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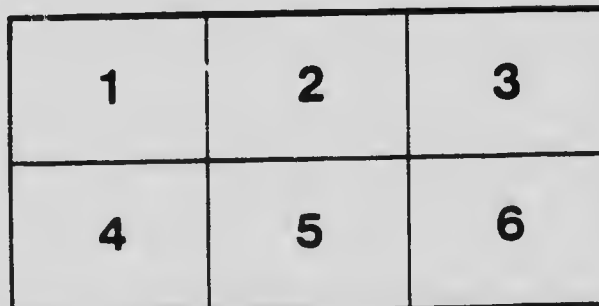
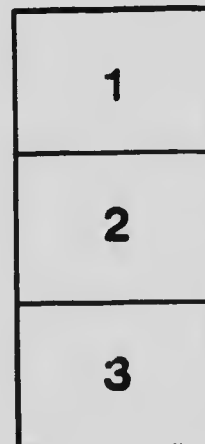
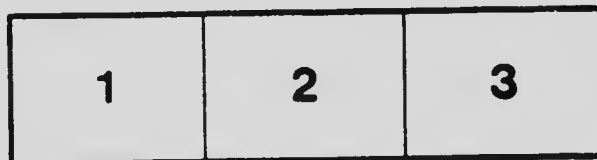
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CANADA
DEPARTMENT OF MINES

HON. ALBERT SÉVIGNY, ACTING MINISTER; R. G. MCCONNELL, DEPUTY
MINISTER.

MINES BRANCH
EUGENE HANSEL, Ph.D., DIRECTOR.

Iron Ore Occurrences in Canada

VOL. I











Maps

1917

- No. 106 Geological map, Austin Brook Iron-bearing district, Gloucester Co., New Brunswick.
" 107 Magnetometric map, Austin Brook Iron-bearing district, Gloucester Co., New Brunswick.
" 185 Magnetometric map, Blairton Iron mine, Peterborough Co., Ont.
" 185a Geological map, Blairton Iron mine, Peterborough Co., Ont.
" 186 Magnetometric map, Belmont Iron mine, Peterborough Co., Ont.
" 186a Geological map, Belmont Iron mine, Peterborough Co., Ont.
" 190 Magnetometric map, Coehill and Jenkins Iron Ore Deposits, Hastings Co., Ont.
" 190a Geological map, Coehill and Jenkins Iron Ore Deposits, Hastings Co., Ont.
" 191 Magnetometric map, Iron Ore Deposits at Bessemer, Hastings Co., Ont.
" 191a Geological map, Iron Ore Deposits at Bessemer, Hastings Co., Ont.
" 192 Magnetometric map, Rankin, Childs and Stevens Iron Ore Deposits, Hastings Co., Ont.
" 192a Geological map, Rankin, Childs and Stevens Iron Ore Deposits, Hastings Co., Ont.
" 205 Magnetometric map, Moose Mountain Iron-bearing district, Deposits No. 1 to 7 (incl.)
Sudbury district, Ont.
" 206 Magnetometric map, Moose Mountain Iron-bearing district, Northern portion Deposit
No. 2, Sudbury district, Ont.
" 207 Magnetometric map, Moose Mountain Iron-bearing district, Deposits No. 8, 9, and
9a, Sudbury district, Ont.
" 208 Magnetometric map, Moose Mountain Iron-bearing district, Deposit No. 10, Sudbury
district, Ont.
" 208a Magnetometric map, Moose Mountain Iron-bearing district, Eastern Portion Deposit
No. 11, Sudbury district, Ont.
" 208b Magnetometric map, Moose Mountain Iron-bearing district, Western Portion Deposit
No. 11, Sudbury district, Ont.
" 208c General Geological map, Moose Mountain Iron-bearing district, Sudbury district, Ont.
" 3' Magnetometric map, Atikokan Iron-bearing district, Atikokan mine and vicinity,
Rainy River district, Ont.
" 340a Geological map, Atikokan Iron-bearing district, Atikokan mine and vicinity, Rainy
River district, Ont.
" 443 Magnetometric map, Bristol mine, Pontiac Co., Que.

GEOLOGICAL MAP

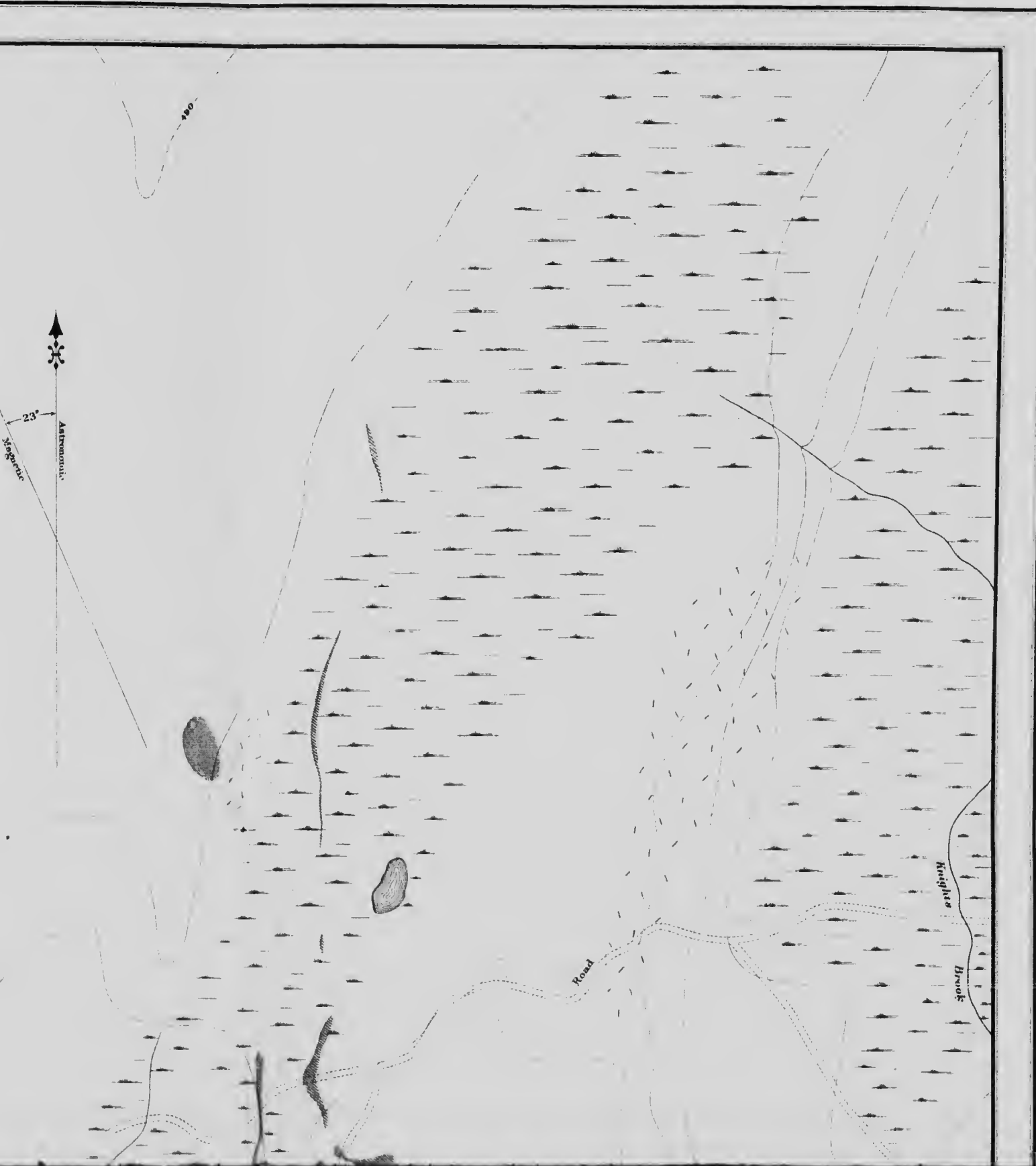
LEGEND

-  Superficial deposits
(peat, gravel and sand)
-  Outcrop of iron ore
-  Probable ore area indicated
by magnetometric survey
-  Quartz porphyry
-  Diabase
-  Roads and buildings
-  Railway
-  Swamp
-  Contours, interval 10 feet.
-  Bridges




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MINES BRANCH

MINISTER, A.P. LOW, LL.D., DEPUTY MINISTER
E. HAANEL, PH.D., DIRECTOR








MAGNETOMETRIC MAP




LEGEND

 *Isodynamic lines of the vertical magnetic intensity*

Positive Intensity

-  *Magnetic Reading greater than 60°*
-  *50° to 60°*
-  *40° .. 50°*
-  *20° .. 40°*
-  *0° .. 20°*

Negative Intensity

-  *Magnetic Reading 0° to -20°*
-  *-20° .. -40°*
-  *greater than -40°*

Constant of Instrument = 0.9 H

 *Outcrop of ore*

 *Swamp*

 *Roads and buildings*

 *Railway*

 *Contours, interval 10 feet*

 *Bridges*

 *Reference posts*








MAGNETOMETRIC MAP

C R O W






LEGEND

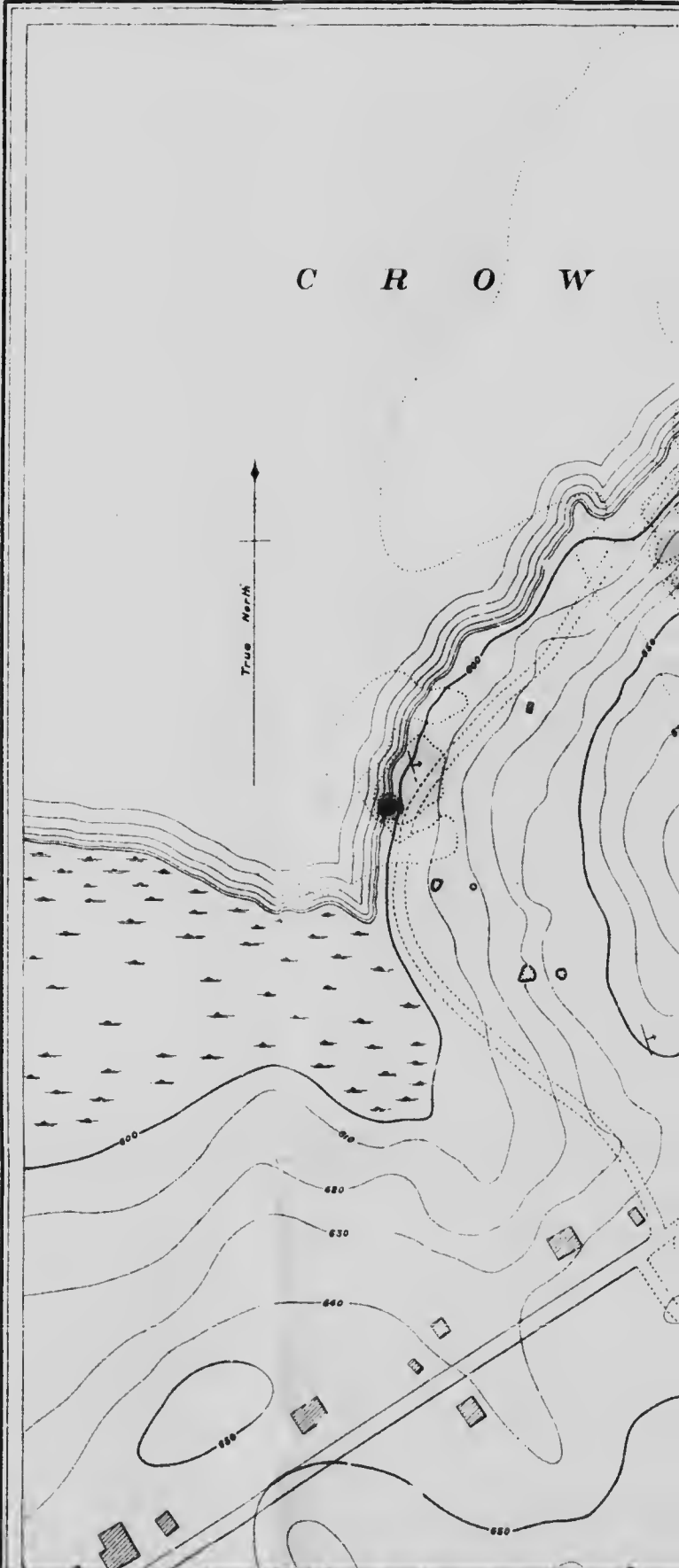
Isodynamic lines of the vertical magnetic intensity

Positive Intensity

	Magnetic attraction greater than 60
	between 50 60
	" 40 50
	" 20 40
	" 0 20

Negative Intensity

	between 0 20
	20 40
	" 40 50
	" 50 60
	Magnetic attraction greater than -60°










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EUGENE HAANEL, PH.D., DIRECTOR










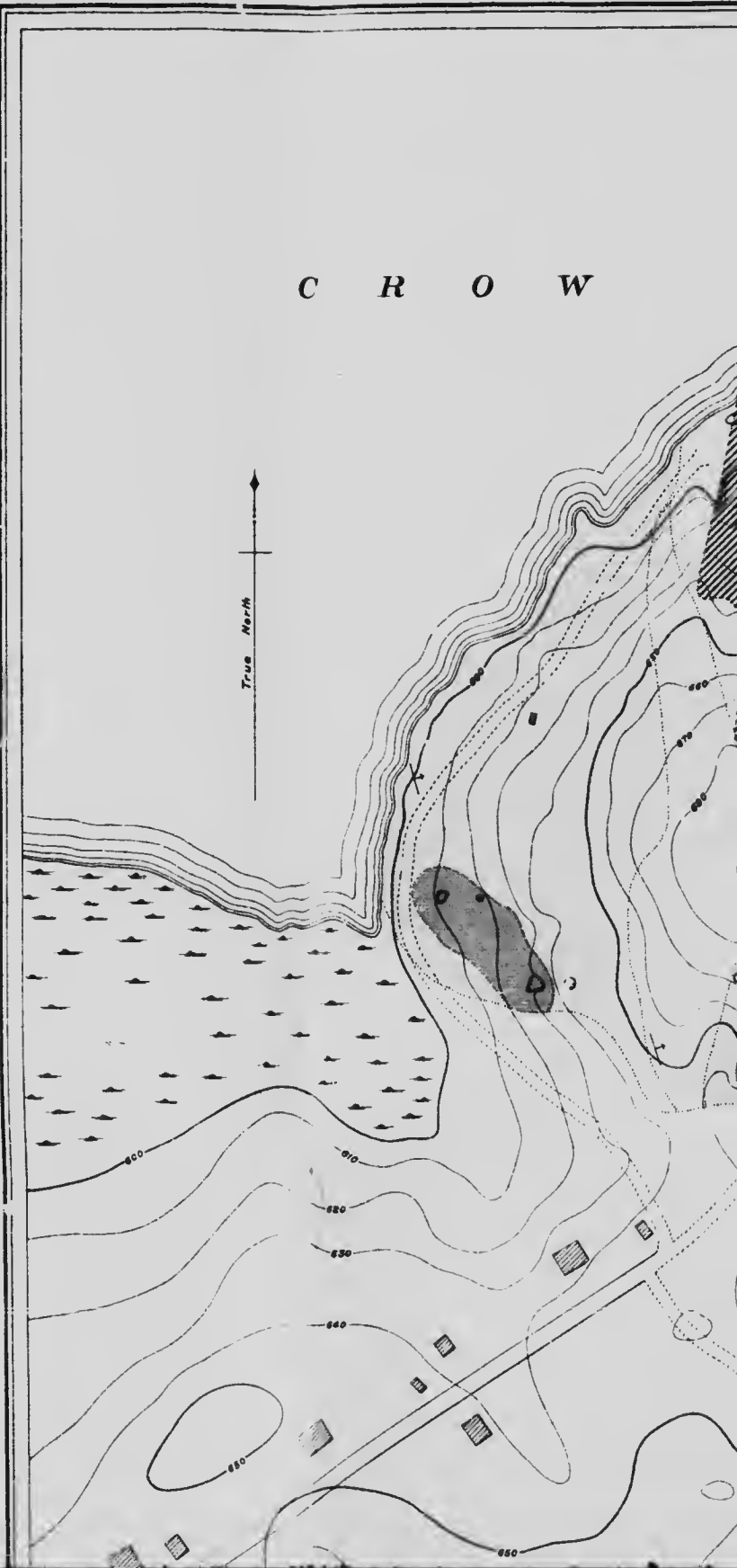
LEGEND

-  Roads and buildings
-  Reference posts
-  Diamond drill hole
-  Open cuts and Test pits
-  Swamp
-  Contours, interval 10 feet
Elevations above sea level
-  Mine dumps

GEOLOGICAL MAP

C R O W

- LEGEND
-  Drift-covered area
 -  Area within which Magnetite is likely to occur, indicated by Magnetometric Survey
 -  Cambro-Sibirian limestone and conglomerate
 -  Diorite (Archean)
 -  Crystalline limestone "
 -  Porphyritic hornblende and chlorite schist "
 -  Strike and dip










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MINISTER: A.P. LOW, LL.D., DEPUTY MINISTER
 H. HAANEL, PH.D., DIRECTOR

L A K E



LEGEND

-  Roads and buildings
-  Reference posts
-  Diamond drill hole
-  Open cuts and Test pits
-  Swamps
-  Contours, interval 10 feet
Elevations above sea-level
-  Mine dumps

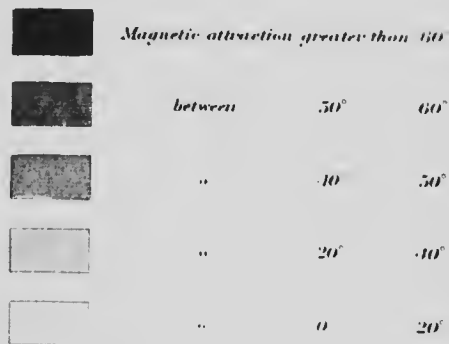
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EUGENE HAANEL Ph.D. DIRECTOR

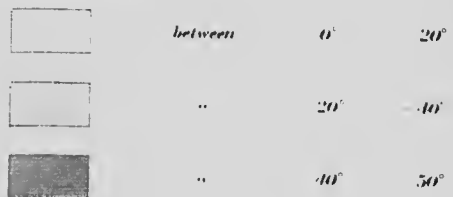
LEGEND

Isodynamic lines of the vertical magnetic intensity

Positive Intensity



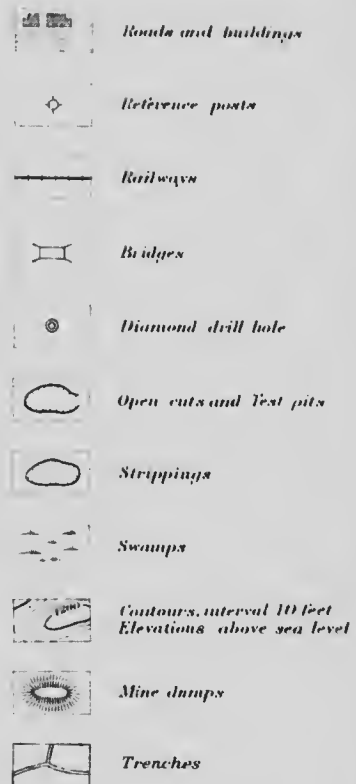
Negative Intensity



Constant of Instrument 10 H

Magnetic declination about E 3° West

LEGEND



H. E. Baine, Chief Draughtsman
L. H. S. Pereira, Draughtsman

BELMONT IRON MINE
LOT 19, CON. I
TOWNSHIP OF BELMONT
PETERBOROUGH COUNTY
ONTARIO

Magnetometric Survey
B. F. Haanel 1905
Topography
E. Lindeman 1911
Assisted by W. M. Morrison







NO. 186














Canada
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MINES BRANCH

Hon. ROBERT ROBERTS, MINISTER. A. P. LOW, LL.D., DEPUTY MINISTER
EUGENE HAASL, PH.D., DIRECTOR

GEOLOGICAL MAP

- LEGEND
-  Driftcovered area
 -  Outcrop of Magnetite
 -  Driftcovered area within which Magnetite is likely to occur, indicated by Magnetometric Survey
 -  Diorite (Archaean)
 -  Crystalline limestone "
 -  Porphyritic schist "



- LEGEND
-  Roads and built-up areas
 -  Reference posts
 -  Railways
 -  Bridges
 -  Diamond drills
 -  Open cuts
 -  Strippings
 -  Swamps
 -  Contours, interval 10 feet
Elevations above sea level
 -  Trenches
 -  Mine dumps


H. E. Baine, Chief Draughtsman
L. H. S. Pereira, Draughtsman

BELMONT IRON MINE
LOT 19, CON. I
TOWNSHIP OF BELMONT
PETERBOROUGH COUNTY
ONTARIO

Geology by
E. Lindeman 1911

NO. 1864

Scale 1 in. = 200' to 1 inch







Section along line A-B

Horizontal and vertical scale, 400 feet to 1 inch





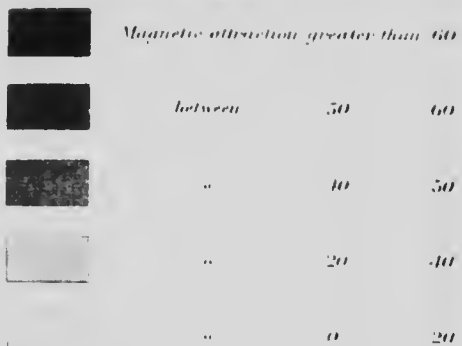
-  Contours, interval 10 feet
-  Bridges
-  Reference posts



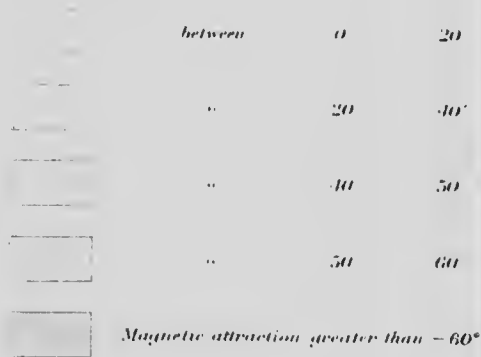


Buttimer's Line

Positive Intensity

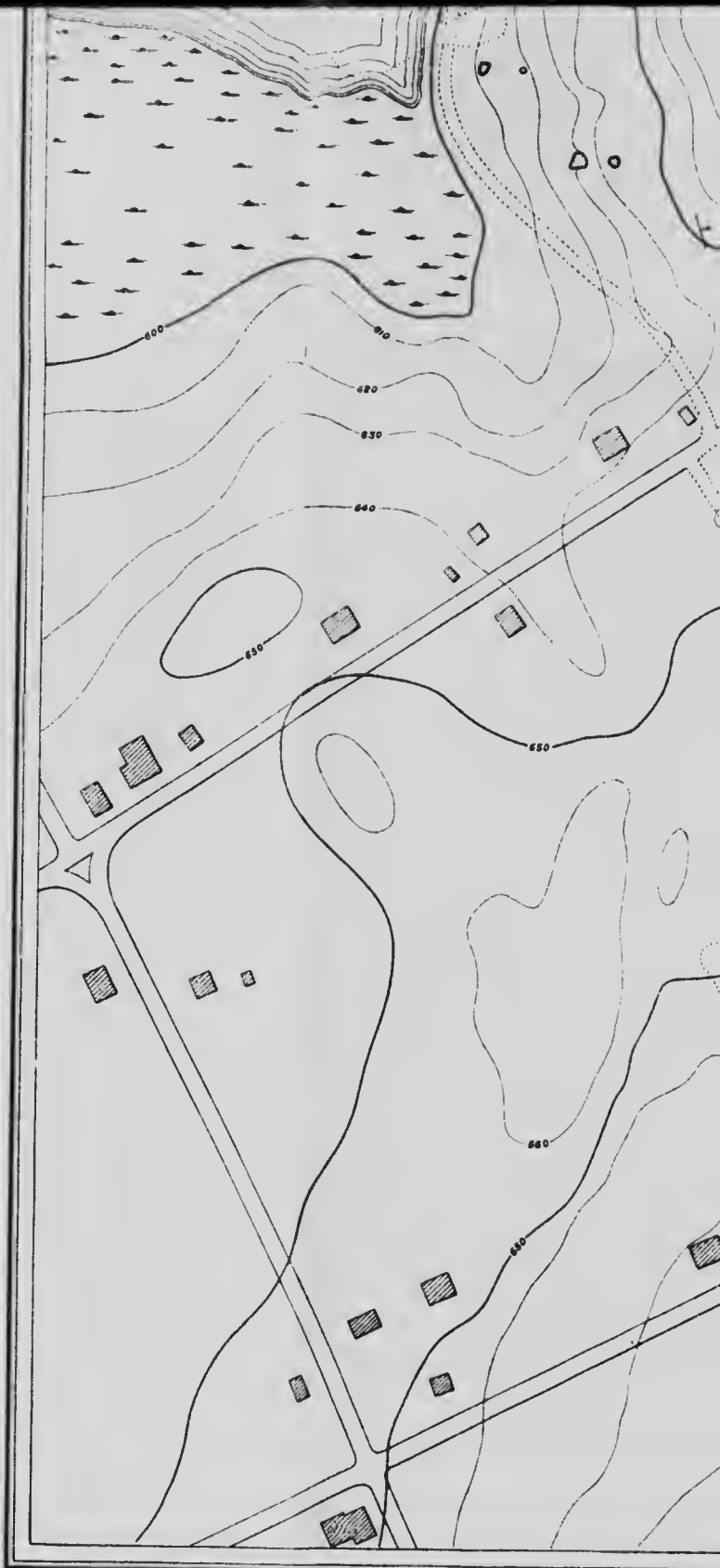


Negative Intensity



Constant of Instrument - 10 H

Magnetic declination about 13' West










H. E. Baine, Chief Draughtsman
L. H. S. Pereira, Draughtsman

BLAIRT
L
TOWNS
PETER





LEGEND

-  Roads and buildings
-  Reference posts
-  Diamond drill hole
-  Open cuts and Test pits
-  Swamp
-  Contours interval 20 feet
Elevation above sea level
-  Mine dumps

BLAIRTON IRON MINE
LOT 8, CON. I
TOWNSHIP OF BELMONT
PETERBOROUGH COUNTY
ONTARIO








No. 185

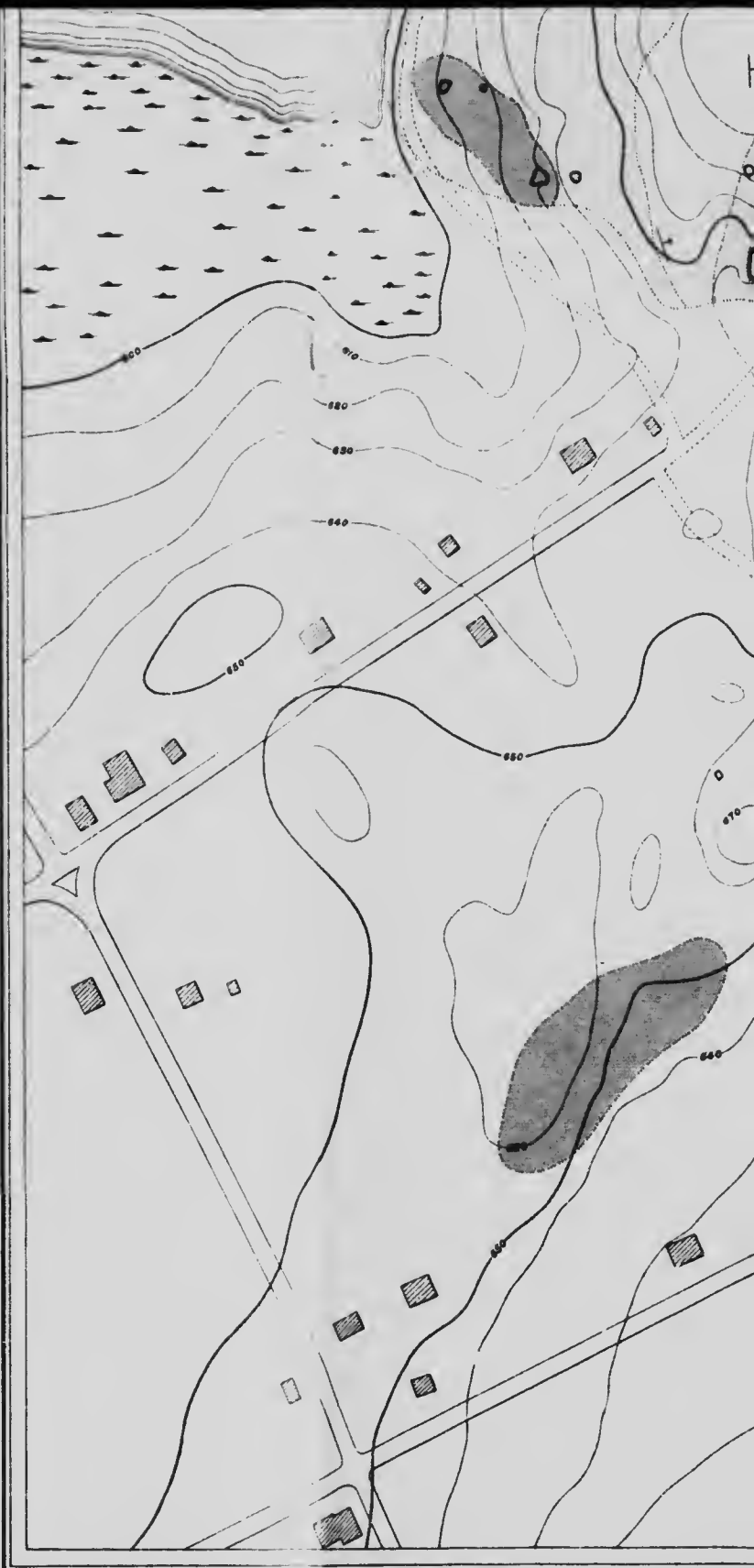
Surveyed by
E. Lindeman 1911
Assisted by W. M. Morrison

Scale 2400' - 200' to 1 inch



LEGEND

-  Driftcovered area
-  Area within which Magnetite is likely to occur, indicated by Magnetometric Survey
-  Cambro-Silurian limestone and conglomerate
-  Diorite (Archean)
-  Crystalline limestone "
-  Porphyritic hornblende and chlorite schist "
-  Strike and dip










H. E. Baine, Chief Draughtsman
 L. H. S. Pereira, Draughtsman

BLAIRTON
 LOT 8,
 TOWNSHIP C
 PETERBORO
 ONT
 Scale 1:50,000





LEGEND

-  Roads and buildings
-  Reference points
-  Diamond drill hole
-  Open cuts and Test pits
-  Swamps
-  Contours interval 10 feet
Elevations above sea level
-  Mine dumps

BARTON IRON MINE
LOT 8, CON. 1
TOWNSHIP OF BELMONT
PETERBOROUGH COUNTY
ONTARIO
 Scale 1:200 to 1 Inch

Geology by
E. Lindeman 1911

NO. 185 A



MAGNETOMETRIC MAP

LEGEND

Iso-dynamic lines of the vertical magnetic intensity

Positive Intensity



Magnetic attraction greater than 60



between 50 60



" 40 50



" 20 40



" 0 20

Negative Intensity



between 0 20



" 20 40



" 40 50



Canada
DEPARTMENT OF
MINES BRANCH

HON. ROBERT ROGERS, MINISTER; A.P. LOW
EUGENE HAANEL, PH.D., D.












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EUGENE HAANEL, PH.D., DIRECTOR





LEGEND

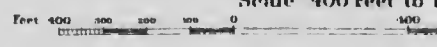
-  Roads and buildings
-  Corner posts and Lot lines
-  Reference posts
-  Railways
-  Diamond drill hole
-  Open cuts and Test pits
-  Shafts
-  Strippings
-  Pits filled with water

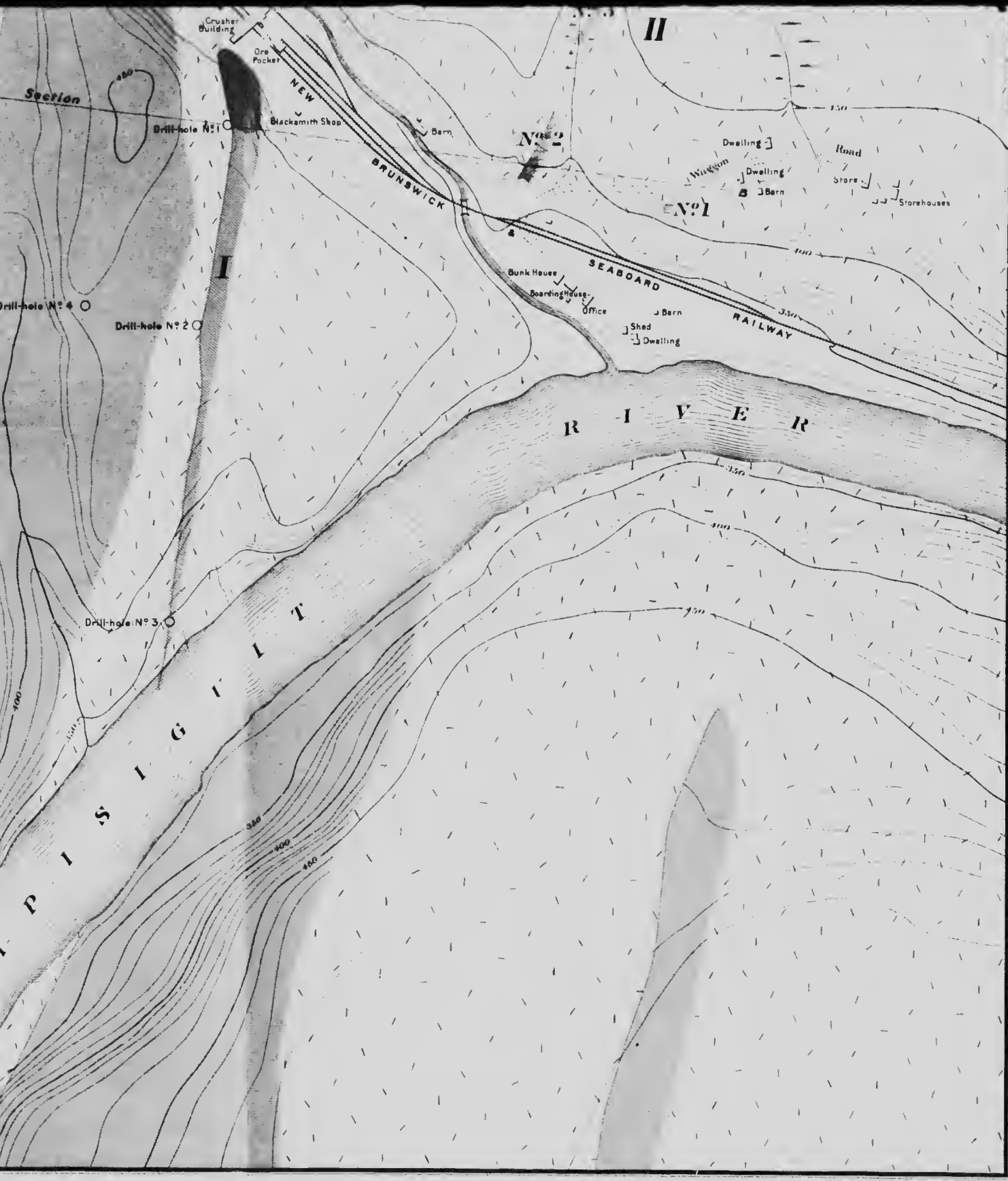


H.F. Baine, Chief Draughtsman

**AUSTIN
IRON BEARING
GLOUCESTER
NEW BRUNSWICK**

Scale 400 Feet to 1 Inch





No. 106

IN BROOK
 RING DISTRICT
 WESTER COUNTY
 BRUNSWICK

Surveyed by E. Lindeman, 1910
 Assisted by W. M. Morrison

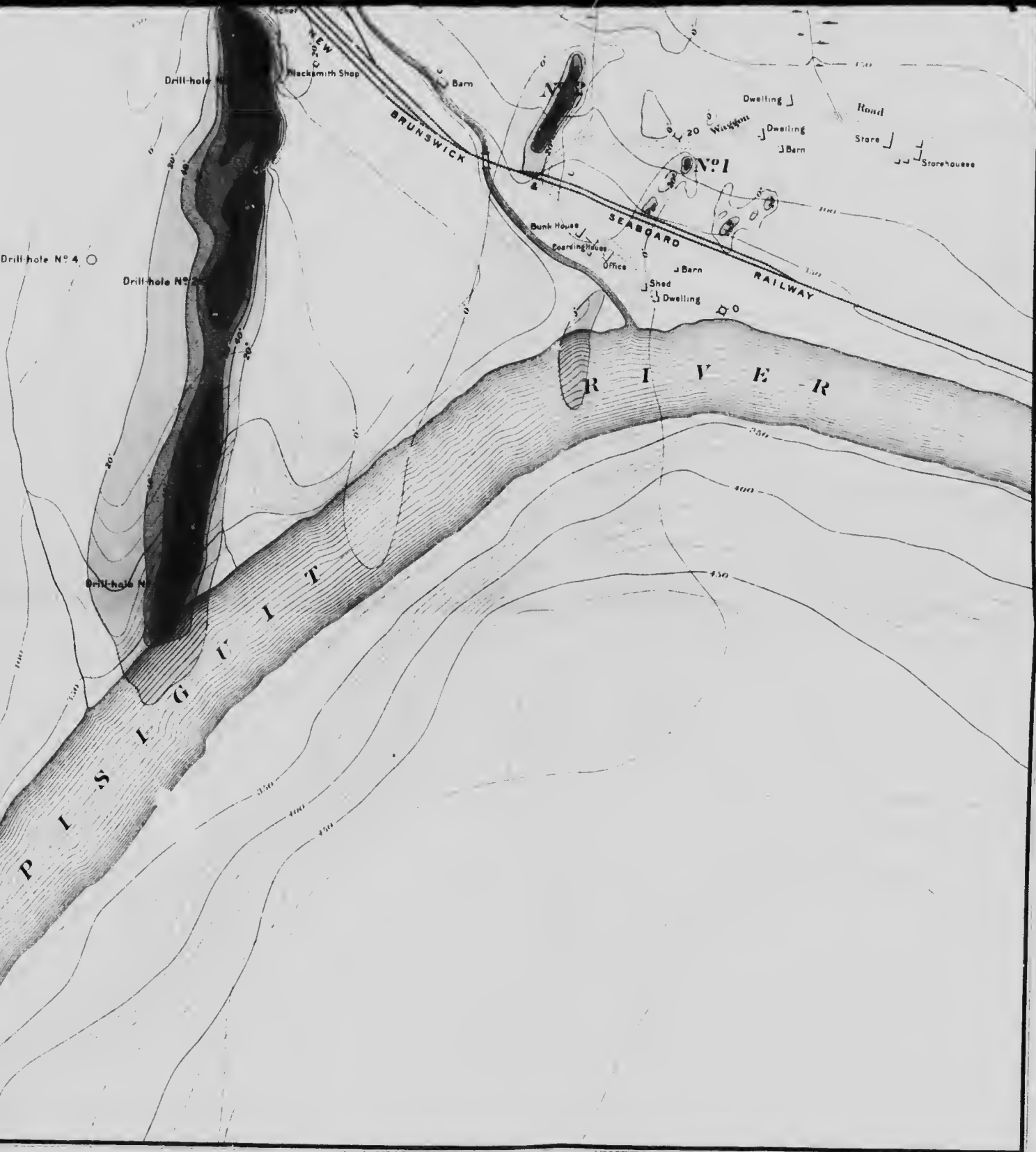




H. B. Doughty - Draughtsman

**AUSTIN IRON BEARING
GLOUCESTER
NEW BRUNSWICK**

Scale 400 Feet to 1 Inch
 Feet 400 200 100 0 100 200 400
 METERS 125 75 50 0 50 100 125



