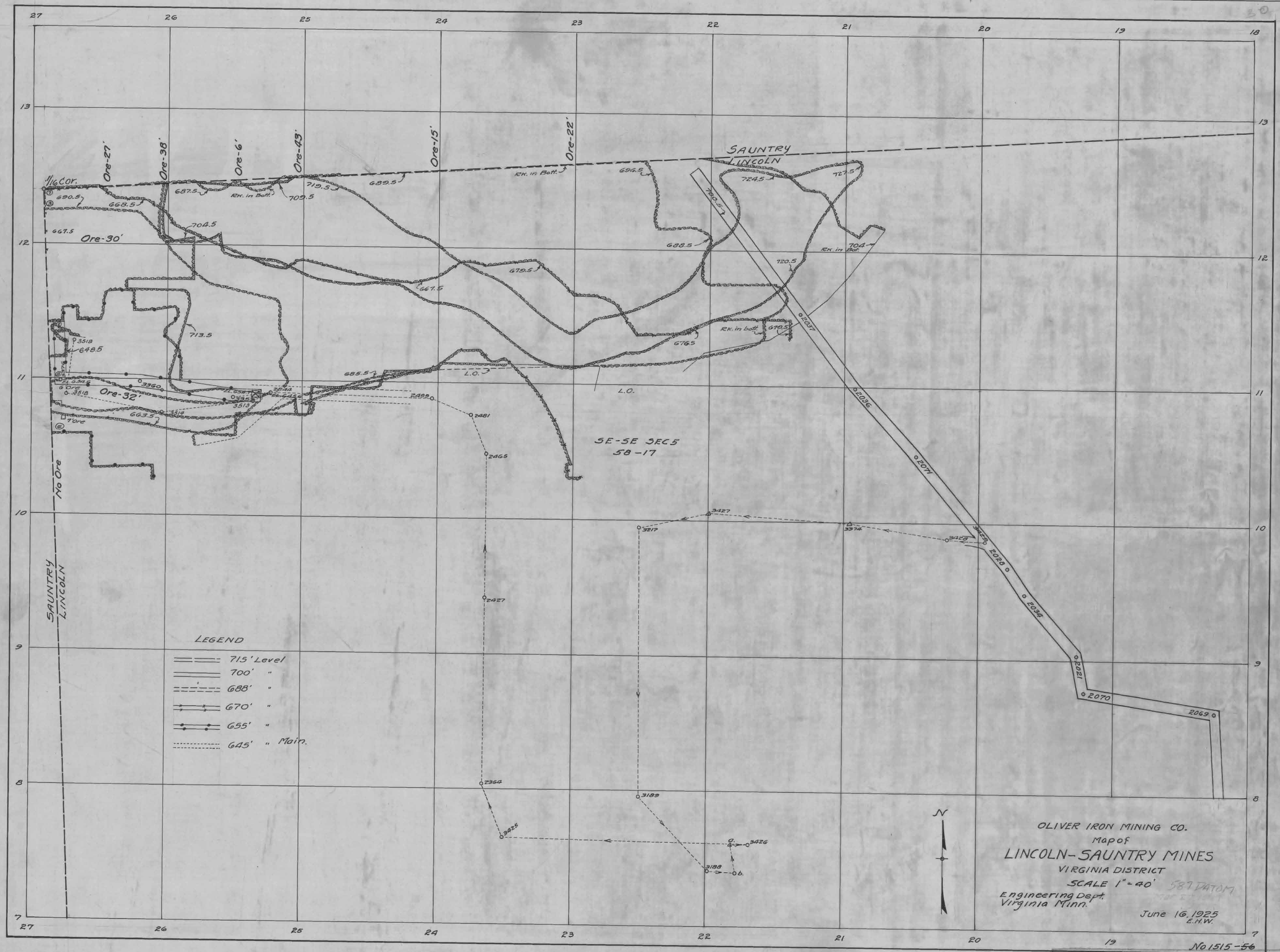
LOADING RAMP
HIGGINS-McEWEN OPEN PIT
T58N R17W
LINCOLN LOCATION
SAUNTRY
NE-SE
ONONDAGA
NW-SW
McEWEN
McEWEN
NE-SW
LINCOLN
NW-SE
STRIPPING DUMP
STEAM SHOVEL DITCH
STRIPPING DUMP
SHAFT
CAVE
LINES
CAVED AREA
CAVED AREA
TAILINGS POND
STRIPPING DUMP
LINCOLN
SE-SE
LINCOLN
SW-SW
LINCOLN
SE-SW
O.I.M. CO.
SE-SE
CONCENTRATOR
SHOPS
OFFICE
FAC. DUMP
I.M. P.&L. CO.
LEACH DUMP
STRIPPING
ABE MT. OPEN PIT
ROCK
COMMODORE OPEN PIT
MT.
MISSABE MT.
NE-SE
COMMODORE
NW-NW
UNION
NE-NW
WYOMING
NW-NE
WYOMING PIT


MINORCA
SE-NE
HIGGINS NO. 2
SW-NW
HIGGINS
LOCATION
HIGGINS NO. 2
SE-NW
RAMP
HIGGINS OPEN PIT
CAVE
SHAFT
HIGGINS-MCEWEN
OPEN PIT
4
T58N R17W
OLIVER RESERVE
SW-NE
STRIPPING DUMP
STRIPPING
O.I.M. CO.
SE-NE
LINCOLN
LOCATION
SAUNTRY
NE-SE
SCHOOL
ONONDAGA
NW-SW
HIGGINS-MCEWEN
NE-SW
STRIPPING DUMP
STEAM SHOVEL DITCH
LINCOLN
NW-SE
O.I.M. CO.
NE-SE
CAVED AREA
LINCOLN
SE-SE
LINCOLN
SW-SW
LINCOLN
SE-SW
O.I.M. CO.
SW-SE
L. O. DUMP
O.I.M. CO.
STRIPPING DUMP SE-SE
P. R. DUMP
ABE MT. OPEN PIT

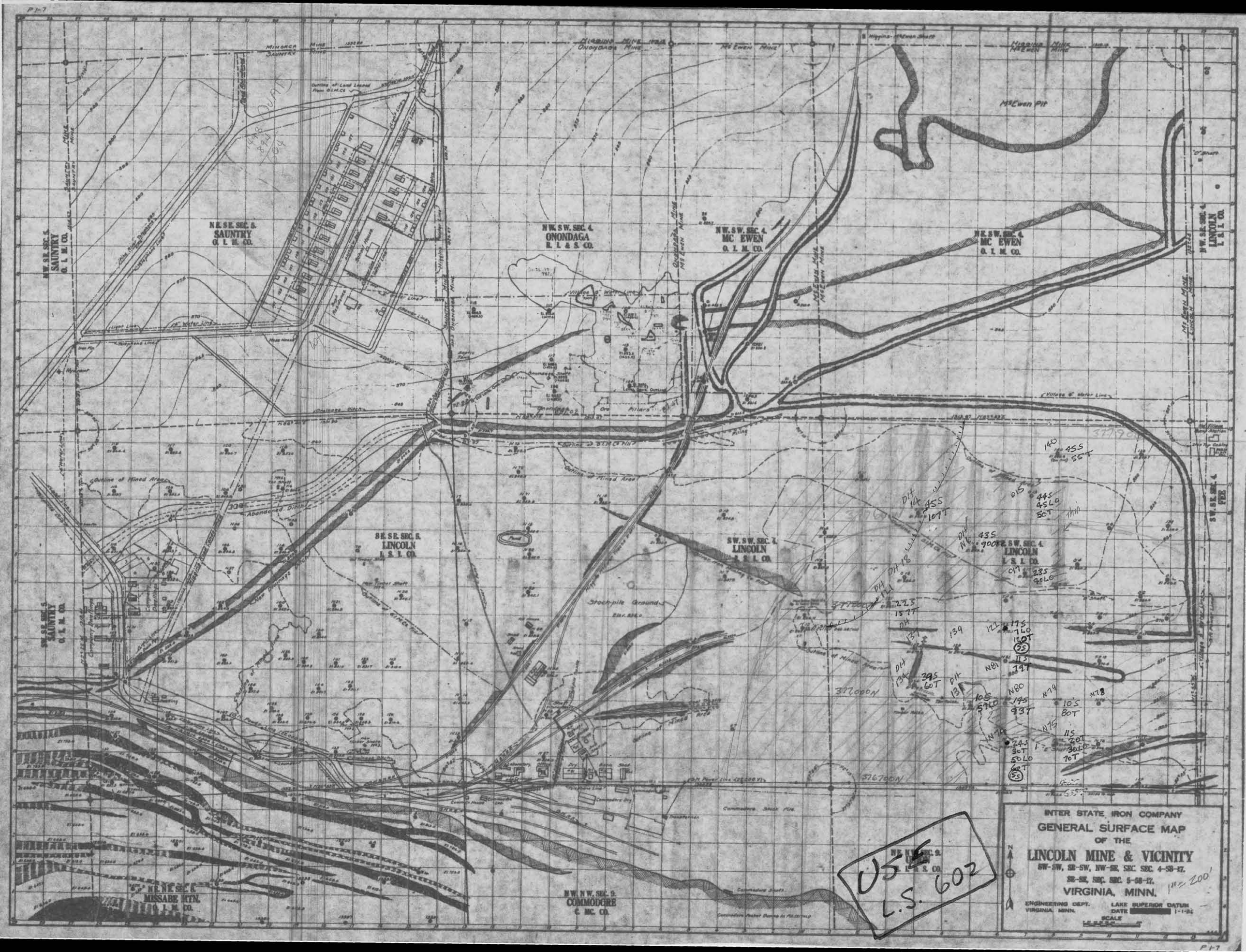
HIGGINS OPEN PIT
McEWEN OPEN PIT
T58N R17W
4
CITY
POWER LINE
SAUNTRY NW-SE
SAUNTRY NE-SE
ONONDAGA NW-SW
MC EWEN
MC EWEN NE-SW
SHAFT
CAVED AREA
LINCOLN OPEN
STRIP DUMP
O.I.M. DIV. TRACKS
DITCH
STRIPPING DUMP
CAVED AREA
TAILING BASIN
SAUNTRY SW-SE
LINCOLN SE-SE
LINCOLN SW-SW
LINCOLN SE-SW
POWER & BELL TEL. CO. LINES
G.N. RY.
N.W. BELL TEL. CO. LINE
COLUMBIA CONCENTRATOR
ROCK DUMP
ROCK
MISSABE MT. OPEN PIT
COMMODORE OPEN PIT
MISSABE MT. NW-NE
MISSABE MT. NE-NE
COMMODORE NW-NW
UNION NE-NW
L.O.
TAC.

