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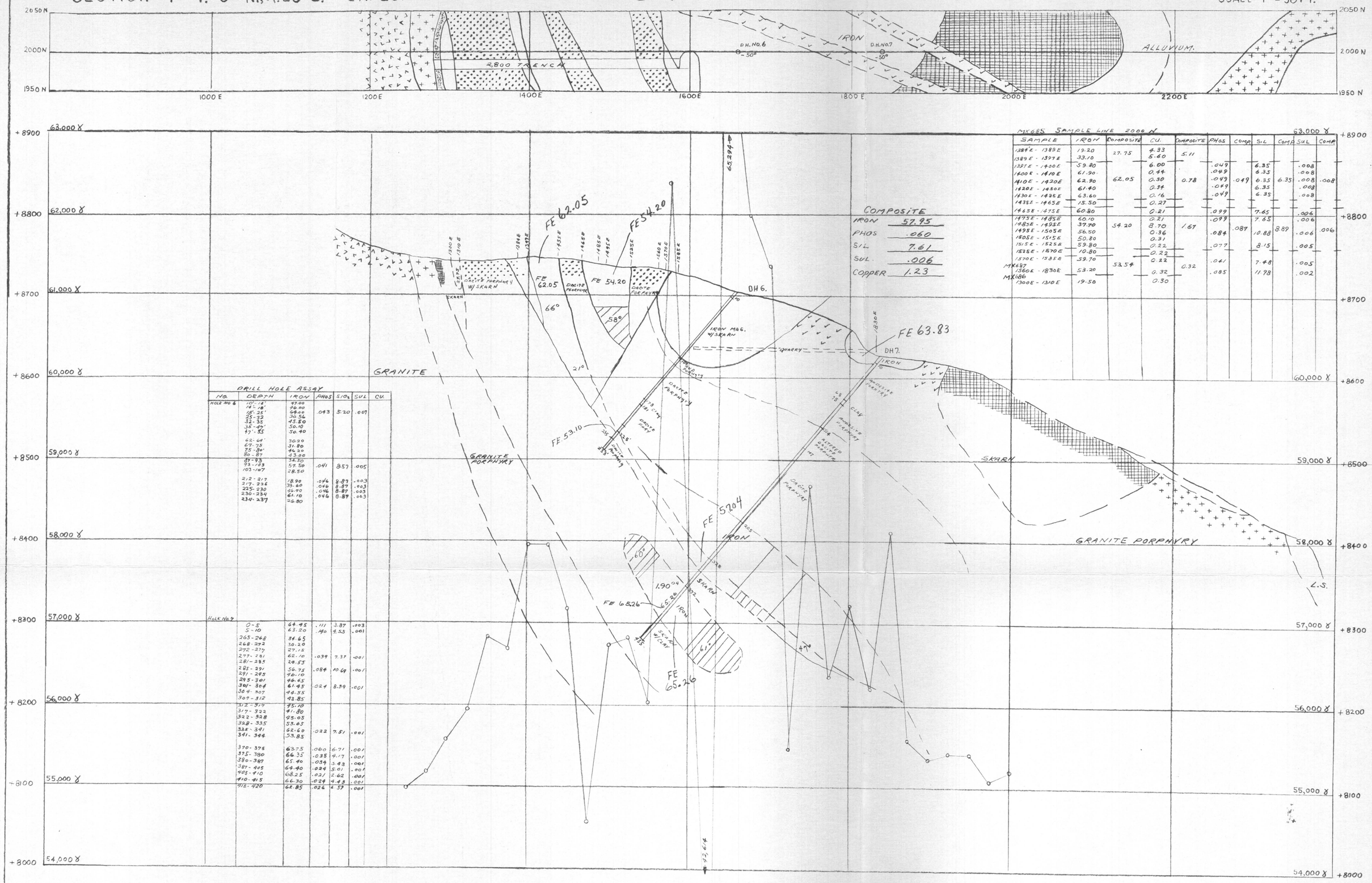
THE CLEVELAND-CLIFFS IRON CO.

IDAHO CLIFFS INC.

# SECTION 1 T. 6 N., R. 23 E. EXPLORATION CROSS-SECTION 2000 N LOOKING NORTH

MAGNETIC SCALE 1" = 500 γ
SCALE 1" = 50 FT.




| COMPOSITE | |
|---|---|
| IRON | 57.95 |
| PHOS | .060 |
| SIL | 7.61 |
| SUL | .006 |
| COPPER | 1.23 |

MX685 SAMPLE LINE 2000 N

| SAMPLE | IRON | COMPOSITE | CU. | COMPOSITE | PHOS | COMP. | SIL | COMP. | SUL | COMP. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1384E - 1389E | 19.20 | 27.75 | 4.33 | 5.11 | | | | | | |
| 1389E - 1397E | 33.10 | | 5.60 | | | | | | | |
| 1397E - 1400E | 59.80 | | 6.00 | | .049 | | 6.35 | | .008 | |
| 1400E - 1410E | 61.90 | | 0.44 | | .049 | | 6.35 | | .008 | |
| 1410E - 1420E | 62.90 | 62.05 | 0.30 | 0.78 | .049 | .049 | 6.35 | 6.35 | .008 | .008 |
| 1420E - 1430E | 61.40 | | 0.34 | | .049 | | 6.35 | | .008 | |
| 1430E - 1436E | 63.60 | | 0.16 | | .049 | | 6.35 | | .008 | |
| 1435E - 1465E | 15.50 | | 0.27 | | | | | | | |
| 1465E - 1475E | 60.80 | | 0.21 | | .099 | | 7.65 | | .006 | |
| 1475E - 1485E | 60.10 | | 0.21 | | .099 | | 7.65 | | .006 | |
| 1485E - 1495E | 37.70 | 54.20 | 8.70 | 1.67 | | .087 | | 8.89 | | .006 |
| 1495E - 1505E | 56.50 | | 0.36 | | .084 | | 10.88 | | .006 | |
| 1505E - 1515E | 50.30 | | 0.31 | | | | | | | |
| 1515E - 1525E | 59.80 | | 0.22 | | .077 | | 8.15 | | .005 | |
| 1525E - 1570E | 10.80 | | 0.22 | | | | | | | |
| 1570E - 1585E | 59.70 | | 0.22 | | .041 | | 7.48 | | .005 | |
| MX687 1560E - 1830E | 53.20 | 53.54 | 0.32 | 0.32 | .085 | | 11.98 | | .002 | |
| MX686 1300E - 1310E | 19.50 | | 0.30 | | | | | | | |

DRILL HOLE ASSAY

| NO. | DEPTH | IRON | PHOS | SIO2 | SUL | CU. |
|---|---|---|---|---|---|---|
| HOLE NO 6 | 10'-14' | 47.00 | | | | |
| | 14'-18' | 46.40 | | | | |
| | 18-25' | 64.40 | .043 | 5.20 | .009 | |
| | 25-32 | 30.56 | | | | |
| | 32-35 | 45.50 | | | | |
| | 35-47' | 50.10 | | | | |
| | 47'-55 | 50.40 | | | | |
| | 62-69' | 30.20 | | | | |
| | 69-75 | 31.80 | | | | |
| | 75-80' | 44.20 | | | | |
| | 80-87' | 43.00 | | | | |
| | 87-93 | 34.50 | | | | |
| | 93-103 | 57.50 | .041 | 8.57 | .005 | |
| | 103-107 | 28.50 | | | | |
| | 212-217 | 18.90 | .046 | 8.87 | .003 | |
| | 217-225 | 33.60 | .046 | 8.87 | .003 | |
| | 225-230 | 46.90 | .046 | 8.87 | .003 | |
| | 230-234 | 61.10 | .046 | 8.87 | .003 | |
| | 234-237 | 26.80 | | | | |
| HOLE NO 7 | 0-5 | 64.45 | .111 | 3.87 | .003 | |
| | 5-10 | 63.20 | .140 | 7.53 | .001 | |
| | 265-268 | 34.65 | | | | |
| | 268-272 | 30.20 | | | | |
| | 272-277 | 27.15 | | | | |
| | 277-281 | 62.10 | .039 | 7.37 | .001 | |
| | 281-285 | 28.55 | | | | |
| | 285-291 | 56.75 | .084 | 10.69 | .001 | |
| | 291-295 | 46.10 | | | | |
| | 295-301 | 46.65 | | | | |
| | 301-304 | 61.45 | .024 | 8.39 | .001 | |
| | 304-307 | 44.55 | | | | |
| | 307-312 | 43.85 | | | | |
| | 312-317 | 45.10 | | | | |
| | 317-322 | 41.80 | | | | |
| | 322-328 | 45.05 | | | | |
| | 328-335 | 53.65 | | | | |
| | 335-341 | 62.60 | .022 | 7.51 | .001 | |
| | 341-344 | 53.85 | | | | |
| | 370-375 | 63.75 | .060 | 6.71 | .001 | |
| | 375-380 | 66.35 | .035 | 4.17 | .001 | |
| | 380-387 | 65.40 | .034 | 5.43 | .001 | |
| | 387-405 | 64.40 | .024 | 5.01 | .001 | |
| | 405-410 | 68.25 | .021 | 2.62 | .001 | |
| | 410-415 | 66.30 | .029 | 4.43 | .001 | |
| | 415-420 | 62.85 | .026 | 4.57 | .001 | |