N° 107








IN BROOK
 RING DISTRICT
 STER COUNTY
 BRUNSWICK

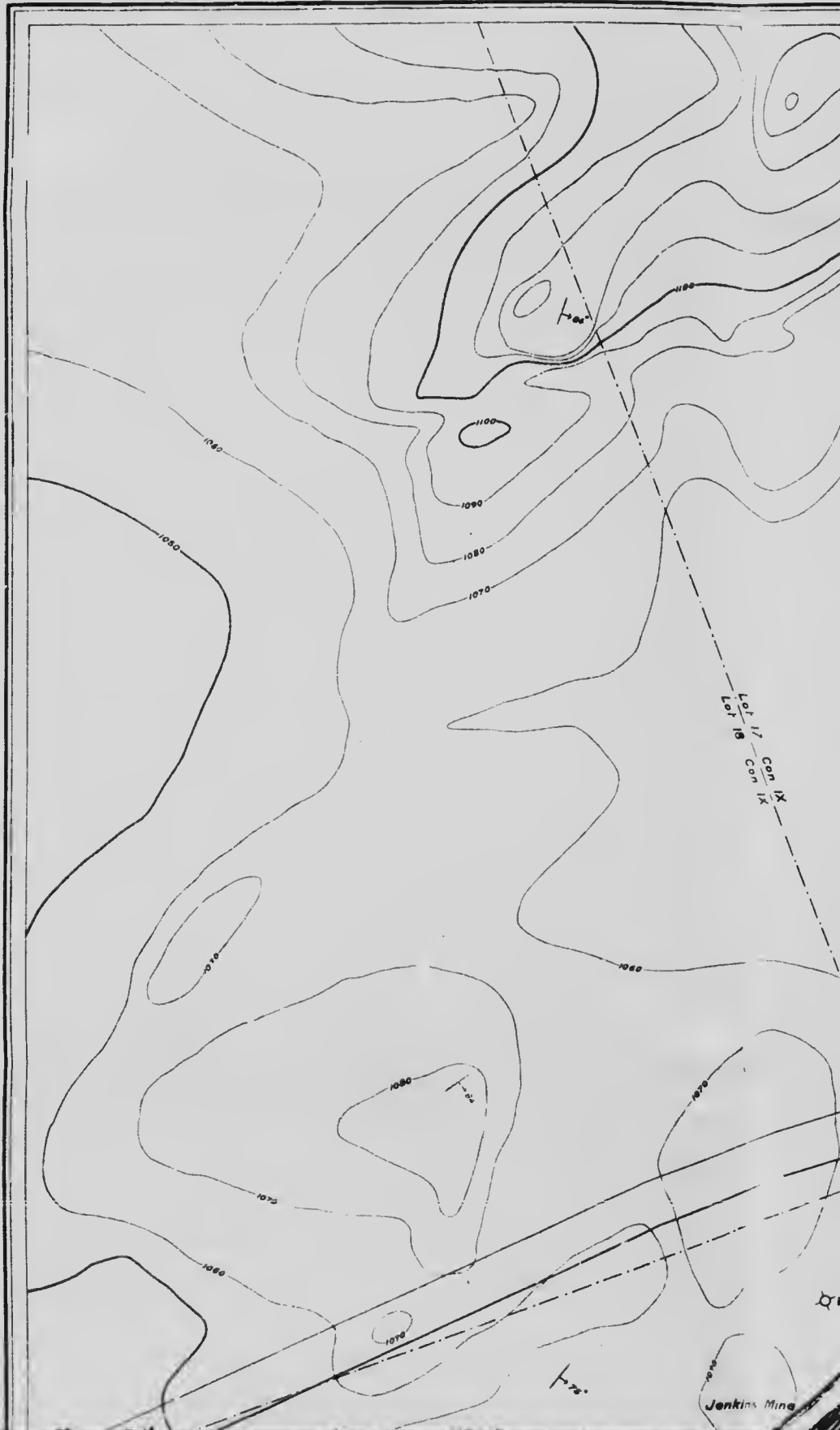
Surveyed by E. Lindeman. 1910
 Assisted by W. M. Morrison



GEOLOGICAL MAP

LEGEND

-  Driftcovered area
-  Outcrop of Magnetite
-  Driftcovered area within which Magnetite is likely to occur, indicated by Magnetometric Survey
-  Syenite (Archaean)
-  Crystalline limestone "
-  Schists and amphibolites "
-  Strike and dip



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EUGENE HAANEL, PH.D., DIRECTOR












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LEGEND

-  *Roads and buildings*
-  *Corner posts and Lot lines*
-  *Reference posts*
-  *Railways*
-  *Open cuts*
-  *Shafts*
-  *Strippings*
-  *Pits filled with water*
-  *Swamps*

Negative Intensity

	0	20
between	0	20
	20	40
	40	50
	50	60

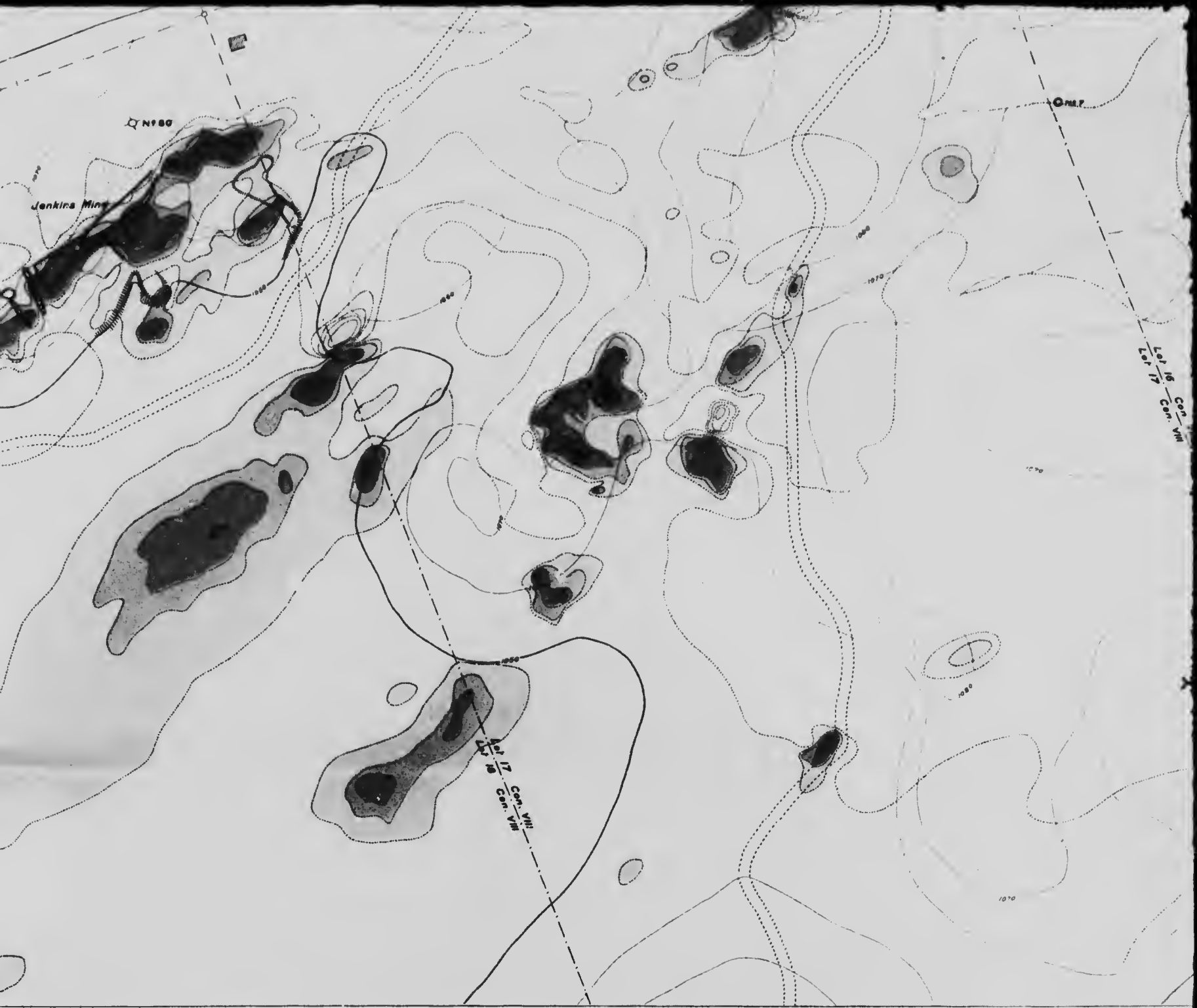
Magnetic attraction greater than -60°

Constant of Instrument 10 H

Magnetic declination about 10° West



H. E. Baine, Chief Draughtsman
L. H. S. Pereira, Draughtsman



COEHILL AND JENKINS IRON
LOTS 15, 16, 17 AND 18, C
TOWNSHIP OF WOLLA
HASTINGS COUNTY
ONTARIO









Scale 1000' 2000' to 1 Inch
100 0 100 200 300



COEHILL AND JENKINS IRON ORE DEPOSITS
LOTS 15, 16, 17 AND 18, CON. VIII
TOWNSHIP OF WOLLASTON
HASTINGS COUNTY
ONTARIO







Scale 100 - 200' to 1 inch



-  Diamond drill hole
-  Open cuts and Test pits
-  Shafts
-  Strappings
-  Pits filled with water
-  Swamps
-  Contours, interval 10 feet
Elevations above sea level
-  Mine dumps

Surveyed by
E. Lindeman 1911
Assisted by O. G. Gallaher

NO. 190


-  Outcrop of Magnetite
-  Drift-covered area within which Magnetite is likely to occur, indicated by Magnetometric Surveys
-  Syenite (Archaean)
-  Crystalline limestone "
-  Schists and amphibolites "
-  Strike and dip













H. E. Baine, Chief Draughtsman
 L. H. S. Percival, Draughtsman

COEHILL AND JENKINS IRON ORE
LOTS 15, 16, 17 AND 18, CON. V
TOWNSHIP OF WOLLASTON
HASTINGS COUNTY
ONTARIO

Scale 1000 - 200' to 1 inch





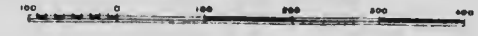
-  Reference posts
-  Railways
-  Open cuts
-  Shafts
-  Steppings
-  Pits filled with water
-  Swamps
-  Diamond drill hole
-  Contours interval 10 feet
Elevations above sea level
-  Mine dumps

COEHILL AND JENKINS IRON ORE DEPOSITS
LOTS 15, 16, 17 AND 18, CON. VIII
TOWNSHIP OF WOLLASTON
HASTINGS COUNTY
ONTARIO

NO. 190A


Geology by
 E. Lindeman 1911

Scale 1/4" = 200' to 1 inch



MAGNETOMETRIC MAP


LEGEND

 *Isodynamic lines of the vertical magnetic intensity*


Positive Intensity

 *Magnetic attraction greater than 60°*

 *between 50° - 60°*

 *" 40° - 50°*

 *" 20° - 40°*

 *" 0° - 20°*

Negative Intensity

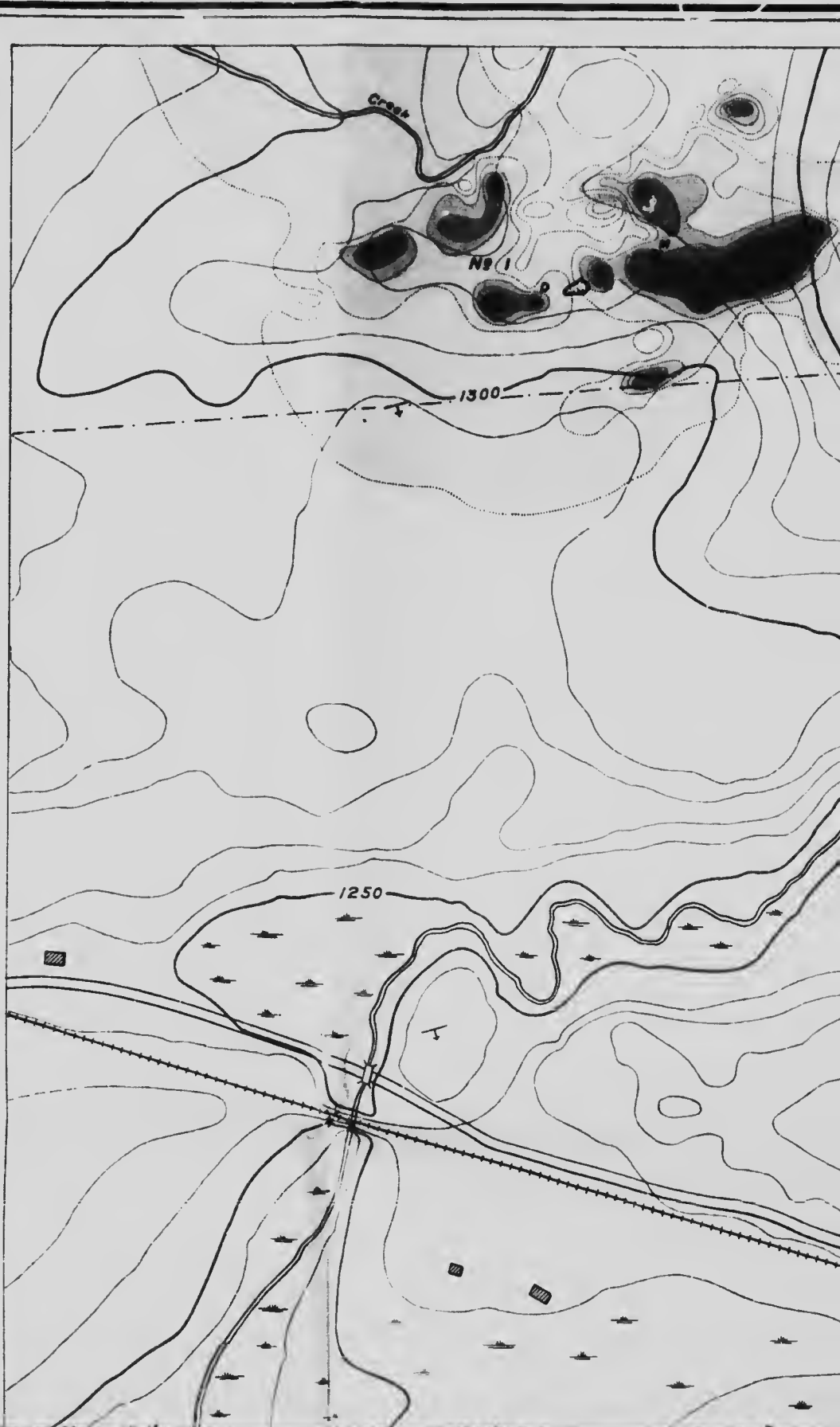
 *between 0° - -20°*

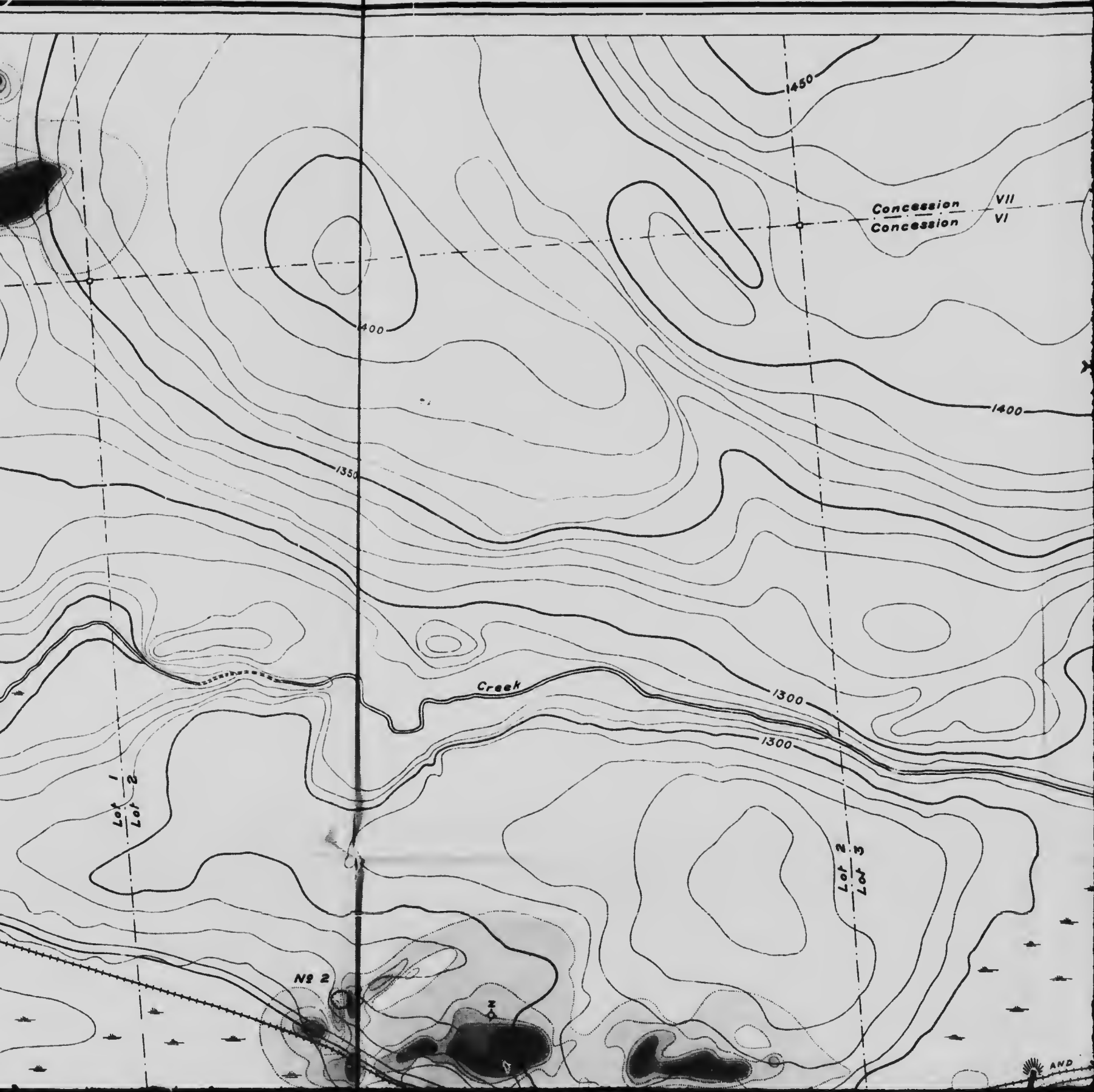
 *" 20° - -40°*

 *" -40° - 50°*

 *" 50° - -60°*

Constant of Instrument - 1.0 H





Concession VII
Concession VI

Creek

No 2

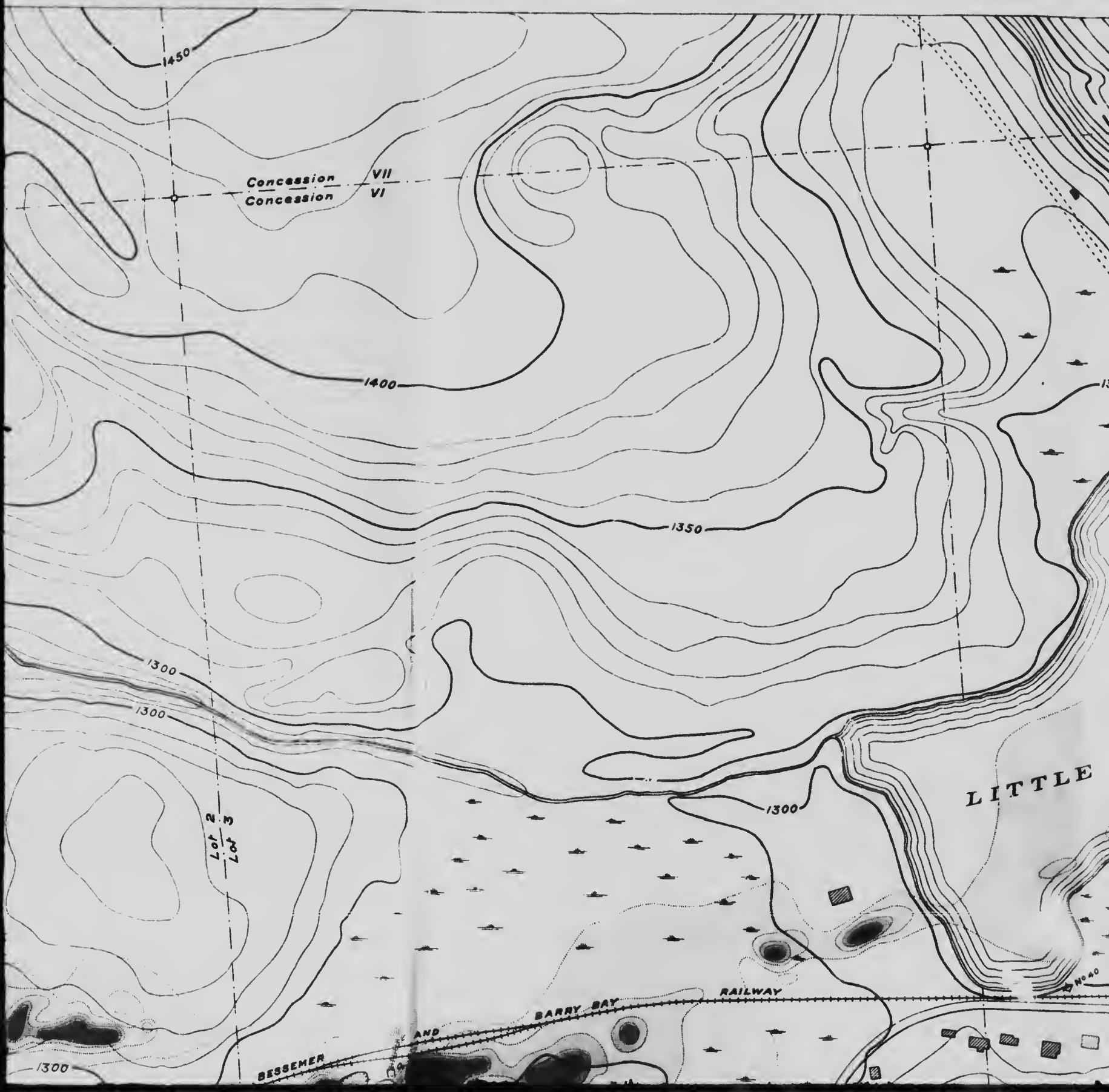
Lot 1
Lot 2

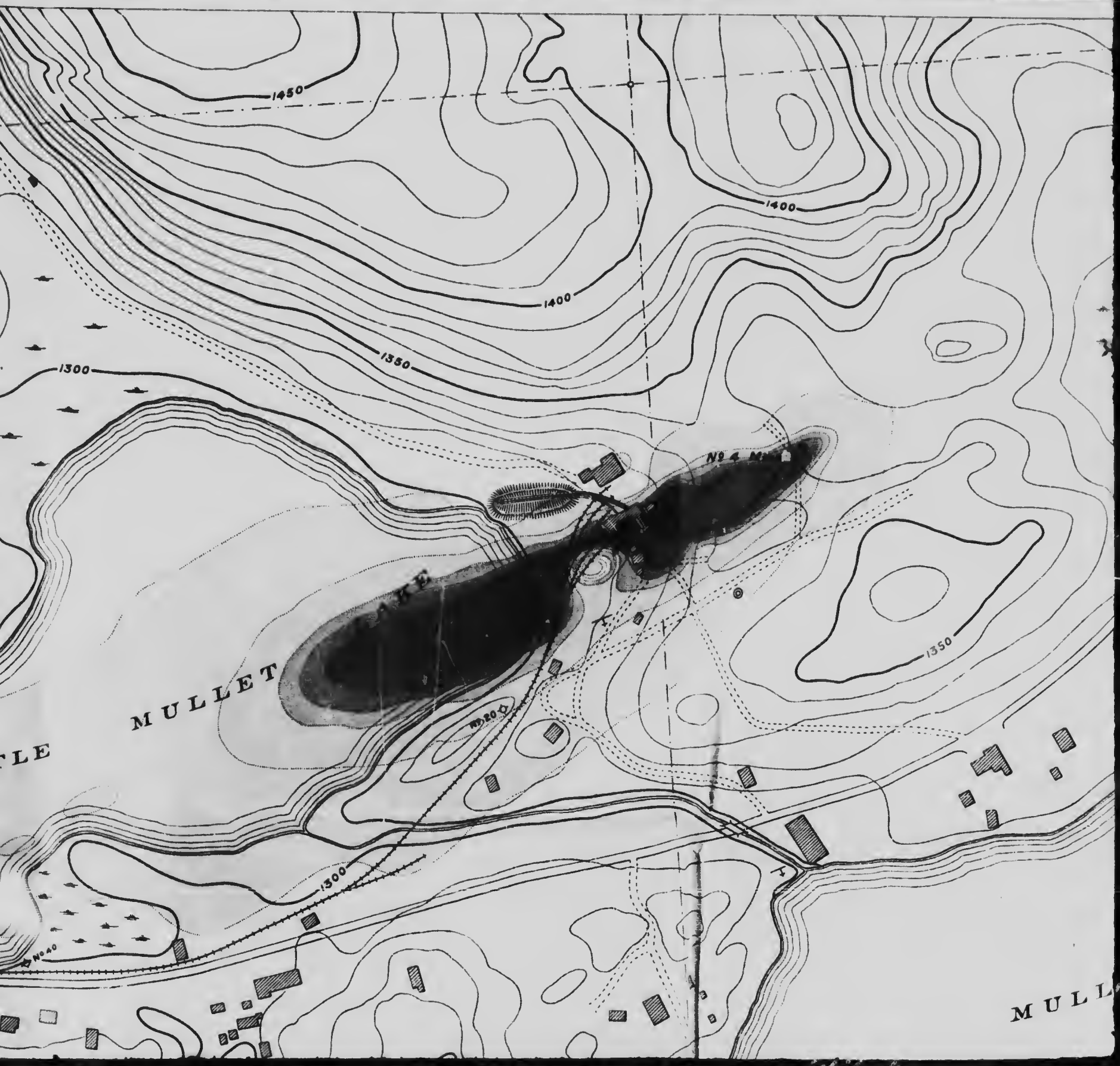
Lot 2
Lot 3

AND

Canada
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MINES BRANCH

HON. ROBERT ROGERS, MINISTER. A.P. LOW, LL.D., DEPUTY MINISTER
EUGENE HAANEL, PH.D., DIRECTOR

















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





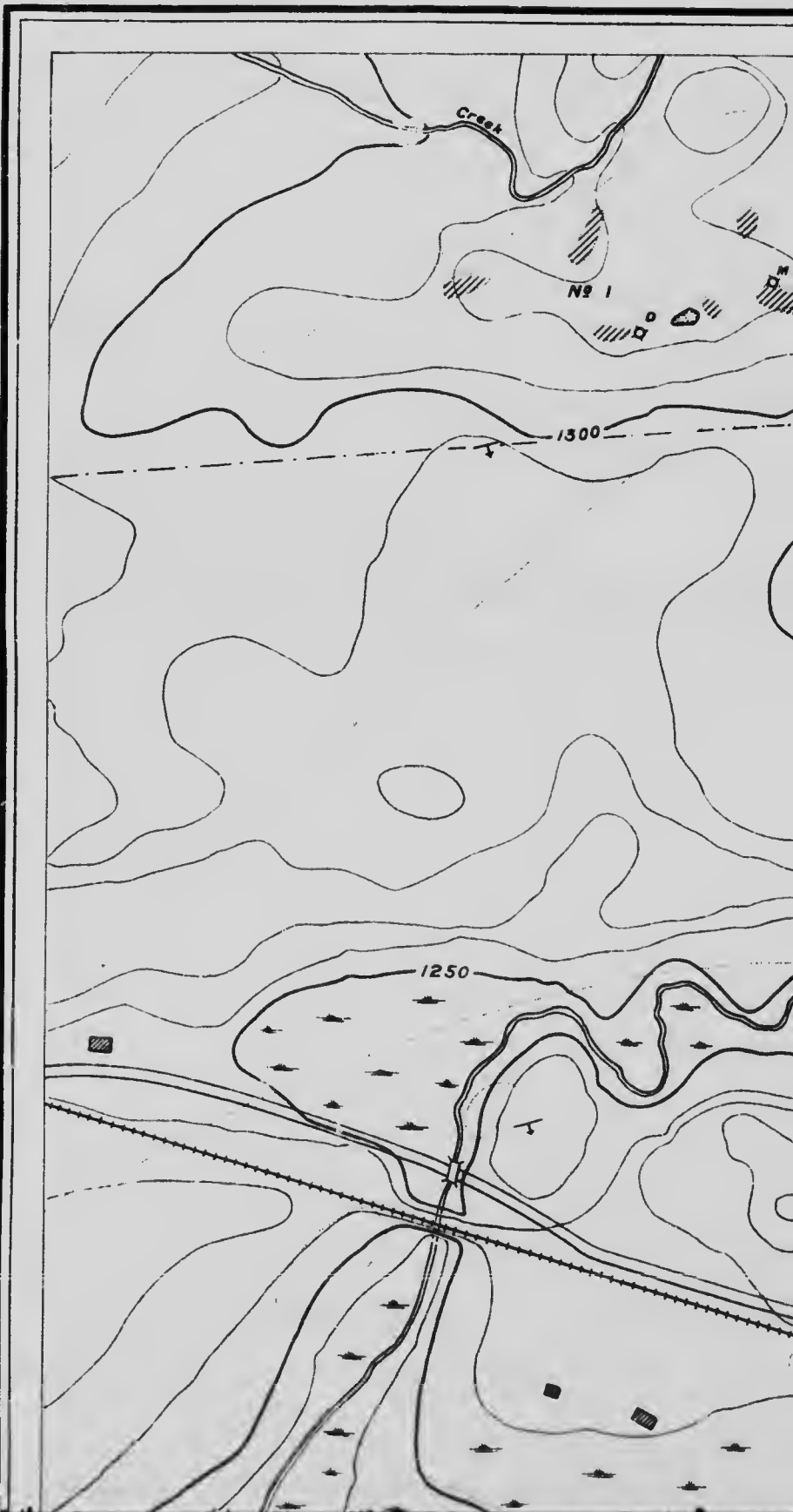
LEGEND

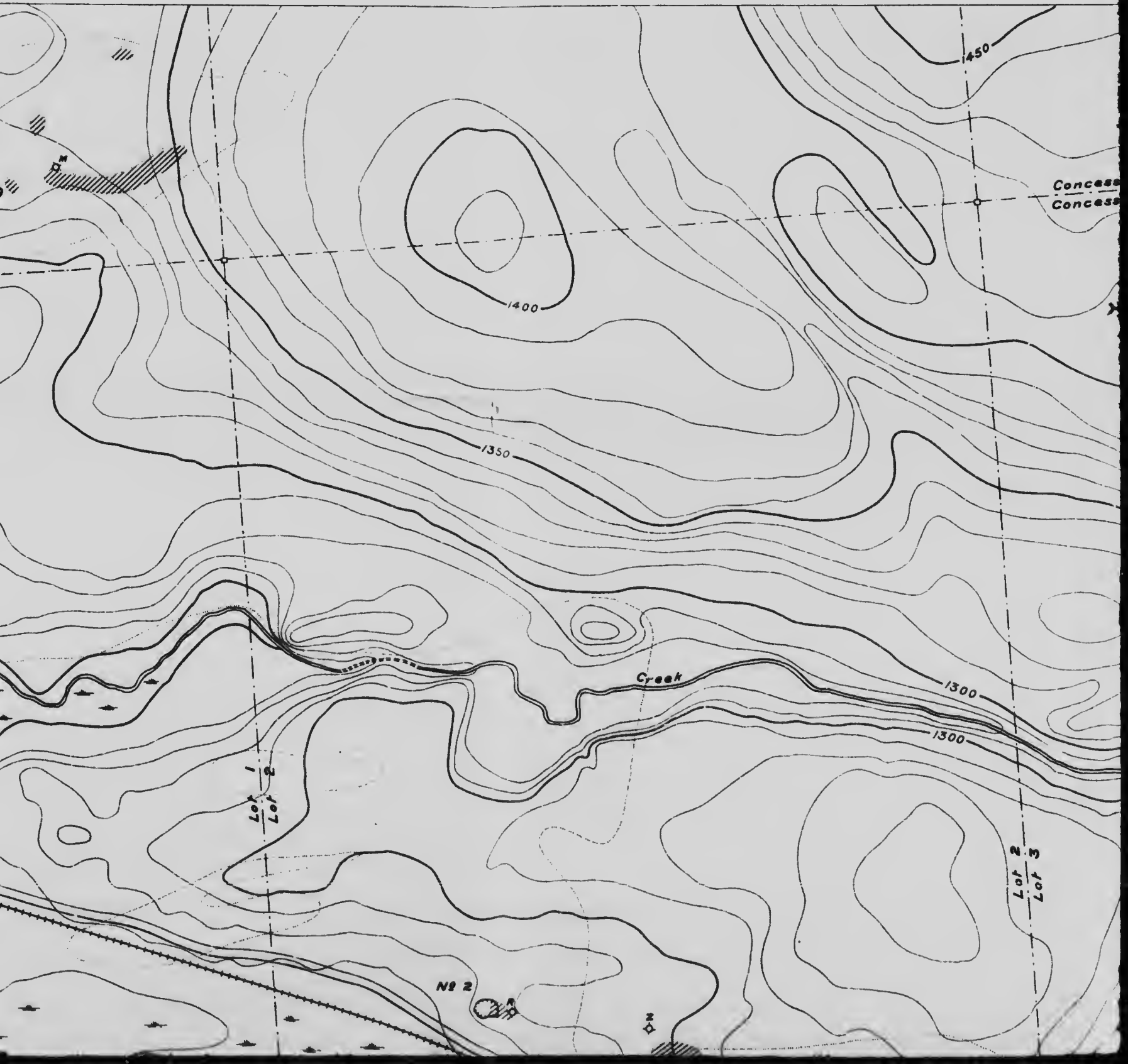
-  *Roads and buildings*
-  *Corner posts and Lot lines*
-  *Reference posts*
-  *Railways*
-  *Elevated tramway*
-  *Bridges*
-  *Diamond drill-hole*
-  *Open cuts and Test pits*
-  *Strippings*
-  *Swamps*
-  *Contours, interval 10 feet
Elevations above sea-level*
-  *Mine dumps*

GEOLOGICAL MAP

LEGEND

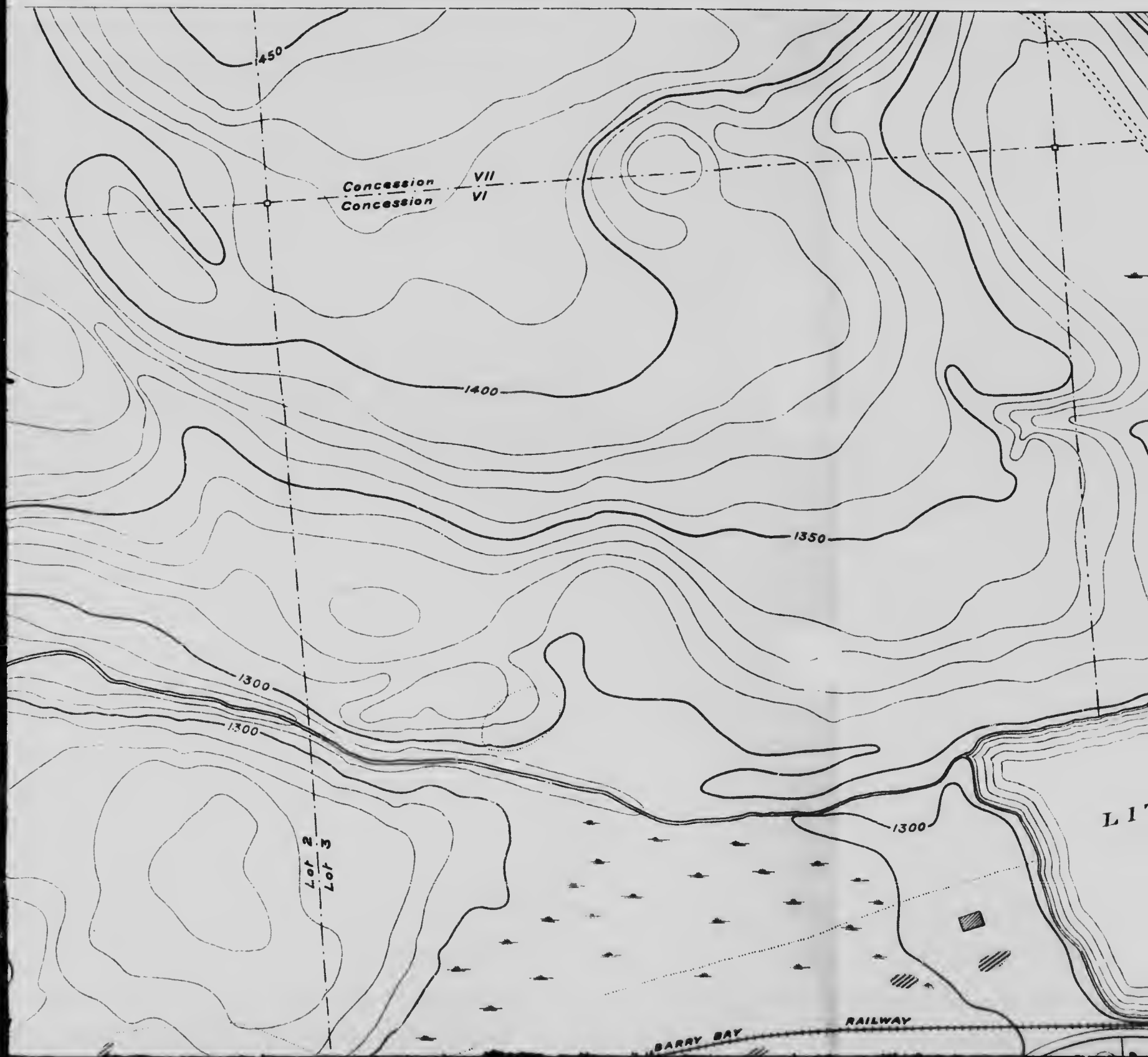
-  *Outcrop of Magnetite*
-  *Driftcovered area within which Magnetite is likely to occur, indicated by Magnetometric Survey*
-  *Crystalline limestone, schists (Archaean) and amphibolites*
-  *Granite and granitegneiss* "
-  *Strike and dip*

