

TORNADO PROJECT SUMMARY SHEET

① F = 1 (PE. NOV. 18 80).
② F = 1
ONT

1. DATE AND TIME 4.7.1969 APPROX 1830 EDT

2. LOCATION OR PATH (attach map) TOUCHDOWN IN
① AMHERSTBURG ② COLCHESTER
06969-14 0696915

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

4. PATH WIDTH UNKNOWN 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
(Such as hail, vivid lightning heavy rain, no rain, etc.)

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

12. TOTAL INJURED 1 13. TOTAL HOMELESS UNKNOWN

14. LIST ALL REFERENCES
GLOBE AND MAIL, TORONTO (AP) 5.7.1969
CONSTABLE ? ROBERT LONG (519) 738-4141.

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

① (a) SQUALL LINE STRETCHING ACROSS SOUTHERN ONT - UKERIE - OHIO. TORNADOES REPORTED NEAR TOLEDO AND CLEVELAND ALSO SUNDUSKY

2a) Funnels observed according to Constable Long.

(b) 8 KILLED AND HUNDREDS INJURED IN U.S. IN COLCHESTER EVERY STREET JAMMED BY FALLEN TREES AND SMASHED CARS. DAMAGE IN AMHERSTBURG WAS HEAVY, WITH STREETS JAMMED WITH CAR AND TREES, AND PARTS OF BUILDING TORN OFF. DOZENS OF BOATS WERE OVERTURNED AND MORE THAN 12 PEOPLE WERE RESCUED WHEN THEIR BOATS WENT AGROUND NEAR AMHERSTBURG

WORKSHEET

IDTO 0696914

① ORIGIN x 17324400
 y 4662400

⑤ Standard Error S_x 300 C

② LIFT-OFF x_1 17326000
 y_1 4663200

⑥ Standard Error S_y 1000 C

③ $(x_1 - x) = 1600$

④ $(y - y_1) = 800$

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 $\rightarrow r, \theta = 1789 \text{ m}$

$x \leftrightarrow y = 27^\circ$

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

⑤ + ⑥ $\rightarrow r, \theta = 1044 \text{ C}$

⑩ $\beta = \frac{\tan^{-1} S_L}{L}$

⑦ + ⑨ $\rightarrow r, \theta$
 $x \leftrightarrow y = 30^\circ$

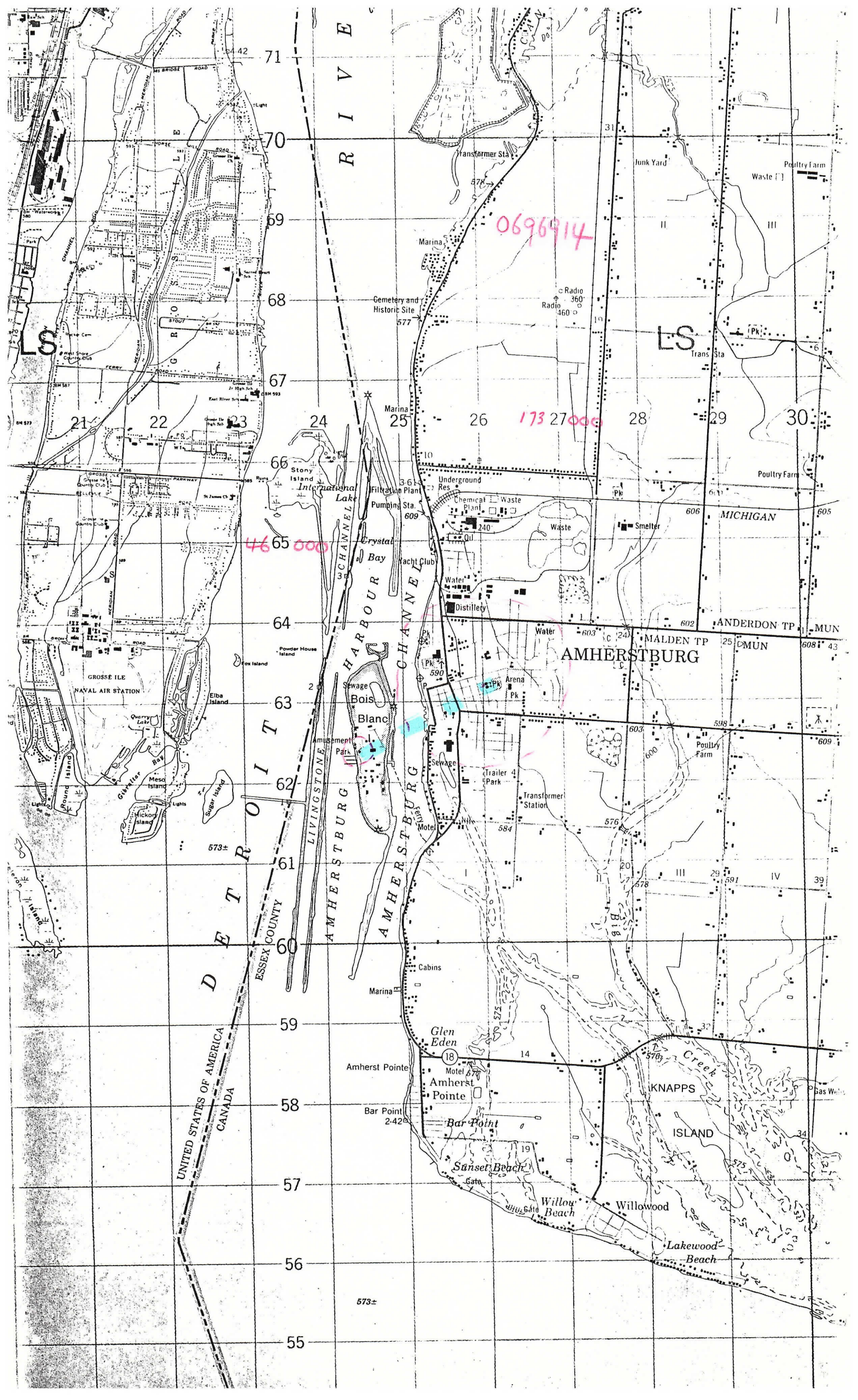
NE Quad $\phi = 90 - \alpha$

NW Quad $\phi = 270 + \alpha$

SW Quad $\phi = 270 - \alpha$

SE Quad $\phi = 90 + \alpha$

⑪ $\phi = 243^\circ$



Phone conversation with police (Constable?)
Robert Long of the ^{South} Colchester Township
Police in regard to a damaging storm
of July 4 1969.

A barn was demolished on the farm
of Leo Charly (since moved away). Con III
and Drummond Rd. Another barn nearly
had its roof taken off and landed
out on the highway.

Constable Long said that there
appeared to be three storm paths and
that funnels were seen.

One struck Caboto's trailer park, just
east of Colchester, and uprooted many trees.

~~Leading northwest on the ground by~~

Peter Timmens (519) 738-2526, between
Harrow and the Experimental Farm.

A third damage area occurred
just east of Police Chief Gordon
Marontates' property.

→ Called on Nov 18/80 He did not see a
funnel. He observed a pair of barn doors
being lifted off and carried 4 feet
above the ground across a tobacco field
and then dropped. The only other damage he
knew of was broken tree limbs.