B. \ TORNADO PROJECT SUMMARY SHEET F= BC

1. DATE AND TIME TUE 9.5.1978 1530 PDT

2. LOCATION OR PATH (attach map) SALMO

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;

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

10. TOTAL DAMAGE ESTIMATE $ 15,000 11. TOTAL DEATHS NONE

12. TOTAL INJURED NONE 13. TOTAL HOMELESS NONE

14. LIST ALL REFERENCES

NELSON DAILY NEWS, B.C. MAY 10, 1978.
CASTLEGAR MONTHLY METEOROLOGICAL SUMMARY, MAY 1978.

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

(a) no remarks but called a whirlwind which lasted for about 15 seconds

(b) Destroyed a workshop and office building. One section of the workshop wall was swept 500 feet over a nearby house.

Canadian Press Clipping Service
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TORONTO, 2

Nelson Daily News, B.C.
Circ. 8,284
May 10, 1978

CANADIAN PRESS CLIPPING SERVICE

Twister destroys shop

c1492

SALMO — Rene Dauphinais must have thought he was on his way to the yellow brick road Tuesday when a twister, just like the one that carried Dorothy to the Wizard of Oz, picked up his workshop and whirled it through the air.

"There was stuff flying in every direction" said the Salmo man in a telephone interview.

The twister which occurred at 3:30 p.m. Tuesday completely destroyed Dauphinais' workshop and office building containing a tractor and tools.

Dauphinais himself and a friend Wilf Uphill also of Salmo narrowly escaped injury.

"Luckily, we had just come out of the workshop 20 minutes before the storm hit," said Dauphinais.

Lasting for about 15 seconds, the whirlwind swept one section of the workshop wall up over Dauphinais house and tore off the chimney. The wall came to rest about 500 feet from where the shop was.

Damage is estimated at $15,000 and Dauphinais said he is "barely insured."

(14)

Time, date & location of occurrence - May 1, 1978 at Salmo, ?
B.C., a town near Castlegar Airport.

This tornado was noted in the Castlegar Monthly Meteorological Summary for May 1978. No further information was given and no news items on this tornado could be found in the main B.C. daily newspapers.

WORKSHEET

IDTO 10978-01

① ORIGIN x 11479500

y 5448500

② LIFT-OFF x_1

y_1

③ $(x_1 - x) =$

④ $(y - y_1) =$

⑤ Standard Error S_x

0 = 500

⑥ Standard Error S_y

⑦ DAMAGE LENGTH

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

③+④ $\boxed{\rightarrow r, \theta}$ =

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

$\boxed{x \leftrightarrow y}$ =

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

⑤+⑥ $\boxed{\rightarrow r, \theta}$ =

⑩ $\beta = \dfrac{\tan^{-1} S_L}{L}$

⑦+⑨ $\boxed{\rightarrow r, \theta}$

$\boxed{x \leftrightarrow y}$ =

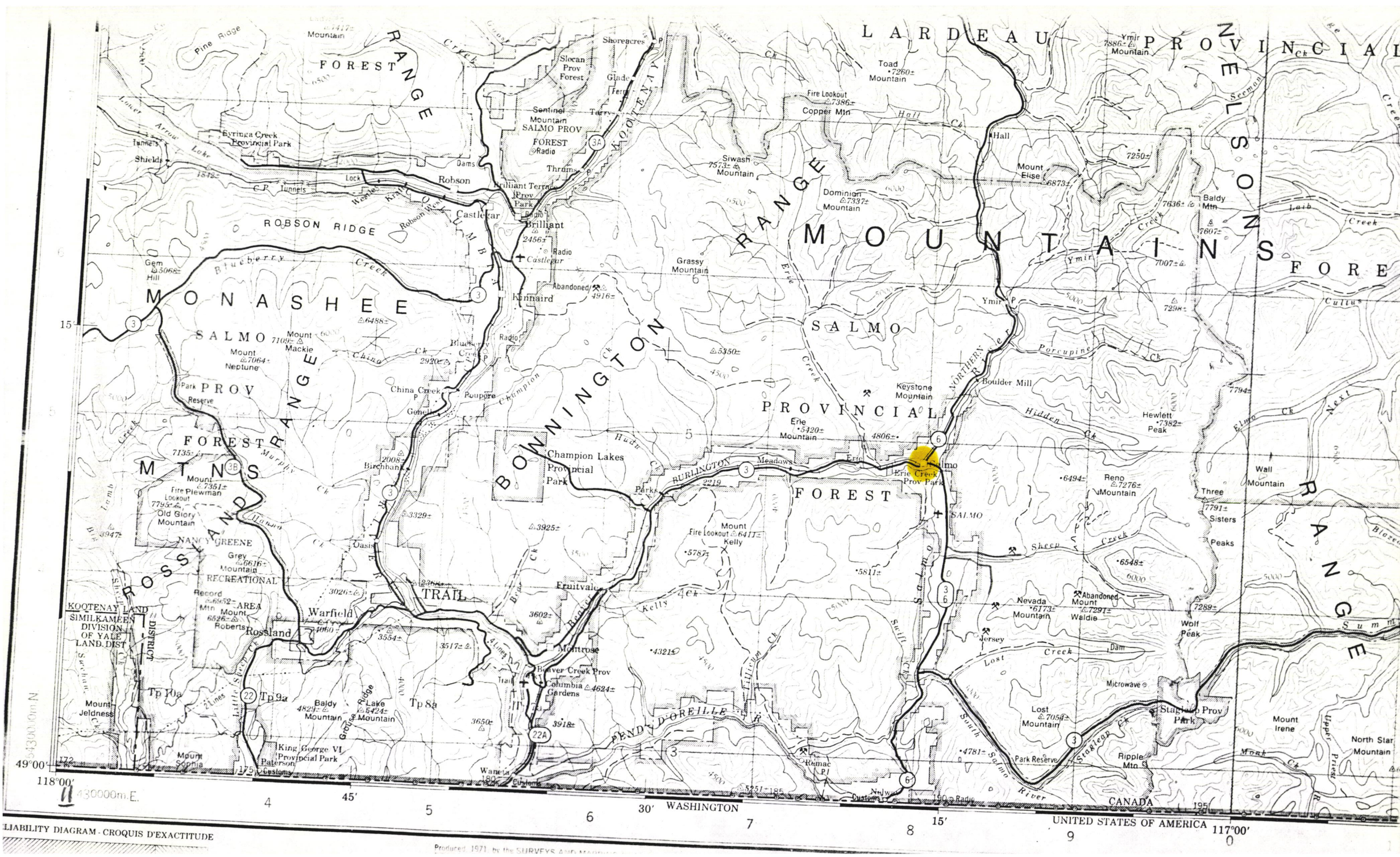
NE quad $\phi = 90 - \alpha$

NW quad $\phi = 270 + \alpha$

SW quad $\phi = 270 - \alpha$

SE quad $\phi = 90 + \alpha$

⑪ $\phi =$



LIABILITY DIAGRAM - CROQUIS D'EXACTITUDE

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