B

TORNADO PROJECT SUMMARY SHEET

F=1

1. DATE AND TIME July 27 '65

2. LOCATION OR PATH (attach map) Castlegar A BC.

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

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;

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

10. TOTAL DAMAGE ESTIMATE $ 4 11. TOTAL DEATHS none

12. TOTAL INJURED none 13. TOTAL HOMELESS none

14. LIST ALL REFERENCES

Vancouver Province, July 28 '65

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

- Cessna plane carried ¼ mile
- water bomber blown into side hanger
- Similar to storm in 1974

WORKSHEET

IDTO 10965-01

① ORIGIN x 11434000

y 5461000

⑤ Standard Error S_x

0 = 500

② LIFT-OFF x_1

y_1

⑥ Standard Error S_y

③ $(x_1 - x)$ =

④ $(y - y_1)$ =

⑦ DAMAGE LENGTH

$L = [(x_1 - x)^2 + (y - y_1)^2]^{1/2}$ ⑧ $\alpha = \tan^{-1} \frac{|y - y_1|}{|x - x_1|}$

③+④ $\boxed{\rightarrow r, \theta}$ =

$\boxed{x \leftrightarrow y}$ =

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

⑤+⑥ $\boxed{\rightarrow r, \theta}$ =

⑩ $\beta = \frac{\tan^{-1} S_L}{L}$

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 $\phi = 90 + \alpha$

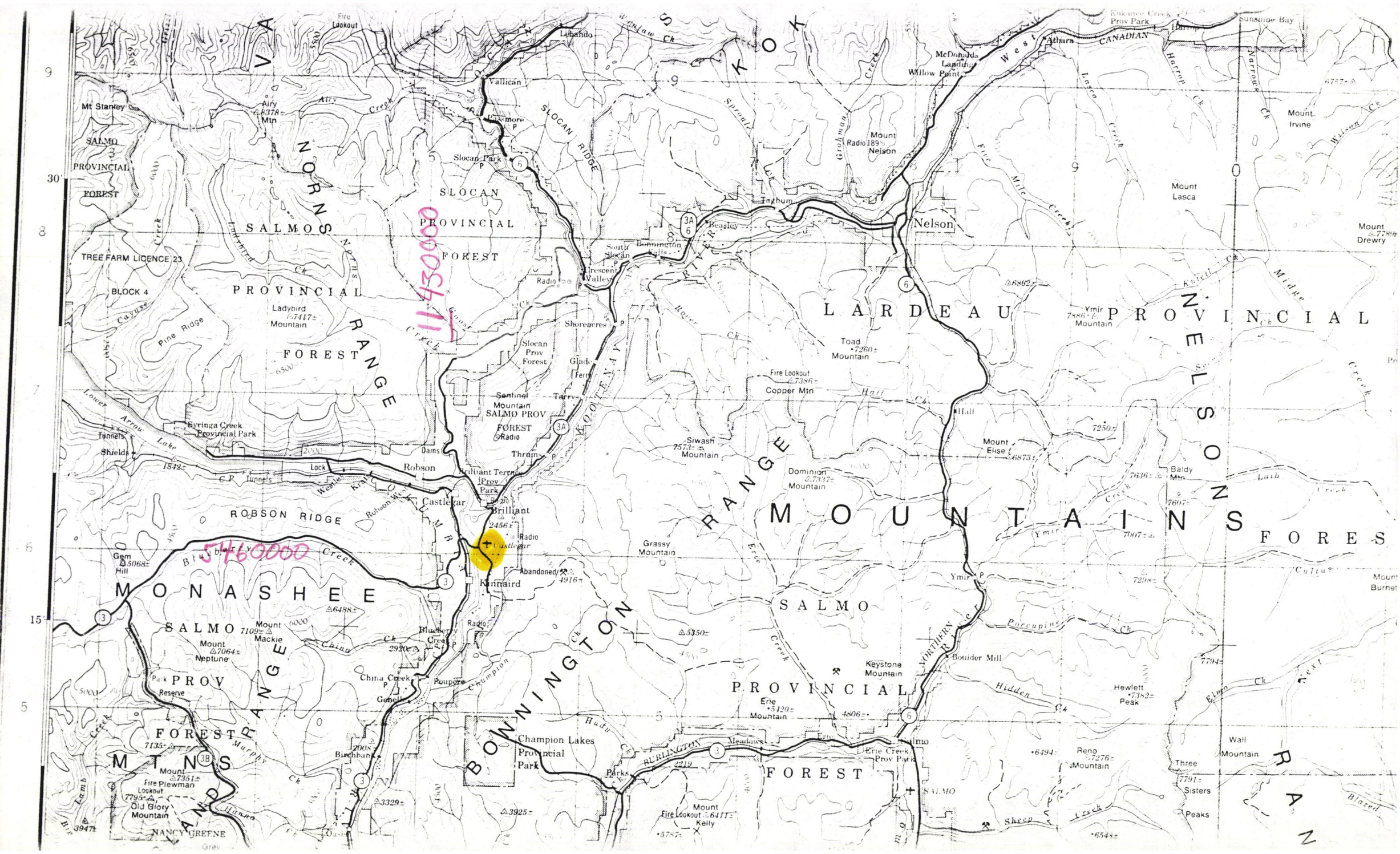
⑪ ϕ =

Time, date & location of occurrence - July 27, 1965 at Castlegar Airport, B.C.

