

① F=0
 ② F=0
 ③ F=0

ONT

1. DATE AND TIME TUESDAY AUGUST 15, 1978 ① 1600 EDT ② 1600 EDT ③ 0130 EDT

2. LOCATION OR PATH (attach map) ① COLD CREEK CONSERVATION AREA (S-N) TO VICINITY OF LLOYD TOWN 0977-2
 ② VENTY MONO ROAD STN (SSW-NNE) 0978-2
 ③ SAULT STE MARIE 0979-2

3. PATH LENGTH NOT KNOWN <1mi; 1-4mi; 5-10mi; 11-50mi; LENGTH IF >50mi

4. PATH WIDTH ① 500-600 FT ② 300-400 FT 5. TORNADO PART OF SQUALL LINE? YES; NO; UNKNOWN:

6. ANY UNUSUAL COLORATION? YES; NO; UNKNOWN

7. ANY UNUSUAL SOUND? YES; NO; UNKNOWN

8. IF ANSWER TO 6 OR 7 YES, ELABORATE;

9. LIST ANY ASSOCIATED PHENOMENA ① THUMBNAILED HAIL (Such as hail, vivid lightning heavy rain, no rain, etc.) ② 4.5" rain measured in plastic measuring mounted on fence. Small hail.

10. TOTAL DAMAGE ESTIMATE \$ 11. TOTAL DEATHS NONE

12. TOTAL INJURED NONE 13. TOTAL HOMELESS NONE

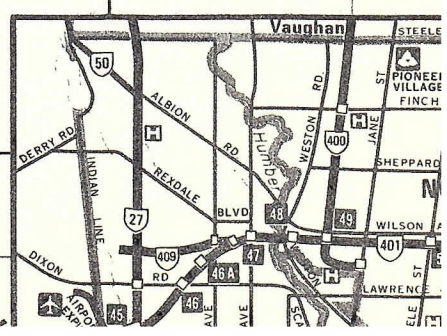
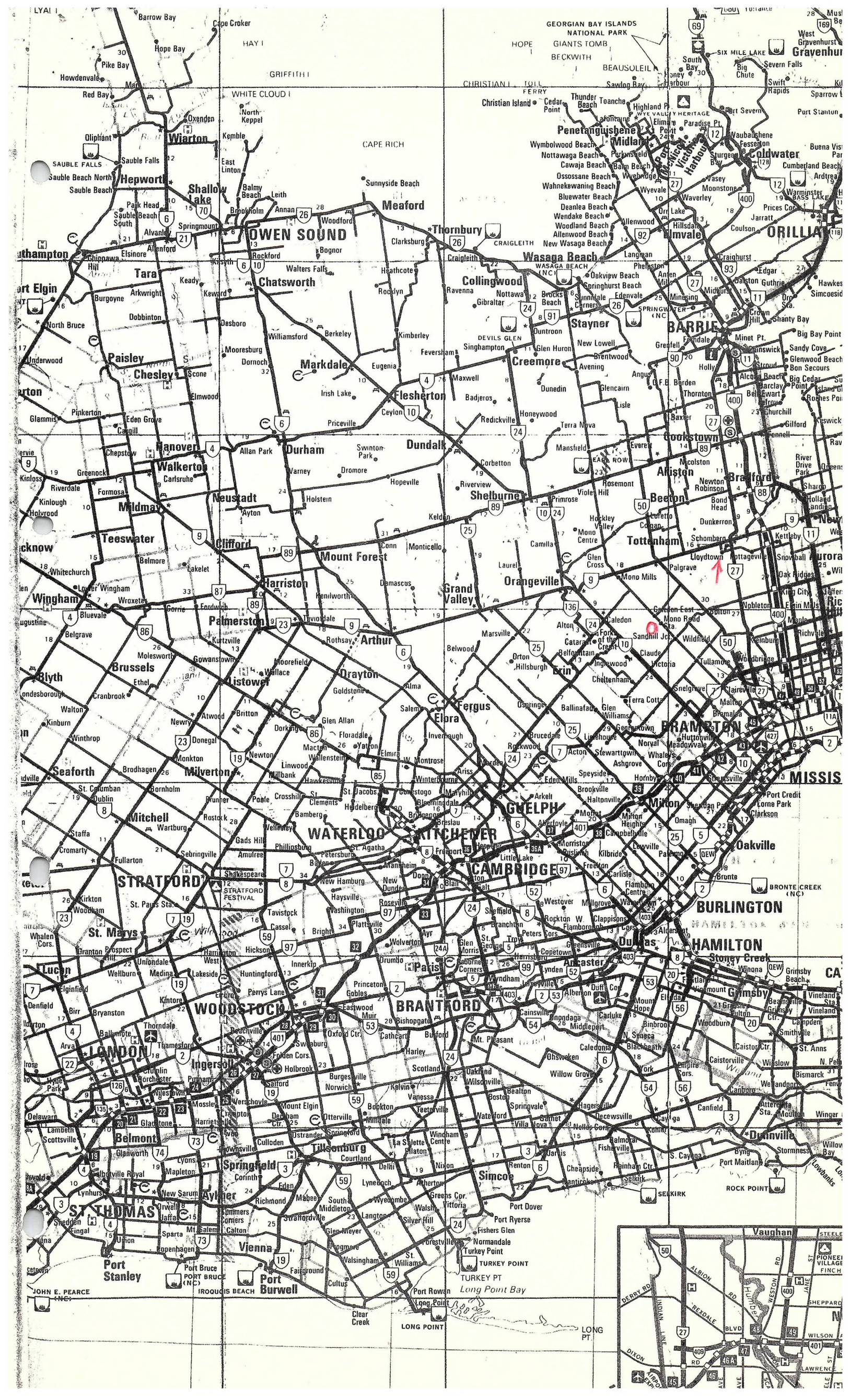
14. LIST ALL REFERENCES
 ① VISITED BY NEWARK & ELMS SAT AUG 19, 1978
 ② VISITED BY ELMS MON AUG 21, 1978.
 KINGSTON WHIS STANDARD, AUG 17, 1978.
 TORONTO STAR, AUG 16, 78.
 SAULT STE MARIE STAR, AUG 16, 17, 1978.

