B

TORNADO PROJECT SUMMARY SHEET

F=?

1. DATE AND TIME: early summer 1964 possibly June

2. LOCATION OR PATH (attach map): upper ELK River

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 $ 11. TOTAL DEATHS

12. TOTAL INJURED 13. TOTAL HOMELESS

14. LIST ALL REFERENCES

Victoria Daily Colonist Aug 14 '64

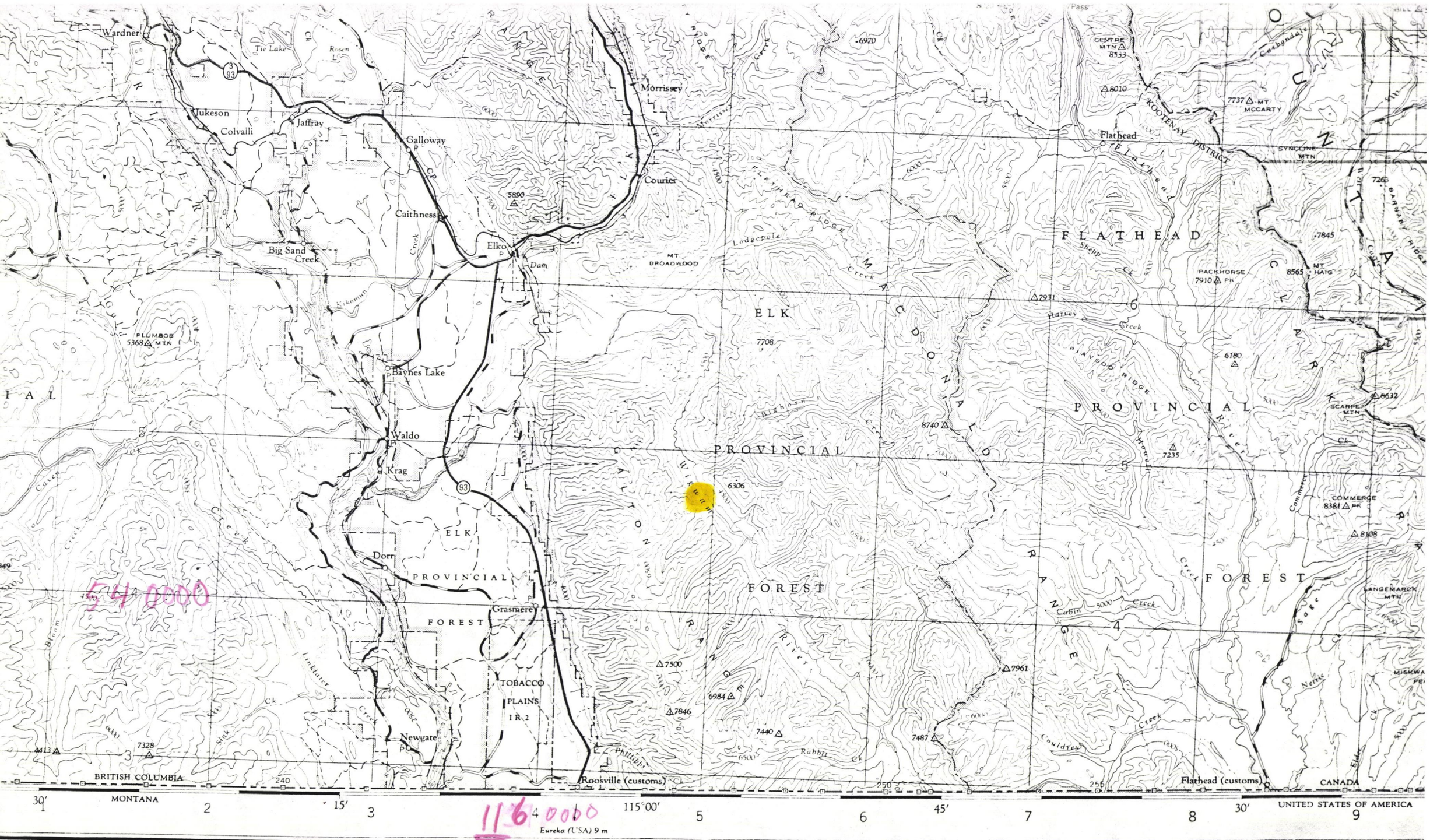
15. SUMMARIZE REMARKS PERTAINING TO (a) FUNNEL; (b) INTERESTING OR CAPRICIOUS EVENTS.

— long narrow swath of 90,000 acres of flattened marketable timber

(5) Time, date & location of occurrence - mid-June 1964 in virtually uninhabited country between the upper Elk River and the Montana boundary in south eastern B.C.

A long, narrow swath of 90,000 acres of flattened marketable timber was discovered during an air and land survey carried out in August 1964 by forestry officials. The officials assumed the destruction had been caused by a tornado earlier in the year.

This occurrence was reported in the Victoria Daily Colonist and the Daily Times on August 14, 1964.


Wardner
Tie Lake
Rosen L
Jukeson
Colvalli
Jaffray
Galloway
Morrissey
Courier
Caithness
Elko
Dam
Big Sand Creek
Kikomun
Baynes Lake
Waldo
Krag
Dorr
Grasmere
Newgate
Roosville (customs)
Flathead (customs)
Flathead
KOOTENAY DISTRICT
CENTRE MTN
MT MCCARTY
SYNCLINE MTN
FLATHEAD RIDGE
MT BROADWOOD
Lodgepole Creek
FLATHEAD
ELK
PROVINCIAL
FOREST
MACDONALD RANGE
GALTON RANGE
PLIAYSOD RIDGE
PACKHORSE PK
MT HAIG
SCARPE MTN
COMMERCE PK
LANGEMARCK MTN
TOBACCO PLAINS IR 2
PLUMBOB MTN
BRITISH COLUMBIA
MONTANA
CANADA
UNITED STATES OF AMERICA
115°00′
Eureka (USA) 9 m
540000
116000

WORKSHEET

IDTO 1096401

① ORIGIN x 11649000
y 5448000

② LIFT-OFF x_1
y_1

③ $(x_1 - x) =$

④ $(y - y_1) =$

⑤ Standard Error S_x
0 = 5000

⑥ Standard Error S_y

⑦ DAMAGE LENGTH

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

③+④ [→ r, θ] =

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

[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 $\phi =$