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Marquette region, Michigan: [specimens] 19451-19499, 21613-21683. No. 133 1891

Phillips, H. F.

[s.l.]: [s.n.], 1891

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U. S. GEOLOGICAL SURVEY
FIELD SECTION BOOK

BR 133

Marguette Region
Michigan
H. F. Phillips

19457-19499; 21613-21683

LAKE SUPERIOR DIVISION.

INSTRUCTIONS.

1. Ordinarily at least two pages of this book will be devoted to one section. On the left-hand page, place a map of as much of the section as has *actually been seen*. Denote rivers, lakes, marshes, etc., by the usual topographical signs. Denote the ledges of rock, when no structure is made out, by cross-hatching, making the cross-hatching cover as nearly as possible the areas occupied by the exposures. If the rock is a massive one, but still more or less plainly bedded, use the same sign with a dip arrow and number attached, showing the direction and amount of the dip. Denote a shaly or other very plainly bedded ledge by right parallel lines, and a ledge having a secondary structure by wavy parallel lines running in the direction of the strike, with dip arrow and number attached as before. The greatest care must be taken to avoid confusing slaty or schistose structure with bedding, and in all cases where there is the least doubt about the true bedding direction, indicate it by a query. To each exposure on the face of the map attach the number of the specimen representing it. In mapping the section count each of the spaces between the blue lines as 100 paces, and twenty of these spaces to one mile, or 2,000 paces. Usually the southeast corner will be placed at the bottom of the page, or at the first black line above the bottom of the page, and at the right-hand side. If, however, for any reason, it is desirable to show portions of an adjoining section, the southeast corner may be shifted up, or the map may be turned around and the north placed at the left-hand side of the page. The ruling of the left-hand pages is also arranged so that, if desirable, a larger or a smaller scale can be used, eight inches, two inches, one inch, or one-half inch to the mile. With the two-inch scale, the squares outlined in black represent sections, and those in red, quarter sections and "forties," while the space between the blue lines is 200 paces.

2. On the right-hand page place the notes descriptive of the exposures. Begin in each case with the number of the specimen, placing the number on the left-hand side of the red line, after which give in order on the right of the same red line the position of the ledges as reckoned in paces from the southeast corner of the section and the dip and strike when observable, the latter always being expressed from the north; for instance 4025, 250 N., 300 W., *Strike, N. 78° E., Dip 50° S.* Then follow with a full description of the ledge. When topographical maps are used for locations this paragraph applies only in part.

3. Collect a specimen from every ledge, or wherever there is a change of rock on any one ledge, taking care to get fresh material, unless for a special purpose the weathered surface is desired. In case of trips made on foot or in canoes, for long distances, neighboring ledges, unquestionably of one kind of rock, need not be specimened. The position and extent of the ledges not specimened should be marked on the map, with notes that each is of a rock identical with specimen so-and-so. Under the same conditions small-sized specimens, trimmed to a uniform size of $2 \times 2\frac{1}{2} \times \frac{1}{4}$ inches will be allowed, but in all other cases *large-sized specimens*, trimmed to a size of $3 \times 4 \times 1$ inches, must be selected, in accordance with section 3, chapter IV, p. 44, Regulations of the U. S. Geological Survey. Specimens should not be placed together without protection in the collecting bag, as the fresh surfaces, important in determining the character of rocks, are thus destroyed. They should be damaged by no temporary mark, but the numbers should be at once marked in at least two places upon the inclosing paper or cloth bags. Specimens may be permanently marked in camp by painting the numbers upon them in white upon a black background, using Silver White and Ivory Black oil tubes for color, with turpentine as a diluent.

4. On the last twenty-five pages of the book give, as may seem desirable, a general account of the examination of the region mapped in the previous pages, correlation of observations, sketches, cross sections, etc.

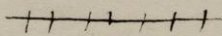
5. Forward this note book as soon as filed as registered mail matter to C. R. Van Hise, U. S. Geologist, Madison, Wis.

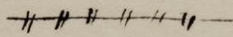
#133

Contour intervals approximately 10 ft., but ~~in~~^{indicate} relative heights only, often only show shape of ledge.

Scale 8 inches to 1 mile unless otherwise indicated on the face of the map.

Line on map corresponding to course followed is indicated by an arrow pointing in direction of course passed over.

Highways . 

Railroads 

G. = Greenstone

Q. = Quartzite

H. S. = Hornblende-schist

Gr. = Granite

G. C. = Greenstone-conglomerate

Book 2.

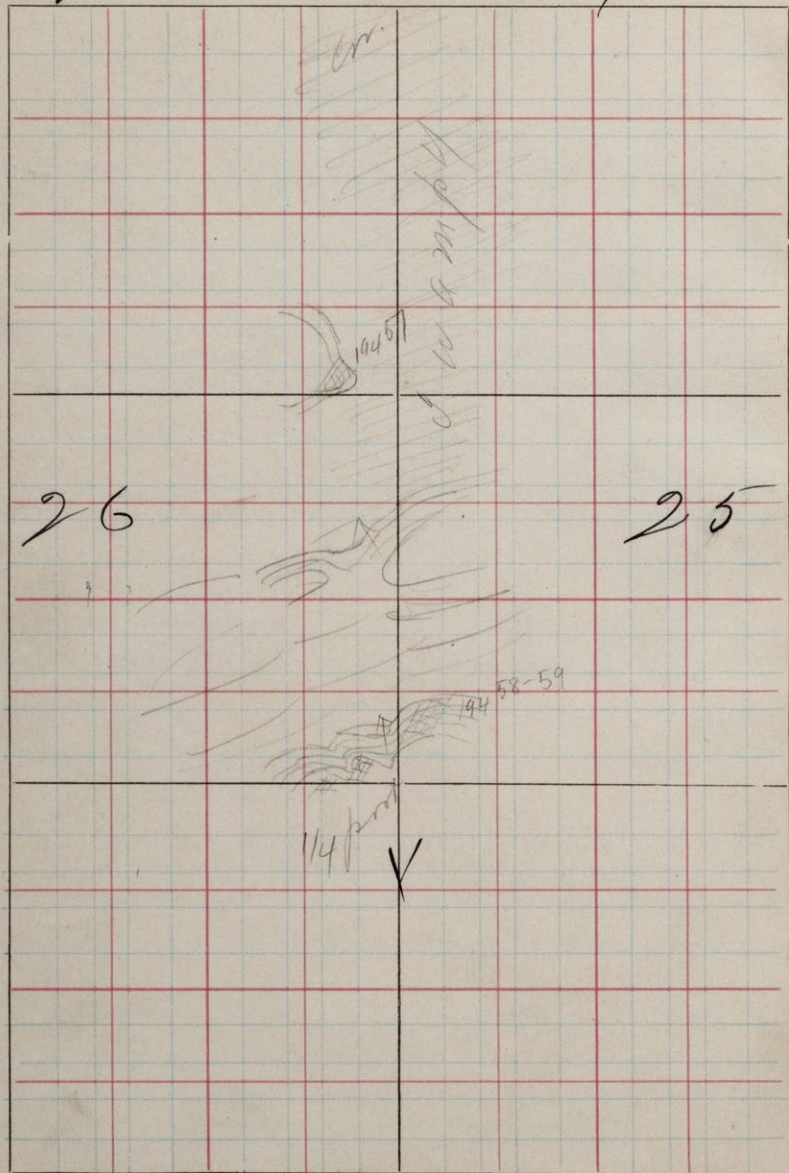
H. F. Phillips.

D. C. Forbes, Compass man.

Spt. C. Nos. 19 ~~4~~ 57-499 & 21613-683

T 48 N - R 27-26 ~~4~~ 25 W.

S. 25 T. 48 R. 27



Count begun NW. cor. Sec. 25. Rims S.

19457 1525 N 50 W S.E. cor. 2 & 6. Non Uniform
G Weathered. Quartz veins.

19458 1080 N 1985 W. S.E. cor. 25. E & W strike
G Standing about vertical.

19459 1080 N 1980 W. - Irregular
G.C. patch grading into - 58
Weathered surface has con-
glomeritic appearance as
shown in specimen

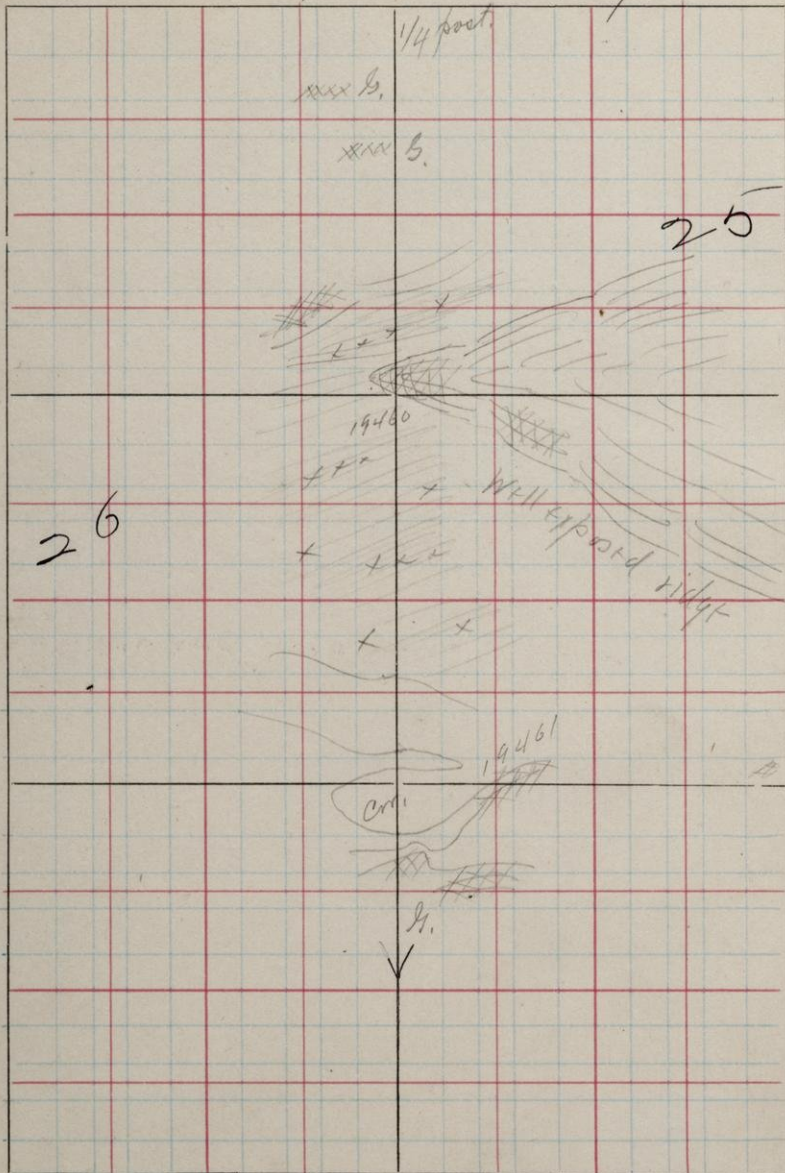
S.

T.

³
48

R.

27



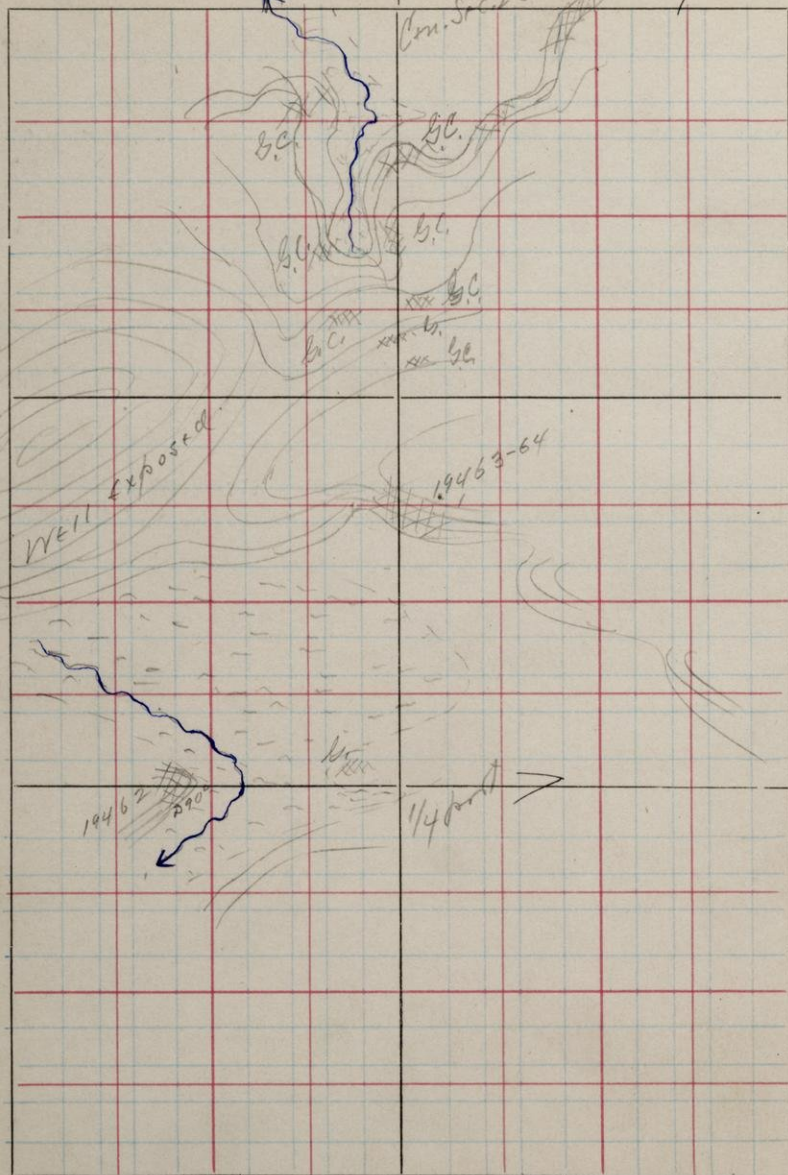
Course begins NW 1/4 Sec. 25. Runs S.

19460 To N 1985 W S.E. Cor. 25 S N 80° W D 90°.

This too + structure with 800 ft.
Well exposed ridge running
East by south-east. Surface
in places weathered, or
discolored, to a light pink
or red color.

19461 ON 1900 W. S.E. Cor. 25. Masonry
weathered fact has most-
ly disappeared.
Coarse grained gneiss.

S. 25 T. 48⁵ R. 27



Course begins S $\frac{1}{4}$ Sec. 25, Range N.

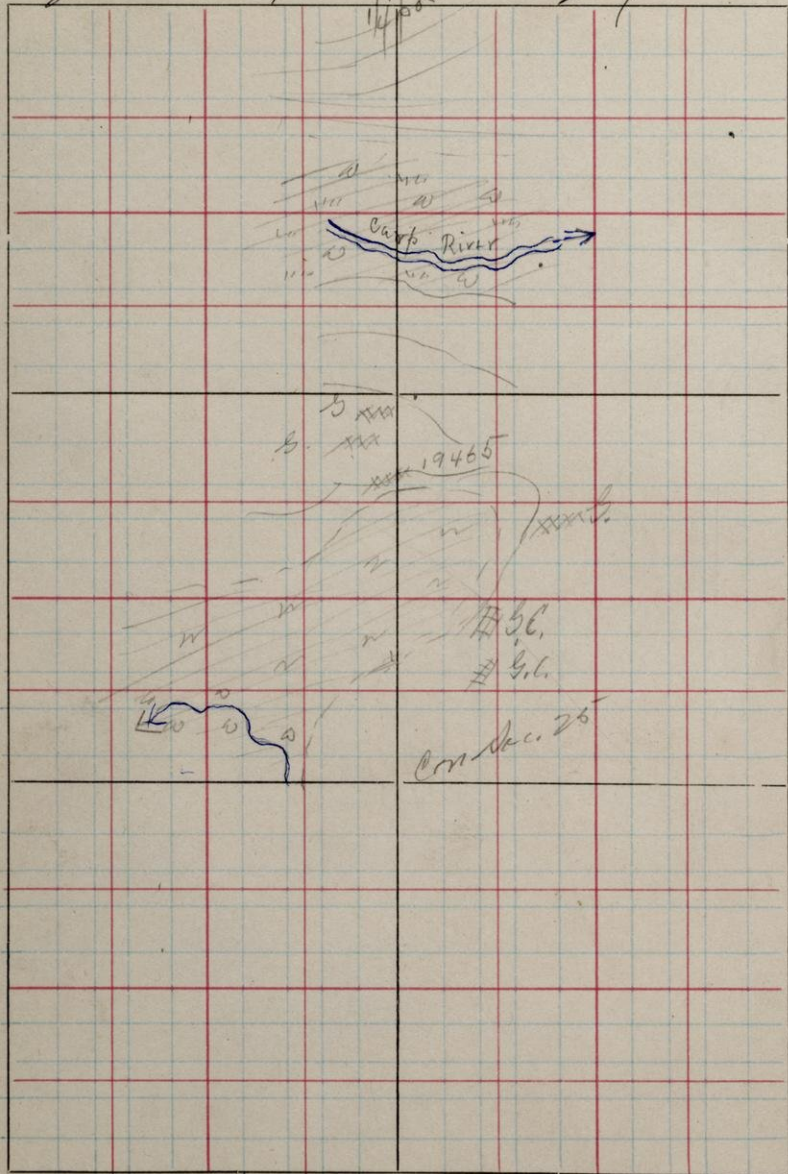
19462 0 N 1285 W S.E. 25. S.N. 90° E D. 90°

Quartz veins running
across in nearly hor-
izontal planes.

19463 370 N. 1000 W. Irregular and
massive in appearance.
Form part of general ridge
specimens in 19460.

19464 400 N 1000 W Forms top of
ridge at this point.
Conglomerate (?)

S. 25 T. 48 R. 27



Cocurst begins Ctn. St. 25. Runs N.

14465 1435 N 1000 W. S. E. lot. 25.