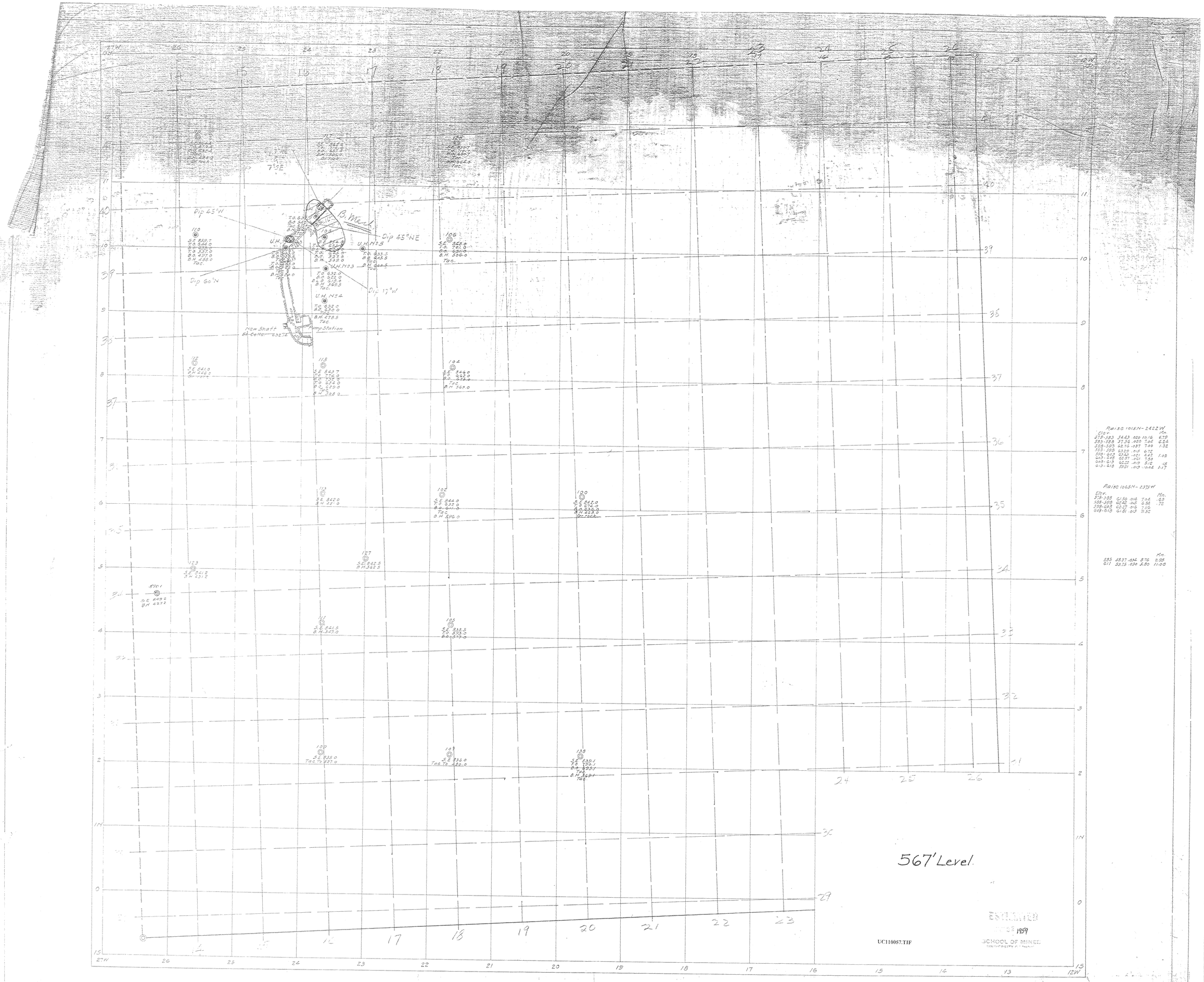

DRAINAGE DITCH
OUTLINE OF MINED AREA
LINCOLN
Sec. 4, T58-R17
SE-SW
LINCOLN
Sec. 4, T58-R17
SW-SW
ROCK DUMP
"A" SHAFT
"B" SHAFT
"E" SHAFT
O.I.M.C.
Clear Water Tank
Steam Pipe Line
COAL TRESTLE
Stock-pile Ground.
2 Pole Wooden Sub Station
Power Line
Shops
Office
Garage
Tar Raise
Commodore Dump Tracks
COMMODORE STOCK PILE
Shed
Main Power Line
COMMODORE
Sec. 9, T58-R17
NW-NW
UNION
Sec. 9, T58-R17
NE-NW
INTER-STATE IRON COMPANY.
LINCOLN MINE
AND
VICINITY
SEC. 4 & 5 T58 - R17.
MAP SHOWING
Virginia Office/INTER-STATE IRON Co. Scale 1"-100'
POWER LINE
16 POLES
Oct. 27, 1922 Approx. Length on INTER-STATE IRON PROPERTY 2285'
P1-17
2006-0074
1523-3.



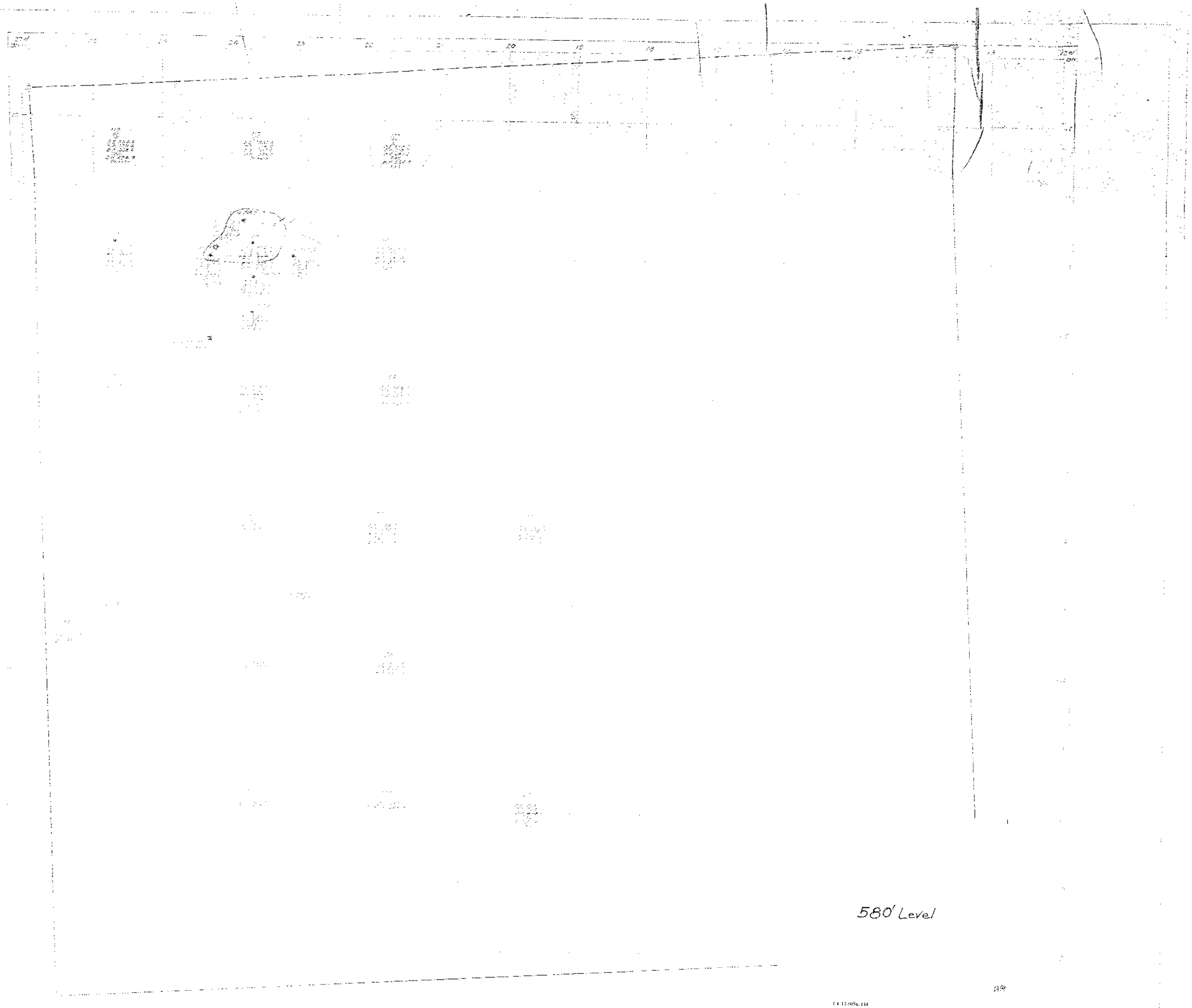
NO. 1515 CASE 1 DWR 40 CPT. 2 FILE 20

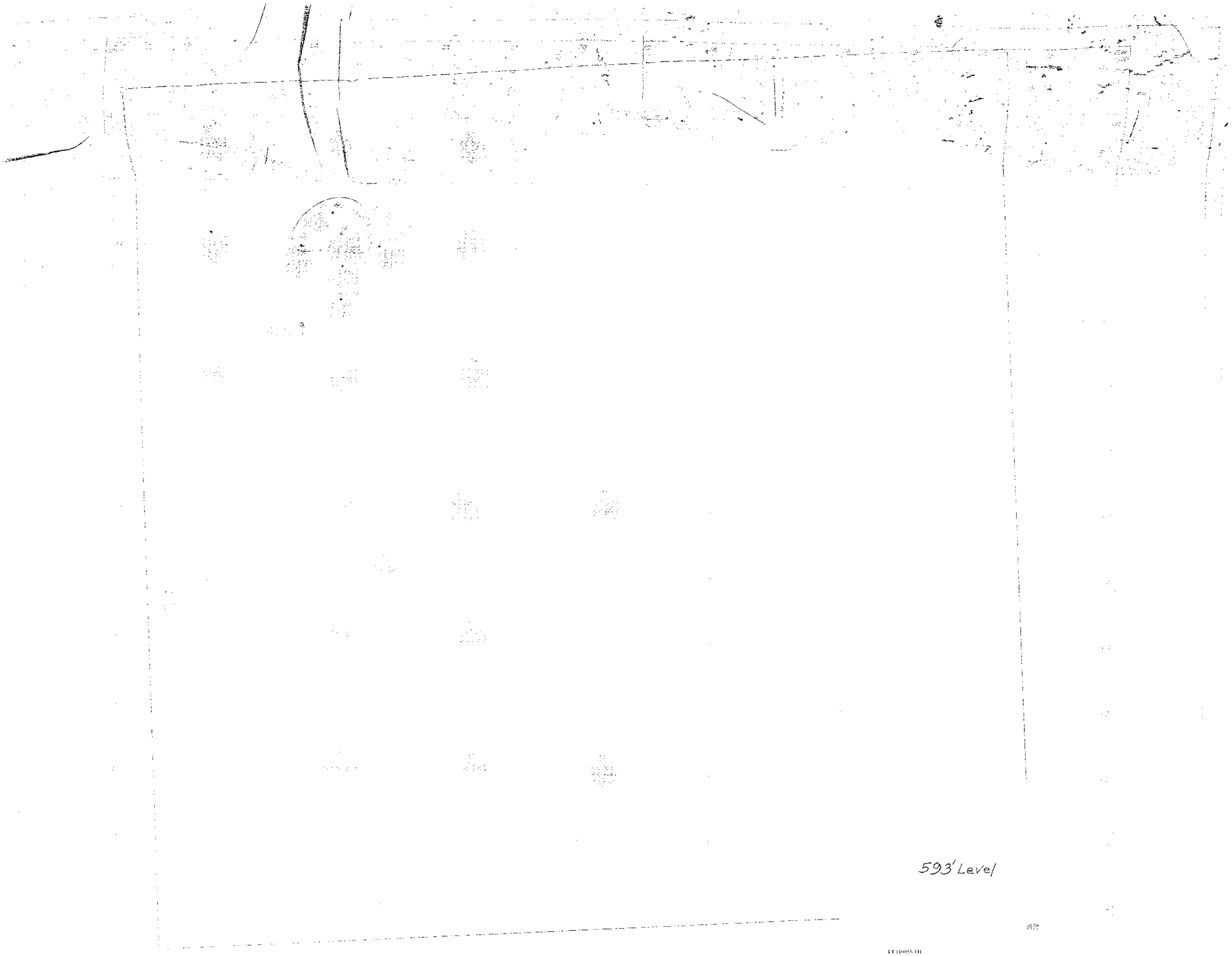
OLIVER IRON MINING CO.
TOPOGRAPHIC MAP OF
VIRGINIA DISTRICT
MESABI RANGE
VIRGINIA LAKE
SILVER LAKE

