B

TORNADO PROJECT SUMMARY SHEET

F=0 ONT

1. DATE AND TIME AUGUST 30, 1979 1445 EST

2. LOCATION OR PATH (attach map) VCNTY LYNDHURST (LOWER BEVERLEY LAKE)
0697917

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

4. PATH WIDTH 180 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 $ U 11. TOTAL DEATHS NONE

12. TOTAL INJURED NONE 13. TOTAL HOMELESS NONE

14. LIST ALL REFERENCES

GANANOQUE REPORTER, SEPT 5, 1979
FIELD VISIT SEPT 1, 1979 by M.J Newark and P.J.Elms

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

(a) no remarks

(b) Trees uprooted. Silo damaged. Barn damaged.

WORKSHEET

TDTO 069-7917

(1) ORIGIN x 18411000
y 4937800

(2) LIFT-OFF x_1 18413550
y_1 4938300

(3) $(x_1 - x)$ = 2550

(4) $(y - y_1)$ = 500

(5) Standard Error S_x 30C

(6) Standard Error S_y 30 C

(7) DAMAGE LENGTH

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

(3)+(4) $\boxed{\rightarrow r,\theta}$ = 2599 m

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

$\boxed{x \leftrightarrow Y}$ = 11°

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

(5)+(6) $\boxed{\rightarrow r,\theta}$ = 42. C

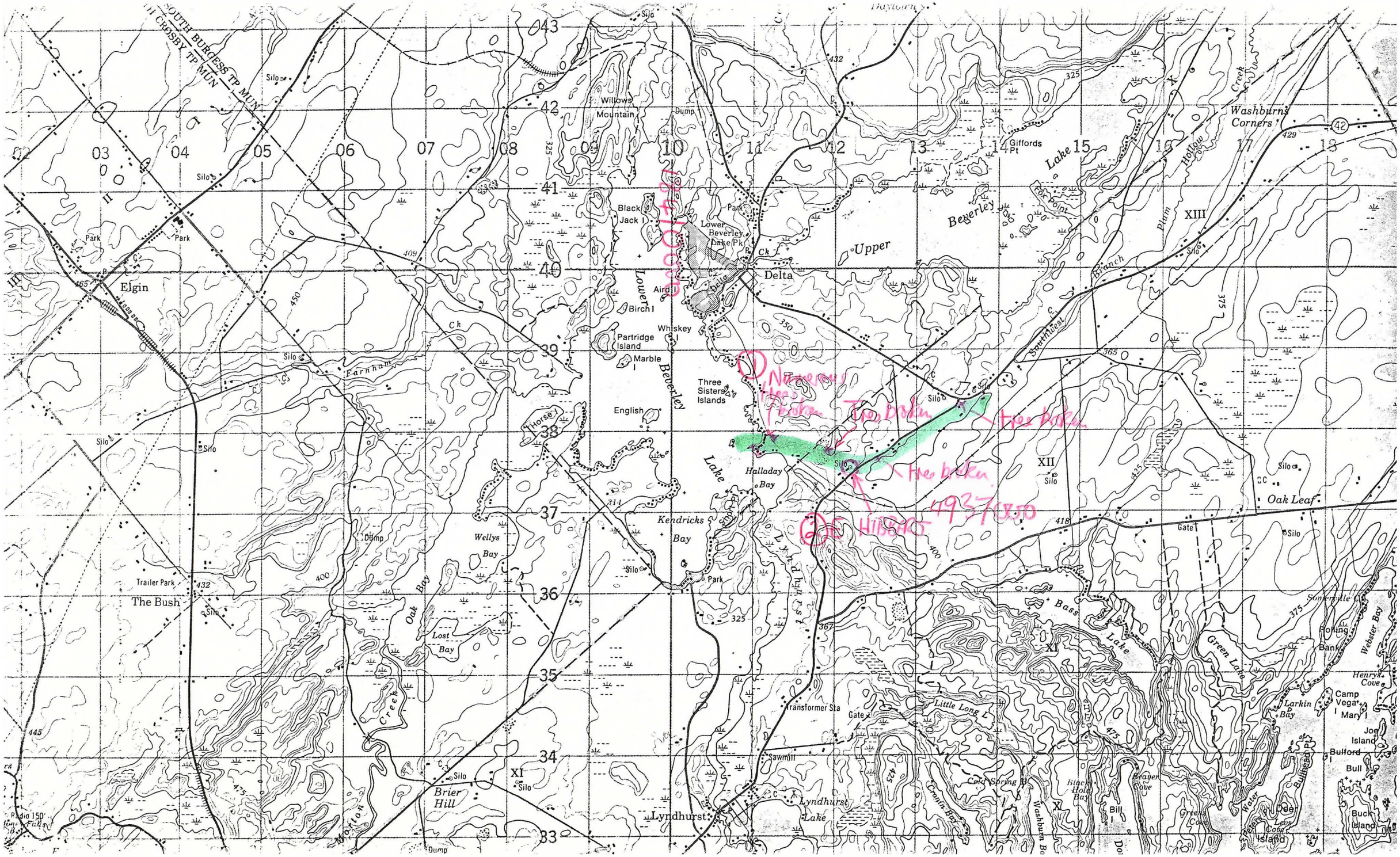
(10) $\beta = \dfrac{\tan^{-1} S_L}{L}$

(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 = 259°


Elgin
The Bush
Brier Hill
Lyndhurst
Delta
Upper Beverley Lake