S. N 90° E D 90°

S. D are those of well de-
veloped planes.

G. S. C.
Fels

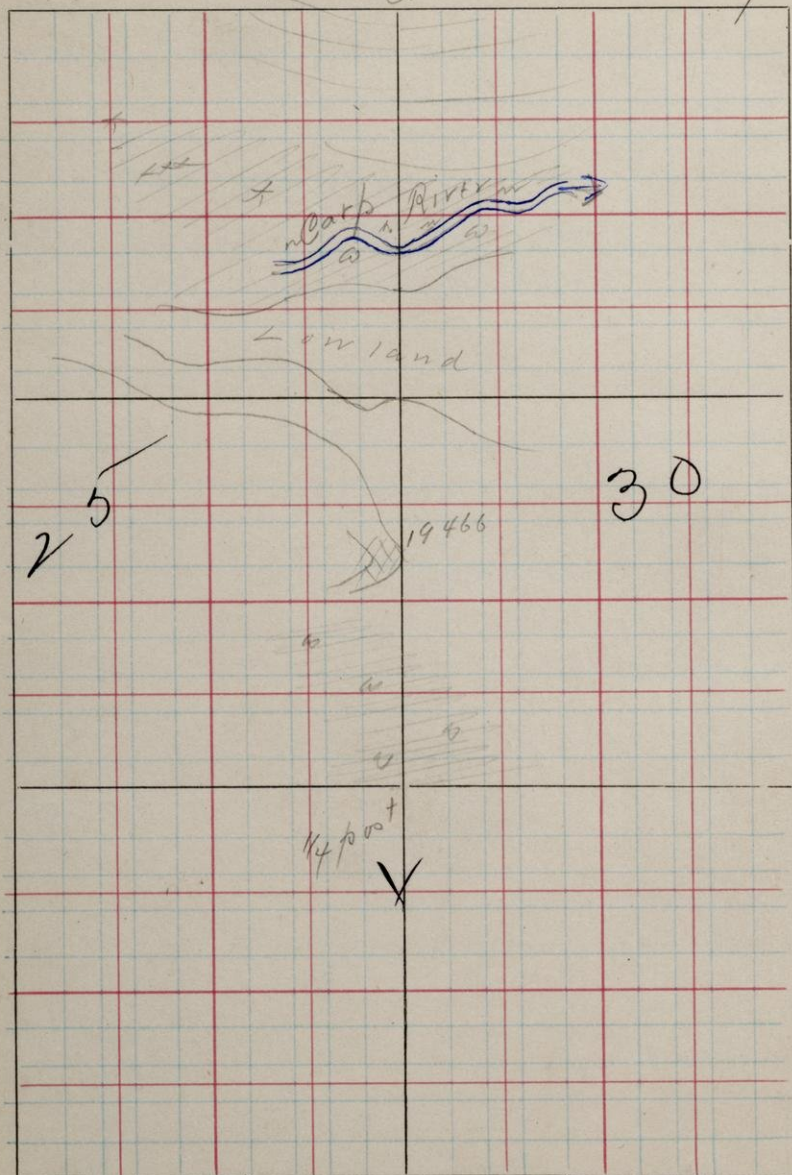
S.

T.

48⁹

R.

26-27



Count begins Carriage on Range
line - Rms D.

19466 1325 N 10 W. St. Cor. 25. S. N. 90° E. 7085 S.
Small exposure.

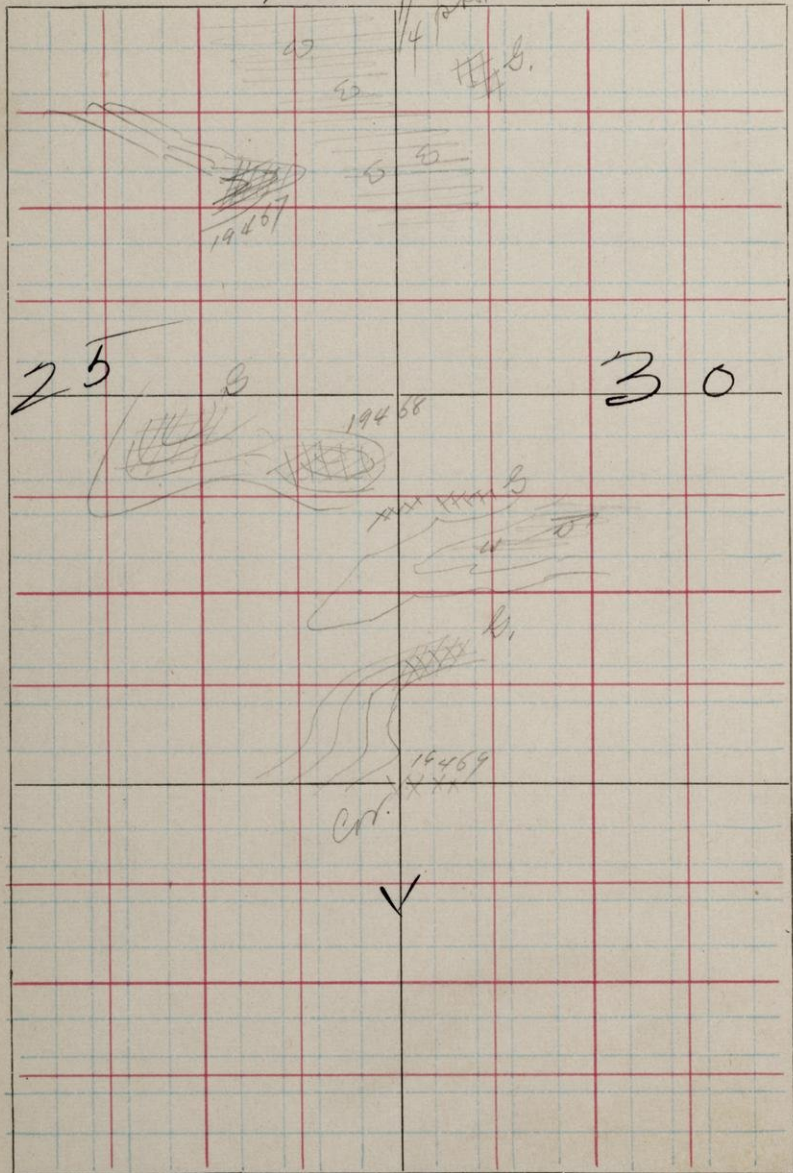
S.

T.

48

R.

R. 26-27



Course begins W $\frac{1}{4}$ Sec. 30, Range 5.

19467 800N 125W. St. Cor. 25. E. & W.
- well exposed point of
- ridge.

19468 400N 40W. St. Cor. 25. Massive
- Conglomeritic appearance.

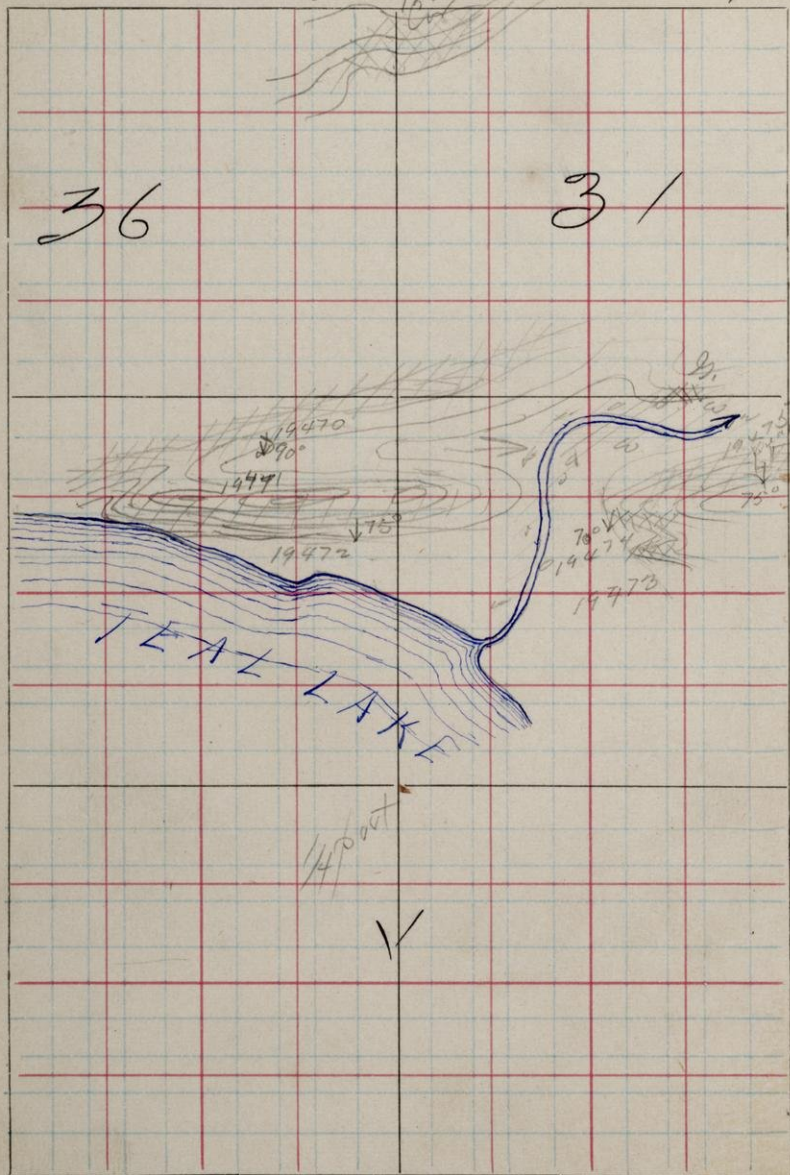
S.

T.

48¹³

R.

26-27



Course begins N.W. Cor. S.H. 31. P.M.S.
 19469 1990 N. 2000 W. S. ^{S.E. Cor. 31} N 90° E D 75° S.

Top of ridge descending into
 to valley & the south.

19470 1325 N. 200 W. S.E. Cor. 36. S. N 90° E D 90°

From greenstone ridge just to the
 north of the quartzite from which
 it is divided by a narrow,
 drift filled valley, 15-20 ft drop.

19471 1355 N. 200 W. S.E. Cor. 36- S. N 90° E D 75° S

Silicious ^{slate} sheet on north side
 of quartzite ridge.

19472 1350 N 200 W. ~~Massive~~ apparent
 Q conformity with 71 but
 is massive in appearance

19473 1370 N 1700 W S.E. Cor. 31. Massive.

~~Massive~~ Small exposure south of the
 main quartzite ridge.

19474 1350 N 1700 W. ~~Massive~~

S. N 90° E D 75° S. On south
 face of ridge.

S. 31

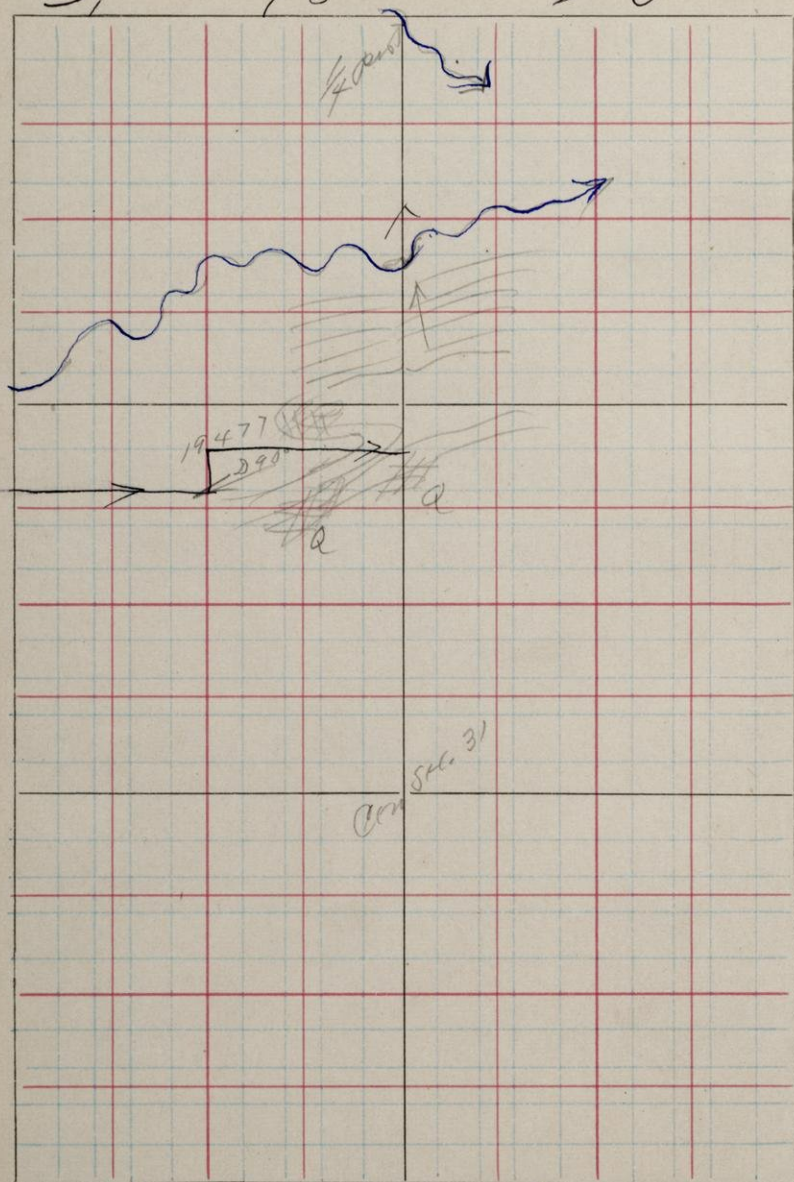
T.

48

R.

26

15



✓
 Court indicated on map.

19475 1410 N. 1540 W. St. 61. 31. S. N90°E D 75°S.

From quarry on north side
 of main quartzite ridge
 lying in conformity with Q.

19476 1425 N 1500 W. massive in ap-
 pearance. Small piece
 is from pebble in main mass

19477 1475 N 150 W. S. N90°E D 90°

Well exposed. Contact be-
 tween this and quartzite
 in the south probably fol-
 lows & is int. From my ex-
 plorations quartzite in here

S. or
 slate

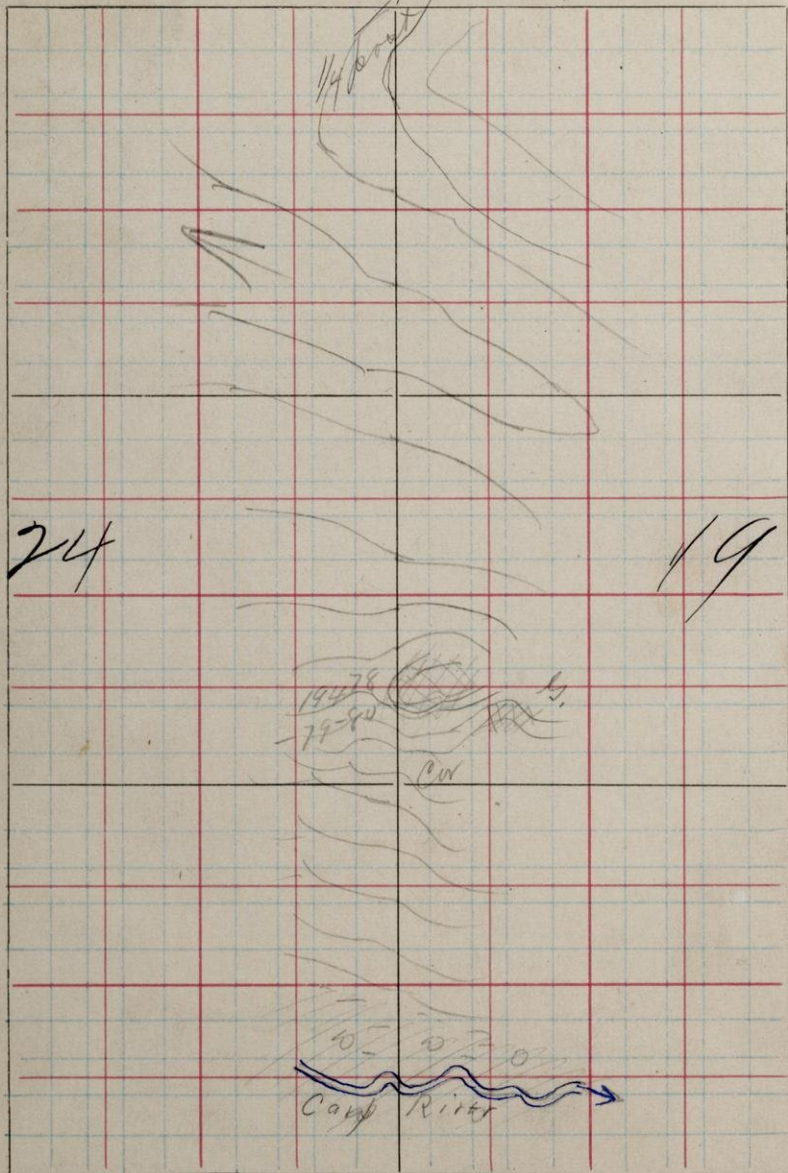
S.

T.

48 ↑ 17

R.

26



Course begins S.W. Cor. 19. Arms N.

19478 115 N. 7000 W. S.E. Cor. 19. S 76° W δ 90°
Mass of knob. # G.

19479 115 N. 1995 W. Mass out
~~Dike or base in g+t+t m/mt.~~
Has quarled, decidedly mas-
sive appearance. Contact
irregular and somewhat in-
distinct as shown by 19480.
Contains some quartz.

A m. e. t. o. n. e

Arm - 7-98
Contact NW 1/4
10-20 ft and some
15-20 ft m. l. s.

19480 115 N. 1998 W. From contact - 78 + 79.
Showing mixed character
of the rock.

