(1) (2) B A (3) B

TORNADO PROJECT SUMMARY SHEET

F-6 JULY 14 1980

(1) F=1 (2) F=1 (3) F=1 ONT

1. DATE AND TIME JULY 8 1956 (1) 1400 EST. (2) 1445 EST (stopped clock) (3) ?

2. LOCATION OR PATH (attach map)
(1) BRADLEY TO TARA → 0695604
(2) DUBLIN → 0695605
(3) ATWOOD — LISTOWEL 0695606

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

4. PATH WIDTH ☐ 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; (7) ATWOOD: ROAR OF THE WIND.

9. LIST ANY ASSOCIATED PHENOMENA
(Such as hail, vivid lightning heavy rain, no rain, etc.)

10. TOTAL DAMAGE ESTIMATE $250,000 (BOTH LUMPED TOGETHER) 11. TOTAL DEATHS 1 KILLED IN 0695604 (near Tara)

12. TOTAL INJURED 13. TOTAL HOMELESS

14. LIST ALL REFERENCES

GLOBE AND MAIL MON. JULY 9 1956

JOHN W. WOLFE, RR#1 DOBBINTON. (BRUCE CO.)

PHONE INTERVIEWS BY MJ Newark.
" " " P. Elmes.

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

A TORNADO OUTBREAK IN THE PAISLEY, LISTOWEL, ATWOOD AND DUBLIN AREAS.

10 BARNS WRECKED, AND SEVERAL DAMAGED AT PAISLEY. PAISLEY BRICK AND TILE CO. DAMAGED TO THE EXTENT OF $30,000.

AT ATWOOD, MAN PINNED 5 MINUTES BETWEEN SHATTERED DOORS OF FARMHOUSE WITH BABY IN HIS ARMS.

BARNS AND HOME DAMAGED AT DUBLIN, A COLONY HOUSE DISAPPEARED.

WORKSHEET 0695604

ORIGIN x 1747 5000
y 4898400

Standard Error S_x
C 2000 m

LIFT-OFF x_1 1748 8500
y_1 4924000

Standard Error S_y
C 2000 m

$(x_1 - x)$ = 13500
$(y - y_1)$ = 25600

DAMAGE LENGTH

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

= 28941 m $\alpha = 62°$

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

= 2828 m C.

$$\beta = \frac{S_L}{57.29 L}$$

= 6°

$$\alpha = \tan^{-1} \frac{|y - y_1|}{|x - x_1|} = 62°$$

NE Quad $\phi = 90 - \alpha$
NW Quad $\phi = 270 + \alpha$
SW quad $\phi = 270 - \alpha$

SE quad $\phi = 90 + \alpha$

ϕ = 208°

WORKSHEET 0695605

$l = 12500$
$w = 200$

R 456 m

ORIGIN x 17473500
y 4814700

Standard Error S_x

$l = 500$
$w = 200$
R 91 m

Standard Error S_y

LIFT-OFF x_1 17476600
y_1 4818200

$(x_1 - x) = 3600$
$(y - y_1) = 3500$

DAMAGE LENGTH

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

$= 5020$ m

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

$= 464$ m

$$\beta = \frac{S_L}{57.29L}$$

$= 5°$

$$\alpha = \tan^{-1}\frac{|y - y_1|}{|x - x_1|} = 44°$$

NE Quad $\phi = 90 - \alpha$
NW Quad $\phi = 270 + \alpha$
SW quad $\phi = 270 - \alpha$

SE quad $\phi = 90 + \alpha$

$\phi = 226°$

WORKSHEET

IDTO 0695606

(1) ORIGIN x 1749400
y 4837600

(5) Standard Error S_x
300 C

(2) LIFT-OFF x_1 1751610
y_1 4848700

(6) Standard Error S_y
300 C

(3) $(x_1 - x)$ = 22100

(4) $(y - y_1)$ = 11100

(7) DAMAGE LENGTH

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

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

(3)+(4) $\boxed{\rightarrow r, \theta}$ = 24731

$\boxed{x \leftrightarrow y}$ = 27°

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

(5)+(6) $\boxed{\rightarrow r, \theta}$ = 424 m

(10) $\beta = \dfrac{\tan^{-1} S_L}{L}$

(7)+(9) $\boxed{\rightarrow r, \theta}$

$\boxed{x \leftrightarrow y}$ = 1°

NE Quad $\phi = 90 - \alpha$

NW Quad $\phi = 270 + \alpha$

SW Quad $\phi = 270 - \alpha$

SE quad $\phi = 90 + \alpha$

(11) ϕ = 243°

THE LISTOWEL BANNER, THURSDAY JULY 12TH. 1956.

