

Creating GeoTracker KMZ Image Overlays

[Note: Standard (non-KMZ) GEO_MAP submittals are still required. KMZ files uploaded as "GEO_MAP" submittals are strictly optional.]

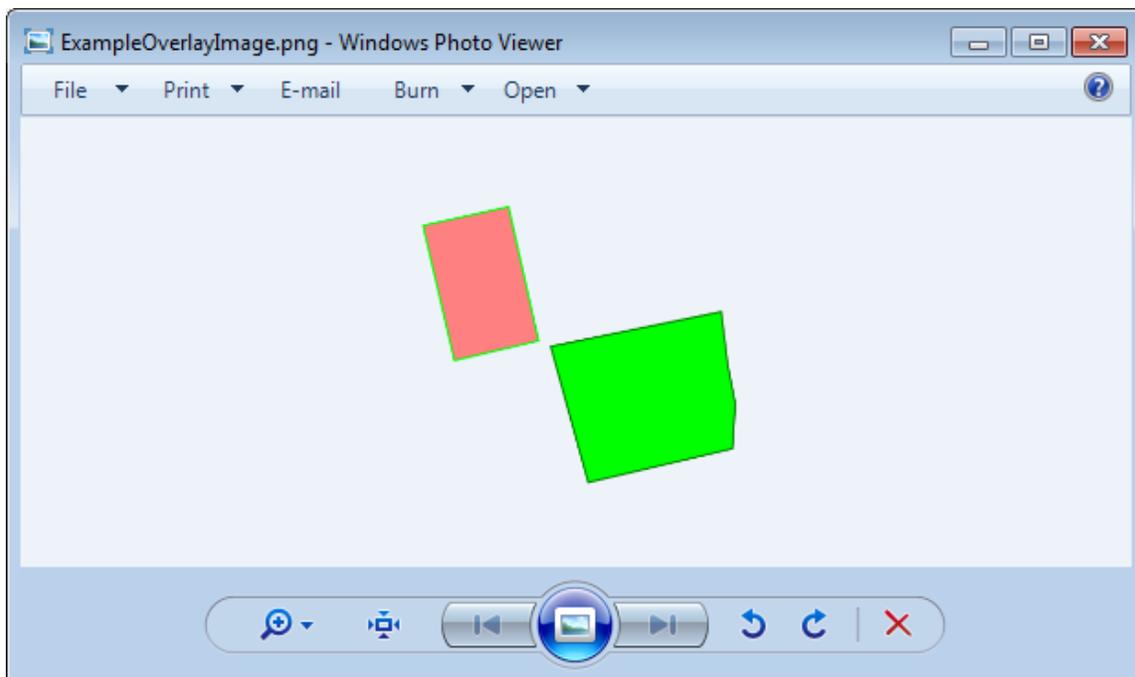
This document details how to generate GeoTracker-compliant "KMZ Image Overlay" files using Google Earth. Files generated using the steps in this document can be uploaded to GeoTracker ESI as optional **GEO_MAP** submittals to display an overlay over the existing map, highlighting specific areas –



1) Generate/Locate Your PNG Image Overlay File

This document assumes you have already generated your desired PNG image overlay using the program of your choice. The file format for this image must be of type **PNG**, and GeoTracker will only support generated KMZ files having a **single** image overlay. If you need to upload multiple image overlays, you will need to generate separate KMZ files for each image overlay.

