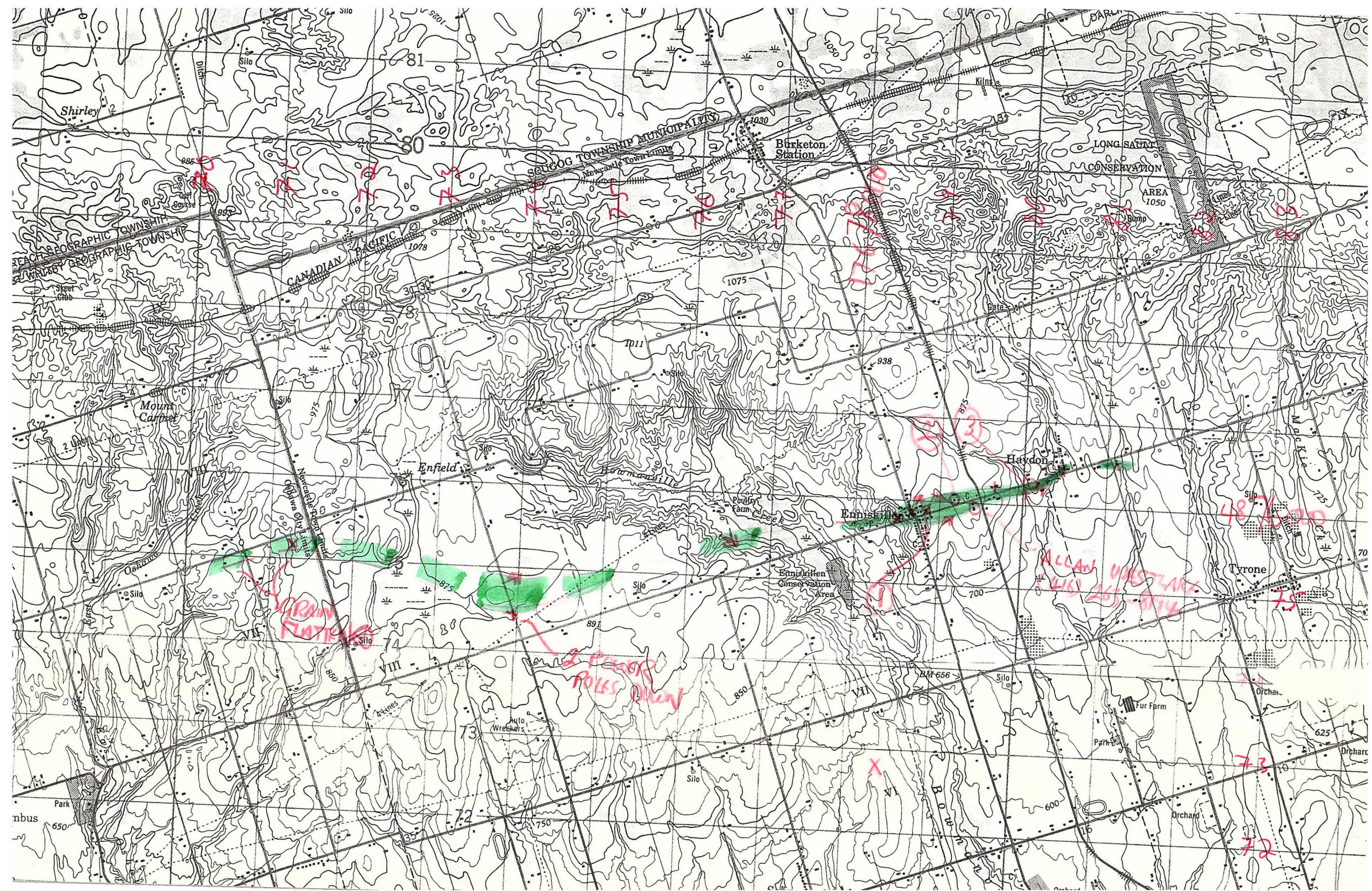