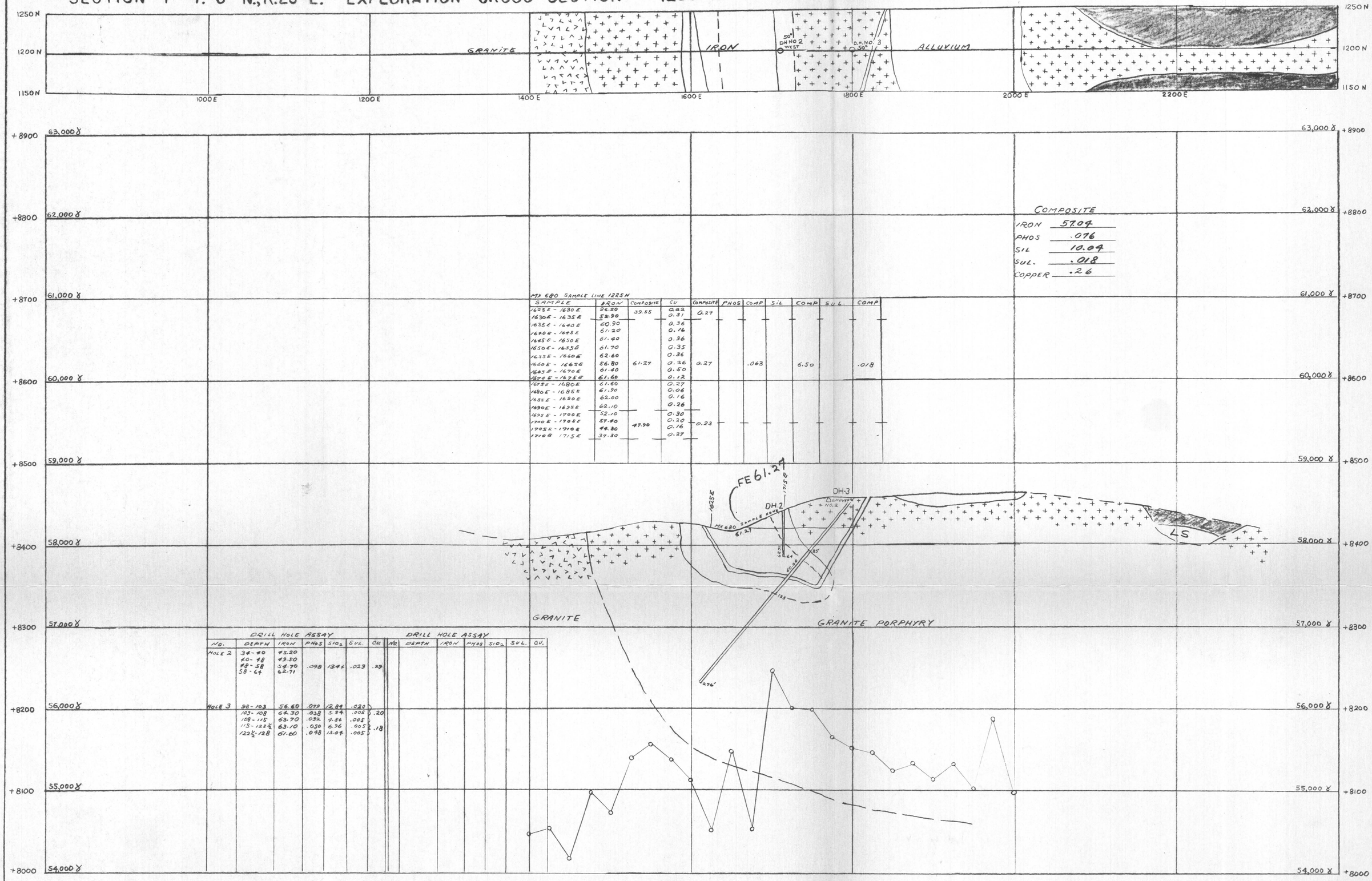
APR 5 1961

THE CLEVELAND-CLIFFS IRON CO.

IDAHO CLIFFS INC.

# SECTION 1 T. 6 N., R.23 E. EXPLORATION CROSS-SECTION 1200 N LOOKING NORTH

MAGNETIC SCALE 1" = 500 γ
SCALE 1" = 50 FT.




| SAMPLE | IRON | COMPOSITE | CU | COMPOSITE | PHOS | COMP | SIL | COMP | SUL. | COMP |
|---|---|---|---|---|---|---|---|---|---|---|
| 1625E - 1630E | 26.20 | 39.55 | 0.22 | | | | | | | |
| 1630E - 1635E | 52.90 | | 0.31 | 0.27 | | | | | | |
| 1635E - 1640E | 60.90 | | 0.36 | | | | | | | |
| 1640E - 1645E | 61.20 | | 0.16 | | | | | | | |
| 1645E - 1650E | 61.40 | | 0.36 | | | | | | | |
| 1650E - 1655E | 61.70 | | 0.35 | | | | | | | |
| 1655E - 1660E | 62.60 | | 0.36 | | | | | | | |
| 1660E - 1665E | 56.80 | 61.27 | 0.26 | 0.27 | | .063 | | 6.50 | | .018 |
| 1665E - 1670E | 61.40 | | 0.50 | | | | | | | |
| 1670E - 1675E | 61.60 | | 0.12 | | | | | | | |
| 1675E - 1680E | 61.60 | | 0.27 | | | | | | | |
| 1680E - 1685E | 61.90 | | 0.06 | | | | | | | |
| 1685E - 1690E | 62.00 | | 0.16 | | | | | | | |
| 1690E - 1695E | 62.10 | | 0.26 | | | | | | | |
| 1695E - 1700E | 52.10 | | 0.30 | | | | | | | |
| 1700E - 1705E | 57.40 | 47.90 | 0.20 | 0.23 | | | | | | |
| 1705E - 1710E | 46.80 | | 0.16 | | | | | | | |
| 1710E 1715E | 37.30 | | 0.27 | | | | | | | |

DRILL HOLE ASSAY

| NO. | DEPTH | IRON | PHOS | $SiO_2$ | SUL. | CU |
|---|---|---|---|---|---|---|
| HOLE 2 | 34-40 | 45.20 | | | | |
| | 40-48 | 49.50 | | | | |
| | 48-58 | 54.70 | .098 | 13.44 | .023 | .29 |
| | 58-64 | 62.71 | | | | |
| HOLE 3 | 98-103 | 58.60 | .099 | 12.84 | .020 | |
| | 103-108 | 64.30 | .038 | 5.94 | .005 | .20 |
| | 108-115 | 63.70 | .032 | 4.86 | .005 | |
| | 115-122½ | 63.10 | .050 | 6.96 | .005 | .18 |
| | 122½-128 | 61.60 | .048 | 13.04 | .005 | |

DRILL HOLE ASSAY

| NO. | DEPTH | IRON | PHOS | $SiO_2$ | SUL. | CU |
|---|---|---|---|---|---|---|

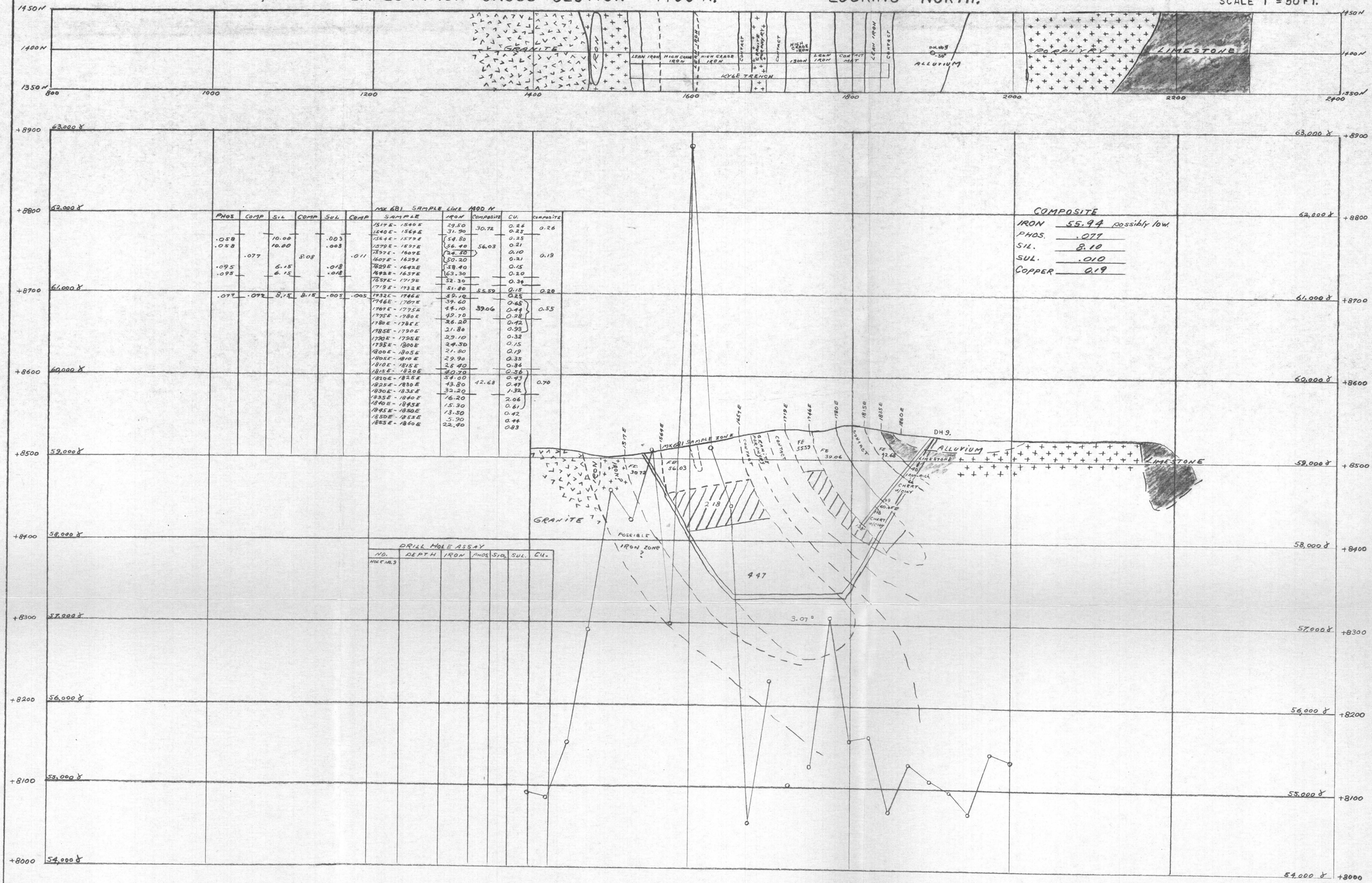
APR 5 1961

THE CLEVELAND-CLIFFS IRON CO.

IDAHO CLIFFS INC.

# SECTION 1 T. 6 N., R. 23 E. EXPLORATION CROSS-SECTION 1400 N. LOOKING NORTH.

MAGNETIC SCALE 1" = 500 γ
SCALE 1" = 50 FT.




| | PHOS | COMP | SIL | COMP | SUL | COMP |
|---|---|---|---|---|---|---|
| | .058 | | 10.00 | | .003 | |
| | .058 | | 10.00 | | .003 | |
| | | .077 | | 8.08 | | .011 |
| | .095 | | 6.15 | | .018 | |
| | .095 | | 6.15 | | .018 | |
| | .077 | .072 | 8.15 | 8.15 | .003 | .005 |

