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TORNADO PROJECT SUMMARY SHEET

1. DATE AND TIME June 16, 1986 1430 EDT

2. LOCATION OR PATH (attach map) Brady Lake to Maynooth, Ont.

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

4. PATH WIDTH 400 M 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 $4 000 000 11. TOTAL DEATHS

12. TOTAL INJURED ONE 13. TOTAL HOMELESS

14. LIST ALL REFERENCES

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

— major damage

T.D. 17 6~~71~~ 68600 (mph) ~~000~~ (mph)
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L.O. 17 690150
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RECEIVED JUN 1 9 1986

ABCN2 CYYZ 181800 SPL
SPECIAL WEATHER STATEMENT ISSUED BY ENVIRONMENT CANADA AT 2 PM EDT WEDNESDAY JUNE 18 1986.

..... THE JUNE 16 TORNADO OUTBREAK .....

A STRONG COLD FRONT ORIENTED NORTHEAST TO SOUTHWEST ACROSS THE CENTRAL GREAT LAKES ON THE MORNING OF MONDAY JUNE 16 WAS MOVING SOUTHEASTWARD TOWARDS SOUTHERN ONTARIO.

THE SEVERE WEATHER METEOROLOGIST AT THE ONTARIO WEATHER CENTRE DETERMINED THAT THE POTENTIAL FOR SEVERE WEATHER WAS HIGH AND ISSUED A SEVERE WEATHER WATCH AT 11.10 AM CALLING FOR THE POSSIBILITY OF TORNADOES AND SEVERE THUNDERSTORMS OVER SOUTHERN ONTARIO AND EASTERN PORTIONS OF CENTRAL ONTARIO.

HEAVY THUNDERSTORM ACTIVITY WAS FIRST DETECTED BY RADAR IN THE SUDBURY AREA AND WARNINGS ISSUED AT 11.25 AM. NO REPORTS OF SEVERE DAMAGE WERE RECEIVED FROM THIS AREA.

THE MAIN BODY OF STORM ACTIVITY BEGAN JUST AFTER NOON AND PERSISTED THROUGHOUT THE REMAINDER OF THE AFTERNOON AS THE COLD FRONT SWEPT ACROSS SOUTHERN ONTARIO. IN ALL 9 WARNINGS WERE ISSUED FOR THE AREAS LATER AFFECTED BY THE STORMS. RADAR AND SATELLITE DATA INDICATED THAT ALL STORM ACTIVITY HAD MOVED OUT OF THE PROVINCE BY 7.30 PM AND THE WARNINGS WERE CANCELED AT THAT TIME.

SPECIFIC REPORTS...

1. THE CARNARVON TORNADO...CONFIRMED. OVERFLIGHT OF THE TORNADO TRACK BY ENVIRONMENT CANADA PERSONNEL INDICATED DEFINITE CYCLONIC DEBRIS PATTERN ALMOST CONTINUOUSLY OVER A PATH LENGTH OF 80 KM WITH AVERAGE WIDTH OF 150 METRES...A MAJOR TORNADO. TOUCHDOWN OCCURRED BETWEEN 2.15 AND 2.30 PM AT PAUL LAKE...9 MILES DUE WEST OF CARNARVON. THE PATH EXTENDS EASTWARD ACROSS BRADY LAKE- BOSHKUNG LAKE- JUST NORTH OF HURRICANE LAKE- NORTH END OF DRAG LAKE- NORTH END OF ELEPHANT LAKE. DAMAGE ENDED ABOUT 3 KM EASTSOUTHEAST OF THE JUCTION OF HIGHWAYS 62 AND 127...JUST WEST OF MOXAN LAKE. MOST BUILDINGS IN THE PATH WERE SEVERELY DAMAGED OR DESTROYED. TREES WERE FLATTENED OVER MOST OF THE PATH. ONE STONE HOUSE TOTALLY FLATTENED. 50 TO 100 COTTAGES DAMAGED OR DESTOYED. ONE INJURY WAS REPORTED.

2. MISSISSIPPI LAKE...TORNADO TOUCHDOWN OCCCURRED ABOUT 5.00 PM. TRACK FROM NEAR DRUMMOND EASTWARD 6 TO 8 KM. SWATH OF DAMAGED INCLUDED NUMEROUS TREES DOWN... BARN AND CONCRETE SILO FLATTENED.

3. WOODSTOCK AREA...FUNNEL CLOUD SIGHTED ABOUT 3.45 PM.

4. CAMPBELLVILLE AREA...FUNNEL CLOUD PHOTOGRAPHED 3.00 TO 4.00 PM.

5. EAST ZORRA TOWNSHIP...30 TREES AND 2 BARNS DOWN. WINDOWS BLOWN OUT OF A HOUSE.

ELSEWHERE IN SOUTHERN ONTARIO...NUMEROUS REPORTS OF TREE LIMBS DOWN AND SOME TREES UPROOTED AND POWER LINES DOWN. NUMEROUS REPORTS OF 2 CM HAIL.

END/GW