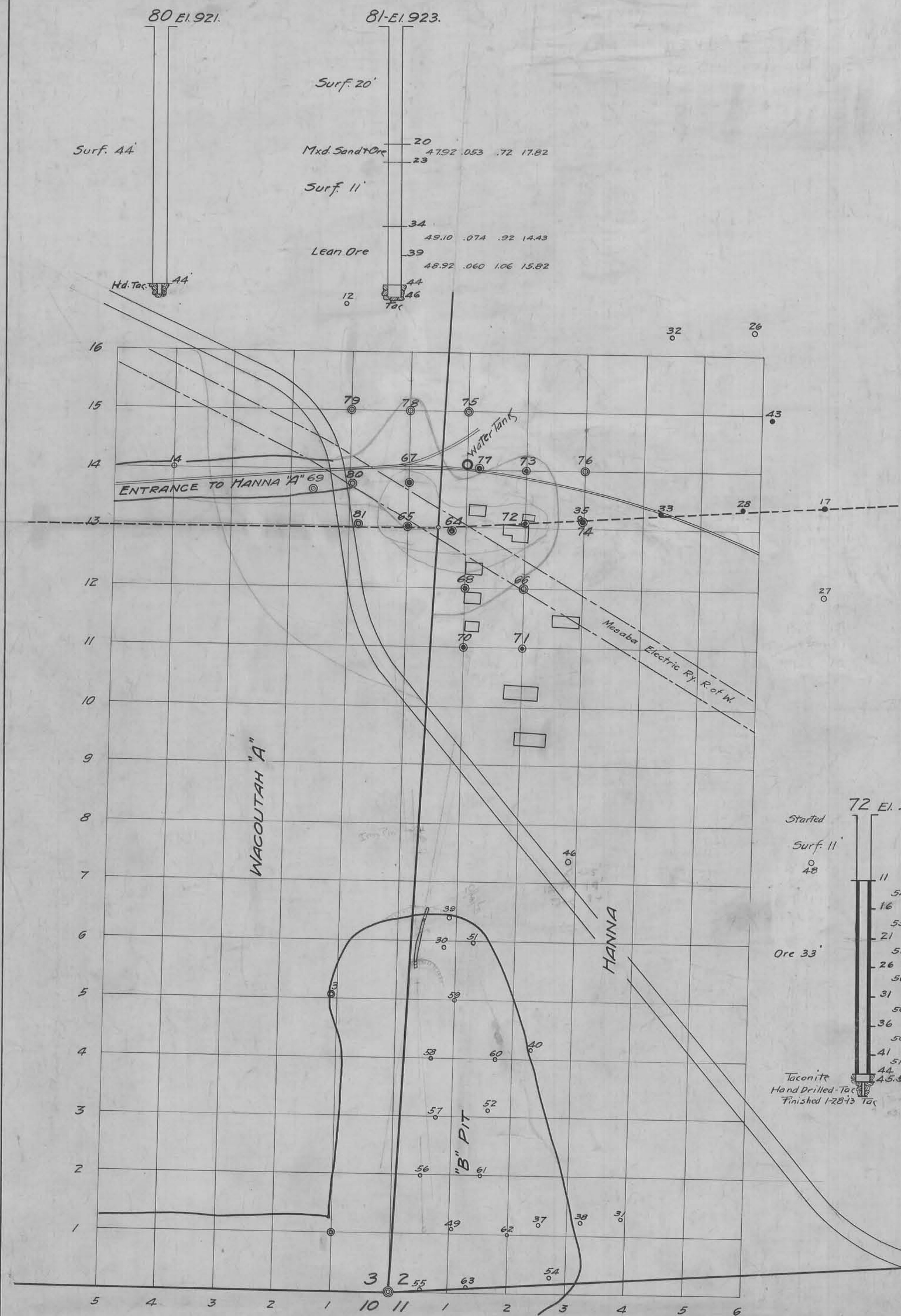




80 El. 921.

Surf. 44'

Mxd. Sand + Ore

Surf. 11'

Lean Ore

Hd. Tac. 44'

12'

46'

70'

81-El. 923.

Surf. 20'

20 47.92 .053 .72 17.82

23

34 49.10 .074 .92 14.43

39 48.92 .060 1.06 15.82

44'

46'

70'

64 El. 922.1

Surf. 4'

Hand drilled

4 48.37 .052 .76 14.80

6 42.08 .053 .84 23.16

11 50.79 .053 .66 14.55

16 53.78 .038 .50 14.60

21 55.60 .048 1.20 8.65

24 51.87 .057 1.30 11.10

32 54.87 .057 1.04 8.35

40 53.28 .060 1.08 8.70

45

Ore.