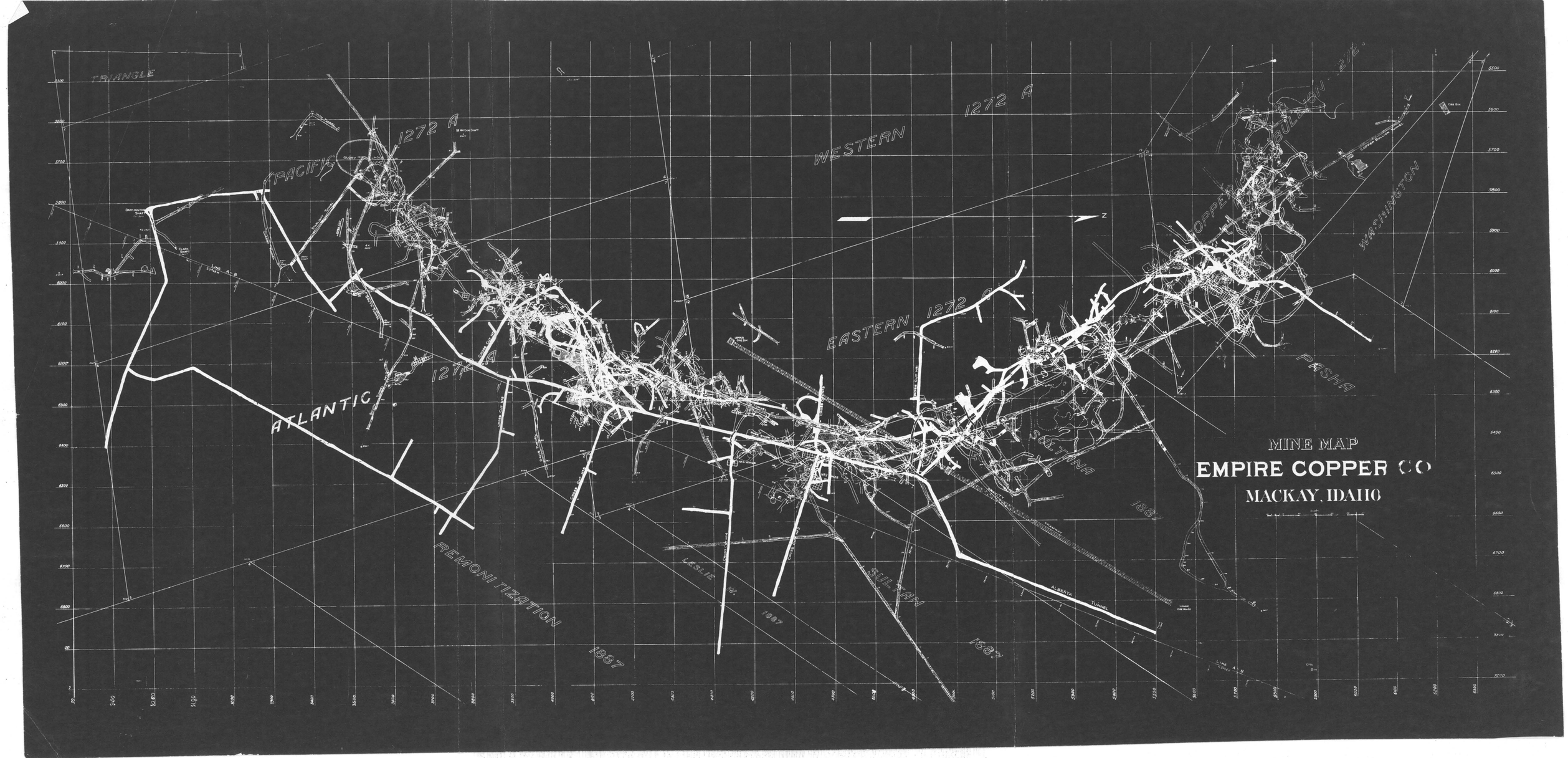
| SAMPLE | IRON | COMPOSITE | CU. | COMPOSITE |
|---|---|---|---|---|
| 1517E - 1540E | 29.50 | 30.72 | 0.26 | 0.26 |
| 1540E - 1564E | 31.90 | | 0.23 | |
| 1564E - 1579E | 54.80 | | 0.25 | |
| 1579E - 1597E | 56.40 | 56.03 | 0.21 | |
| 1597E - 1609E | 24.50 | | 0.10 | 0.19 |
| 1609E - 1629E | 50.20 | | 0.21 | |
| 1629E - 1692E | 58.40 | | 0.15 | |
| 1692E - 1657E | 63.30 | | 0.20 | |
| 1657E - 1719E | 52.30 | | 0.34 | |
| 1719E - 1732E | 51.80 | 55.59 | 0.15 | 0.20 |
| 1732E - 1746E | 59.10 | | 0.25 | |
| 1746E - 1767E | 39.60 | | 0.65 | |
| 1767E - 1775E | 44.10 | 39.06 | 0.44 | 0.55 |
| 1775E - 1780E | 49.70 | | 0.28 | |
| 1780E - 1785E | 26.20 | | 0.42 | |
| 1785E - 1790E | 21.80 | | 0.93 | |
| 1790E - 1795E | 29.10 | | 0.32 | |
| 1795E - 1800E | 24.50 | | 0.15 | |
| 1800E - 1805E | 21.80 | | 0.19 | |
| 1805E - 1810E | 29.90 | | 0.33 | |
| 1810E - 1815E | 25.40 | | 0.36 | |
| 1815E - 1820E | 20.70 | | 0.56 | |
| 1820E - 1825E | 54.00 | | 0.43 | |
| 1825E - 1830E | 43.20 | 42.68 | 0.47 | 0.70 |
| 1830E - 1835E | 33.20 | | 1.32 | |
| 1835E - 1840E | 16.20 | | 2.06 | |
| 1840E - 1845E | 15.30 | | 0.61 | |
| 1845E - 1850E | 13.50 | | 0.42 | |
| 1850E - 1855E | 5.90 | | 0.44 | |
| 1855E - 1860E | 22.40 | | 0.83 | |

DRILL HOLE ASSAY

| NO. | DEPTH | IRON | PHOS | $SiO_2$ | SUL. | CU. |
|---|---|---|---|---|---|---|
| HOLE NO. 9 | | | | | | |

APR 5 1961

LONGITUDINAL SECTION
SHOWING
MAJOR PORTION OF IRREGULAR STOPES
IN
EMPIRE MINE
OF
MACKAY METALS
Near Mackay, Idaho
Scale, 1 In. = 100 Ft.
Section Looking Westerly
Fan Tunnel
Glory Hole
Quarry Tunnel
Sunlight Tunnel
South Tunnel
South Tunnel No 2
McGuire Tun
Whim Shaft
Rat Shaft
Brown Tunnel
North Tunnel
300 Tunnel
Happy Jack Tunnel
Darlington Shaft
Clark Shaft
Cosser Tunnel
8600
8400
8200
8000
7800
7600
7400
7200
7000
6800
700
500
600
800
900
1000
LEGEND
Limestone
Granite Porphyry
Garnetite
Basic Dike
Granite
Plane, N 22° E
Plane N 28° W


MINE MAP
EMPIRE COPPER CO
MACKAY, IDAHO
TRIANGLE
PACIFIC
1272 A
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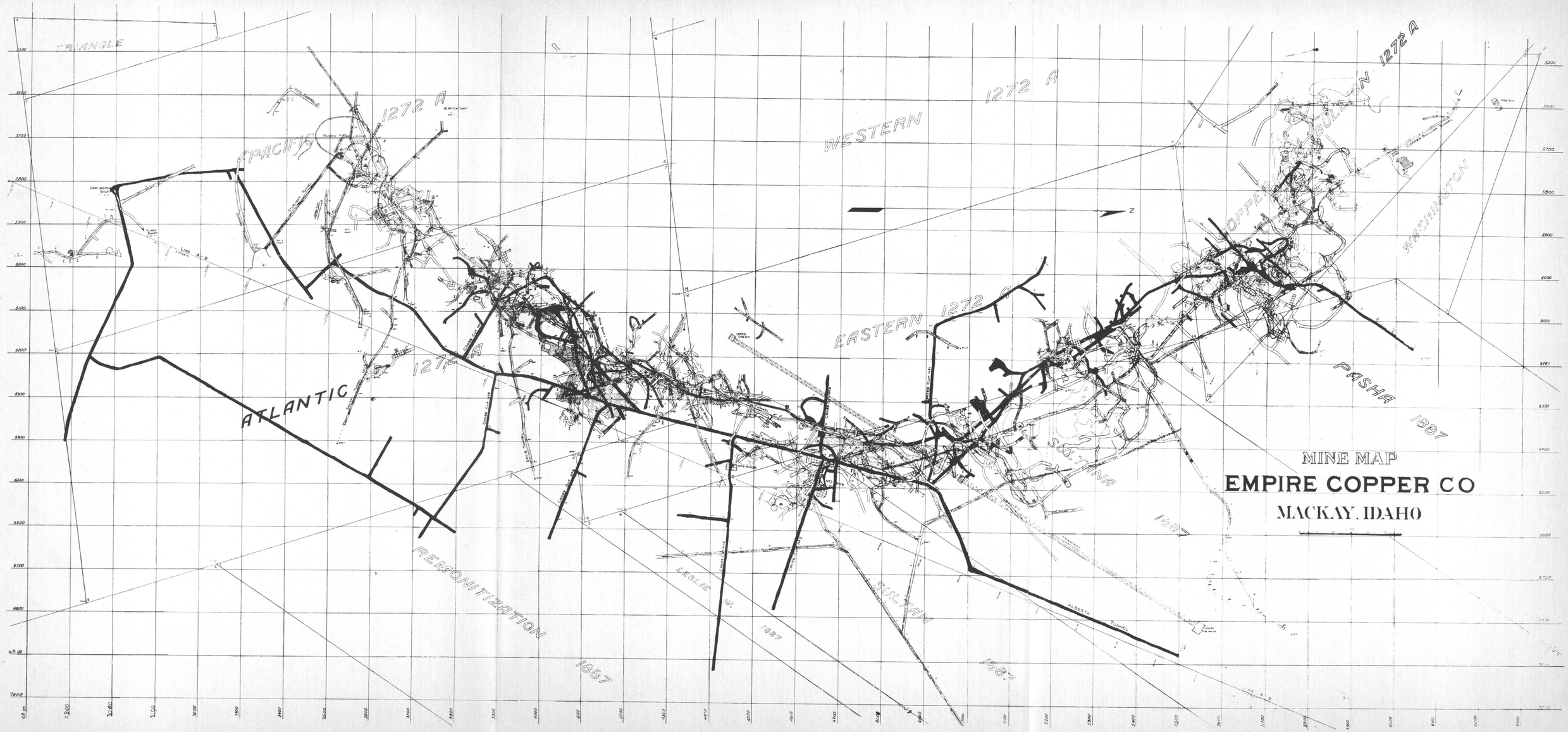
EASTERN
ATLANTIC
REMONITIZATION
1887
LESLIE
SULTAN
SALTINA
PASHA
WASHINGTON
ALBERTA TUNNEL


