MODIS Active Fire Detections - June 1, 2014

Alberta

HWF053
GB0482
WWF021

Edmonton
Calgary
Red Deer
Lethbridge
Fort McMurray
Grande Prairie
Peace River
Fort Vermilion
High Level
Rainbow Lake
Hay River
Fort Nelson
Old Fort Nelson
Fort Smith
Fond-du-Lac
Chipewyan Lake
Wabasca-Desmarais
Lac La Biche
Cold Lake
Lloydminster
Drumheller
Hinton
Edson
Whitecourt
Jasper
Banff
Canmore
Cochrane
Okotoks
Strathmore
Chestermere
Airdrie
Olds
Didsbury
Three Hills
Innisfail
Sundre
Rocky Mountain House
Drayton Valley
Leduc
Beaumont
Devon
Stony Plain
Spruce Grove
Wabamun
Fort Saskatchewan
Sherwood Park
St. Albert
Morinville
Gibbons
Redwater
Bon Accord
Legal
Barrhead
Westlock
Athabasca
Smoky Lake
Waskatenau
Vilna
Two Hills
Vermilion
Wainwright
Provost
Consort
Coronation
Oyen
Hanna
Stettler
Castor
Coronation
Bodo
Veteran
Altario
Consort
Empress
Acadia Valley
Brooks
Bassano
Tilley
Suffield
Medicine Hat
Redcliff
Dunmore
Taber
Vauxhall
Coaldale
Fort Macleod
Claresholm
Nanton
Vulcan
Milo
Champion
Lomond
Enchant
Carmangay
Stavely
Granum
Nobleford
Picture Butte
Barons
Turin
Grassy Lake
Burdett
Bow Island
Foremost
Etzikom
Wrentham
Magrath
Raymond
Stirling
Warner
Milk River
Coutts
Del Bonita
Carway
Cardston
Mountain View
Waterton Park
Crowsnest Pass
Blairmore
Coleman
Frank
Pincher Creek
Glenwood
Hillspring
Spring Coulee
Manyberries
Consul
Robsart
Eastend
Admiral
Shaunavon
Maple Creek
Piapot
Walsh
Tompkins
Gull Lake
Webb
Golden Prairie
Schuler
Hilda
Richmond
Fox Valley
Hazlet
Swift Current
Wood Mountain
Empress
Leader
Sceptre
Prelate
Abbey
Cabri
Pennant
Stewart Valley
Kyle
Burstall
Jenner
Patricia
Duchess
Rosemary
Arrowwood
Gleichen
Carseland
Bassano
Sunnynook
Cereal
Youngstown
Delia
Munson
Morrin
Linden
Carbon
Acme
Beiseker
Crossfield
Drumheller
Rockyford
Rosebud
Standard
Hussar
Langdon
Strathmore
Chestermere
Cochrane
Morley
Bragg Creek
Black Diamond
Turner Valley
Longview
High River
Calgary
Okotoks
Canmore
Exshaw
Banff
Lake Louise
Field
Golden
Parson
Harrogate
Spillimacheen
Brisco
Edgewater
Radium Hot Springs
Invermere
Windermere
Fairmont Hot Springs
Canal Flat
Wasa
Kimberley
Cranbrook
Jaffray
Fernie
Elko
Baynes Lake
Moyie
Yahk
Kingsgate
Creston
Wynndel
Kitchener
Yahk
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Wood Mountain

MODIS Orbit Tracks - June 1 PM

AQUA PM - Ascending (UTC)
TERRA PM - Decending (UTC)

LEGEND

Map Current As Of June 1, 2014 - 1300 MDT

- Fire Detection (Last 6 hours)
- Fire Detection (Last 12 hours)
- Fire Detection (Last 24 hours)
- Fire Detection (Since January 1st)
- VISTA Incident Name
- Expressway
- Primary/Secondary Road

Elevation

Meters	Feet
3,500 & Above	12,000 & Above
3,000	11,000
2,500	10,000
2,000	9,000
1,500	8,000
1,000	7,000
500	6,000
0 Meters	5,000
	4,000
	3,000
	2,000
	1,000
	0 Feet

0 20 40 60 80 100 miles

0 20 40 60 80 100 kilometers

Transverse Mercator Projection

This map, compiled by the USDA Forest Service Active Fire Mapping Program in cooperation with interagency and institution partners, displays the location and relative detection time of all types of all observable fires and other thermal activity through the specified date/time. Fire activity is identified from high temporal, synoptic view, multispectral observations collected by the Moderate Resolution Imaging Spectroradiometer (MODIS). MODIS is currently onboard the polar-orbiting NASA EOS satellite platforms Terra and Aqua. Each MODIS instrument provides multiple thermal observations of the Earth in the mid to high latitudes on a daily basis.

The Active Fire Mapping Program utilizes near real-time direct readout MODIS imagery from both Terra and Aqua collected by the Active Fire Mapping Program and interagency/institution partners, and MODIS imagery and data products provided by the NASA MODIS Rapid Response System. Detectable fire activity at the time of satellite overpass are identified and characterized at 1km spatial resolution using the latest version of the MODIS Active Fire Product (MOD14/MYD14) algorithm. A detected fire does not necessarily mean that the entire area represented by the 1km pixel is on fire. A detection may be the result of intense fire activity covering a small fraction of the pixel area or fire activity occurring over a broader area. Fire detection omission/comission errors may occur due to input data anomalies, limited satellite observation conditions, and/or potential algorithm limitations.

Use of this map for other than its intended purpose may yield inaccurate or misleading results. The Forest Service attempts to use the most current and complete geospatial data available, and reserves the right to correct, update or modify geospatial inputs to this map without notification. For additional information, please contact the Forest Service Remote Sensing Applications Center (RSAC) at 801-975-3750.