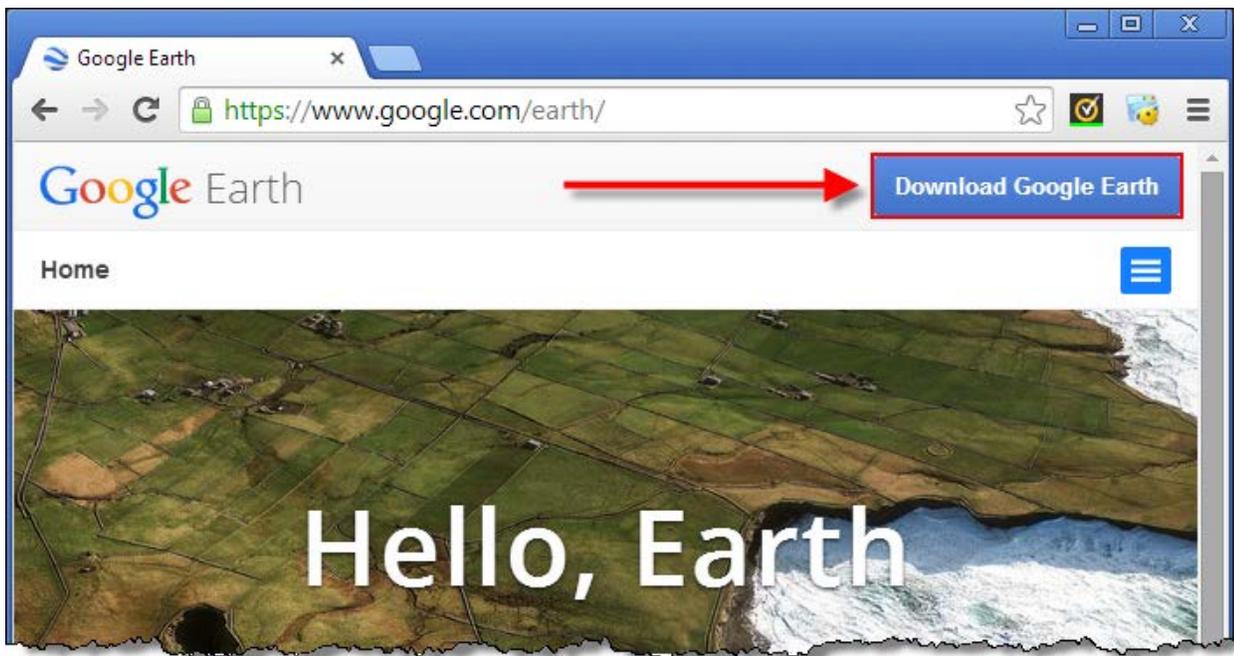
For the example provided in this documentation, the following PNG image overlay ("ExampleOverlayImage.png") will be used –



2) Open Google Earth (Desktop Version)

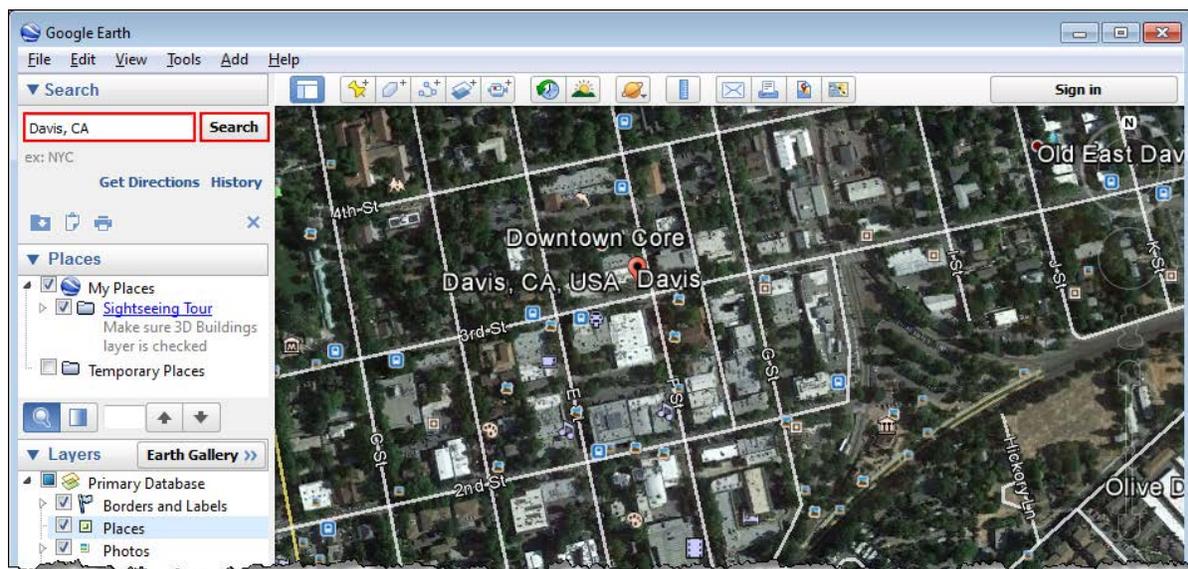
If you have not already installed Google Earth, you will need to download and install the Desktop version of Google Earth. Navigate to the following URL and click “Download Google Earth” –