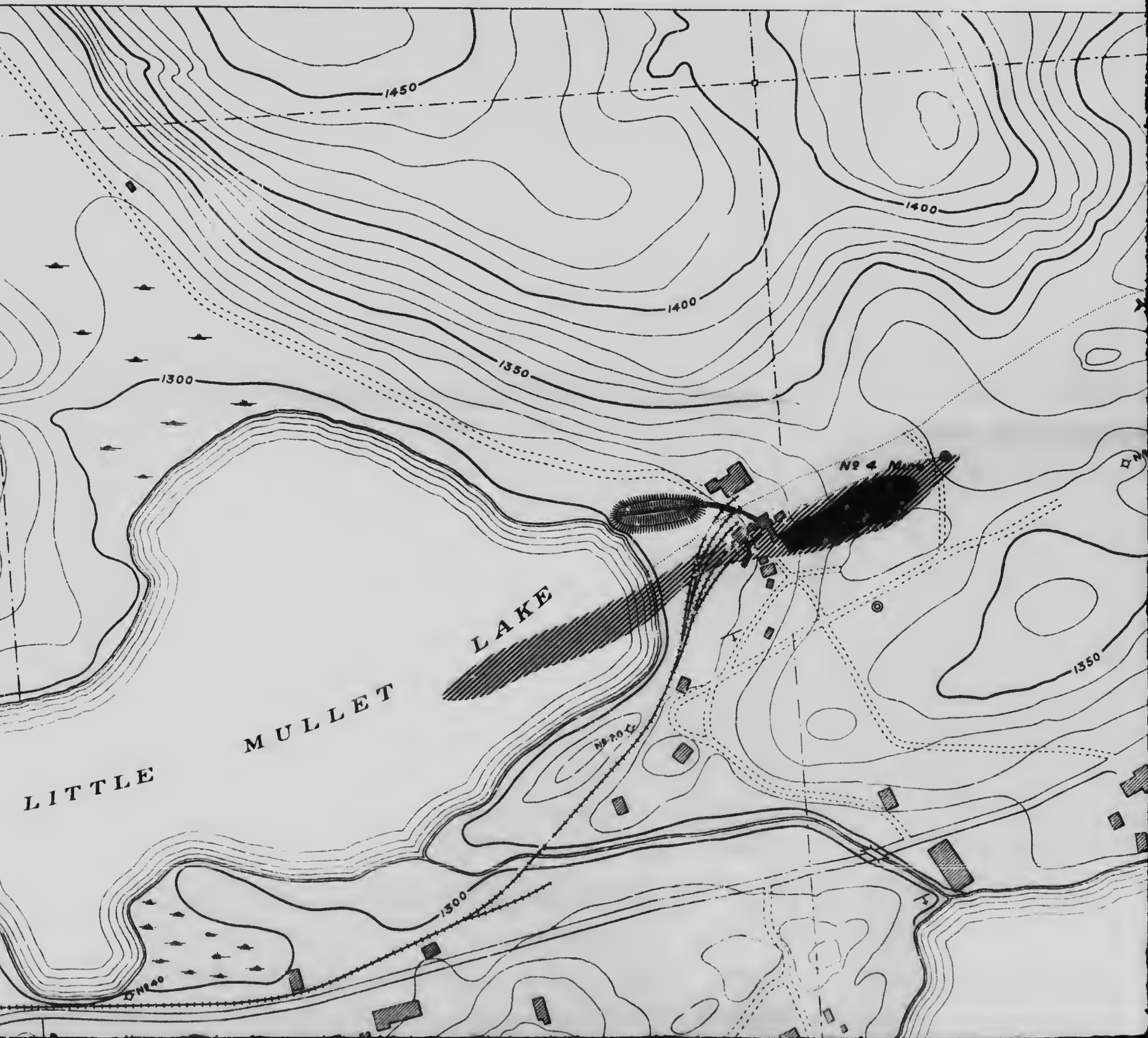


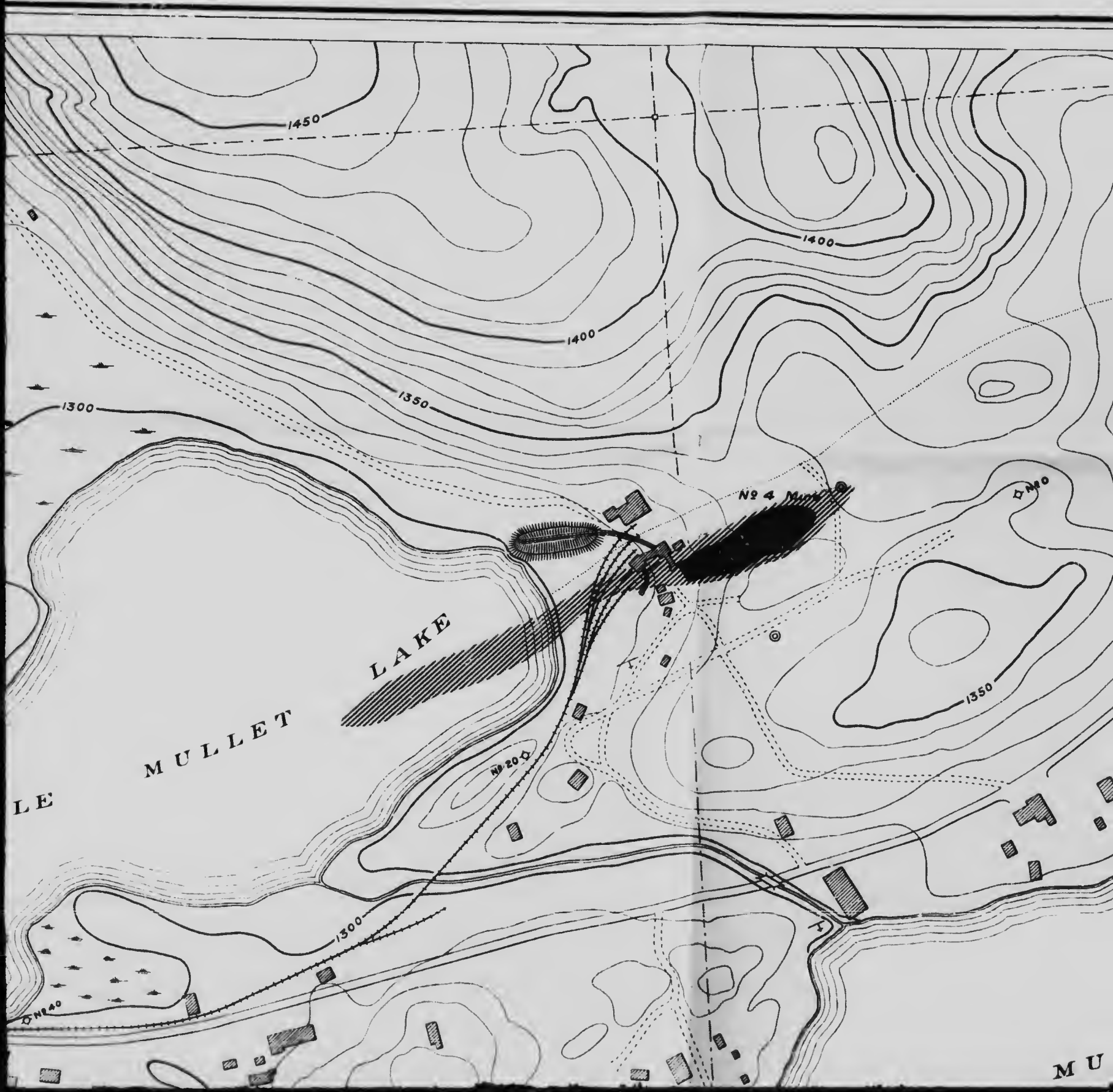


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DEPARTMENT OF MINES
MINES BRANCH

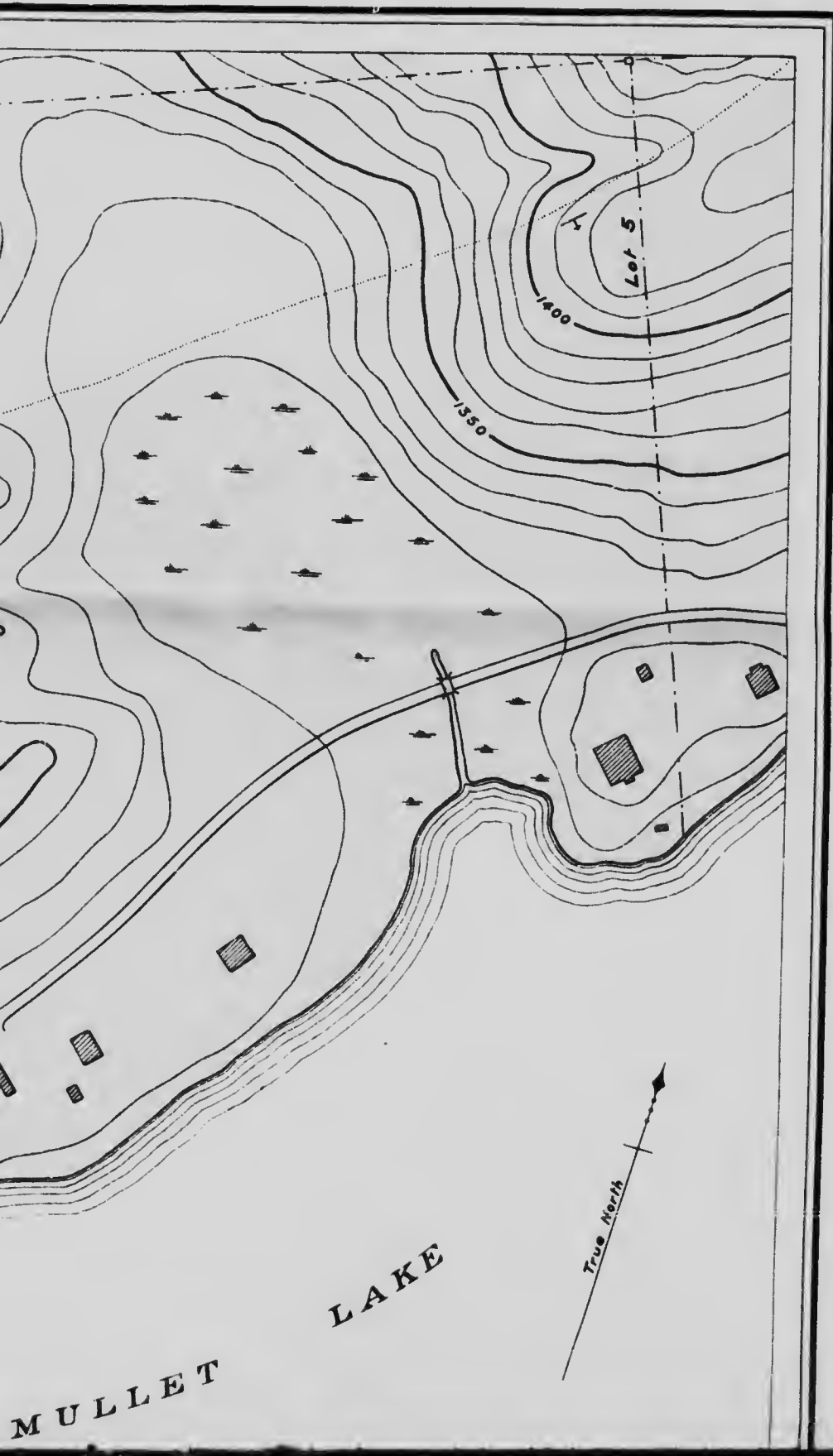
HON. ROBERT ROGERS, MINISTER: A.P. LOW, LL.D., DEPUTY MINISTER
EUGENE HAANEL, PH.D., DIRECTOR



















M U

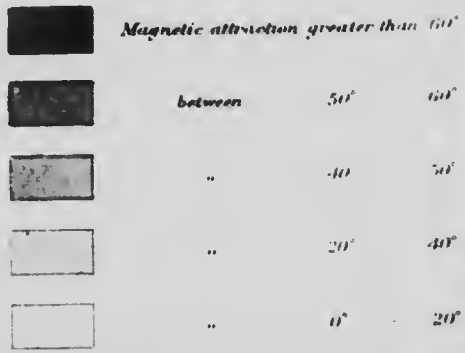


LEGEND

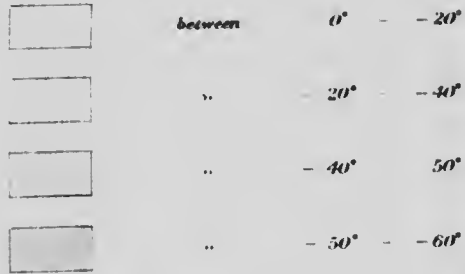
-  Roads and buildings
-  Corner posts and Lot lines
-  Reference posts
-  Railways
-  Elevated trestle
-  Bridges
-  Diamond drill hole
-  Open cuts and test pits
-  Strippings
-  Streams
-  Swamps
-  Contours interval 10 feet

Isomagnetic lines of the vertical magnetic intensity

Positive Intensity



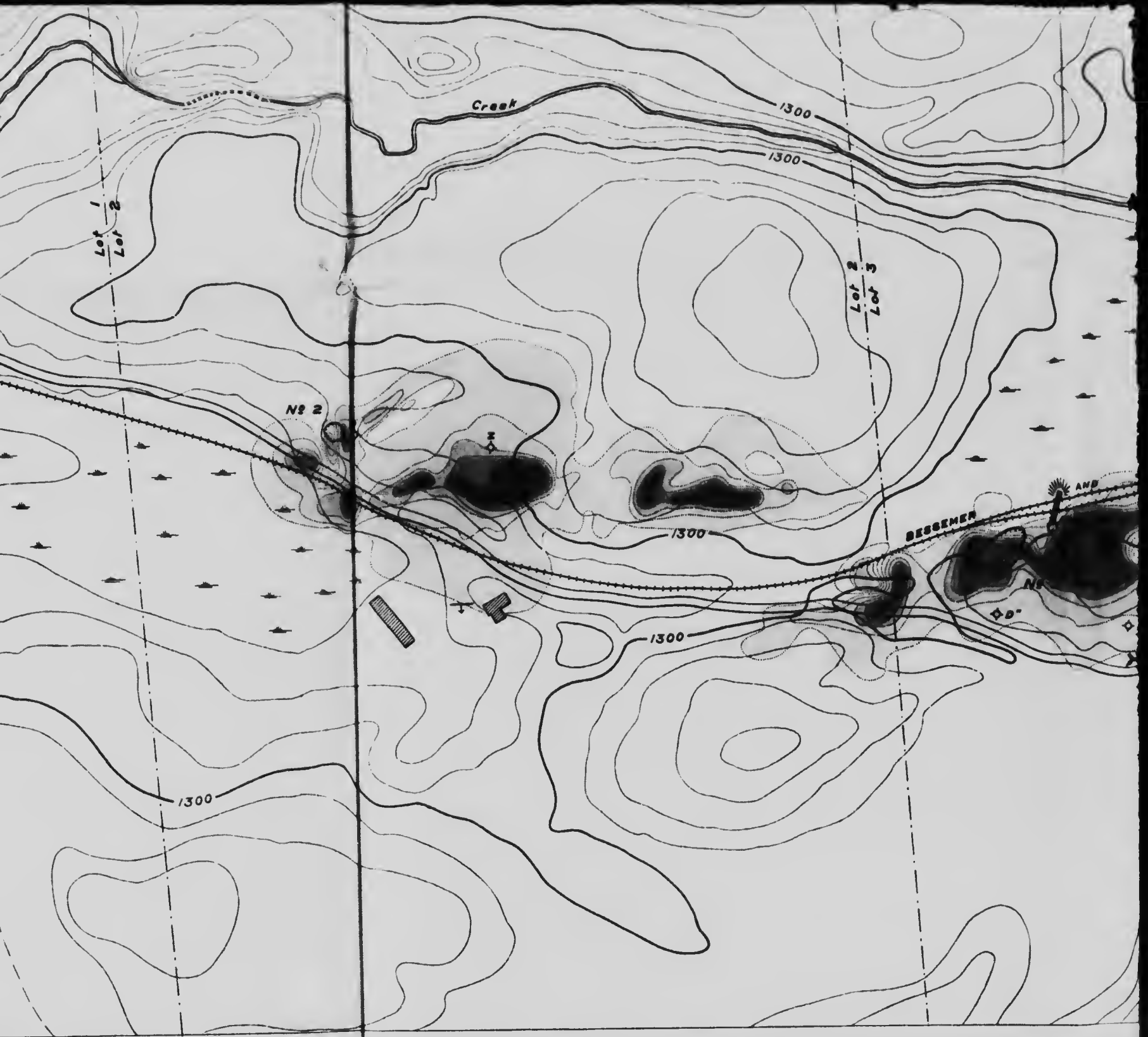
Negative Intensity



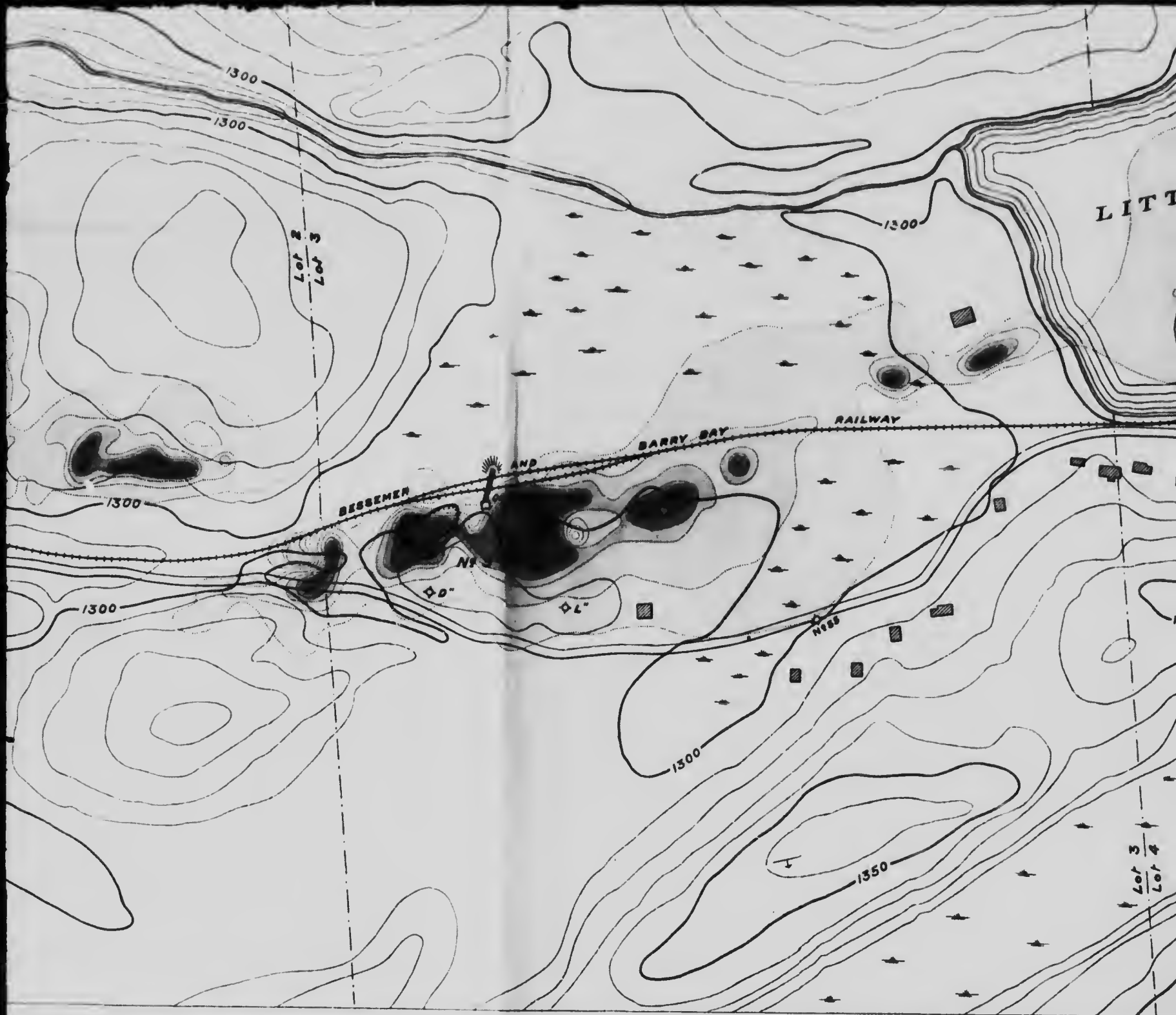
Constant of Instrument = 1.0 H
Magnetic declination about 11° West



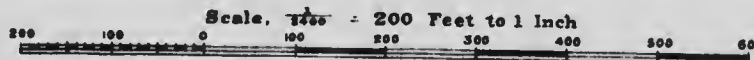
H. E. Baine, Chief Draughtsman
L. H. S. Pereira, Draughtsman



IRON
LOT



IRON ORE DEPOSITS AT BESSEMER
LOT 1, CON. VII, 2, 3, 4 AND 5, CON. VI
TOWNSHIP OF MAYO
HASTINGS COUNTY
ONTARIO

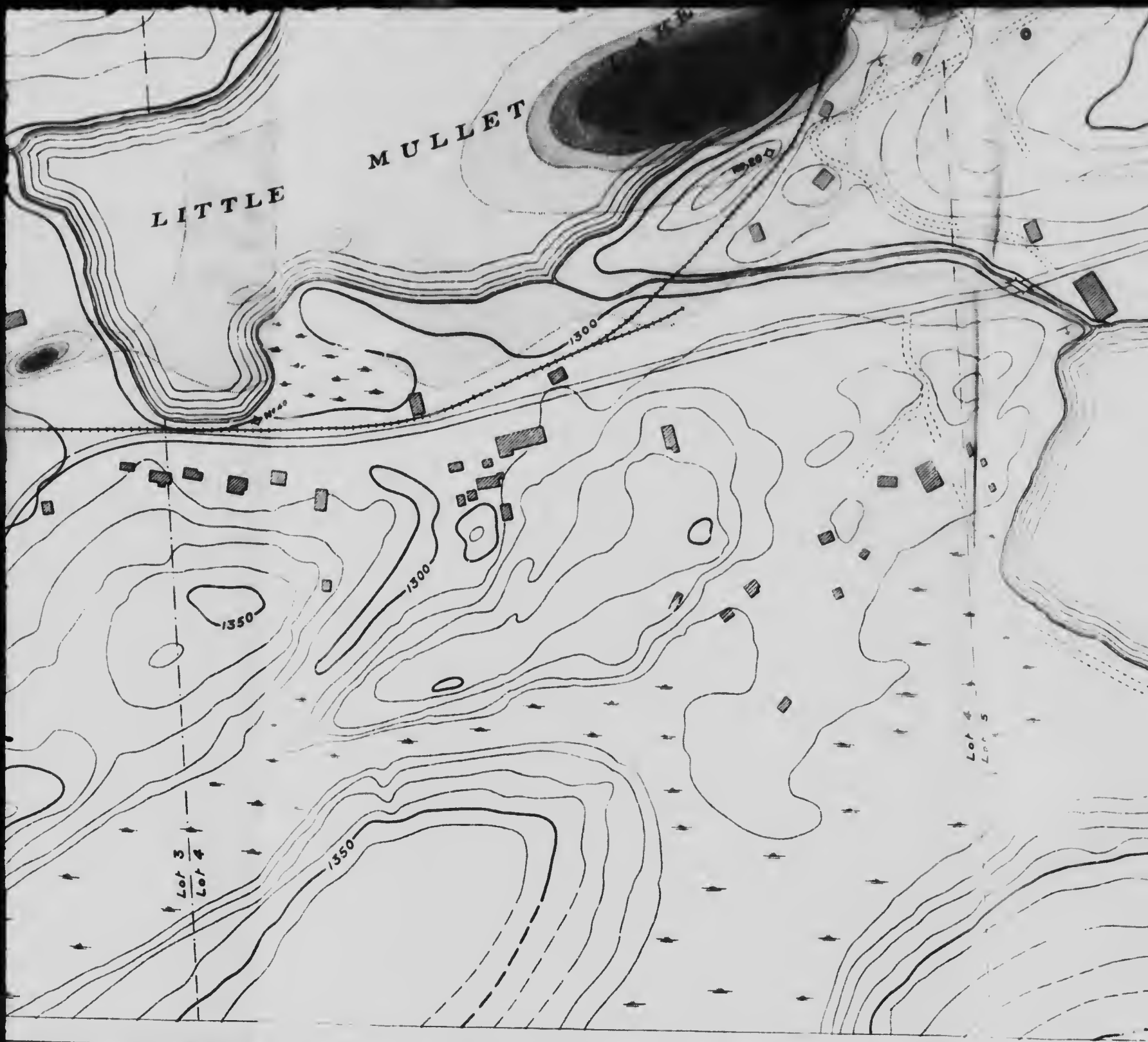




MER

I

Magnetometric Survey
H. Fréchet - 1908
E. Lindeman - 1911
Topography
E. Lindeman 1911
Assisted by W. M. Morrison














BESSEMER
 S, CON. VI
 YO

Monometric Survey
 Belle - 1908
 Loman - 1911
 Topography
 E. Penteman 1911
 Assisted by W. M. Morrison





-  Survey points and Lat lines
-  Reference points
-  Railways
-  Elevated tracks
-  Bridges
-  Diamond drill hole
-  Open cuts and Test pits
-  Strippings
-  Swamps
-  Contours, interval 10 feet
Elevations above sea level
-  Mine dumps

Outcrop of Magnetite



Drift-covered area within which Magnetite is likely to occur, indicated by Magnetometric Survey



Crystalline limestone, schists (Archaean) and amphibolites



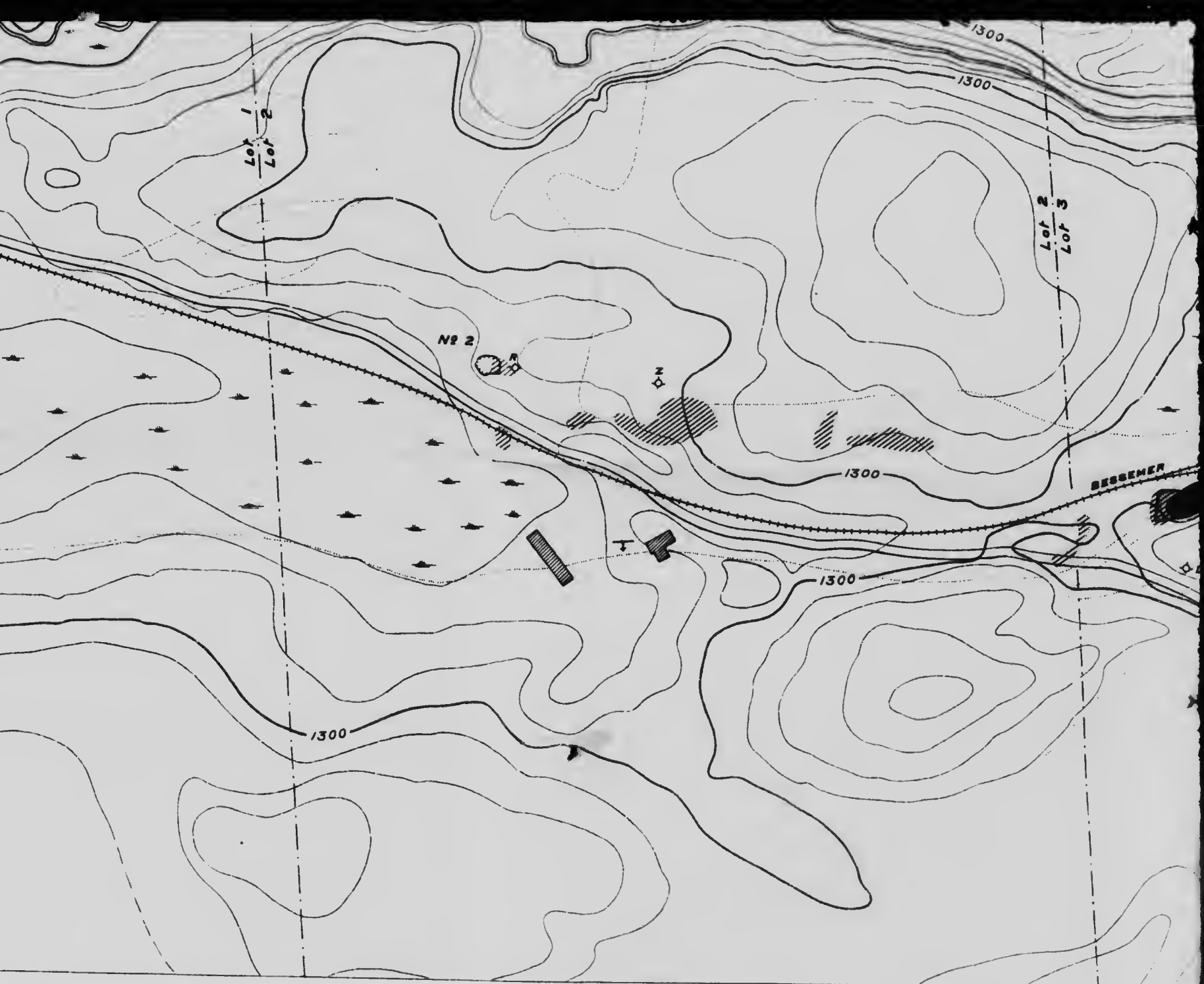
Granite and granite gneiss ..



Strike and dip

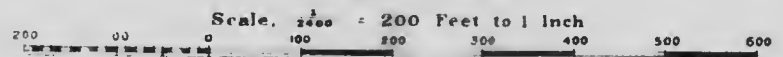


*H. E. Baine, Chief Draughtsman
L. H. S. Pereira, Draughtsman*





IRON ORE DEPOSITS AT BESSEMER
LOT 1, CON. VII, 2, 3, 4 AND 5, CON. VIII
TOWNSHIP OF MAYO
HASTINGS COUNTY
ONTARIO





ESSEMER
ON. VI

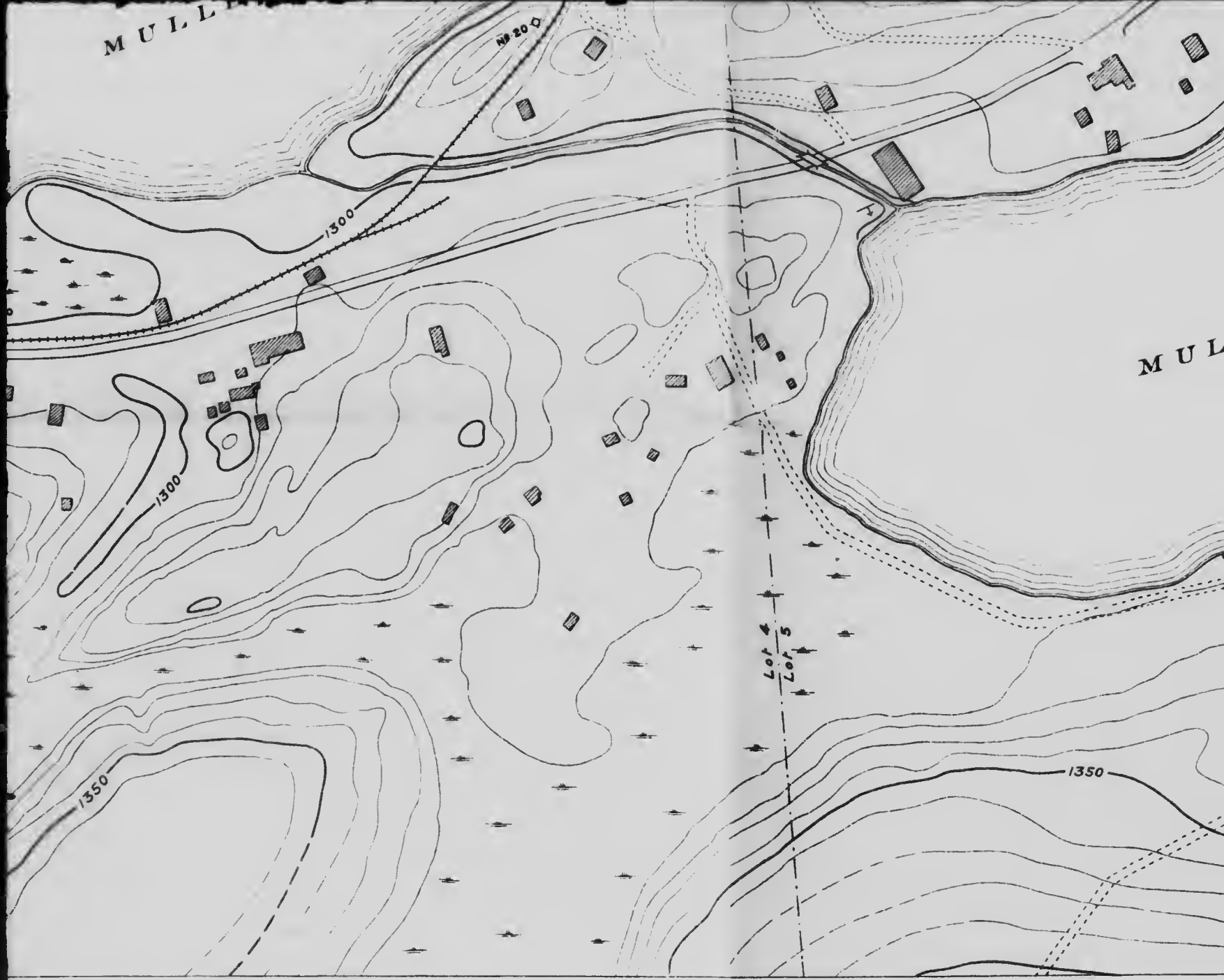
Geology by
E. Landemon 191

600

MULL

N 20 °









MUL



191

Geology by
E. Lindeman 1911



-  Bridges
-  Diamond drill hole
-  Open cuts and test pits
-  Strippings
-  Streams
-  Swamps
-  Contours, interval 10 feet
Elevations above sea level
-  Mine dumps

NO. 191A










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MINES BRANCH

HON. ROBERT ROGERS, MINISTER: A.P. LOW, LL.D., DEPUTY MINISTER
 EUGENE HAANEL, PH.D., DIRECTOR

MAGNETOMETRIC MAP



LEGEND







-  Isodynamic lines of the vertical magnetic intensity
- Positive Intensity**
-  Magnetic attraction greater than 60°
-  between 50° - 60°
-  " 40° - 50°
-  " 20° - 40°
-  " 0° - 20°
- Negative Intensity**
-  between 0° - 20°

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MINES BRANCH

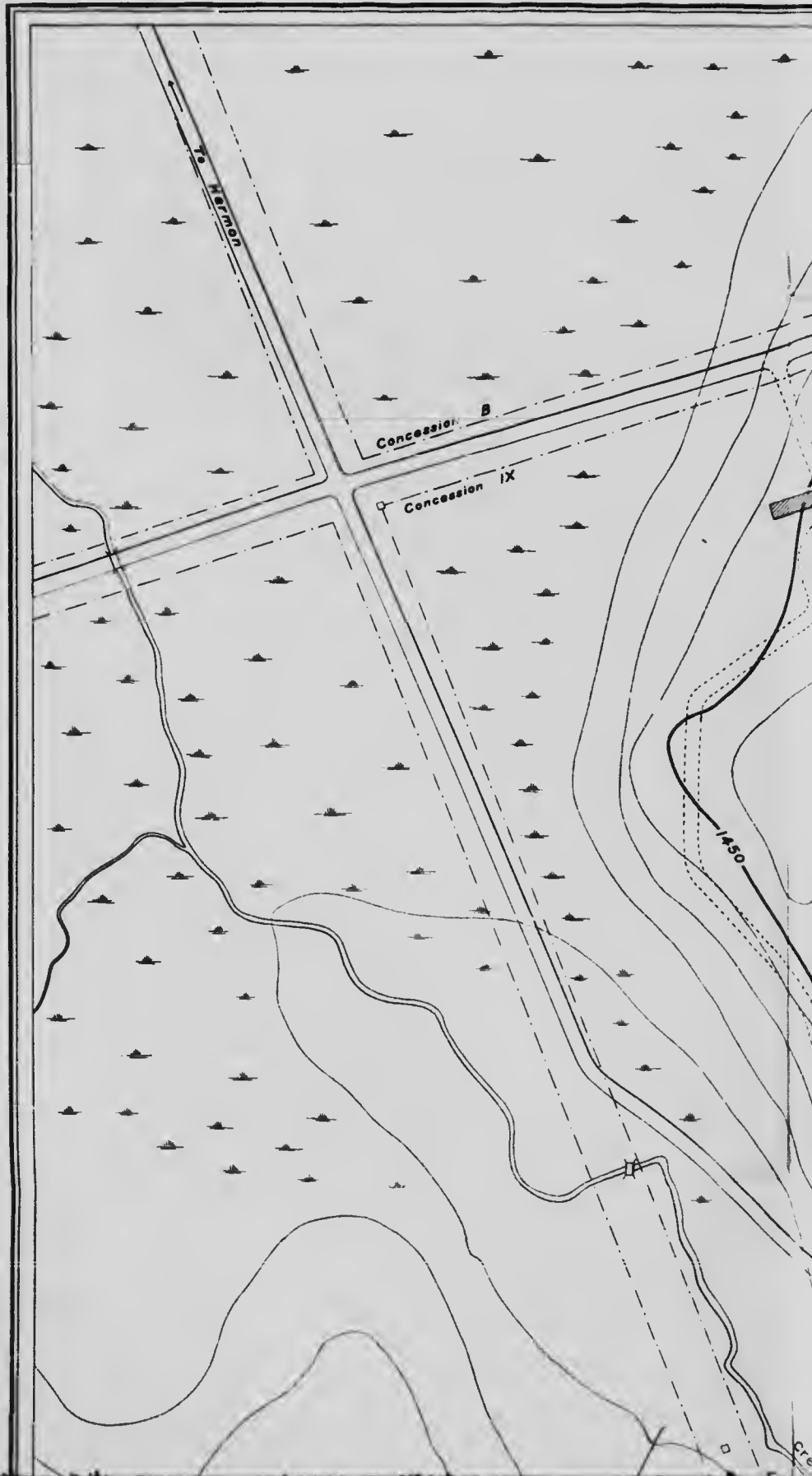
HON. ROBERT ROGERS, MINISTER: A.P. LOW, LL.D., DEPUTY MINISTER
 E. E. HAANEL, PH.D., DIRECTOR









LEGEND

-  Roads and buildings
-  Corner posts and Lot lines
-  Reference posts
-  Bridges
-  Shafts
-  Open cuts and Test pits

GEOLOGICAL MAP

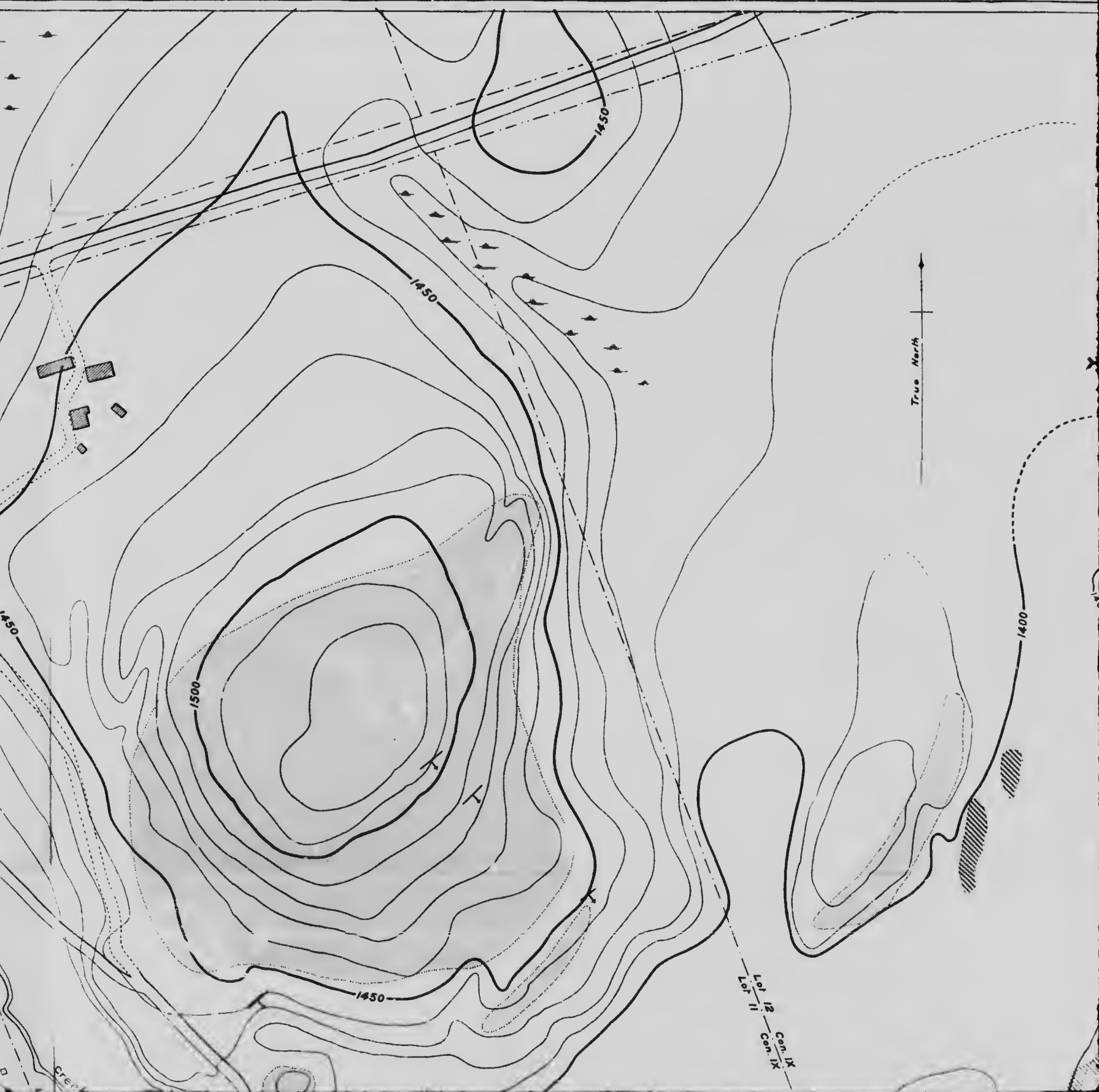


LEGEND

-  *Driftcovered area*
-  *Outcrop of Magnetite*
-  *Driftcovered area within which Magnetite is likely to occur, indicated by Magnetometric Survey*
-  *Crystalline limestone Schists (Archean) and amphibolites*
-  *Granite and granitegneiss* "
-  *Strike and dip*