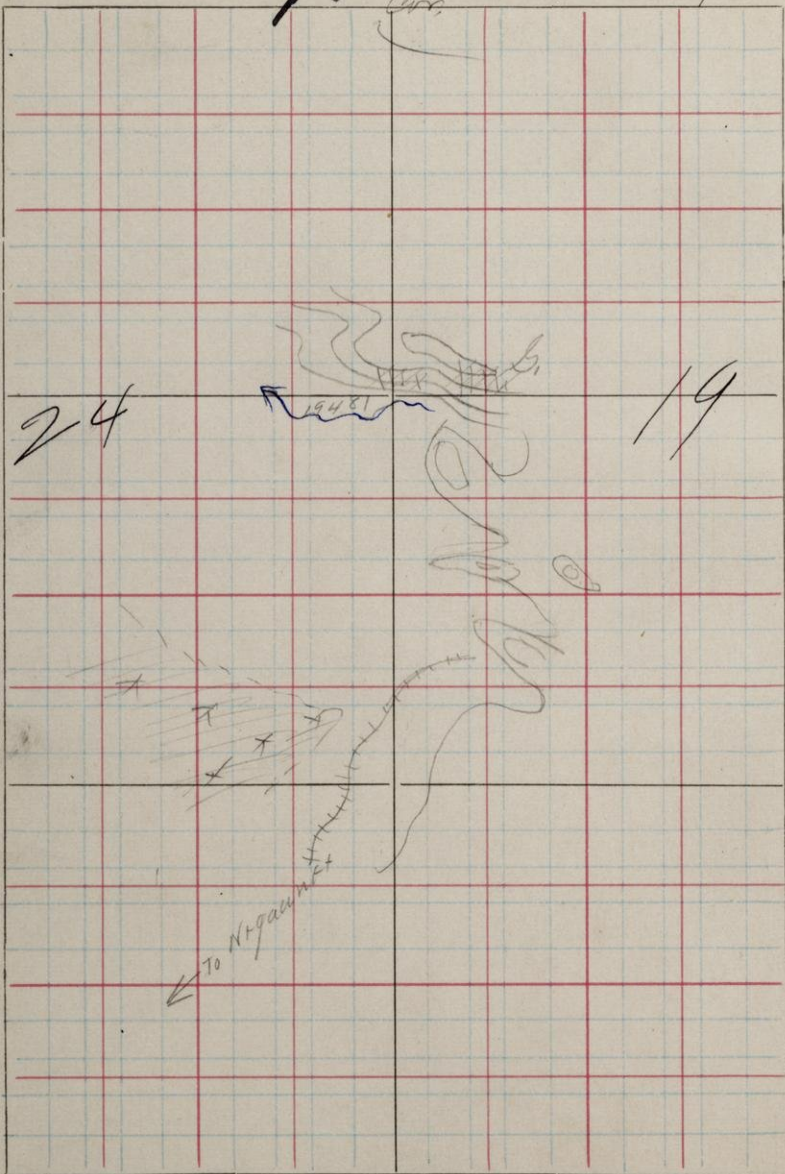
S.

T.

48¹⁹
Cree

R.

76-27



Count begins W 1/4 Sec. 19. T. 11. R. 11.

1948/ 1510 N.W. Sec. 6. T. 24. Massirt
 fine. Forms irregular ridge run-
 ning approximately E + W.

S.

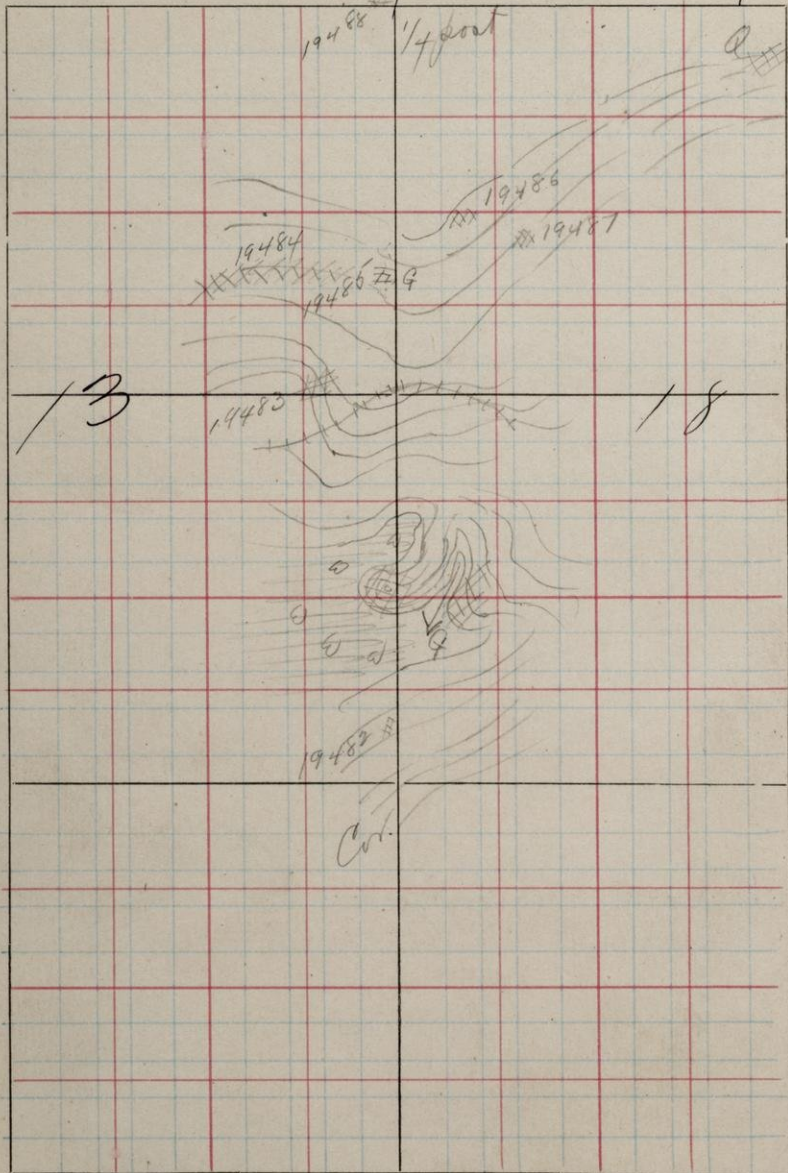
T.

48

21

R.

2627



Course begins S.W. cor. 18. Anne N.

- 19482 80 N 0 W S.E. cor. 13. Small exposure on north slope of drift covered knob. # Gt + no mt
- 19483 { 520 N 100 W Massiv. Small, rounded exposure on south slope of granite ridge. # Gt + no mt
- ✓ 19484 760 N 100 W. Massiv. Porphyritic. Rounded, surface exposures at top of E.W. ridge. # Granite
- 19485 760 N 60 W. Massiv. On north slope of granite ridge + having irregular dyke-like contact with granite.
- 19486 750 N 1920 W S.E. cor. 18. Small exposure in break of granite ridge. Also exposed at 700 N 0 W.
- 19487 700 N 1850 W Massiv. Small exposure at top of ridge. # Gt.
- 19488 1005 N 25 W S.E. cor. 13. S.W. 10 W 75 N. Contact with granite, as noted by Romington as being shown but, was not found.

S.

18

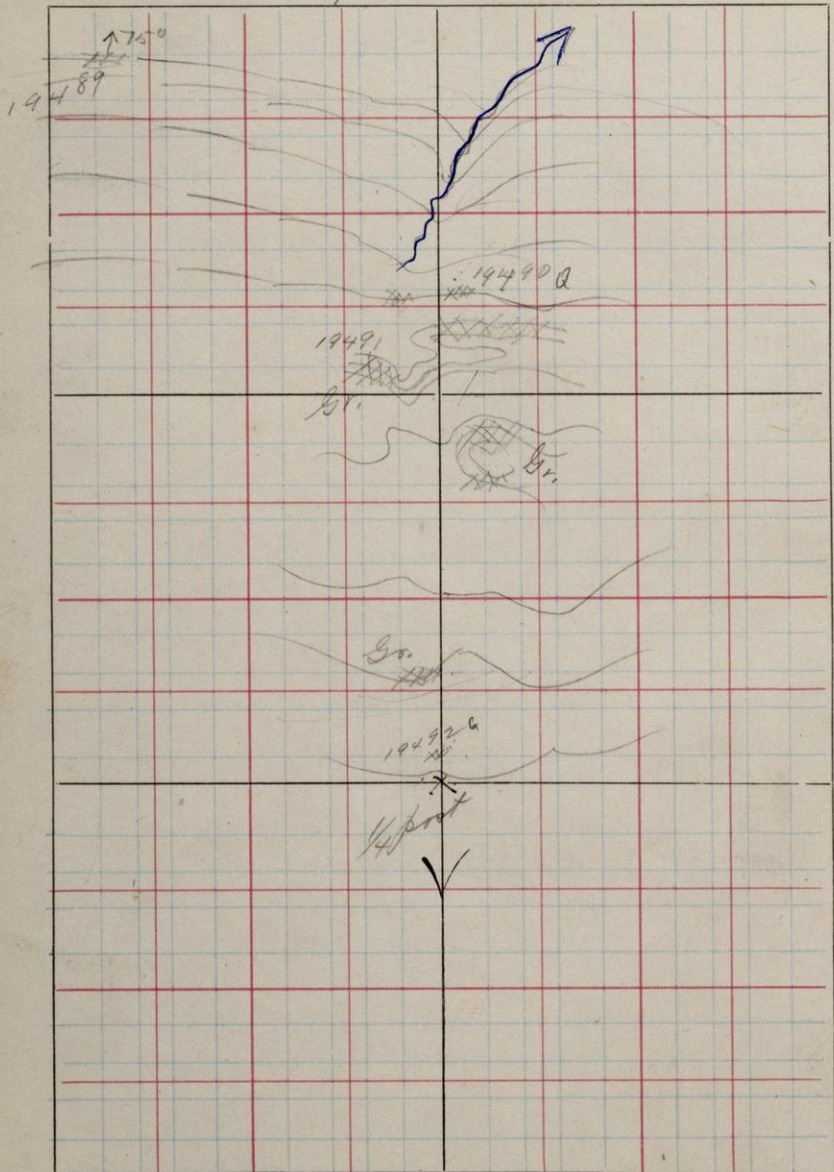
T.

48

R.

26

23



✓ Coarct begins on Sec. 18. Runs S.

19489 950 N / 450 W. S. 6.6 ft. 18. S. N. 10 W. 75° N.
Small exposure on north slope.
Ridge mostly drift covered. # ~~Q~~

✓ 19490 650 N. 1000 W. Massive. Near top
of ridge but no contact with
granite is exposed. # Quartzite

J 19491 490 N 1000 W massive.
Exposed ridges exposed on top
of main ridge. # Granite.

19492 50 N 1005 W. Small surface ex-
posure but apparently in
place. Granite runs to
within 100 ft. of sec line
Greenstone.

S. 19 T. 48²⁵ R. 26

$\frac{1}{4}$ pt

19493

~~19494~~

Drift

19494

Drift

Can. Dec. 19

X

Course begins N $\frac{1}{4}$ Sec. 19, Range 5.

14493 1850 N 1000 W. Boulder.

Conglomerate. Partially
covered by drift, but from
all appearances ^{is} a glacial
boulder about 6' x 3' x 3'.

Exposure of gneiss at 100 p.e.

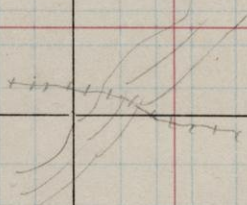
19494 1480 N 1000 W S.E. Cor. 19, Massett
Surface exposure on top of
ridge. ~~S. L.~~ Coarse grained

S. 19 T. 48²⁷ R. 28

Chm. Dec. 19

Thurs this
should be
Range 26.
E. Run.

19



19495

30



Course begins Cor. Sta. 19. Run S.

19495 1940 N. 1000 W. S. E. 30. Massart
 From well exposed low
 ridge. # Grttns lnt.

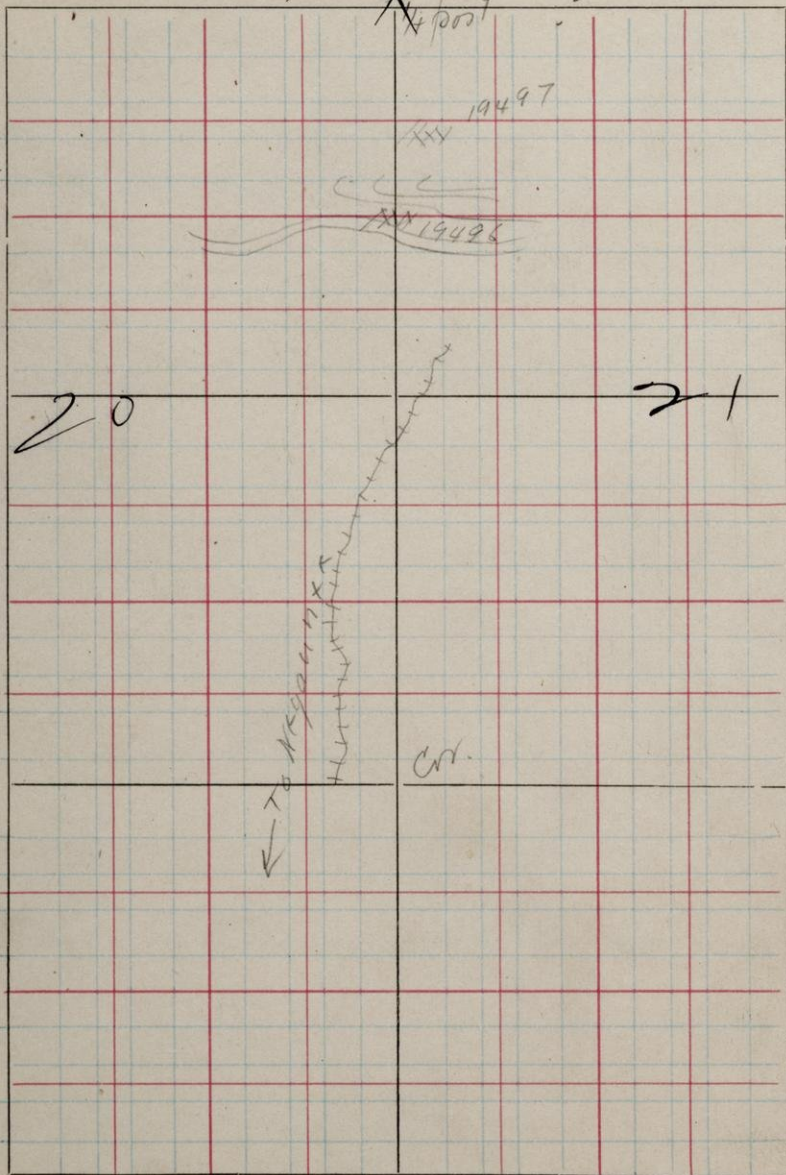
S.

T.

48²⁹

R.

26



Course begins S.W. Cor. 21. Runs N.

19446 740 NOW. Broken and massive
in appearance. Exposed
#15.

19497 855 NOW. Massive.
From north slope.

S.

T.

R.

31

48 $\wedge$

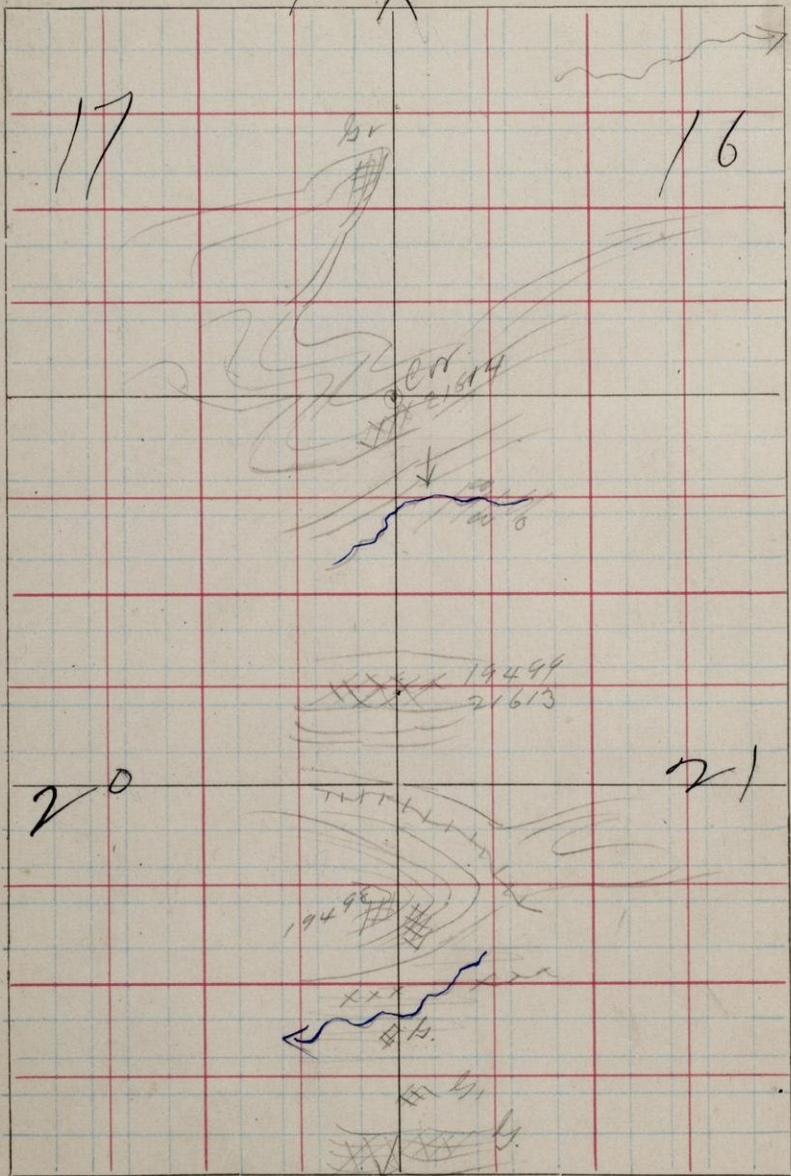
26

17

16

20

21



Course begins W $\frac{1}{4}$ Sec. 21. Run $\frac{1}{2}$

19498 1355 N. 0W. Sil. Cor. 20. Runs in
E-W direction, more or less con-
torted, standing vertically.

19499 1610 N. 0W. Massiv. Contorted
and intermixed with 21513.

21613 1645 N. 0W. Massiv. Shist

21614 1940 N. 0W. Massiv. granite.
From top of ridge.

No quartzite found here
north of the granite.

S.

21

T.

48

R.

26

16

15r. 1615
 114 prof.