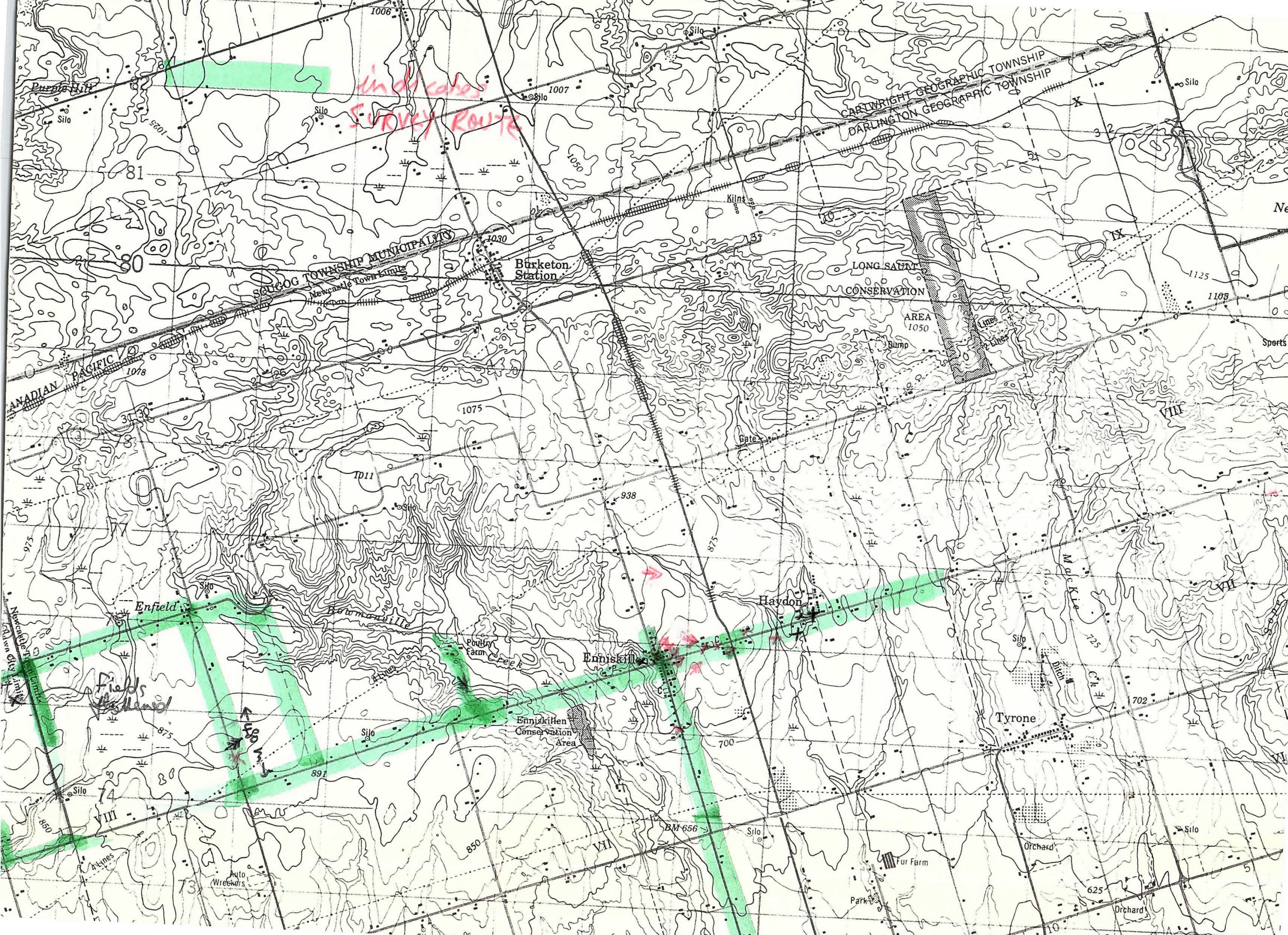