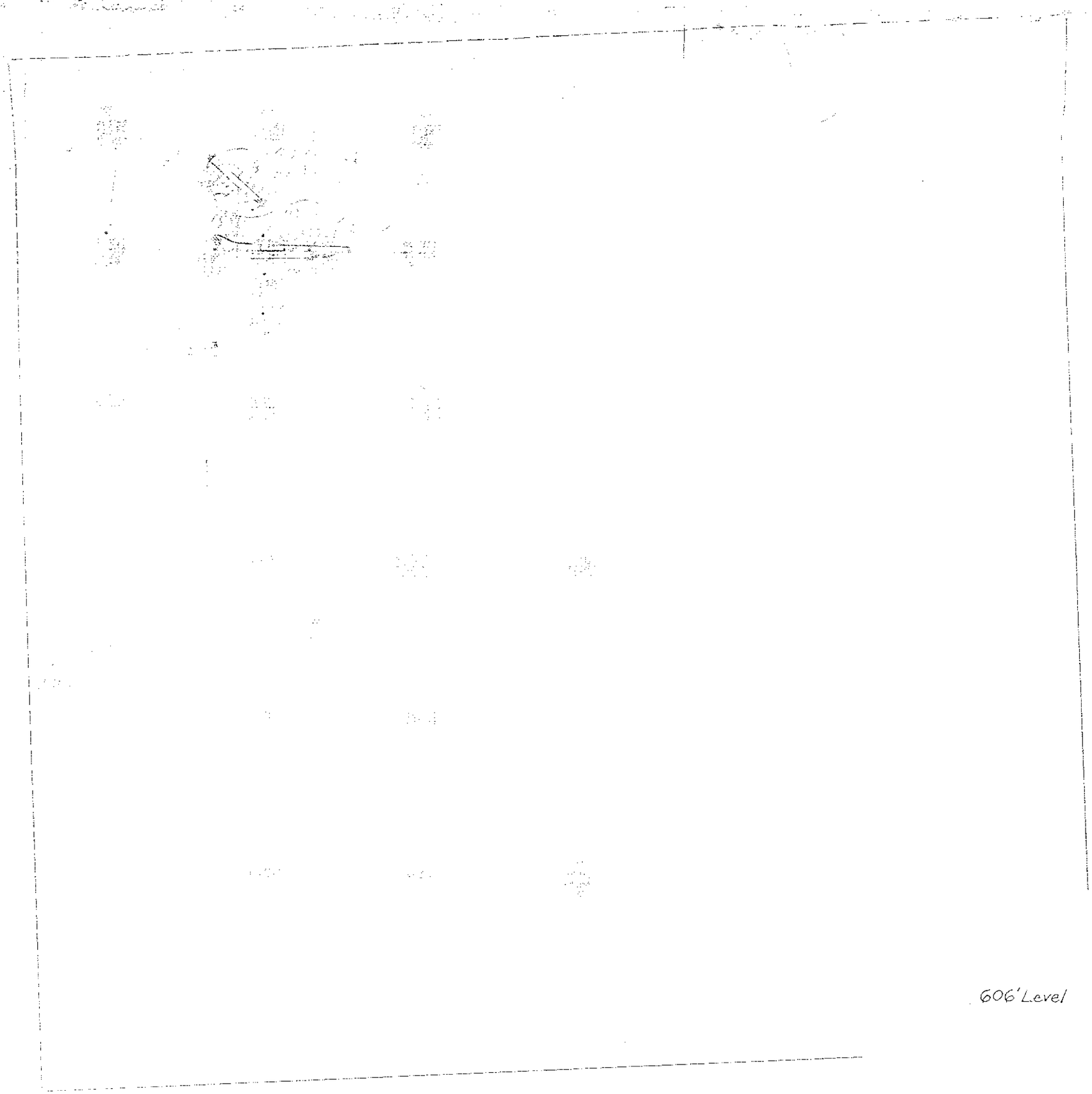

INTER STATE IRON COMPANY
GENERAL SURFACE MAP
OF THE
LINCOLN MINE & VICINITY
SW-SW, SE-SW, NW-SE, SEC. SEC. 4-58-17.
SE-SE, SEC. SEC. 5-58-17.
VIRGINIA, MINN.
1" = 200'
ENGINEERING DEPT.
VIRGINIA, MINN.
LAKE SUPERIOR DATUM
DATE 1-1-24
SCALE
N
NW. SE. SEC. 5.
SAUNTRY
O. I. M. CO.
NE. SE. SEC. 5.
SAUNTRY
O. I. M. CO.
NW. SW. SEC. 4.
ONONDAGA
E. I. & S. CO.
NW. SW. SEC. 4.
MC EWEN
O. I. M. CO.
NE. SW. SEC. 4.
MC EWEN
O. I. M. CO.
NW. SE. SEC. 4.
LINCOLN
I. S. I. CO.
SW. SE. SEC. 5.
SAUNTRY
O. I. M. CO.
SE. SE. SEC. 5.
LINCOLN
I. S. I. CO.
SW. SW. SEC. 4.
LINCOLN
I. S. I. CO.
SE. SW. SEC. 4.
LINCOLN
I. S. I. CO.
SW. SE. SEC. 4.
FEE
NE. NE. SEC. 8.
MISSABE MTN.
O. I. M. CO.
NW. NW. SEC. 9.
COMMODORE
C. MC. CO.
NE. NW. SEC. 9.
I. S. I. CO.
McEwen Pit
McEwen Mine
Onondaga Mine
Sauntry Mine
Minnesota Mine
Hippins-McEwen Shaft
Outline of Mined Area
Abandoned Dinkey
Stockpile Ground
Commodore Stock Pile
Commodore Shaft
Commodore Pocket Dump to Pit Below
Ore Pillars
Village 8" Water Line
Outline of Land Leased From O.I.M.Co.
Hoist House
Dry
Barn
Shed
Laboratory
Cement Foundation
Power Line (12,000 V.)
Pond
Filing
Dump
377000N
376700N
U.S. L.S. 602

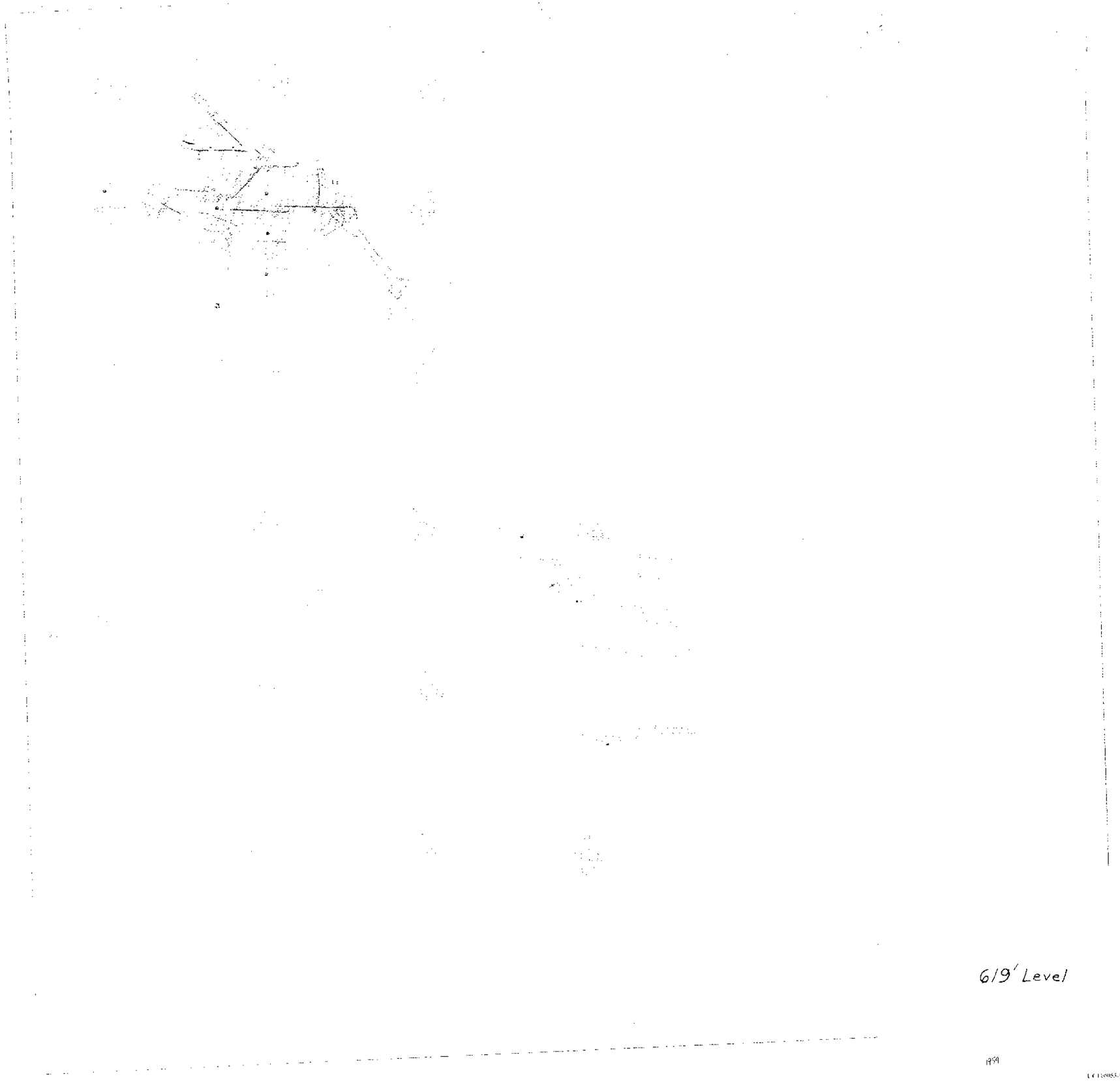

567' Level.
Dip 45°N
Dip 45°NE
Dip 60°N
Dip 17°W
B. Mark
U.H. N25
U.H. N23
U.H. N24
New Shaft
Pump Station
Raise 1015N-2422W
Raise 1065N-2375W
UC110057.TIF
1959
SCHOOL OF MINES