Granite

21617

-18

19

20

21616

G. 21621

21621

G.

Cm. Sec. 21.

✓ Count begins N $\frac{1}{4}$ Sec. 21. Rums. S.

2/6/15 100N 1025W. S.E. Cor. 16. Massive.

Outcrops along top of ridge are small and poorly exposed. Small exposures down south slope to 275 ft S. Greenstone not found on north slope as shown by Rummage. # Granite.

2/6/16 1700N 1000W S.E. Cor. 21. Small exposure on south side of C.H.H. Rd. Granite on north side. # Greenstone.

✓ 2/6/17 1675N 1175W S. N80°E D 90°.

S.D. Diarr about thrust of contact and of the greenstone, though more or less contorted. It is from greenstone at contact.

✓ 2/6/18 1675N 1175W. Massive. In granite at contact.

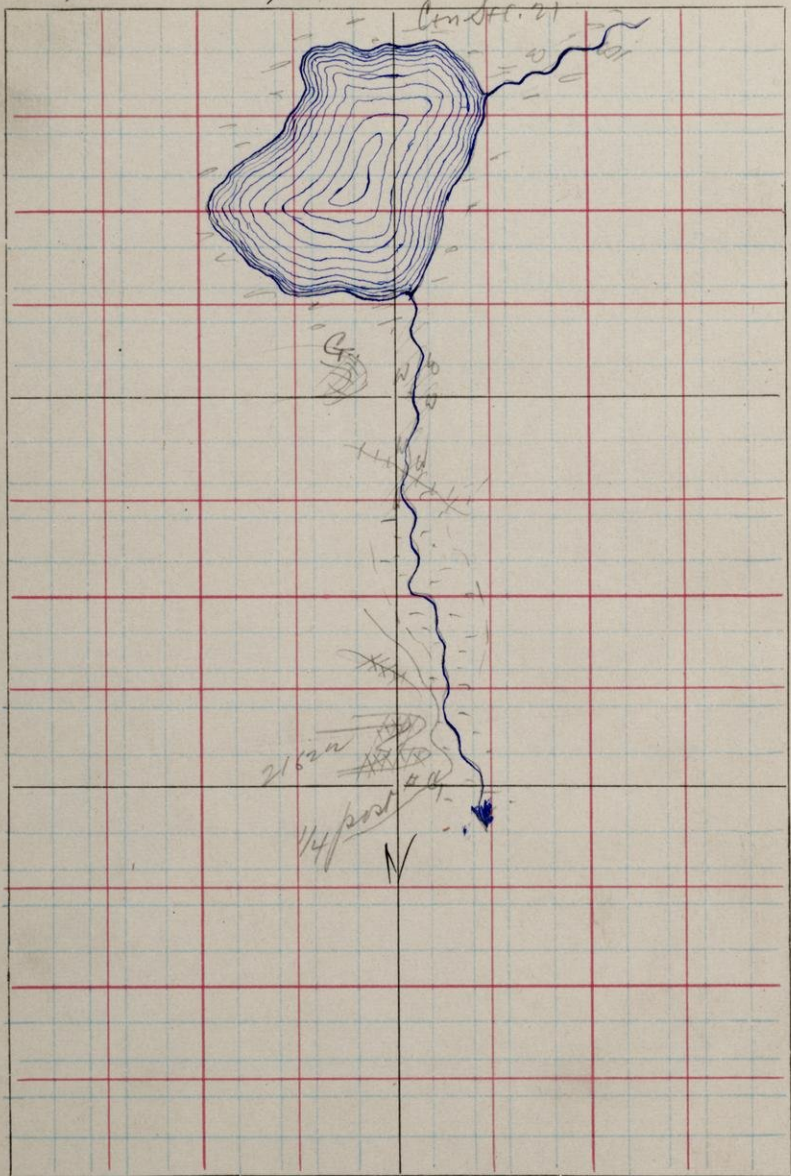
✓ 2/6/19 1678N 1175W. Massive. 10 ft north of contact. Granite

2/6/20 1673N 1175W. In greenstone south of contact apparent in the mixture of G. & S.

2/6/21 1700N. 1000W. Massive. G.W. ridge greenstone.

S. 21 T. 48 R. 26

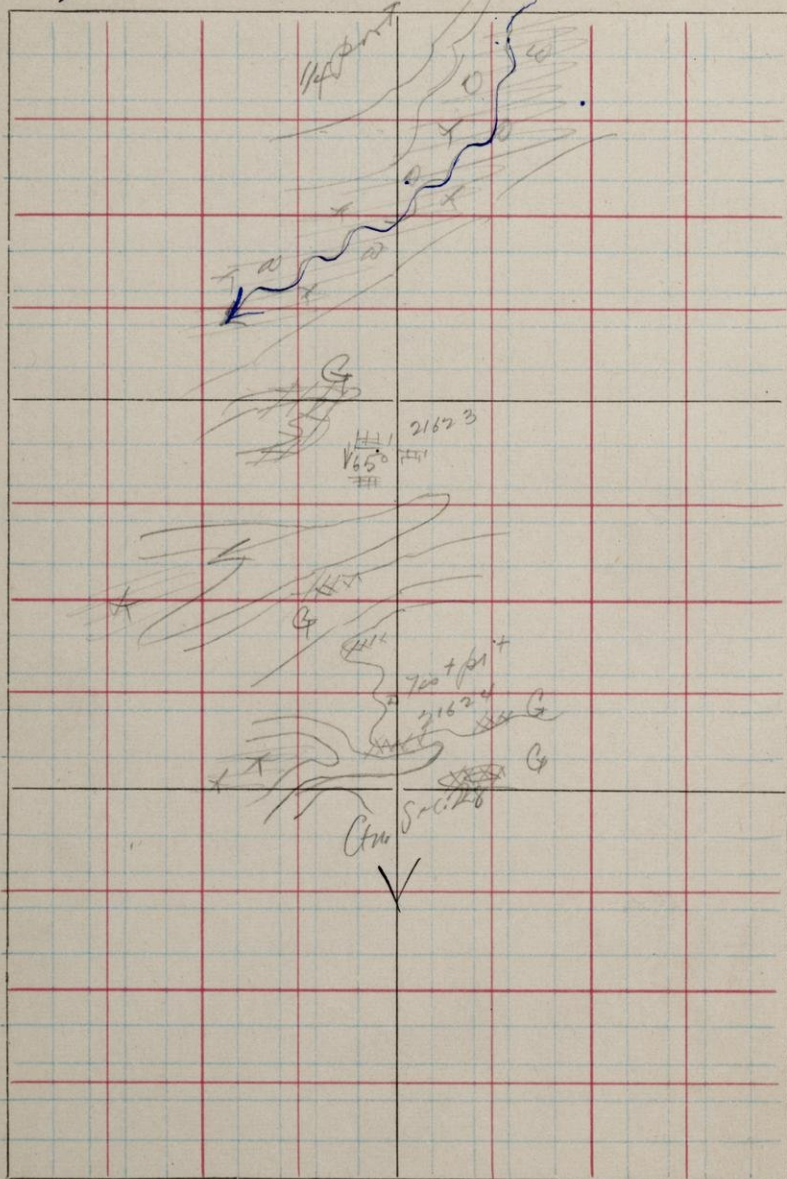
35-



Coorst begins Cen. St. 21. Runs S-

71622 50 N 100 W. S.E. Cor. 21. Mass wt.
 # Green tint

S. 28 T. 18³⁷ R. 76



Cannot begin N $\frac{1}{4}$ Sec. 28. Q. m. S.

71623 1460 N. 1000 W. St. l. r. 28. S. N 90° E D 65° S.
 - Stratal exposures gttus / mt

71624 1060 N 1000 W. S. N 90° E D 80° S.
 - well exposed. Stratal similar exposures in neighborhood. There is a 10 ft Toot pit regularly rim in green stone as indicated at 1100 N.

S.

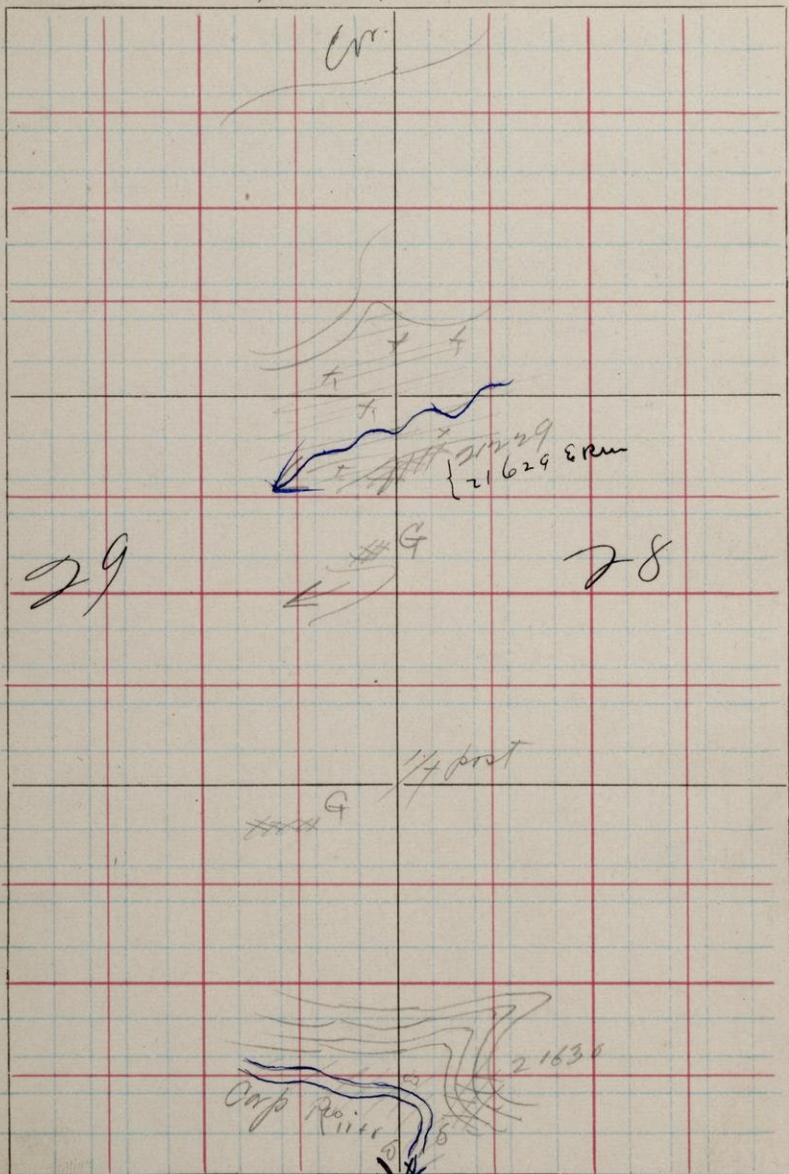
T.

48

34

R.

26

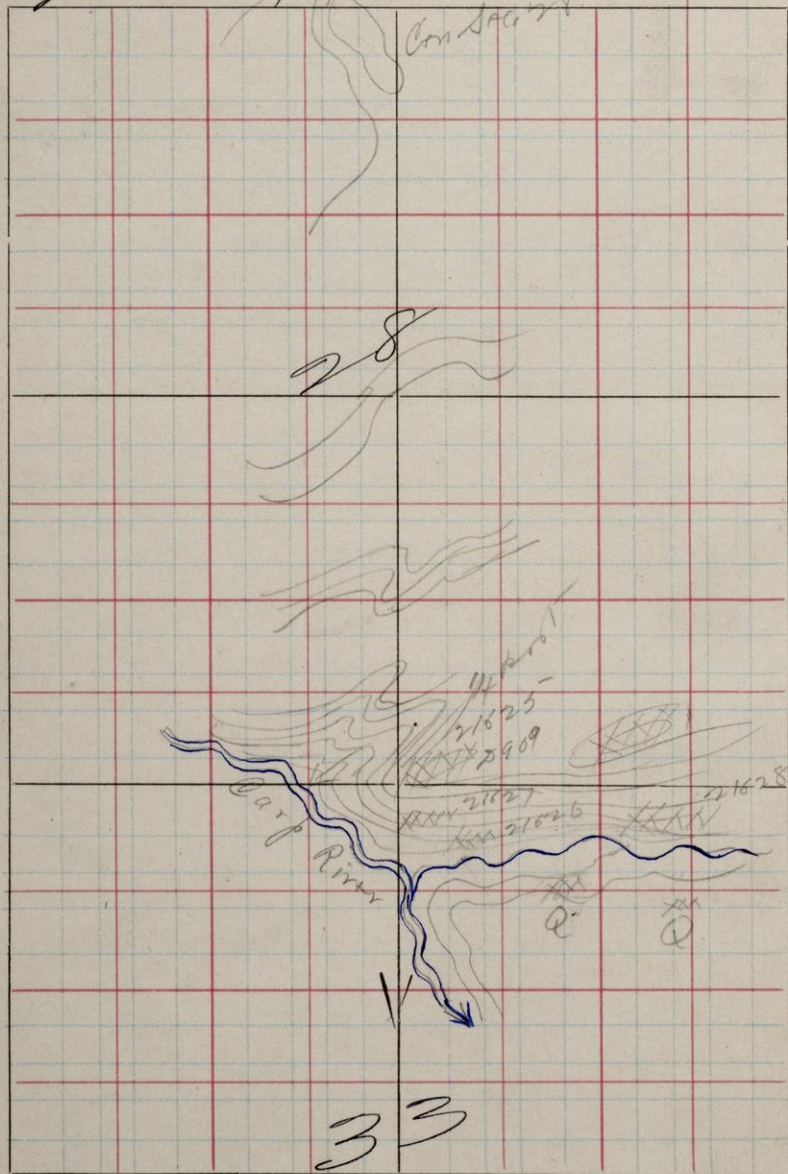


Course begins N.W. Cr. 28. Runs S.

2/629 1420 N 0 W. S. E. Cr. 29. Massiv
GrttnxTmt.

2/630 625 N. 1900 W. Massiv.
GrttnxTmt.

S. 28-33. 48⁴¹ R. 26



Course begins Cen. Sec. 28. Runs S.

N626 10N. 1000W. S.E. Cor. 28. N80°E @ 90°
 From knob 50 ft above river.
 Ridge of same running eastward

N626/1400W 900W. S.E. Cor. 33. Massive
 Q On north bank of creek.

✓ N627 1925 N 950 W. Irregular. Located
 between -25 & -26.
 Slaty cong?

N628 980 W 550 W. In connection
 with quartzite cong.
 with quartz pebbles
 No exposure of direct con-
 tact -25 with -26

S.

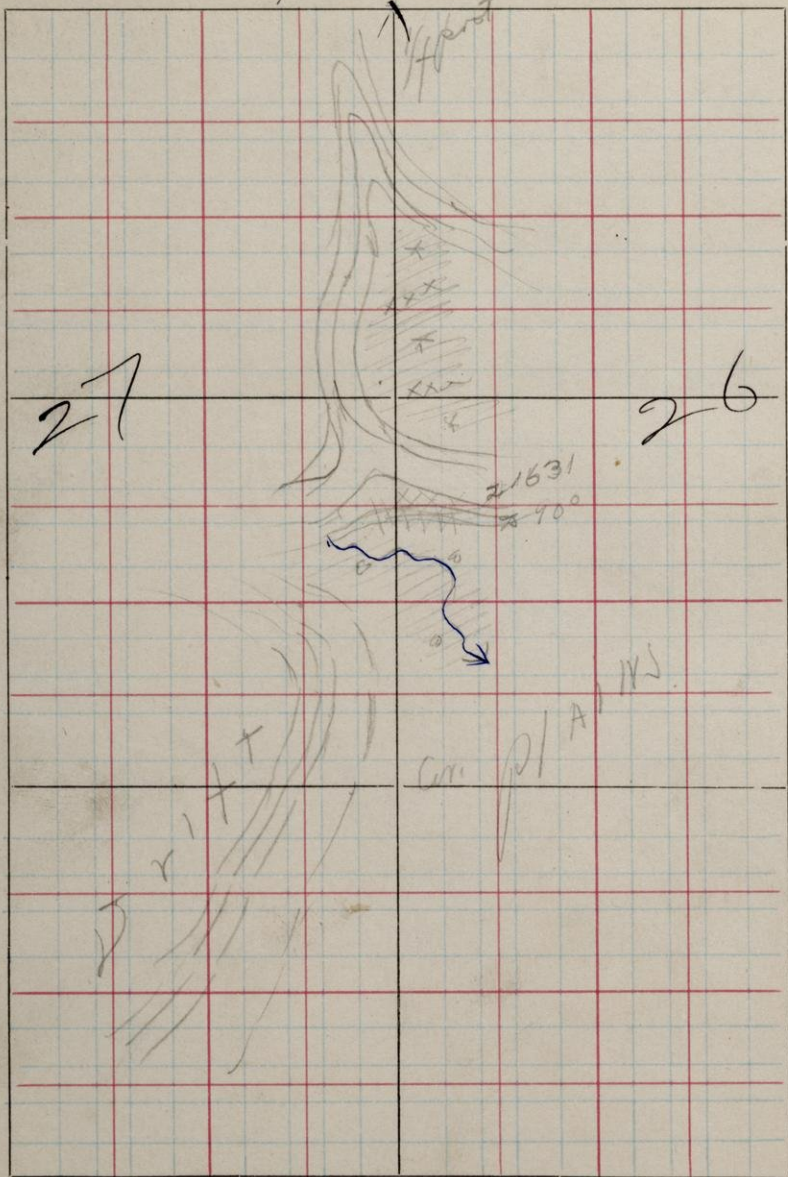
T.

48

43

R.

26



Crossst begins S.W. Cr. St. 26. Rms N.

7163/ 370 N. 2000 W J. E. Cr. 26. S N 90° E D 90°
Greenstone.

Drift country north & south.

S.

