# GOES Active Fire Detections - October 28, 2014

Eastern Geographic Area (Northern Midwest)

## LEGEND

*Map Current As Of October 28, 2014 - 0300 MDT*

- Fire Detection (Last 6 hours)
- Fire Detection (Last 12 hours)
- Fire Detection (Since January 1st)
- VISTA Incident Name
- Interstate Highway
- U. S. Highway

Elevation

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

Albers Equal-Area 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 datetime. Fire activity is identified from high temporal, synoptic view, multispectral observations collected by the GOES Imager instrument onboard geostationary NOAA GOES satellite platforms. GOES satellites, focused on eastern and western North America provide continual thermal observations of the continent at a rate of multiple times per hourly time period.

The Active Fire Mapping Program utilizes near real-time GOES imagery and derived data products provided by NOAA/NESDIS to construct this product. Fire activity visible at the time of satellite observation are identified and characterized at 4km spatial resolution using the latest version of the Wildfire Automated Biomass Burning Algorithm (WF ABBA). A detected fire does not necessarily mean that the entire area represented by the 4km 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.

97° 96° 95° 94° 93° 92° 91° 90° 89° 88° 87° 86° 85° 84° 83° 82°

49° 48° 47° 46° 45° 44° 43° 42°

Pembina, Hallock, Roseau, Warren, Thief River Falls, Grand Forks, Red Lake Falls, Crookston, Fertile, Hillsboro, Ada, Mahnomen, Bemidji, Cass Lake, Twin Valley, Fargo, West Fargo, Hawley, Detroit Lakes, Frazee, Barnesville, Perham, New York Mills, Wadena, Menahga, Park Rapids, Walker, Cohasset, Grand Rapids, Hibbing, Chisholm, Virginia, Eveleth, Orr, Silver Bay, Two Harbors, Duluth, Superior, Cloquet, Scanlon, Village of Superior, Washburn, Ashland, Houghton, Hubbell, Lanium, Painesdale, L'Anse, Marquette, Negaunee, Ishpeming, Munising, Iron River, Crystal Falls, Iron Mountain, Gladstone, Escanaba, Manistique, Saint Ignace, Mackinaw City, Sault Ste. Marie, Chebogan, Rogers City, Onaway, Petoskey, Harbor Springs, East Jordan, Gaylord, Alpena, Menominee, Marinette, Peshtigo, Oconto, Sturgeon Bay, Algoma, Kewaunee, Two Rivers, Manitowoc, Sheboygan, Sheboygan Falls, Port Washington, Milwaukee, Wind Point, Racine, Kenosha, Zion, Waukegan, Chicago, Gary, Chesterton, Michigan City, New Buffalo, Benton Harbor, Saint Joseph, South Haven, Holland, Grand Haven, Muskegon, North Muskegon, Whitehall, Fremont, Newaygo, Big Rapids, Reed City, Cadillac, Manistee, Ludington, Scottville, Pentwater, Baldwin, Evart, Clare, Midland, Mount Pleasant, Alma, Edmore, Howard City, Stanton, Greenville, Cedar Springs, Ionia, Saint Johns, Lowell, Grand Rapids, Wyoming, Kentwood, Hastings, Middleville, Grand Ledge, Charlotte, Eaton Rapids, Okemos, Mason, Leslie, Lansing, Howell, Milford, Hudsonville, Zeeland, Allegan, Otsego, Kalamazoo, Battle Creek, Marshall, Albion, Jackson, Michigan Center, Saline, Manchester, Ann Arbor, Ypsilanti, Dexter, Chelsea, Detroit, Dearborn, Livonia, Westland, Canton, Plymouth, Ypsilanti, Monroe, Dundee, Tecumseh, Adrian, Blissfield, Temperance, Toledo, Oregon, Sandusky, Bellevue, Fremont, Clyde, Green Springs, Fostoria, Defiance, Napoleon, Archbold, Bryan, Wauseon, Bowling Green, Findlay, Deshler, North Baltimore, Marysville, Saint Clair, Port Huron, Lapeer, Davison, Flushing, Flint, Fenton, Holly, Oxford, Lake Orion, Rochester, Romeo, Richmond, New Baltimore, Algonac, Saint Clair Shores, Harbor Beach, Pigeon, Bad Axe, Sebewaing, Cass