(8)

No injuries occurred but four planes were damaged. A Cessna Training aircraft anchored to the ground with three 100 pound concrete blocks was swept up with the blocks and carried one quarter mile. It cleared a six foot fence, crossed a highway and smashed into a ditch, a total loss. Another trainer was picked up and impaled on a metal pole. An Avenger water bomber was blown into the side of a hangar suffering tail damage and a spotter plane was damaged to a lesser extent.

This occurrence was reported in the Vancouver Province on July 28, 1965.


5460000
5430000
SALMO PROVINCIAL FOREST
TREE FARM LICENCE 23
BLOCK 4
SLOCAN PROVINCIAL FOREST
SALMO RIVER RANGE
SELKIRK MOUNTAINS
LARDEAU RANGE
PURCELL MOUNTAINS
MONASHEE MOUNTAINS
ROBSON RIDGE
BONNINGTON RANGE
SELKIRK MTNS
NANCY GREENE
Mt Stanley
Airy Mtn
Ladybird Mountain
Byrnga Creek Provincial Park
Castlegar
Brilliant
Kinnaird
Champion Lakes Provincial Park
Mount Mackie
Mount Neptune
Mount Fleming
Old Glory Mountain
Fire Lookout
Vallican
Slocan Park
Nelson
Mount Nelson
Mount Lasca
Mount Irvine
Mount Drewry
Toad Mountain
Copper Mtn
Mount Elise
Baldy Mtn
Ymir Mountain
Grassy Mountain
Siwash Mountain
Dominion Mountain
Keystone Mountain
Erie Mountain
Hewlett Peak
Reno Mountain
Wall Mountain
Three Sisters Peaks
Boulder Mill
Meadows
Erie Creek Prov Park
Kokanee Creek Prov Park
Sunshine Bay
Balfour
Willow Point
McDonalds Landing
Athalmer
Lardeau
Ymir
Salmo
Crescent Valley
Shoreacres
Glade
Tarry's
Sentinel Mountain SALMO PROV FOREST
Slocan Prov Forest
Bonnington Falls
South Slocan
Beasley
Taghum
Procter
Harrop
Robson
Shields
Tunnels
Lock
Dams
Throne
Gem Hill
Blueberry Creek
China Creek
Poupore
Genelle
Champion Creek
Murphy Creek
Lamb Creek
Birchbank
Parks
Burlington
Sheep Creek
Porcupine Creek
Hidden Creek
Elmo Creek
Hall Creek
Lemon Creek
Harrop Creek
Laurie Creek
Fifteen Mile Creek
Redman Creek
Sproule Creek
Airy Creek
Fourteen Creek
Cayuse Creek
Pine Ridge
Lower Arrow Lake
Upper Arrow Lake
Kootenay River
Columbia River
Slocan River
Goose Creek
Midge Creek
Kaslo
Nakusp
Arrowhead
Fire Lookout
Radio
Abandoned
Tunnels
Reserve
Park
Prov
Forest
Mountain
Creek
Lake
River
Ridge
Range
Mountains
Forest
Provincial
Park
Lookout
Hill
Peak
Mtn
Ck
Sta
Jct
Ferry
Falls
Valley
Landing
Point
Bay
Meadows
Sisters
Peaks
Drewry
Irvine
Lasca
Elise
Baldy
Ymir
Toad
Copper
Siwash
Dominion
Grassy
Keystone
Erie
Hewlett
Reno
Wall
Three
Boulder Mill
Champion Lakes
Bonnington
Monashee
Selkirk
Purcell
Lardeau
Salmo River
Columbia
Kootenay
Slocan
Arrow Lake
Robson Ridge
Nancy Greene
Monashee Mountains
Selkirk Mountains
Purcell Mountains
Lardeau Range
Bonnington Range
Salmo River Range
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Slocan Ridge
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Storm Date:
Tues July 27th 65

The Daily Province

July 28, 1965

Page 1

Storms set fire havoc

Lightning and windstorms over much of southern B.C. kept firefighters busy for the second day.

A short, violent storm struck the Pemberton and Hope areas Tuesday, setting several new fires and forcing a fire-spotter plane back to base.

More storms plagued Lytton, Ashcroft, Manning Park and the Okanagan Valley. Spotter planes sighted 23 new fires Tuesday afternoon, and others are expected today.

A spokesman said it was one of the worst days of the year. "But most are very small, and with the bombers we are able to get them controlled in a hurry."

Thunderstorms Monday had set 86 new fires, 56 of them in the Nelson area.

A spectacular tornado-like windstorm caused havoc at Castlegar airport.

A Cessna training plane,

(Continued on next page)
(See FIRE)

Continued from Page 1

Fire havoc growing

anchored to the ground with three 100-pound concrete blocks, was swept up with the blocks and carried a quarter of a mile. It cleaved a six-foot fence, crossed a highway and smashed into a ditch on the other side, a total loss.

Another trainer was picked up and impaled on a metal pole holding the weatherman's wind vane. Both planes were owned by Waneta Airways.

Two forest service planes were also damaged. An Avenger water bomber was blown into the side of a hangar and suffered tail damage, and a spotter plane suffered wing damage.

"It was like a tornado," said Paul Fleury, manager of Waneta Airways. "The gusts must have been over 100 miles an hour.

"I was flying back from Revelstoke and was about to land when I saw the lightning flashes. I high tailed it for the airport at Grand Forks."

The storm also caused several power failures in the area.

The weatherman predicts fewer thunderstorms, but hotter, drier weather for most of B.C. So firefighters expect to keep busy. Hazards in most areas are high. Ashcroft has an "extreme" rating.

Vancouver may equal Monday's record high temperature of 81 today. The weatherman predicts 80.

It cooled off to a comfortable 71 Tuesday, but it should be hot for the next few days.