

E-DECIDER KML Generator Service Guide

Quick Start Guide:

Need parameters: epicenter, radius

For example: epicenter: 33.35, -115.71, and radius 40 miles

Service URL to generate the simple kml file points to GeoServer:

<http://gf2.ucs.indiana.edu/insartool/hazuskml?epicenter=33.35,-115.71&radius=40miles&layers=hzAll&mode=server>

Service URL to download the data packed with all Hazus layers as one kmz file:

<http://gf2.ucs.indiana.edu/insartool/hazuskml?epicenter=33.35,-115.71&radius=40miles&layers=hzAll&mode=download>

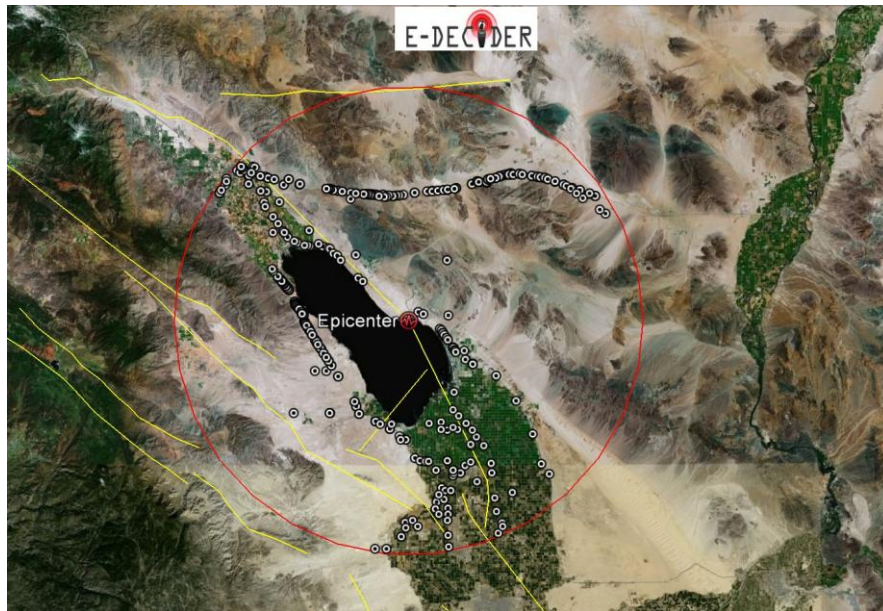


Figure 1 Screenshot of the sample output in Google Earth

Guides for Parameters:

Sever URL format: <http://gf2.ucs.indiana.edu/insartool/hazuskml?parameters>

Required parameters: epicenter, radius

epicenter: the latitude and longitude of epicenter, epicenter=lat,lon

radius: distances to epicenter, multiple radius and different units are supported, radius=r1,r2,r3unit, unit can be either “miles” or “kms”, e.g. radius=20,40,60miles

Optional parameters: mode, layers

mode: “server” or “download” default value is “server”. “download” will pull data from GeoServer and pack all the data into one kmz file; it may take up to several minutes for large regions in populated urban areas.

layers: specify Hazus layers, layers=hzlayer1,hzlayer2,hzlay3 ..., notice: all the layers names are case-insensitive when used in service URL.

Layer	Hazus Layer
hzAll	grab all Hazus layers
hzHPLF	High potential loss facilities
hzTRANSP	Transportation layers
hzEF	Emergency facilities
hzUTL	Utilities layers
hzAirportFlty	Airport Facility
hzBusFlty	Bus Facility
hzCareFlty	Care Facility
hzCommunicationFlty	Communication Facility
hzDams	Dams
hzElectricPowerFlty	Electric Power Facility
hzEmergencyCtr	Emergency Center
hzFerryFlty	Ferry Facility
hzFireStation	Fire Station
hzHazmat	Hazardous Material Facility
hzHighwayBridge	Highway Bridge
hzHighwayTunnel	Highway Tunnel
hzLightRailBridge	LightRail Bridge
hzLightRailFlty	LightRail Facility
hzNaturalGasFlty	Natural Gas Facility
hzNuclearFlty	Nuclear Power Plant
hzOilFlty	Oil Facility
hzPoliceStation	Police Station
hzPortFlty	Port Facility
hzPotableWaterFlty	Potable Water Facility
hzRailFlty	Railway Facility
hzRailwayBridge	Railway Bridge
hzRunway	Runway
hzSchool	School
hzWasteWaterFlty	Waste Water Facility