City, Caro, Sandusky, Croswell, Marlette, Saginaw, Shields, Vassar, Bridgeport, Frankenmuth, Clio, Chesaning, Zilwaukee, Essexville, Bay City, Auburn, Pinconning, Standish, Omer, Au Gres, Sterling, Turner, West Branch, Oscoda, East Tawas, Grayling, Traverse City, Elk Rapids, Charlevoix, Petoskey, Harbor Springs, Boyne City, Gaylord, Alpena, Rogers City, Onaway, Cheboygan, Mackinaw City, Saint Ignace, Manistique, Escanaba, Gladstone, Iron Mountain, Iron River, Crystal Falls, Ishpeming, Negaunee, Marquette, Munising, Houghton, Hubbell, Lanium, Painesdale, L'Anse, Two Harbors, Silver Bay, Grand Marais, Ely, Virginia, Hibbing, Chisholm, Eveleth, Orr, Cohasset, Grand Rapids, Walker, Park Rapids, Menahga, Detroit Lakes, Frazee, Barnesville, Perham, New York Mills, Wadena, Staples, Brainerd, Crosby, Ironton, Cuyuna, Deerwood, Baxter, Nisswa, Pequot Lakes, Pine River, Backus, Walker, Cass Lake, Bemidji, Mahnomen, Twin Valley, Ada, Hillsboro, Fertile, Crookston, Red Lake Falls, Thief River Falls, Warren, Hallock, Pembina, Roseau, Grand Forks, Fargo, West Fargo, Hawley, Moorhead, Dilworth, Glyndon, Wolverton, Hendrum, Ada, Twin Valley, Mahnomen, Bemidji, Cass Lake, Walker, Park Rapids, Menahga, Frazee, Barnesville, Perham, New York Mills, Wadena, Staples, Brainerd, Crosby, Ironton, Cuyuna, Deerwood, Baxter, Nisswa, Pequot Lakes, Pine River, Backus, Onamia, Isle, Mille Lacs, Wahpeton, Hankinson, Fergus Falls, Henning, Parkers Prairie, Eagle Bend, Elbow Lake, Wheaton, Alexandria, Long Prairie, Little Falls, Browns Valley, Graceville, Morris, Starbuck, Glenwood, Sauk Centre, Melrose, Saint Cloud, Sauk Rapids, Foley, Milaca, Princeton, Cambridge, Braham, Mora, Ortonville, Benson, Appleton, Millbank, Paynesville, Gold Spring, Big Lake, Elk River, Maple Lake, Litchfield, Buffalo, Howard Lake, Winsted, Hutchinson, Glencoe, Waconia, Chaska, Shakopee, Eagan, Apple Valley, Farmington, Hastings, Stillwater, Hudson, Forest Lake, Anoka, Coon Rapids, White Bear Lake, Saint Paul Park, Minneapolis-St. Paul, Madison, Wilmar, Dawson, Montevideo, Clear Lake, Clarkfield, Granite Falls, Canby, Rosville, Ortonville, Bird Island, Hector, Olivia, Hutchinson, Winsted, Howard Lake, Buffalo, Maple Lake, Litchfield, Wilmar, Dawson, Montevideo, Clear Lake, Clarkfield, Granite Falls, Canby, Rosville, Ortonville, Bird Island, Hector, Olivia, Glencoe, Waconia, Chaska, Shakopee, Eagan, Apple Valley, Farmington, Hastings, Stillwater, Hudson, Forest Lake, Anoka, Coon Rapids, White Bear Lake, Saint Paul Park, Cottonwood, Redwood Falls, Fairfax, Winthrop, Gaylord, Arlington, Belle Plaine, New Prague, Lonsdale, Montgomery, Le Sueur, Le Center, Northfield, Cannon Falls, Red Wing, Lake City, Marshall, Tyler, Tracy, Lamberton, Springfield, Comfrey, Lake Crystal, Madelia, Saint James, Mountain Lake, Windom, Heron Lake, Truman, Trimont, Winnebago, Wells, Blue Earth, Fairmont, Sherburn, Jackson, Worthington, Luverne, Adrian, Lakefield, Pipestone, Edgerton, Fulda, Slayton, Flandreau, Sioux Falls, Rock Rapids, Sibley, Ocheyedan, Canton, Inwood, Doon, Rock Valley, Sheldon, Hartley, Spencer, Sioux Center, Orange City, Hawarden, Paullina, Akron, Le Mars, Marcus, Cherokee, Alta, Storm Lake, Newell, Fonda, Pocahontas, Gilmore City, Dakota City, Clarion, Eagle Grove, Dows, Hampton, Iowa Falls, Ackley, Webster City, Fort Dodge, Sac City, Rockwell City, Ida Grove, Odebolt, Wall Lake, Lake City, Gowrie, Grand Junction, Jefferson, Boone, Ames, Nevada, State Center, Marshalltown, Toledo, Tama, Grundy Center, Reinbeck, La Porte City, Waterloo, Cedar Falls, Hudson, Wellsburg, Eldora