MINE MAP
EMPIRE COPPER CO
MACKAY, IDAHO
TRIANGLE
PACIFIC
1272 A
WESTERN
EASTERN
ATLANTIC
REMONITIZATION
1887
LESLIE W.
SULTAN
SULTANA
PASHA
WASHINGTON
OPPER
ALBERTA TUNNEL
DARLINGTON SHAFT
CLARK SHAFT
LINE A-B
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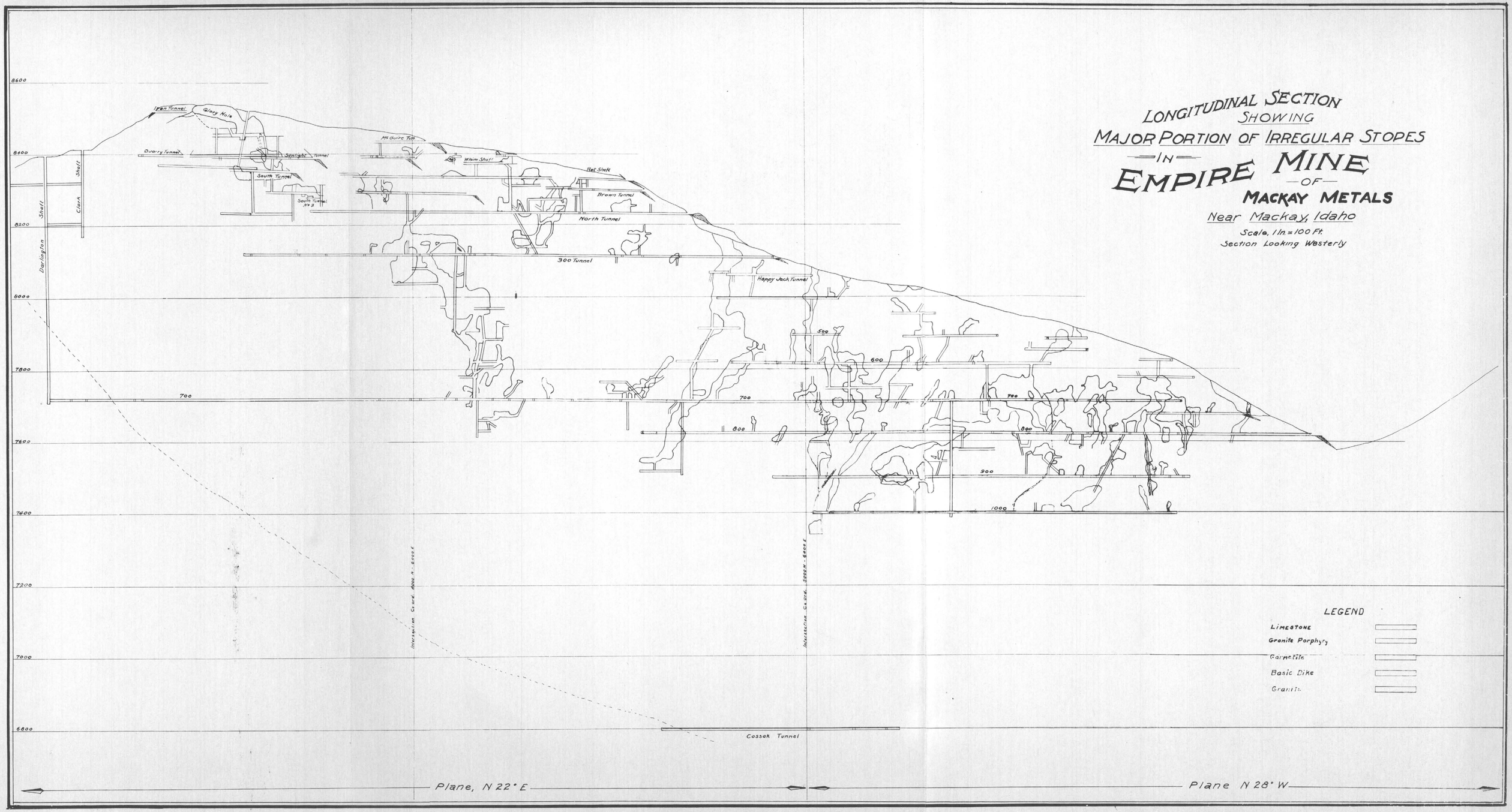
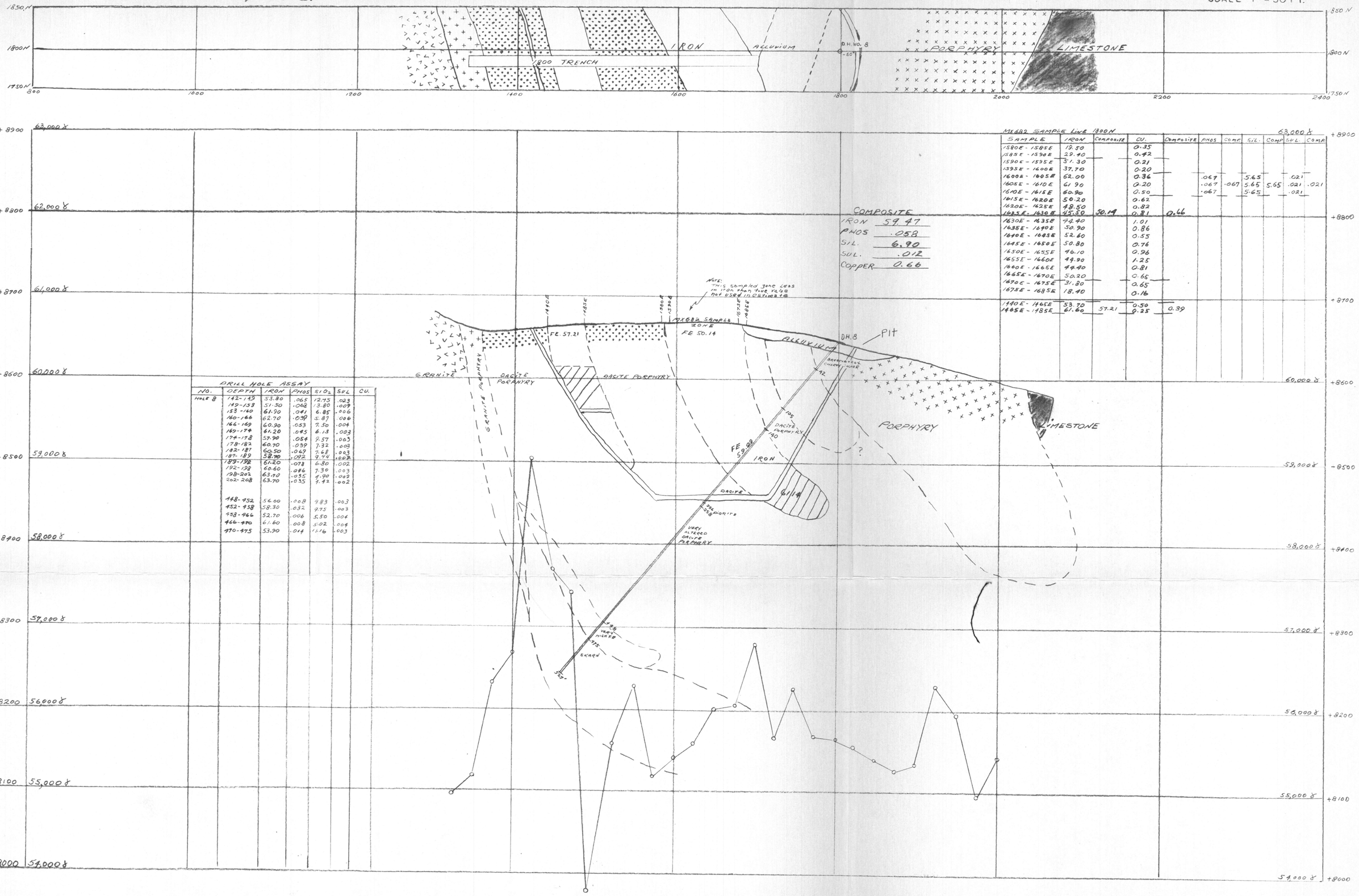

LONGITUDINAL SECTION
SHOWING
MAJOR PORTION OF IRREGULAR STOPES
IN
EMPIRE MINE
OF
MACKAY METALS
Near Mackay, Idaho
Scale, 1 In. = 100 Ft.
Section Looking Westerly
8600
8400
8200
8000
7800
7600
7400
7200
7000
6800
Fan Tunnel
Glory Hole
Quarry Tunnel
Skylight Tunnel
South Tunnel
South Tunnel No 2
McGuire Tun
Whim Shaft
Hat Shelf
Brown Tunnel
North Tunnel
300 Tunnel
Happy Jack Tunnel
Darlington Shaft
Clark Shaft
700
500
600
700
800
900
1000
Cossak Tunnel
Intersection Course 4000 N - 8400 E
Intersection Course 5000 N - 8400 E
Plane, N 22° E
Plane N 28° W
LEGEND
Limestone
Granite Porphyry
Garnetite
Basic Dike
Granite

THE CLEVELAND-CLIFFS IRON CO.

IDAHO CLIFFS INC.

# SECTION 1. T. 6 N., R. 23 E. EXPLORATION CROSS-SECTION 1800 N. LOOKING NORTH

MAGNETIC SCALE 1" = 500 γ
SCALE 1" = 50 FT.




## COMPOSITE

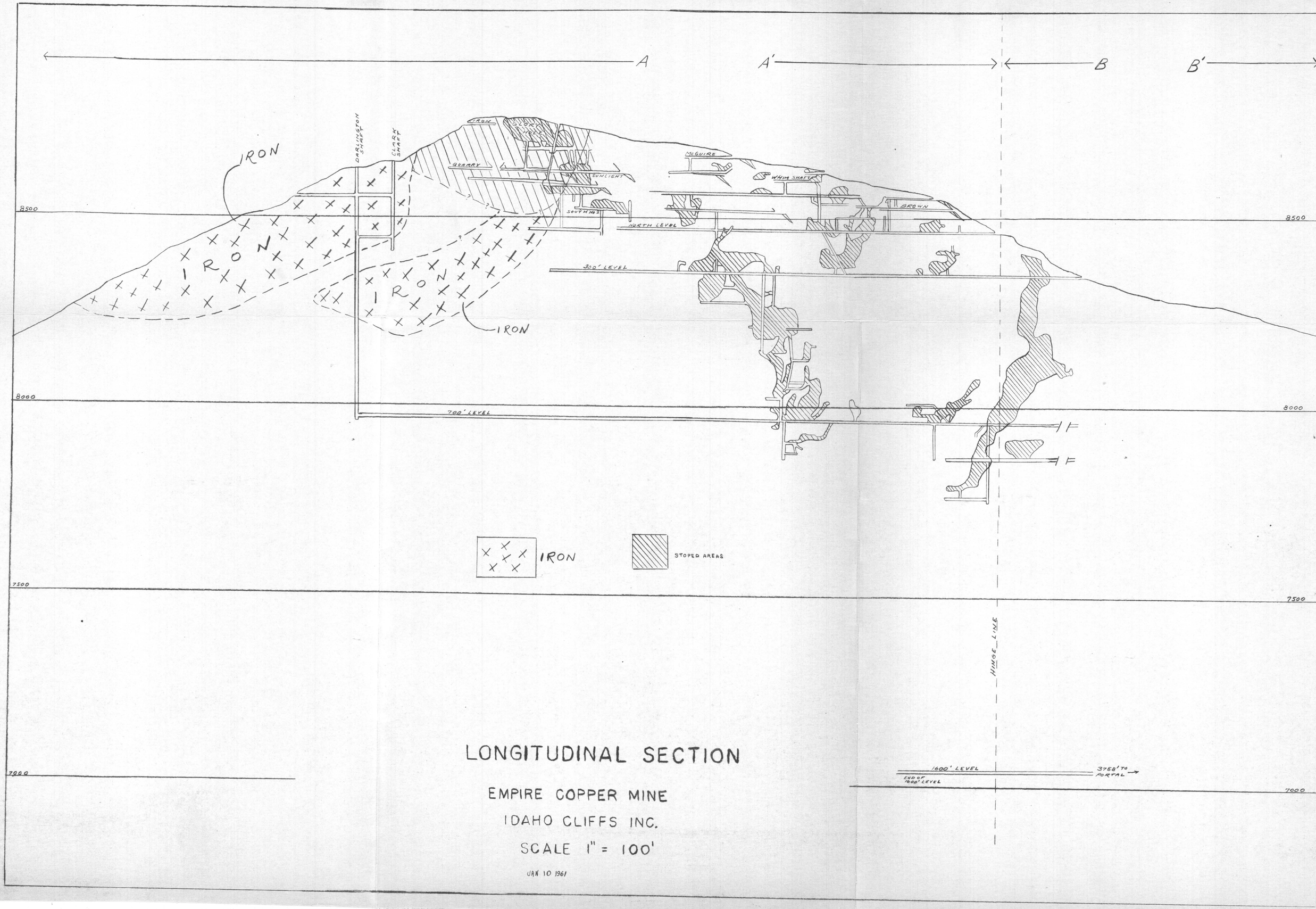
| | |
|---|---|
| IRON | 59.47 |
| PHOS | .058 |
| SIL. | 6.90 |
| SUL. | .012 |
| Copper | 0.66 |