<https://www.google.com/earth/>

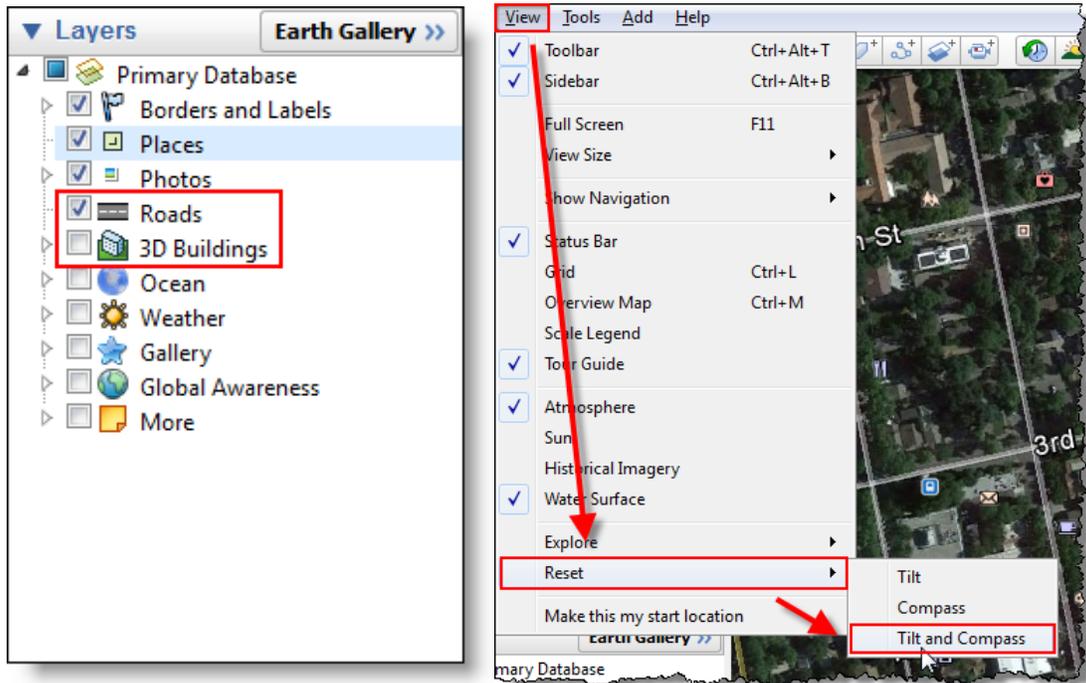


3) Locate Area to Place Image Overlay

After Google Earth has opened, you need to first navigate to the area where you will be positioning your image overlay. For this example, we are placing our image overlay in “Davis, CA,” so we will be entering “Davis, CA” in the search field and click “Search”. Once located, zoom to the area where you will be placing the image –

