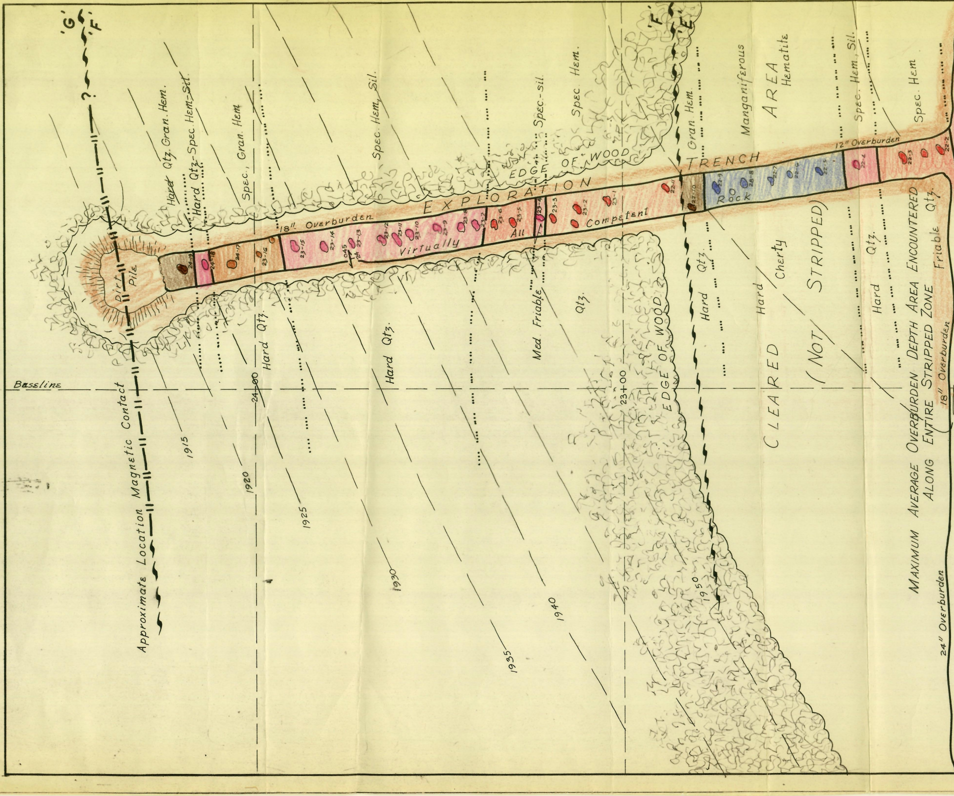
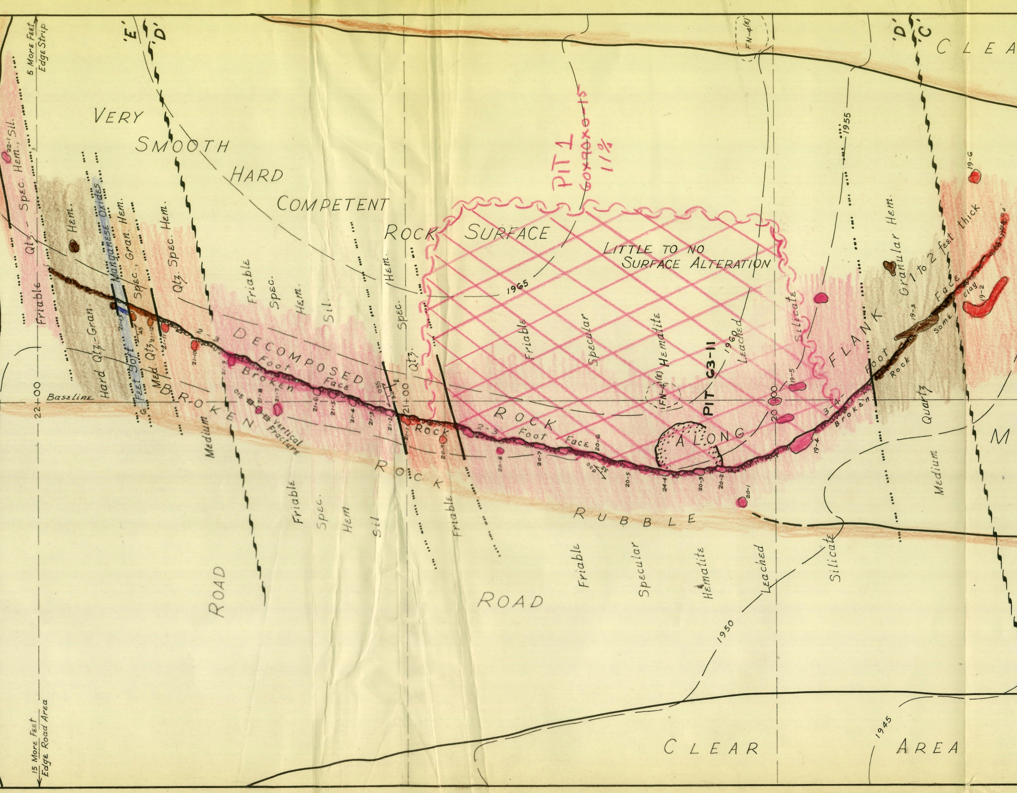