1. DATE AND TIME SUN JULY 18, 1982 1400 EST
2. LOCATION OR PATH
(attach map) OSHAWA - NEWCASTLE (ENNISKILLEN)
0698218
3. PATH LENGTH ☐ NOT KNOWN ☐ <1mi; ☐ 1-4mi; ☐ 5-10mi; ☐ 11-50mi; ☐ LENGTH IF >50m
MAX WIDTH 480 m 10 KM
4. PATH WIDTH 1 5. TORNADO PART OF SQUALL LINE? ☐ YES; ☐ NO; ☐ UNKNOWN:
6. ANY 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.) pea to marble sized hail
10. TOTAL DAMAGE ESTIMATE \$ UNK 11. TOTAL DEATHS NONE
12. TOTAL INJURED NONE 13. TOTAL HOMELESS NONE
14. LIST ALL REFERENCES
TORNADO FIELD SURVEY, by M. J. Newark, July 21, 1982
15. SUMMARIZE REMARKS PERTAINING TO (a) FUNNEL; (b) INTERESTING OR CAPRICIOUS EVENTS.
- (a) no remarks
- (b) Trees broken or uprooted. Secondary damage due to falling trees or limbs on hydro wires and farm machinery.

T.D. 17 670300
4874750

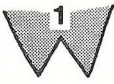




L.O. 17 681300
4876550





TORNADO SURVEY FORM

NAME OF INVESTIGATOR M. J. NEWARK	INVESTIGATOR'S PHONE 676-4540	DATE OF INVESTIGATION JULY 21, 1982	LOCATION NUMBER (1)
INVESTIGATOR'S ADDRESS OWC TIA	PERSONAL SURVEY <input checked="" type="checkbox"/> UTM ZONE TELEPHONE INTERVIEW <input type="checkbox"/> 17	EASTING	NORTHING

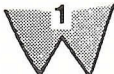




1.	NAME(S) OF PERSON(S) INTERVIEWED MRS WALLACE GRIFFIN
2.	ADDRESS (NOT RR#) OF THIS LOCATION Lot 18, Cone 8, Ennis Killen. <small>Lot Con. Twp. Co. or # Street, Town, Prov. or Section, Township, Range, Meridian</small>
3.	PHONE NUMBER OF PERSON INTERVIEWED (416) 263-2570 <small>Area Code Number</small>
4.	(a) TIME AND DATE OF THE EVENT AT THIS LOCATION 1400 EST SUN 18 JULY 1982 <small>Standard Time, Time Zone Day Month Year</small> (b) HOW WAS THE TIME DETERMINED (STOPPED CLOCK, POWER FAILURE, MEMORY, A TIME-FIXING EVENT ETC.)
5.	(a) FUNNEL SEEN Y or N (b) FUNNEL TYPE (CIRCLE) <div style="display: flex; justify-content: space-around; align-items: flex-end; text-align: center;"> <div> Multiple</div> <div> Smoke-like</div> <div> Columnar</div> <div> Cone</div> <div> Rope-like</div> <div>6 Unknown</div> <div>7 Other</div> </div>
	(c) IF MULTIPLE, HOW MANY? (d) FROM WHICH DIRECTION?
6.	UNUSUAL NOISE? Y or N IF YES, DESCRIBE
7.	UNUSUAL SKY COLOUR? Y or N IF YES, DESCRIBE
8.	(a) HAIL? Y or N (b) DID HAIL PRECEDE <input type="checkbox"/> AND/OR FOLLOW <input type="checkbox"/> THE TORNADO? (c) HAIL SIZE (CIRCLE) <div style="display: flex; justify-content: space-around; align-items: flex-end; text-align: center;"> <div>PEA TENNIS BALL</div> <div>GRAPE OTHER</div> <div>WALNUT UNKNOWN</div> <div>GOLF BALL OR DIAMETER (mm)</div> </div>
9.	(a) RAIN, HOW MUCH? (b) DID THE RAIN FALL BEFORE <input type="checkbox"/> AND/OR AFTER <input type="checkbox"/> THE TORNADO, AT THE TIME OF <input type="checkbox"/> NONE <input type="checkbox"/>
10.	(a) NUMBER OF HUMAN FATALITIES none (b) NUMBER OF ANIMAL FATALITIES none (c) NUMBER OF HUMAN INJURIES none (d) NUMBER OF ANIMAL INJURIES none
11.	(a) ARE PHOTOS AVAILABLE? (TAKEN EITHER BY PERSON INTERVIEWED OR ACQUAINTANCES) Y or N (b) IF YES, GIVE NAMES AND ADDRESSES WHERE THEY ARE AVAILABLE

Mrs Griffin was standing in her living room at the time of the storm. Outside the window, everything turned milky as the storm hit. It lasted for only a few seconds and after it passed, she saw that a huge soft maple in the garden was split in two and an apple tree was twisted off its roots. Two heavy wooden lawn chairs were thrown across the driveway.