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DEPARTMENT OF MINES
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HON. ROBERT ROGERS, MINISTER; A.P. LOW, LL.D., DEPUTY MINISTER
EUGENE HAANEL, PH.D., DIRECTOR











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DEPARTMENT OF MINES
MINES BRANCH

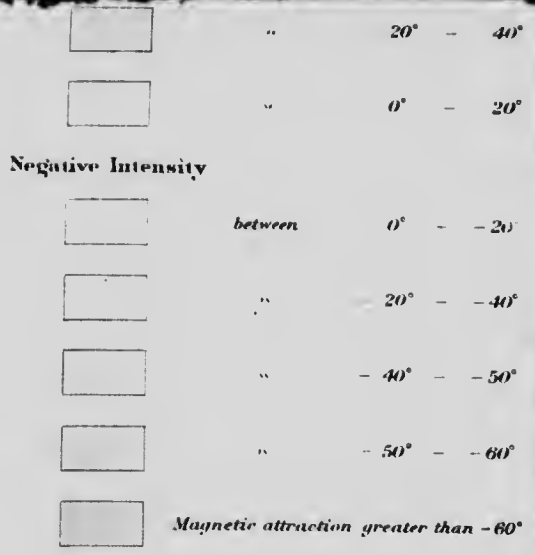
HON. ROBERT ROGERS, MINIST A.P. LOW, LL.D., DEPUTY MINISTER
EUGENE HAANEL, PH.D., DIRECTOR





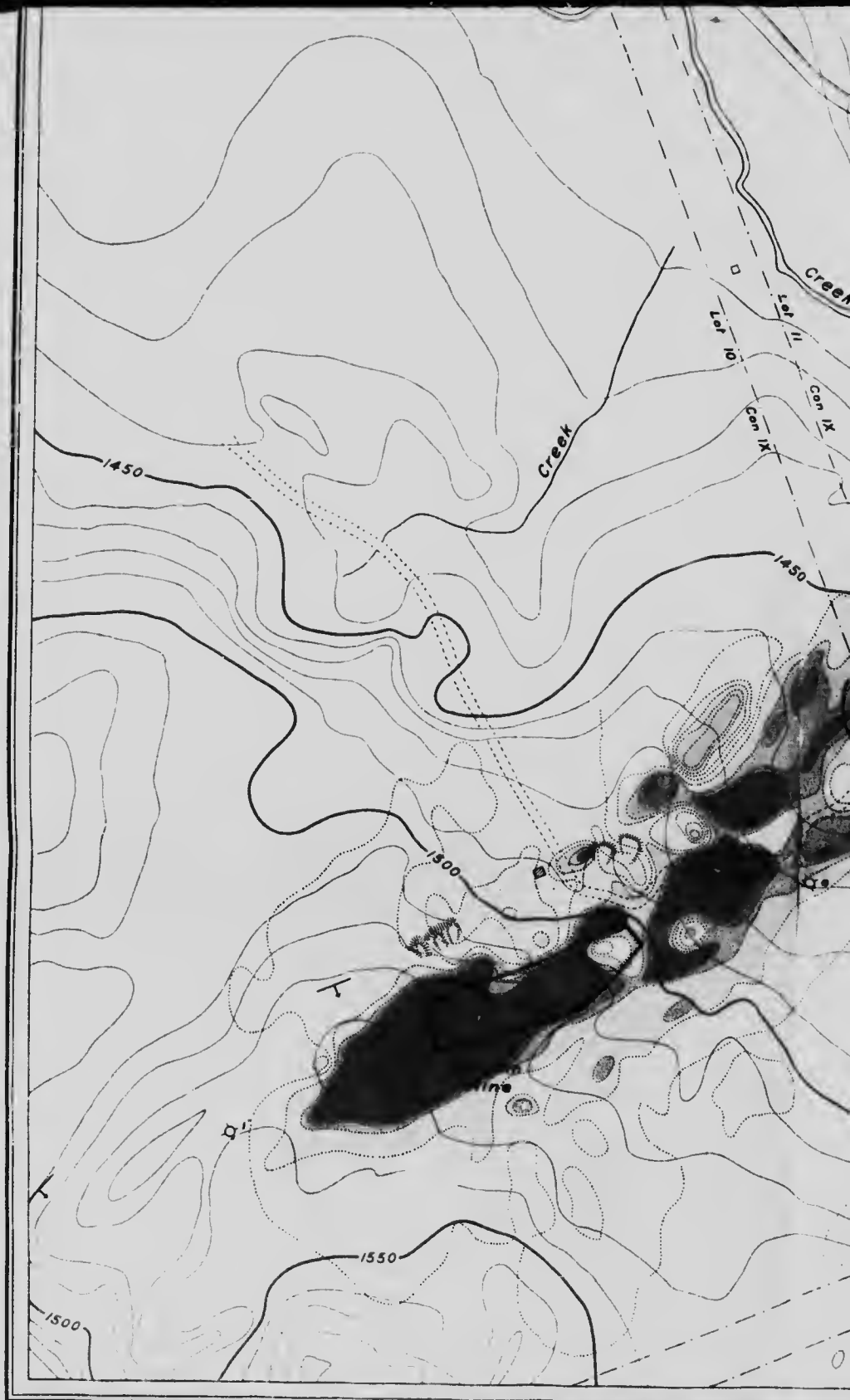
LEGEND

-  Roads and buildings
-  Corner posts and Lot lines
-  Reference posts
-  Bridges
-  Shafts
-  Open cuts and Test pits
-  Strippings
-  Swamps

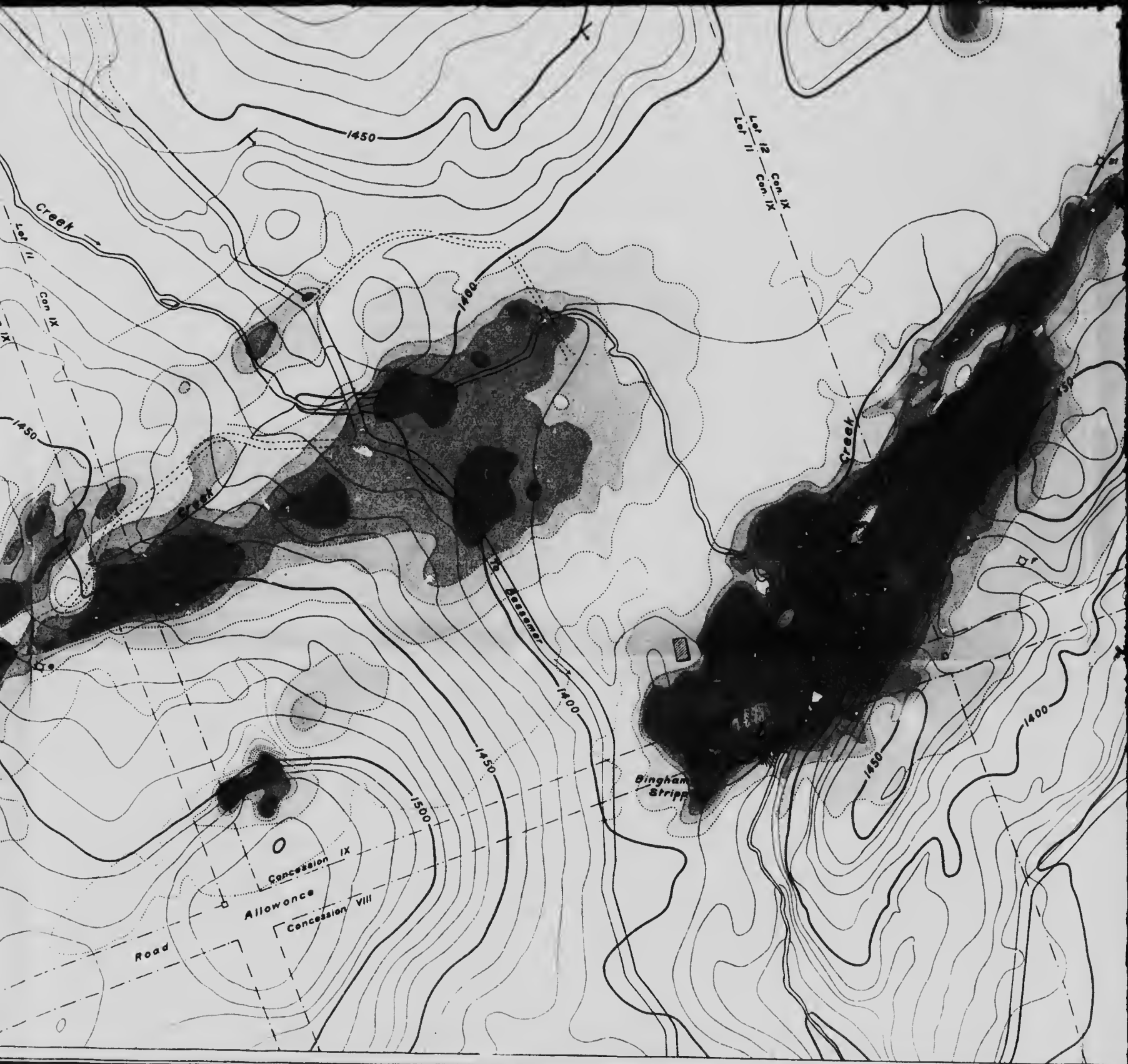


Constant of Instrument - 1.0 H

Magnetic declination about 11° West



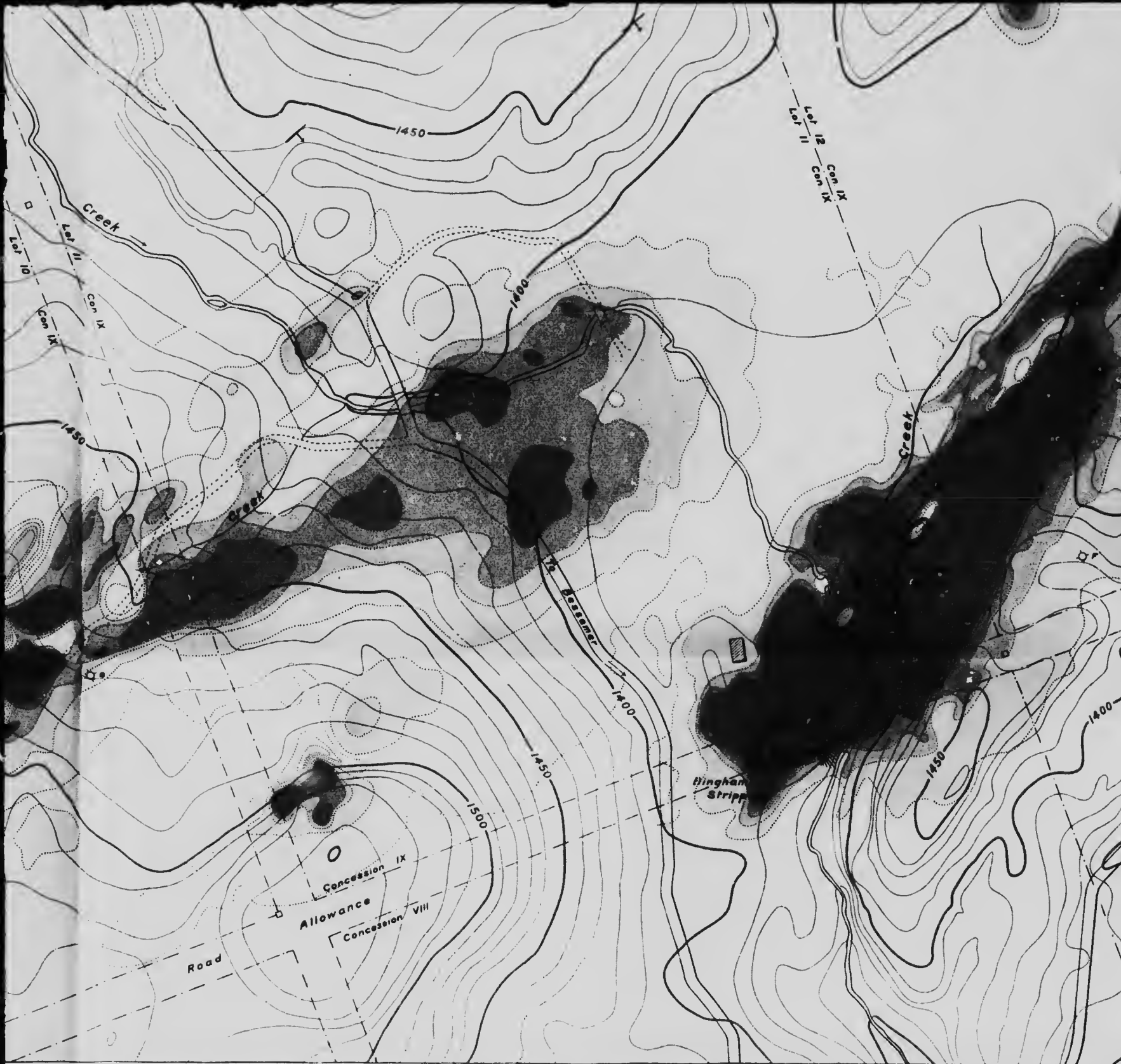
H. E. Baine, Chief Draughtsman
L. H. S. Pereira, Draughtsman



RANKIN, CHILDS AND STEPHENS IRON ORE DEPOSITS
LOTS 10, 11, 12 AND 13, CON. IX
TOWNSHIP OF MAYO
HASTINGS COUNTY
ONTARIO

Scale 800 - 200' to 1 Inch

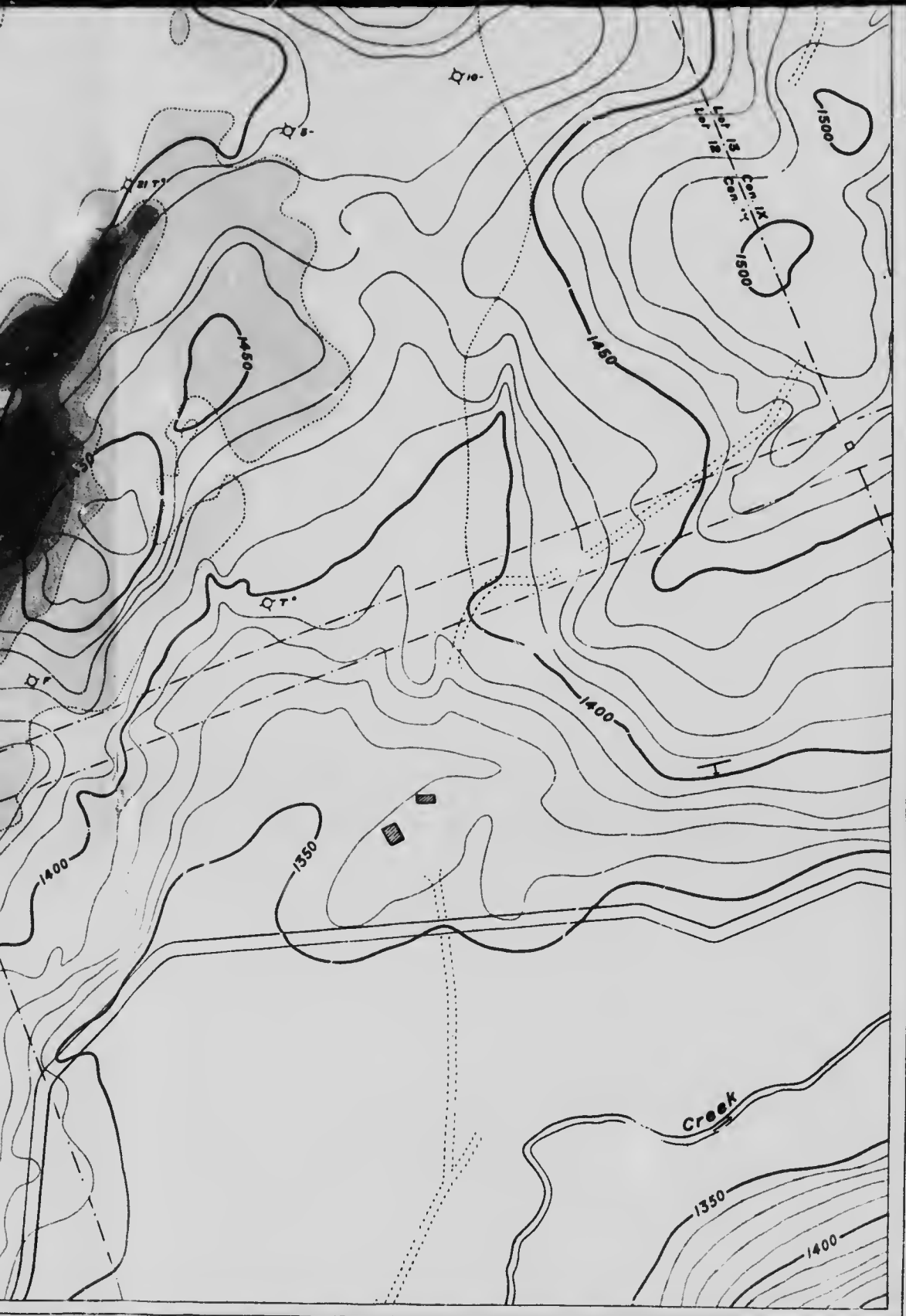











RANKIN, CHILDS AND STEPHENS IRON ORE DEPOSITS
LOTS 10, 11, 12 AND 13, CON. IX
TOWNSHIP OF MAYO
HASTINGS COUNTY
ONTARIO

Scale 200' to 1 Inch





-  Bridges
-  Shafts
-  Open cuts and Test pits
-  Strippings
-  Swamps
-  Contours interval 10 feet
Elevations above sea-level
-  Mine dumps

Surveyed by
 H. Fréchette - 1908
 E. Lindeman - 1911
 Assisted by W. M. Morrison
 O. G. Gallaher

NO. 192



Drift-covered area within which
Magnetite is likely to occur, indicated
by Magnetometric Survey



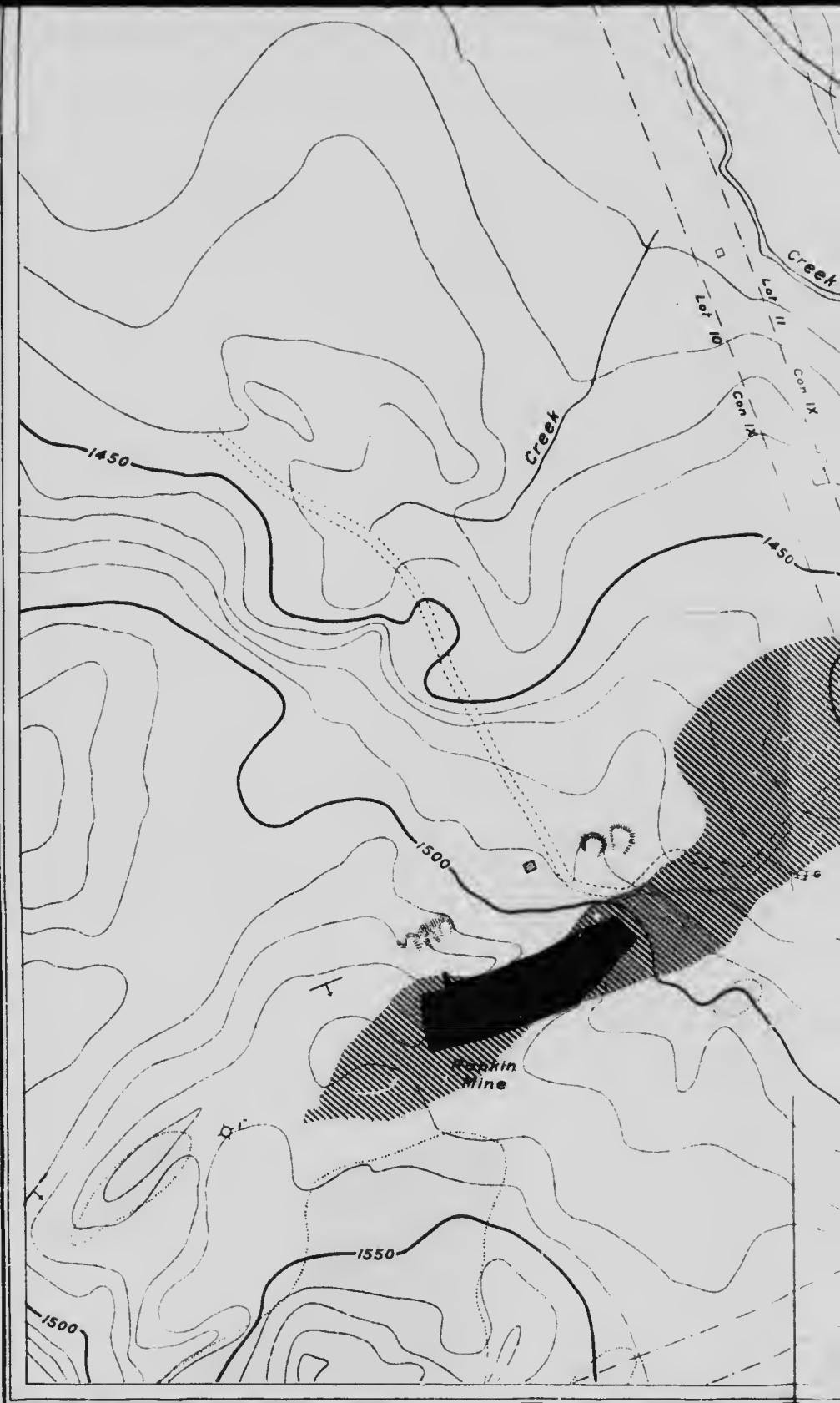
Crystalline limestone Schists (Archean)
and amphibolites



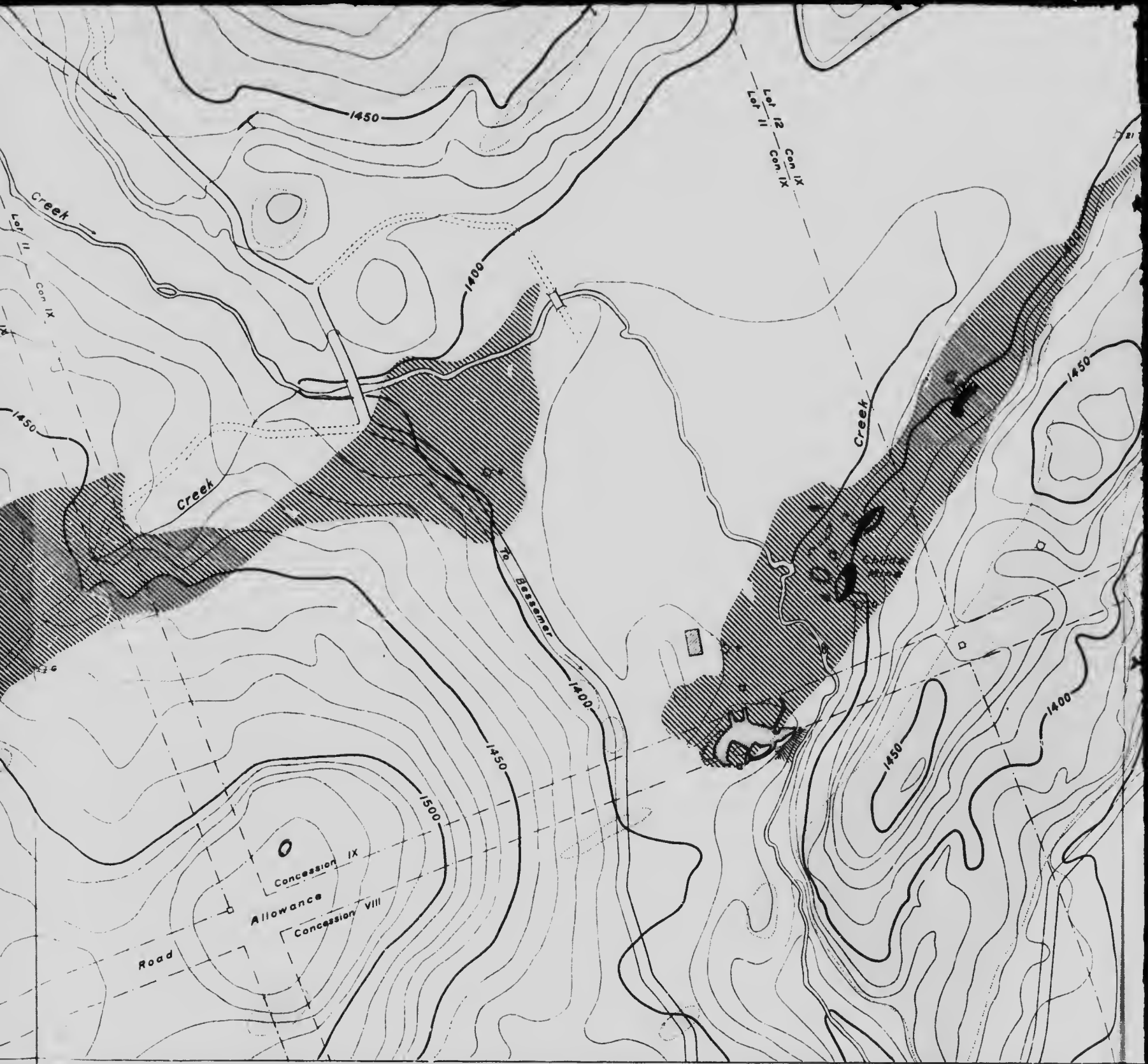
Granite and granitogneiss "



Strike and dip



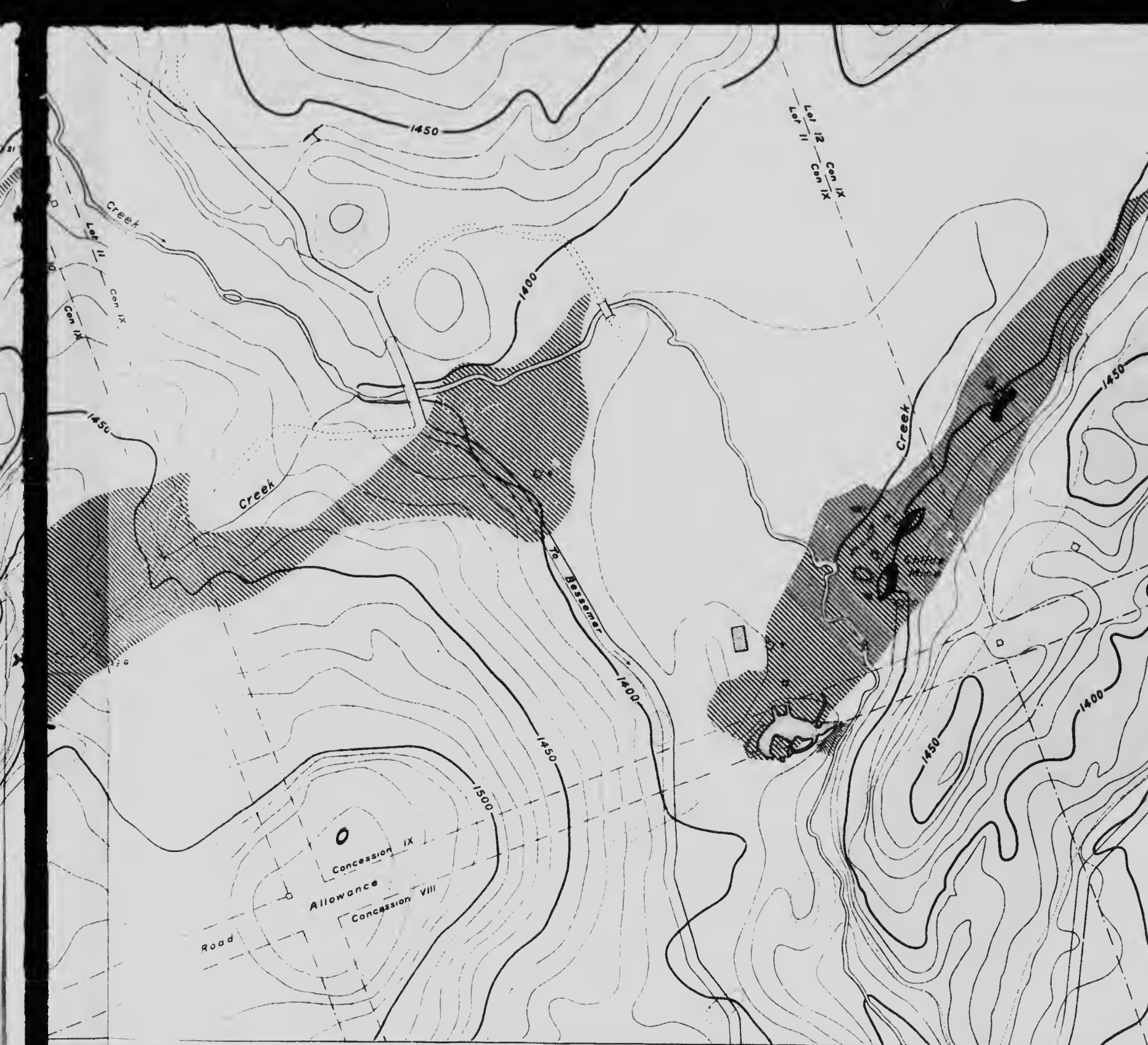
H. E. Baine, Chief Draughtsman
L. H. S. Pereira, Draughtsman



RANKIN, CHILDS AND STEPHENS IRON ORE DEPOSITS
LOTS 10, 11, 12 AND 13, CON. IX.
TOWNSHIP OF MAYO
HASTINGS COUNTY
ONTARIO

Scale 200' to 1 inch












RANKIN, CHILDS AND STEPHENS IRON ORE DEPOSITS
LOTS 10, 11, 12 AND 13, CON. IX
TOWNSHIP OF MAYO
HASTINGS COUNTY
ONTARIO

Scale 160 - 200' to 1 Inch



-  Bridges
-  Shafts
-  Open cuts and Test pits
-  Strippings
-  Swamps
-  Contours, interval 10 feet
Elevations above sea-level
-  Mine dumps

Geology by
E. Lindeman 1911

NO. 192 A

MAGNETOMETRIC MAP



LEGEND

Isodynamic lines of the vertical magnetic intensity

Positive Intensity



Magnetic intensity greater than 60



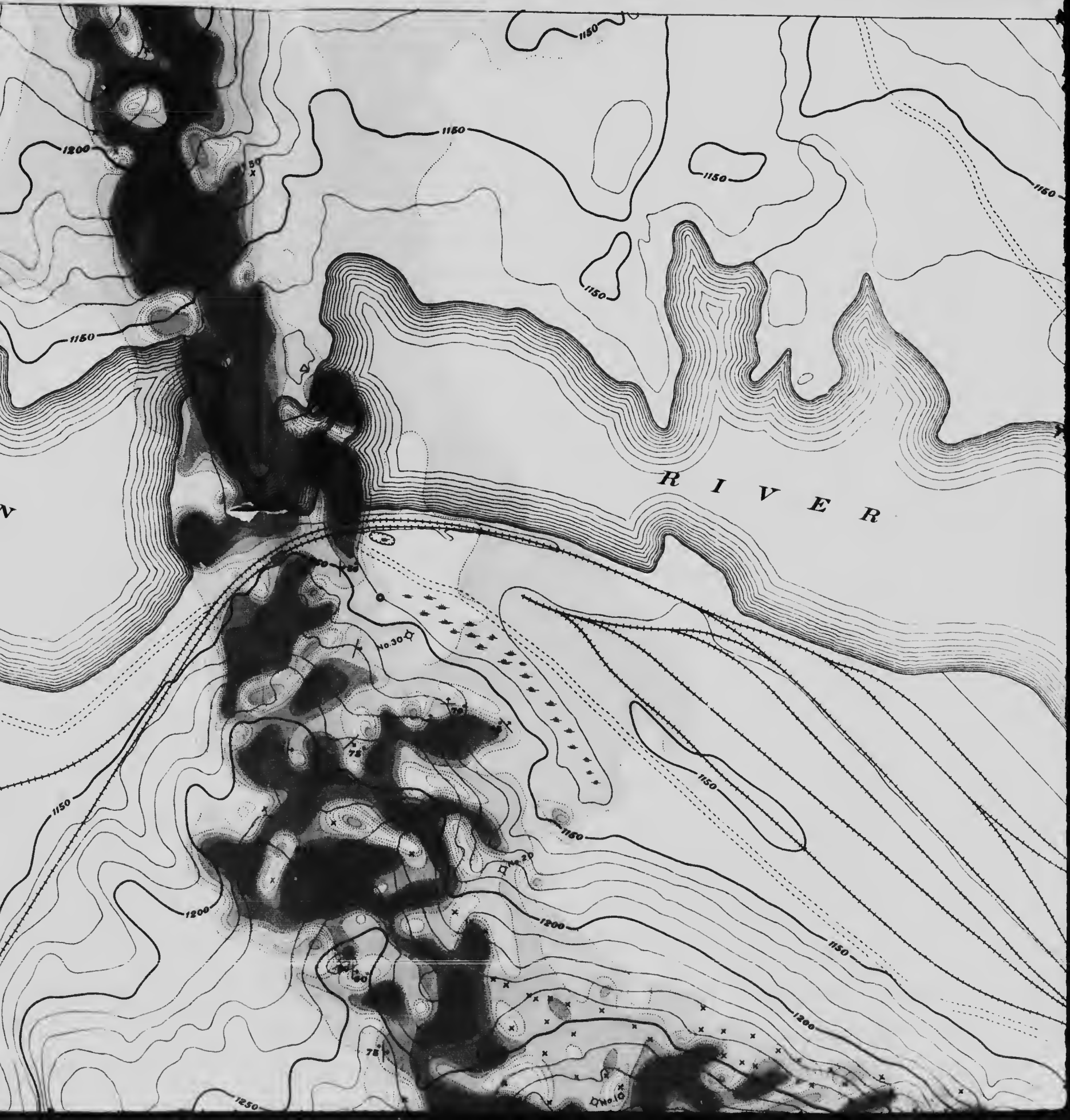
between 50 60

CANADA
DEPARTMENT OF MINES
MINES BRANCH

HON. LOUIS CODERRE, MINISTER; A. P. LOW, LL.D., DEPUTY MINISTER
EUGENE HAANEL, Ph.D., DIRECTOR.

1913

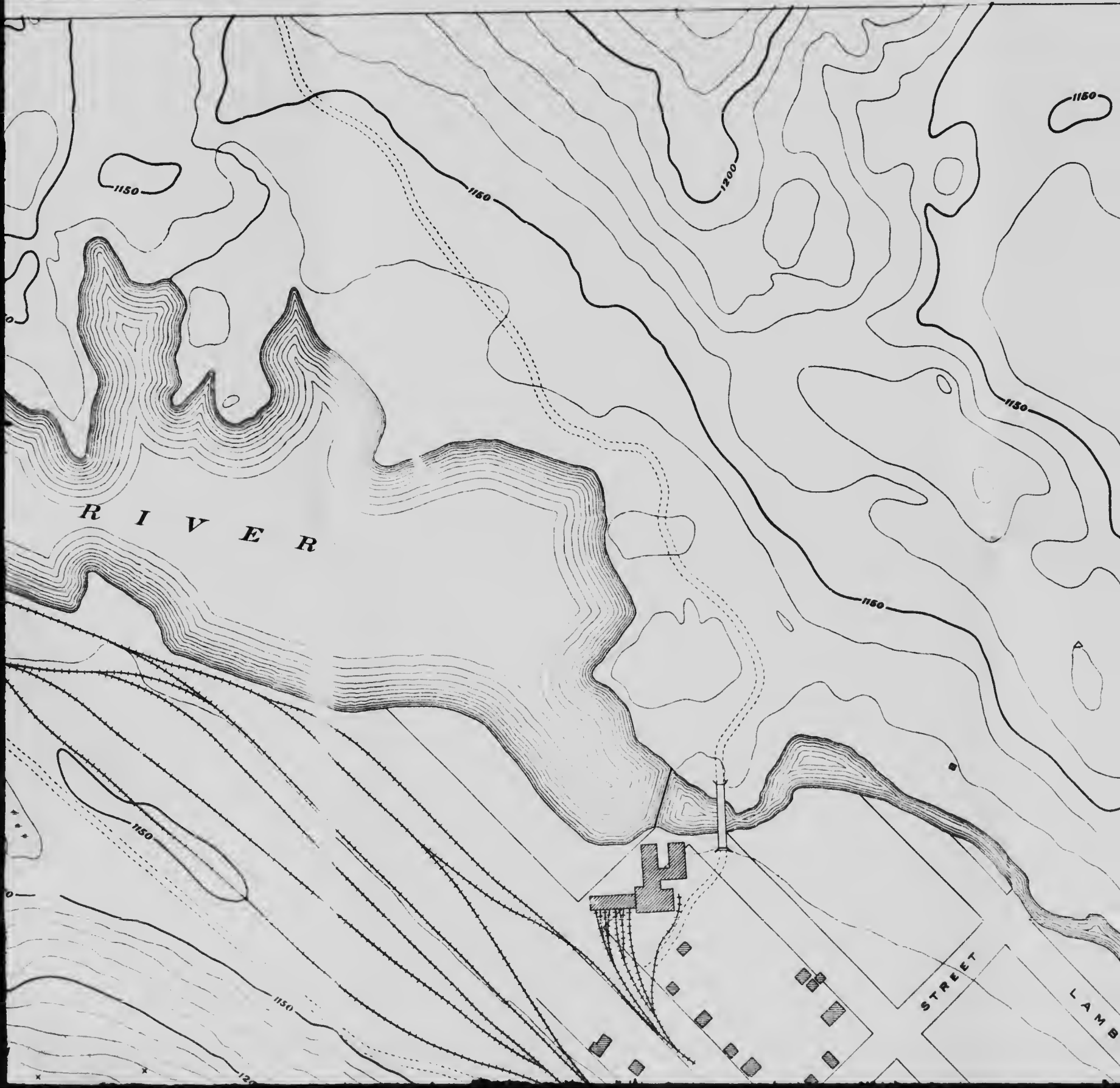
Joining Sheet No. 206



CANADA
DEPARTMENT OF MINES
MINES BRANCH

HON. LOUIS CODERRE, MINISTER; A. P. LOW, LL.D., DEPUTY MINISTER;
EUGENE HAANEL, Ph.D., DIRECTOR.