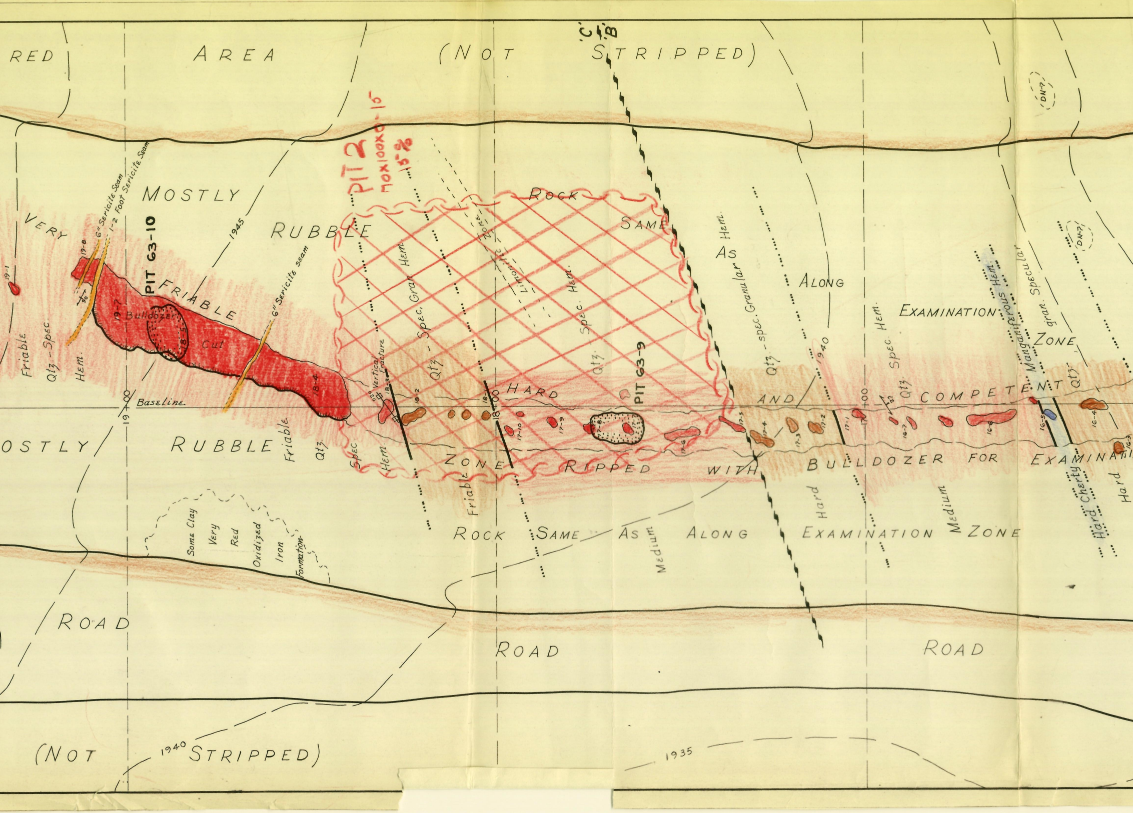
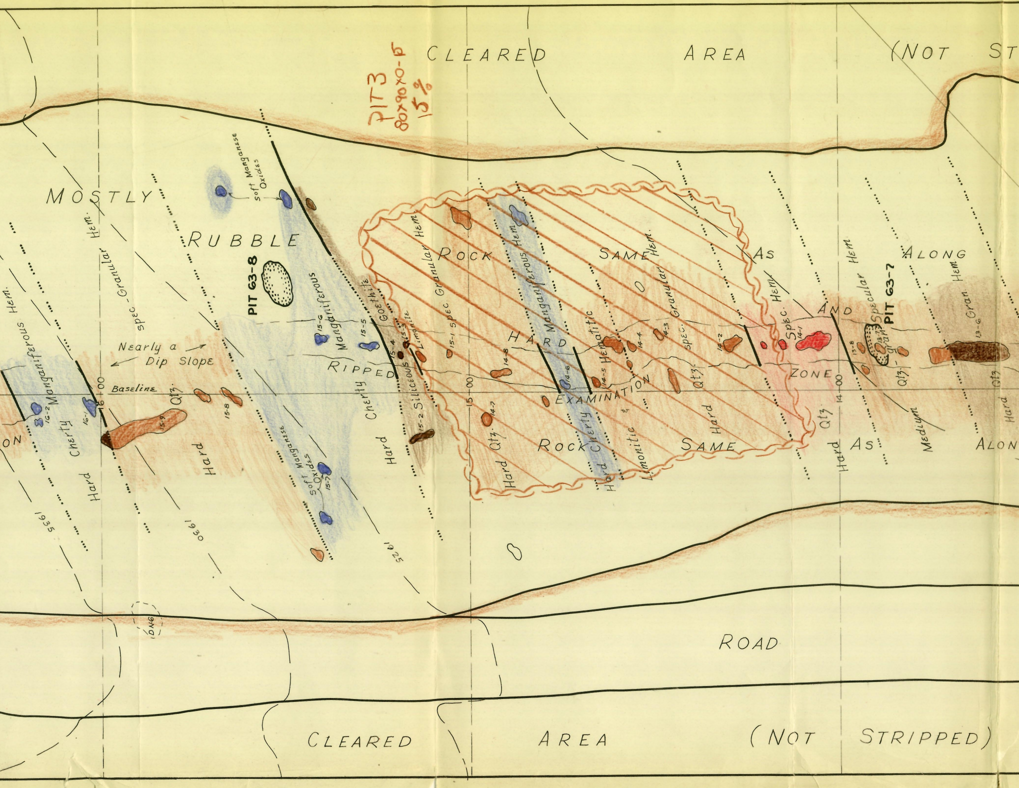
