A

TORNADO PROJECT SUMMARY SHEET

F=0 ONT

1. DATE AND TIME: AUG 30, 1976 1018 EST

2. LOCATION OR PATH (attach map)
COLLINS BAY (SW - NE) 0697609

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

4. PATH WIDTH [u] 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; "WHITE WHIRLING CONE SHAPED THING"
"LOUD HISSING SOUND"

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

10. TOTAL DAMAGE ESTIMATE $ LITTLE 11. TOTAL DEATHS NONE

12. TOTAL INJURED NONE 13. TOTAL HOMELESS NONE

14. LIST ALL REFERENCES

WHIG STANDARD, KINGSTON, MON AUG 31, 1976

Personal Interview with eyewitness, Mrs Mellow.

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

(a) " When I looked up I saw a white whirling cone-shaped thing with a color all its own

(b) Trees ripped up, wires down, limbs broken from trees fell on parked cars.

WORKSHEET

IDTO 0697609

(1) ORIGIN x ~~4899700~~ 1837140 C200

y 4899700

(5) Standard Error S_x

(2) LIFT-OFF x_1 1837210 C200

y_1 4899950

(6) Standard Error S_y

(3) $(x_1 - x)$ = 700

(4) $(y - y_1)$ = 250

(7) DAMAGE LENGTH

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

(3)+(4) [→ r,θ] = 743 m

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

[x ↔ y] = 20°

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

(5)+(6) [→ r,θ] = 282 m C

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

(7)+(9) [→ r,θ]