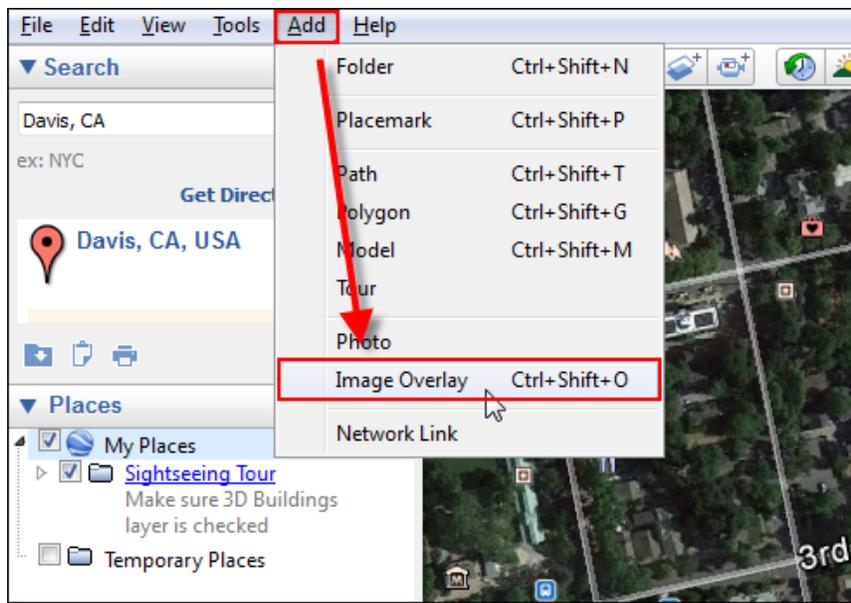


To assist with positioning your image overlay, it may be helpful to show the “Roads” layer and hide the “3D Buildings” layer. In addition, the “View → Reset → Tilt and Compass” menu option can be useful to re-orient you directly above the current location -