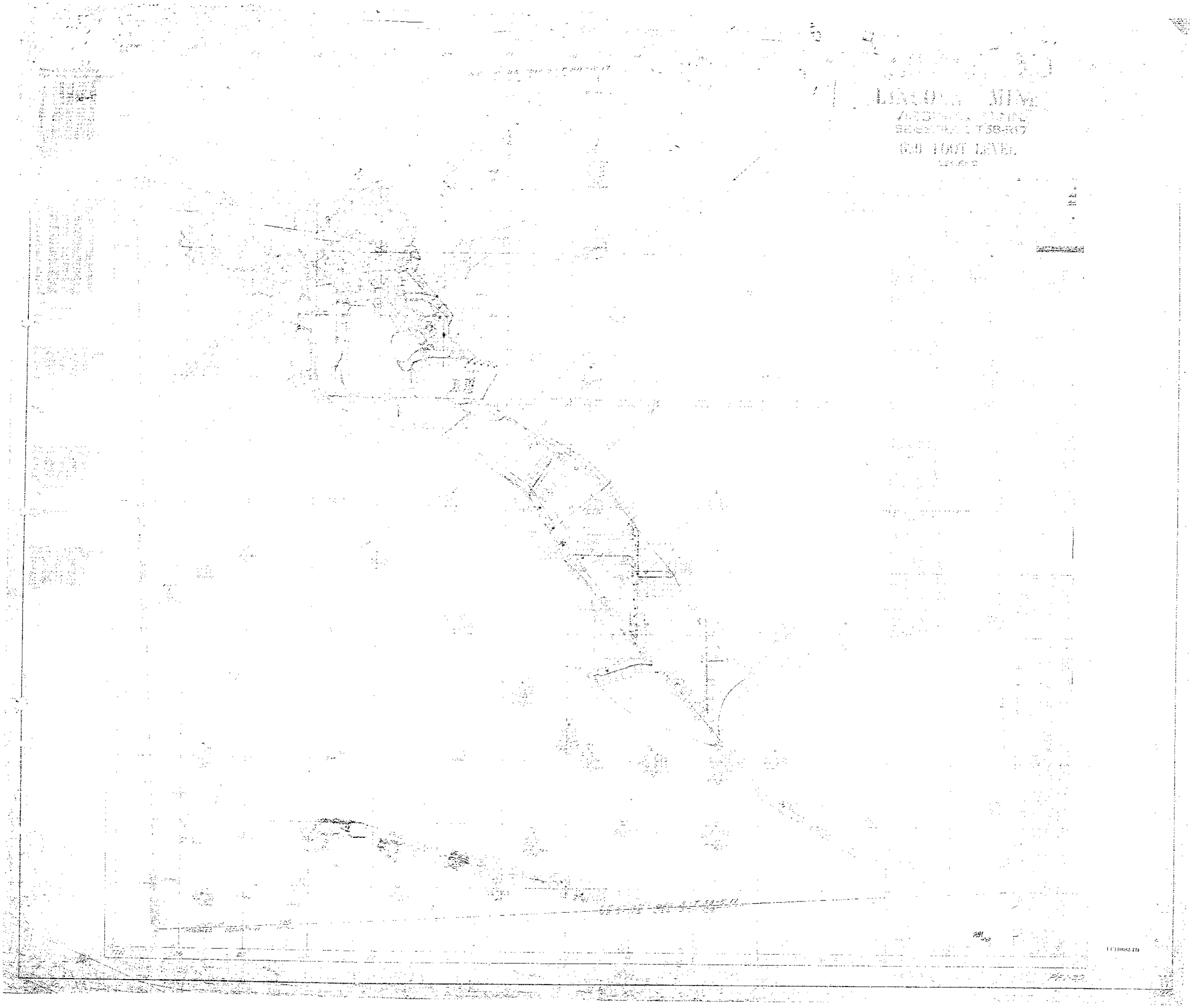
P-1-72

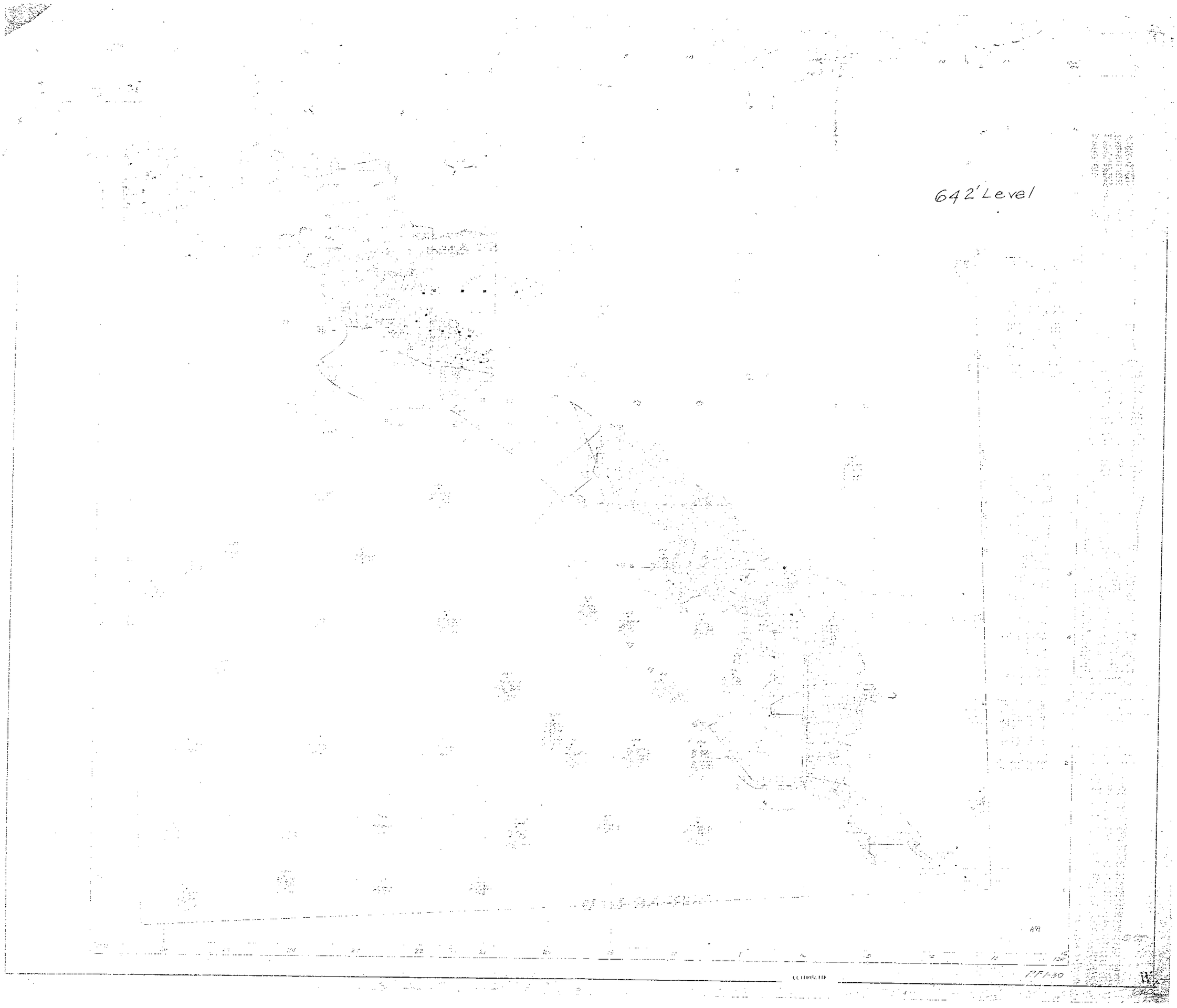

580' Level

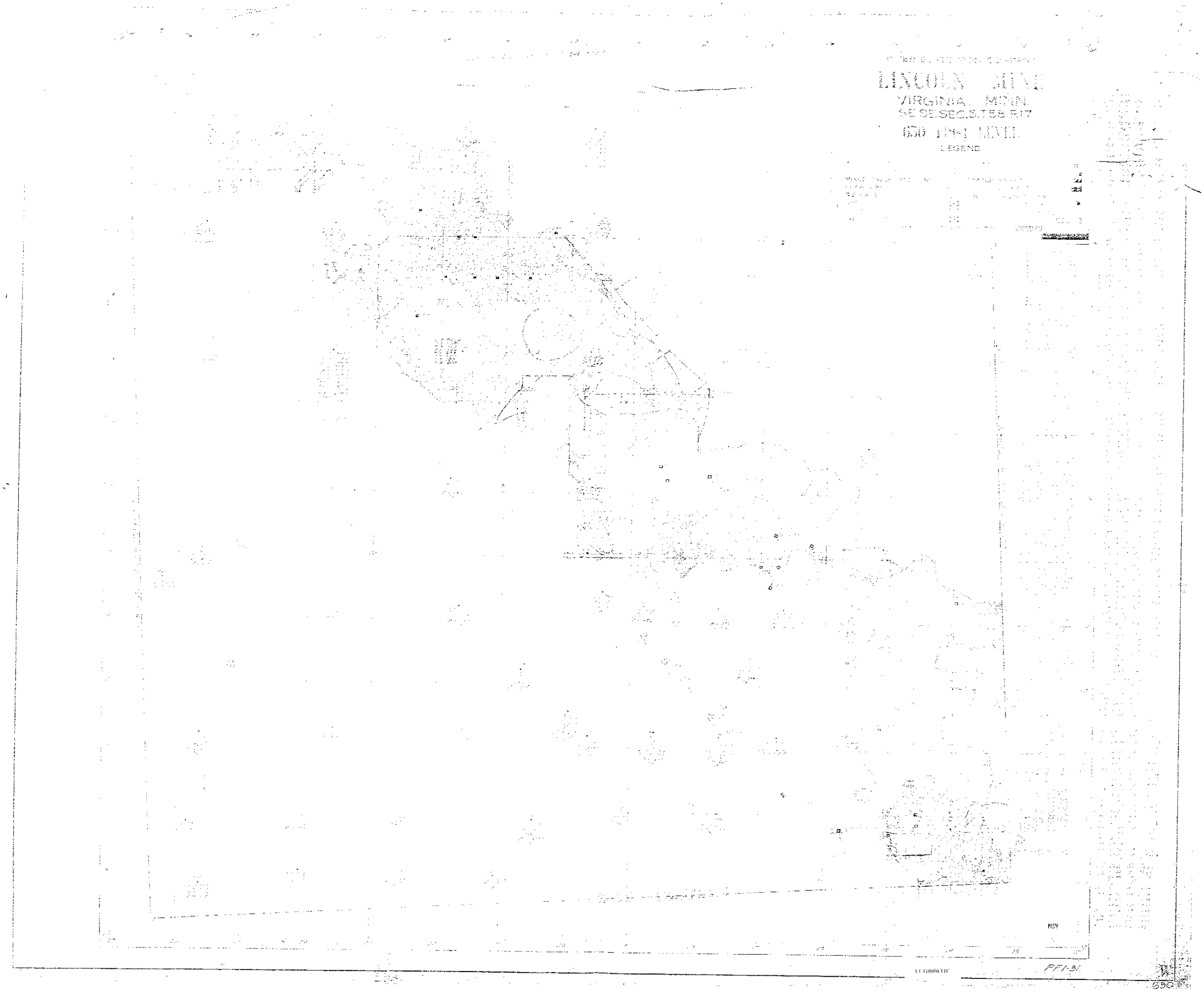

593' Level


606' Level


619' Level


MINE
ARIZONA
SECTION 1 T38-R17
600 FOOT LEVEL
1881
PLAN


642' Level


LINCOLN MINE
VIRGINIA, MINN.
650 FOOT LEVEL
LEGEND
PFI-31
650

INTER STATE IRON COMPANY

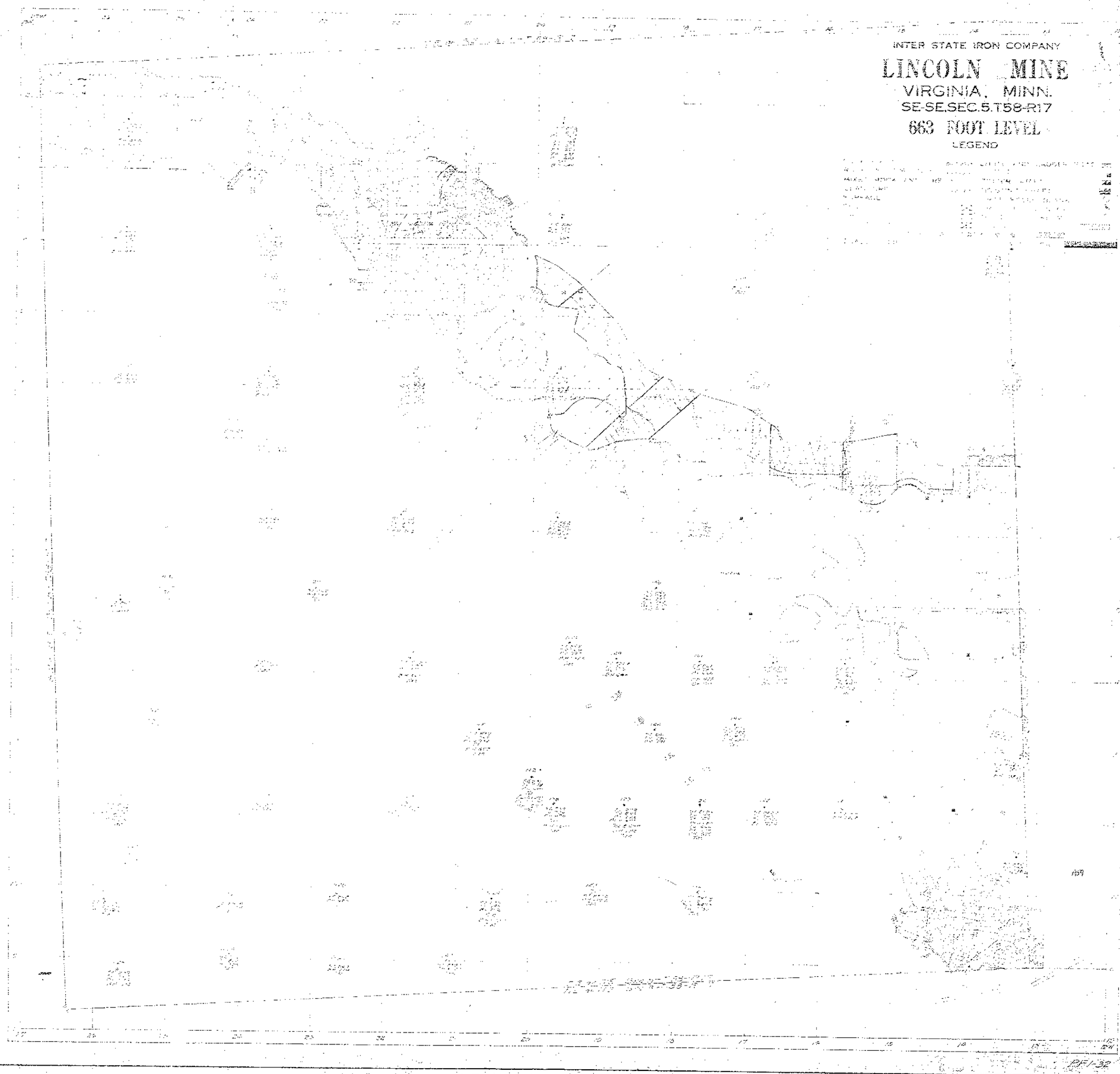
LINCOLN MINE

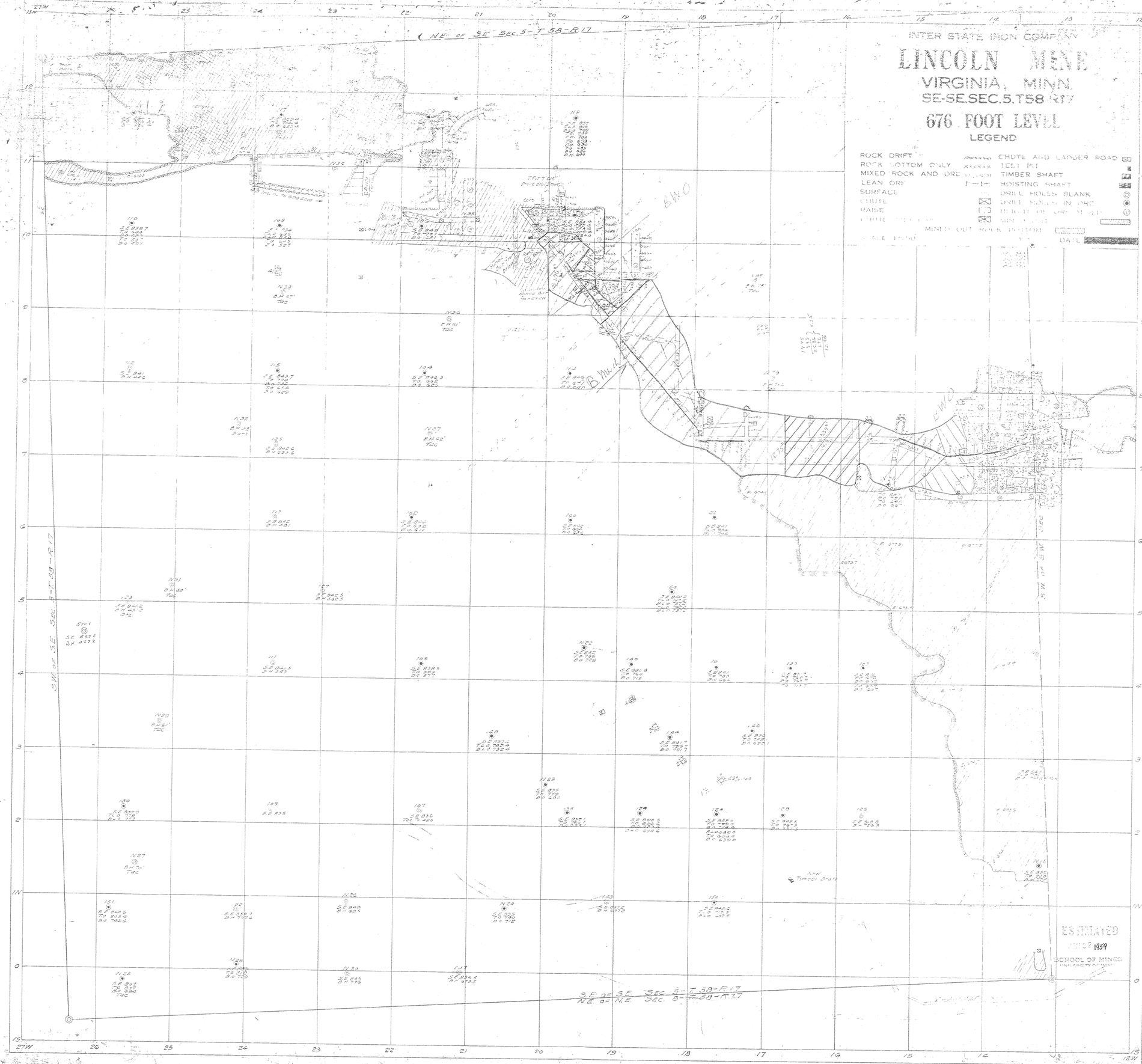
VIRGINIA, MINN.