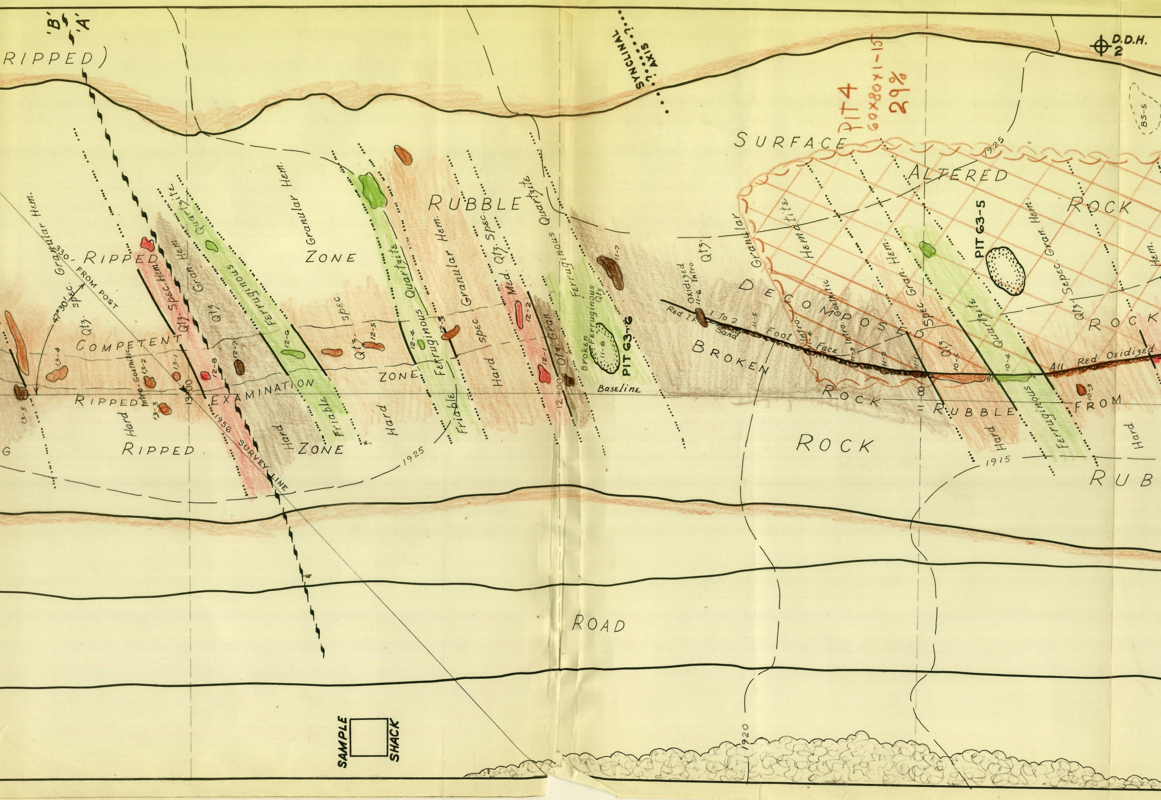
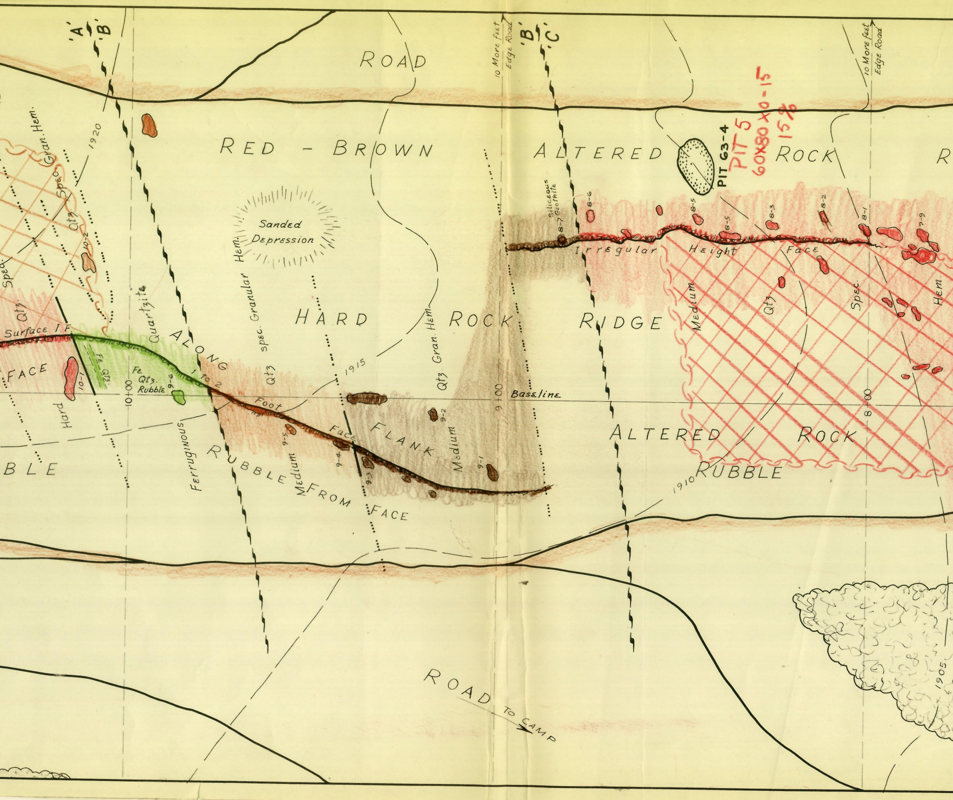

