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TORNADO PROJECT SUMMARY SHEET

1. DATE AND TIME Aug. 21, 1988 2230 MDT

2. LOCATION OR PATH (attach map) Fort Vermilion, Alta.

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

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

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

b) - campground NE of town suffered extensive damage.

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* 1988 Alta. Annual Report

APPENDIX "C"

All 1988 Tornadoes are "A" unless otherwise noted.

June 4* LIGHTNING COUNT

(cont'd) Over 8000 strikes in the Eastern and Southern Alberta regions

June 5* TORNADO

At least five (5) TORNADOES touched down in Alberta during the early morning hours of June 5, 1988 with a further three (3) events classified as probable tornadoes. The areas affected were:

DIDSBURY/OLDS
BLACK DIAMOND/DALEMEAD/ROCKYFORD
west of CAMROSE
DUHAMEL (20 KM SW OF CAMROSE)
WILLINGDON/VILNA/BELLIS
CLIVE

probable:
KINGMAN (NORTH OF CAMROSE)
north of TOFIELD - HILLIARD

following are damage reports from these areas:

OLDS (Red Deer Region) 0129 MDT a concrete stave silo was lost, water tanks destroyed, part of a house torn away, trees knocked

June 5* (cont'd) OLDS (Red Deer Region) 0130 MDT damage to the roof of the Sportsplex reported as well as grain bins moved, forty (40) large trees downed, some hitting the west side of a house causing damage to the roof and chimney

HIGH RIVER to BLACK DIAMOND (Calgary Region) 0200 MDT roof and tree damage reported with winds described as "hurricane force"

1 mile SE of DALEMEAD (Calgary Region) 0200 MDT a water tank was moved to the east opposed to the generally northward spread of debris; also an animal shelter lifted over a fence

4 miles NW of GLADYS RIDGE (Calgary Region) 0200 MDT a twenty (20) foot tree was uprooted, a garage was demolished, and a shed roof was damaged

ALDERSYDE (Calgary Region) 0200 MDT a gasoline tank was picked up and moved over two (2) fences, a heavy flatbed wagon moved through two (2) gates without damaging them, roof splinters were "driven" into the ground like spears, and grain bins were lost

SW of CAYLEY (Calgary Region) 0200 MDT a support member of a shed was torn from its concrete footing, trucking company had twenty-two (22) cars damaged (mostly broken windows), a large trailer was dragged for 100 feet then flipped over

June 5* (cont'd) DALEMEAD (Calgary Region) 0200 MDT two (2) sheep were killed, damage reported to roofs, old buildings, steel bins, and trees

HIGH RIVER (Calgary Region) 0230 MDT three (3) TransAlta towers were downed causing a power outage for four (4) hours, the severe weather lasted an estimated fifteen (15) minutes with generally tree and roof damage reported, a sixty (60) year old tree was broken in half, thirty-six (36) trees in a shelterbelt were snapped, a "whistling noise" was reported and the event was described as "being sucked up by a giant vacuum cleaner"

STAVELY (Calgary Region) 0330 MDT three (3) power transmission towers were downed

CLIVE (Red Deer Region) 0230 MDT a TORNADO was sighted, extensive damage was reported to buildings and machinery, trees uprooted, with hail and strong winds associated with the twister...a two (2) car garage was lifted off its foundation, a boat was sent 200 yards over a hog barn, five (5) farm buildings were damaged as the funnel was seen moving away

June 5* (cont'd) BASHAW to FERINTOSH (Red Deer / Edmonton Regions)

0300-0400 MDT a roof was removed from a house and a shed was moved

CAMROSE AREA (Edmonton Region) 0330 MDT the following was reported:

roof damage, grain lost, power poles downed (with power lines fused together) 27 poles to south of CAMROSE and 6 to the west, a severe thunderstorm accompanied by a TORNADO with winds estimated to 150 kmh (96 mph) at 0300 MDT with an area from LACOMBE to VILNA affected with the NEW NORWAY and DUHAMEL areas hardest hit (8 MILES BY 35 MILES), three (3) homes were severely damaged with a large number of reports of granary and shelterbelt damage, a three (3) car garage is "missing", hog and chicken barns, and cattle sheds were ripped apart, the sound was described as a "noise like a low flying jet", also reported was hail and inches of rain, extensive damage to power lines, a hangar and farm buildings were destroyed with a roof and ceilings moved 200 feet away

June 5* (cont'd) TOFIELD AREA - HILLIARD (Edmonton Region) 0300 MDT tree and cattle feeder damage

HILLIARD FLATS (Edmonton / St Paul Regions) 0400 MDT roof and shed damage

HOLDEN (St Paul Region) 0430 MDT twenty-six (26) transmission poles lost

2 miles W of TOFIELD (Edmonton Region) 0400 MDT a two (2) foot diameter tree downed, grain and wooden bins destroyed, fuel tanks gone, tree damage to an area 100' by 300' with shed and machine shop damage

WILLINGDON (St Paul Region) 0430 MDT a farmstead practically destroyed by a TORNADO with only a log house and gas tanks left standing, "mass of dark clouds with long funnel 'siphoning' down to the earth", two (2) walls from house gone, roof 200' away with debris scattered over 25 acres

TOFIELD (Edmonton Region) 0300 to 0500 MDT grain reserves gone, trees downed, bins tipped, 30' "strip" of damage across a yard and three (3) granaries damaged, 60' harrow moved

June 5* (cont'd) 2 miles S OF VILNA (St Paul Region) 0500 MDT an open garage moved 2' off its foundation, trees snapped in half, extensive damage to power lines, hangar and farm buildings destroyed

10 miles N of BELLIS (St Paul Region) TORNADO removed roof and destroyed a shed

CYPRESS HILLS PROVINCIAL PARK (Medicine Hat Region) 2330 MDT TORNADO reported "touching down and retracting". No damage reports

HAIL

CANMORE (Calgary Region) 0015 MDT reported grape to GOLFBALL size hail with trees uprooted and four (4) power poles down

COCHRANE (Calgary Region) 0015 MDT twenty (20) reports of hail damage from ACME to INDUS, most of which were minor

LIGHTNING COUNT

Over 9000 strikes along the Southern Foothills, Southern Alberta and the Eastern Border