(4) USGS Maps as GroundOverlays

The KML to create Ground Overlays can be combined with another piece of KML called Network Links, to create dynamic overlays that refresh based on a set time or a change in view.

A number of applications have been created using this capability to import the archive of USGS maps that is freely accessible via the world-wide-web. Two of the best are described here:

(i) USGS Topographic Maps by Google Earth Library

Ground Overlays that provide seamless topographic/land cover data for the entire Earth and a USGS Topographic Map overlay for the entire US, including Alaska and Hawaii.

A dynamic ground overlay that refreshes based on viewing location and altitude:

http://www.gelib.com/wp-content/uploads/2009/ng-topo\_nl.kml

A **clickable grid** that allows individual 7.5 minute topo maps to be downloaded as KMZ files, by clicking a link in the description balloons associated with the grid boxes (limited data for Alaska):

<http://www.gelib.com/maps/_NL/usgs-topographic-maps.kml>

use this method!!!

<http://www.earthpoint.us/Townships.aspx> for townships