15. SUMMARIZE REMARKS PERTAINING TO (a) FUNNEL; (b) INTERESTING OR CAPRICIOUS EVENTS.

1(a) rain too heavy and no reports of funnel.
 2(a) no reports.

1(b) Farm equipment ^{and machinery} carried or pushed several hundred feet. At the farm of Art Richards (16th sideway & 11th con King) a 5 ton forage wagon carried around a silo and deposited on a harvester. At Delmas (17th & 11th con King) a steel frame garage 75'x30'x20' pushed 5 or 6ft off its foundation and collapsed onto a car. Barn roofing ripped off. Very few trees in the area but some broken trees noted.

2(b) Heavy farm equipment overturned. Barns damaged. Trees broken, and uprooted. Glass broken outwards and a board (1"x2"x4') pierced through roof.



JOHN E. PEARCE

Mono Rd. Stn. - Sandhill

WORKSHEET

IDTO 0697825

① ORIGIN x 17590750
 y 4854800

C30
 ⑤ Standard Error S_x

② LIFT-OFF x_1 17595400
 y_1 4853400

C50
 ⑥ Standard Error S_y

③ $(x_1 - x) = 4650$

④ $(y - y_1) = 1400$

⑦ DAMAGE LENGTH

$$L = [(x_1 - x)^2 + (y - y_1)^2]^{1/2}$$

⑧ $\alpha = \tan^{-1} \frac{|y - y_1|}{|x - x_1|}$

