B TORNADO PROJECT SUMMARY SHEET F=1 BC

1. DATE AND TIME Monday June 24 '74 6:00 PST

2. LOCATION OR PATH (attach map) Castlegar 1097401

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.) Dust storm

10. TOTAL DAMAGE ESTIMATE $ 15,000 11. TOTAL DEATHS 0

12. TOTAL INJURED 0 13. TOTAL HOMELESS 0

14. LIST ALL REFERENCES Castlegar News : Wed June 26 '74

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

- Cessna 140 blown ¼ mile, lifted over a 6 foot fence
- another plane, despite being held by 2100 lb weights was blown over on it back.
- hanger had a side and rear wall blown out and foundation twisted

WORKSHEET

IDTO 10974-01

① ORIGIN x 1143 4000

y 5461000

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

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

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

③+④ [⇒ r, θ] = . .

[x ↔ y] = .

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

⑤+⑥ [→ r, θ] = ..

⑩ $\beta = \dfrac{\tan^{-1} S_L}{L}$

⑦+⑨ [→ r, θ]

[x ↔ y] =

NE Quad $\phi = 90 - \alpha$

NW Quad $\phi = 270 + \alpha$

SW Quad $\phi = 270 - \alpha$

SE quad $\phi = 90 + \alpha$

⑪ $\phi =$

Castlegar News
Wednesday June 26, 1974
Page 1

Storm Date:
Monday June 24 '74

Storm Causes Damage To 5 Planes At Airport

A freak storm that lashed West Kootenay early Monday night created widespread damage and destruction at the Castlegar airport where every plane on the field but one was extensively damaged or totally wrecked.

Power failures, downed hydro and telephone lines, fallen trees, and spot fires started by lightning were reported from virtually every sector of the area.

A gale-force wind estimated at between 75 and 100 miles an hour struck the Castlegar airport for less than five minutes, leaving in its wake one plane totally wrecked and four others severely damaged.

A Waneta Airways Cessna 140 broke its tie ropes, and was blown more than a quarter mile off the airport, was lifted over a six-foot fence and over heavy equipment parked near the field. The plane was described as a [illegible]

A Cessna 150 owned by Edward Lucas also broke its tie ropes, was lifted by the force of the wind and thrown nose-first into the midst of pumping equipment in the gas storage area.

Another Waneta Airways Cessna was blown over on its back damaging the wings and windshields. The planes were tied to 2,100 lbs weights.

Two Skyways planes working on contract to B.C. Forest Service were extensively damaged. One an Avenger water bomber, was spun around damaging its tail section when it struck a CPA loading platform. A Cessna Bird Dog was flipped over on one wing.

The Castlegar Flying Club hangar was extensively damaged when a side and rear wall were blown out, and the structure twisted on its footings. A plane in the hangar was undamaged.

The heavy wind came about 7 p.m. and was preceeded in the Castlegar area by a blinding dust storm. Residents of the village said that visibility during the storm was nil and that it lasted for about 15 minutes.

An airport spokesman at Castlegar estimated that damage and loss to planes ranged from $12,000 to $15,000.

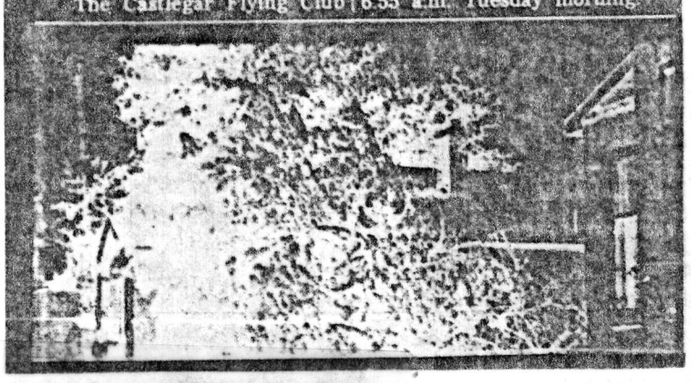
Force of the winds also knocked down a COA wind recorder, and metal wind direction indicators.

