

## **Google Earth Files for the Great Lakes and Beyond**

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### **GREAT LAKES**

#### **Great Lakes Information Network – GIS**

(Queryable by topic, geography, organization, and upload date – 130 layers as of June 20, 2008)

<http://gis.glin.net/>

#### **Great Lakes Environmental Research Lab**

Great Lakes Coastal Forecasting System

<http://www.glerl.noaa.gov/res/glcfs/>

- Nowcast Winds
- Nowcast Waves
- Nowcast Surface Temperatures
- NowCast Currents
- NIC Ice Cover

Huron to Erie Connecting Waterways Forecasting System (HECWFS)

<http://www.glerl.noaa.gov/res/hecwfs/>

- Water Currents
- Water Levels
- NOS Water Level Gauge Locations
- St. Clair River Water Currents
- Detroit River Water Currents

Indiana Dunes Nowcast

<http://www.glerl.noaa.gov/res/glcfs/bd/>

- Surface Water Temps
- Tracer Concentrations
- Bathymetry
- Beach Locations

Grand Haven Nowcast

<http://www.glerl.noaa.gov/res/glcfs/gh/>

- Surface Water Temps
- Tracer Concentrations
- Bathymetry
- Beach Locations

## **NATIONAL**

### **National Atmospheric and Oceanic Administration (NOAA)**

<http://www.srh.noaa.gov/gis/kml/>

National Weather Service

<http://radar.weather.gov/ridge/kmzgenerator.php>

- Real Time Weather Warnings
- Radar (a variety of products for individual stations, statewide, regional, and national)

National Operational Hydrologic Remote Sensing Center

<http://www.nohrsc.noaa.gov/earth/>

- National Snow Analyses
- Snow Reports and Stations

National Geophysical Data Center

<http://www.ngdc.noaa.gov/dmsp/maps.html>

- Defense Meteorological Satellite Program (DMSP) OLS Global Composites Version 2
- Defense Meteorological Satellite Program (DMSP) OLS Gas Flare Monitoring
- Las Vegas High Resolution Lights
- Nighttime Lights of the World: 2003
- Wells National Estuarine Research Reserve

### **National Aeronautics and Space Administration (NASA)**

Jet Propulsion Lab – One Earth

<http://onearth.jpl.nasa.gov/KML.html>

- Landsat Imagery
- MODIS Imagery

Goddard Space Flight Center

[http://www.sirvin.com/goes/goeseast\\_web.kml](http://www.sirvin.com/goes/goeseast_web.kml)

- GOES 12 weather satellite animation. Animation at approximately one hour intervals for 12 hours. Images from NASA Goddard Space Flight Center. Data from NOAA GOES 12 East satellite.

Goddard Space Flight Center - Scientific Visualization Studio

<http://svs.gsfc.nasa.gov/documents/available.html>

## **U.S. Geological Survey**

Stream Flow

<http://water.usgs.gov/waterwatch/kml.html>

EDNA Derived Watersheds

[http://edna.usgs.gov/watersheds/kml\\_index.htm](http://edna.usgs.gov/watersheds/kml_index.htm)

Historical Orthoimagery

<http://gisdata.usgs.gov/webappcontent/kml/HistoricOrtho/HistoricOrthoCoverageAreas.kml>

Latest Earthquakes

<http://earthquake.usgs.gov/eqcenter/catalogs/>

## **WISCONSIN**

**Space Science and Engineering Center, University of Wisconsin-Madison**

Google Earth Imagery

<http://www.ssec.wisc.edu/google-earth/>

- AVHRR
- Wisconsin GOES Imagery
- Daily MODIS

**University of Wisconsin Sea Grant Institute**

Wisconsin Coastal Guide

<http://www.wisconsincoastalguide.org/>

- Shipwrecks \*updated
- Lighthouses \*updated
- Parks (State) \*updated
- Parks (County) \*updated
- 360° Panoramas
- Beaches
- Parks (Local)
- Webcams
- Circle Tour Route
- Oblique Photos
- All-in-One

Great Lakes WebCams

[http://aqua.wisc.edu/glct/maps/kml/gl\\_webcams\\_15Nov07.kmz](http://aqua.wisc.edu/glct/maps/kml/gl_webcams_15Nov07.kmz)

**Wisconsin State Cartographer's Office**

Wisconsin Land Economic Inventory/Bordner Maps (for six counties)

[http://www.sco.wisc.edu/maps/bordner\\_main.php](http://www.sco.wisc.edu/maps/bordner_main.php)

**Great Lakes WATER Institute**

Wisconsin Coastal Imagery Database

[http://www.glwi.uwm.edu/research/aquaticceology/cladophora/aerial\\_imagery/](http://www.glwi.uwm.edu/research/aquaticceology/cladophora/aerial_imagery/)

**MISCELLANEOUS**

GeoGarage – Google Map Application for Raster Nautical Charts

<http://demo.geogarage.com/noaa/>

EarthNC - Nautical Data for a Digital World

<http://earthnc.com/>

Registration is required for a free online service of raster and vector nautical charts.

Additional Near-Real Time Layers in Google Earth

- Traffic
- Weather

How to add a Web Map Service (WMS) to Google Earth

1. Choose the Add pull-down menu and select Image Overlay
2. Click on the Refresh tab
3. Select the WMS Parameters button
4. Select an existing WMS or select the Add button to type in a new WMS server URL