## DRILL HOLE ASSAY

| NO. | DEPTH | IRON | PHOS | $SiO_2$ | SUL | CU. |
|---|---|---|---|---|---|---|
| HOLE 8 | 142-149 | 53.80 | .065 | 12.75 | .023 | |
| | 149-153 | 51.50 | .068 | 13.80 | .009 | |
| | 153-160 | 61.90 | .041 | 6.85 | .006 | |
| | 160-166 | 62.70 | .039 | 5.87 | .006 | |
| | 166-169 | 60.90 | .053 | 7.50 | .004 | |
| | 169-174 | 61.20 | .045 | 6.13 | .003 | |
| | 174-178 | 57.90 | .054 | 9.57 | .003 | |
| | 178-182 | 60.70 | .039 | 7.32 | .003 | |
| | 182-187 | 60.50 | .049 | 7.68 | .003 | |
| | 187-189 | 58.70 | .092 | 9.94 | .002 | |
| | 189-192 | 61.20 | .073 | 6.80 | .002 | |
| | 192-198 | 60.60 | .086 | 7.30 | .003 | |
| | 198-202 | 63.70 | .035 | 4.90 | .002 | |
| | 202-208 | 63.70 | .035 | 4.42 | .002 | |
| | 448-452 | 56.00 | .008 | 9.83 | .003 | |
| | 452-458 | 58.30 | .032 | 9.75 | .003 | |
| | 458-466 | 52.70 | .006 | 5.50 | .004 | |
| | 466-470 | 61.60 | .008 | 5.02 | .004 | |
| | 470-475 | 53.90 | .014 | 11.16 | .003 | |

## MX682 SAMPLE LINE 1800 N

| SAMPLE | IRON | COMPOSITE | CU. | COMPOSITE | PHOS | COMP | SIL. | COMP | SUL | COMP |
|---|---|---|---|---|---|---|---|---|---|---|
| 1580E - 1585E | 19.50 | | 0.35 | | | | | | | |
| 1585E - 1590E | 29.40 | | 0.42 | | | | | | | |
| 1590E - 1595E | 51.30 | | 0.21 | | | | | | | |
| 1595E - 1600E | 37.70 | | 0.20 | | | | | | | |
| 1600E - 1605E | 62.00 | | 0.36 | | .067 | | 5.65 | | .021 | |
| 1605E - 1610E | 61.90 | | 0.20 | | .067 | .067 | 5.65 | 5.65 | .021 | .021 |
| 1610E - 1615E | 60.90 | | 0.50 | | .067 | | 5.65 | | .021 | |
| 1615E - 1620E | 50.20 | | 0.62 | | | | | | | |
| 1620E - 1625E | 48.50 | | 0.82 | | | | | | | |
| 1625E - 1630E | 45.50 | 50.14 | 0.81 | 0.66 | | | | | | |
| 1630E - 1635E | 44.40 | | 1.01 | | | | | | | |
| 1635E - 1640E | 50.90 | | 0.86 | | | | | | | |
| 1640E - 1645E | 52.60 | | 0.55 | | | | | | | |
| 1645E - 1650E | 50.80 | | 0.76 | | | | | | | |
| 1650E - 1655E | 46.10 | | 0.96 | | | | | | | |
| 1655E - 1660E | 44.90 | | 1.25 | | | | | | | |
| 1660E - 1665E | 44.40 | | 0.81 | | | | | | | |
| 1665E - 1670E | 50.20 | | 0.65 | | | | | | | |
| 1670E - 1675E | 31.80 | | 0.65 | | | | | | | |
| 1675E - 1685E | 18.40 | | 0.16 | | | | | | | |
| 1440E - 1465E | 53.70 | 57.21 | 0.50 | 0.39 | | | | | | |
| 1465E - 1485E | 61.60 | | 0.25 | | | | | | | |




# LONGITUDINAL SECTION

EMPIRE COPPER MINE

IDAHO CLIFFS INC.

SCALE 1" = 100'

JAN 10 1961

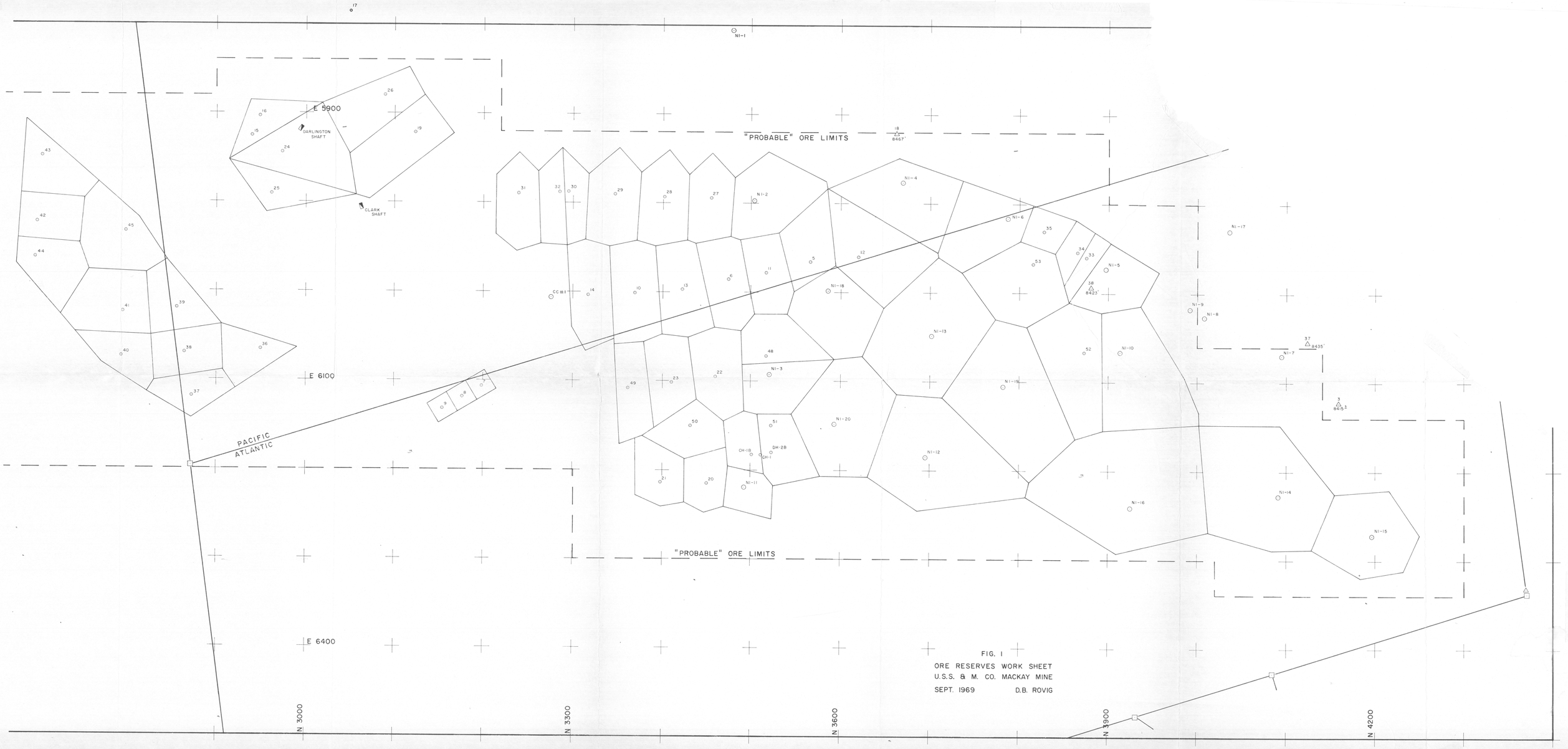
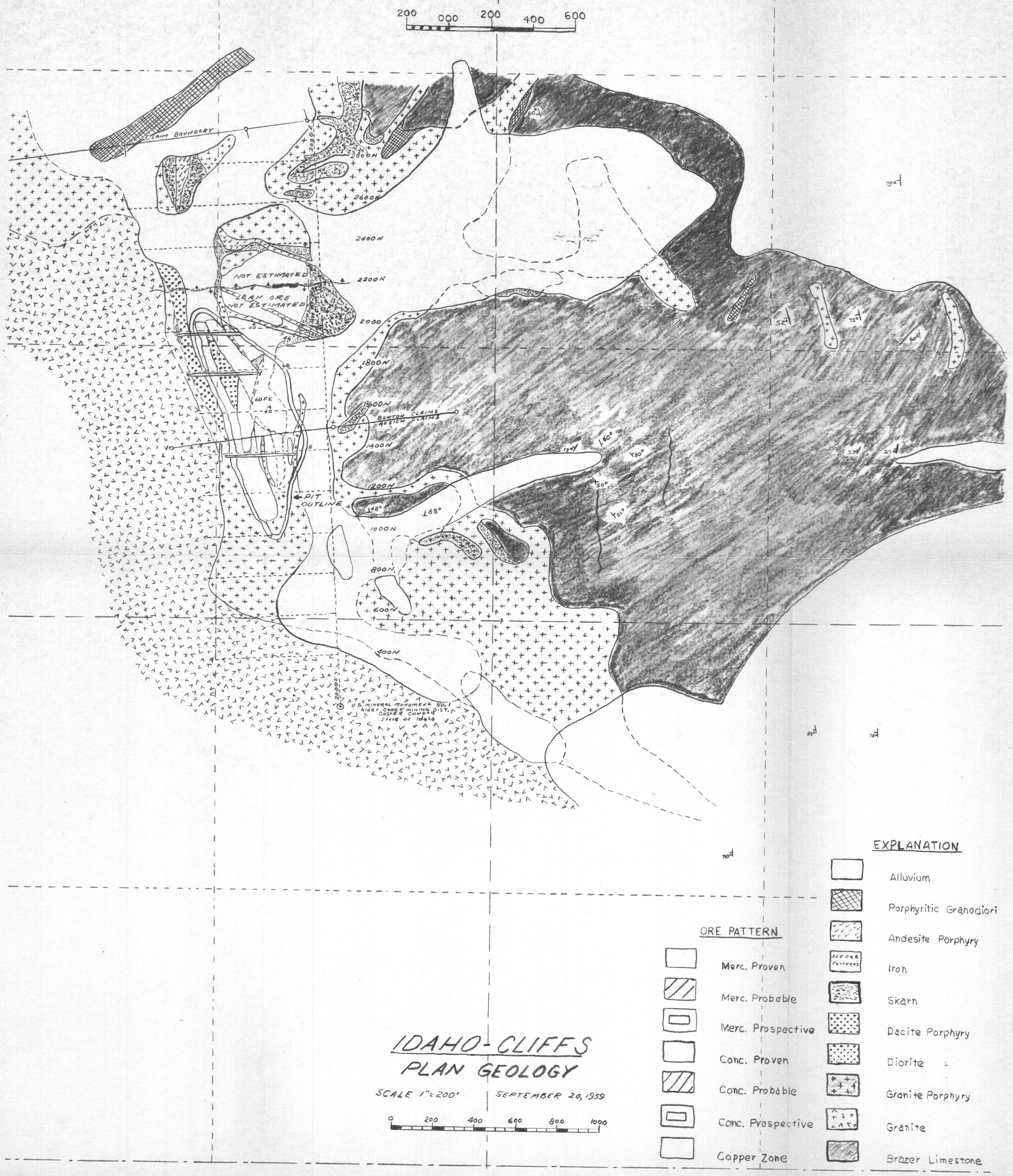
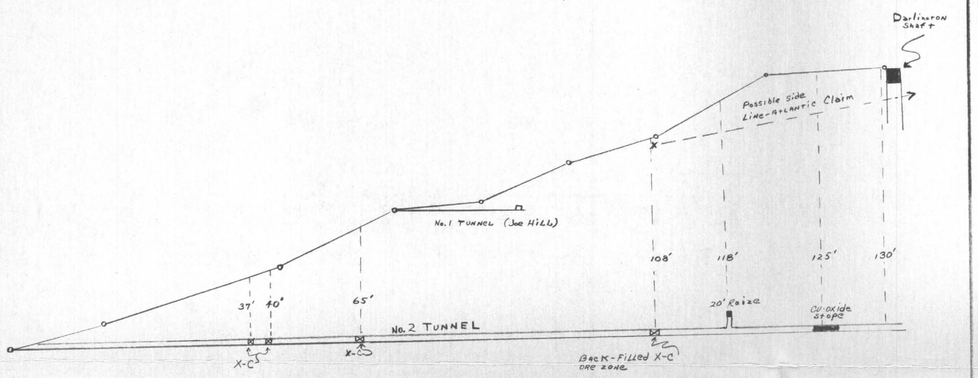