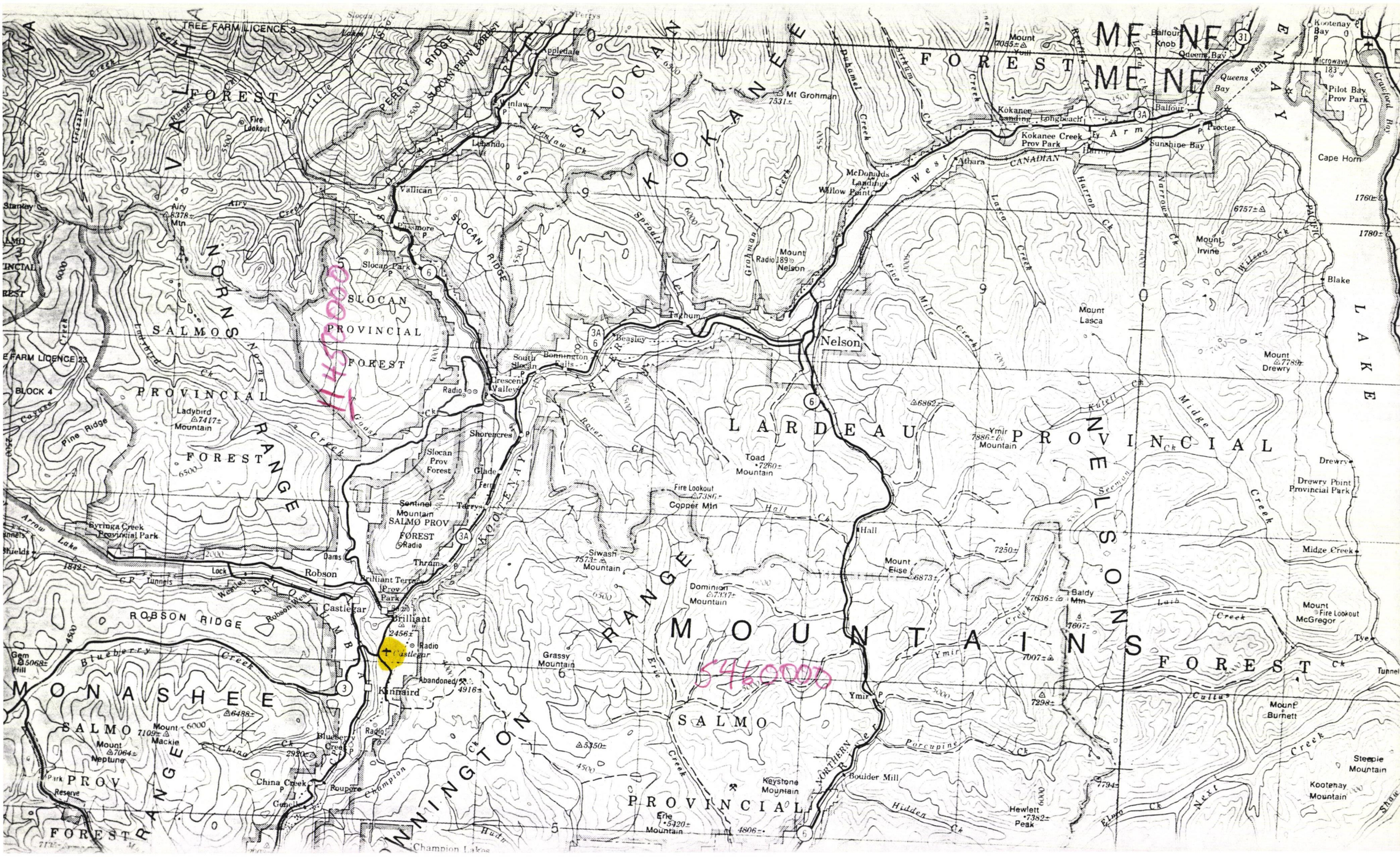
A check of the district revealed widespread havoc which was concentrated mostly on power failures and tree uprooting.