'G'
'F'
'F'
'E'
Approximate Location Magnetic Contact
?
Baseline
1915
1920
1925
1930
1935
1940
1950
24+00
23+00
Dirt Pile
Hard Qtz. Gran. Hem.
Hard Qtz.-Spec. Hem.-Sil.
Spec., Gran. Hem.
Spec. Hem., Sil.
Spec.-sil.
Spec. Hem.
Spec. Hem. Sil.
EDGE OF WOOD
EXPLORATION TRENCH
18" Overburden
Virtually All Competent
12" Overburden
No Rock
Hard Qtz.
Hard Qtz.
Med. Friable
Qtz.
EDGE OF WOOD
Gran. Hem.
Hard Qtz.
Manganiferous Hematite AREA
Hard Cherty
CLEARED (NOT STRIPPED)
Spec. Hem., Sil.
Hard Qtz.
Spec. Hem.
Friable Qtz.
18" Overburden
24" Overburden
MAXIMUM AVERAGE OVERBURDEN DEPTH AREA ENCOUNTERED ALONG ENTIRE STRIPPED ZONE
24-19
24-18
24-17
23-16
23-15
23-14
23-13
045
23-12
23-11
23-10
23-9
23-8
23-7
23-6
23-5
23-4
23-3
23-2
23-1
22-11
22-10
22-9
22-8
22-7
22-6
22-5
22-4
22-3
22-2