FIG. I
ORE RESERVES WORK SHEET
U.S.S. & M. CO. MACKAY MINE
SEPT. 1969 D.B. ROVIG

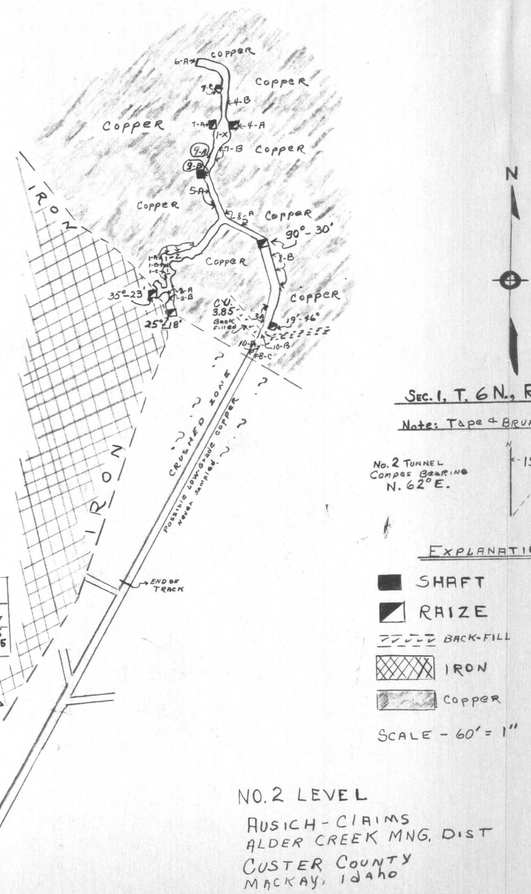
# SECTION 1, T. 6 N., R. 23 E.

TOWNSHIP 7N
TOWNSHIP 6N






## No. 2 TUNNEL LEVEL VERTICAL DISTANCES FROM SURFACE




N

### SAMPLE - ORE ZONE

| DATE | Sec | Gold | Silver | CU. |
|---|---|---|---|---|
| 3-21-34 | 1-A | .030 | 5.6 | 12.63 |
| " | 1-B | .020 | 5.7 | 11.76 |
| " | 1-C | TR | 0.6 | 4.43 |
| 4-12-34 | 2-A | " | 1.0 | 3.66 |
| " | 2-B | " | 0.2 | 0.67 |
| 9-21-35 | 3-A | .010 | 2.3 | 4.48 |
| 11-26-35 | 4-A | .020 | 10.0 | 18.94 |
| " | 4-B | TR. | 0.9 | 3.93 |
| 12-14-35 | 5-A | .015 | 5.0 | 18.85 |
| 6-24-37 | 6-A | .030 | 2.7 | 9.93 |
| 8-13-36 | 7-A | TR | 1.4 | 7.21 |
| " | 7-B | .010 | 3.3 | 16.08 |
| " | 7-C | TR. | 3.4 | 0.83 |
| " | 8-A | .015 | 3.2 | 7.52 |
| " | 8-B | .015 | 2.4 | 5.05 |
| " | 8-C | .010 | 0.4 | 0.31 |
| 4-11-36 | 9-A | .010 | 13.0 | 13.18 |
| " | 9-B | .010 | 19.2 | 20.18 |
| 11-19-46 | 10-A | .015 | .9 | 1.9 |
| " | 10-B | .015 | 2.0 | 1.4 |

### PRODUCTION RECORD

| DATE | Sec. | Gold | Silver | CU. | MARKET PRICE |
|---|---|---|---|---|---|
| 10-7-36 | 1-X | .01 | 6.6 | 8.8 | Copper = 6.85 Silver = .77 |
| 10-17-40 | 1-Z | .01 | 3.55 | 4.95 | Copper = 11.65 Silver = 70.625 |

Sec. 1, T. 6N., R. 23E.

Note: Tape & Brunton Survey

No. 2 Tunnel Compass Bearing N. 62° E.

N 19½° E

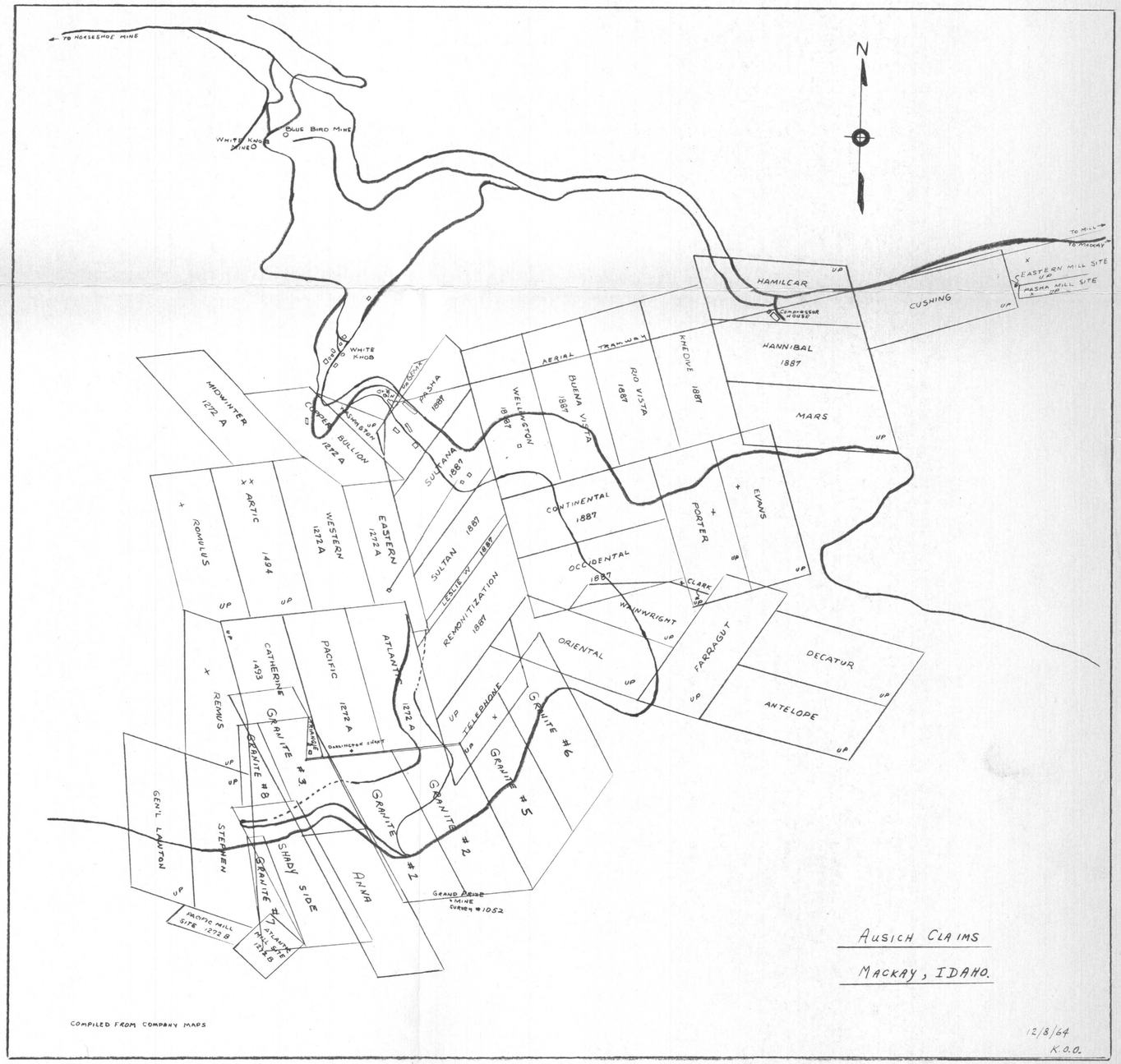
### EXPLANATION

- SHAFT
- RAIZE
- BACK-FILL
- IRON
- COPPER

SCALE - 60' = 1"