1913

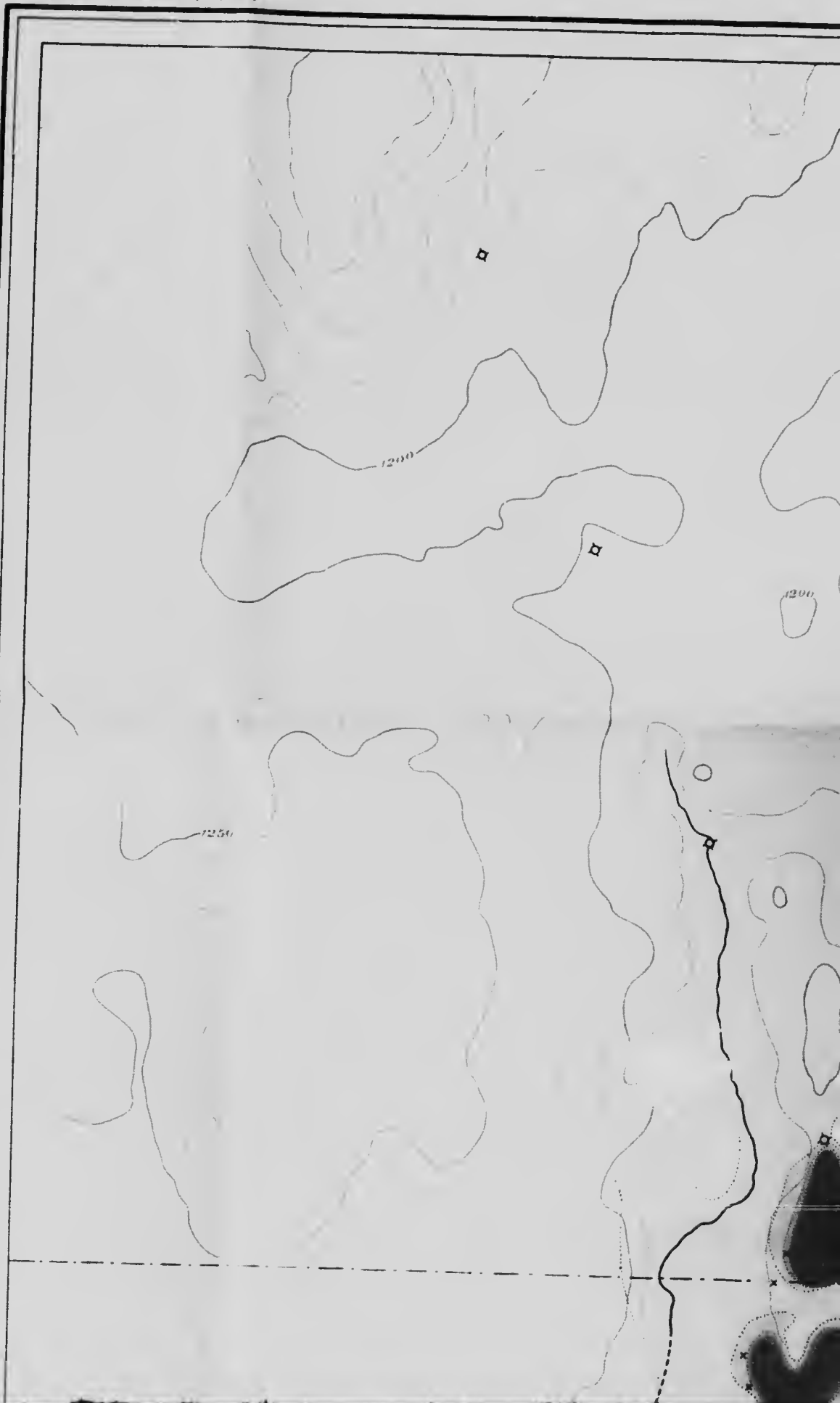




LEGEND

 Roads and buildings

MAGNETOMETRIC MAP



LEGEND

Isodynamic lines of the vertical magnetic intensity

Positive intensity



Magnetic attraction greater than 60°



between 50 60



" 40 50



" 20 30



" 0 20

Negative intensity

between 0 20

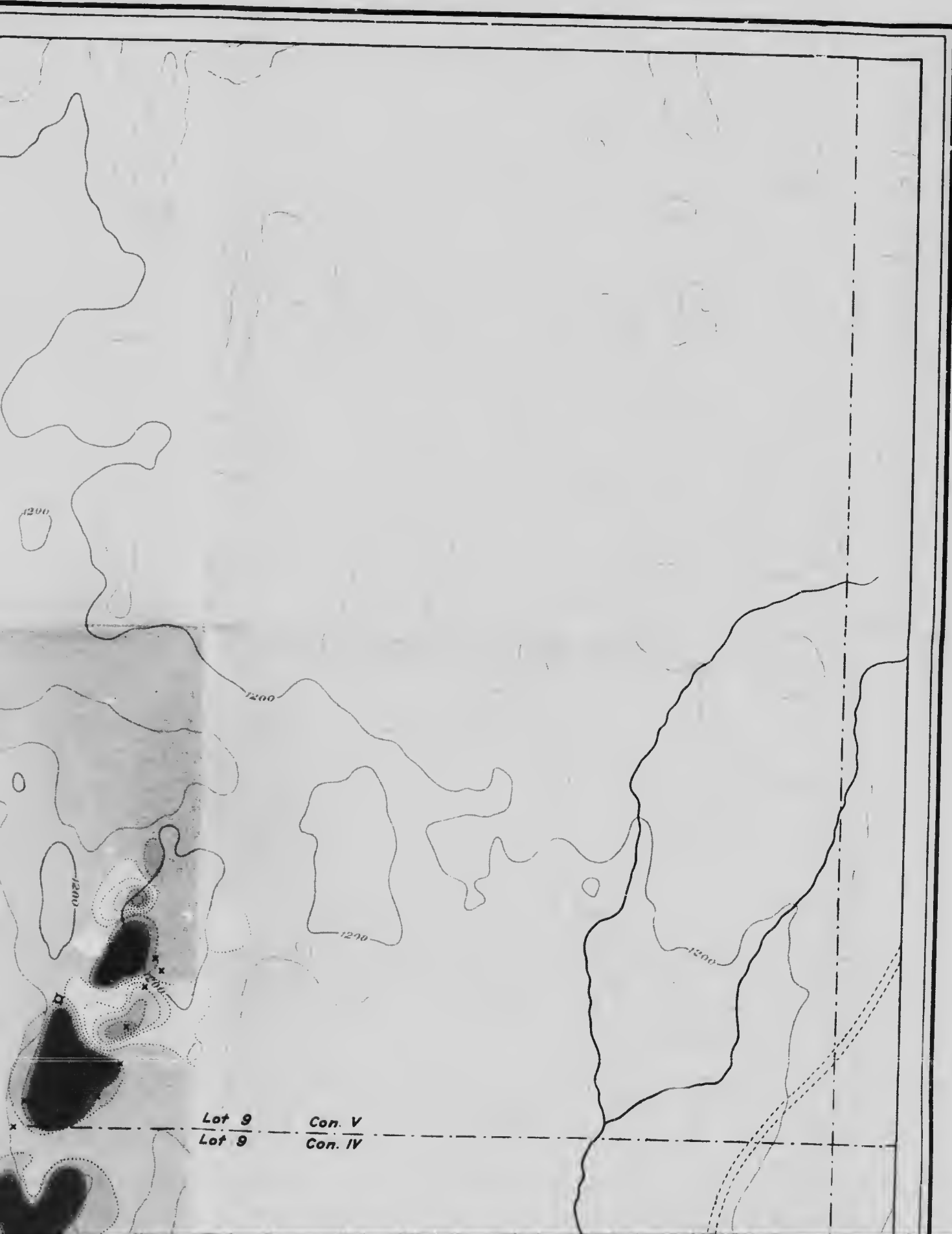
Canada

DEPARTMENT OF MINES

MINES BRANCH

CODERRE, MINISTER: A.P. LOW, LL.D., DEPUTY MINISTER
EUGENE HAANEL, PH.D., DIRECTOR

1913



LEGEND



Road



Lot lines



Reference points



Test pits

MAGNETOMETRIC MAP

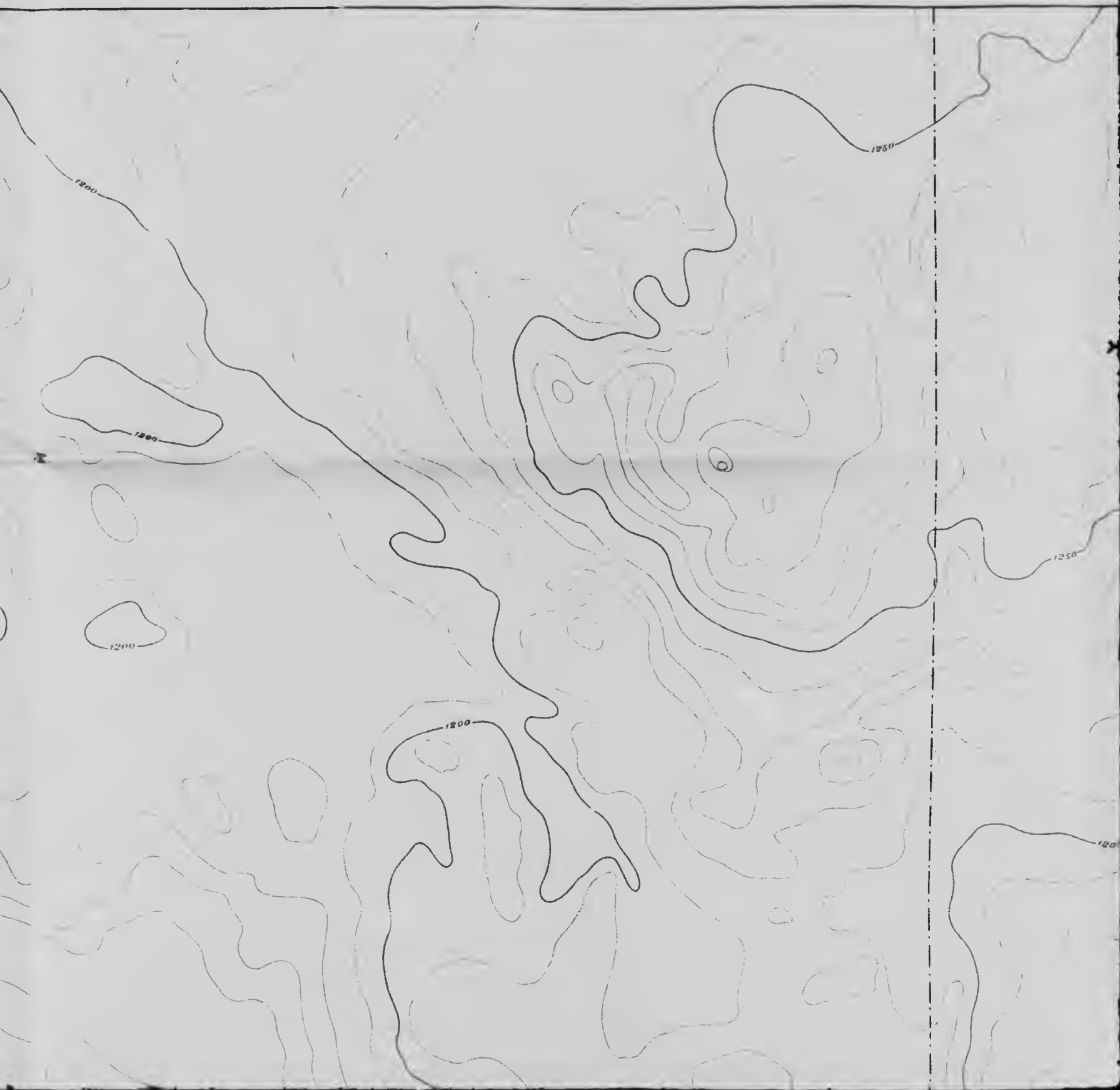


LEGEND

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DEPARTMENT OF MINES
MINES BRANCH

HON. LOUIS CODERRE, MINISTER: A. P. LOW, LL.D., DEPUTY MINISTER
EUGENE HAANEL, PH.D., DIRECTOR

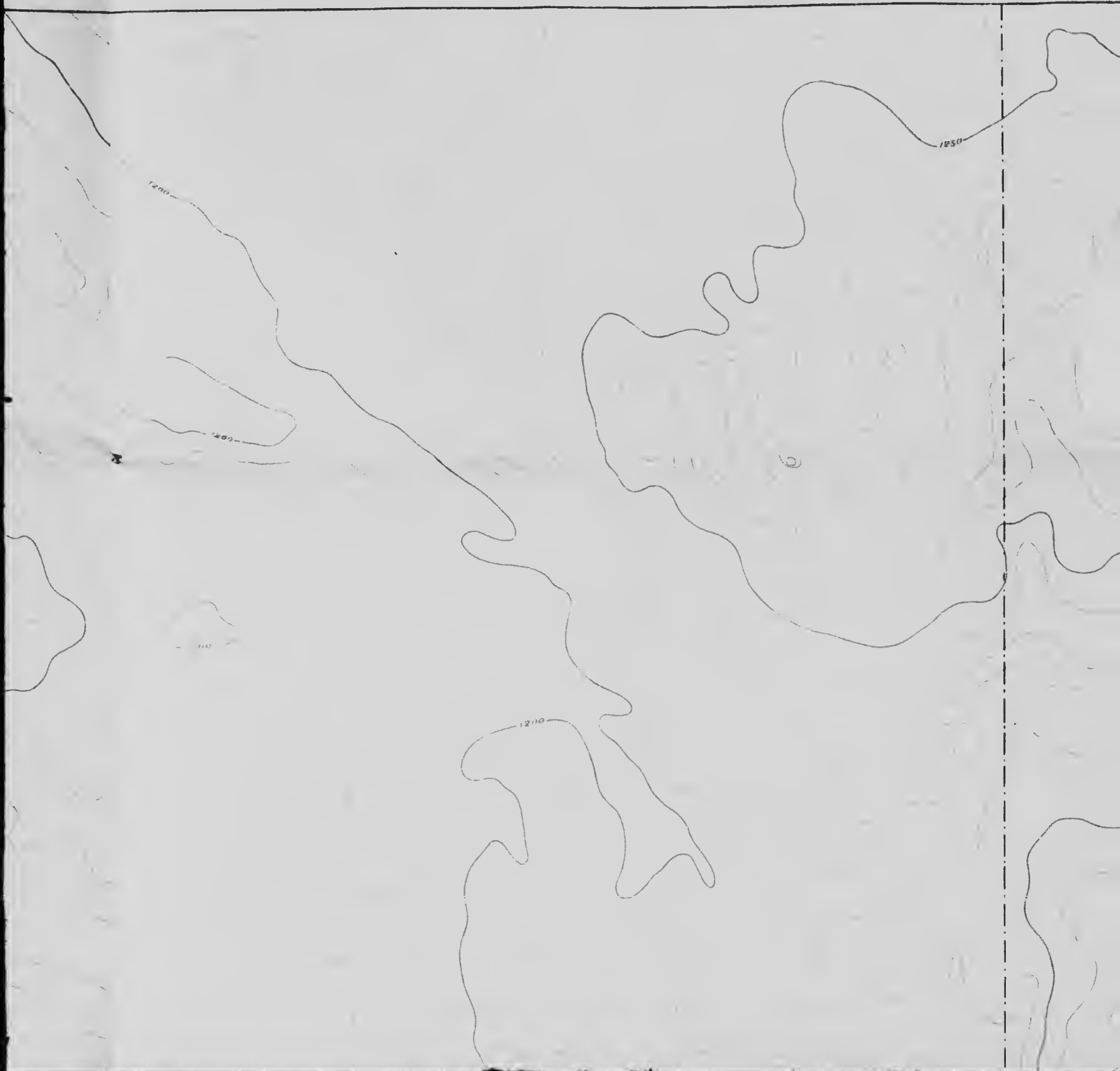
1913



Canada
DEPARTMENT OF MINES
MINES BRANCH

HON. LOUIS CODERRE, MINISTER: A. P. LOW, LL.D., DEPUTY MINISTER
EUGENE HAANEL, PH.D., DIRECTOR

1913















LEGEND

Isodynamic lines of the vertical magnetic intensity

Positive Intensity

	<i>Magnetic attraction greater than 60°</i>
	<i>between 50° - 60°</i>
	<i>" 40° - 50°</i>
	<i>" 20° - 40°</i>
	<i>" 0° - 20°</i>

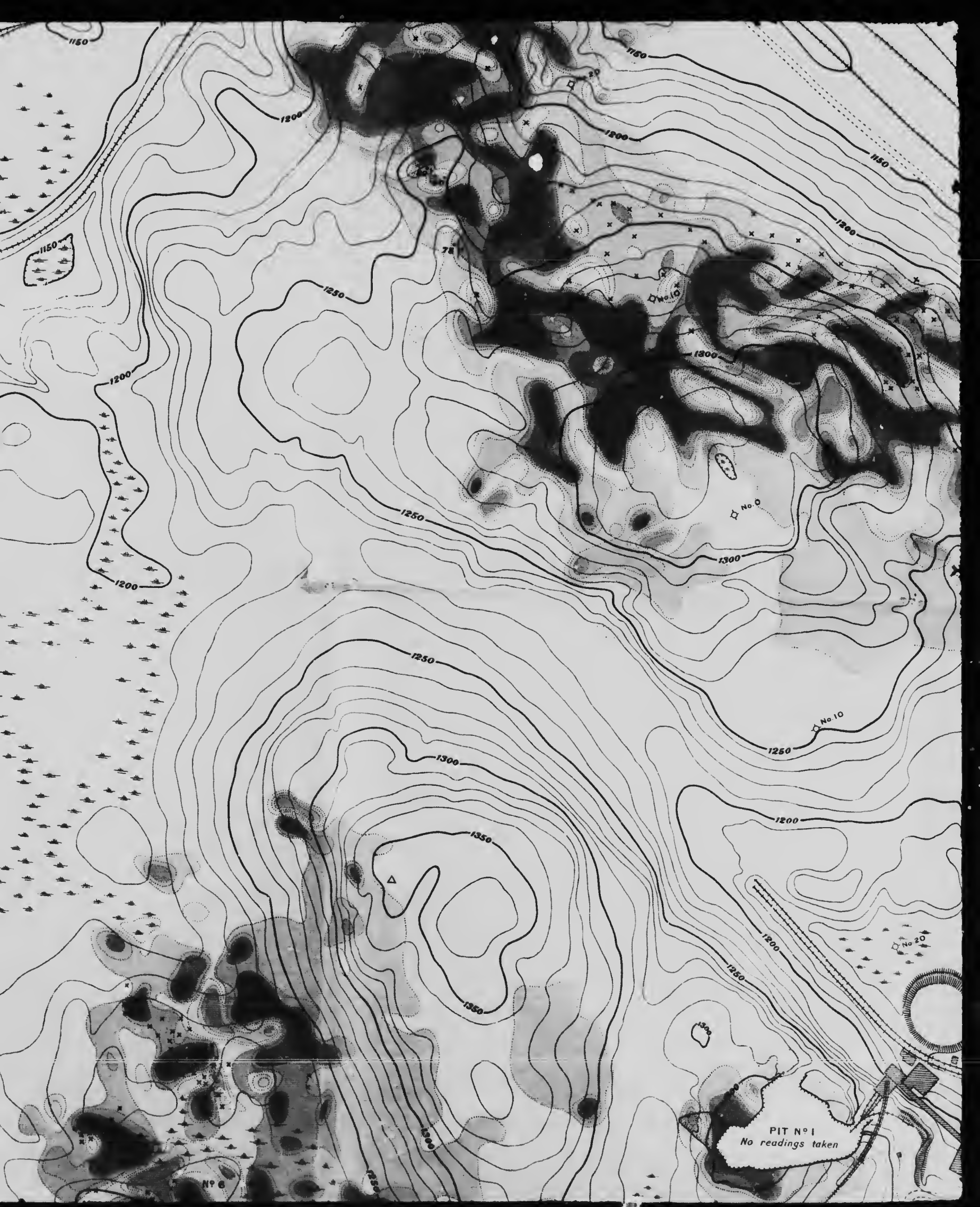
Negative Intensity

	<i>between 0° - -20°</i>
	<i>" -20° - -40°</i>
	<i>" -40° - -50°</i>
	<i>" -50° - -60°</i>
	<i>Magnetic attraction greater than 60°</i>

Constant of Instrument - 1.0 H

Magnetic declination about 6° 55' West





PIT N°1
No readings taken

No. 10

No. 20

N° 6

1150

1200

1250

1250

1250

1300

1350

1350

1300

1200

1150

1200

1300

1300

1250

1200

1250

1300

1150

1200

1200

78

78

No. 10



















No. 0

1150





LEGEND

-  Roads and buildings
-  Reference posts
-  Railways
-  Mine tramway
-  Elevated tramway
-  Bridges
-  Diamond drill hole
-  Test pits
-  Triangulation stations
-  Open cuts
-  Steppings
-  Dams
-  Streams
-  Swamps
-  Ponds
-  Contours interval 10 feet
-  Depression contours
-  Mine dumps

Joins Sheet No. 207

Contours showing heights of 100, 500, 1000 feet based on an elevation supplied by the Moose Mountain Limited

20	10'
40	50'
60	100'
80	150'
100	200'

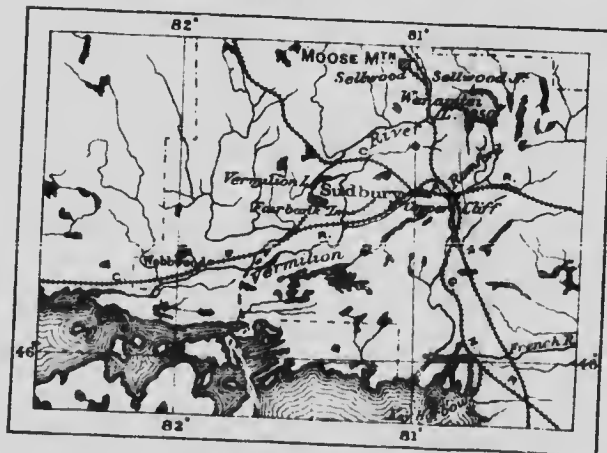
Magnetic attraction greater than 6'

Constant of Instrument 10 H

Magnetic declination about 6°55' west



H. E. Baine, Chief Draughtsman
L. H. S. Perera, Draughtsman



Scale 35 miles to inch

NORTHERN PORT
MOOSE MOUNTAIN II
HUTTON TOWNSHIP
ON



Scale, $\frac{1}{2400}$ =

Streams

Contours interval 10 feet

Contours showing heights above sea level based on an elevation supplied by the Moose Mountain Limited.



Creek

1200

1150

1150

Nº 2

Joins Sheet 205

**N PORTION OF DEPOSIT Nº 2
IN IRON BEARING DISTRICT
MUNICIPALITY, SUDBURY DISTRICT
ONTARIO**

Nº 206

Surveyed by
E. LINDEMAN 1912
Assisted by
**A. H. A. ROBINSON
W. M. MORRISON
W. H. DAVIES**






Scale, $\frac{1}{1600}$ = 200 Feet to 1 Inch








LEGEND

Isodynamic lines of the vertical magnetic intensity

Positive Intensity

	Magnetic attraction greater than 60°
	between 50° 60°
	" 40° 50°
	" 20° 40°
	" 0° 20°

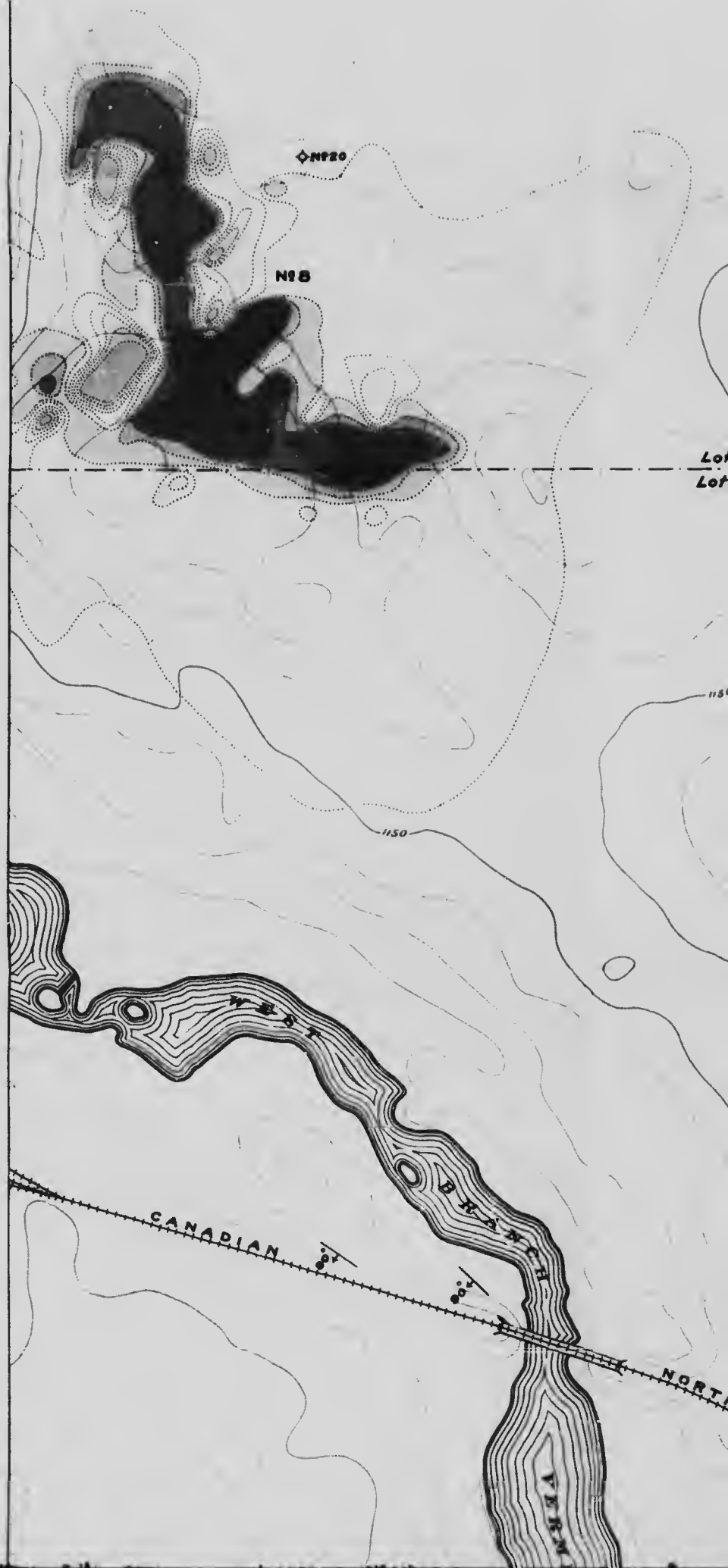
Negative Intensity

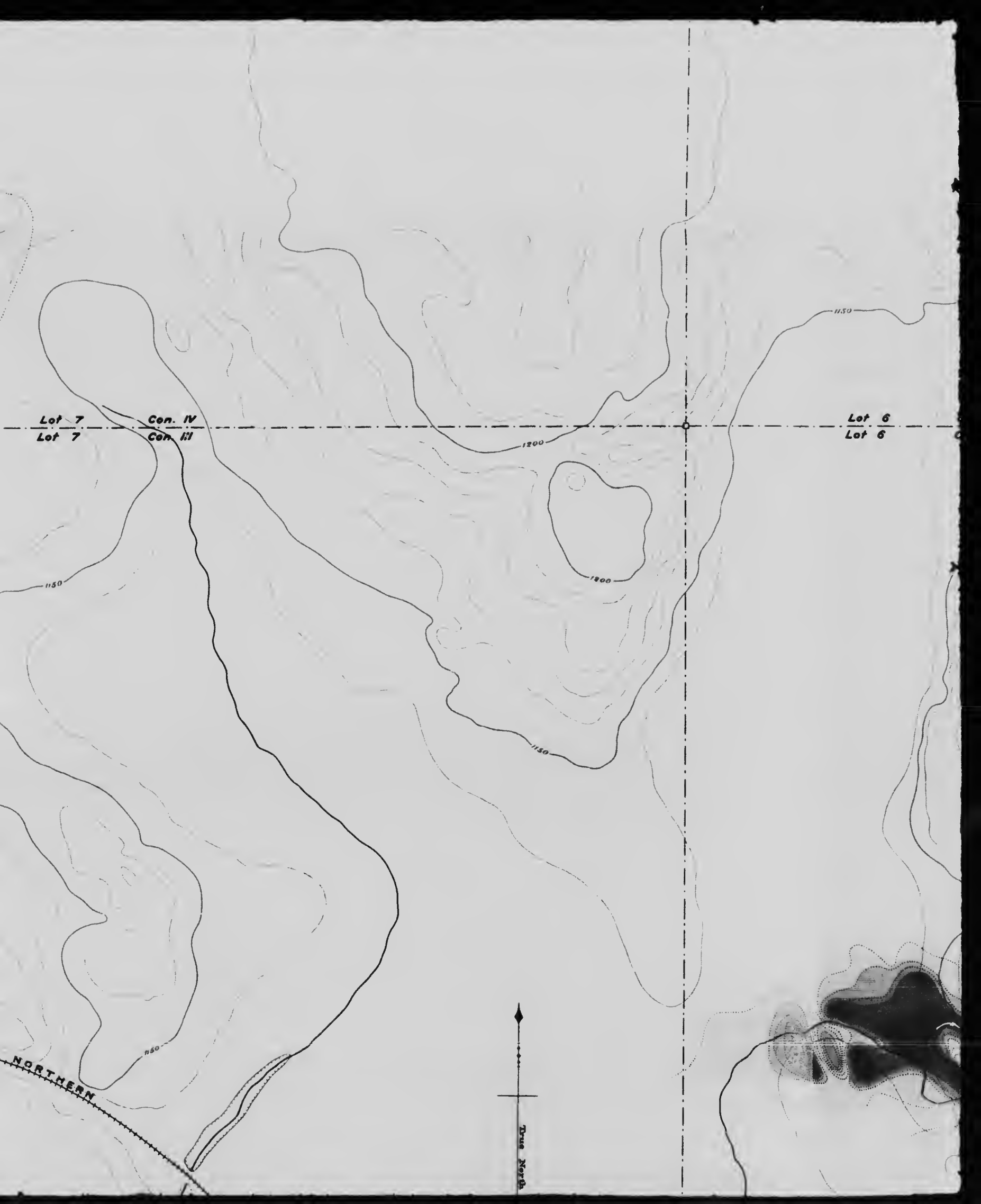
	between 0° - 20°
	" - 20° - 40°
	" - 40° - 50°
	" - 50° - 60°
	Magnetic attraction greater than 60°

Constant of Instrument = 1.0 H

Magnetic declination about 6°55' west

Joint Sheet No 208





Lot 7
Lot 7

Con. IV
Con. III

Lot 6
Lot 6

1150

1200

1150

1300

1150

1150

NORTHERN

True North

Lot 7
Lot 7

Con. IV
Con. III

1200

1150

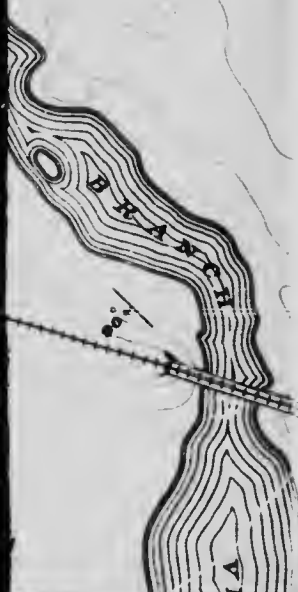
1200

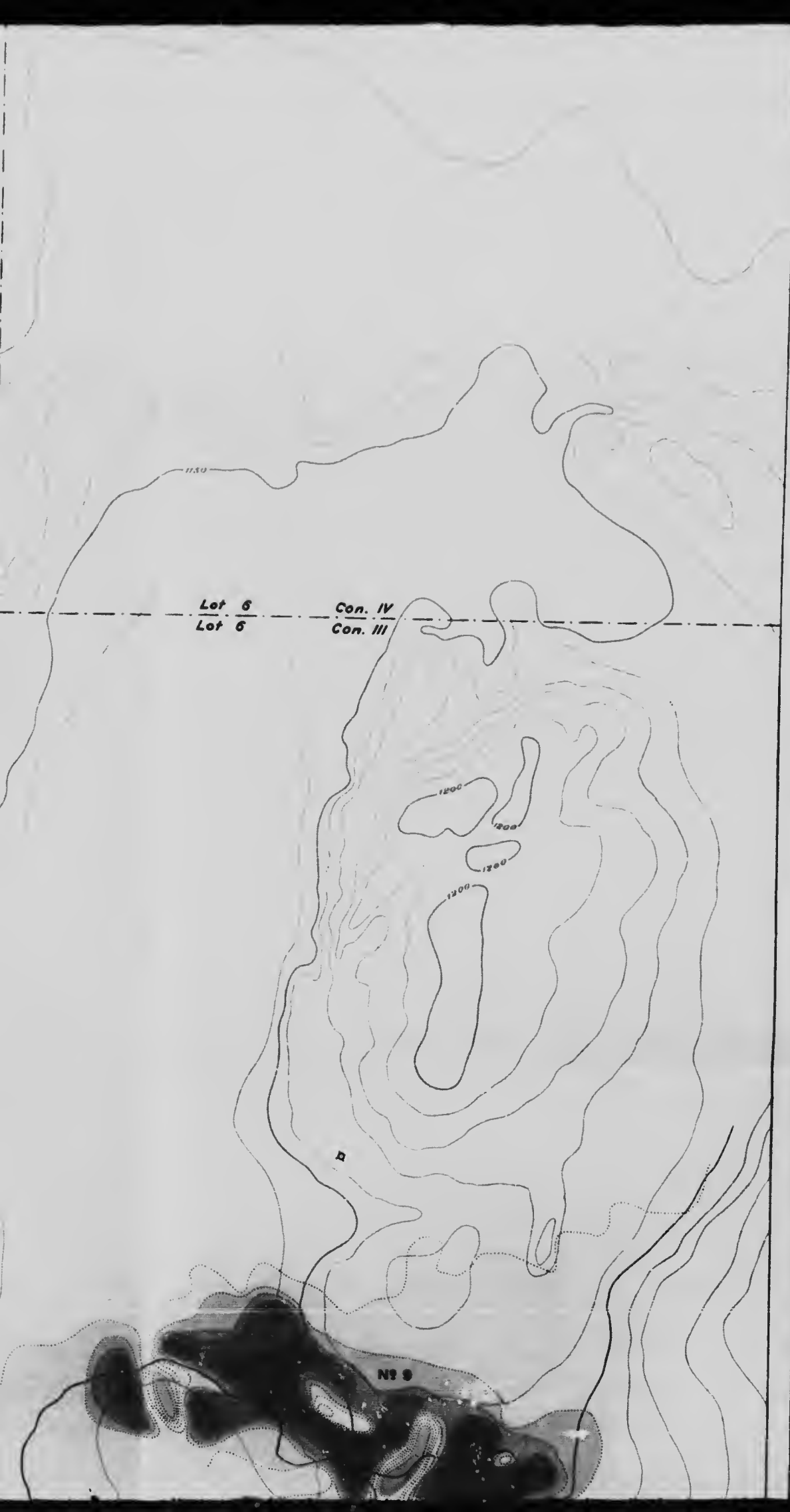
1150

1150









1150

NORTHERN



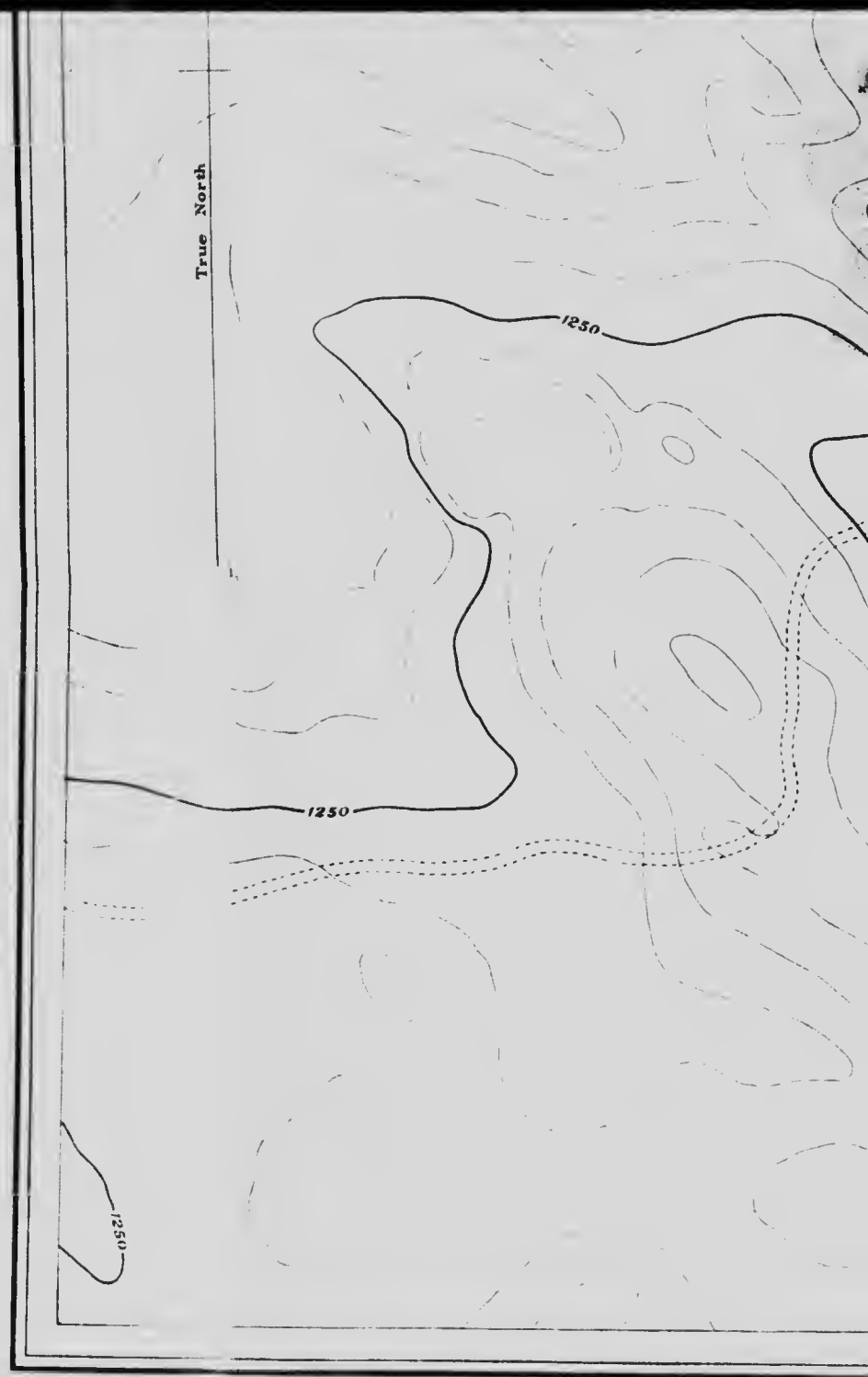


LEGEND

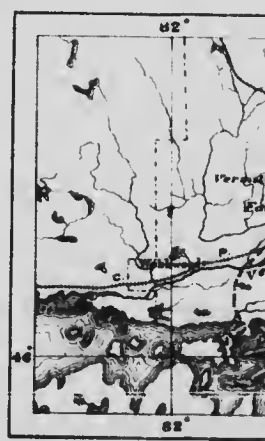
-  *Corner post and Lot lines*
-  *Reference post*
-  *Railway*
-  *Bridge*
-  *Dam*
-  *Streams*
-  *Contours interval 10 feet*
-  *Depression contour*

Contours showing heights above sea level based on an elevation supplied by the Moose Mountain Limited.

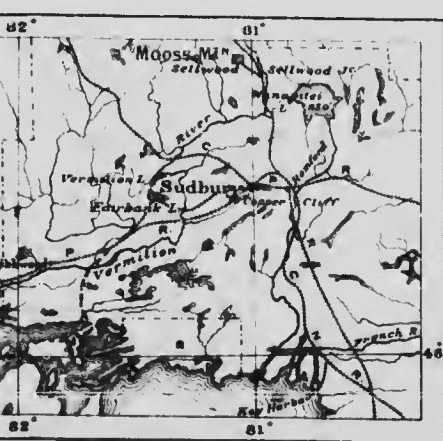
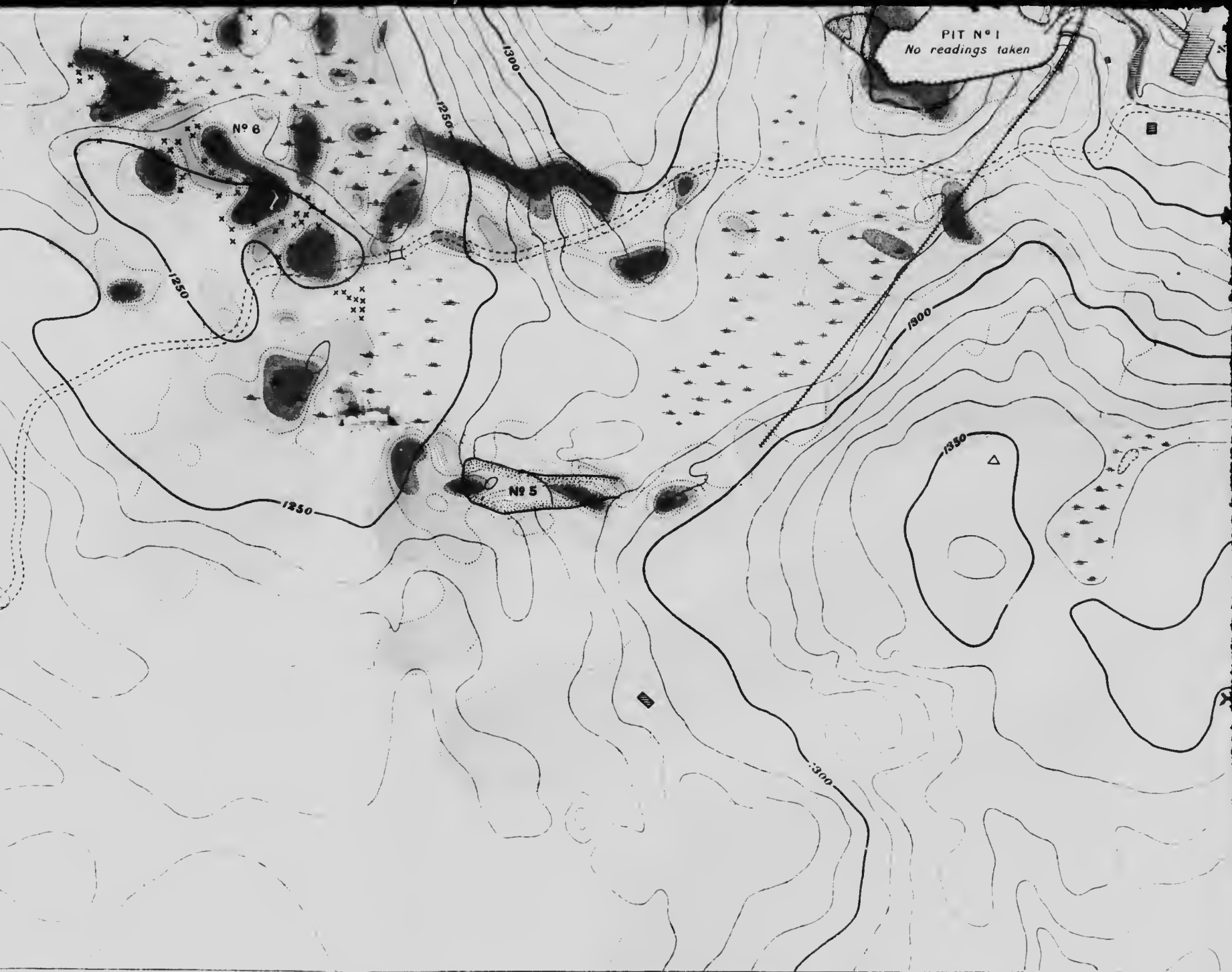
N 2 9



H E Balne, Chief Draughtsman
L H S Pereira, Draughtsman.