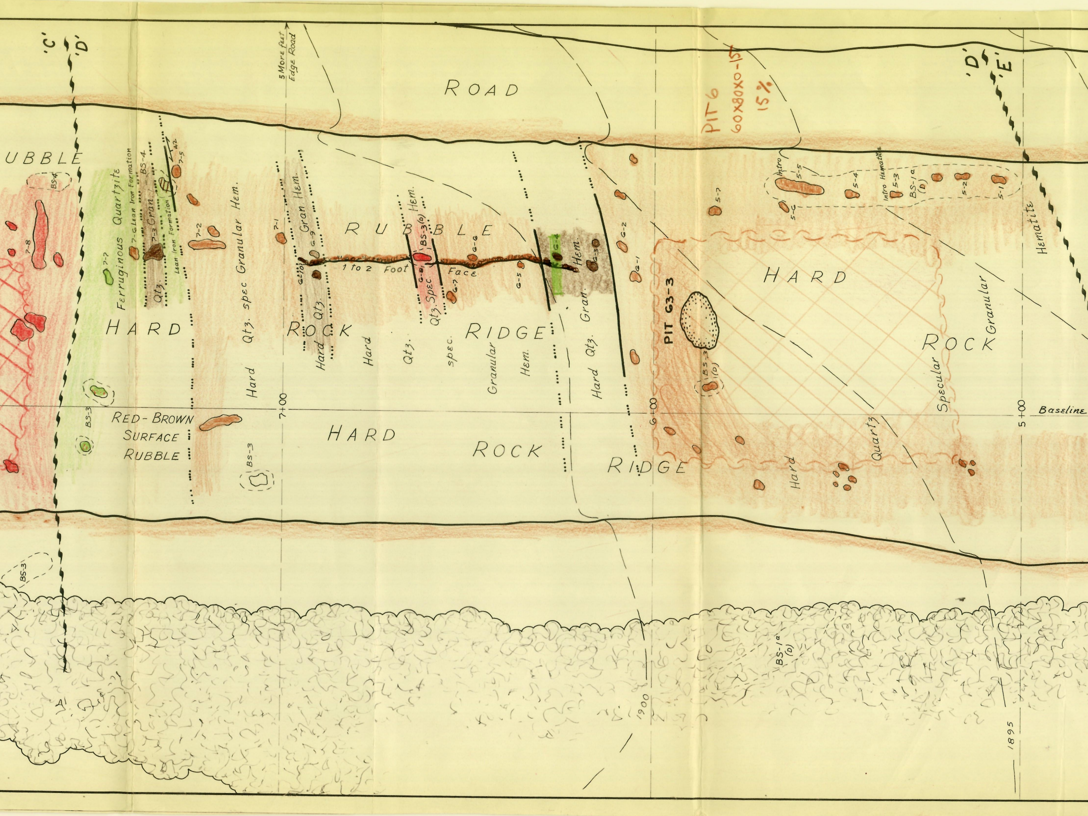

5 More Feet Edge Strip
'E'
'D'
'D'
'C'
CLEA
VERY SMOOTH HARD COMPETENT ROCK SURFACE
PIT 1
~~60x90x0-15~~
11%
LITTLE TO NO SURFACE ALTERATION
22-1
Sil.
Spec. Hem.,
Qtz. -
Friable
Hem.
Manganese Oxides
Gran. Hem.
Spec.,
Qtz. Spec. Hem.
Hard Qtz.-Gran
Feet Soft
Med. Qtz.
21-13
21-12
21-11
21-10
21-9
45
2-3
DECOMPOSED
Foot
Face
Broken
BROKEN
Medium
015
21-8
21-7
Vertical Fracture
21-6
21-5
21-4
21-3
21-2
21-1
035
Friable
Spec.
Hem.
Sil.
Hem.
Spec.
Qtz.
22+00
Baseline
21+00
1965
Friable
Specular
Hematite
FN-4(E)
PIT C3-11
1960
Leached
Silicate
19-5
20+00
FLANK
Foot
Rock
Broken
3-4
19-4
Granular Hem.
1 to 2 feet thick
Face
clay
19-2
19-3
Some
19-6
Quartz
Medium
M
1955
FN-4(E)
ROCK
2-3
Foot
Face
Rock
20-9
20-8
20-7
20-6
020
35
20-5
24-4
ALONG
20-3
20-2
20-1
ROCK
RUBBLE
Friable
Spec.
Hem
Sil
Friable
Friable
Specular
Hematite
Leached
Silicate
ROAD
ROAD
1950
1945
CLEAR
AREA
15 More Feet Edge Road Area