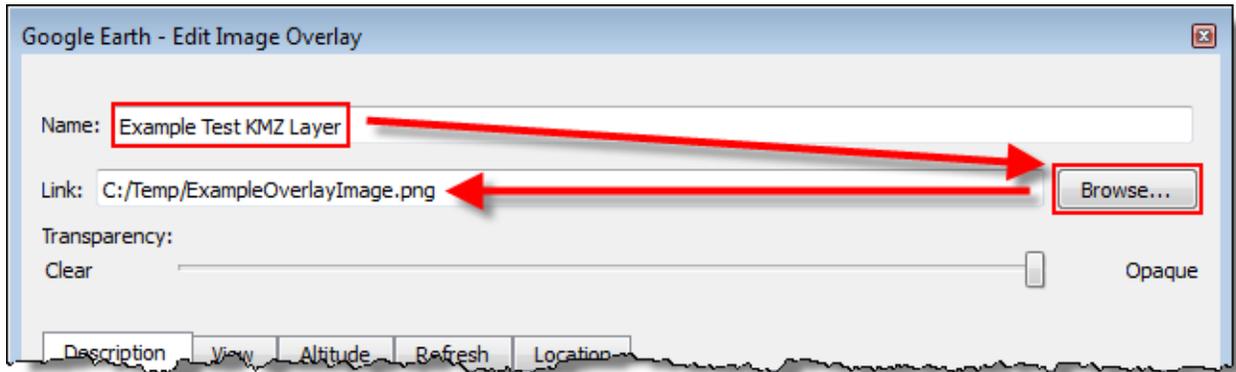


4) Add Image Overlay

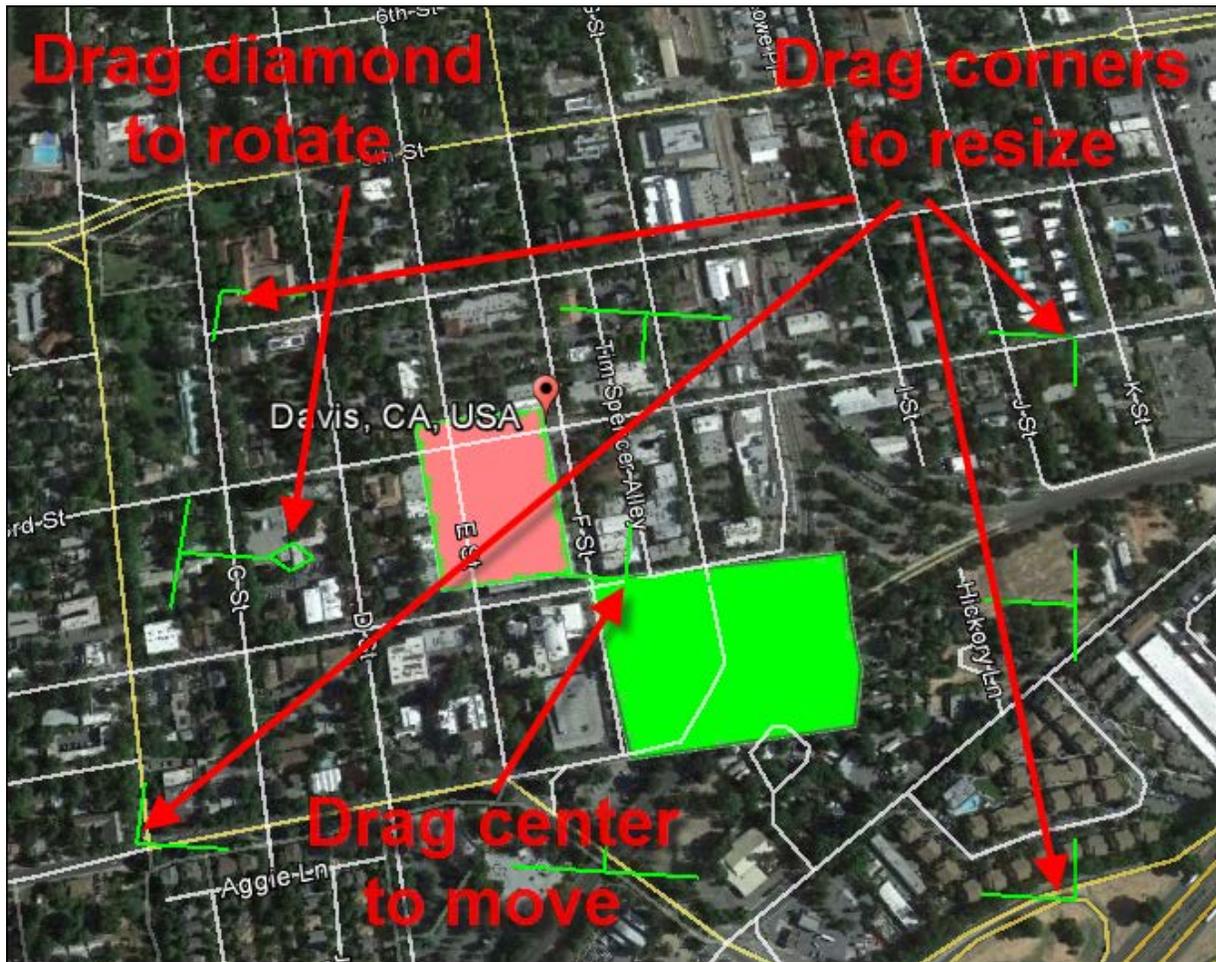
Click the Add menu’s “Image Overlay” option. Because we have “My Places” selected in the Places window, this will add our new Place in the “My Places” section –