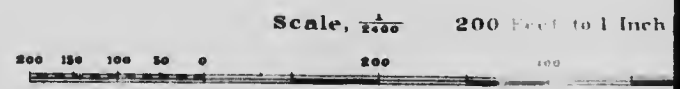


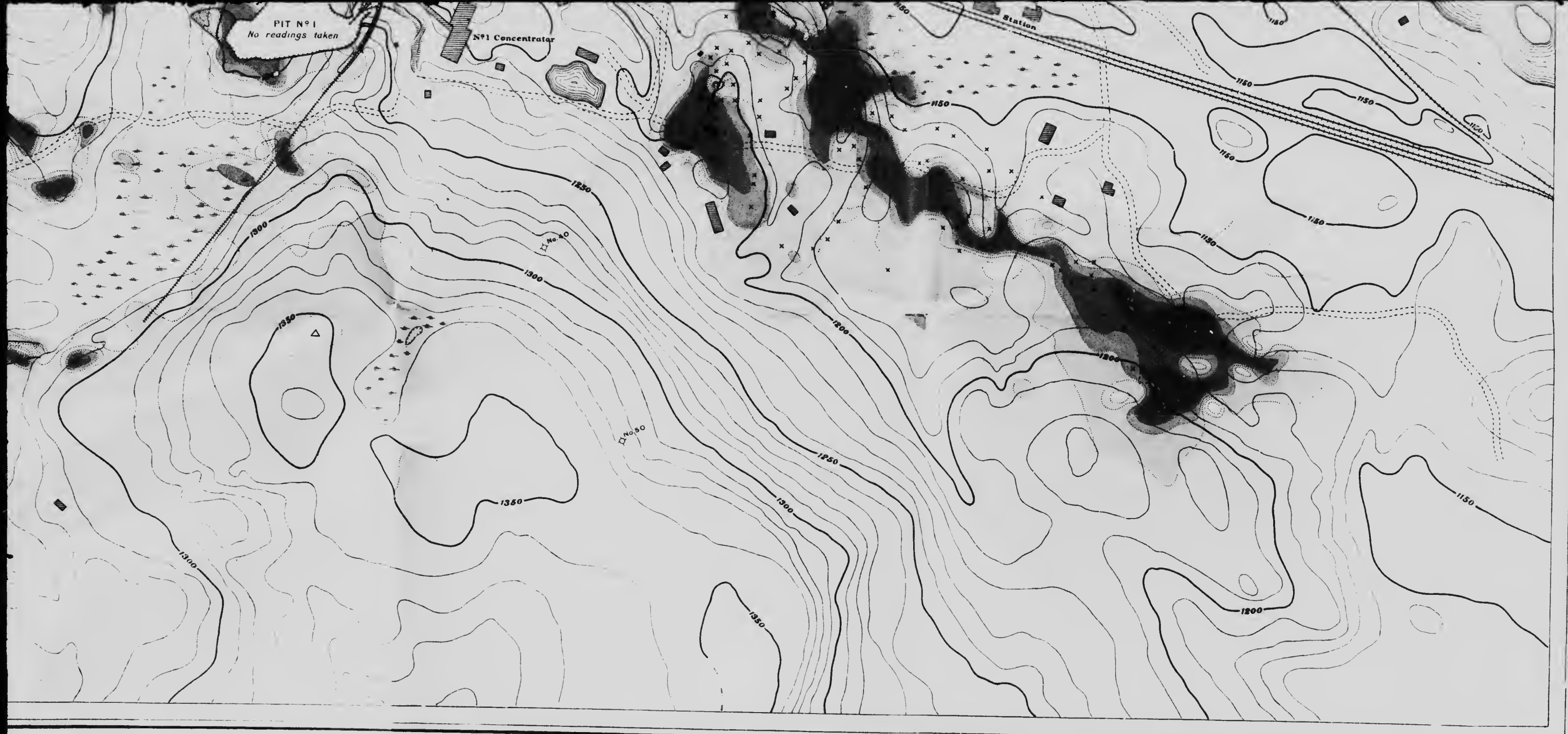
Scale.



Scale. 35 miles to 1 inch

MOOSE MOUNTAIN IRON BELT
HUTTON TOWNSHIP, SUDBURY
ONTARIO





Nº 205

MOOSE MOUNTAIN IRON BEARING DISTRICT
HUTTON TOWNSHIP, SUDBURY DISTRICT
ONTARIO

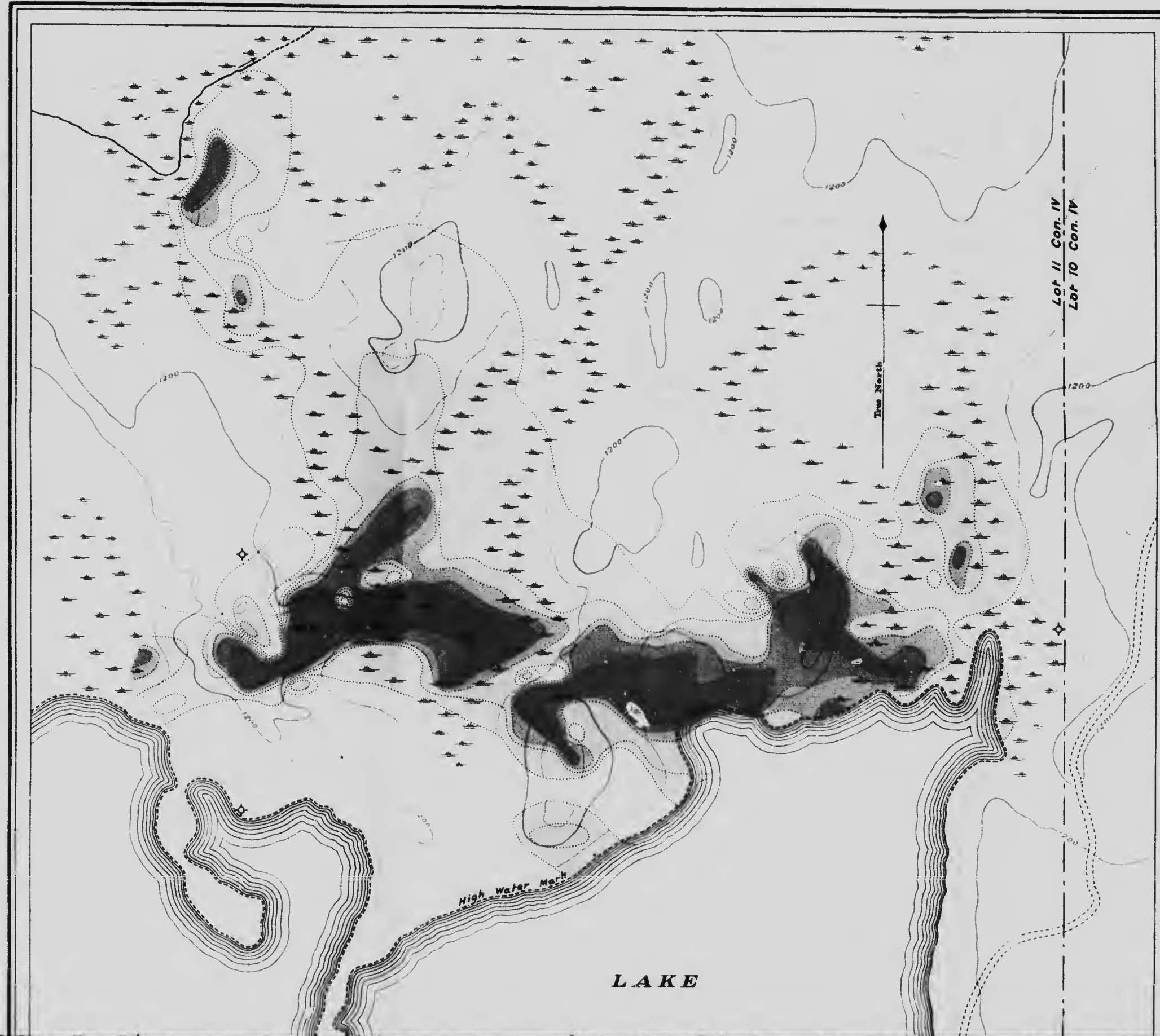
Surveyed by
E. LINDEMAN, 1912
 Assisted by
A. H. ROBINSON
W. M. MORRISON
W. H. DAVIES



Canada
DEPARTMENT OF MINES
MINES BRANCH

HON. LOUIS CORDERRE, MINISTER A. P. LOW, LL.D., DEPUTY MINISTER
 EUGENE HAANEL, PH.D., DIRECTOR
 1913

MAGNETOMETRIC MAP



LEGEND

- Isodynamic lines of the vertical magnetic intensity
- Positive Intensity**
- Magnetic attraction greater than 60°
- Between 50° - 60°
- " 40° - 50°
- " 20° - 40°
- " 0° - 20°
- Negative Intensity**
- between 0° - 20°
- " - 20° - 40°
- " - 40° - 50°
- " - 50° - 60°

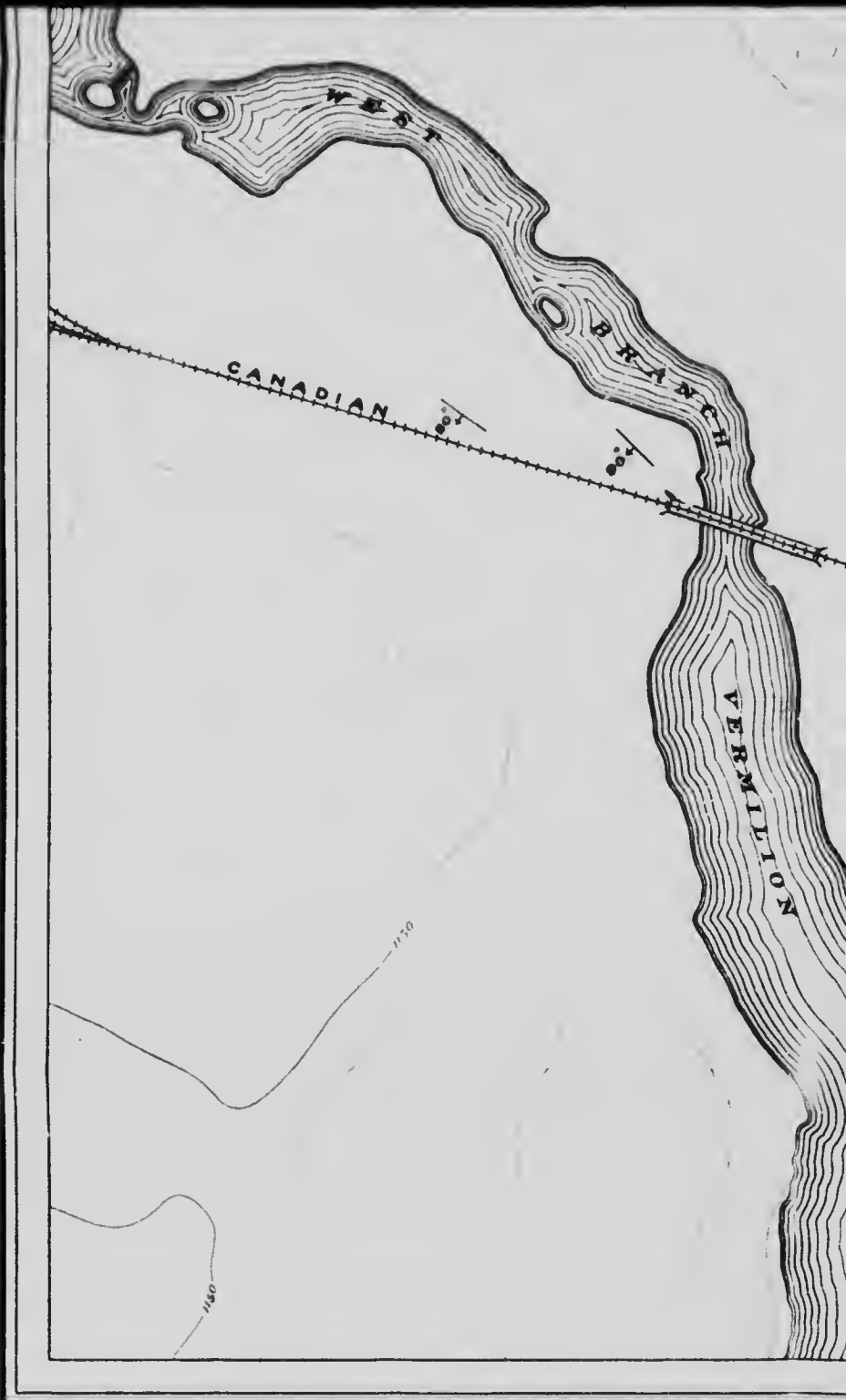
Constant of instrument = 1.0 H

Magnetic declination about 6° 55' west

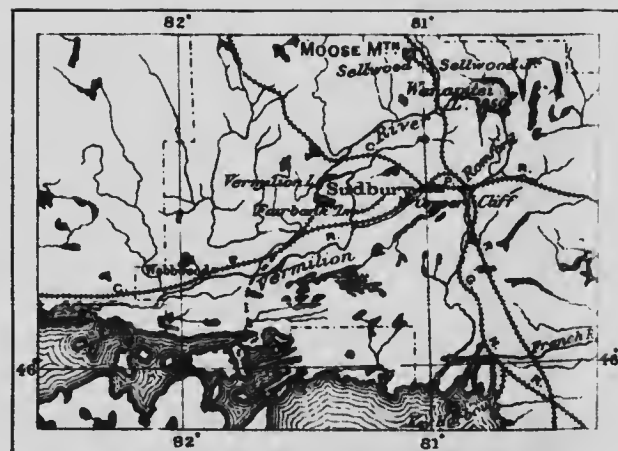
LEGEND

- Road
- Lot line
- Reference posts
- Stream
- Swamps
- Contours, interval 10 feet

Contours showing heights above sea level based on an elevation supplied by the Moose Mountain Limited.



H. E. Baine, Chief Draughtsman
L. H. S. Pereira, Draughtsman



Scale: 35 miles to 1 inch



DEPOSITS Nos 8, 9 AND 9A
MOOSE MOUNTAIN IRON BEARING DISTRICT
HUTTON TOWNSHIP, SUDBURY DISTRICT
ONTARIO

Scale, $\frac{1}{1600}$: 200 Feet to 1 Inch

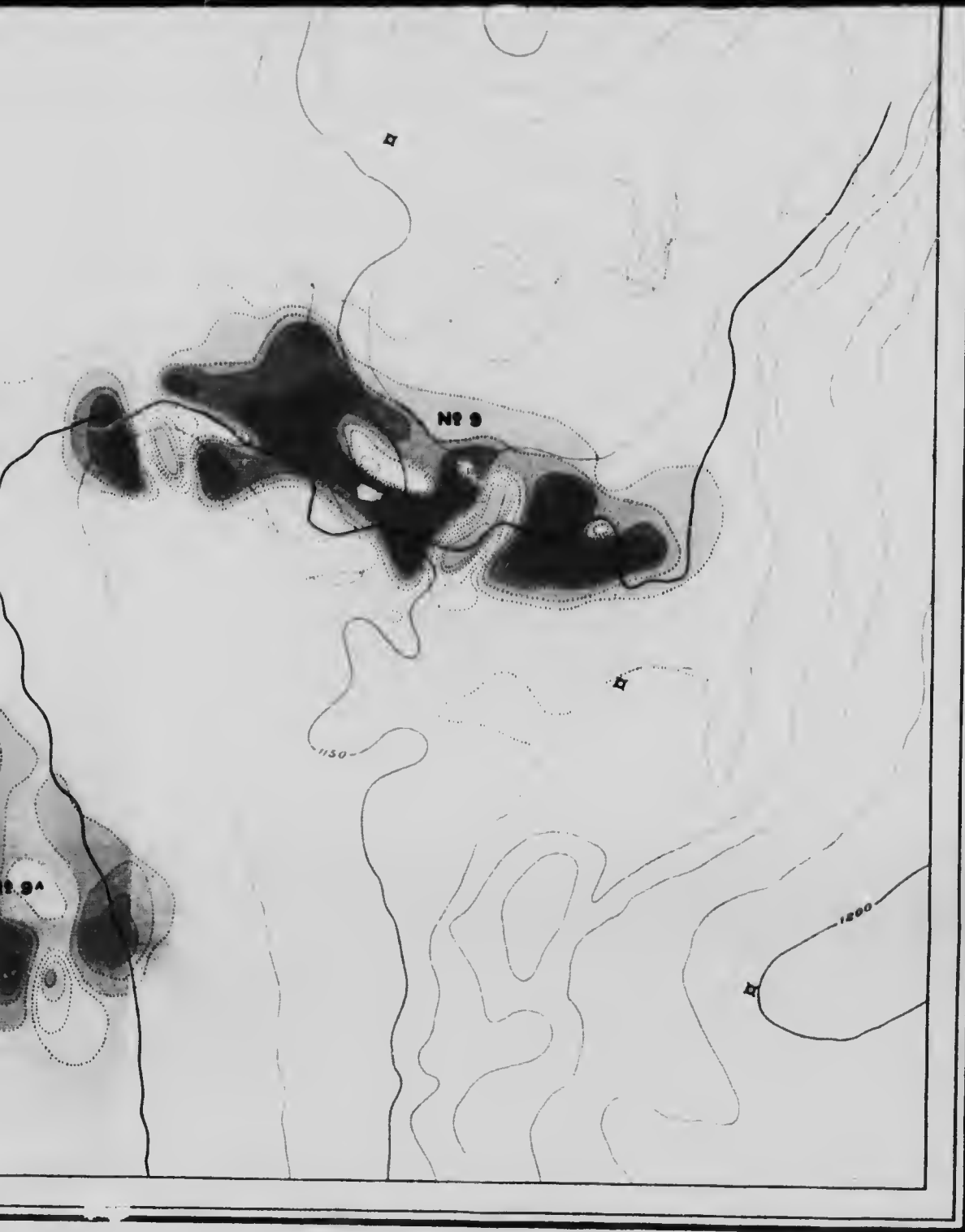




DEPOSITS Nos 8, 9 AND 9A
MOOSE MOUNTAIN IRON BEARING DISTRICT
 HUTTON TOWNSHIP, SUDBURY DISTRICT
 ONTARIO

Scale, $\frac{1}{1600}$: 200 Feet to 1 Inch















Nº 207

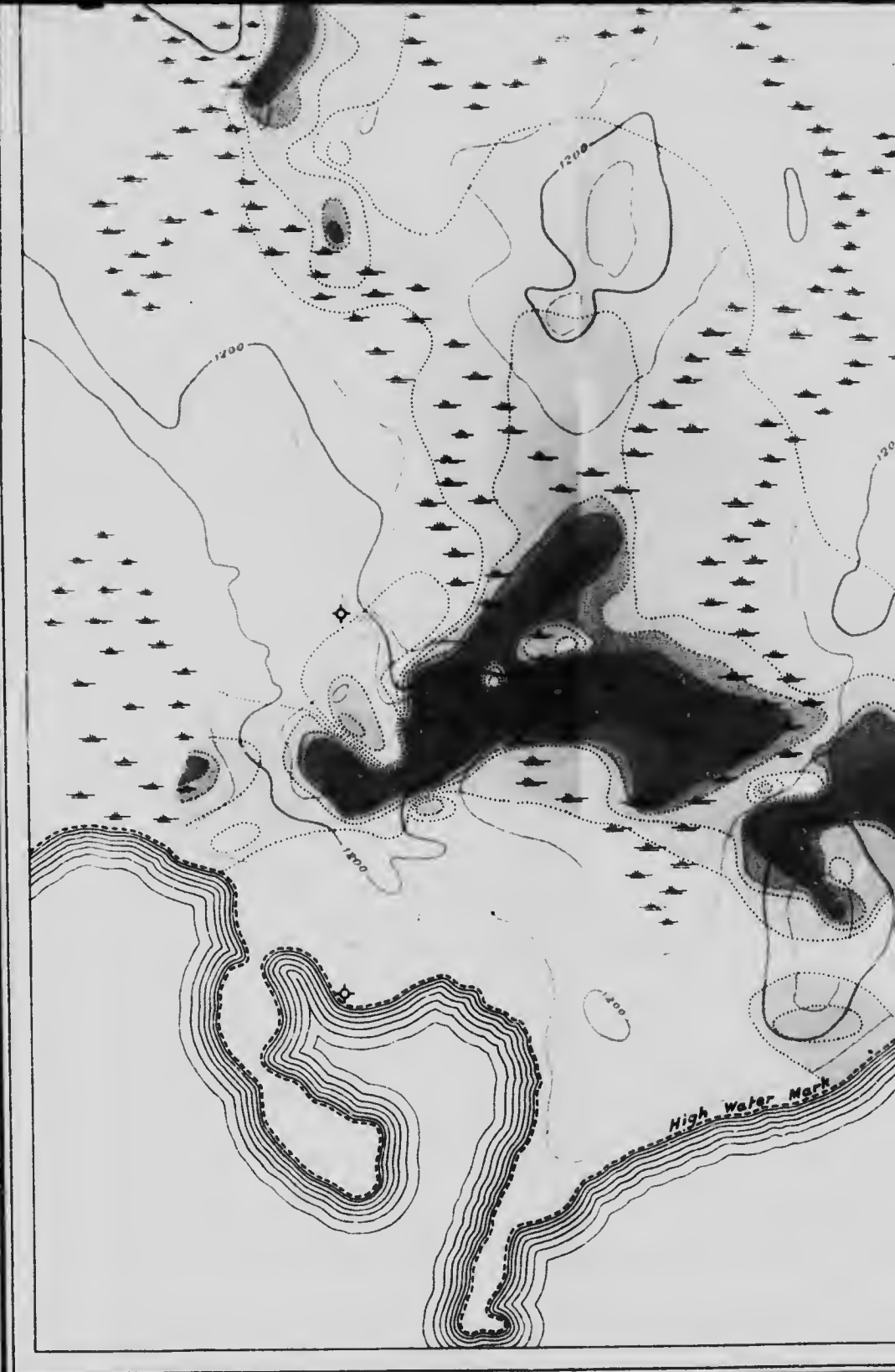
RICT

Surveyed by
E. LINDEMAN 1918
Assisted by
A. H. A. ROBINSON
W. M. MORRISON
W. H. DAVIES

LEGEND


	<i>Isodynamic lines of the vertical magnetic intensity</i>
Positive Intensity	
	<i>Magnetic attraction greater than 60°</i>
	<i>between 50° - 60°</i>
	<i>" 40° - 50°</i>
	<i>" 20° - 40°</i>
	<i>" 0° - 20°</i>
Negative Intensity	
	<i>between 0° - -20°</i>
	<i>" -20° - -40°</i>
	<i>" -40° - -50°</i>
	<i>" -50° - -60°</i>

Constant of Instrument = 1.0 H
Magnetic declination about 6°55' west









H. E. Baine, Chief Draughtsman
L. H. S. Pereira, Draughtsman

DEPOSIT
MOOSE MOUNTAIN IRON
HUTTON TOWNSHIP, S
ONTARIO

Scale, $\frac{1}{25000}$: 200




LEGEND

-  Road
-  Lot line
-  Reference point
-  Stream
-  Swamps
-  Contours, interval 10 feet

Contours showing heights above sea-level based on an elevation supplied by the Moose Mountain Limited.

N° 208

**DEPOSIT N° 10
IRON BEARING DISTRICT
SUDBURY DISTRICT
ONTARIO**

Surveyed by
E. LINDEMAN 1919
Assisted by
**A. H. A. ROBINSON
W. M. MORRISON
W. H. DAVIES**

Scale: 200 Feet to 1 Inch
0 200 400 600



MAGNETOMETRIC MAP

LEGEND

Isodynamic lines of the vertical magnetic intensity

Positive Intensity



Magnetic attraction greater than 60°



between 50 60°



" 40 50°



" 20 40°



" 0 20°

Negative Intensity



between 0 20°



" - 20 - 40°



" - 40 - 50°



" - 50 - 60°



Magnetic attraction greater than 60°

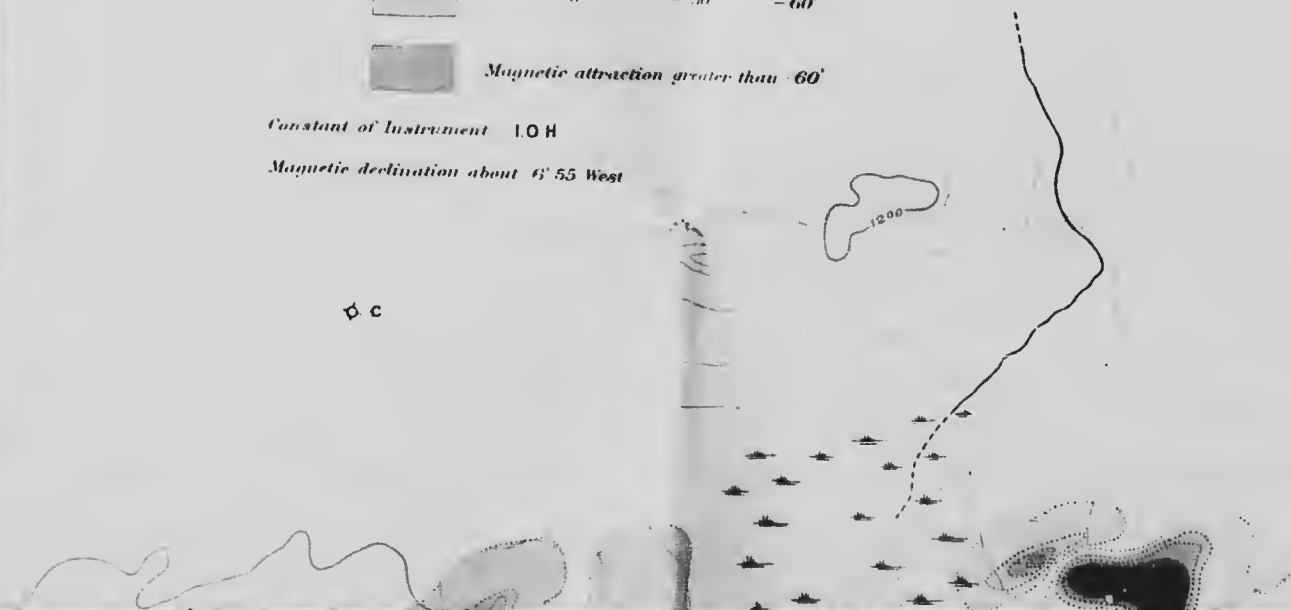
Constant of Instrument 1.0 H

Magnetic declination about 6° 55 West



Joins Sheet No 208

◇ c



Canada
DEPARTMENT OF MINES
MINES BRANCH

HON. LOUIS CODERRE, MINISTER A.P. LOW, LL.D., DEPUTY MINISTER
EUGENE HAANEL, PH.D., DIRECTOR

1913

DEPOSIT N° 11
MOOSE MOUNTAIN IRON BEARING DISTRICT
HUTTON TOWNSHIP, SUDBURY DISTRICT
ONTARIO

Scale, ~~1000~~ : 200 Feet to 1 Inch



True North

Surveyed
E.
Assisted
A.H.
W.N.
W.H.

◇ N° 80



Canada
DEPARTMENT OF MINES
MINES BRANCH

HON. LOUIS CODERRE, MINISTER A. P. LOW, LL.D., DEPUTY MINISTER
EUGENE HAANEL, PH.D., DIRECTOR
1913

DEPOSIT N^o 11
MOOSE MOUNTAIN IRON BEARING DISTRICT
HUTTON TOWNSHIP, SUDBURY DISTRICT
ONTARIO

Scale, ~~1/100~~ : 200 Feet to 1 Inch







Surveyed by
E. Lindeman 1912
Assisted by
A.H.A. Robinson
W.M. Morrison
W.H. Davis



1913

LEGEND

-  *Reference posts*
-  *Streams*
-  *Swamps*
-  *Contours, interval 10 feet*

*Contours showing heights above sea level
based on an elevation supplied by the
Moose Mountain Limited.*

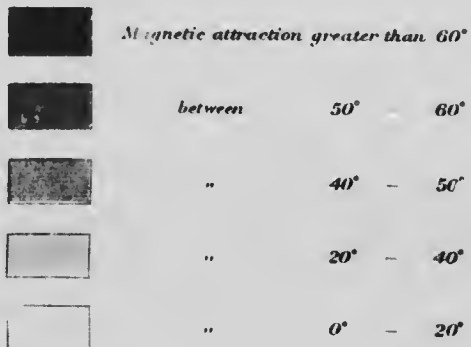


MAGNETOMETRIC MAP

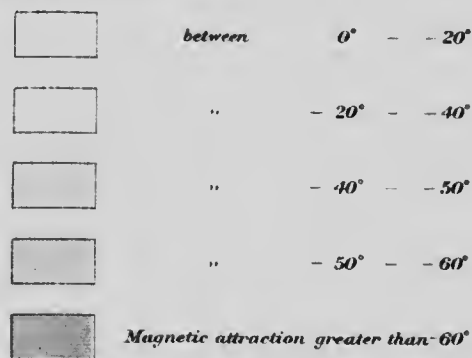
LEGEND

 *Isodynamic lines of the vertical magnetic intensity*

Positive Intensity

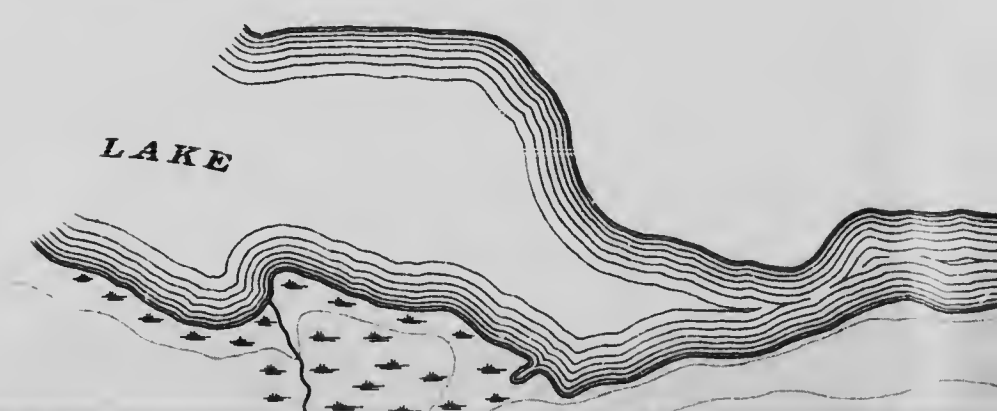


Negative Intensity



Constant of Instrument = 1.0 H

Magnetic declination about 6° 55' West



Canada
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MINES BRANCH

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EUGENE HAANEL, PH.D., DIRECTOR

1913

DEPOSIT N° 11
MOOSE MOUNTAIN IRON BEARING DISTRICT
KITCHENER AND HUTTON TOWNSHIPS, SUDBURY DISTRICT
ONTARIO

Scale, $\frac{1}{200}$ inch to 1 Inch



True North

HUTTON
KITCHENER

BRANCH

Canada
DEPARTMENT OF MINES
MINES BRANCH

HON. LOUIS CODERRE, MINISTER A P LOW, LL.D., DEPUTY MINISTER
EUGENE HAANEL, PH.D., DIRECTOR

1913

DEPOSIT N° 11
MOOSE MOUNTAIN IRON BEARING DISTRICT
KITCHENER AND HUTTON TOWNSHIPS, SUDBURY DISTRICT
ONTARIO










Scale, $\frac{1}{200}$: 200 Feet to 1 Inch



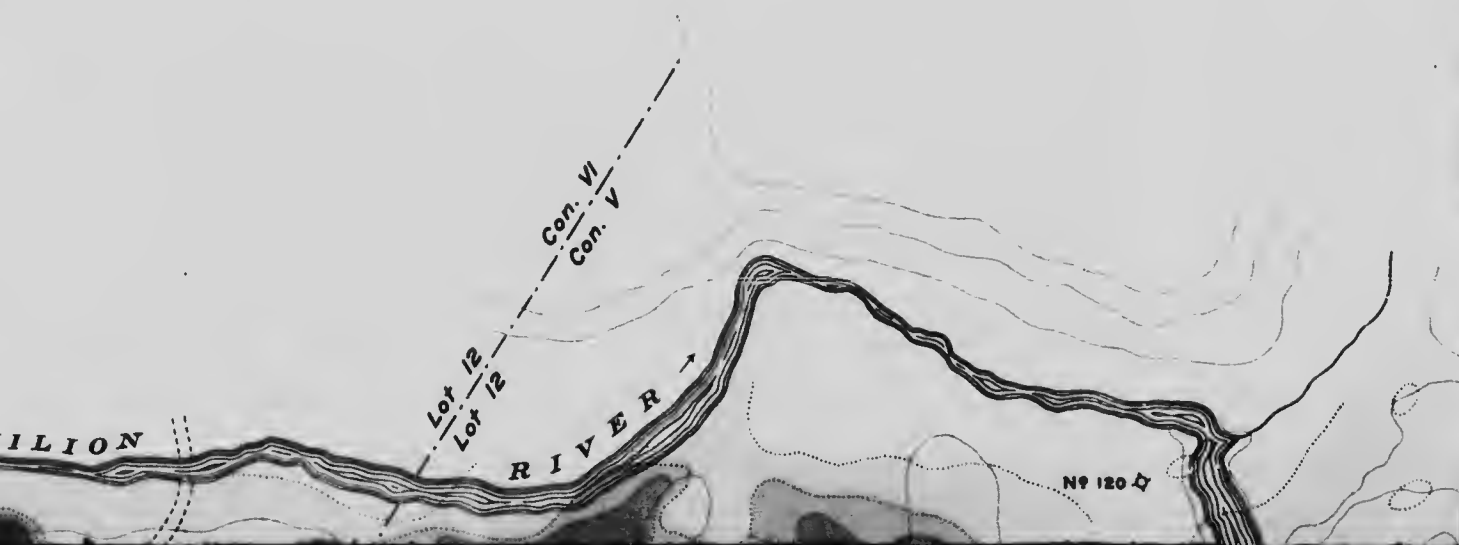
Surveyed by
E. Lindeman 1912
Assisted by
A.H.A. Robinson
W.M. Morrison
W.H. Davies



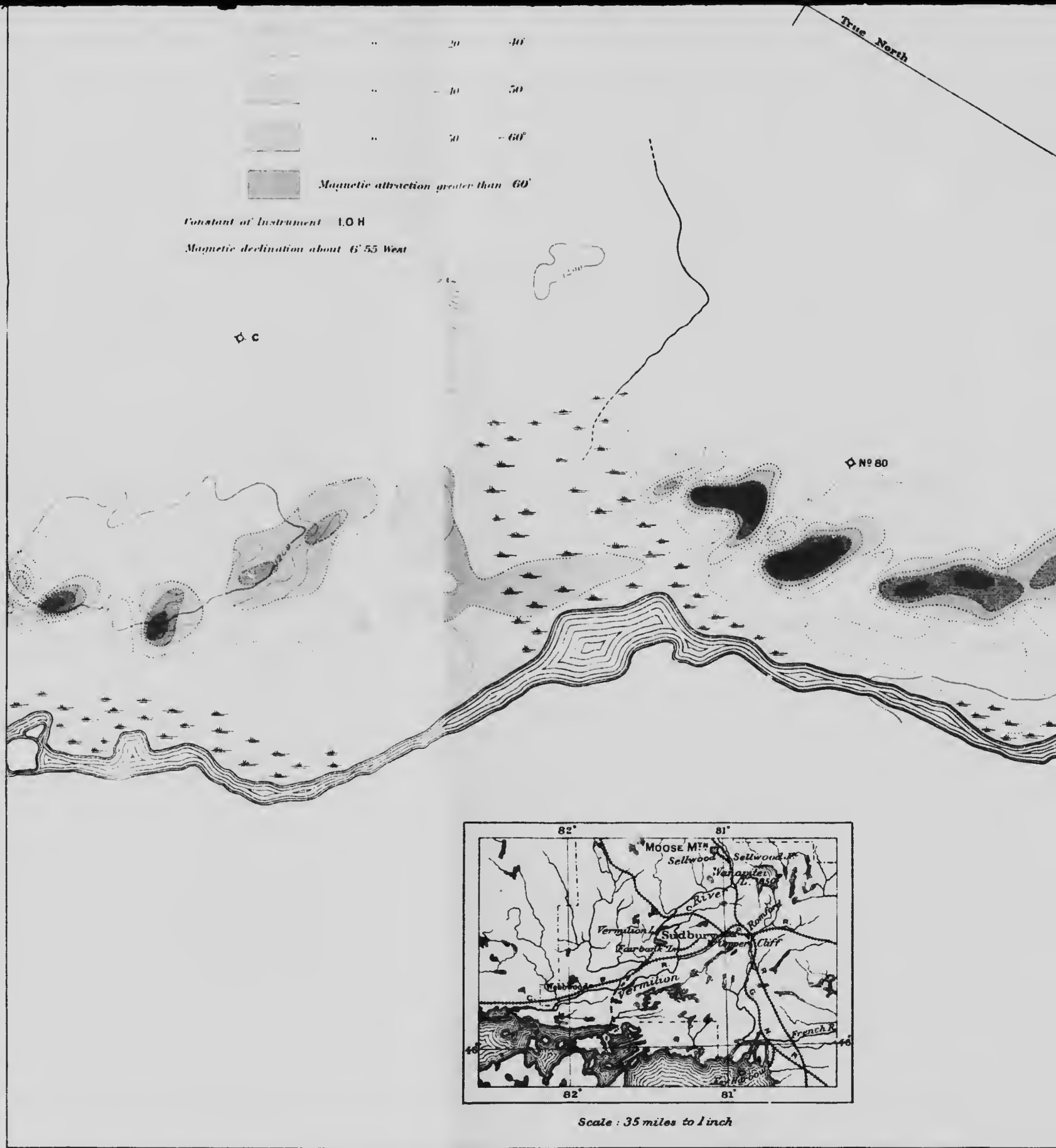
LEGEND

-  *Road and buildings*
-  *Corner post and lot lines*
-  *Reference posts*
-  *Test pits*
-  *Shaft*
-  *Strippings*
-  *Streams*
-  *Swamps*
-  *Contours, interval 10 feet*

Contours showing heights above sea-level based on an elevation supplied by the Moose Mountain Limited.