③+④ $\rightarrow r, \theta = 4856 \text{ m}$

$x \leftrightarrow y = 17^\circ$

⑨ Standard Error $S_L = (S_x^2 + S_y^2)^{1/2}$

⑤+⑥ $\rightarrow r, \theta = 58 \text{ m C}$

⑩ $\beta = \frac{\tan^{-1} S_L}{L}$

⑦+⑨ $\rightarrow r, \theta$
 $x \leftrightarrow y = 1^\circ$

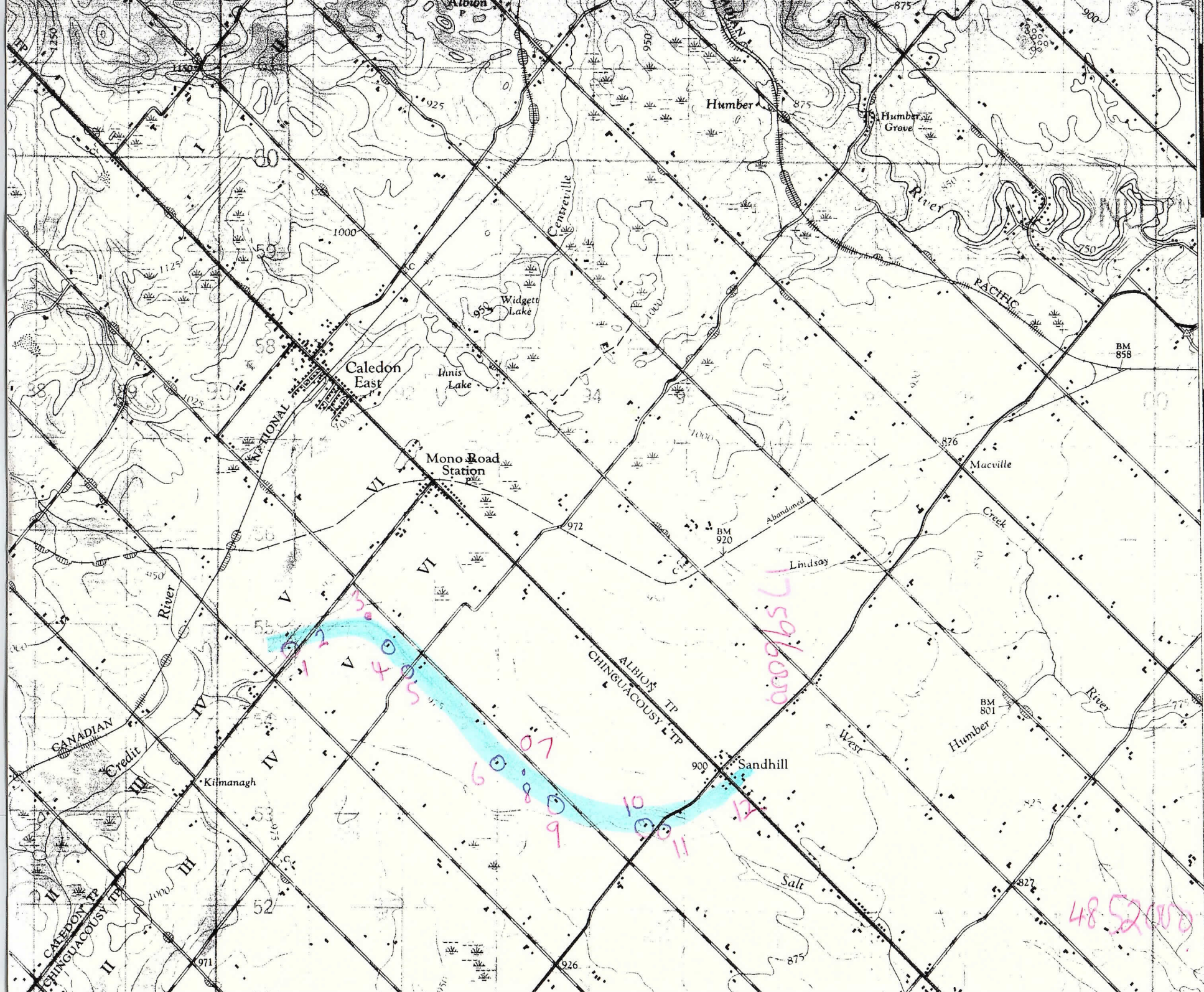
NE Quad $\phi = 90 - \alpha$

SE quad $\phi = 90 + \alpha$

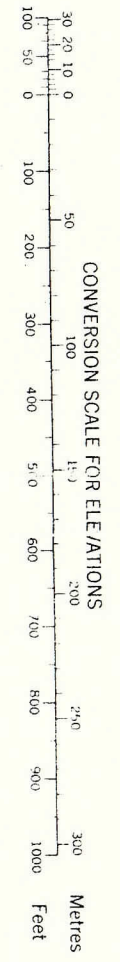
NW Quad $\phi = 270 + \alpha$

SW quad $\phi = 270 - \alpha$

⑪ $\phi = 287^\circ$