Most seriously hit centres were Castlegar and Fruitvale, where storm-hit power lines blacked out the areas from between 1¼ to two hours. Power lines were sliced by falling trees on Champion Lake road and in Fruitvale trees blocked several streets in the village. A few tree tops were blown off by the gale like winds which hit the areas about 7.30 p.m. A power failure was also reported in parts of Kinnaird, which lasted for about 1½ hours.

In Woodland Park several trees were blown down and there was a power failure there for almost three hours caused by a transformer blowing up when a tree hit it.

Power was off a Cedar St. West from 7.30 p.m. Monday to 6.55 a.m. Tuesday morning.




TREE FARM LICENCE 3
TREE FARM LICENCE 23
BLOCK 4
SLOCAN FOREST
SLOCAN PROVINCIAL FOREST
SALMO NORTHS PROVINCIAL FOREST
SALMO NORTHS PROVINCIAL FOREST
SLOCAN RANGE
PERRY RIDGE
SLOCAN PROV FOREST
SLOCAN RIVER
SLOCAN LAKE
KOOTENAY RIVER
KOOTENAY LAKE
WEST ARM
NORTH ARM
CANADIAN PACIFIC
LARDEAU RANGE
SELKIRK MOUNTAINS
SALMO PROVINCIAL FOREST
ROBSON RIDGE
MONASHEE RANGE
MONASHEE MOUNTAINS
SALMO PROV PARK RESERVE
FOREST
Slocan
Perrys
Appledale
Winlaw
Lemando
Vallican
Passmore
Slocan Park
Airy Mtn 8378±
Airy Creek
Russet Creek
Little Slocan River
Fire Lookout
Stanley
Mt Grohman 7531±
Duhamel Creek
Sitkum Creek
Mount 7055± Youll
Balfour Knob
Queens Bay
Kootenay Bay
Microwave
Pilot Bay Prov Park
Crawford Bay
Kokanee Landing
Longbeach
Balfour
Procter
Kokanee Creek Prov Park
Sunshine Bay
Cape Horn
McDonalds Landing
Willow Point
Athara
Harrop
Lasca Creek
Mount Irvine
Blake
Mount Lasca
Mount 7789± Drewry
Grohman Creek
Sproule Creek
Five Mile Creek
Mount Radio 189 Nelson
Taghum
Beasley
Bonnington Falls
South Slocan
Crescent Valley
Nelson
Shoreacres
Glade
Fern
Slocan Prov Forest
Ladybird 7417± Mountain
Pine Ridge
Coffee Creek
Goose Creek
Toad 7260± Mountain
Ymir 7886± Mountain
Kutell Creek
Midge Creek
Drewry
Drewry Point Provincial Park
Fire Lookout 7380± Copper Mtn
Hall Creek
Hall
Sentinel Mountain SALMO PROV FOREST Radio
Terry
Thrums
Syringa Creek Provincial Park
Arrow Lake
Dams
Lock
Tunnels
Robson
Brilliant Terrace Prov Park
Castlegar
Brilliant
Radio
Kinnaird
Abandoned
Siwash 7573± Mountain
Dominion 7317± Mountain
Mount Elise 6873±
Baldy Mtn 7636±
Midge Creek
Mount Fire Lookout McGregor
Tye
Tunnel
Grassy Mountain
Erie Creek
Ymir
Ymir 7007±
Cultus
Mount Burnett
Porcupine Creek
Keystone Mountain
Boulder Mill
Hewlett 7382± Peak
Steepie Mountain
Kootenay Mountain
Next Creek
Gem 5068± Hill
Blueberry Creek
Mount 7109± Mackie
Mount 7064± Neptune
China Creek
Roupore
Champion Lakes
Champion Creek
Hidden Creek
Erie 5420± Mountain
Elans Creek
Shaw
Robson West
Lemon Creek
Lasca Creek
Harrop Ck
Five Mile Creek
Sproule Creek
Grohman Creek
Duhamel Creek
Sitkum Creek
Airy Creek
Russet Creek
Little Slocan River
Wynlaw Ck
Coffee Creek
Goose Creek
Pine Ridge
Ladybird 7417± Mountain
Kutell Creek
Midge Creek
Seeman Creek
Hall Creek
Arrow Lake
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