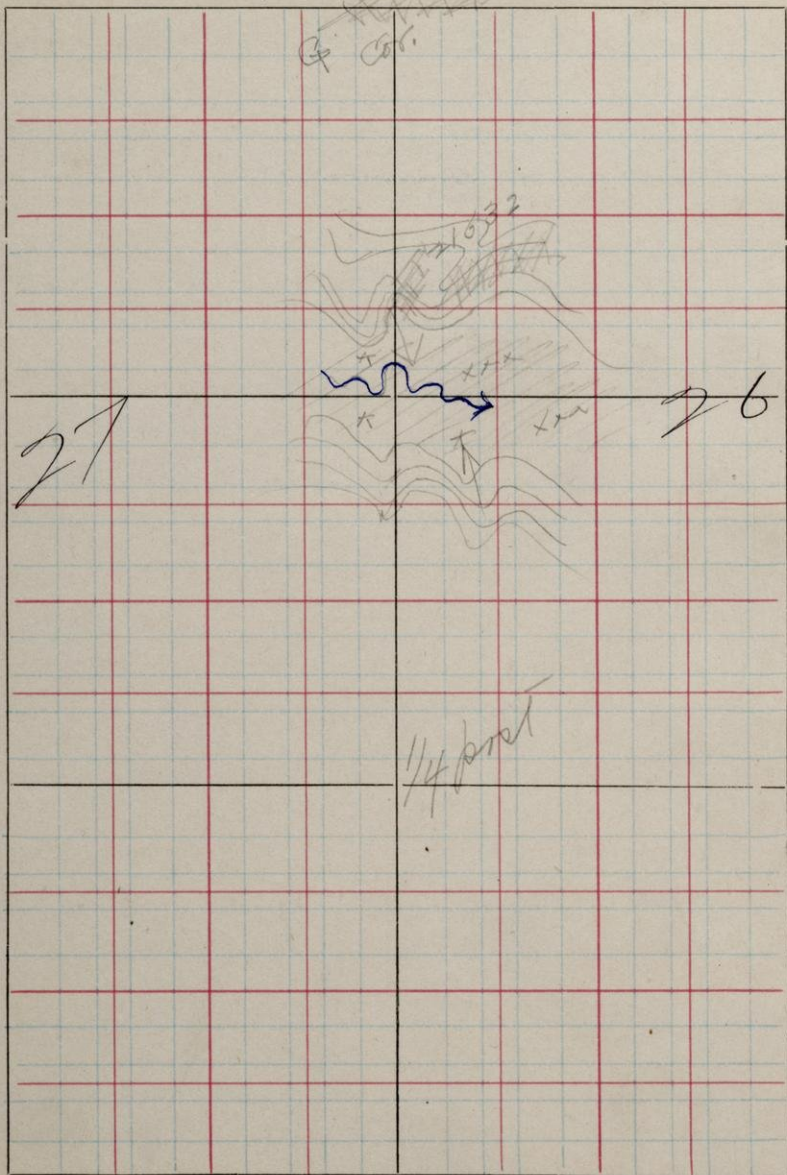
T.

48

↑

R.

26



Course begins W $\frac{1}{4}$ Sec. 26. Runs N.

2632 1660 N. 2000 W. S. E. cor. 26.

~~Assess~~ grassland.
will expand.

S.

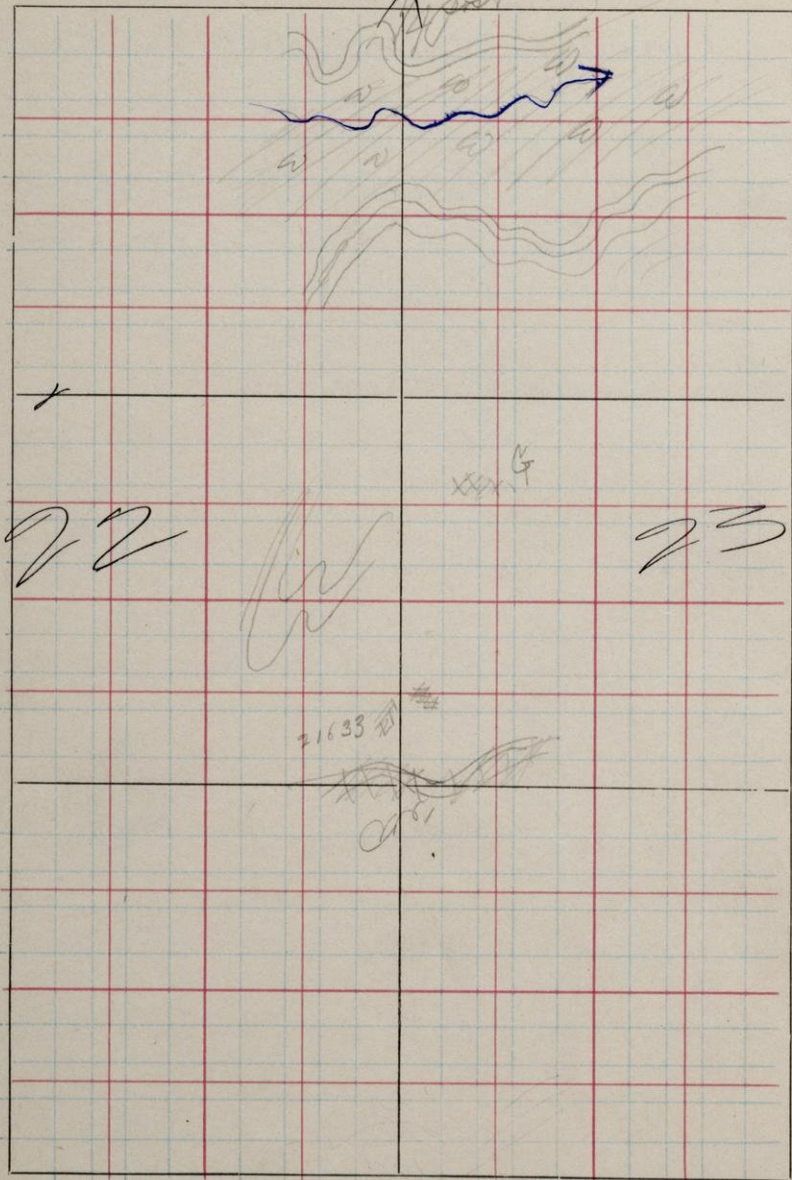
T.

+8

47

R.

26



Course begins S.W. Cor. 23. Runs N.

2/633 100 ft. 0 W. S.E. Cor. 22. Surface
Exposure of gittens int.

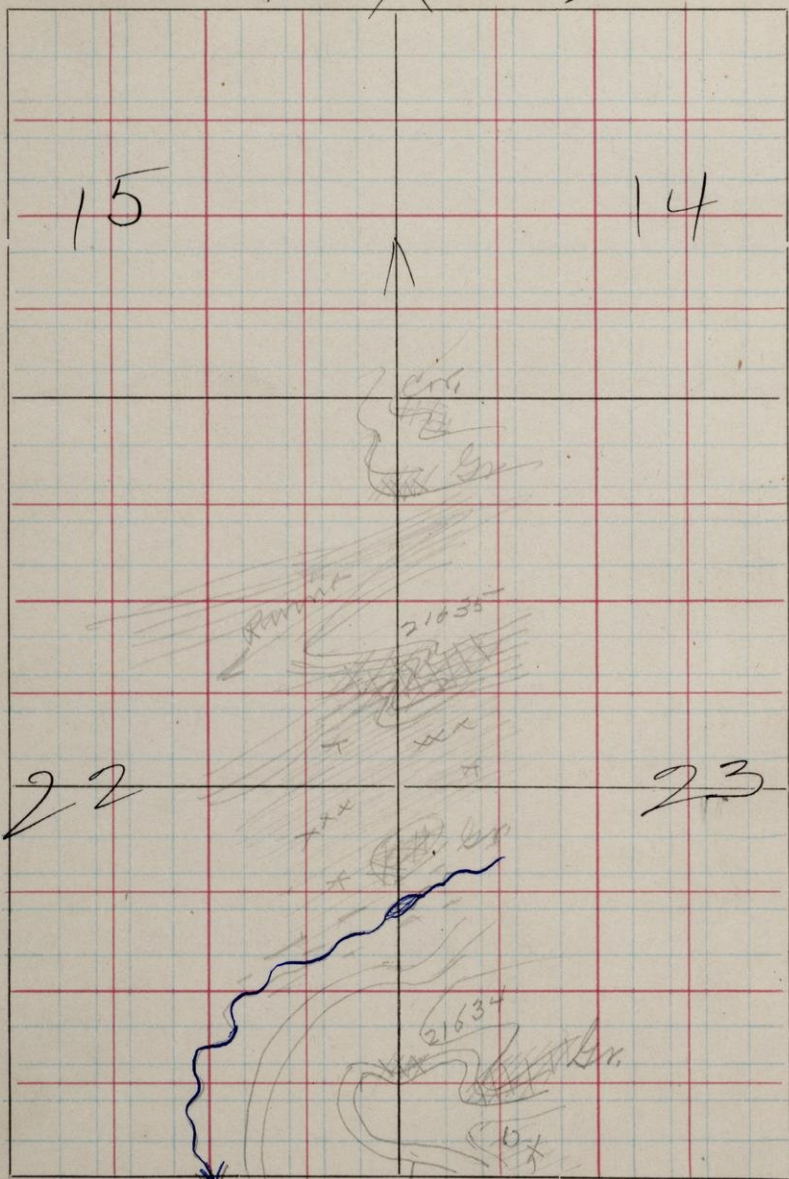
S.

T.

48⁴⁹

R.

26



✓ Count begins NW 1/4 Sec. 23 Runs N.

21634 1160 N. 0 W. S. 6. Cor. 22. Massiv.
 - Contact with gneiss not observed but would seem
 to be marked by the creek
 bottom to the south and east.
 Drift wrot. 100-500 surface
 outcroppings of - 34: th Granite

✓ 21635 1670 N 0 W. massiv + granite.

S.

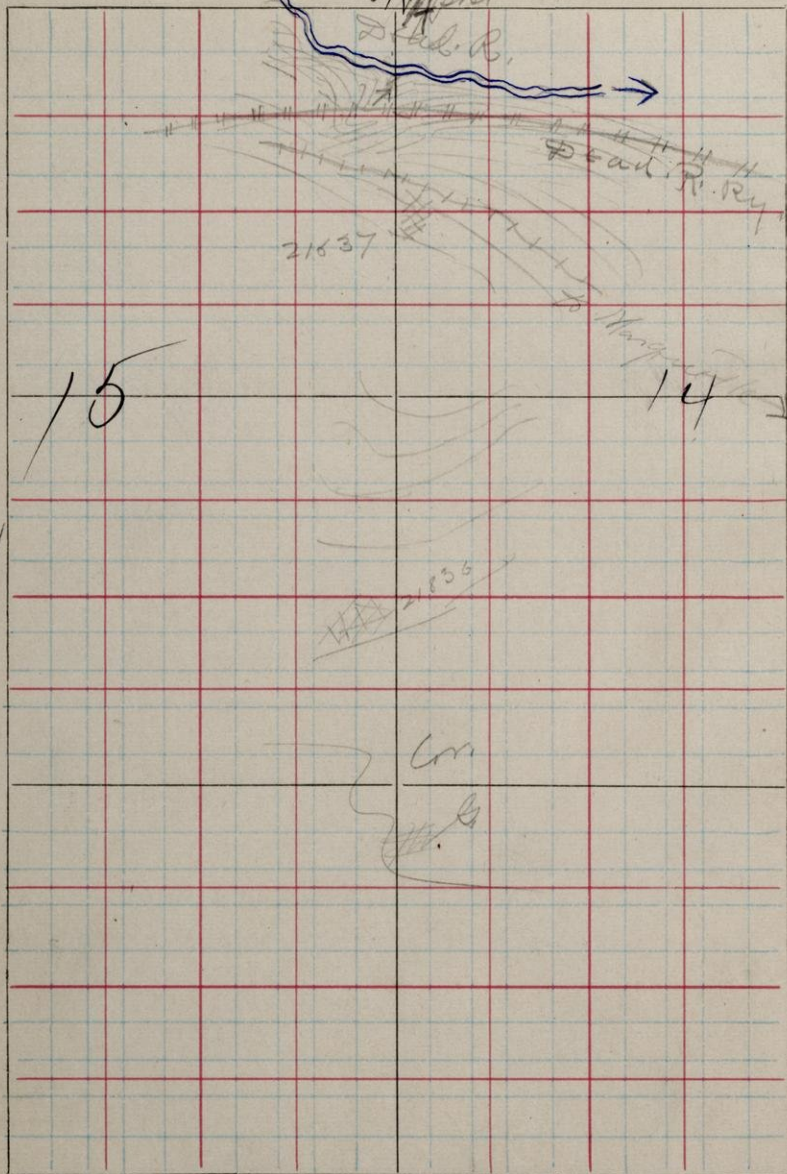
T.

48

5-1

R.

26



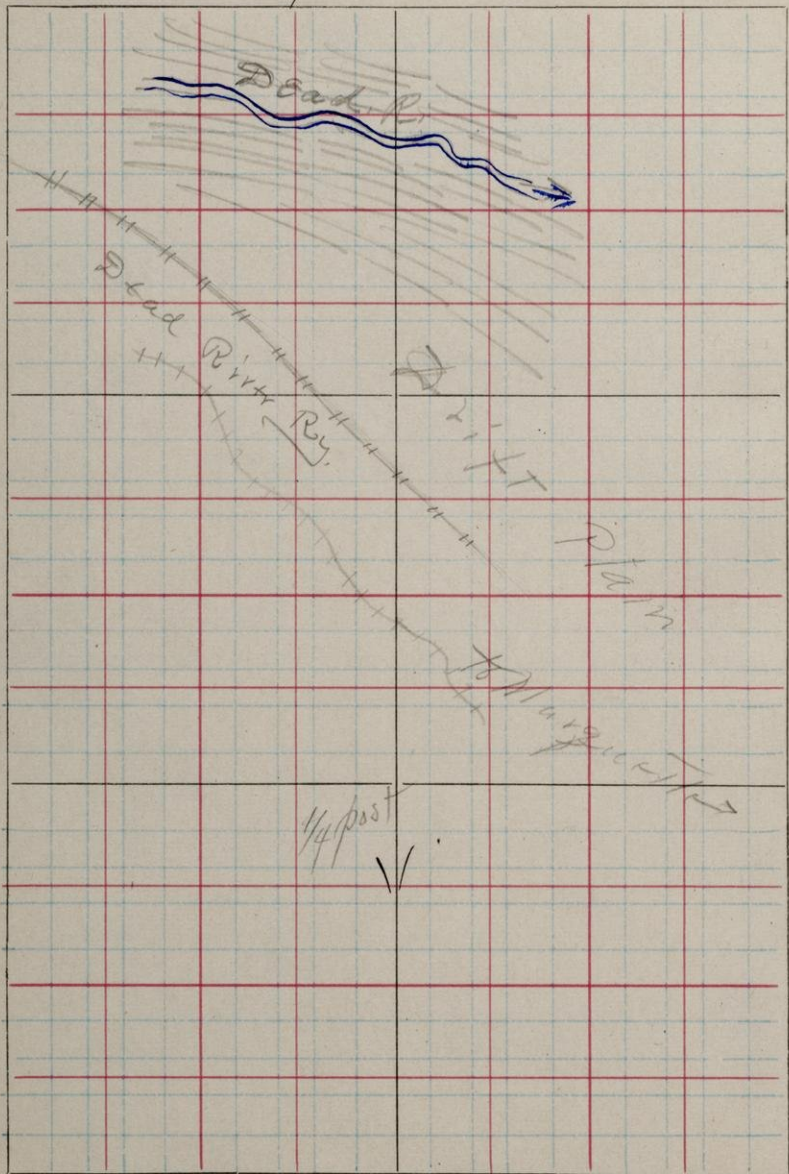
✓ Course begins S.W. Cor. Sec. 14. Runs N.

2/63 6 200 N 0 W S.E. Cor. 15. Massive
Granite.

2/63 7 725 N 2000 - Massive Granite.

Greenstone not found on
slip to Dead R. as indicated
by Rominger.

S. 14 T. 48⁵⁻³ R. 26



Course runs south on N + S $\frac{1}{4}$ line
S + C. 14 - 48 - 26

Drift plains.

S. 23 T. 48 R. 26

55

1/4 pt

21638

1 mi Gr.

1/4 pt

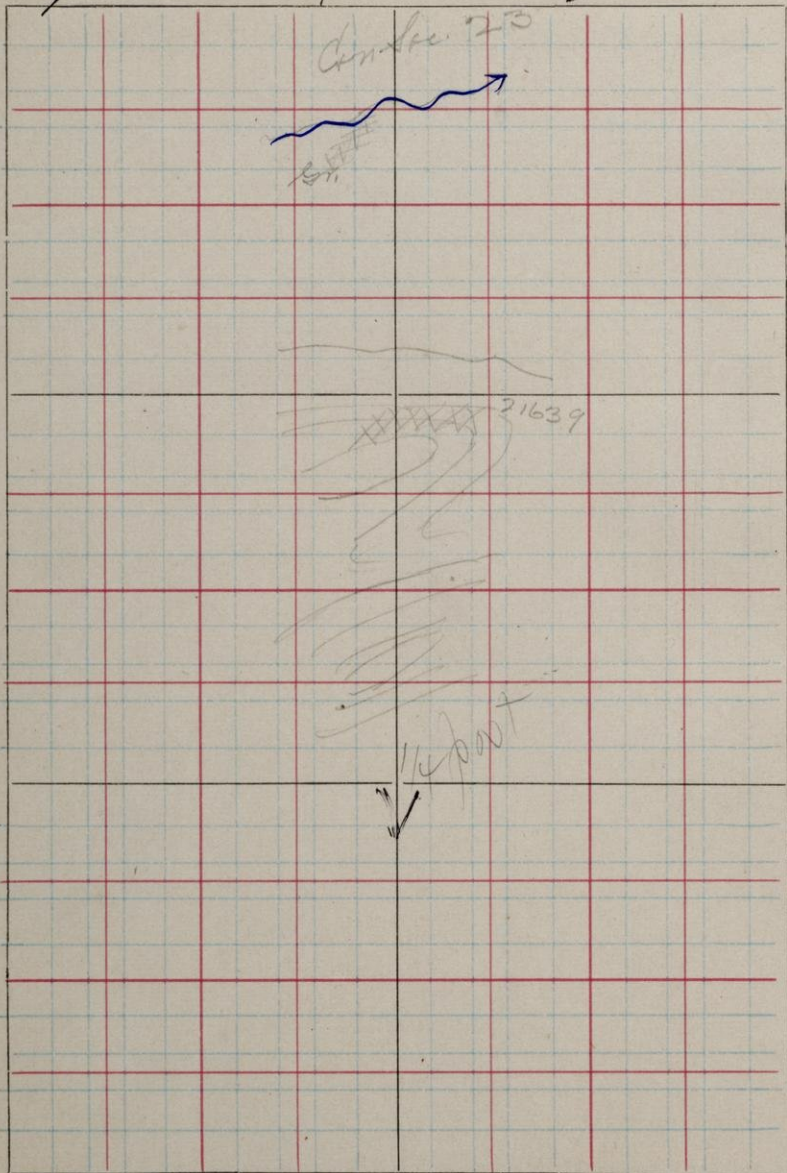
Crn Sec. 23

V.