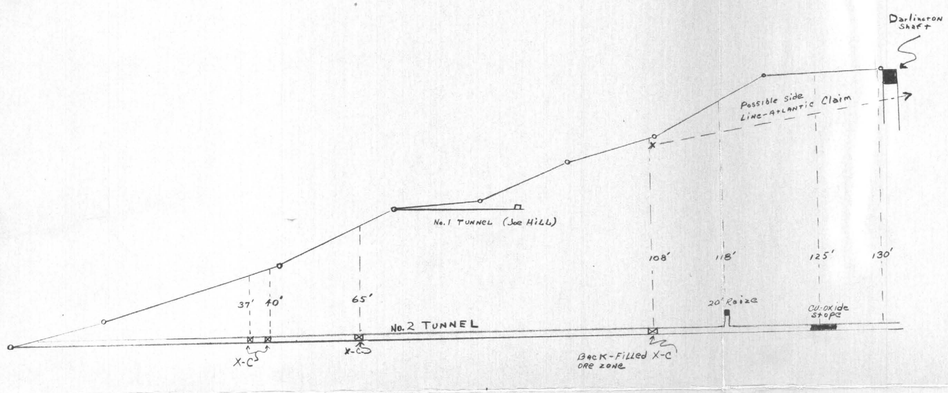
NO. 2 LEVEL
AUSICH - CLAIMS
ALDER CREEK MNG. DIST
CUSTER COUNTY
MACKAY, IDAHO
4-8-47

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

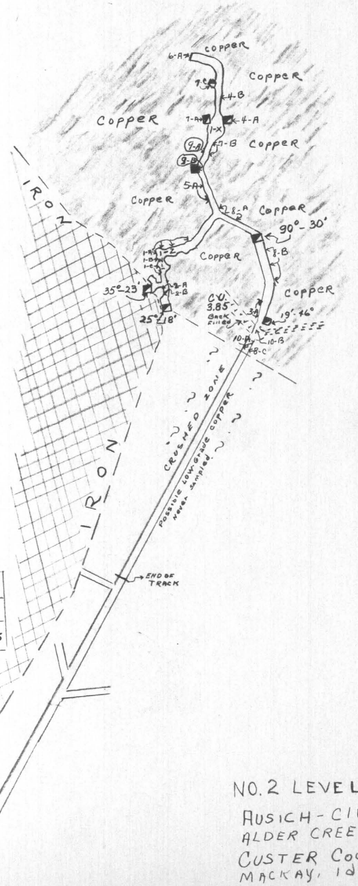



CLAIM MAP, EMPIRE MINE, CUSTER COUNTY.

SCALE 400 0 400 800 1200 FEET




No. 2 TUNNEL LEVEL VERTICAL DISTANCES FROM SURFACE




SAMPLE - ORE ZONE

| DATE | Sec | Gold | Silver | CU. |
|---|---|---|---|---|
| 3-21-34 | 1-A | .030 | 5.6 | 12.63 |
| " | 1-B | .020 | 5.7 | 11.76 |
| " | 1-C | TR | 0.6 | 4.43 |
| 4-12-34 | 2-A | " | 1.0 | 3.66 |
| " | 2-B | " | 0.2 | 0.67 |
| 9-21-35 | 3-A | .010 | 2.3 | 4.48 |
| 11-26-35 | 4-A | .020 | 10.0 | 18.94 |
| " | 4-B | TR. | 0.3 | 3.93 |
| 12-14-35 | 5-A | .05 | 5.0 | 18.85 |
| 6-24-37 | 6-A | .090 | 7.7 | 9.93 |
| 8-13-36 | 7-A | TR | 1.4 | 7.21 |
| " | 7-B | .010 | 3.3 | 16.08 |
| " | 7-C | TR. | 3.4 | 0.83 |
| " | 8-A | .015 | 3.2 | 7.52 |
| " | 8-B | .015 | 2.4 | 5.05 |
| " | 8-C | .010 | 0.4 | 0.31 |
| 4-11-36 | 9-A | .010 | 13.0 | 13.18 |
| " | 9-B | .010 | 19.2 | 20.18 |
| 11-19-46 | 10-A | .015 | .9 | 1.9 |
| " | 10-B | .015 | 2.0 | 1.4 |

PRODUCTION RECORD

| DATE | Sec. | Gold | Silver | CU. | MARKET PRICE |
|---|---|---|---|---|---|
| 10-7-36 | 1-X | .01 | 6.6 | 8.8 | Copper = 6.85 Silver = .77 |
| 10-17-40 | 1-Z | .01 | 3.55 | 4.95 | Copper = 11.65 Silver = 70.625 |

N

SEC. 1, T. 6N., R. 23E.

Note: Tape & BRUNTON SURVEY

No. 2 TUNNEL COURSE BEARING N. 62° E.

N 19½° E

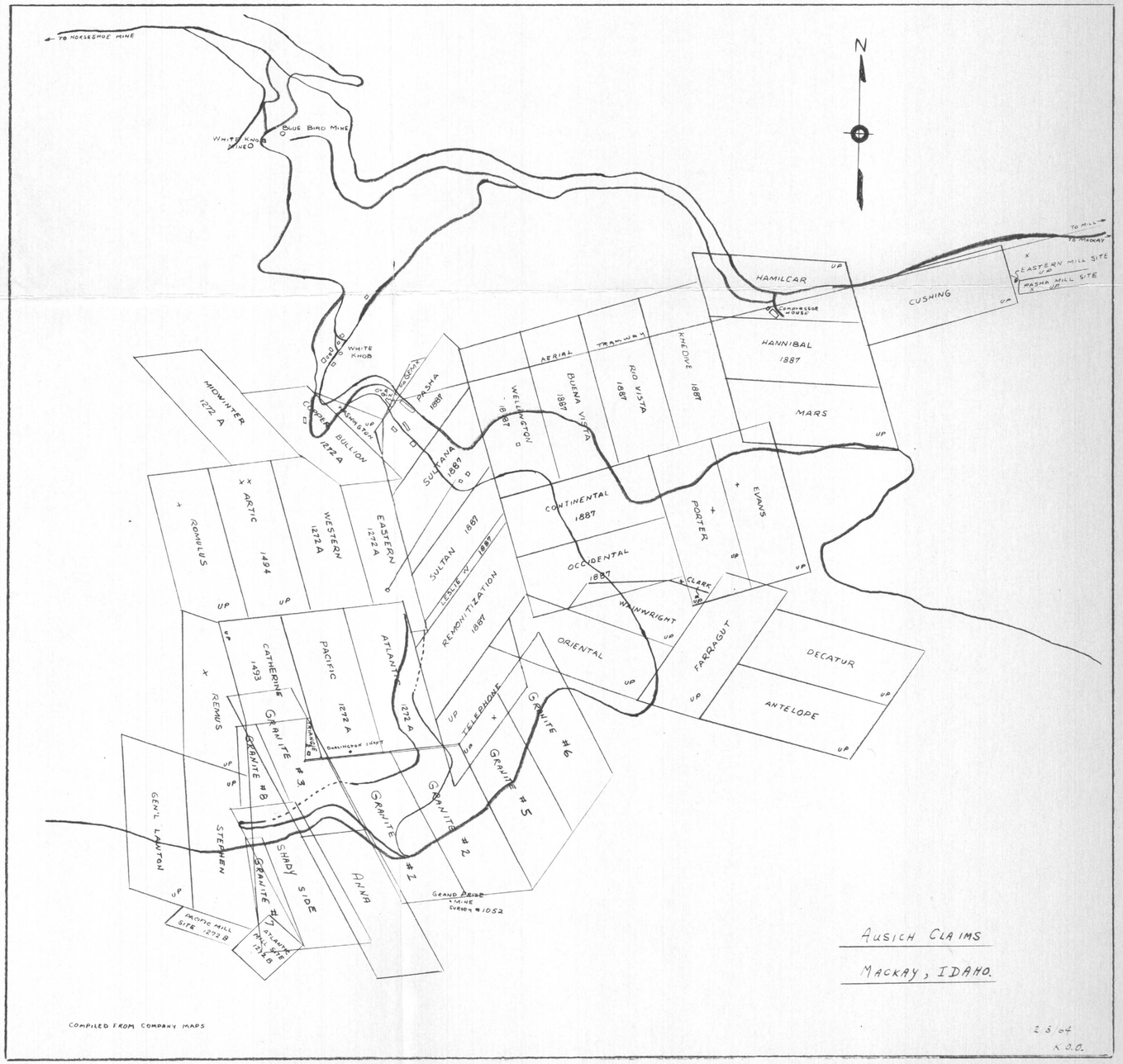
EXPLANATION

SHAFT
RAIZE
BACK-FILL
IRON
COPPER

SCALE - 60' = 1"

NO. 2 LEVEL
AUSICH-CLAIMS
ALDER CREEK MNG. DIST
CUSTER COUNTY
MACKAY, IDAHO
4-8-47

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY




AUSICH CLAIMS

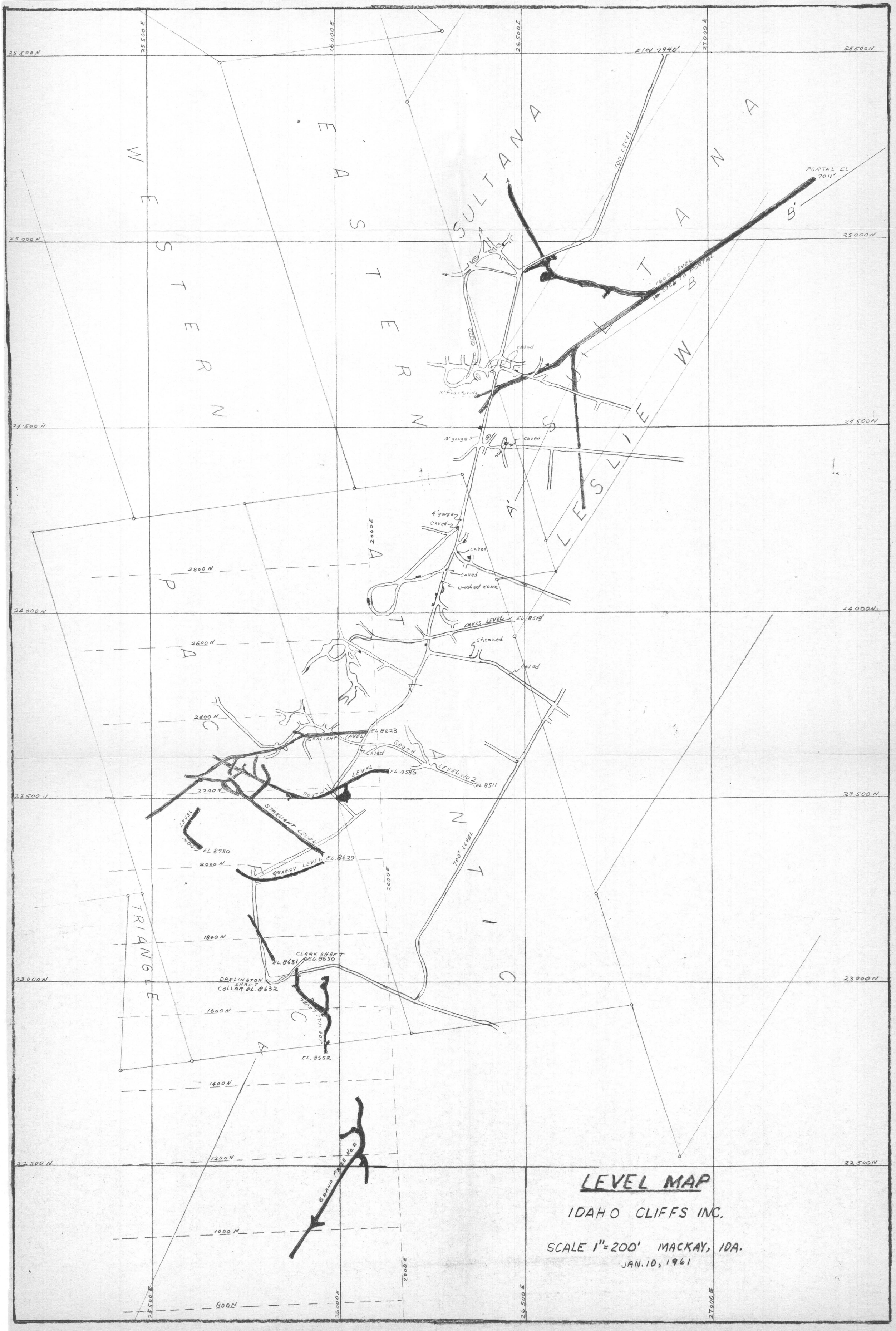
MACKAY, IDAHO.