[x ↔ y] = 21°

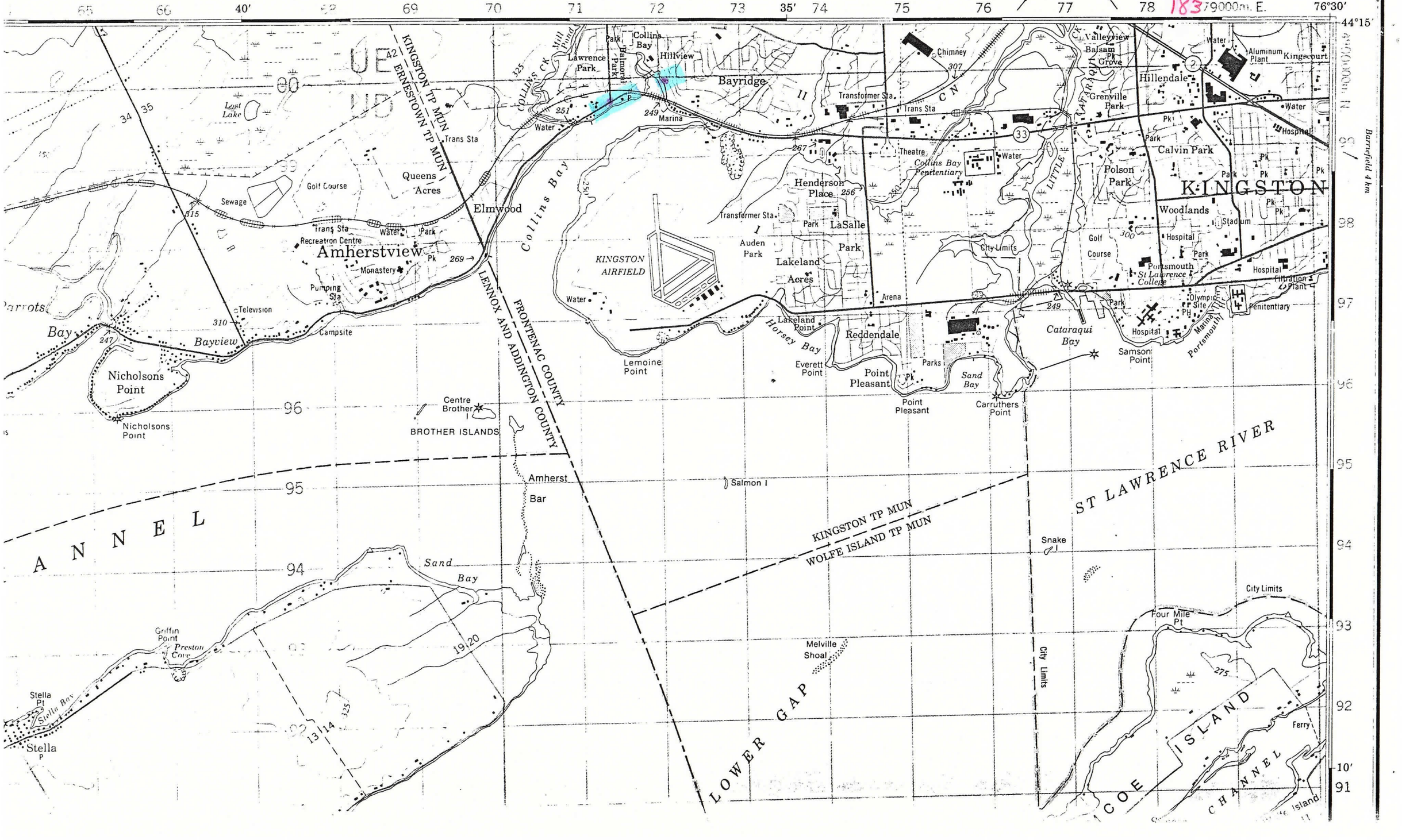
NE quad $\phi = 90 - \alpha$

NW quad $\phi = 270 + \alpha$

SW quad $\phi = 270 - \alpha$

SE quad $\phi = 90 + \alpha$

(11) ϕ = 250°


65 66 40' 69 70 71 72 73 35' 74 75 76 77 78 79000m. E. 76°30'
44°15'
Barnsfield 4 km
KINGSTON TP MUN
ERNESTOWN TP MUN
Lost Lake
Trans Sta
Queens Acres
Golf Course
Sewage
Elmwood
Trans Sta
Recreation Centre
Water
Park
Amherstview
Pk
269
Monastery
Pumping Sta
Television
310
Campsite
Parrots Bay
247
Bayview
Nicholsons Point
Nicholsons Point
Centre Brother
BROTHER ISLANDS
LENNOX AND ADDINGTON COUNTY
FRONTENAC COUNTY
Amherst Bar
Salmon I
Sand Bay
Griffin Point
Preston Cove
Stella Pt
Stella Bay
Stella
P
19
20
13
14
335
Collins Bay
Collins Crk
Mill Pond
Park
Collins Bay
Lawrence Park
Palmoral Park
Hillview
325
251
249
Marina
Water
Bayridge
II
Transformer Sta
Trans Sta
CN
Chimney
307
Valleyview
Balsam Pk Grove
Water
Aluminum Plant
Kingscourt
Hillendale
2
Grenville Park
Water
Hospital
267
Theatre
Collins Bay Penitentiary
Water
33
Park
Calvin Park
Pk
Pk
Pk
Pk
Pk
Polson Park
KINGSTON
Henderson Place
256
250
Transformer Sta
Park
LaSalle
Auden Park
Park
Lakeland Acres
KINGSTON AIRFIELD
Water
Arena
City Limits
Golf Course
300
Woodlands
Pk
Pk
Stadium
Hospital
Park
Portsmouth
St Lawrence College
Hospital
Filtration Plant
Park
Olympic Site
PH
Marina
Penitentiary
249
Lakeland Point
Horsey Bay
Reddendale
Cataraqui Bay
Hospital
Samson Point
Portsmouth
Lemoine Point
Everett Point
Point Pleasant
Pk
Parks
Sand Bay
Point Pleasant
Carruthers Point
ST LAWRENCE RIVER
KINGSTON TP MUN
WOLFE ISLAND TP MUN
Snake I
City Limits
Four Mile Pt
Melville Shoal
City Limits
LOWER GAP
275
COE ISLAND
Ferry
CHANNEL
Island
10'
91
92
93
94
95
96
97
98
99