Joins Sheet N° 208

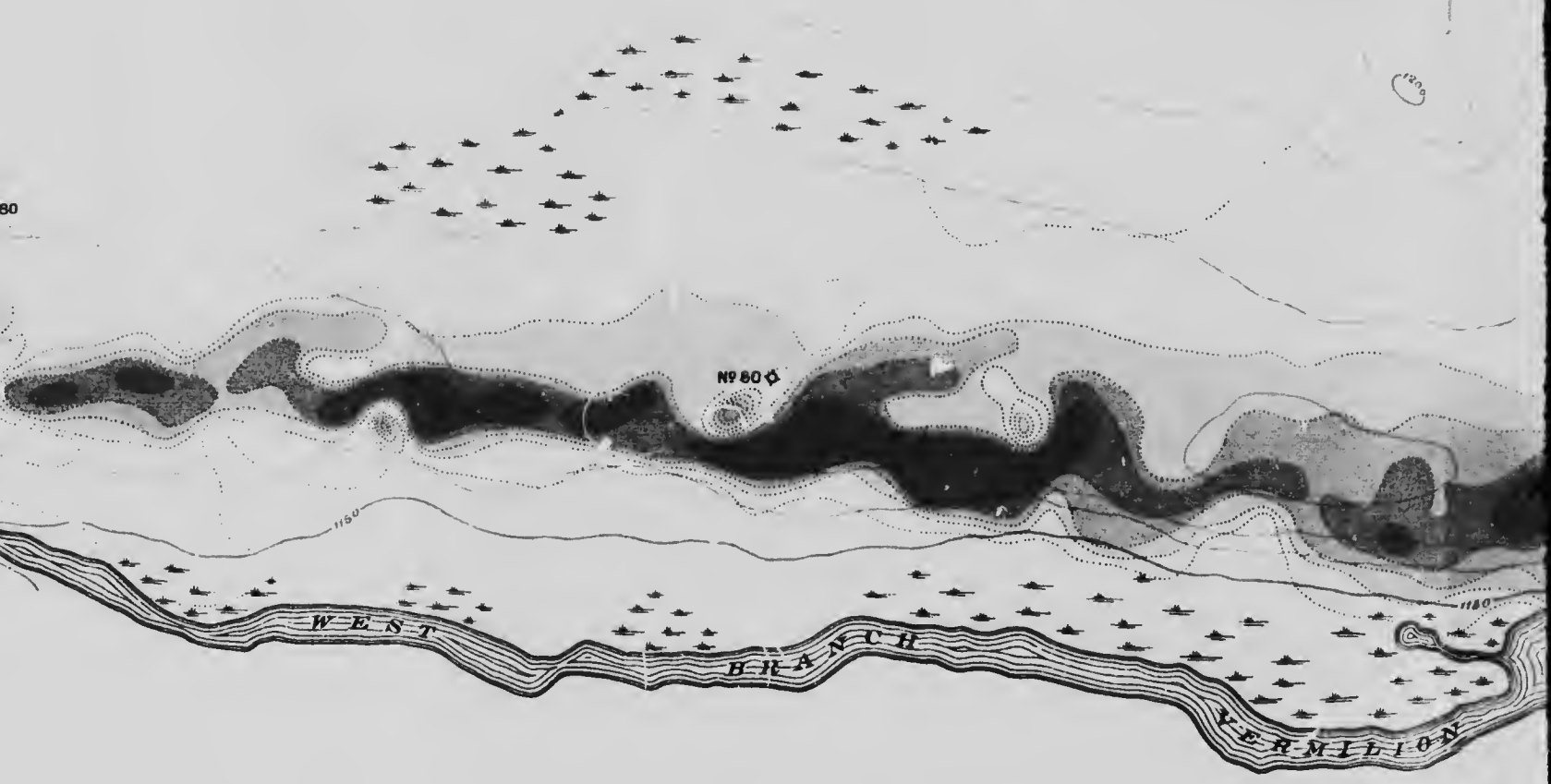


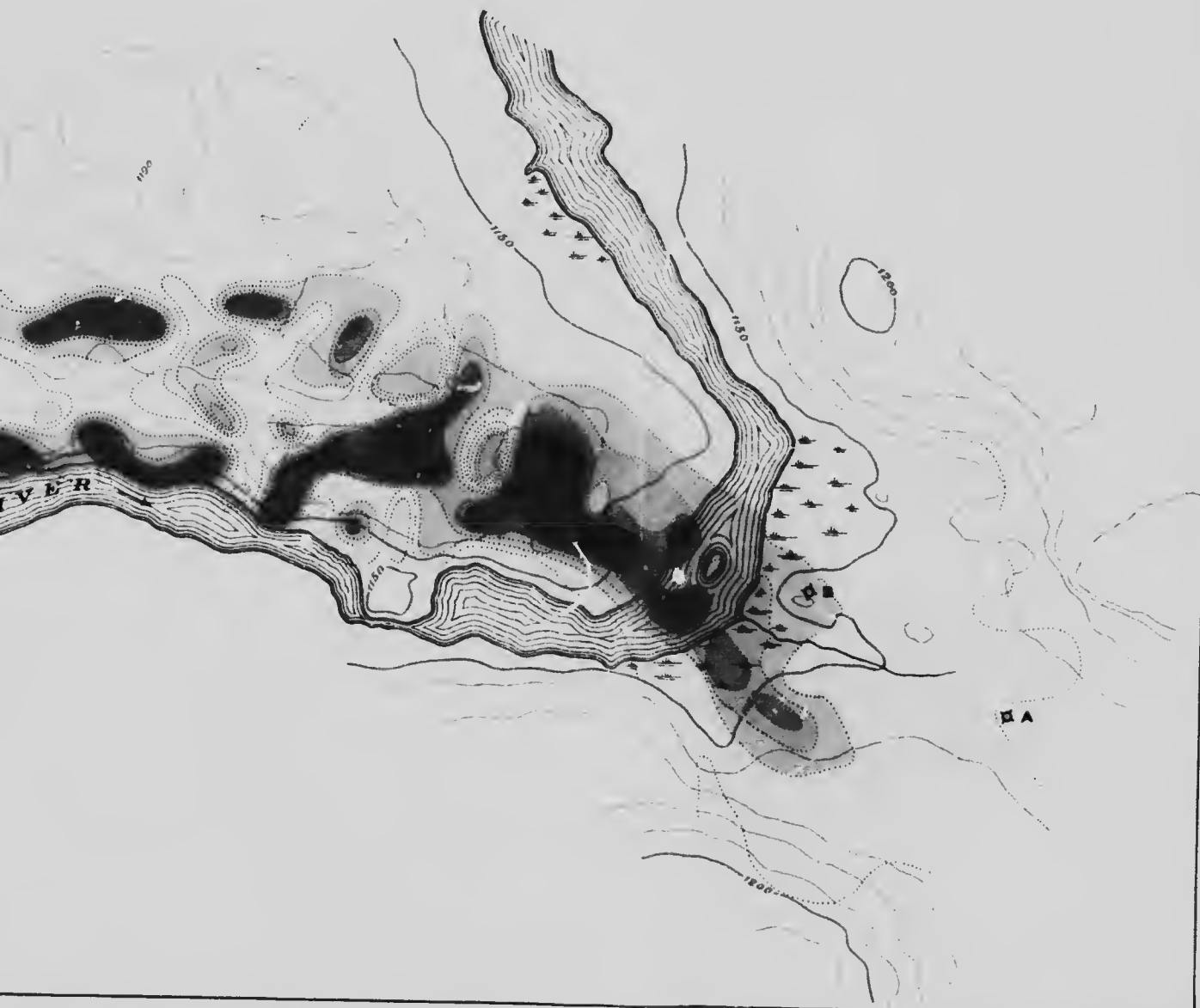
H. E. Bayne, Chief Draughtsman
L. H. S. Percot, Draughtsman

Surveyed by
E. Lindeman 1912
Assisted by
A.H. Robinson
W.M. Morrison
W.H. Davis

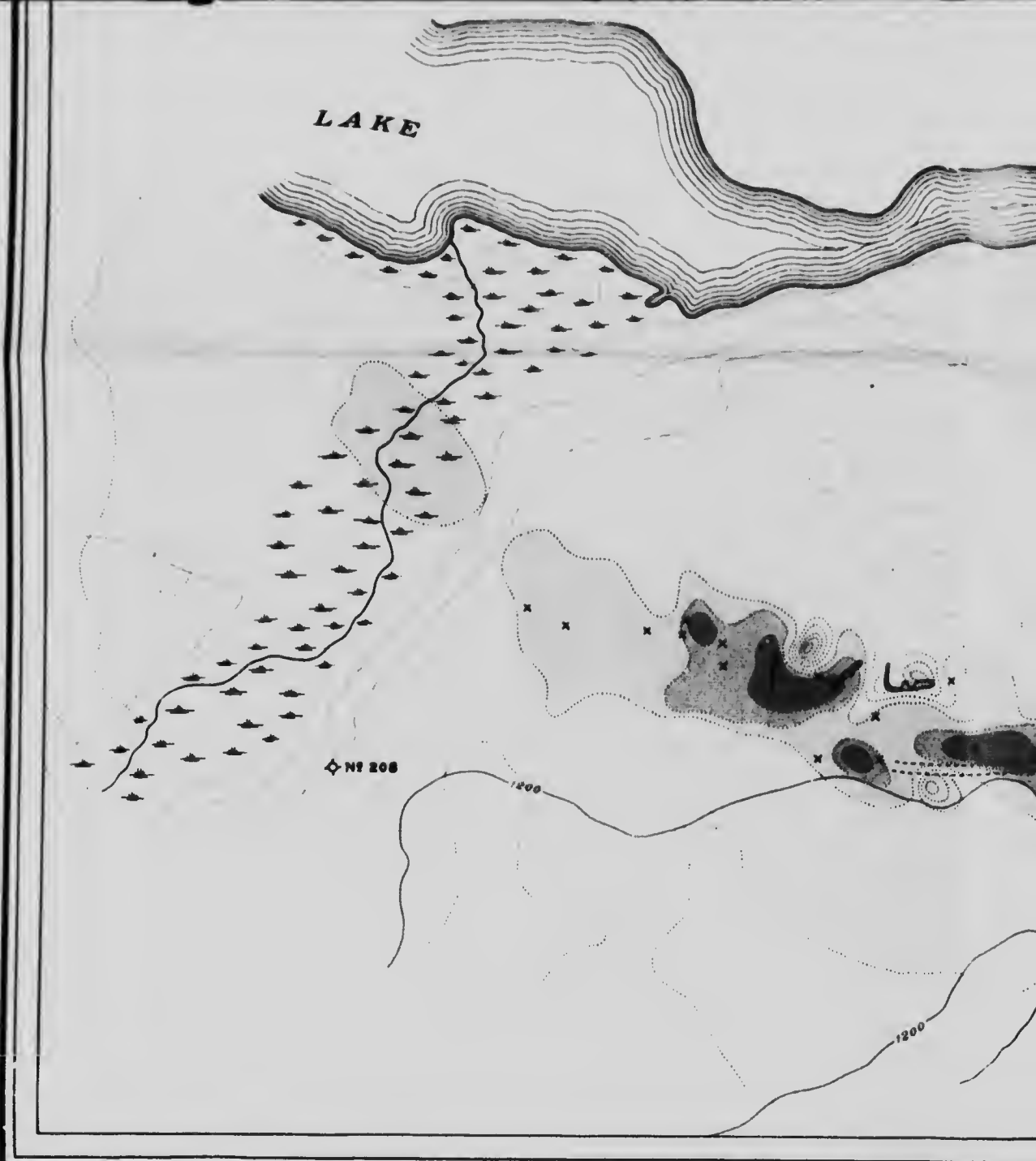


Surveyed by
E. Linden
Assisted by
A. H. R. ...
W. M. ...
W. H. Dav...

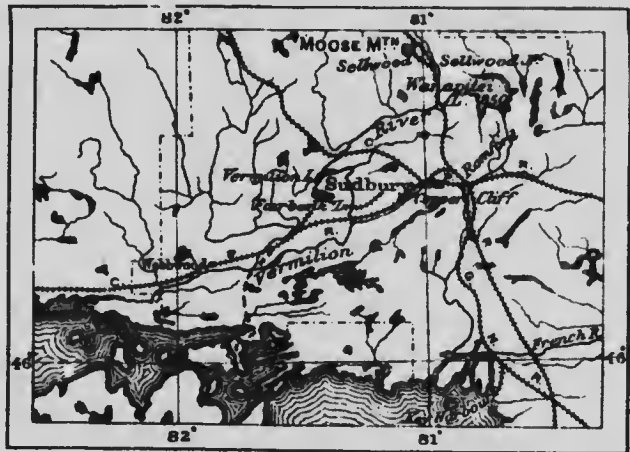
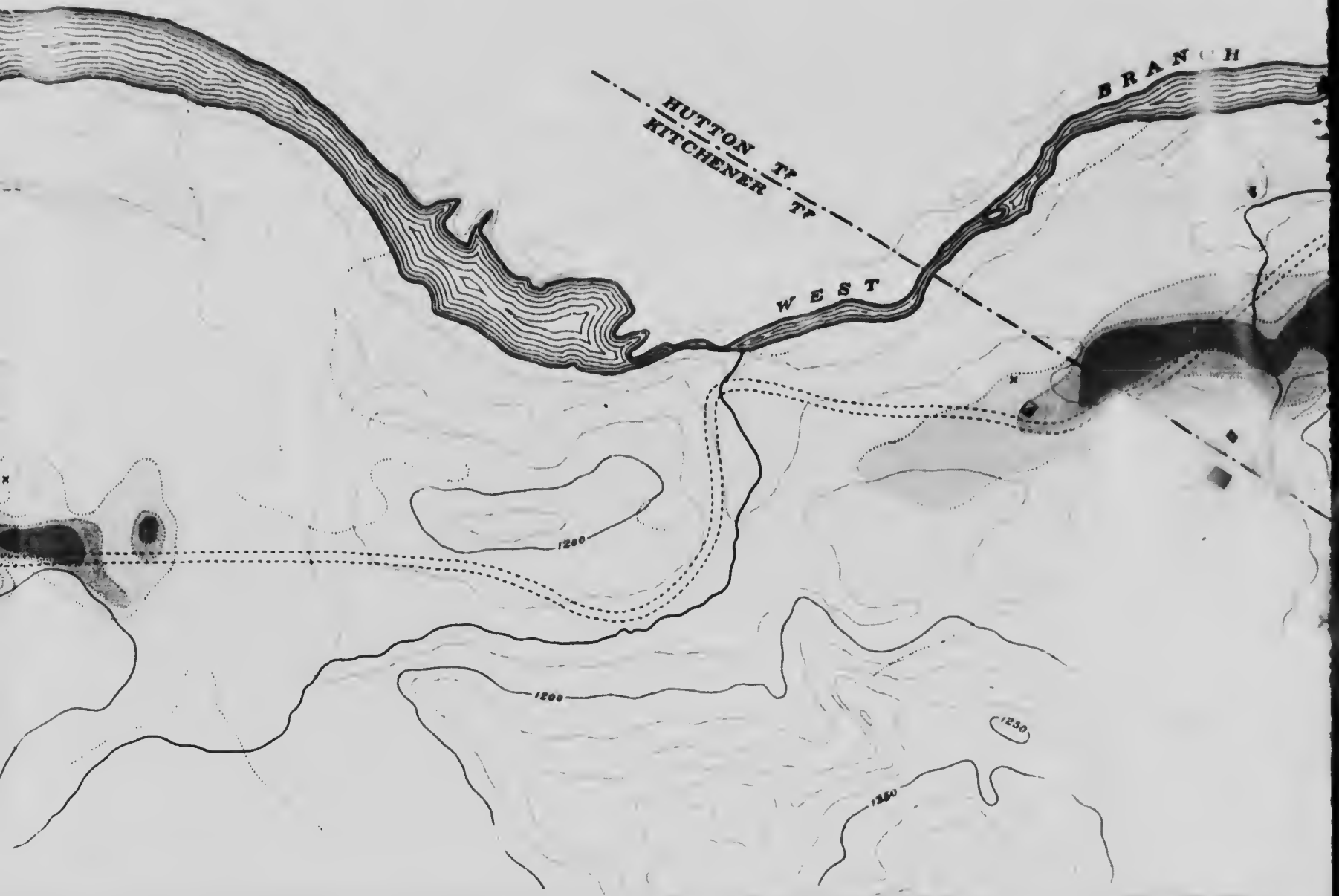




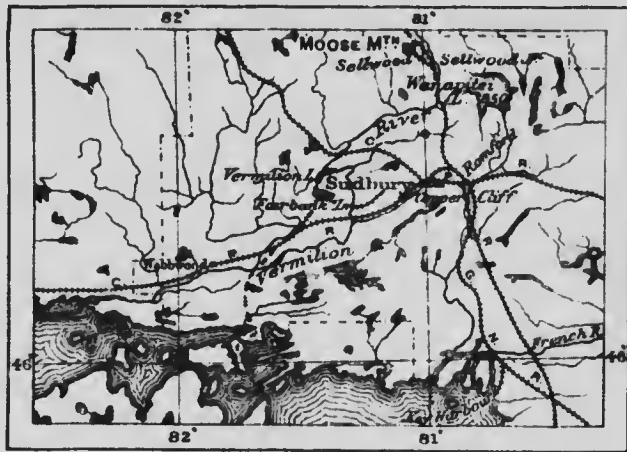
Nº 208[^]



H. E. Baine, Chief Draughtsman
L. H. S. Pereira, Draughtsman



Scale : 35 miles to inch



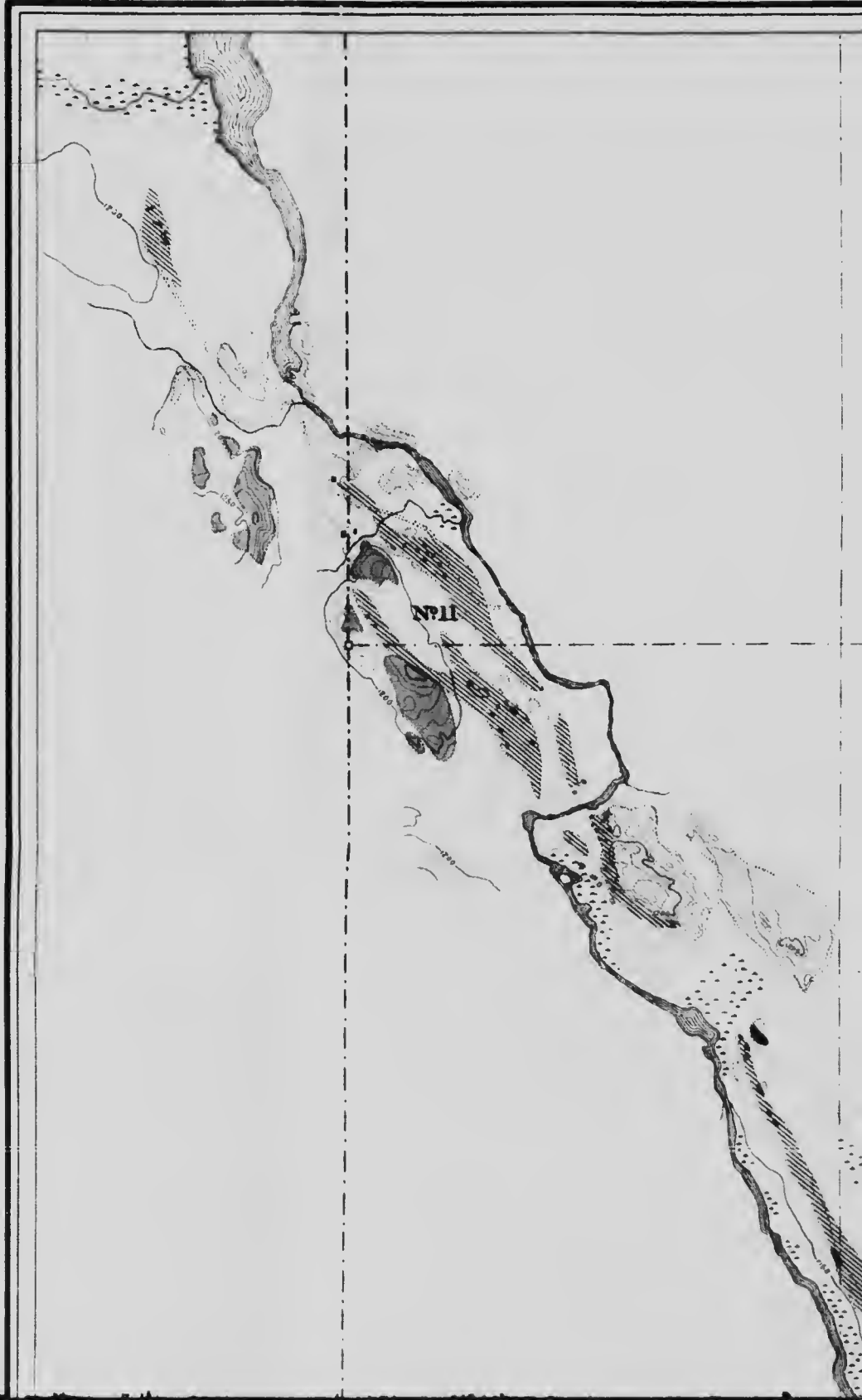
Scale 35 miles to inch



Join Sheet 27

Nº 208

GENERAL GEOLOGICAL MAP



LEGEND



Drift

Canada

DEPARTMENT OF MINES

HON. LOUIS CODERRE, MINISTER; R.W. BROCK, DEPUTY MINISTER
MINES BRANCH
EUGENE HAANEL, PH.D., DIRECTOR

1914

C O N. VI

C O N. V

Nº 11



Canada

DEPARTMENT OF MINES

HON. LOUIS CODERRE, MINISTER; R.W. BROCK, DEPUTY MINISTER
MINES BRANCH

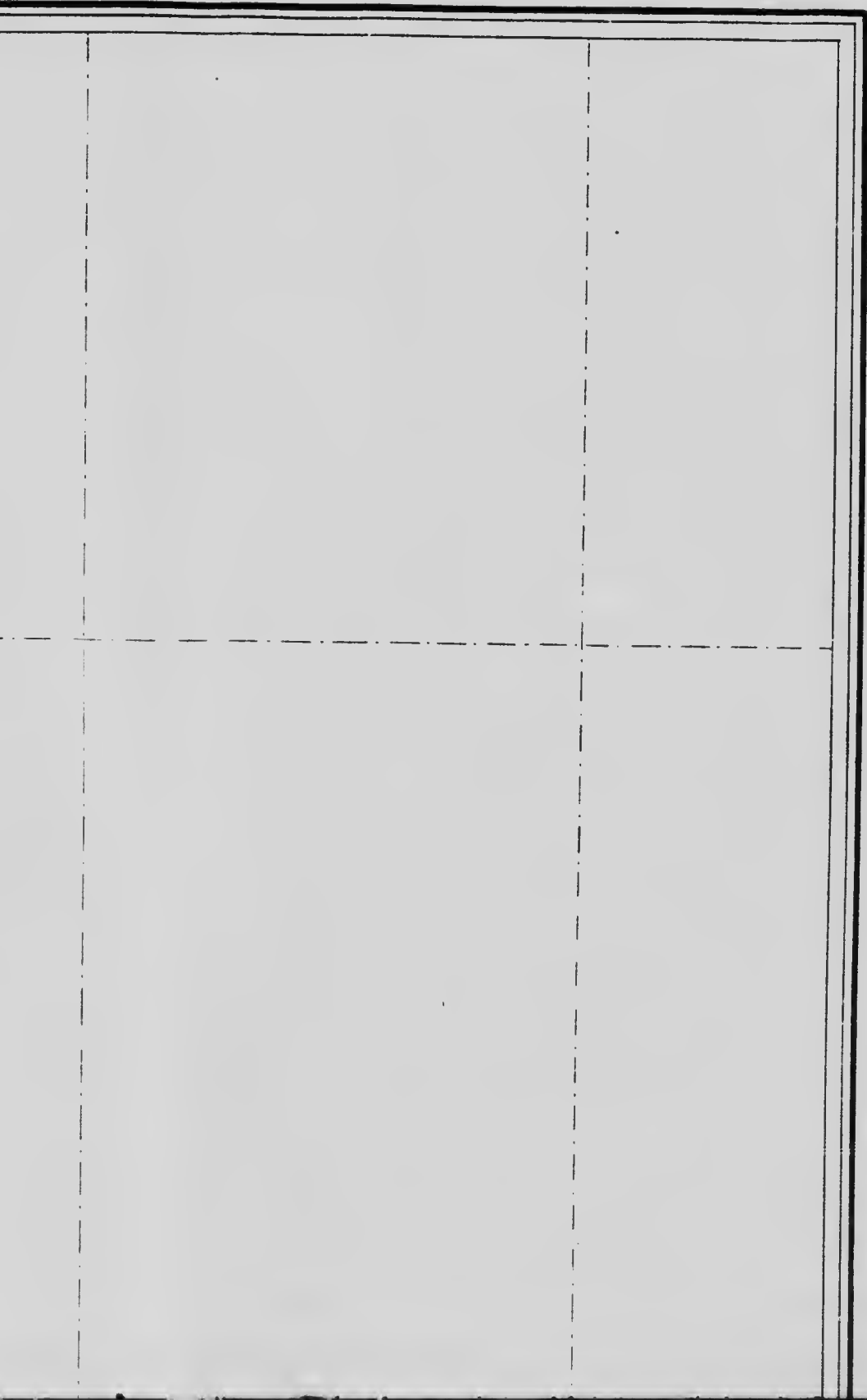
EUGENE HAANEL, PH.D., DIRECTOR

1914

C O N. VI

C O N. V





LEGEND



Roads and buildings










Railways and tramways



Bridges

LEGEND

-  *Drift*
-  *Granite* (*Laurentian*)
-  *Diorite and porphyrite* "
-  *Exposed iron formaton*
-  *Driftcovered area within which iron formaton is likely to occur, indicated by Magnetometric Survey*
-  *Green schist* (*Keewatin*)
-  *Strike and dip*

KITCHENER TOWNSHIP
HUTTON TOWNSHIP

C O N . V

Nº 11

WEST
ARM

11

10

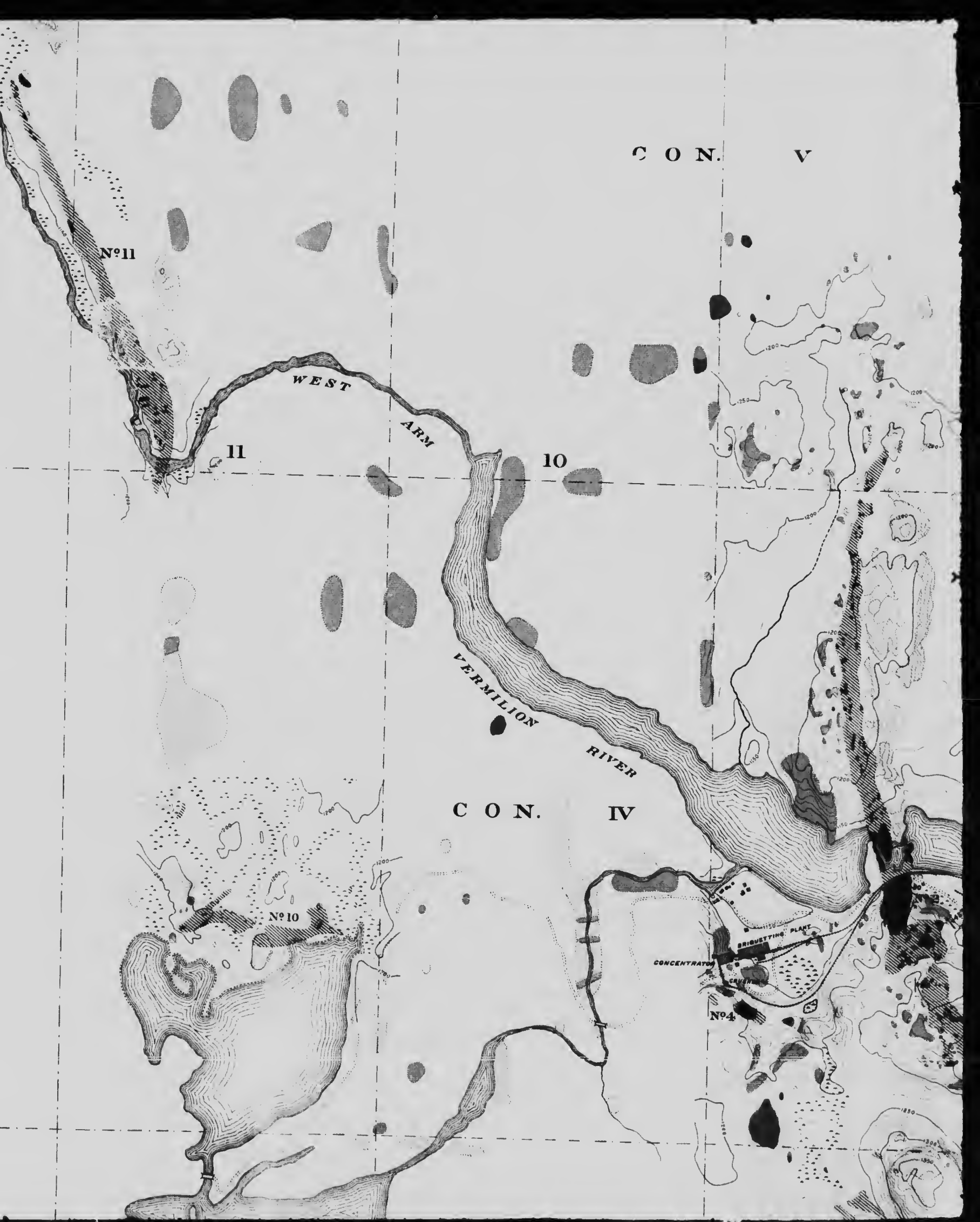
VERMILION
RIVER

C O N . IV












Nº 10

CONCENTRATING
BRICKETTING PLANT

Nº 4



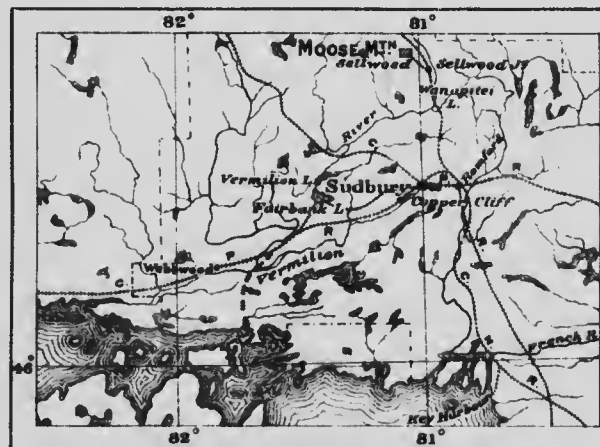
LEGEND

-  *Roads and buildings*
-  *Railways and tramways*
-  *Bridges*
-  *Open cuts*
-  *Strippings*
-  *Dams*
-  *Streams*
-  *Swamps*
-  *Ponds*
-  *Contours, interval 10 feet
Elevation above sea level*
-  *Mine dumps*

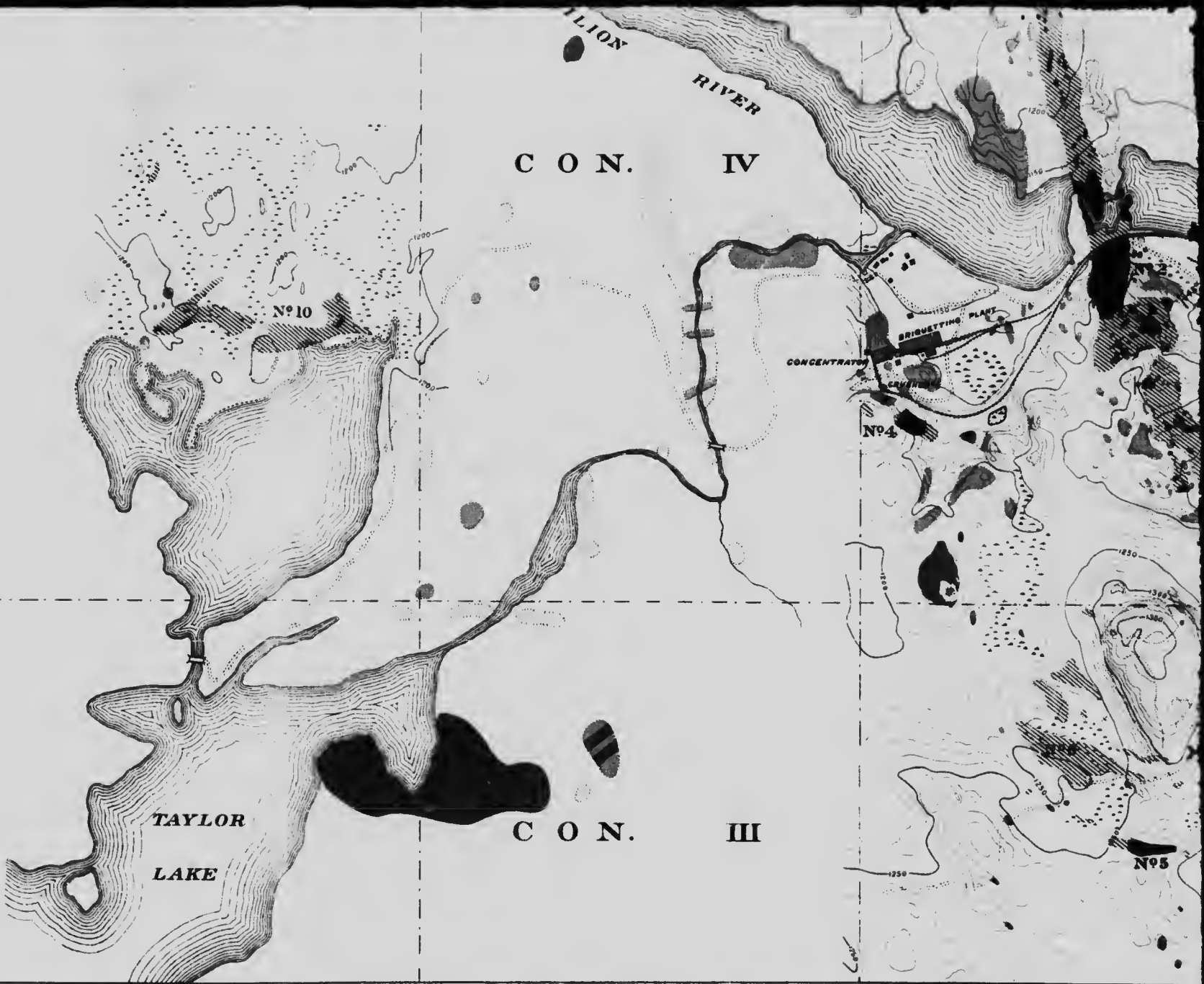
*Contours showing heights above sea-level
based on an elevation supplied by the
Moose Mountain Limited.*