Lower Beverley Lake
Black Jack I
Birch I
Whiskey I
Partridge Island
Marble I
Three Sisters Islands
English
Horse I
Halladay Bay
Kendricks Bay
Wellys Bay
Oak Bay
Lost Bay
Lyndhurst Lake
Beverley
Farnham
Lower Beverley Creek
Plum Hollow Creek
Washburn's Corners
Giffords Pt
Fox Point
Oak Leaf
Somerville
Bass Lake
Green Lake
Little Long Lake
Webster Bay
Rollins Bank
Henry's Cove
Camp Vega
Larkin Bay
Joe Island
Bulford
Bull I
Buck Island
Deer Island
Lewis Cove
Beaver Cove
Black Hole Bay
Cold Spring Pt
Crowtin Bay
Washburn Bay
Bill
Green Cove
Water
Bulhead Pt
Transformer Sta
Sawmill
Gate
Trailer Park
Radio 150' Tower
Dump
Silo
Park
Ck
Creek
Branch
Hollow
Lake
Bay
Pt
I
II
III
XI
XII
XIII
SOUTH BURGESS TP MUN
CROSBY TP MUN
Nitrogen Tree Planter
Tree Bolter
Tree Bolter
Tree Bolter
4937850
HIBBERT

(1) .. Kenty Holiday Bay.

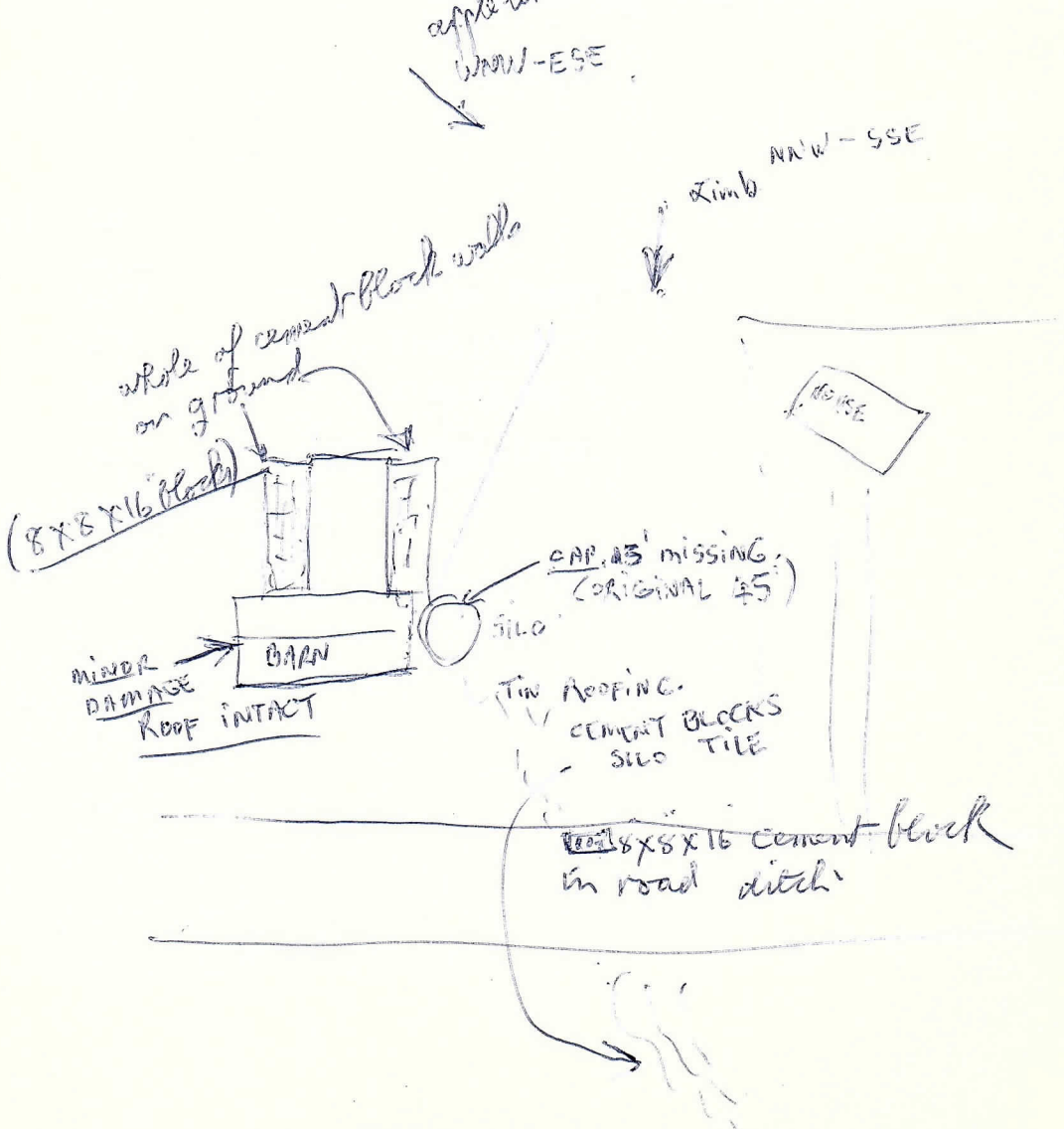
trees · NNW – SSE
WNW – ESE.

3.45 pm
raining hard at time of damage.

broke & hurled picnic table 30 or 40 feet.
a dozen of trees broken or uprooted NW–SE.
some 15 & 20" thru. 12x24' shed moved 4 ft.
from NNE to SSW. Right hand side of track
trees N of S.



(2) concrete block
Both side walls of shed blown outwards. 15ft taken off top of concrete block silo. Concrete blocks carried 150 yds. Storm in Lyndhurst. Farm of E Hibbert.



NEAR LYNDHURST. ONT. AUG. 30 1979.