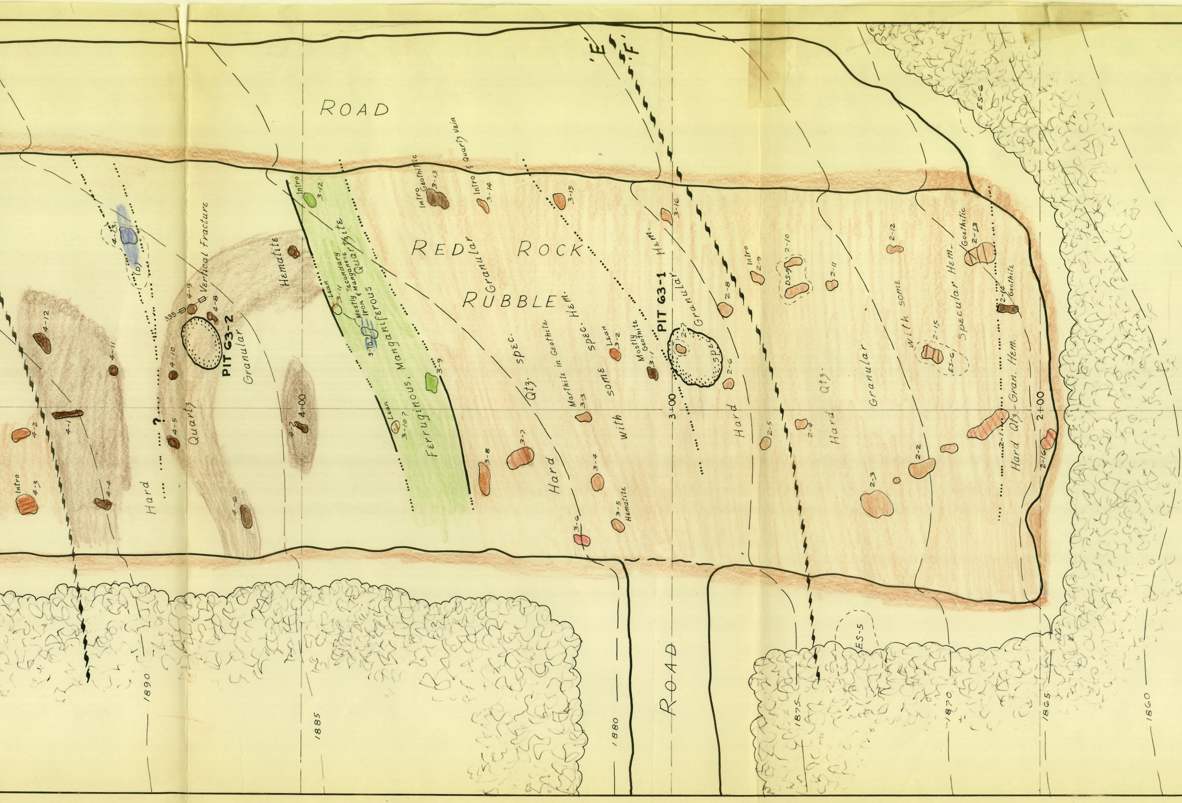

RED AREA (NOT STRIPPED)
'C' 'B'
PIT 2
110x100x0-15'
15%
ROCK SAME AS ALONG EXAMINATION ZONE
MOSTLY RUBBLE
VERY FRIABLE
1945
6" Sericite Seam
1-2 Foot Sericite Seam
PIT 63-10
Bulldozer Cut
6" Sericite seam
19-1
19-8
19-7
18-5
18-4
Friable Qtz-Spec Hem.
Baseline
19+00
18+00
17+00
Vertical Fracture
18-3
18-2
18-1
Spec Gran Hem.
Qtz-Spec
Limonitic Zone
Spec. Hem.
Qtz.
PIT 63-9
HARD AND COMPETENT ZONE RIPPED WITH BULLDOZER FOR EXAMINATION
17-10
17-9
17-8
17-7
17-6
17-5
17-4
17-3
17-2
17-1
16-7
16-6
16-5
16-4
16-3
Hem.
Qtz.-spec. Granular Hem.
1940
Spec Hem.
Manganiferous Hem.
gran. Specular
DN-7
MOSTLY RUBBLE
Friable Qtz
Spec Hem.
Friable
Some Clay Very Red Oxidized Iron Formation
ROCK SAME AS ALONG EXAMINATION ZONE
Medium
Hard
Medium
Hard Cherty
Hard
ROAD
ROAD
ROAD
(NOT 1940 STRIPPED)
1935