COMPILED FROM COMPANY MAPS

2 S 04
K.O.O.

CLAIM MAP, EMPIRE MINE, CUSTER COUNTY.

SCALE 400 0 400 800 1200 FEET

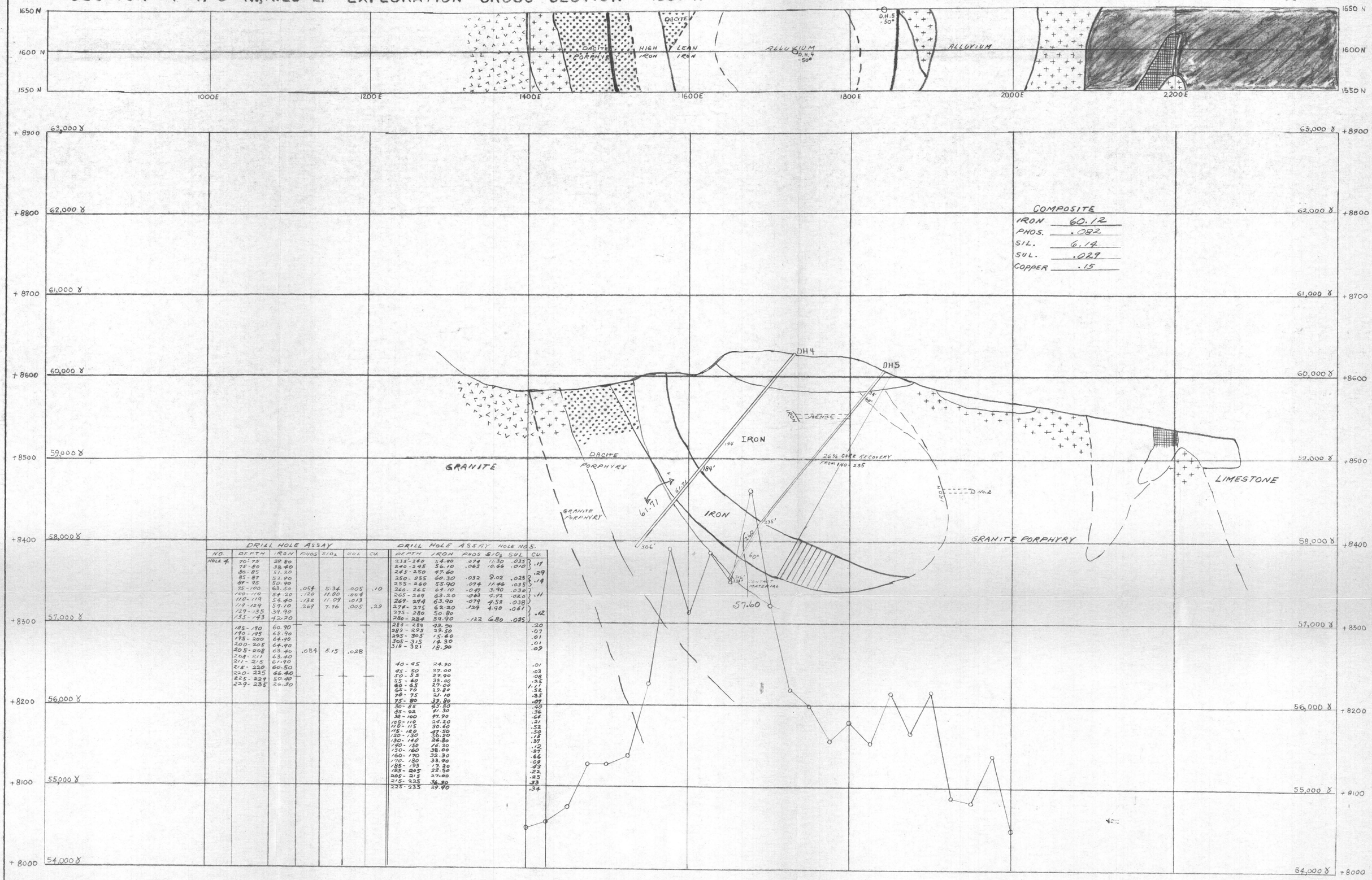

LEVEL MAP
IDAHO CLIFFS INC.
SCALE 1"=200' MACKAY, IDA.
JAN. 10, 1961
SULTANA
WESTERN ADAMS
SULTANA
LESLIE
ADAMS
TRIANGLE
ELEV 7940'
700 LEVEL
PORTAL EL 7011'
1600 LEVEL
3758 TO PORTAL
B
B'
A
A'
caved
3' fracturing
3' gouge
4' gouge
crushed zone
DAVIS LEVEL EL. 8519'
sheared
SUNLIGHT LEVEL EL 8623
SOUTH LEVEL EL 8586
LEVEL NO 2 EL 8511
STARLIGHT LEVEL
LEVEL NO 1 EL 8750
QUARRY LEVEL EL. 8629
700' LEVEL
CLARK SHAFT EL. 8650
EL. 8631
DARLINGTON SHAFT COLLAR EL. 8632
LITTLE JOE LEVEL
EL. 8552
GRAND PRIZE NO 2
25500N
25000N
24500N
24000N
23500N
23000N
22500N
2800N
2600N
2400N
2200N
2000N
1800N
1600N
1400N
1200N
1000N
800N
25500E
26000E
26500E
27000E
2000E

THE CLEVELAND-CLIFFS IRON CO.

IDAHO CLIFFS INC.

# SECTION 1 T. 6 N., R. 23 E. EXPLORATION CROSS-SECTION 1600 N LOOKING NORTH

MAGNETIC SCALE 1" = 500 γ
SCALE 1" = 50 FT.




DRILL HOLE ASSAY

| NO. | DEPTH | IRON | PHOS | $SiO_2$ | SUL | CU |
|---|---|---|---|---|---|---|
| HOLE 4 | 70'-75 | 28.80 | | | | |
| | 75-80 | 38.40 | | | | |
| | 80-85 | 51.20 | | | | |
| | 85-87 | 53.90 | | | | |
| | 87-95 | 50.90 | | | | |
| | 95-100 | 63.50 | .054 | 5.34 | .005 | .10 |
| | 100-110 | 54.20 | .120 | 11.00 | .004 | |
| | 110-119 | 54.40 | .132 | 11.09 | .013 | |
| | 119-129 | 57.10 | .269 | 7.76 | .005 | .29 |
| | 129-135 | 39.90 | | | | |
| | 135-143 | 42.20 | | | | |
| | 185-190 | 60.90 | — | — | — | — |
| | 190-195 | 65.90 | | | | |
| | 195-200 | 64.90 | | | | |
| | 200-205 | 64.90 | | | | |
| | 205-208 | 63.40 | .084 | 5.15 | .028 | |
| | 208-211 | 63.40 | | | | |
| | 211-215 | 61.90 | | | | |
| | 215-220 | 60.50 | | | | |
| | 220-225 | 66.40 | — | — | — | — |
| | 225-229 | 50.40 | | | | |
| | 229-235 | 26.30 | | | | |

DRILL HOLE ASSAY HOLE NO. 5.

| DEPTH | IRON | PHOS | $SiO_2$ | SUL | CU |
|---|---|---|---|---|---|
| 235-240 | 54.90 | .074 | 11.30 | .035 | .17 |
| 240-245 | 56.10 | .085 | 10.66 | .010 | |
| 245-250 | 47.60 | | | | .29 |
| 250-255 | 60.30 | .032 | 9.02 | .028 | |
| 255-260 | 55.90 | .074 | 11.46 | .035 | .14 |
| 260-265 | 64.10 | .047 | 3.90 | .030 | |
| 265-269 | 63.20 | .083 | 4.92 | .020 | .11 |
| 269-274 | 63.90 | .079 | 4.52 | .038 | |
| 274-275 | 62.20 | .129 | 4.90 | .061 | |
| 275-280 | 50.80 | | | | .12 |
| 280-284 | 59.90 | .122 | 6.80 | .025 | |
| 284-289 | 43.90 | | | | .20 |
| 289-295 | 29.50 | | | | .07 |
| 295-305 | 15.60 | | | | .01 |
| 305-315 | 14.30 | | | | .01 |
| 315-321 | 18.90 | | | | .03 |
| 40-45 | 24.90 | | | | .01 |
| 45-50 | 27.00 | | | | .03 |
| 50-55 | 27.90 | | | | .08 |
| 55-60 | 33.00 | | | | .25 |
| 60-65 | 27.00 | | | | 1.61 |
| 65-70 | 23.80 | | | | .52 |
| 70-75 | 21.10 | | | | .35 |
| 75-80 | 32.80 | | | | .07 |
| 80-85 | 45.80 | | | | .09 |
| 85-92 | 41.30 | | | | .36 |
| 92-100 | 47.90 | | | | .64 |
| 100-110 | 24.20 | | | | .21 |
| 110-115 | 30.60 | | | | .52 |
| 115-120 | 27.50 | | | | .50 |
| 120-130 | 30.20 | | | | .18 |
| 130-140 | 26.80 | | | | .37 |
| 140-150 | 16.30 | | | | .12 |
| 150-160 | 38.00 | | | | .27 |
| 160-170 | 32.30 | | | | .66 |
| 170-180 | 33.90 | | | | .08 |
| 185-195 | 17.20 | | | | .43 |
| 195-205 | 22.50 | | | | .22 |
| 205-215 | 27.00 | | | | .25 |
| 215-225 | 36.30 | | | | .33 |
| 225-235 | 29.90 | | | | .34 |

APR 5 1961