Course begins N $\frac{1}{4}$ Sec. 23 Range 8.

2/638. 1710 N 1000 W Massive Granite

S. 23 T. 48⁵⁷ R. 26



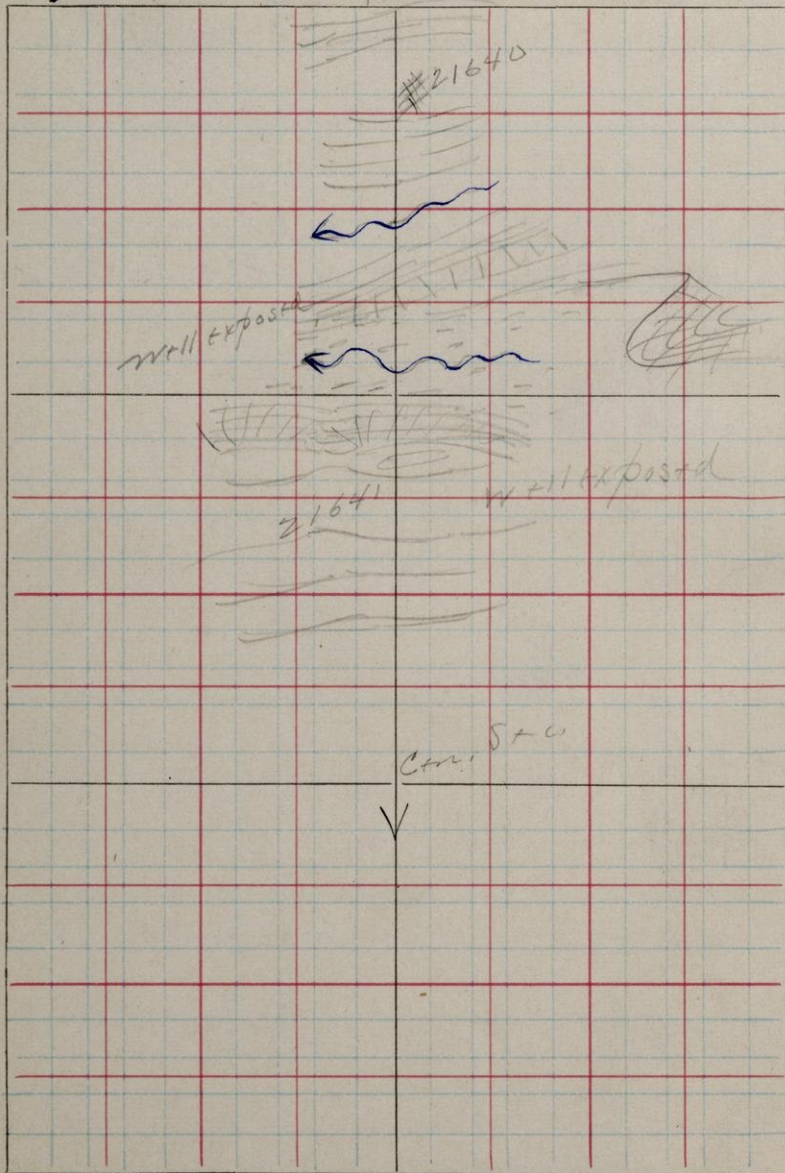
Course begins Con. St. 23. Runs S.

21839 440 N 1000 W. ^{III} Gottenburg.

No exposures of gneiss observed north of creek but there is a small knob of granite just south of the creek as indicated.

Run

S. 26 T. 48 11⁵⁷ + Post R. 26



Course begin N $\frac{1}{4}$ Sec. 26. Rmss S.

S. E. Cor. 26.

21640 1910 N. 1000 W. ~~Mass~~ dirt.

21641 1920 N 1000 W. Course G.

Well exposed, precipitous
sides down to creek bottom.

Qam.

S. 26 T. 48⁶¹ R. 26

ern. Oct 26

Numerous
 of githus tone

Wellford
grover

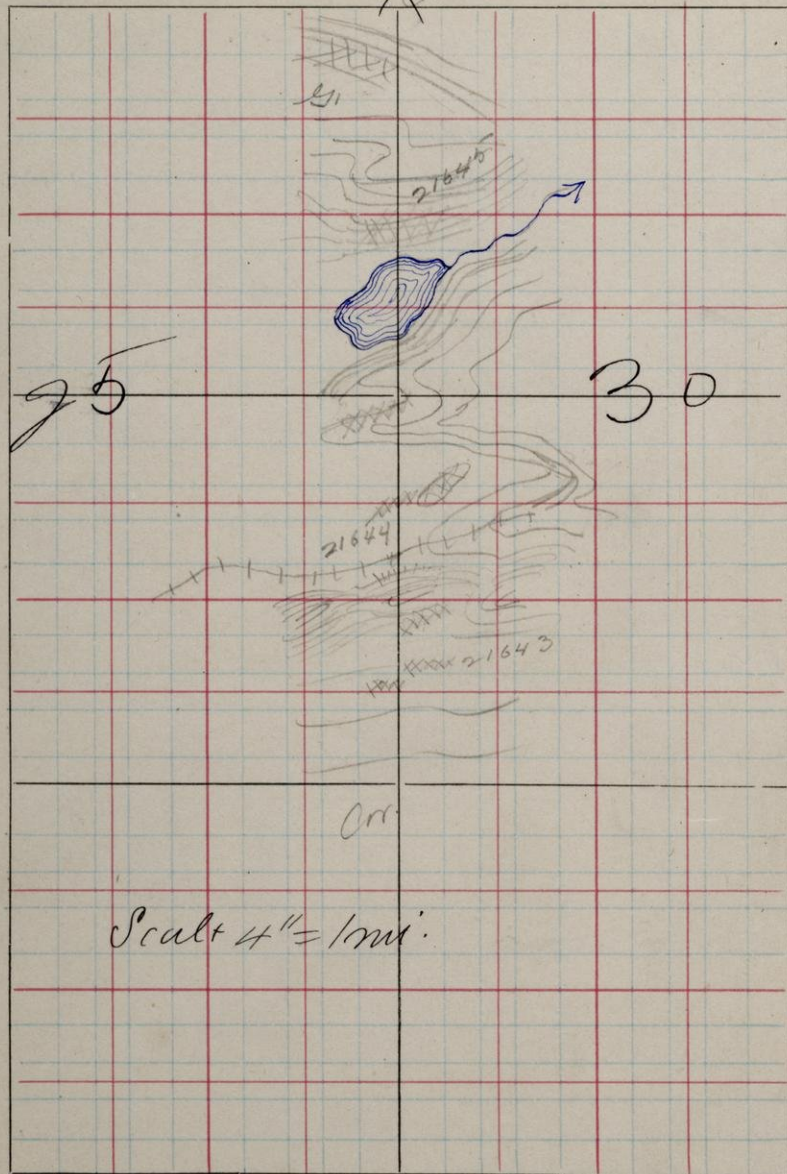
$\frac{1}{4}$ past.

Course begins Ctn Sec. 26. Runs S.

21642 840 N 1000 W. S. E. Cor. 26.
Green street.

Pair.

S. 30-2nd T. 48⁶³ R. 25



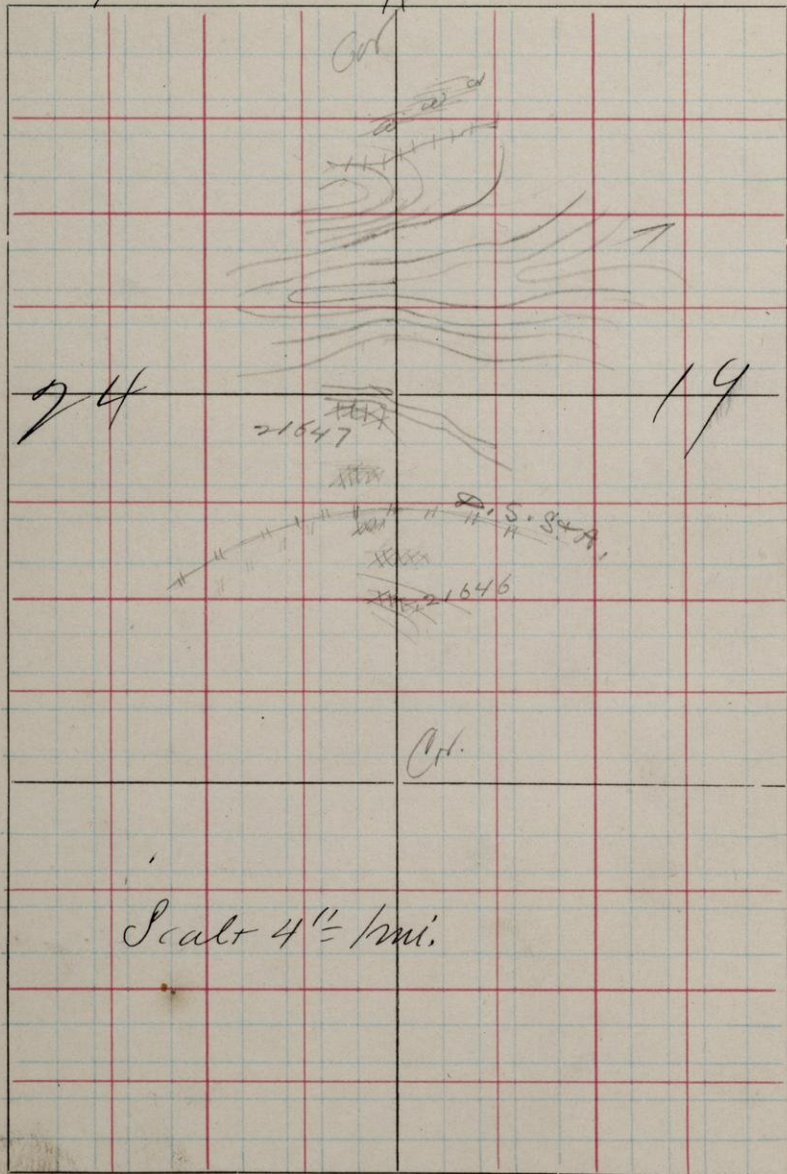
Course begins S.W. cor. Sec. 30. Rums St.

21643 240 N 0 W S. f. cor. 25. Irregular.
Numerous outcroppings of
Same. " Green stnt.

21644 780 N 0 W massive green-
stnt.

21645 1450 N 0 W. Massive green-
stnt.

S. 1924T. 48 ⁶⁵ R. 25



Course begins S.W. cor. 19. Runs N.

21646 510 N 2000 W. Irregular.
~~Exempt~~ Exempt.

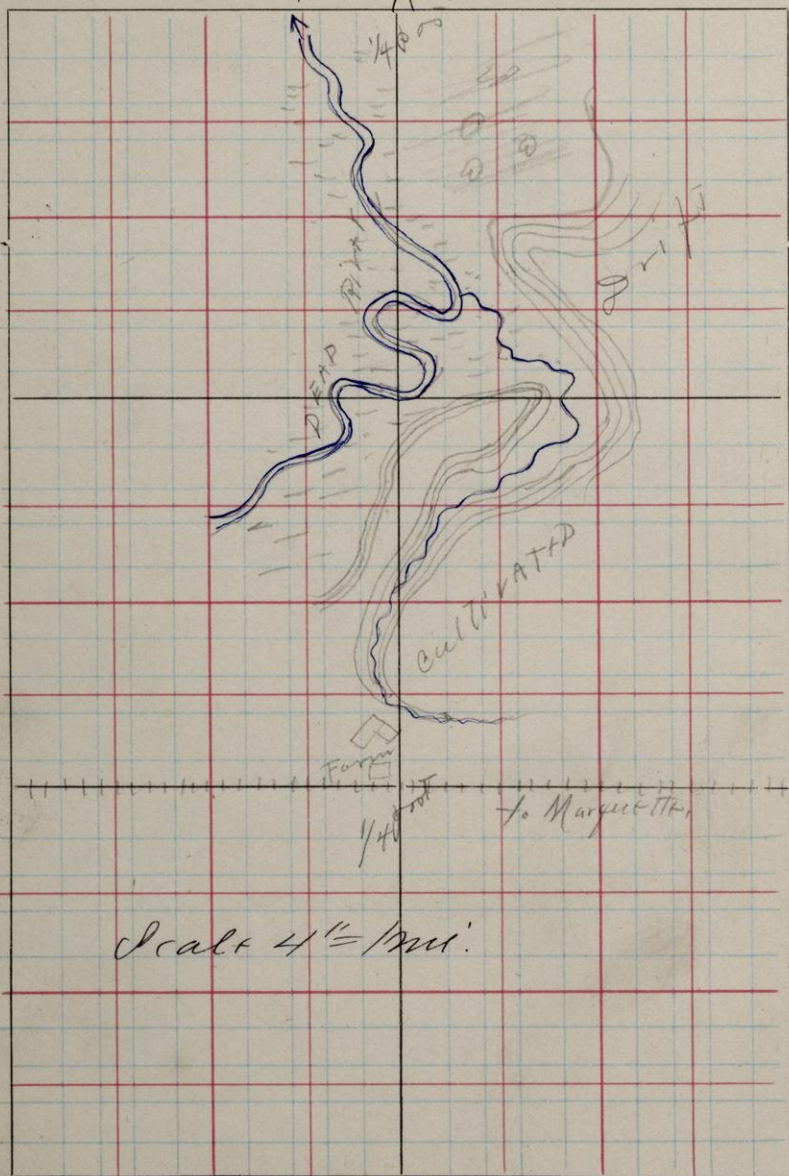
21647 950 N 2010 W. Massiv.
 Exempt?

S. 18 T.

67
48

R.

25



Scale 4" = 1 mi.

Course begins $8\frac{1}{4}$ Sec. 18. Runs N.

Table land 20-40 ft above
Dead River cut by creek with
banks of drift materials.

S.

19

T.

48

R.

25

1/4 sec.

Plotted

Farm

50

XXXXG.

Farm

21648

21649

11/1000

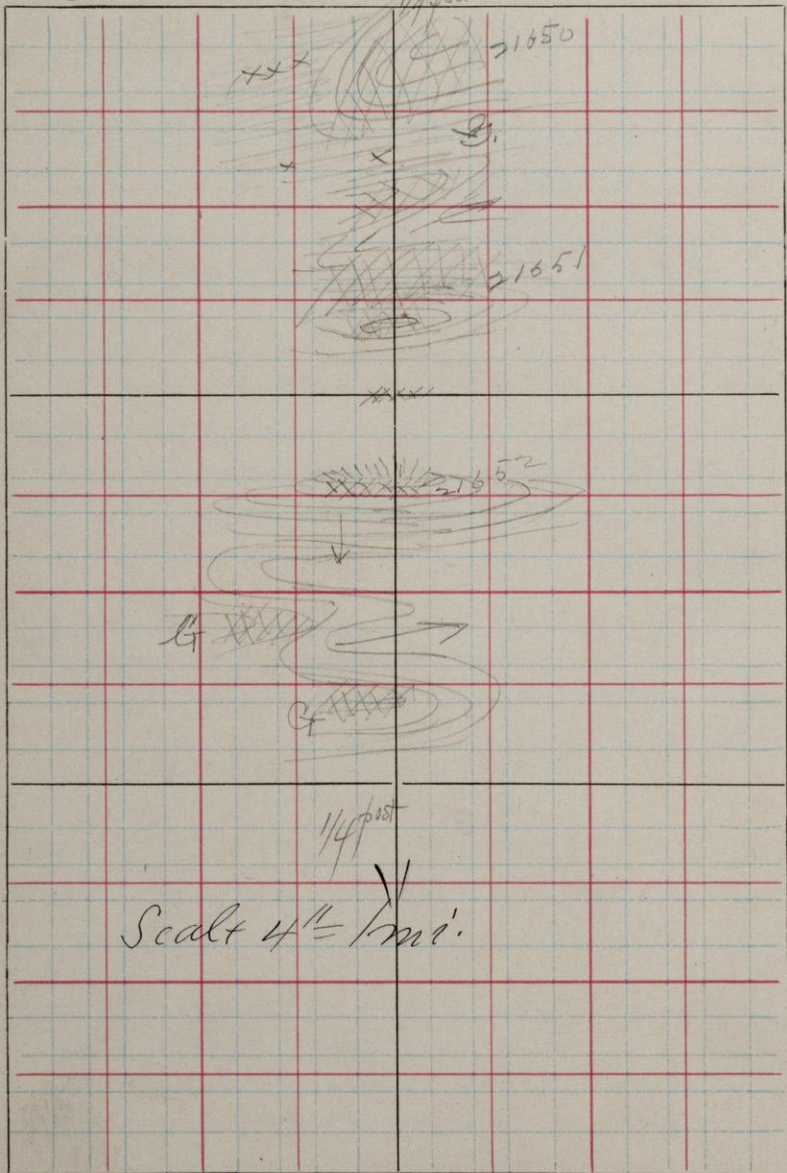
Scale 4" = 1 mi

Course begins N $\frac{1}{4}$ Sec. 19. P. 1000 S.

21648 1840 N 945 W. Massirt grttn-
slint

21649 860 N. 1000 W. Massirt grttn-
slint.

S. 30 T. 48⁷¹ R. 25



Course begins N $\frac{1}{4}$ Sec. 30. Runs S.