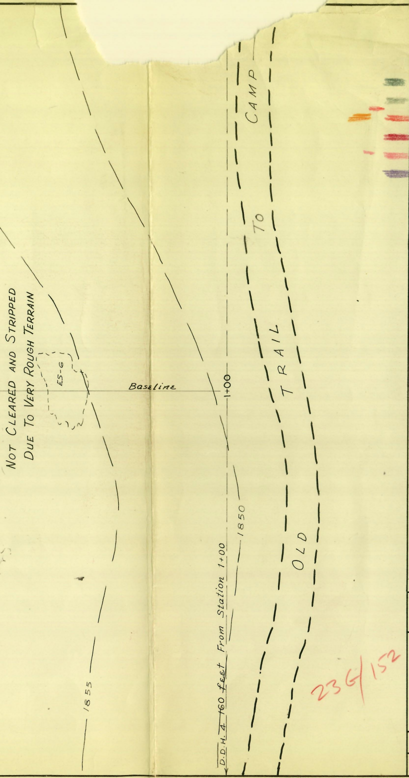

CLEARED AREA (NOT ST
PIT 3
80x90x0-15
15%
MOSTLY RUBBLE
Soft Manganese Oxides
PIT 63-8
Hem.
Manganiferous
Cherty
Hard
Hem.
spec-Granular
Nearly a Dip Slope
Baseline
16+00
16-2
16-1
ON
Qtz.
15-9
15-8
Hard
1935
1930
1925
Soft Manganese Oxides
15-7
15-6
Manganiferous
15-5
Goethite
Cherty
Hard
RIPPED
15-4
15-3
Limonite
15-2
Siliceous
Granular Hem.
15-1 spec
15-00
ROCK
Hard
Qtz.
14-7
14-8
HARD
Manganiferous Hem.
14-6
Cherty
Hard
ROCK
EXAMINATION
14-5
Hematitic
Limonitic &
SAME
Hem.
Granular
14-4
14-3
spec.
Qtz.
Hard
14-2
SAME
As
Hem.
Spec.
14-1
AND
ZONE
14-00
Qtz.
Hard
As
Hem
Specular
PIT 63-7
13-8
13-7
gran
Qtz.
Medium
ALONG
Hem
Gran
13-6
Qtz
Hard
ALON
DNG
ROAD
CLEARED AREA (NOT STRIPPED)


'B'
'A'
RIPPED)
SYNCLINAL ? AXIS ?
D.D.H. 2
PIT 4
60x80x1-15
29%
SURFACE
ALTERED
ROCK
BS-5
1925
RUBBLE
ZONE
Granular Hem.
Hem.
Granular Hem.
330- FROM POST
47°30'
spec.
Qtz.
RIPPED
Spec. Hem.
Qtz.
Gran. Hem.
Gran.
Quartzite
Qtz.
Ferruginous
COMPETENT
13-4
13-5
13-2
Intro-Goethitic
13-1
13-3
13+00
12-8
12-7
12-6
12-5
12-4
12-3
12-2
12-1
RIPPED
EXAMINATION
Hard
G
RIPPED
1956 SURVEY LINE
Hard
ZONE
Friable
spec
Qtz.
Quartzite
Ferruginous
Granular
Hem.
ZONE
Friable
Hard
spec.
Spec.
Qtz.
Hard
Med.
Qtz.
Quartzite
Gran
Qtz.
12+00
Ferruginous
Ferr
Broken
Ferruginous
Qtz
11-8
PIT 63-6
11-7
Baseline
Oxidized Intro
11-6
Qtz.
Red I.F.
1 to 2
Sand
11-5
Foot
Face
Intro.
11-4
Goethitic
Intro.
11-3
11-2
11-1
Granular
Hematite
DECOMPOSED
BROKEN
ROCK
Gran.
Hem.
Spec.
11+00
RUBBLE
ROCK
Qtz.
10-5
Quartzite
10-4
PIT 63-5
Gran. Hem.
Sepec.
Qtz.
ROCK
Hem.
All Red Oxidized
10-3
FROM
Ferruginous
Hard
Hard
RUB
1925
1915
ROAD
1920
SAMPLE SHACK


'A'
'B'
ROAD
10 More feet
Edge Road
'B'
'C'
10 More feet
Edge Road
RED - BROWN ALTERED ROCK
R
PIT 63-4
PIT 5
60X80X0-15
15%
1920
Gran. Hem.
Spec
Qtz
Spec
10-2
Qtz
Sanded Depression
Hem.
Granular
spec.
Siliceous
Geothite
8-7
8-6
8-5
8-5
8-3
8-2
8-1
7-9
Irregular Height Face
Surface I.F.
FACE
Fe Qtz.
10-1
Hard
Fe
Qtz.
Rubble
10+00
9-6
Quartzite
ALONG
1 to 2
Qtz
HARD ROCK RIDGE
1915
Gran. Hem.
Qtz
Medium
Qtz
Spec.
Hem.
Baseline
9+00
8+00
Foot
Face
FLANK
9-2
9-5
9-4
9-3
9-1
Medium
Medium
BLE
Ferruginous
RUBBLE FROM FACE
ALTERED ROCK RUBBLE
1910
ROAD TO CAMP
1905