SE-SE.SEC.5.T58-R17

663 FOOT LEVEL

LEGEND



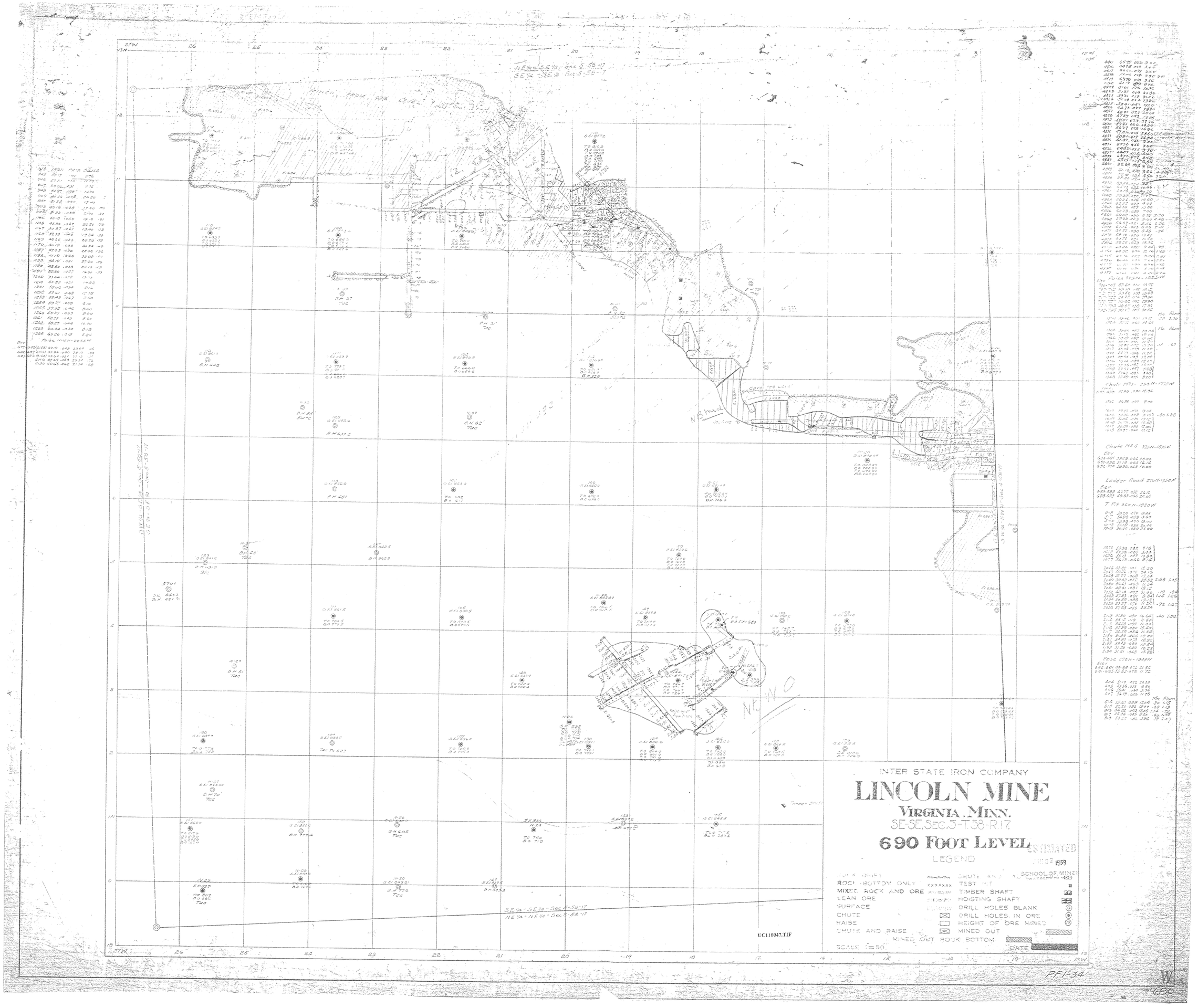


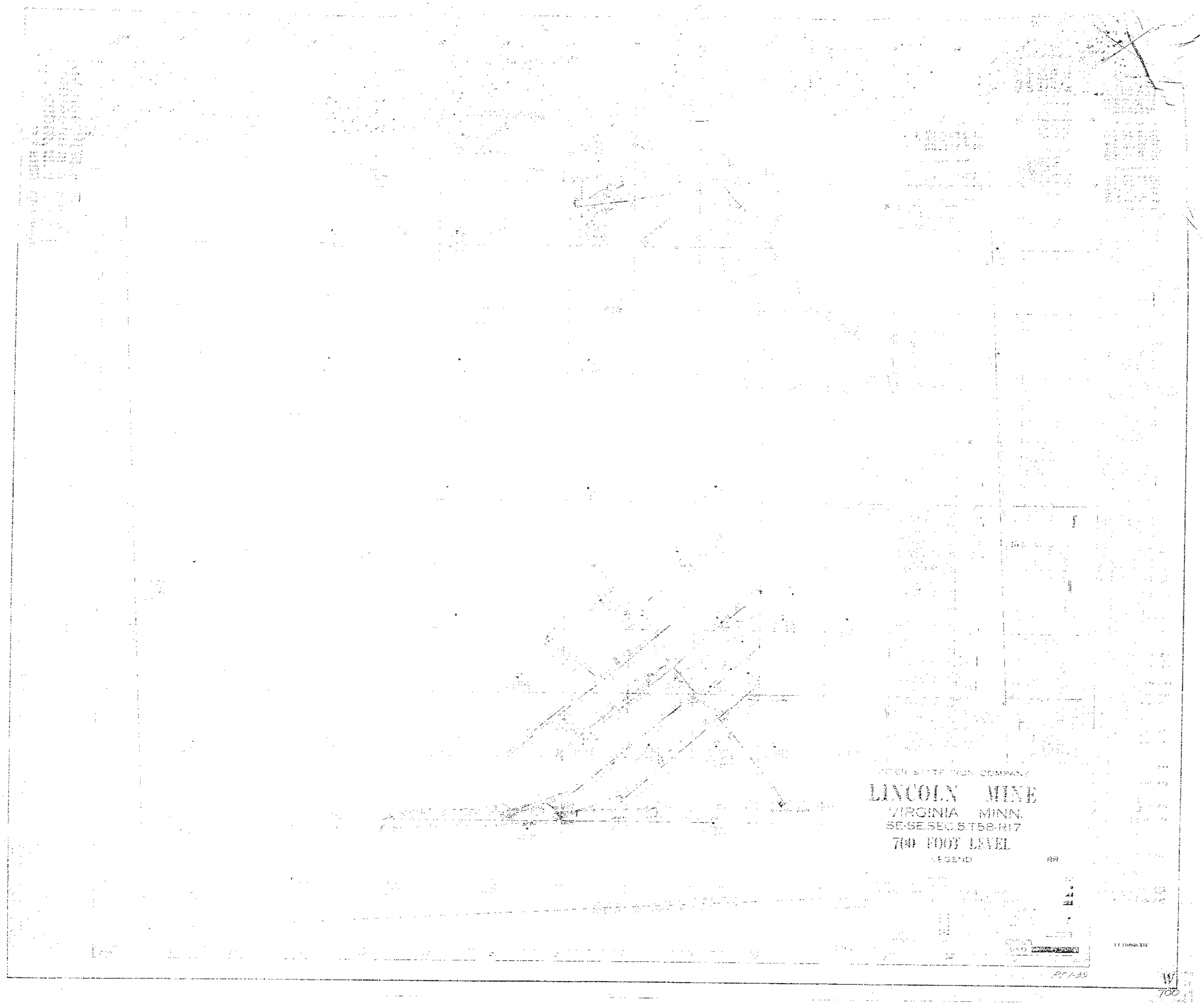
UC110048.TIF

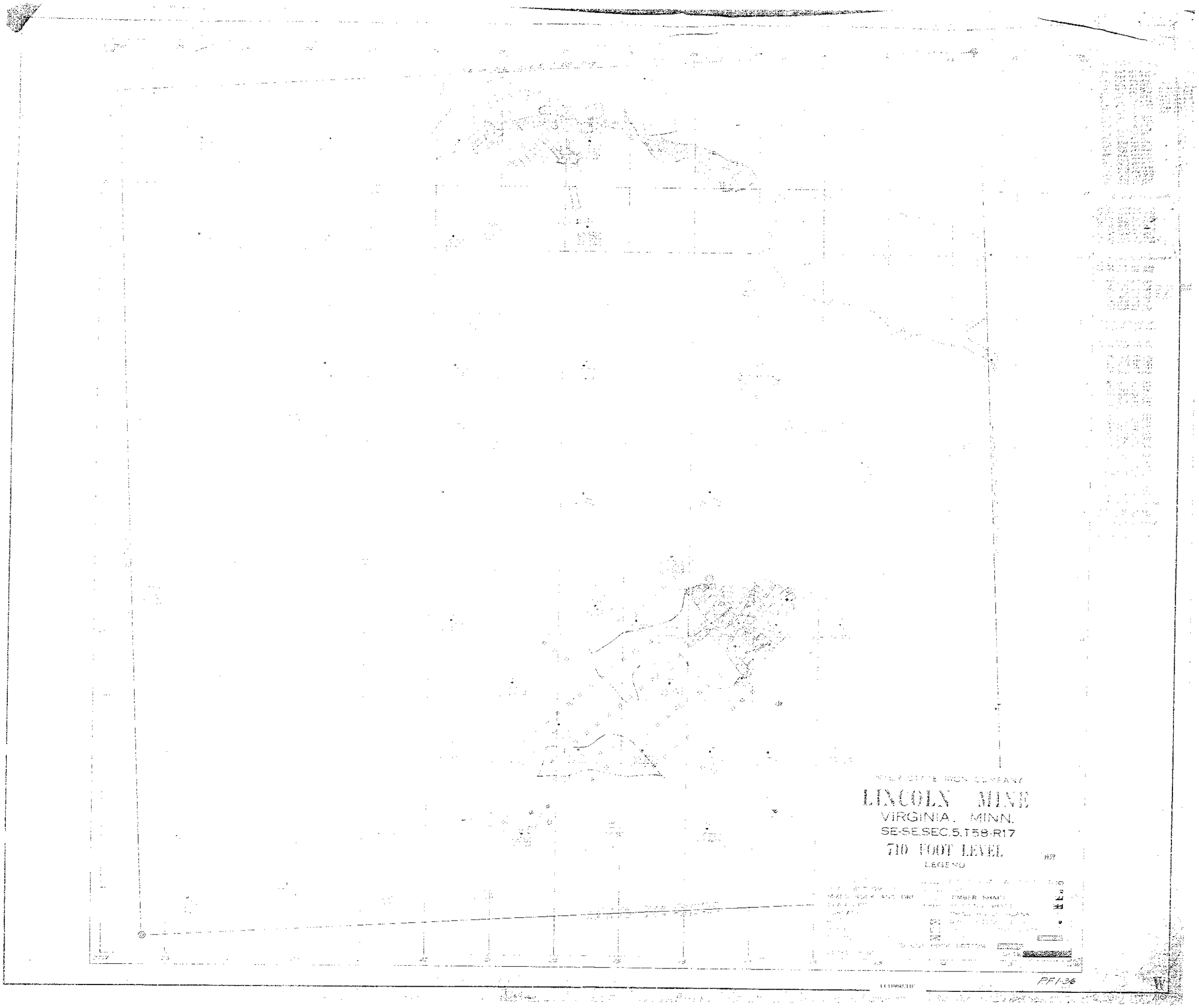
PF1-33

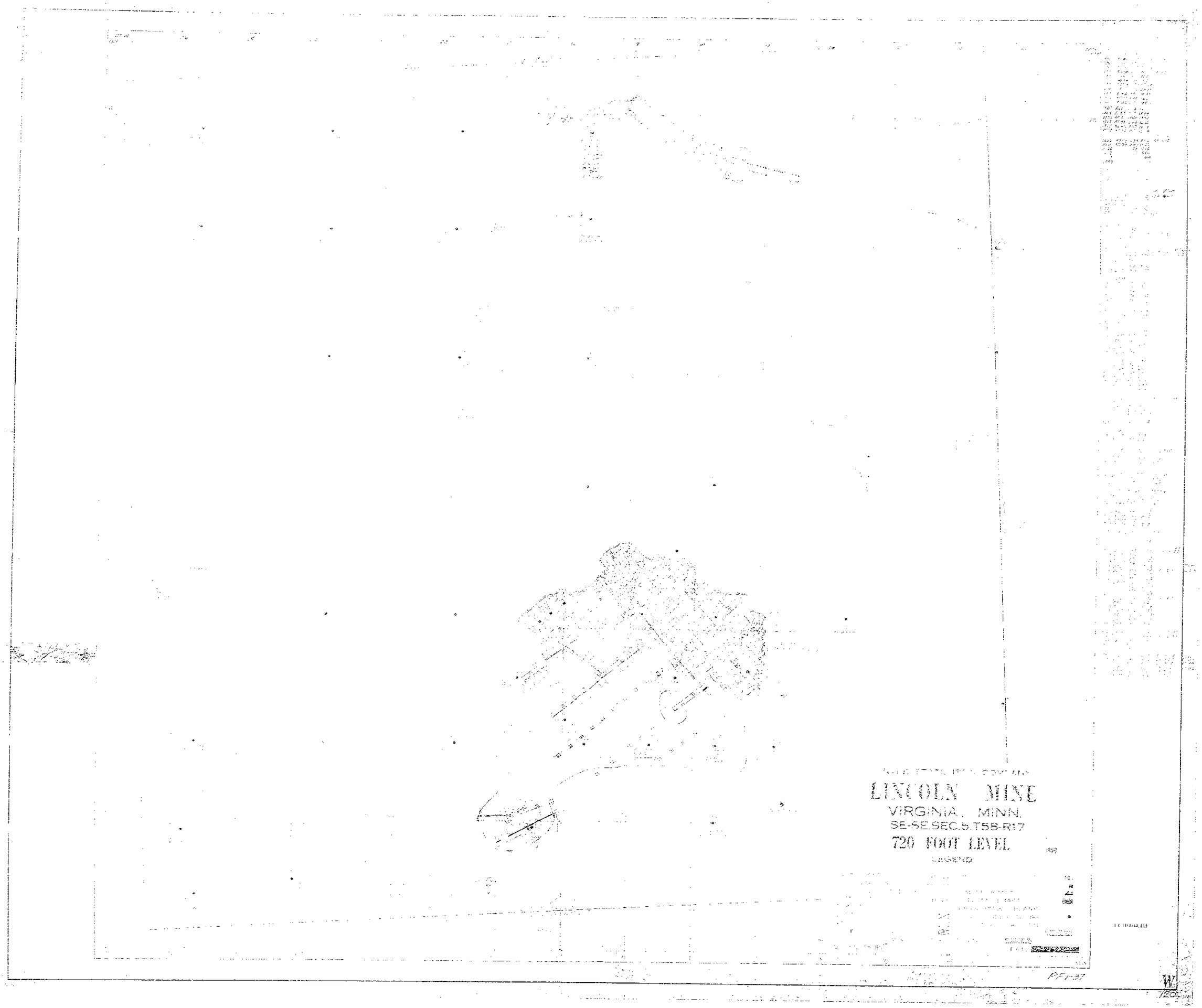
W

616


INTER STATE IRON COMPANY
LINCOLN MINE
VIRGINIA, MINN.
SE-SE, SEC. 5-T. 58-R. 17
690 FOOT LEVEL
ESTIMATED
JUNE 2 1959
LEGEND
ROCK (DRIFT)
ROCK-BOTTOM ONLY
MIXED ROCK AND ORE
LEAN ORE
SURFACE
CHUTE
RAISE
CHUTE AND RAISE
MINED OUT ROCK BOTTOM
CHUTE AND
TEST PIT
TIMBER SHAFT
HOISTING SHAFT
DRILL HOLES BLANK
