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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. 17 671 000 (with 68600) ~~000~~  
4990000  
L.O. 17 690150  
4999325

RECEIVED JUN 19 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 SWEEP  
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- BOSHUNG  
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 DESTROYED. ONE INJURY WAS REPORTED.
2. MISSISSIPPI LAKE...TORNADO TOUCHDOWN OCCURRED 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