STORM DATE. ABOUT 3P.M., SUN. JULY 8TH. 1956.

AREA CLEANING UP AFTER VIOLENT TWISTER, ESTIMATE DAMAGE TO RUN INTO THOUSANDS..BARNS FLATTENED, TREES UPROOTED IN LISTOWEL, ATWOOD DISTRICTS.

The work of repairing, patching and building was still going on at mid-week and will continue for several weeks in LISTOWEL, ATWOOD and surrounding areas following Sunday's violent twister which ripped through the area leaving a path of devastation and damage running into thousands of dollars. The tornado-like winds struck the area around 3 o'clock and within minutes had flattened barns, ripped off roofs, uprooted trees, torn out power lines and made travel on many roads impossible.

CAME FROM WEST.

Accompanied by a midnight blackness with rain and lightning the high winds roared in from the west, hitting the ETHEL, ATWOOD area, moving on to LISTOWEL and continuing through WALLACE. Luckily, there were no serious injuries although the work of cleaning up will not be completed for many weeks.

Hydro power was disrupted for six hours as well as telephone service in many sections where wires were ripped down by falling trees. A heavy downpour of rain increased the damage to buildings whose roofs were torn off.

Emergency crews of workmen from the P.U.C. and Hydro-Electric Power Commision were rushed in to action to restore service.

DAMAGE EXTENSIVE.

Damage to farms in ELMA TOWNSHIP was extensive. Among the worst hit were GERALD MATHESON, CON. 8, 2½ miles from ATWOOD whose barn was smashed to the ground. MR. MATHESON was not at home at the time and did not return until late Sunday night, and that of KENNETH LAIDLAW, a neighbor, who had the roof ripped off his straw shed. The shed's base shifted three feet and three rafters were carried 100 feet through the house top.

MERVYN CONEYBEARE of the 4TH. CON. had his barn roof torn off. At least two other barns on the 6TH. CON. had their roofs removed and one barn was down in this section.

FEED MILL HIT.

The roof and top storey of the back section of FISHER'S FEED MILL at LISTOWEL was destroyed, leaving large quantities of feed and seed exposed to the elements. Later, while cleaning up the debris, a roof timber crashed through the top floor, coming to rest in the mixing room on the ground floor.

JIM ADAMS, R.R.3 LISTOWEL, said he saw the funnel-shaped wind approaching. Standing in the doorway of his parents home, he narrowly missed being struck in the face with flying debris when the barn 50 feet away was shattered. This large barn, on the farm of ALBERT ADAMS, 1¼ miles north of LISTOWEL, was destroyed with the exception of the stone stable underneath.

LIVESTOCK INJURED.

Five pigs and 200 chickens housed in the stable section were uninjured.

The roof was blown from the J.A.McCRACKEN farm north of LISTOWEL, while on the 8TH.CON. at least two other barns were reported destroyed.

In LISTOWEL the furniture and interior of an upstairs apartment occupied by MR. and MRS. HARRY FORMAN were damaged when the metal sheeting was torn from the flat roof.

A garage on ELMA STREET, owned by RUSS McCUTCHEON, and one on the corner of ELMA and VICTORIA STREETS, owned by MRS. RICHARD OKE were destroyed. A large tree was thrown onto the roof of a house occupied by BUD BITTON.

Throughout the town of LISTOWEL streets and lawns were littered with debris.

ATWOOD HIT.

The roof was blown off one of the barns struck by the wind at ROE FARMS. At another ROE barn, the roof was removed by the wind, and many of the siding boards were removed. Both of the damaged ROE barns were on the 6TH.CON. ELMA. At one of the ROE properties, trees were uprooted in an orchard, and limbs were torn off fruit trees.

On the 8TH.CON. ELMA a school adjoining the farm of ALEX MATHESON suffered damage, with the shingles blown off one side of the roof. The school is in a union school section, ELMA and GREY.

TOMBSTONES TOPPLE.

At a cemetery on the 8TH.CON., east of the KENNETH LAIDLAW farm, tombstones were turned over, and limbs were blown from trees in the cemetery.

WELDON NICHOL'S garage on the 4TH.CON. of ELMA, was levelled by the storm, and the barn doors were removed by the wind. There were also holes in the roof and sides of the barn, after the twister had passed across the NICHOL farms; a threshing machine on the barn floor was moved about three feet.

TWO PHOTOS IN THE PAPER, BY THE KITHCHENER-WATERLOO RECORD:

Tree on BUD BITTON'S HOME LISTOWEL and The wreck of ALBERT ADAM'S barn.