1/4" diameter hail damaged the garden.

TORNADO SURVEY FORM

NAME OF INVESTIGATOR M. J. NEWARK	INVESTIGATOR'S PHONE 676-4540	DATE OF INVESTIGATION JULY 21, 1982	LOCATION NUMBER (2)
INVESTIGATOR'S ADDRESS OWC TIA	PERSONAL SURVEY <input checked="" type="checkbox"/> UTM ZONE TELEPHONE INTERVIEW <input type="checkbox"/> 17	EASTING	NORTHING

1.	NAME(S) OF PERSON(S) INTERVIEWED Richard ROWAN
2.	ADDRESS (NOT RR#) OF THIS LOCATION lot 17, conc 8, Newcastle town (former Darlington Tp) <small>Lot Con. Twp. Co. or # Street, Town, Prov. or Section, Township, Range, Meridian</small>
3.	PHONE NUMBER OF PERSON INTERVIEWED (416) 263-2087 <small>Area Code Number</small>
4.	(a) TIME AND DATE OF THE EVENT AT THIS LOCATION 1400 EST 18 JULY 1982 <small>Standard Time, Time Zone Day Month Year</small> (b) HOW WAS THE TIME DETERMINED (STOPPED CLOCK, POWER FAILURE, MEMORY, A TIME-FIXING EVENT ETC.) Power failure
5.	(a) FUNNEL SEEN Y or (N) (b) FUNNEL TYPE (CIRCLE) <div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;">  1 Multiple </div> <div style="text-align: center;">  2 Smoke-like </div> <div style="text-align: center;">  3 Columnar </div> <div style="text-align: center;">  4 Cone </div> <div style="text-align: center;">  5 Rope-like </div> <div style="text-align: center;"> 6 Unknown </div> <div style="text-align: center;"> 7 Other </div> </div>
	(c) IF MULTIPLE, HOW MANY? (d) FROM WHICH DIRECTION?
6.	UNUSUAL NOISE? Y or (N) IF YES, DESCRIBE
7.	UNUSUAL SKY COLOUR? Y or (N) IF YES, DESCRIBE
8.	(a) HAIL? (Y) or N (b) DID HAIL PRECEDE <input type="checkbox"/> AND/OR FOLLOW <input type="checkbox"/> THE TORNADO? (c) HAIL SIZE (CIRCLE) <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> (PEA) TENNIS BALL </div> <div style="text-align: center;"> GRAPE OTHER </div> <div style="text-align: center;"> WALNUT UNKNOWN </div> <div style="text-align: center;"> GOLF BALL OR DIAMETER (mm) </div> </div>
9.	(a) RAIN, HOW MUCH? (b) DID THE RAIN FALL BEFORE <input type="checkbox"/> AND/OR AFTER <input type="checkbox"/> THE TORNADO, AT THE TIME OF <input type="checkbox"/> NONE <input type="checkbox"/>
10.	(a) NUMBER OF HUMAN FATALITIES none (b) NUMBER OF ANIMAL FATALITIES none (c) NUMBER OF HUMAN INJURIES none (d) NUMBER OF ANIMAL INJURIES none
11.	(a) ARE PHOTOS AVAILABLE? (TAKEN EITHER BY PERSON INTERVIEWED OR ACQUAINTANCES) Y or N (b) IF YES, GIVE NAMES AND ADDRESSES WHERE THEY ARE AVAILABLE

14.

Damage sketch for this location. — Need not be to scale but should indicate numerical dimensions (metric units preferred) and orientation with respect to north. Positions where photographs were taken should be located.

