

500mb heights forecasted for the afternoon

The red long-dashed lines indicate the forecasted 500mb height field. This field is intended to give an idea of the movement of the weather systems affecting the forecast zones. Other significant features such as upper ridges or troughs will be mentioned in the synopsis.

Surface map features

The solid black lines indicate the surface pressure field at every 4mb interval. Circulations of low or high pressure are also labeled as "L" or "H", while frontal boundaries are indicated with their corresponding symbols. Significant features that impact fire weather operations are always mentioned in the AM synopsis.

Included for each forecast zone are:

- forecast maximum temperatures
- forecast minimum relative humidities
- type of precipitation
- wind speed with direction

This data is taken directly from the AM or PM forecast.

For questions about how to interpret the forecast map, contact Alberta Wildfire's Weather Section at wf.awcc@weather@gov.ab.

Glossary and symbols

14 Forecast Zones

Code	Name
OJ	High Level
FV	Fort Vermilion
MA	Mackenzie
RE	Red Earth
GP	Grande Prairie
SH	Swan Hills
PY	Fort Chipewyan
MM	Fort McMurray
LB	Lac La Biche
ED	Edson
RM	Rocky
BO	Bow
CR	Crow
CH	Cypress Hills
XD	Edmonton
JA	Jasper
BA	Banff
WA	Waterton

Precipitation Amount

Code	Description
L	≥0.5 – ≤5.0 mm
M	>5.0 - ≤20.0 mm
H	>20 mm

Precipitation Types

Type	Description
A	Hail/ice Pellet
L	Drizzle
R	Rain
RW	Rain shower
TRW	Thundershower
S	Snow
SW	Snow shower
TSW	Thundersnow
ZR	Freezing Rain

Lightning Probability Rating Types

Code	Description
L	Low
M	Moderate
H	High

Lightning Frequency Rating Types

Code	Description
I	Isolated
S	Scattered
W	Widespread

Fire Danger Indices Trend Types

Code	Description
DN	Downward
LC	Little Change
UP	Upward

W	Warm Centre (red)	H	High Pressure Centre (blue)
C	Cold Centre (blue)	L	Low Pressure Centre (red)
	Cold Front (blue)		Thunderstorm (red/green)
	Cold Front Aloft (blue)		Freezing Rain (red)
	Warm Front (red)		Freezing Drizzle (red)
	Warm Front Aloft (red)		Tornado (red)
	Stationary Front (red/blue)		Rain (green)
	Occluded Front (purple)		Drizzle (green)
	Cold Frontogenesis (blue)		Snow (green)
	Warm Frontogenesis (red)		Showers (green)
	Stationary Frontogenesis (red/blue)		Snow Showers (green)
	Cold Frontolysis (blue)		Fog (yellow)
	Warm Frontolysis (red)		Smoke (Orange)
	Stationary Frontolysis (red/blue)		
	Occluded Frontolysis (purple)		
	Trough (brown)		
	Upper Trough (purple)		
	Trowal (Trough of Warm Air Aloft) (red/blue)		
	Ridge (blue)		
	Area of Rainshowers /Snow Showers (green)		
	Area of Rain or Snow (green)		
	Area of Middle Level Cloud (brown)		
	Area of Low Level Cloud (purple)		