DRILL HOLES IN ORE
HEIGHT OF ORE MINED
MINED OUT
SCALE 1"=50'
DATE
SCHOOL OF MINES
SE 1/4 - SE 1/4 - Sec 5-58-17
NE 1/4 - NE 1/4 - Sec 5-58-17
UC110047.TIF
PF1-34


LINCOLN MINE
VIRGINIA MINN.
SE-SE SEC. 5 T58-R17
700 FOOT LEVEL
LEGEND
700


LINCOLN MINE
VIRGINIA, MINN.
SE-SE.SEC.5.T58-R17
710 FOOT LEVEL
LEGEND
PF1-36


LINCOLN MINE
VIRGINIA, MINN.
SE-SE SEC.5, T58-R17
720 FOOT LEVEL
LEGEND
PF1-37
W
720

INTER STATE IRON COMPANY

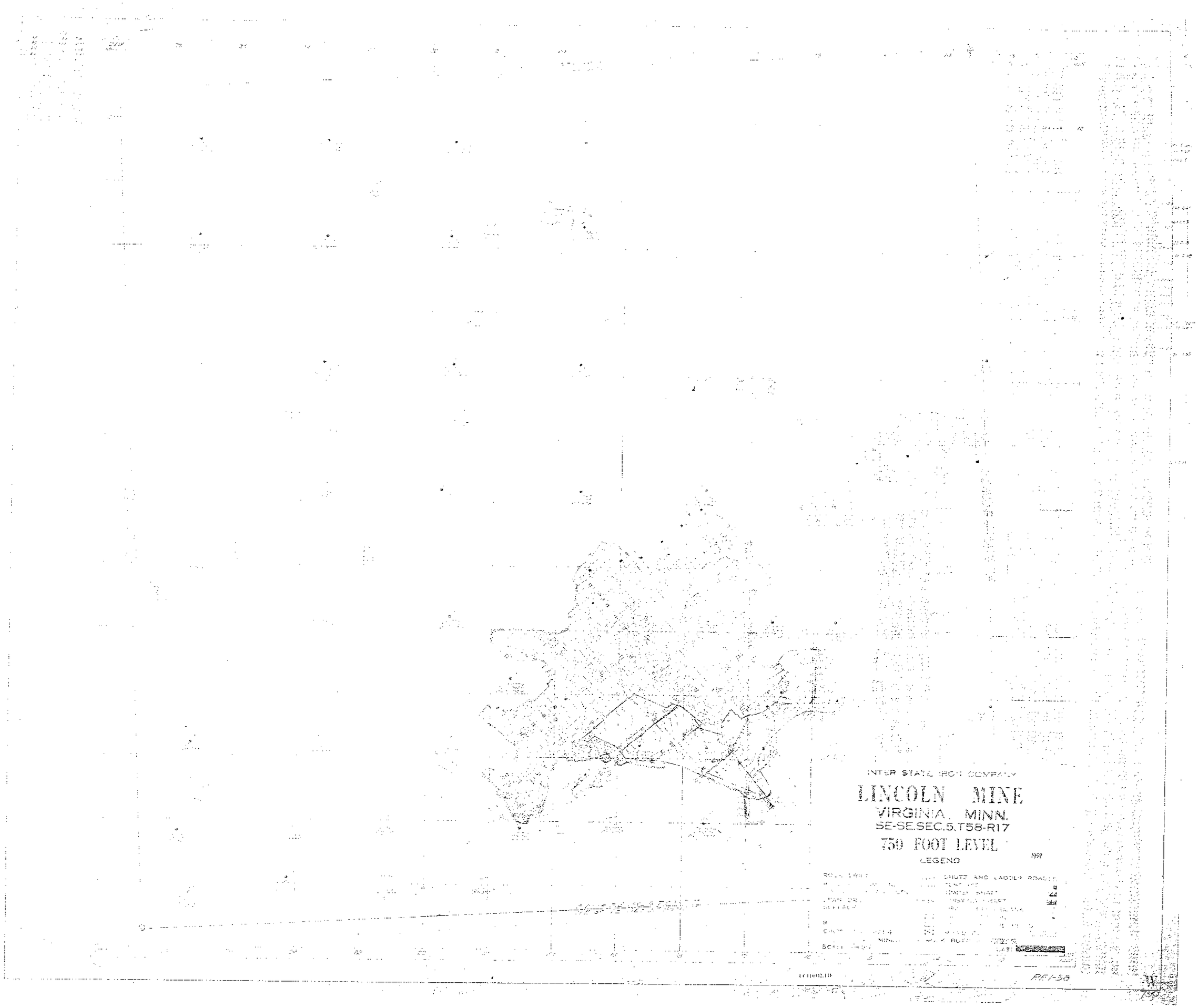
LINCOLN MINE

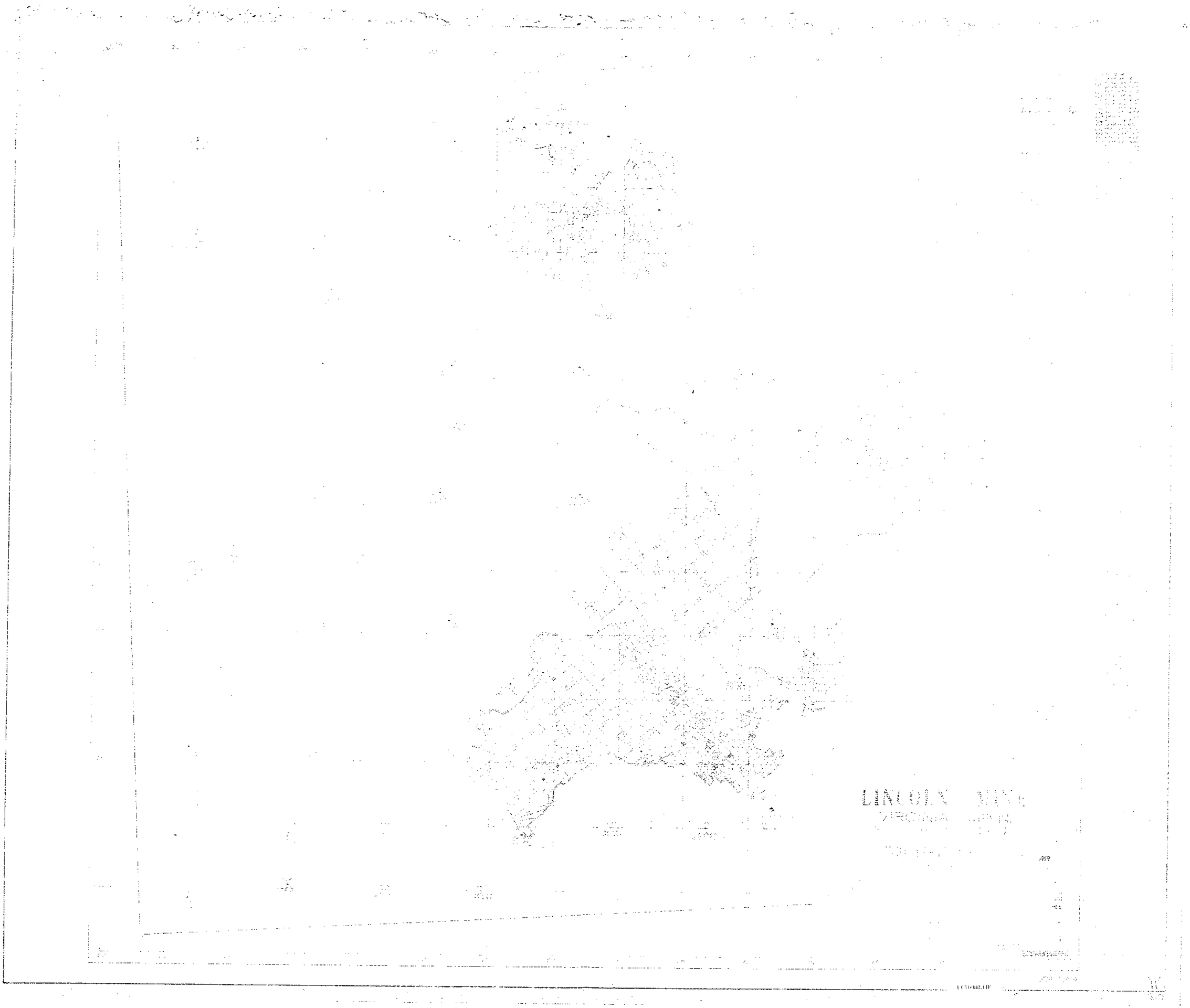
VIRGINIA, MINN.