H E Baine. Chief Draughtsman.
L.H.S.Pereira. Draughtsman

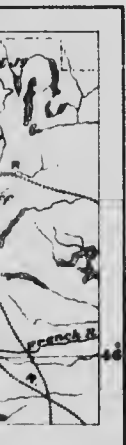


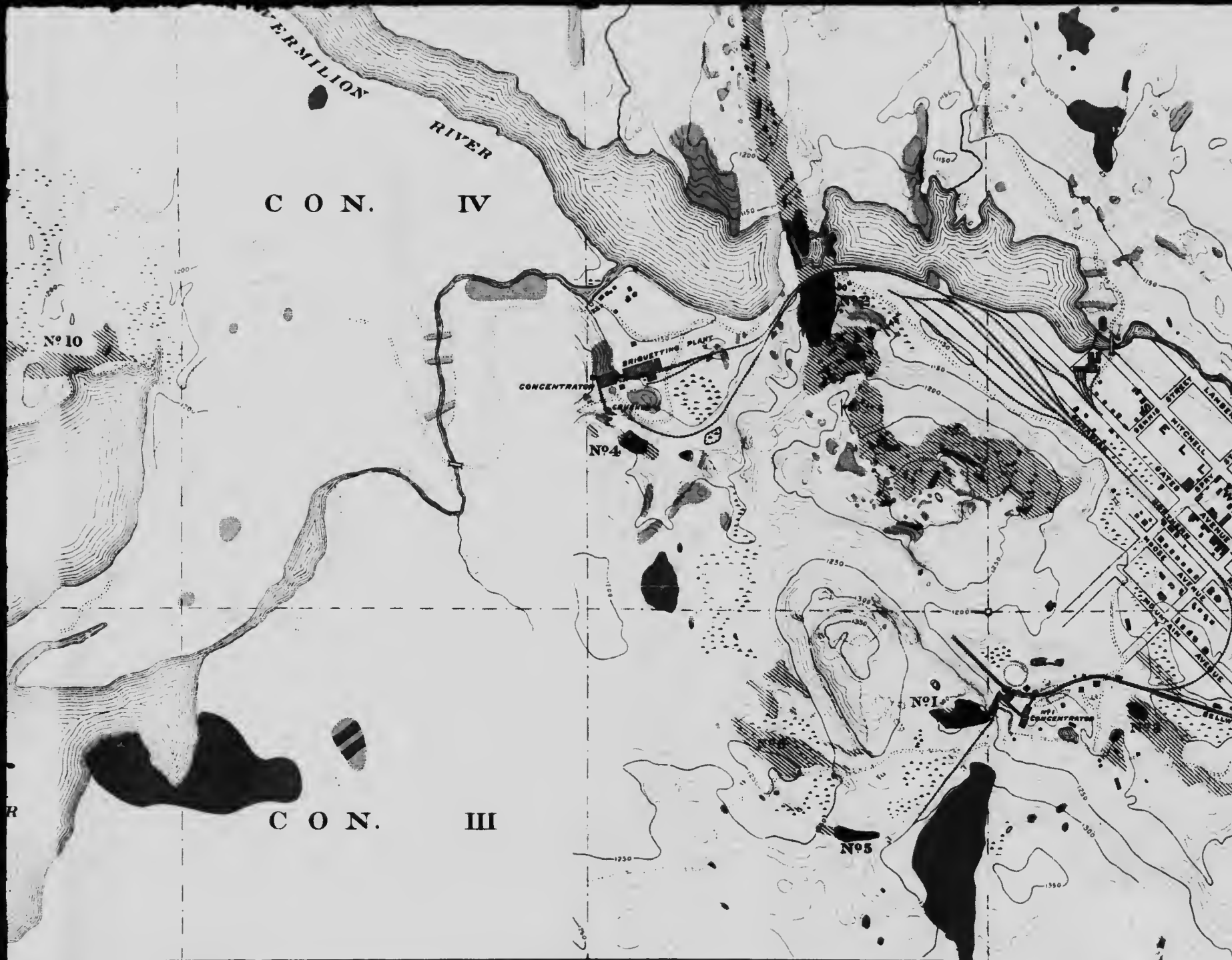
Scale, 35 miles to 1 inch



MOOSE MOUNTAIN IRON BEARING DISTRICT
HUTTON TOWNSHIP, SUDBURY DISTRICT
ONTARIO

Scale, $\frac{1}{8000}$: 800 Feet to 1 Inch



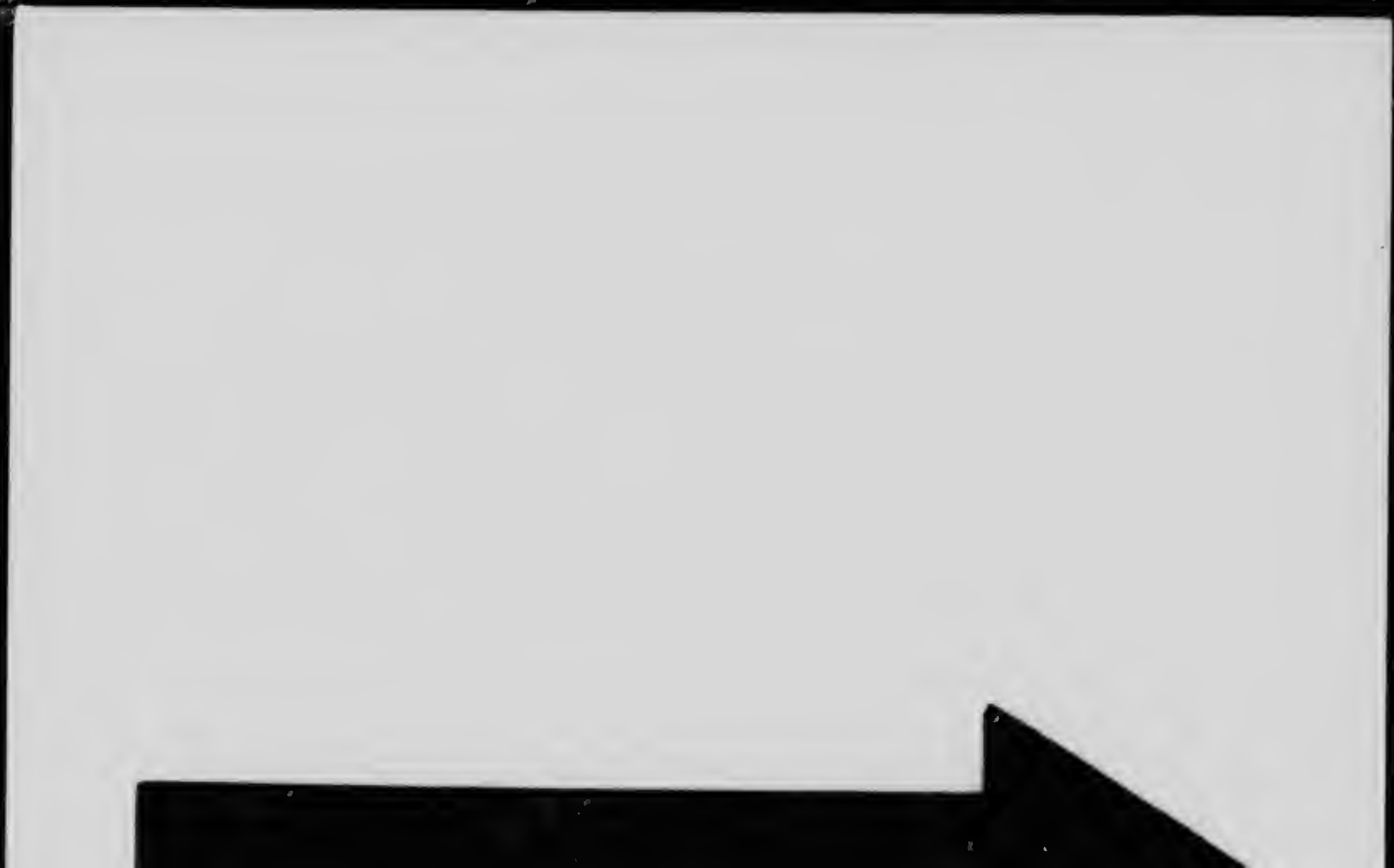


MOOSE MOUNTAIN IRON BEARING DISTRICT
HUTTON TOWNSHIP, SUDBURY DISTRICT
ONTARIO

Scale. $\frac{1}{9600}$: 800 Feet to 1 Inch











GEOLOGICAL MAP

LEGEND

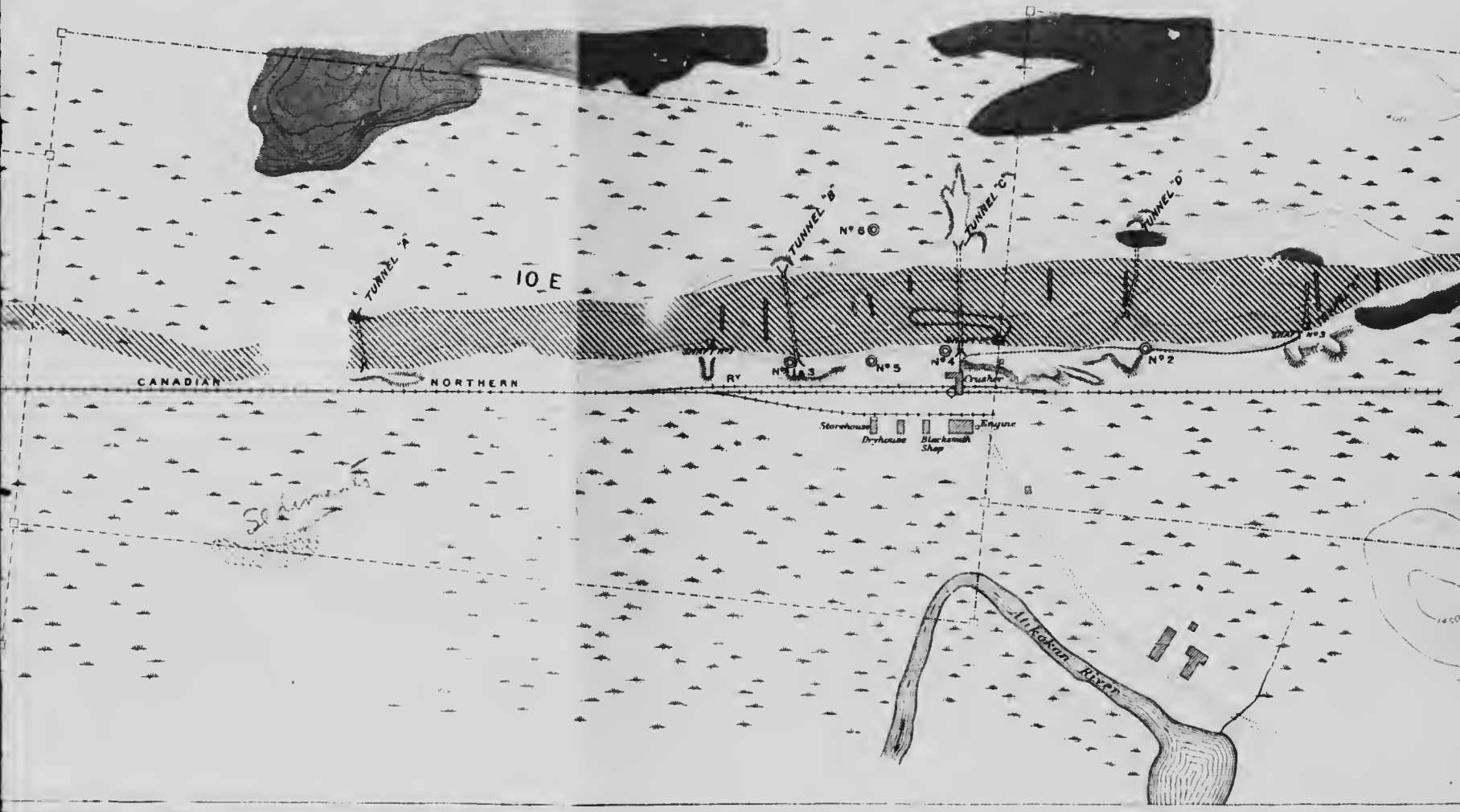
-  Disb
-  Green schists, diorite, porphyrite etc.
-  Grey and grey-green sericitic schists, chlorite schists etc.
-  Area within which magnetite and pyrrhotite are likely to occur, indicated by magnetometric survey



H. F. Baine, Chief Draughtsman
D. Westwood, Draughtsman



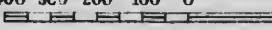
Scale 40 miles to 1 inch



ATIKOKAN IRO
ATIKOKAN IRO
RAINY I

Scale 48

400 300 200 100 0



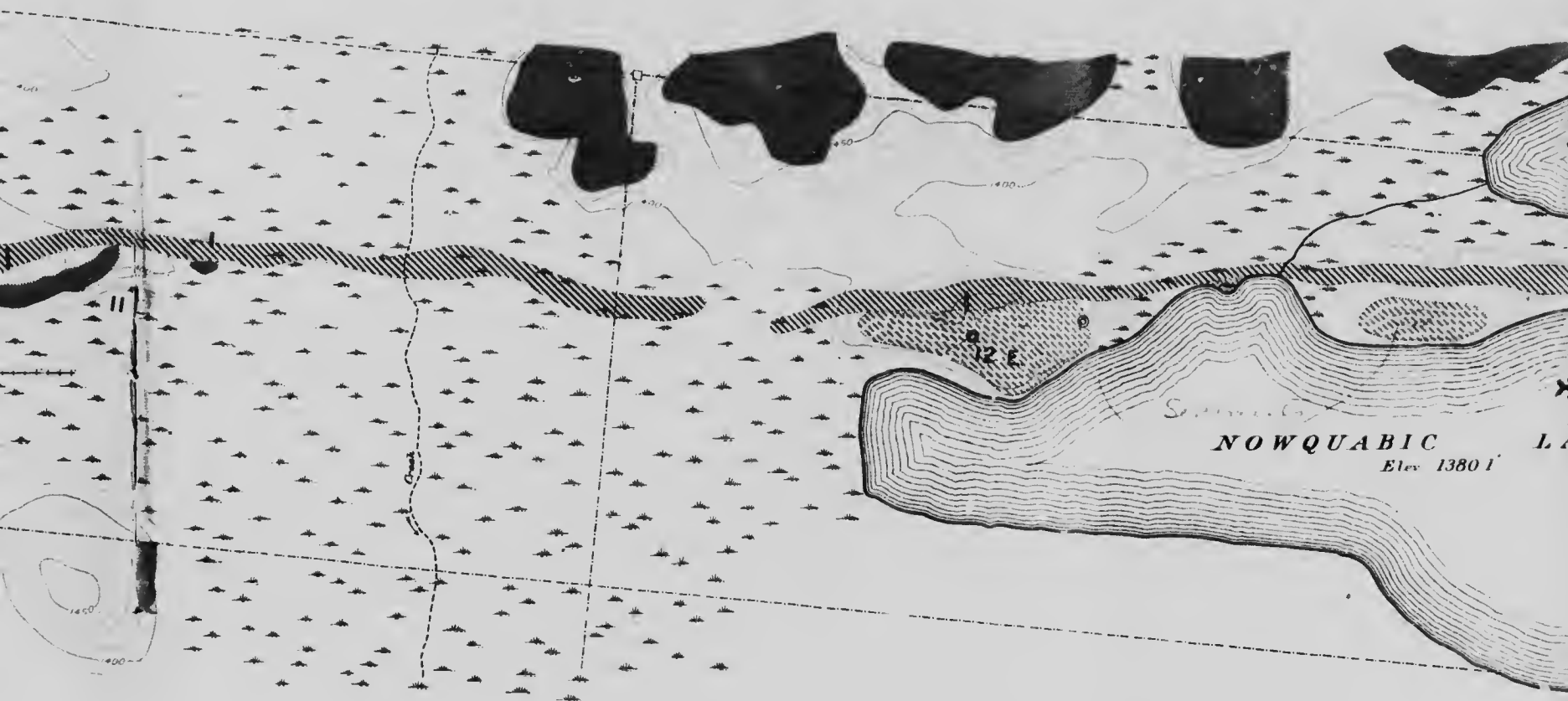
MAP
 BY
 W. H. HARRIS
 1917

CANADA
DEPARTMENT OF MINES
MINES BRANCH

MINISTER: R. G. MCCONNELL, DEPUTY MINISTER.

EUGENE HAANEL, PH. D. DIRECTOR

1915



IRON-BEARING DISTRICT

AN IRON MINE AND VICINITY

RAINY RIVER DISTRICT

ONTARIO

Scale $\frac{1}{4800}$: 400 Feet to 1 inch



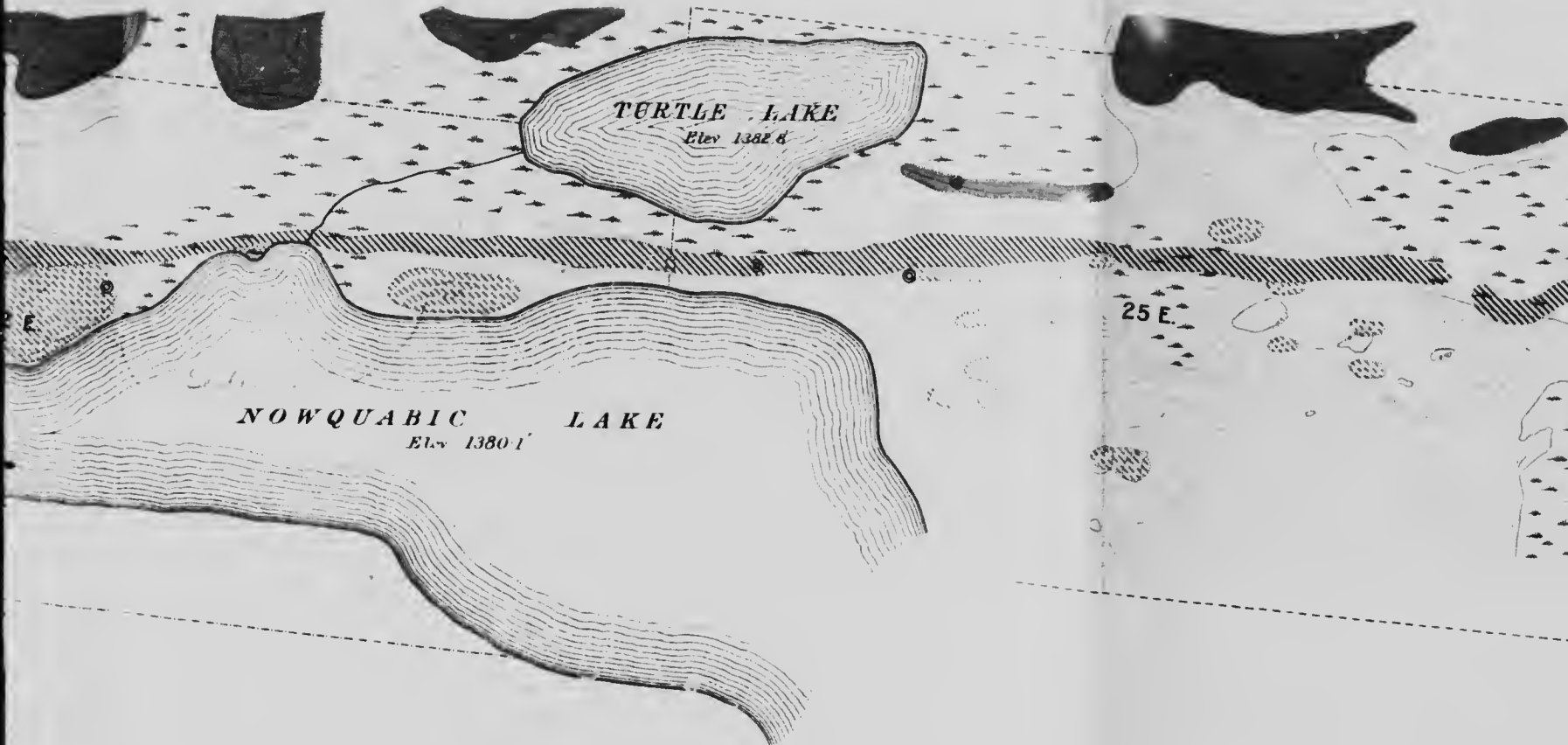
TURTLE LAKE

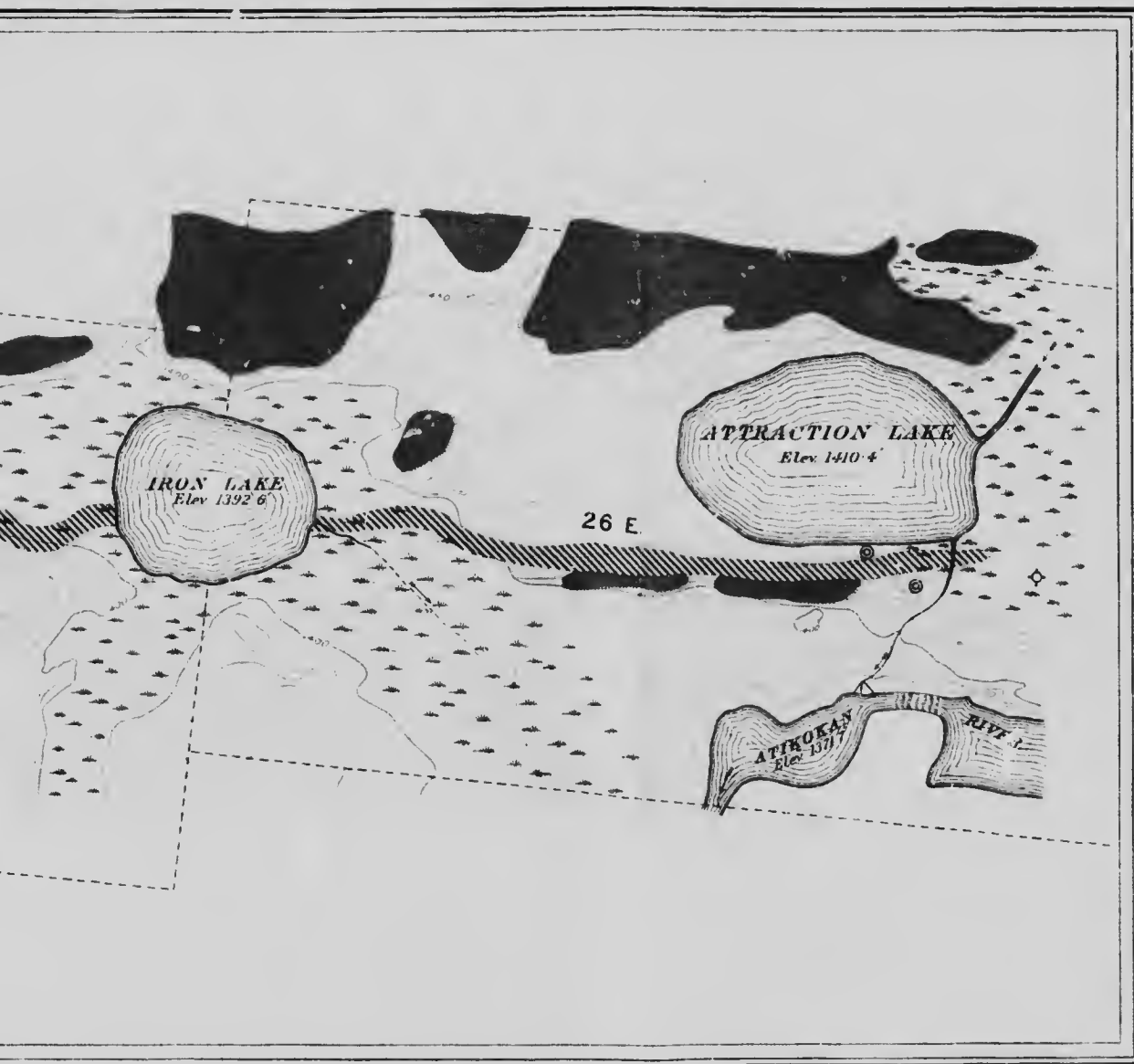
Elev 1382.8

NOWQUABIC LAKE

Elev 1380.1

25 E





- LEGEND**
- Roads and buildings
 - Corner posts and claim boundaries
 - Claim boundaries, not well defined
 - 400 R Claim numbers
 - Reference posts
 - Railways
 - Mine tramway
 - Bridges
 - Diamond drill hole
 - Shafts
 - Tunnels
 - Open cuts and trenches
 - Streams
 - Swamps
 - Contours, interval 10 feet
Elevation above sea level
 - Depression contours
 - Mine dumps

Contours showing heights above sea level based on elevation taken from C.N.R.

340*

A.H.A. Robinson, 1914

J. Hawley

MAGNETOMETRIC MAP



CANADA
DEPARTMENT OF MINES
MINES BRANCH

HON. E. L. PATENAUDE, MINISTER; R. G. MCCONNELL, DEPUTY MINISTER.
EUGENE HAANEL, PH. D., DIRECTOR

1917

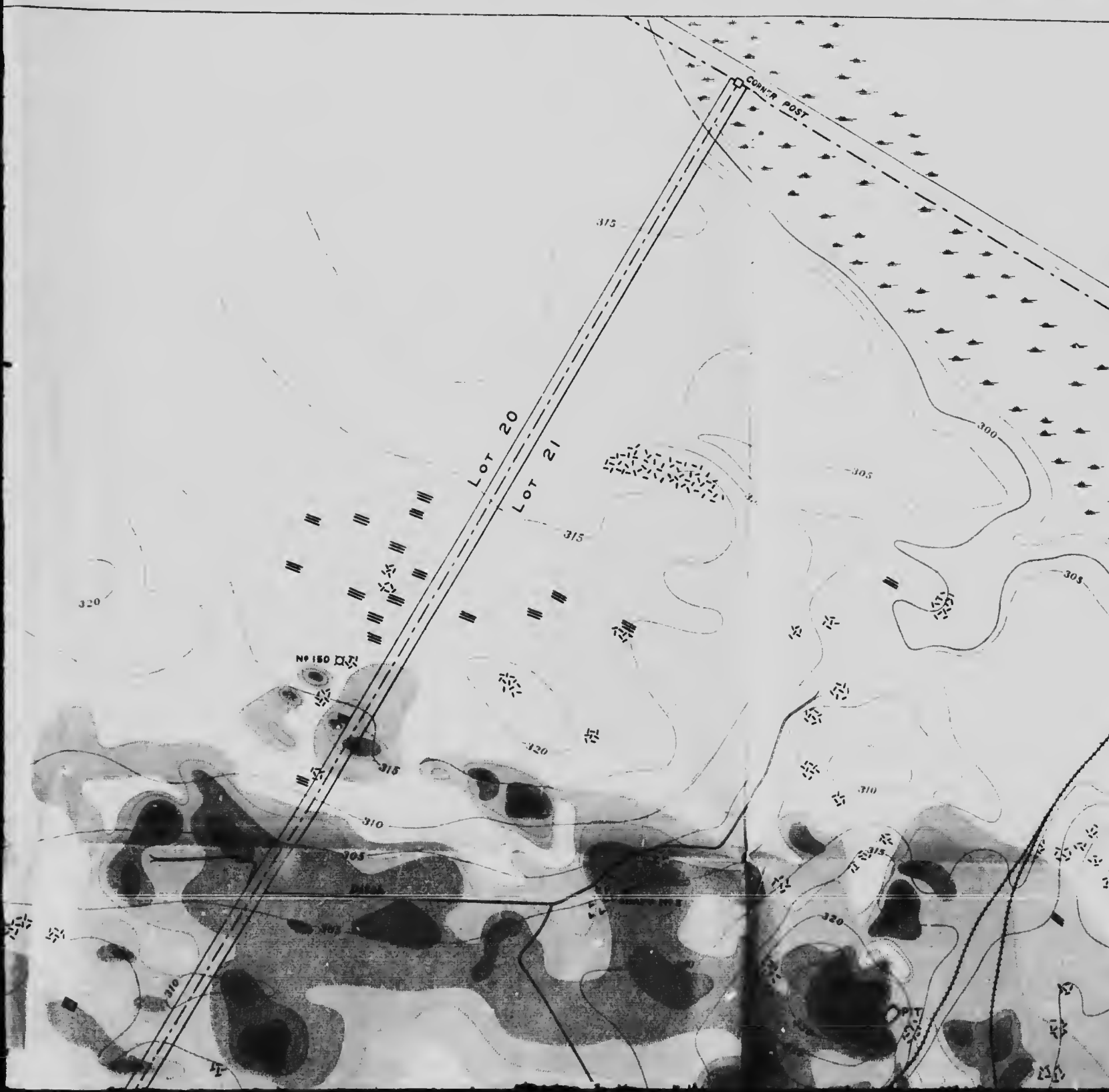


CANADA
DEPARTMENT OF MINES
MINES BRANCH

HON. E. L. PATENAILL, MINISTER. R. G. MCCONNELL, DEPUTY MINISTER.
EUGENE HAANEL, PH. D., DIRECTOR

1917

Ast. North






















S

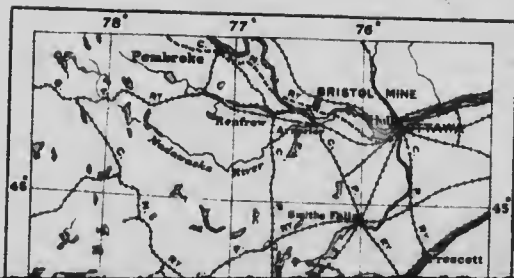
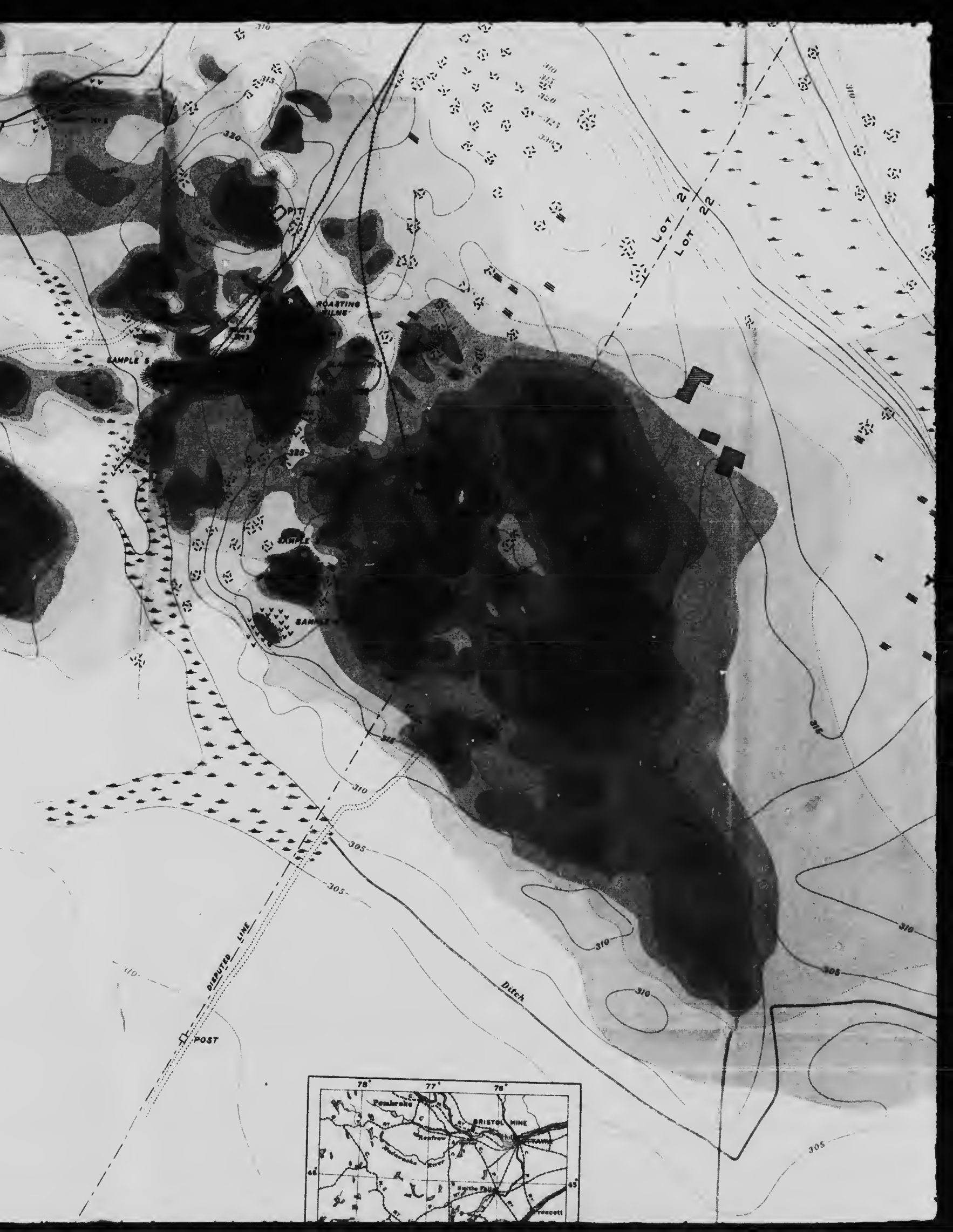
MINISTER.





LEGEND

- | | | | |
|---|--|---|--|
|  | <i>Isodynamic lines of the vertical magnetic intensity</i> |  | <i>Roads and buildings</i> |
| Positive Intensity | |  | <i>Corner posts and Lot lines</i> |
|  | <i>Magnetic attraction greater than 50°</i> |  | <i>Reference posts</i> |
|  | <i>between 40° - 50°</i> |  | <i>Railway</i> |
|  | <i>" 30° - 40°</i> |  | <i>Shafts</i> |
|  | <i>" 20° - 30°</i> |  | <i>Open cuts and pits</i> |
|  | <i>" 10° - 20°</i> |  | <i>Swamps</i> |
|  | <i>" 0° - 10°</i> |  | <i>Contours, interval 5 feet
Elevation above sea-level</i> |
| Negative Intensity | |  | <i>Mine dumps</i> |
|  | <i>between 0° - -10°</i> |  | <i>Rock dumps</i> |
|  | <i>" -10° - -20°</i> | | |













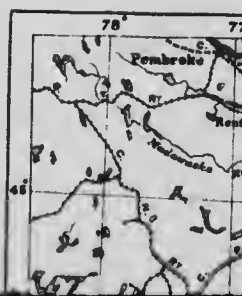


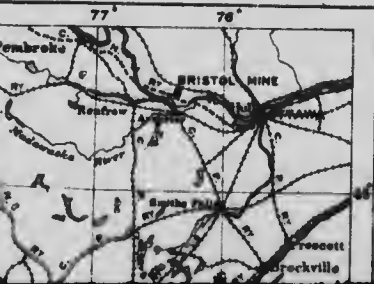
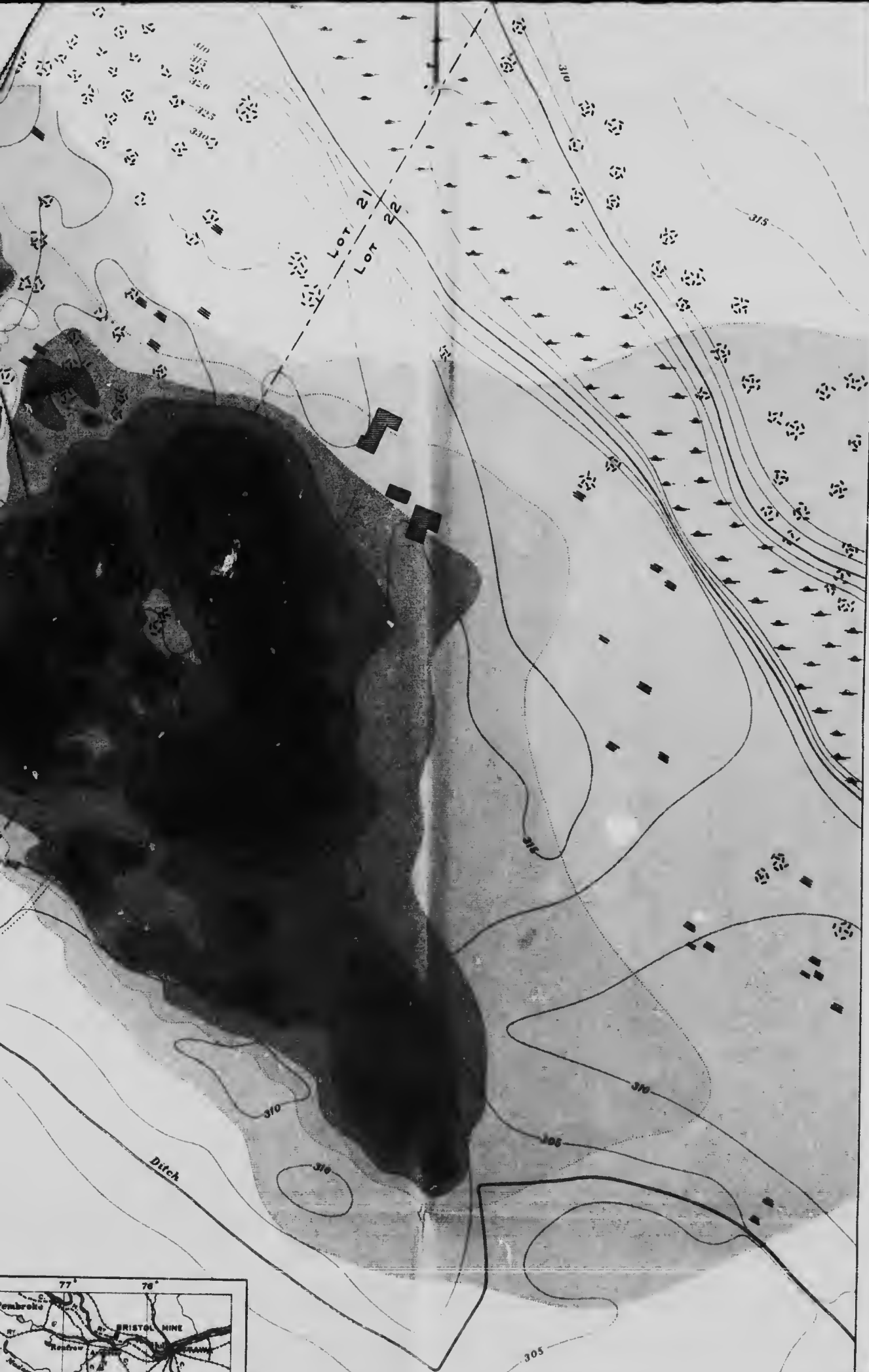
LEGEND

Isodynamic lines of the vertical magnetic intensity

Intensity	
Magnetic attraction greater than 50°	
between 40° — 50°	
" 30° — 40°	
" 20° — 30°	
" 10° — 20°	
" 0° — 10°	
Intensity	
between 0° — -10°	
" -10° — -20°	

























-  Roads and buildings
-  Corner posts and Lot lines
-  Reference post
-  Railway
-  Shafts
-  Open cuts and pits
-  Swamps
-  Contours, interval 5 feet
Elevation above sea-level
-  Mine dumps
-  Rock dumps





110

LEGEND

	<i>Isodynamic lines of the vertical magnetic intensity</i>		<i>Roads and buildings</i>
Positive Intensity			<i>Corner posts and Lot lines</i>
	<i>Magnetic attraction greater than 50°</i>		<i>Reference posts</i>
	<i>between 40° - 50°</i>		<i>Railway</i>
	<i>" 30° - 40°</i>		<i>Shafts</i>
	<i>" 20° - 30°</i>		<i>Open cuts and pits</i>
	<i>" 10° - 20°</i>		<i>Swamps</i>
	<i>" 0° - 10°</i>		<i>Contours, interval 5 feet Elevation above sea-level</i>
Negative Intensity			<i>Mine dumps</i>
	<i>between 0° - -10°</i>		<i>Rack dumps</i>
	<i>" -10° - -20°</i>		<i>Magnetite</i>
	<i>Magnetic attraction greater than -20°</i>		<i>Crystalline limestone</i>
<i>Magnetic declination about 11° west</i>			<i>Amphibolites, schists etc.</i>
			<i>Granite and gneiss</i>

H. E. Baine, Chief Draughtsman
L. H. S. Pereira, Draughtsman



SECO
Surveyed

BRISTOL MINE

LOTS 21 AND 22 RANGE 2. TOWNSHIP OF BRISTOL
PONTIAC COUNTY
QUEBEC



LEGEND

of the vertical
by

tion greater than 50°

40° - 50°

30° - 40°

20° - 30°















10° - 20°

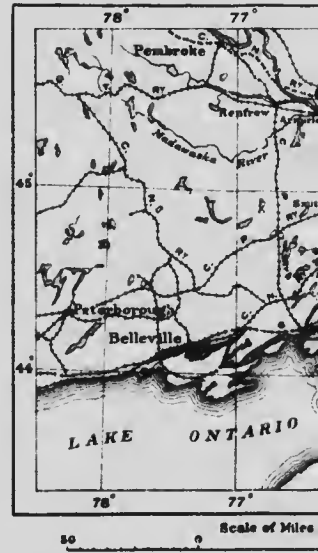
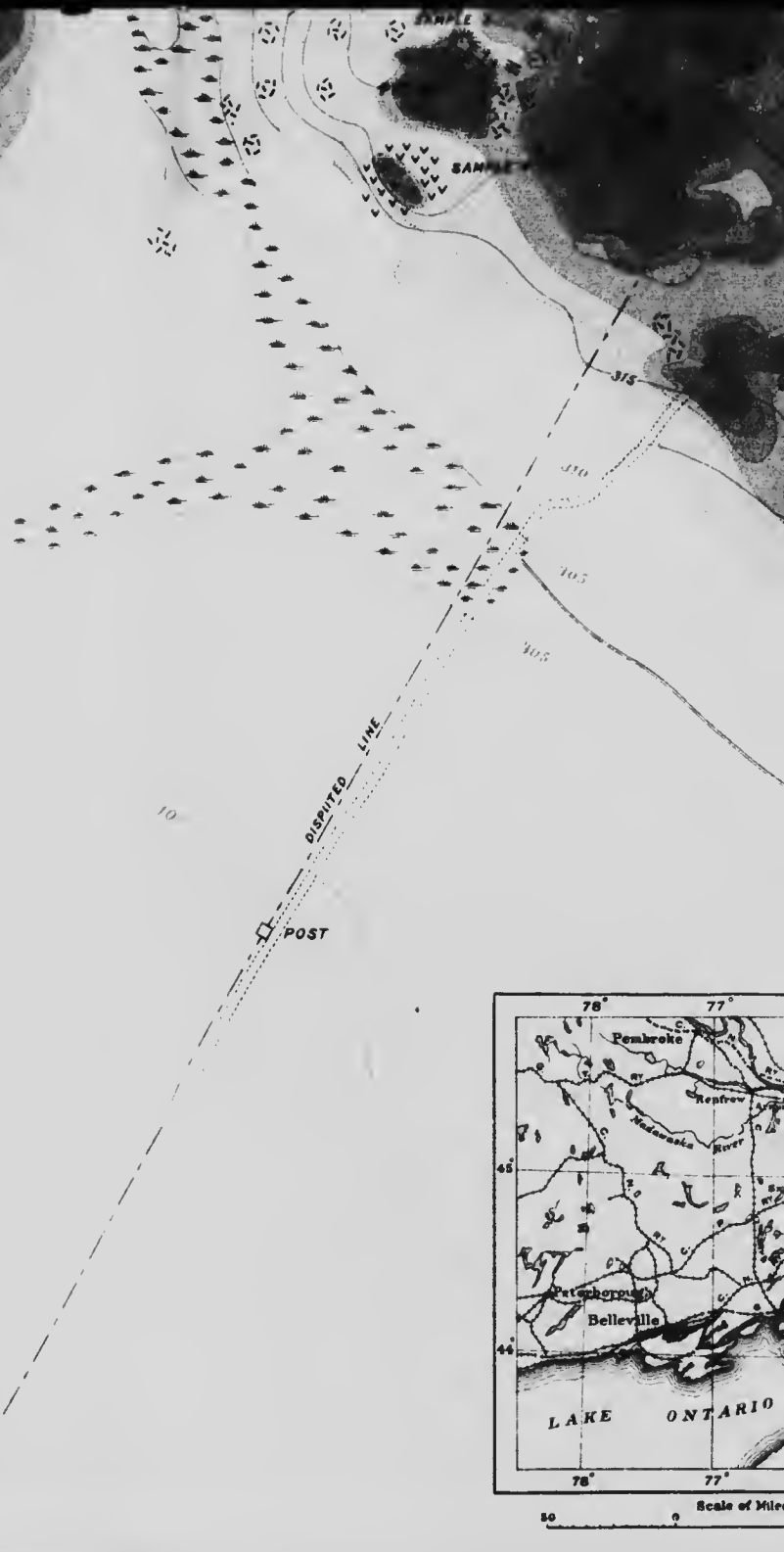
0° - 10°

0° - -10°

-10° - -20°

tion greater than -20°

-  Roads and buildings
-  Corner posts and Lot lines
-  Reference points
-  Railway
-  Shafts
-  Open cuts and pits
-  Swamps
-  Contours, interval 5 feet
Elevation above sea-level
-  Mine dumps
-  Rock dumps
-  Magnetite
-  Crystalline limestone
-  Amphibolites, schists etc.
-  Granite and gneiss



BRISTOL MINE

LOTS 21 AND 22 RANGE 2. TOWNSHIP OF BRISTOL
PONTIAC COUNTY
QUEBEC