21650 1900 N 1000 W Massirt green-
silt

21651 1250 N 1000 W Massirt green-
silt

21652 800 N 1000 W Massirt green-
silt.

Limit silt at $\frac{1}{4}$ foot and
to the south

S.

T.

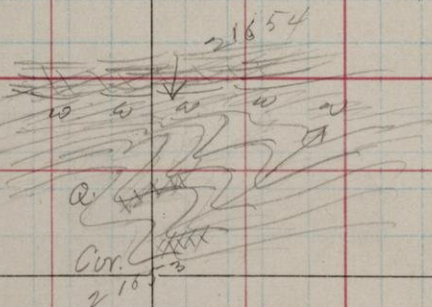
48⁷³

R.

25

29

28



Scale 4" = 1 mi.

Course begins S. W. Cor. 28. Runs N.
S. E. Cor. 28.

21653 85 N. 1990 W. Massiv. Not well
exposed. [#] Quartzite.

21654 530 N 2000 W Massiv. On
south slope. Contact with
quartzite probably marked
by topographic break.

S.

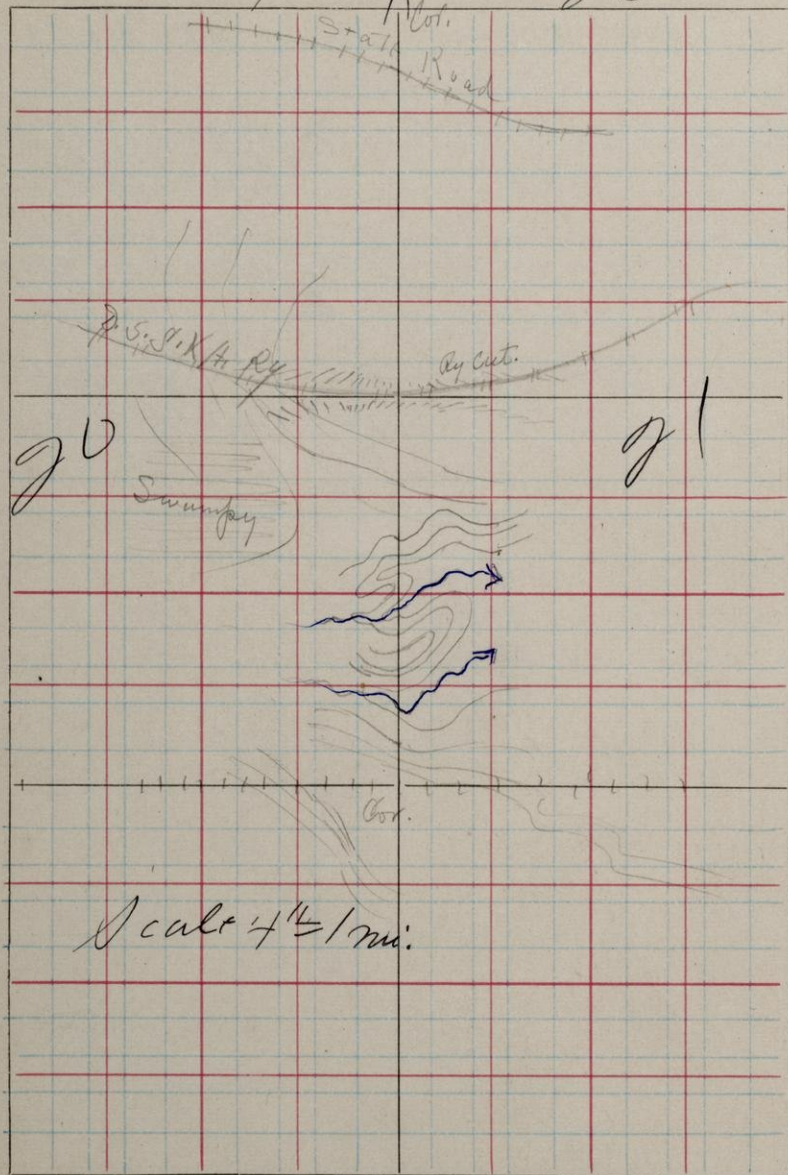
T.

48

75

R.

75



Count begins S. W. (W. D. H. 21.

Region 11.

Rolling drift covered
country. No outcroppings of
sandstone in creek bottom
observed. Finding places such
here.

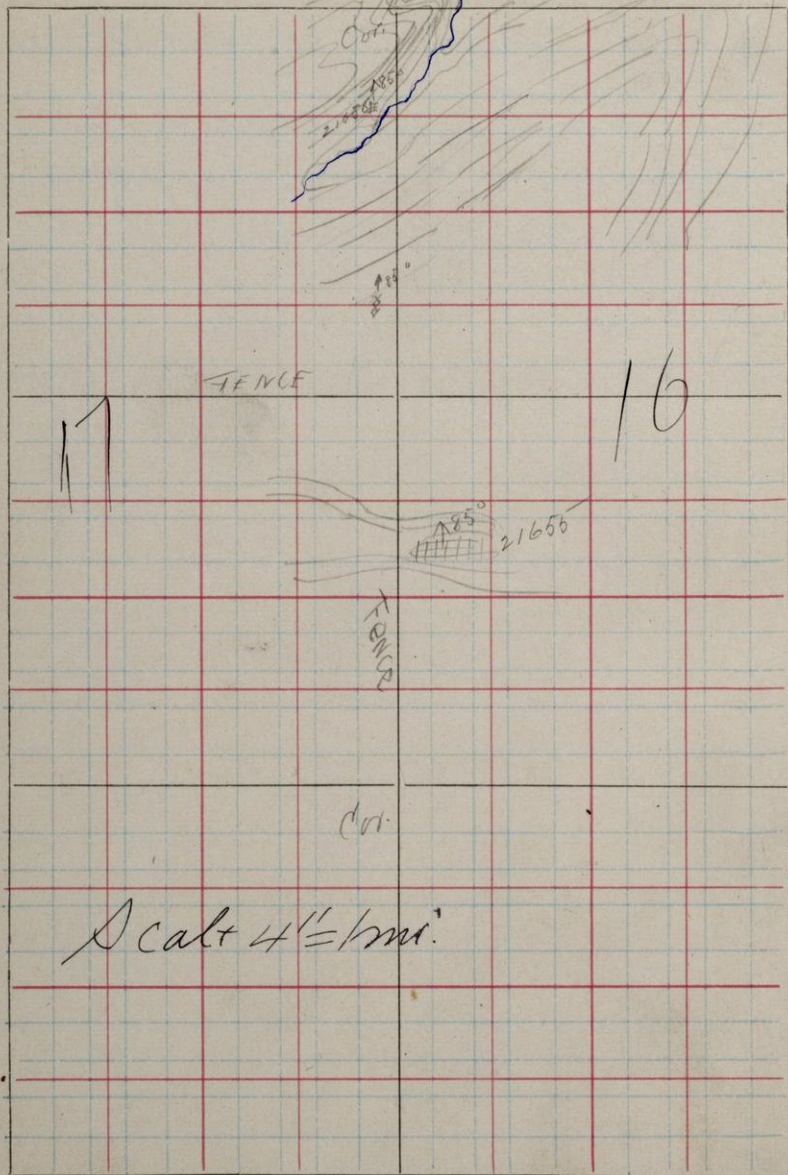
S.

T.

48⁷⁷

R.

25



Courst begins S.W. Cor. Dtr. 16. Runs N.

21655 620N 1960 W.S.E. Cor. 16. SN 90° E 59°
Green stone. Siliceous

21656 1770N 2040 W. S. N 90° E 85° N.
Slaty and weathered.
Very small exposure. Possibly a boulder, though height & dip would indicate it as in place.

21657 2000N 1870 W. Massive green-
stone. Diabase?

Granite in bed of Dead R.
to the north (See Runway r.)
No contact between Gr. & G. is
exposed. The granite evidently
runs up the creek bottom
but the ridge rising
to the west is greenstone.
Contact probably follows contour.

S.

16

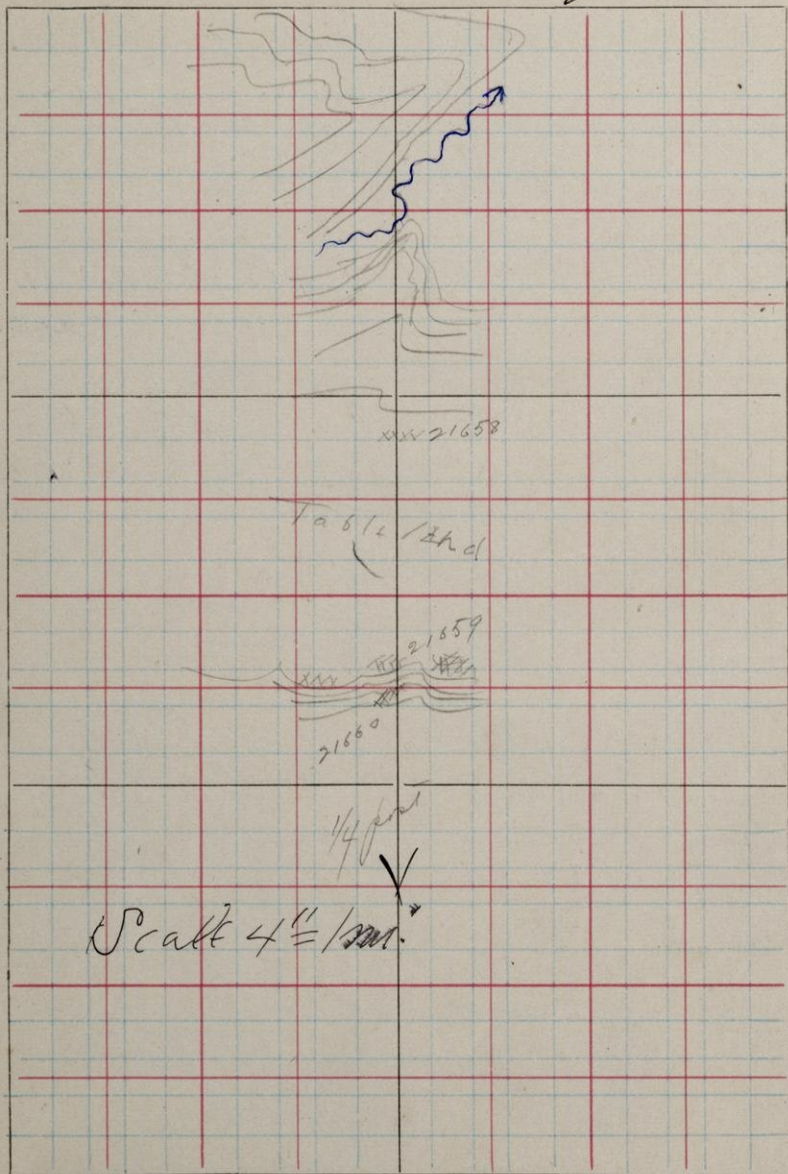
T.

79

48

R.

25



Course begins N $\frac{1}{4}$ Sec. 16. Runs S.

21658 900N 1000W. Small, poorly exposed
outcrop of greenstone.

21659 320N 1025W. Masswt. E. & W.
ridge. Magnetic. Diabase.

21660 235N. 1060W. SN 90°E. & 40°.
Exposure mostly masswt.
greenstone with a dyke of
— 60

S.

21

T.

81
4.8

R.

25



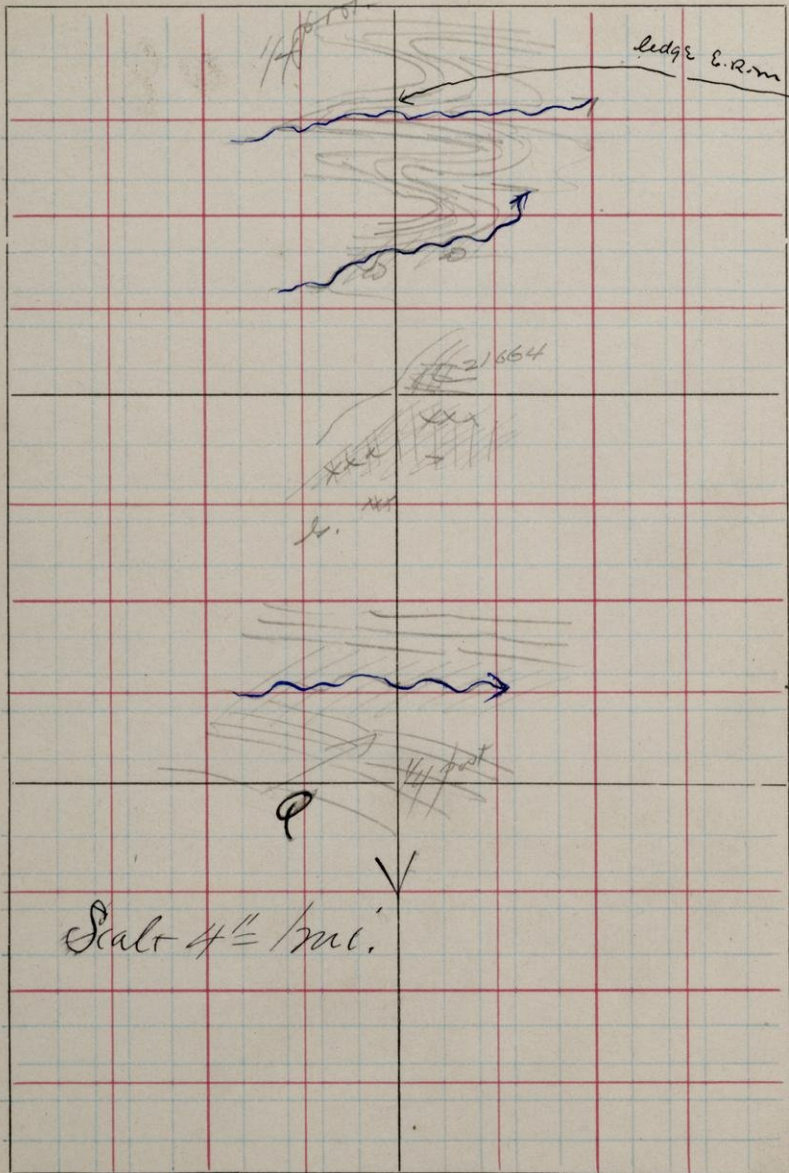
Course begins N $\frac{1}{4}$ Sec. 21. Runs S.

21661 1690 N 870 W. S. E. Cr. 21. Massive
b

21662 670 N 1400 W Massive
b.

S. 28 T. 48

R. 25



Course begins N $\frac{1}{4}$ Sec. 28. Runs S.

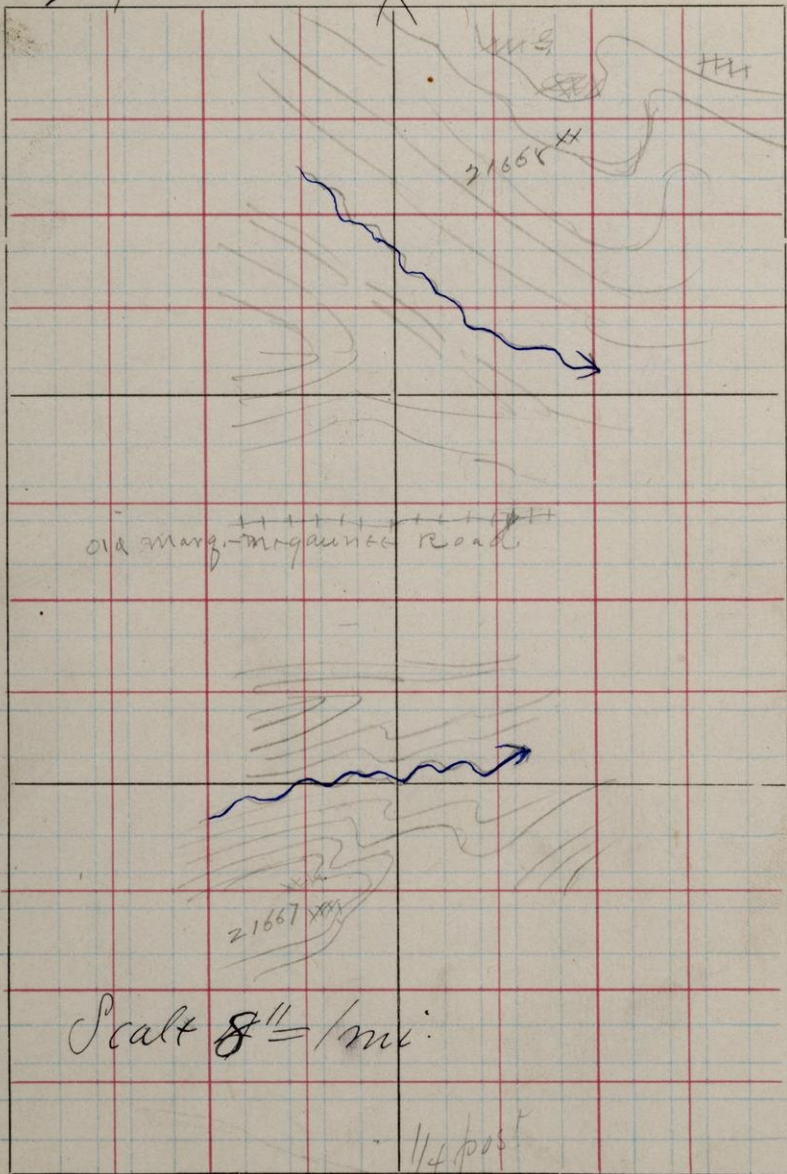
- 21663 1800 N 1000 W. Massive.
Small exposure only.

21664 1050 N 1975 W. Massive.
Poorly exposed. " G.

Creek probably marks line
of contact of greenstone and
quartzite to the south.

For
21665-6
see last page of notes

S. 27 T. 48 R. 25



Scale 8" = 1 mi.