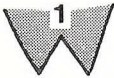




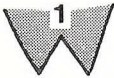




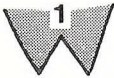






July 29,
1982

Barn unroofed

TORNADO SURVEY FORM

NAME OF INVESTIGATOR M.J. NEWARK		INVESTIGATOR'S PHONE 676-4540	DATE OF INVESTIGATION July 21, 1982	LOCATION NUMBER (3)
INVESTIGATOR'S ADDRESS ONE TIA	PERSONAL SURVEY <input checked="" type="checkbox"/> TELEPHONE INTERVIEW <input type="checkbox"/>	UTM ZONE 17	EASTING	NORTHING

1.	NAME(S) OF PERSON(S) INTERVIEWED JOHN BERTIM															
2.	ADDRESS (NOT RR#) OF THIS LOCATION Lot 15 Conc 8 Darlington <small>Lot Con. Twp. Co. or # Street, Town, Prov. or Section, Township, Range, Meridian</small>															
3.	PHONE NUMBER OF PERSON INTERVIEWED (416) 263-2394 <small>Area Code Number</small>															
4.	(a) TIME AND DATE OF THE EVENT AT THIS LOCATION 1400 EST Sun July 18, 1982 <small>Standard Time, Time Zone Day Month Year</small>															
	(b) HOW WAS THE TIME DETERMINED (STOPPED CLOCK, POWER FAILURE, MEMORY, A TIME-FIXING EVENT ETC.) Power off.															
5.	(a) FUNNEL SEEN Y or N															
	(b) FUNNEL TYPE (CIRCLE) <table border="0"><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr><tr><td>Multiple</td><td>Smoke-like</td><td>Columnar</td><td>Cone</td><td>Rope-like</td><td>Unknown</td><td>Other</td></tr></table>		 1	 2	 3	 4	 5	6	7	Multiple	Smoke-like	Columnar	Cone	Rope-like	Unknown	Other
 1	 2	 3	 4	 5	6	7										
Multiple	Smoke-like	Columnar	Cone	Rope-like	Unknown	Other										
	(c) IF MULTIPLE, HOW MANY?	(d) FROM WHICH DIRECTION?														
6.	UNUSUAL NOISE? Y or N IF YES, DESCRIBE															
7.	UNUSUAL SKY COLOUR? Y or N IF YES, DESCRIBE Pinkish grey.															
8.	(a) HAIL? Y or N	(b) DID HAIL PRECEDE <input type="checkbox"/> AND/OR FOLLOW <input type="checkbox"/> THE TORNADO?														
	(c) HAIL SIZE (CIRCLE) <table border="0"><tr><td>PEA</td><td>GRAPE</td><td>WALNUT</td><td>GOLF BALL</td></tr><tr><td>TENNIS BALL</td><td>OTHER</td><td>UNKNOWN</td><td>OR DIAMETER (mm)</td></tr></table>		PEA	GRAPE	WALNUT	GOLF BALL	TENNIS BALL	OTHER	UNKNOWN	OR DIAMETER (mm)						
PEA	GRAPE	WALNUT	GOLF BALL													
TENNIS BALL	OTHER	UNKNOWN	OR DIAMETER (mm)													
9.	(a) RAIN, HOW MUCH?	(b) DID THE RAIN FALL BEFORE <input type="checkbox"/> AND/OR AFTER <input type="checkbox"/> THE TORNADO, AT THE TIME OF <input type="checkbox"/> NONE <input type="checkbox"/>														
10.	(a) NUMBER OF HUMAN FATALITIES none	(b) NUMBER OF ANIMAL FATALITIES none														
	(c) NUMBER OF HUMAN INJURIES 11	(d) NUMBER OF ANIMAL INJURIES 5														
11.	(a) ARE PHOTOS AVAILABLE? (TAKEN EITHER BY PERSON INTERVIEWED OR ACQUAINTANCES) Y or N															
	(b) IF YES, GIVE NAMES AND ADDRESSES WHERE THEY ARE AVAILABLE															

14.

Damage sketch for this location. — Need not be to scale but should indicate numerical dimensions (metric units preferred) and orientation with respect to north. Positions where photographs were taken should be located.