Phone conversation with Mrs Coneybeare.
LOT 14. CON. 4. ELMA TOWNSHIP by P. Elms on
Oct 3 1980, (519) 291-4039.

There was nobody home at the time of the tornado. The Coneybeares turned off highway 23 to go to their farm but a tree across the 4th Con. blocked their way.

Heavy bridge over a creek behind the barn constructed of heavy elm planks was destroyed. The planks were carried 20 rods to the west.

A tree branch went through a window in the house. The glass broke into very small pieces which were driven into the ceiling, plaster, and walls. When wall-papering the room recently they found glass still embedded in the plaster.

Thirty gallon milk cans filled with whey were scattered all over, and filled with chaff.

Mr. & Mrs Coneybeare have photos of the tornado damage.

Phone conversation with Mrs Kenneth Laidlaw.
by P. Elms. on Oct 2 1980. 8TH Con ELMA
Township. about Lot 3. (519) 291-1592.

did not see the tornado approach,
but saw the barn destroyed and timbers
slam into roof of the house.

It was raining heavily but no
hail fell.

Phone conversation with Mr James ADAMS.
Highway 23, LOT 24 CON 3, Wallace Township.
(519) 291-1592. NE corner. N of Listowel.
Mrs ADAMS has the Tweedsmuir history book with photos of tornado damage of July 8 1956.

Mr Adams said he saw the short grass on the McCracken farm being rolled flat as the tornado approached.
The barn on the Adams farm was destroyed.
Mr Adams said the walls fell outward.
The west wall was carried westward towards Highway 23.
The tornado was accompanied by a loud roar.

TORNADO, BRUCE, PERTH COUNTIES, ONTARIO.

THE GLOBE AND MAIL, TORONTO, MONDAY JULY 9TH. 1956

STORM DATE. "TONIGHT" SUNDAY, JULY 8TH. 1956.

TORNADO LOSS HEAVY IN BRUCE, PERTH COUNTIES.

PAISLEY, JULY 8. A tornado that swept through this BRUCE COUNTY area tonight and high winds that battered the surrounding district left a trail of about $250,000 in damage in the PAISLEY, LISTOWEL, ATWOOD, and DUBLIN areas.

The tornado here wrecked at least ten barns, damaged several others, uprooted trees and disrupted hydro and telephone service. Damage at the PAISLEY BRICK and TILE COMPANY was estimated at $30,000.

At ATWOOD, in PERTH COUNTY, WILBERT HEWITT was pinned for five minutes between two shattered doors of his farmhouse with a baby in his arms.

He said he heard a roar of wind and grabbed his ten-month-old son VERNON just as the dining room door crashed down. His wife had taken refuge in a clothes closet. HEWITT'S barn was destroyed.

(519) 345-2953

Near DUBLIN, a large frame barn on the farm of THOMAS DORSEY, on No. 8 HIGHWAY, was smashed from its concrete foundation but pigs and calves in the lower part of the barn were unharmed. A pumphouse and garage also went down during the storm.

Across the road part of the roof was blown off a house owned by JAMES J. KRAUSKOPF. Windows were broken and a steel roof lifted off a driving shed. A colony house disappeared.

Tree-blocked roads caused detours in many areas. In order to go to his home near PAISLEY from KINCARDINE, 22 miles away. WILMER McFADDEN of GREENOCK TOWNSHIP, had to travel 50 miles.

(Ed Byers son)
Young fellow said he saw funnel

Dec 12 1946 possible tornado
lot 21 conc 10 Elma Tp.

- poured concrete the day before.
- Touched down east of Dublin lifted then hit 12th conc.
- In barn milking, when roof was taken off
- moved on to Brittain and took barn roofs off there. Only about 100 ft wide thru bush neighbours didn't realize there was a wind and had no damage

open fall and mild weather.
18-30-1845
Graham
(519) 356-2694
Dec 12, 1946

FROM JOHN. W. WOLFE.
R.R. #1 DOBBINTON, ONT.

TORNADO: JULY 8 1956 3pm.

TEL. No 519-353-5678

HORACE CLARK. Barn damaged. Took his wife to cellar but storm all over in a minute.

LOCATED. BRADLEY JUNCTION. 16TH CON. [redacted] GREENOCK, LOT 7.

OTHER BARNS DAMAGED:

BAIN, MACFADDEN, DONELLY, MUNROE FARMS.

TORNADO TRACK SW TO NE, FROM JUST N.W OF BRADLEY TO LOCKERBY (DID DAMAGE HERE TO NE. CORNER OF LOCKERBY SCHOOL)