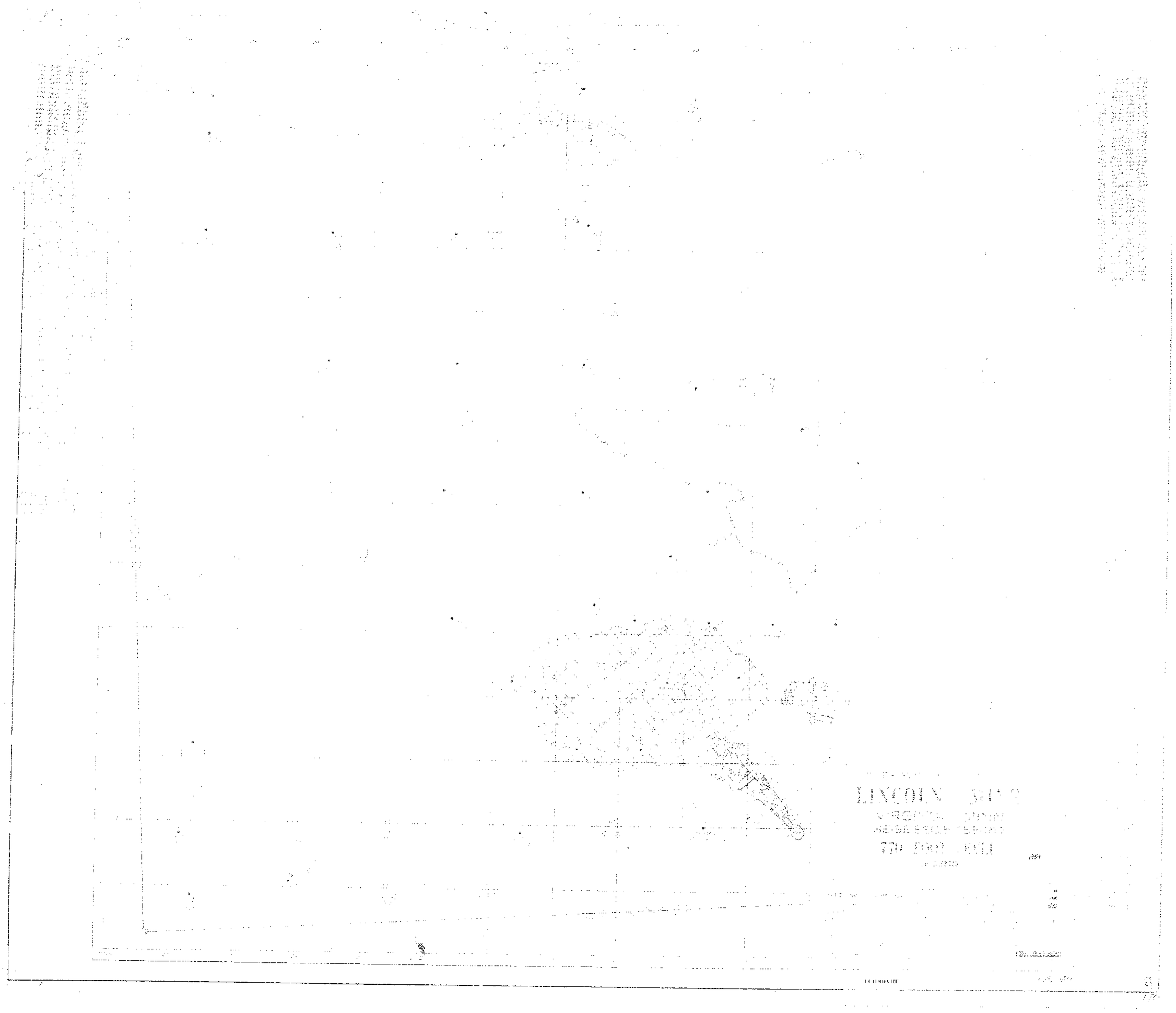
SE-SE. SEC.5.T58-R17

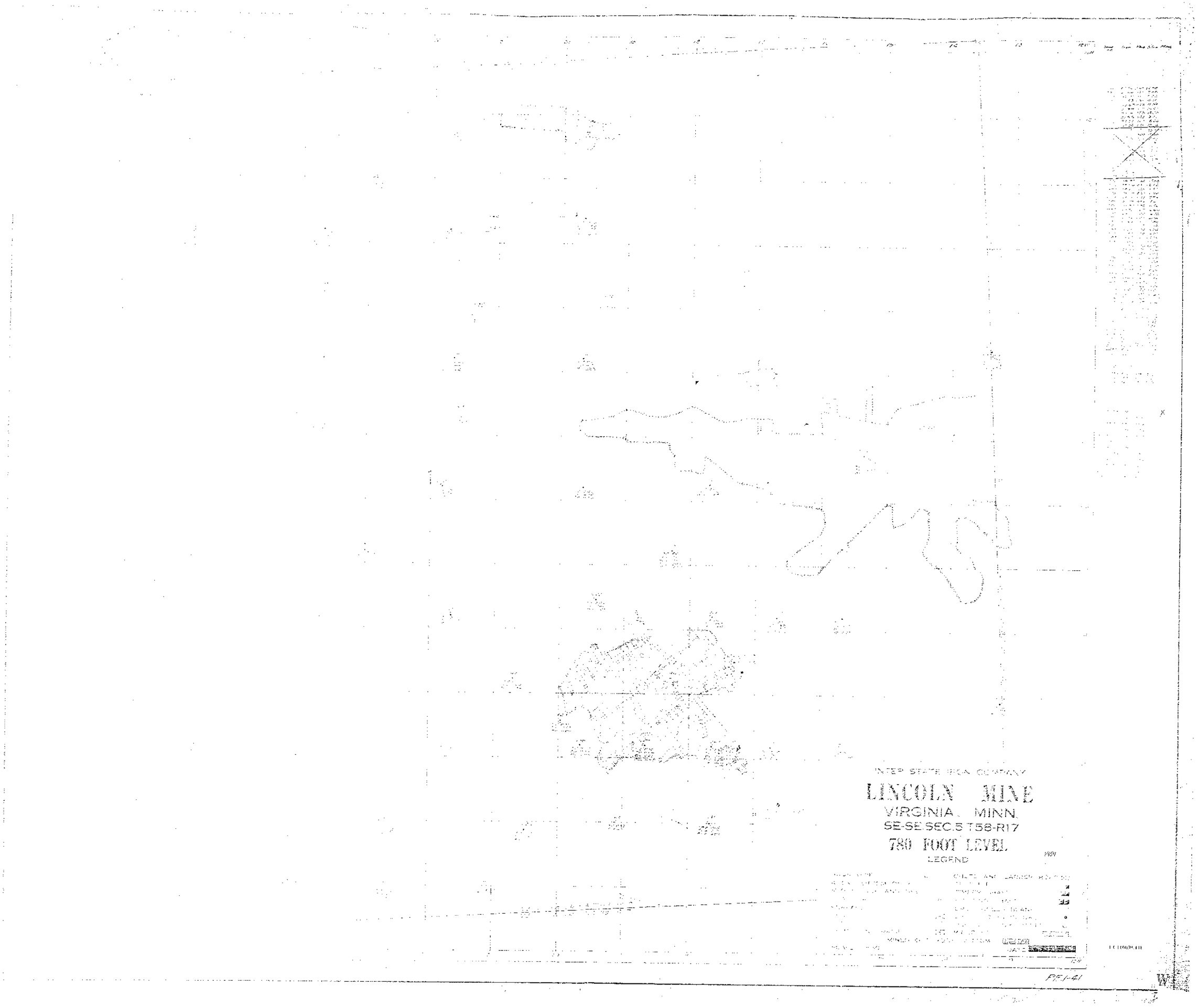
740 FOOT LEVEL

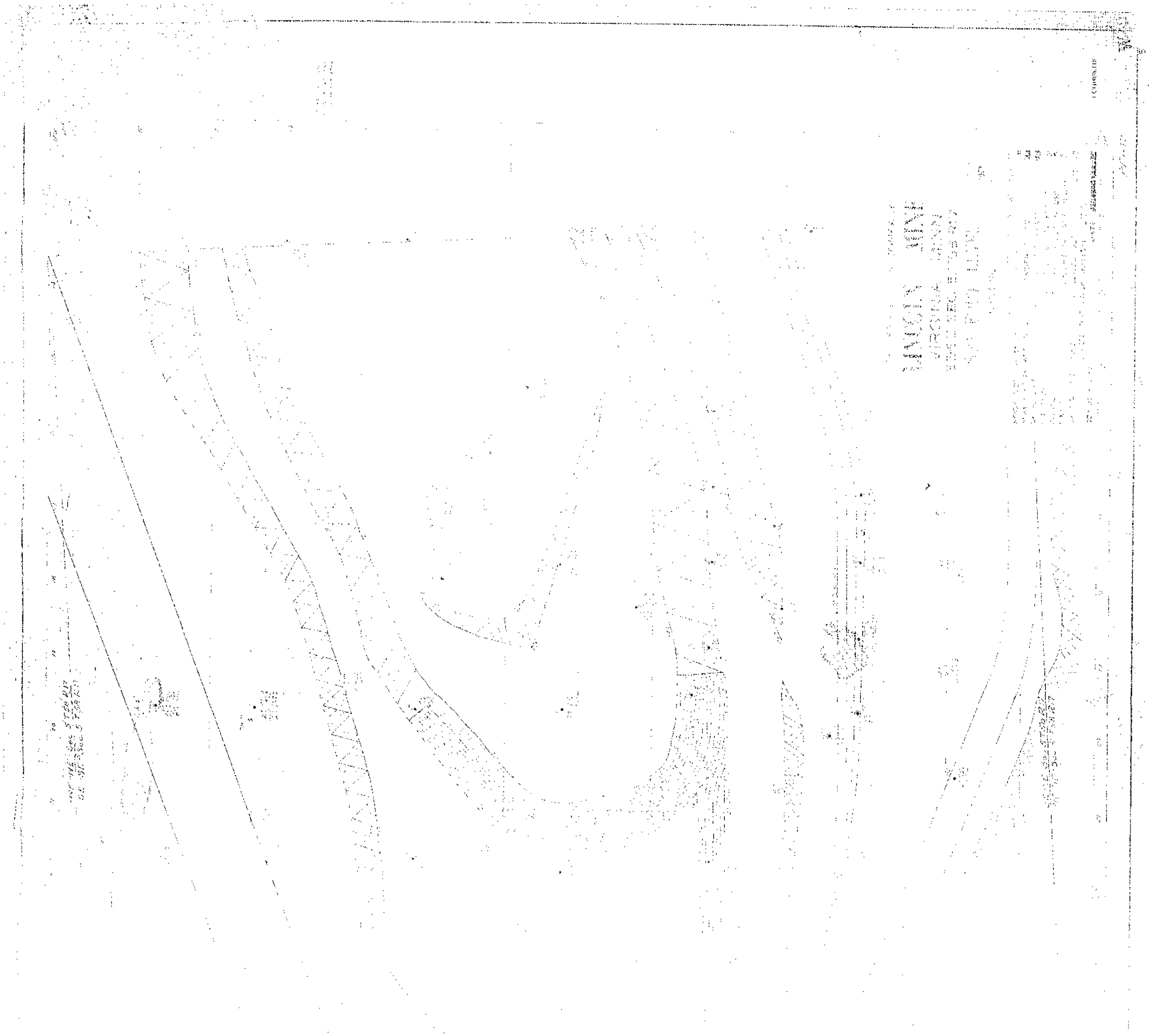
LEGEND


INTER STATE IRON COMPANY
LINCOLN MINE
VIRGINIA, MINN.
SE-SE.SEC.5.T58-R17
750 FOOT LEVEL
LEGEND
1959


LINCOLN
VIRGINIA

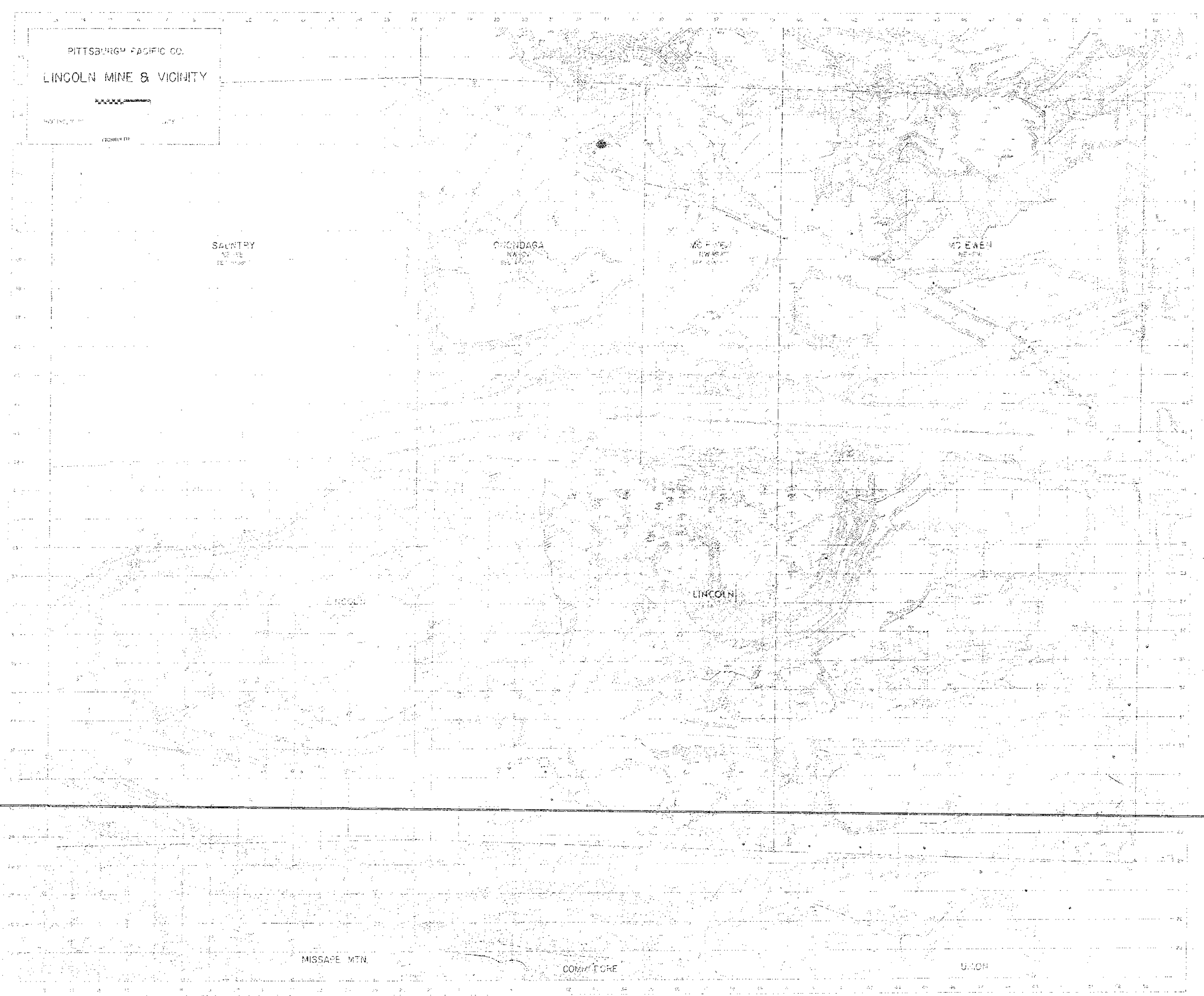

LINCOLN

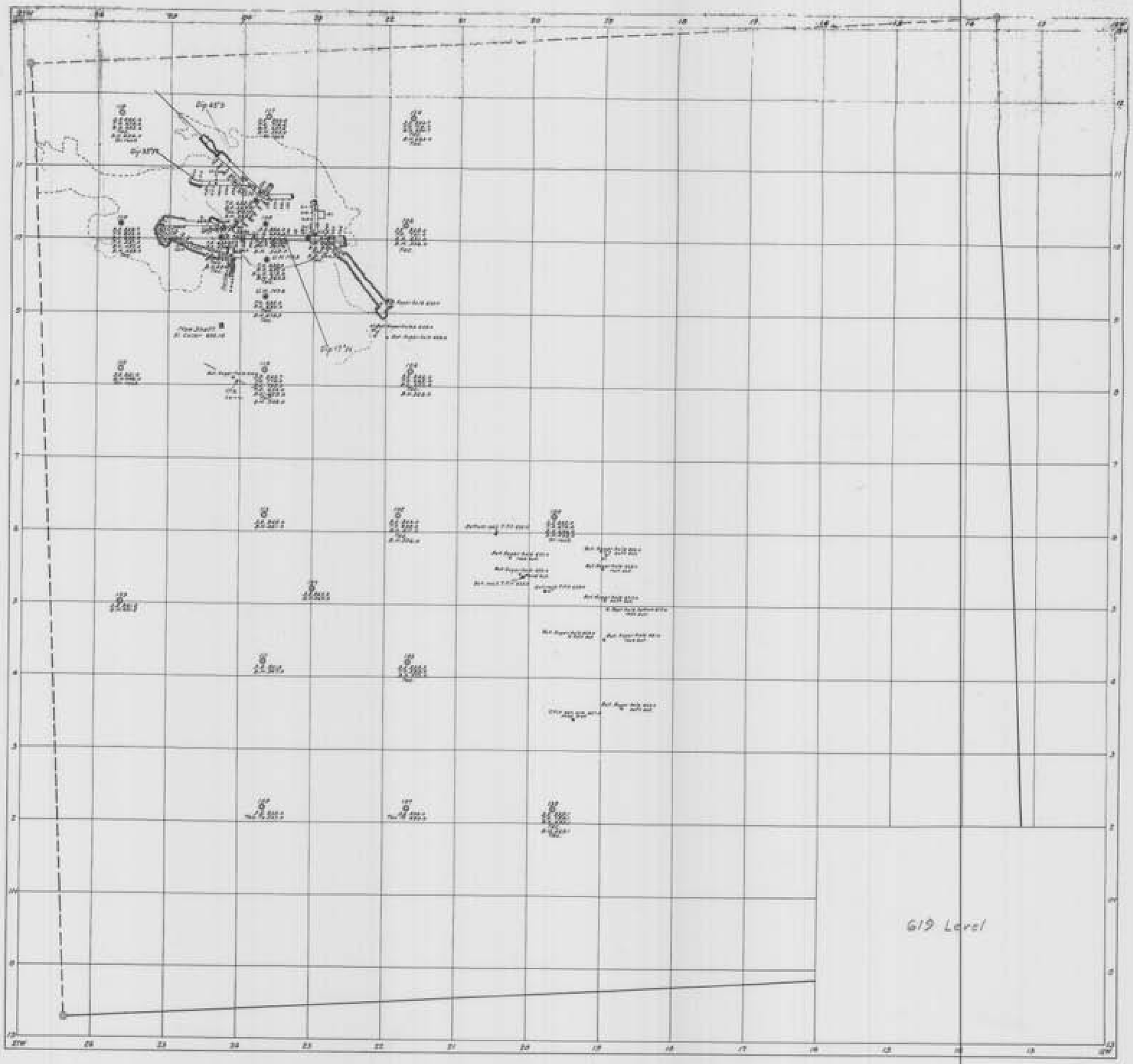

INTER STATE IRON COMPANY
LINCOLN MINE
VIRGINIA, MINN.
SE-SE SEC.5 T58-R17
780 FOOT LEVEL
LEGEND

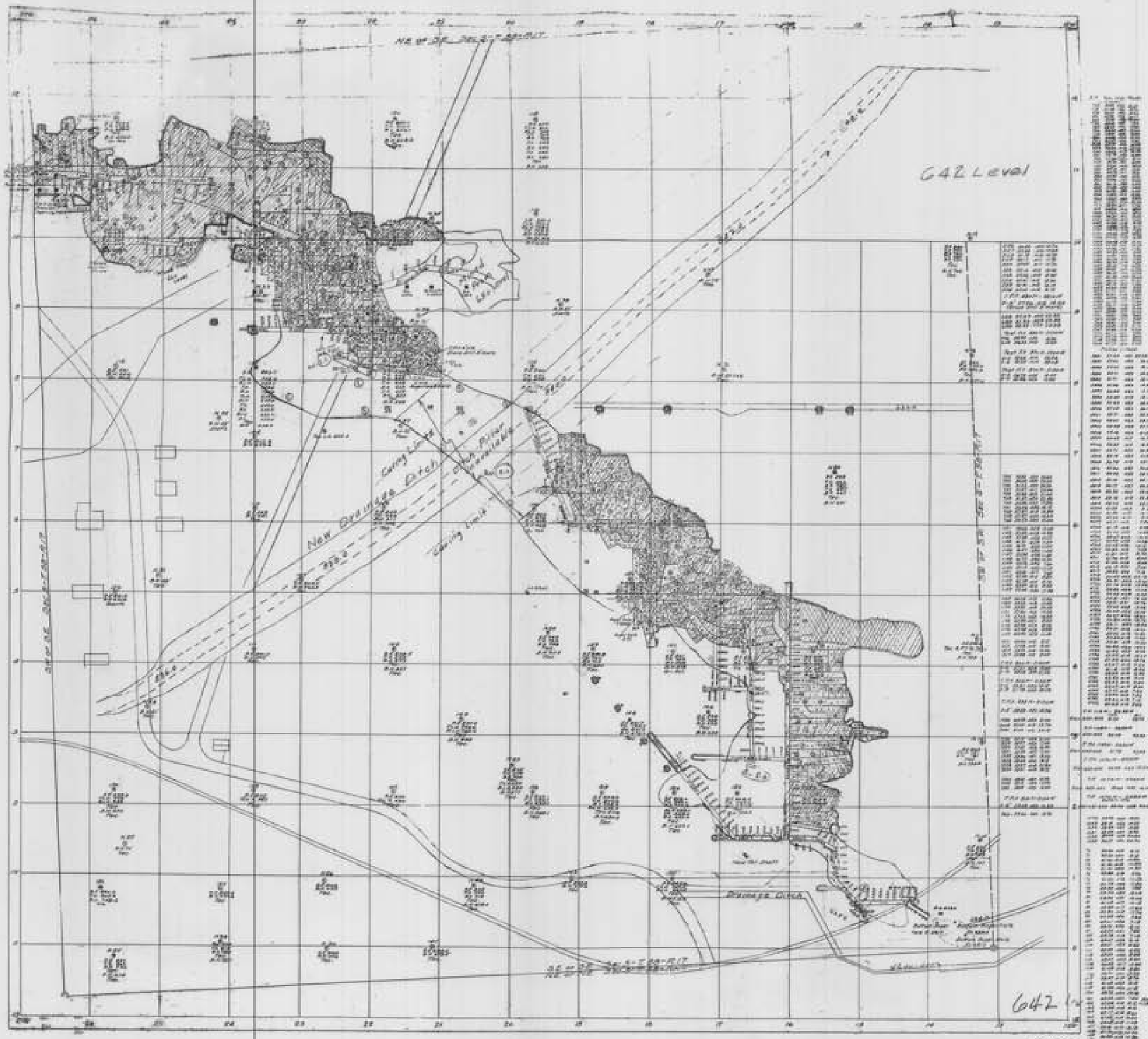


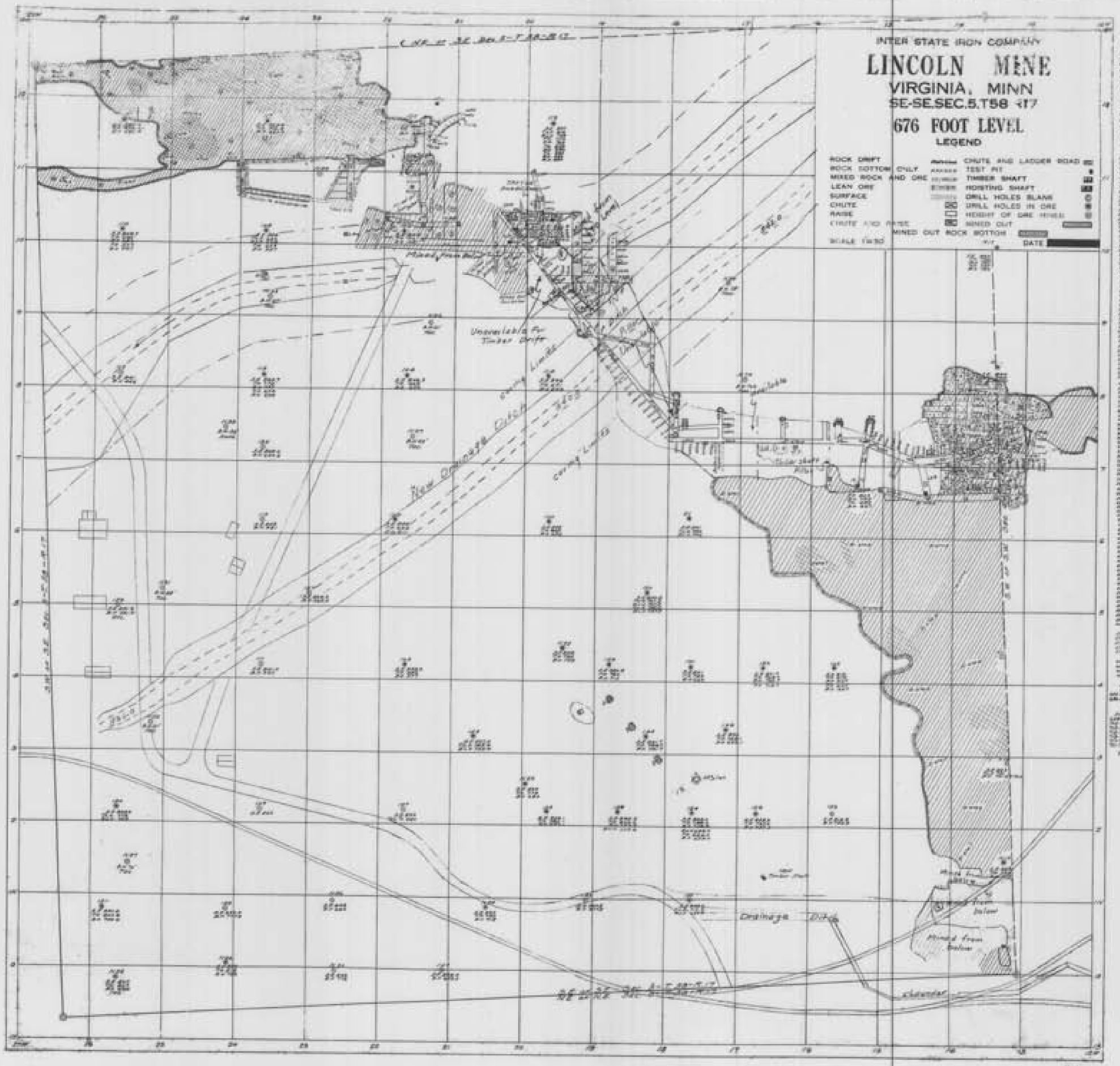
PITTSBURGH PACIFIC CO.

LINCOLN MINE & VICINITY




619 Level


642 Level
New Drainage Ditch
Caving Limit
Drainage Ditch
642


INTER STATE IRON COMPANY
LINCOLN MINE
VIRGINIA, MINN
SE-SE.SEC.5.T58 R17
676 FOOT LEVEL
LEGEND
ROCK DRIFT
ROCK BOTTOM ONLY
MIXED ROCK AND ORE
LEAN ORE