61
 Bolton 1m
 To Toronto
 Wildfield 2m
 50

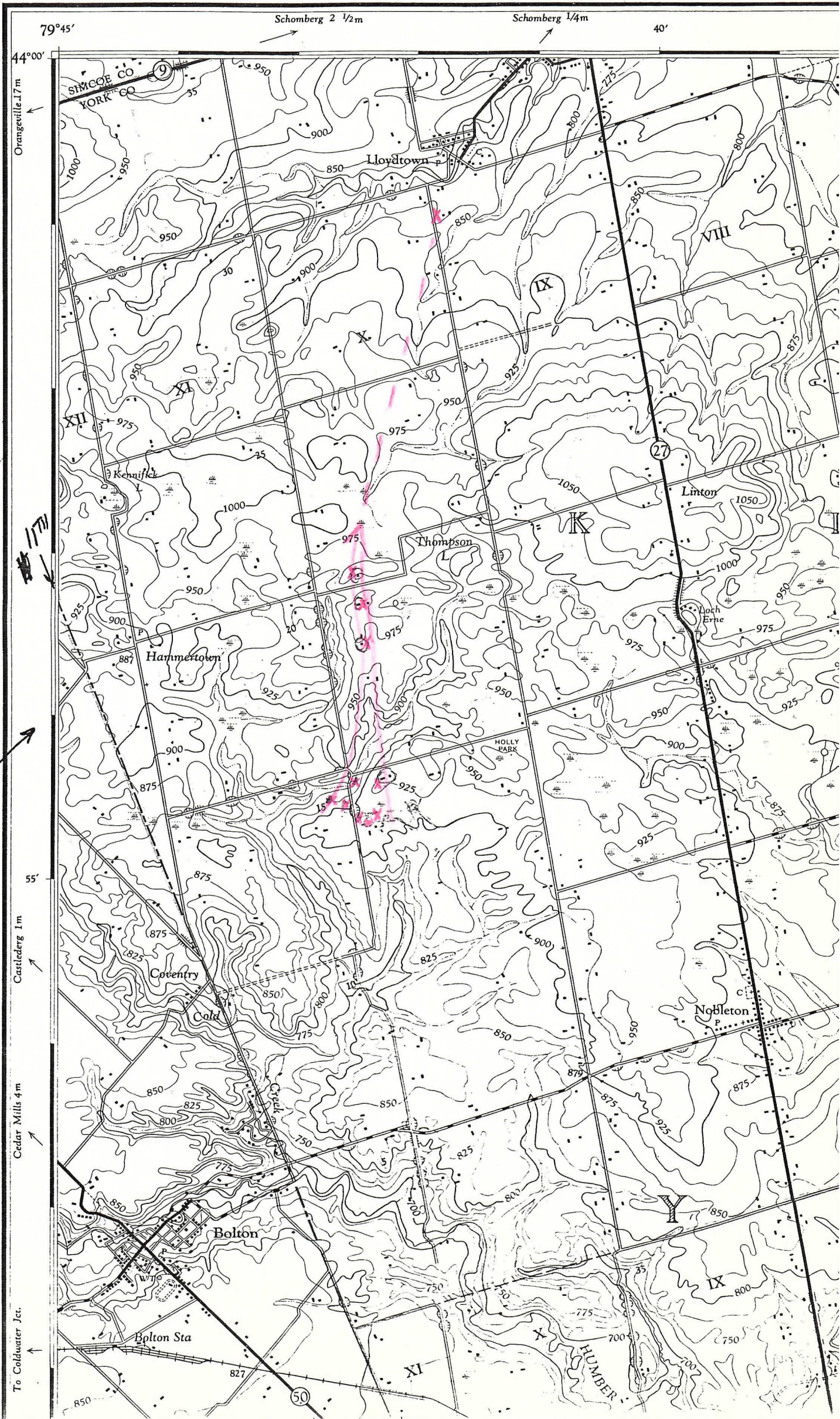


T.N
 0 47' or 14 Mils
 7 57' or 141 Mils
 Magnetic North
 Grid North

4852000

17596000

1
2
3
4
5
6
7
8
9
10
11
12

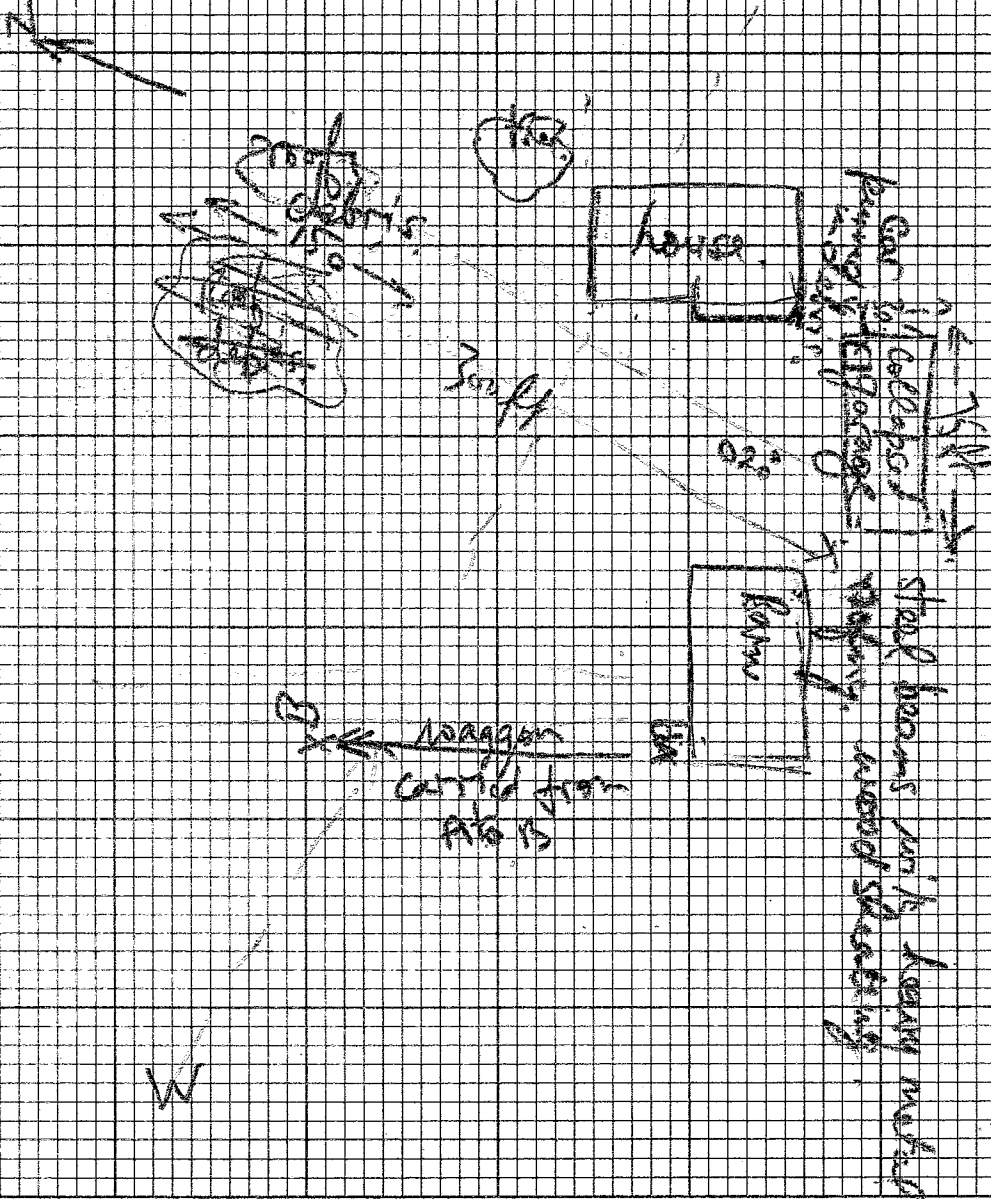


Storm date: used Aug 16, 1978. Vicinity Hammetton,

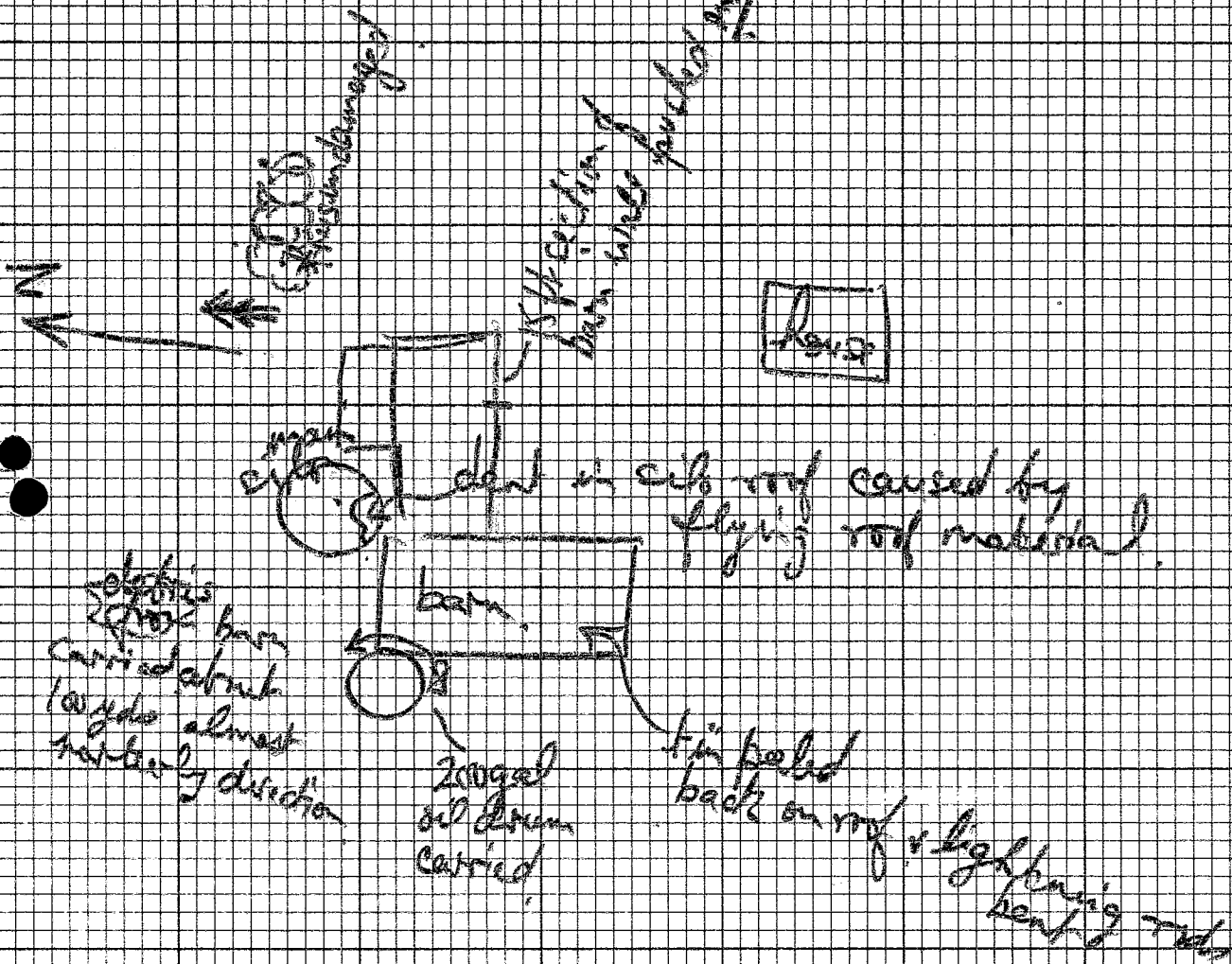
Time: 4⁰⁰ (1600 GMT)

Delmas. 17th sideroad King trap (York Region)
and 11th conc.

From Delmas outside in yard at time of the storm sky
became very black, dry rain then, & numerous size hail.
She saw garage blown over when storm was finished in
a couple of minutes. Garage pushed off its foundation
about 5 ft towards the north.



Time about 4:05 PM
Only directly across the road from Delmas.
17 sideroad King bus
+ 11th conc. damage width
about 500-600 ft.



McGuire next neighbor to the north.

RAF Perkins
next neighbor
west of you to
west.

Ant Richards

Lot 15 conc. 10
16 1/2 x 1 1/2 conc.
2 wood

- 5th forage wagon carried several yards towards
- feed rack carried about 50 yds } the north