1/4 post

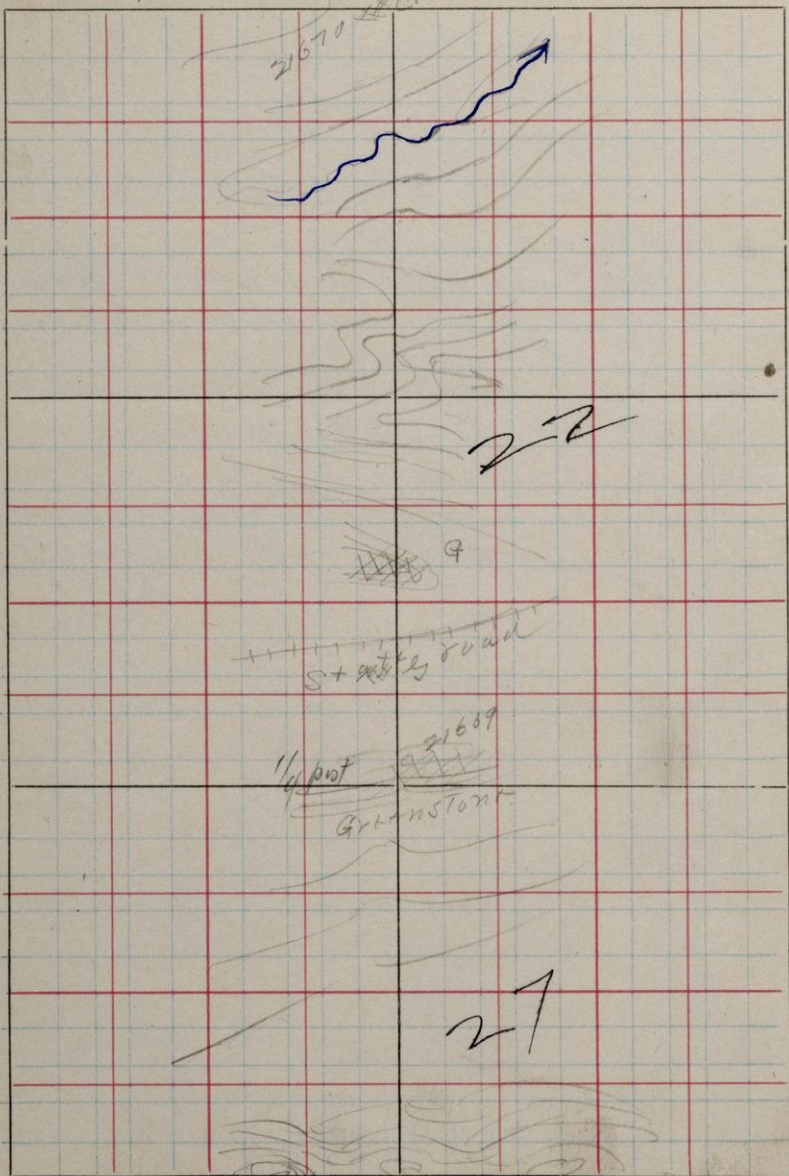
✓ Course begins S $\frac{1}{4}$ Sec. 27. Runs N.

2/667 350 N 1100 W. S. E. Cor. 27.
Massive green tmt.

2/668 1350 N 775 W. Massent. General
exposed ridge with numerous
outcrops having massive
appearance.

Contact with quartzite
on the south not exposed.

S. 22-27 T. 48 R. 25



Course begins $\frac{1}{4}$ mile 27500 ft S. N. $\frac{1}{4}$.
Running north.

21669 40N 1000W S. t. (or. 22. Massiv
Has non-uniform structure.
In a test pit, this too + and
somewhat contorted strata
have a general vertical
appearance. Quartz veins.
Discolored by iron.

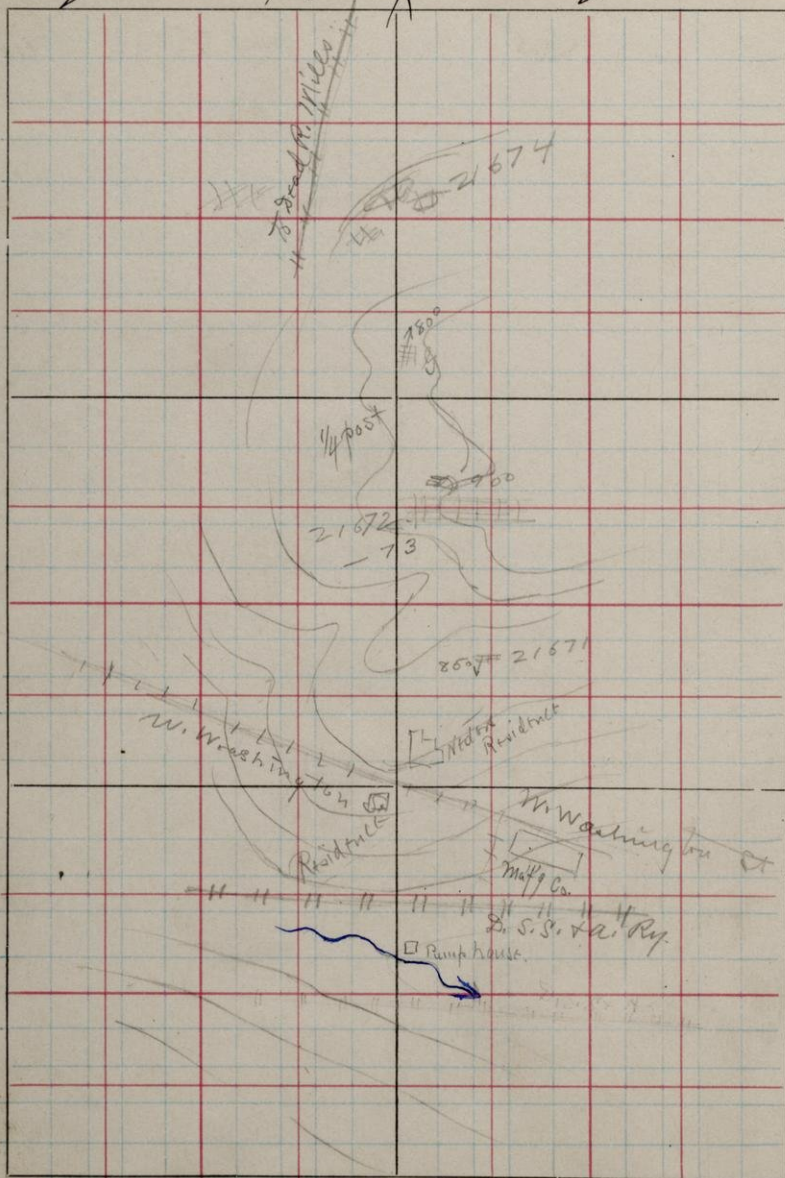
21670 2000N 40W Massiv. Small
exposure.

S. 22 T. 48

89

R.

25



Course. Legrim Cr. St. 22. Runs N.

21671 670 N 875 W. S. E. Cr. St. 22.
S. N 90° E Δ 85° S.

Weathered. Small exposure.

21672 850 N. 970 W. Massive. Becomes
shistose as it approaches
— 73.

✓
21673 850 N 970 W. S. N 90° E Δ 90°
Contacted. Appears to be a
stone or dyke in 72.

✓
21674 790 N 985 W. S. E. Cr. 15. Massive
Well exposed

S. 10 T. 48 R. 25 to Marquette

91
to Dead R. Mills

Driving Park

Drift

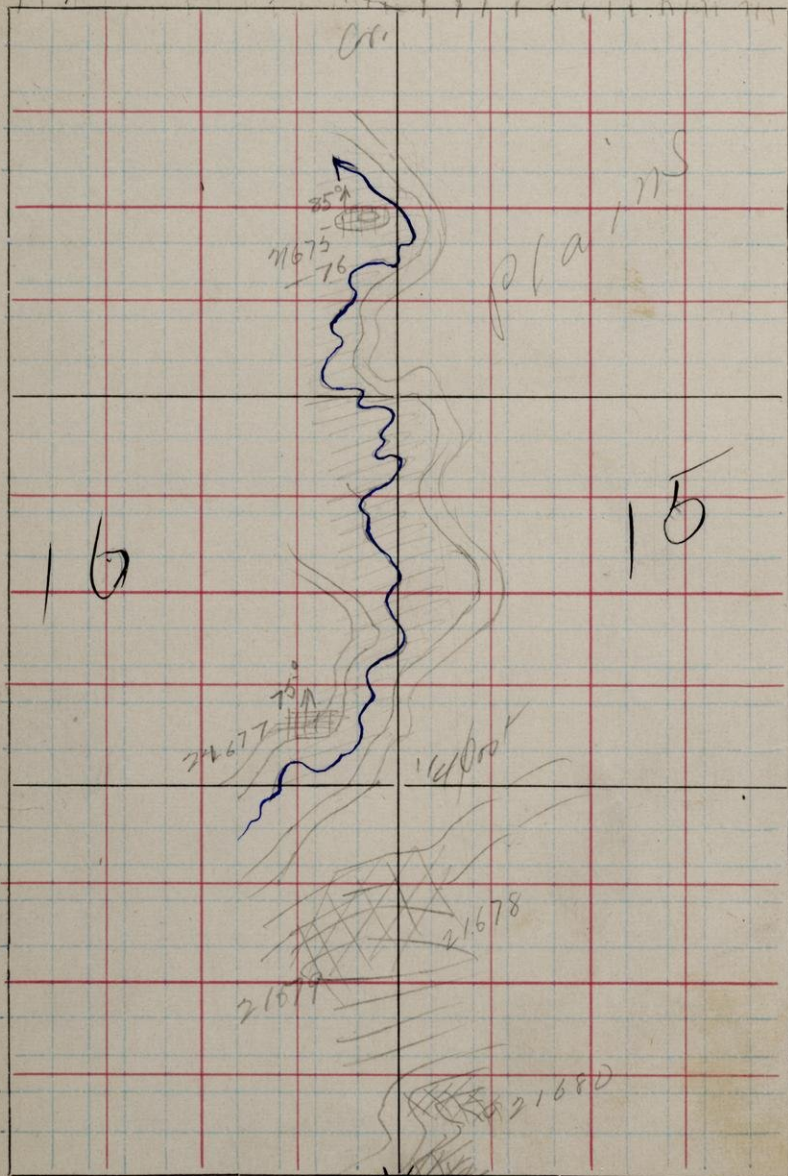


Course & Runs N. on $\frac{1}{4}$ line - Sec. 15,

Gently rolling drift country
which continues north to the
Dead River.

→ Centre 15. - E. R. M.,

S. 15 T. 48 R. 26



✓ Course begins N.W. Cr. Stc. 15, Runs S.

21675 1740 N 20 W S.E. Cr. 16. S N 90° E D + 5° N.
Forms knot 25 ft. high. Gr

✓ 21676 1740 N 20 W. Dykt in - 75. Ir-
regular but distinct with
general eow trend. Hornbl. rock

21677 1070 N 60 W S N 90° E D 75° N
Faintly banded and some-
what con tr t d. DLS.

✓ 21678 800 N 0 W Forms dykt in green-
stone schist running about
eow. 4 ft. wide. Fine gr. diab.

21679 780 N 20 W Forms dykt in
in greenstone schist. Gr.

21680 575 N 1925 W. S.E. Cr. 15. Massive
Course gr. S.

The granite # 79 forms
dyks in the greenstone
following the plane of schist
osity. Occurs in several
knots.

S.

T.

48

R.

25

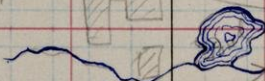
16

80 ft
21681 160 ft

15

Cor.

U. P. Brewing Co.



g | Washington St. 22

D. S. S. + A. Oby.

1/40 1/100

✓ Wet line Stc's 15 + 22.

21681 300m. SW. S. 6. W. 16. S. N. 90° E D 80° N.

From test pit, difficult to obtain properly sized specimens. Test pit evidently for iron which has discolored the rock

Arthur W. Scher

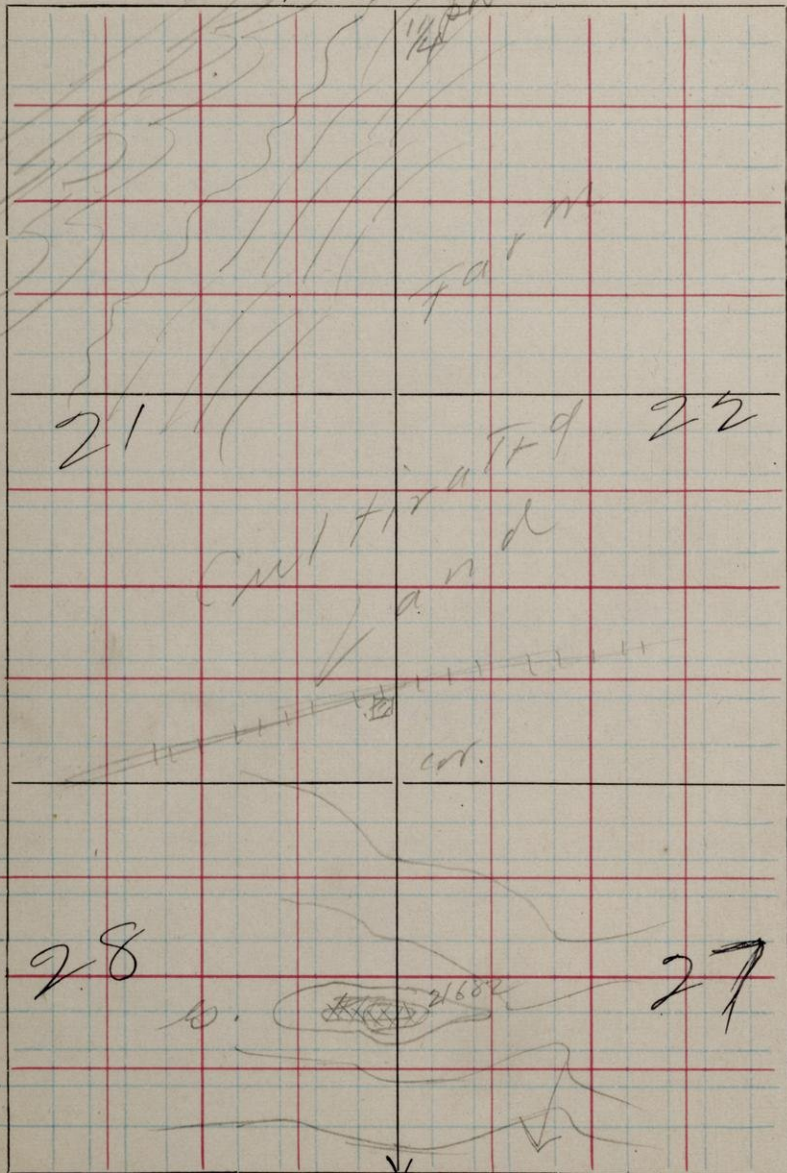
S.

T.

97
48

R.

25



West limit of Sec's 22+27

7/682 1700N 1490W. S.F. Cor. 27. Massive
Forms well exposed knob.
G.

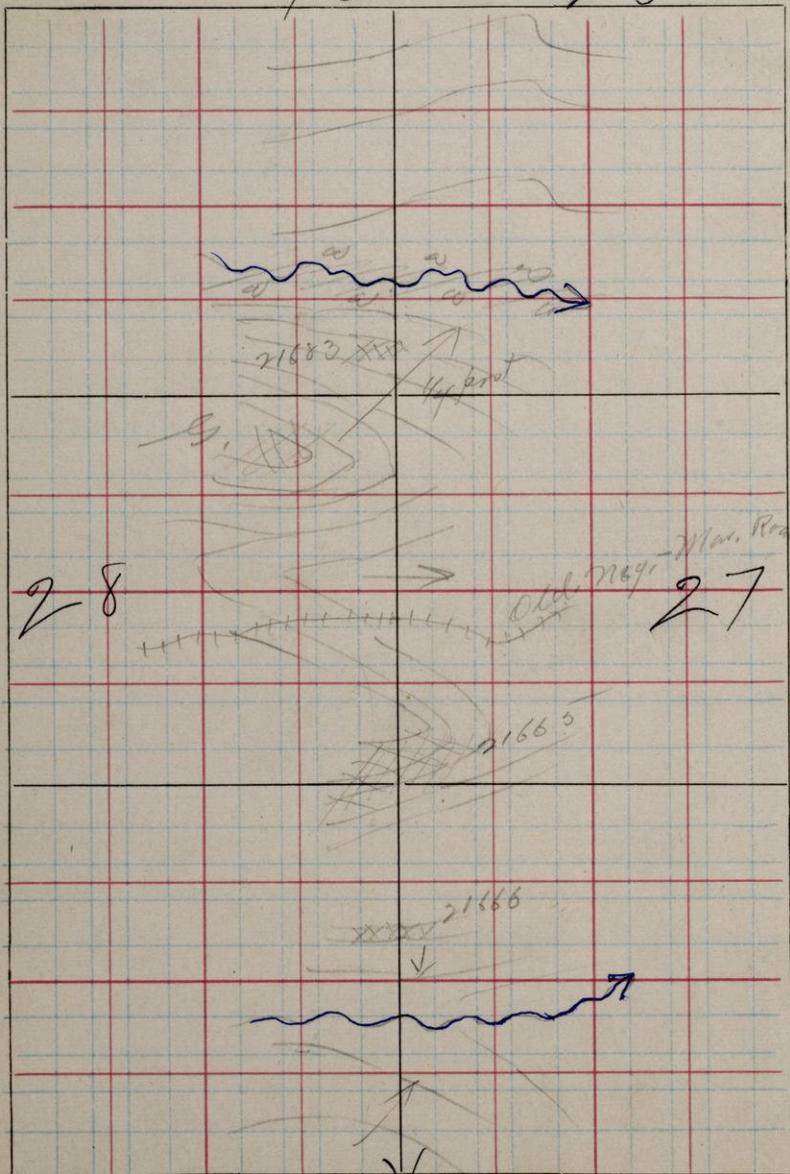
S.

T.

96
48

R.

25



Sec. line - Secs 28 + 27. Runs S.

71683 106 on OW. S.E. cor. 28. Massive.
Large ridge with small
exposures. # Greenstone

71665 515 N. OW. Massive. Face to the
south with gradual slope
northward. # Greenstone.

✓
71666 310 N OW. Massive Low, poorly
exposed on ridge or terrace.
No trace of it observed east
or west. Conglomerate.

Quartzite prominent to south
of Section line.