SURFACE
CHUTE
RAISE
CHUTE AND RAISE
MINED OUT ROCK BOTTOM
CHUTE AND LADDER ROAD
TEST PIT
TIMBER SHAFT
HOISTING SHAFT
DRILL HOLES BLANK
DRILL HOLES IN ORE
HEIGHT OF ORE HOLE
MINED OUT
DATE
Unavailable For Timber Drift
New Concrete Ditch
Drainage Ditch
Mined from Below
Mined from Below

HIGGINS OPEN PIT
McEWEN OPEN PIT
T58N R17W
4
CITY
O.I.M. DIV.
POWER LINE
SAUNTRY
NW-SE
SAUNTRY
NE-SE
ONONDAGA
NW-SW
MC EWEN
MC EWEN
NE-SW
SHAFTS
CAVED AREA
LINCOLN OPEN
STRIP DUMP
O.I.M. DIV. TRACKS
DITCH
STRIPPING DUMP
CAVED AREA
TAILING BASIN
LINCOLN
SE-SE
LINCOLN
SW-SW
LINCOLN
SE-SW
SAUNTRY
SW-SE
ROCK
STRIPPING DUMP
BELL TEL. CO. LINES
G.N. RY.
SHAFT
COLUMBIA CONCENTRATOR
ROCK DUMP
N.W. BELL TEL. CO. LINE
STRIPPING DUMP
ROCK
TAC.
MISSABE MT. OPEN PIT
MISSABE MT.
NW-NE
MISSABE MT.
NE-NE
COMMODORE OPEN PIT
COMMODORE
NW-NW
UNION
NE-NW
L.O.
TAC.