'C'
'D'
5 More feet Edge Road
ROAD
PIT 6
60X80X0-15
15%
'D'
'E'
UBBLE
BS-4
7-8
Ferruginous Quartzite
7-7
7-G Lean Iron Formation
BS-4
7-3 Gran.
Qtz.
Lean Iron Formation
42
7-5
7-2
Qtz. spec Granular Hem.
7-1
Gran. Hem.
G-9
G-10
Hard Qtz.
RUBBLE
1 to 2 Foot Face
Hem.
BS-3(D)
G-8
Qtz. Spec
G-7
G-6
G-5
G-4
G-3
Hem.
Gran.
Hard Qtz.
G-2
G-1
HARD ROCK RIDGE
Hard
Qtz.
spec.
Granular
Hem.
Hard
7+00
BS-3
RED-BROWN SURFACE RUBBLE
BS-3
HARD ROCK RIDGE
6+00
PIT G3-3
BS-3 (D)
5-7
Intro
5-5
5-C
5-4
Intro Hematite
5-3
BS-1a (D)
5-2
5-1
Hematite
HARD ROCK
Granular
Specular
Quartz
Hard
5+00
Baseline
BS-3
BS-1a (D)
1900
1895


ROAD
'E'
'F'
RED ROCK
RUBBLE
Granular
Hem.
PIT 63-1
PIT 63-2
Granular
Quartz
Hematite
Vertical Fracture
335
4-9
4-8
4-10
4-11
4-12
4-13
(D)
4-1
4-2
4-3
Intro
4-4
4-5
4-6
4-7
4+00
?
Hard
Intro
3-12
Lean
3-11
Mostly Secondary Iron & Manganese Quartzite
Manganiferous
Ferruginous
3-10?
Lean
3-10?
3-9
3-8
3-7
Intro Geothitic
3-13
Intro & Quartz Vein
3-14
3-15
3-16
Qtz.
spec.
Marthite in Geothite
3-3
spec.
Lean
3-2
some
with
Mostly Geothite
3-1
3-4
Hard
3-5
Hematite
3-6
3+00
Granular
spec.
2-7
2-6
Hard
2-5
2-8
Intro
2-9
2-4
Qtz.
Hard
DS-9
2-10
2-11
2-12
Granular
with some
2-15
ES-6
Specular Hem.
Geothitic
2-13
2-14
Geothite
Hard Qtz.-Gran. Hem.
2-1
2-2
2-3
2+00
2-16
ES-6
ES-5
ROAD
1890
1885
1880
1875
1870
1865
1860


NOT CLEARED AND STRIPPED
DUE TO VERY ROUGH TERRAIN
ES-6
Baseline
1+00
OLD TRAIL TO CAMP
1850
1855
D.D.H. 4 160 feet From Station 1+00
236/152

Legend

MINERALOGIC VARITIES OF IRON FORMATION

ROSE	Quartz - Specular Hematite Silicate bearing
RED	Quartz - Specular Hematite
LIGHT BR	Quartz Spec. Gran., spec. Granular, gran. Specular
DARK BR	Quartz Granular Hematite
GREEN	Ferruginous Quartzite, = Lean I.F. Bands
BLUE	Cherty Manganiferous Hematite or Pyrolucite

Gradational, Varity Contact

'E' 'D' 'C' Geologic Submember as recognized in 1959 fitted to Varities seen in trench

Intro, Introduced type Hematite

SURVEY STATIONS	6+00
EDGE CLEARING WINDROWED TREES	
EDGE OF ROAD OR OF STRIPPED AREA	
ELEV. CONTOURS (Location approx.)	1950
OLD OUTCROPS	DS-9
NEW OUTCROPS AND SPECIMEN NUMBER	16-3

Note:

Surficial soil (6" to 18" deep) bulldozed from stripped area to along each side and leveled off for road use. Stripped area covered by a few inches of surficial material with rock showing only at high points or where a face has been started.

There are more rock outcrops showing than has been plotted

TEST PIT 1963 — PIT 63-1

JULIAN IRON CORP.

JULIAN DEPOSIT
SURFACE PLAN
TRENCH AREA

X

SCALE 1 in. = 20 ft.	DATE 11/25/62	NO. 205
DWG. Leo D	APP.	FILE 9