50

65 El. 924.3

Surf. 7'

7 51.84 .066 .66 11.06

10 55.97 .052 .48 8.50

15 54.11 .043 .32 11.50

20 57.32 .051 .54 7.76

25 58.08 .062 .56 7.50

30 57.62 .060 .62 6.80

35 52.91 .053 1.60 8.17

40 50.11 .056 1.41 10.23

45

Ore with seams of taconite

Average stock pile sample

54.83 .059 .67 7.80 5.24 .178

66 El. 918.5

Surf. 12'

12

Mixed lean ore and taconite with narrow seams of ore 15'

27

67 El. 921.1

Surf. 21'

21 55.24 .063 1.20 8.73

26 52.96 .060 1.30 7.97

31 53.48 .060 1.35 7.36

39

68 El. 921.8

Surf. 7'

7 44.67 .047 .50 25.84

12 52.90 .055 .70 13.07

17 53.03 .042 .70 12.55

22 48.67 .040 .84 18.22

27 47.26 .048 .62 19.67

32 46.64 .033 .57 19.21

37 40.78 .039 .60 30.10

42 54.11 .053 .67 9.70

47 44.53 .060 .61 21.31

52

53

Tac.

69 El. 921.9

Surf. 43'

43'

Tac.

70 El. 922.0

Surf. 14'

Lean Ore

14 43.26 .038 .50 25.16

19 46.11 .042 .61 21.68

24 43.40 .038 .86 23.00

29 48.26 .040 1.00 16.78

34 43.70 .055 .98 21.45

39

39 1/2

Tac.

Hand Drilled 2 1/2"

71 El. 918.0

Started 1-4-13

Surf. 9'

9 46.31 .050 .50 19.65

14 48.30 .036 .74 18.46

19 39.34 .037 .66 27.73

24 37.36 .040 .50 31.49

27 1/2

Tac.

72 El. 917.8

Started

Surf. 11'

48

Ore 33'

11 54.24 .058 .80 10.70

16 55.58 .058 .85 8.97

21 51.67 .048 1.25 10.02

26 50.69 .046 .94 12.87

31 50.53 .062 .80 12.32

36 50.98 .050 .93 13.17

41 51.21 .050 .70 13.02

44 45.5

Taconite

Hand Drilled - Tac

Finished 1-28-13 Tac

73 El. 918.0

Started 1-29-13

Surf. 13

13 49.01 .048 1.23 19.28

18 43.07 .070 1.14 23.37

23 47.31 .050 1.27 16.71

29 51.50 .065 1.27 8.40

35

37

40

Taconite

Finished 2-6-13

74 El. 916.2

Started 2-6-13

Surf. 7

7 51.93 .054 .82 11.97

12 45.59 .053 1.25 17.97

17 22.38.54 .028 .52 32.25

22 36.19 .042 .32 35.05

27 32.16 .028 .28 40.54

32 34.04 .052 .52 36.98

37 36.47 .038 .91 32.80

41

75 El. 918.4

Started 2-10-13

Surf. 23'

17

23

30

30.50 .049 .67 44.36

Hd. Cherty Tac.

76 El. 915.9

Surf. 16'

16 37.40 .046 1.50 31.11

21 47.12 .062 1.75 13.78

26 33.71 .032 .80 37.20

31 39.02 .046 .67 32.35

36 1/2"

Stopped 2-25-13

Hd. Cherty Tac.

77 El. 920.1

Surf. 17

17 39.71 .051 .78 31.24

22 47.09 .047 .63 20.93

27 35.82 .042 1.43 33.52

32

Ore

Stopped 2-24-13

78 El. 920.1

Started 2-25-13

Dump 4'

Surf. 21'

25 55.21 .063 .29 10.53

30 52.57 .065 .38 14.25

33

79 El. 922.0

Surf. 33'

Hd. Tac.

TEST-PIT EXPLORATION
HANNA MINE
APRIL 1, 1913.

Roll 2

JAN. 1 - 1943
O.E. EDSTROM

NW 1/4 SE 1/4 Sec. 3-58-10

WACOOTAH STRIPPING DUMP
NE 1/4 SE 1/4 SEC. 3-58-18

HANNA
NW 1/4 SW 1/4 SEC. 2-58-10

WACOOTAH
SW 1/4 SE 1/4 SEC. 3-58-18

WACOOTAH
1/4 SW 1/4 SEC. 3-58-18

0	SW 1/4	SE 1/4	SEC. 2-58-18
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WACOOTAH STRIPPING DUMP		
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177,480 TONS

575,600 TONS

IRON PHOS. SIL. MN. AL. SULF. MOIST NAT. I.

753,000 TONS
Iron Phos. Sil. Mg. Al. Mn.

BRUNT MINE
N 1/2. NE 1/4 SEC. 10-58-18

WACOOTAH "B"
N.W. 1/4 - NW. 1/4 SEC. 11-58-18

IROQUOIS MINE
NE 1/4 N.W. 1/4 SEC. 10-58-18

IROQUOIS MILLING PIT

WHEELING STEEL CORPORATION
MAP OF THE
WACOOTAH MINE
AND
VICINITY
PART OF SEC 2-3-10&11-58-18
SCALE 1"=100'
TRACING JAN 1 1948