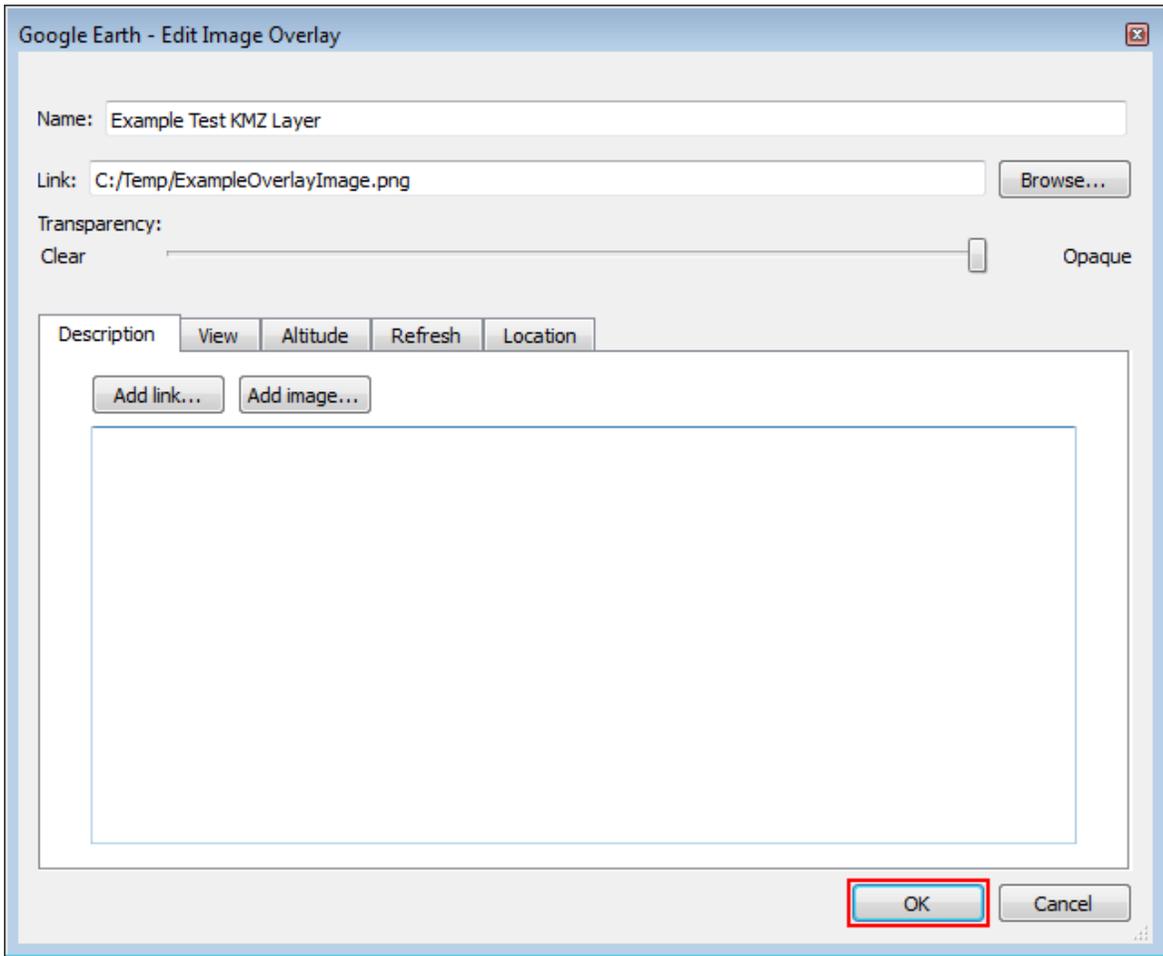
Enter a name for the image overlay, then click “Browse” and locate your image overlay PNG file. Make no other modifications on this screen. As stated earlier, the image overlay **must** be of file type **PNG** or the generated KMZ file will not pass validation when uploading to GeoTracker.



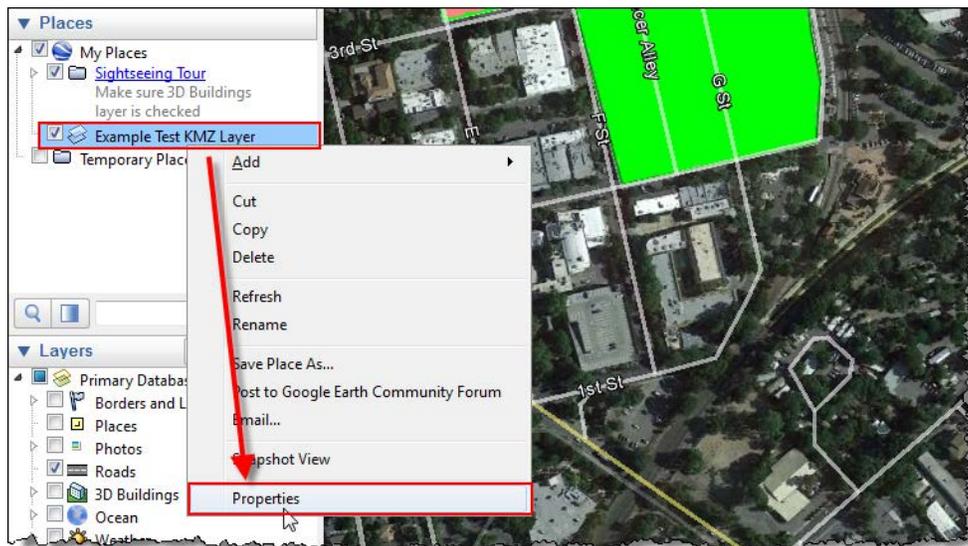
Do **not** click “OK” at this point. At this stage, your image overlay should now be displayed on the map, and you must now drag the corners to position it correctly –



When you have finished positioning the image overlay, return to the “Edit Image Overlay” dialog box and click “OK” –

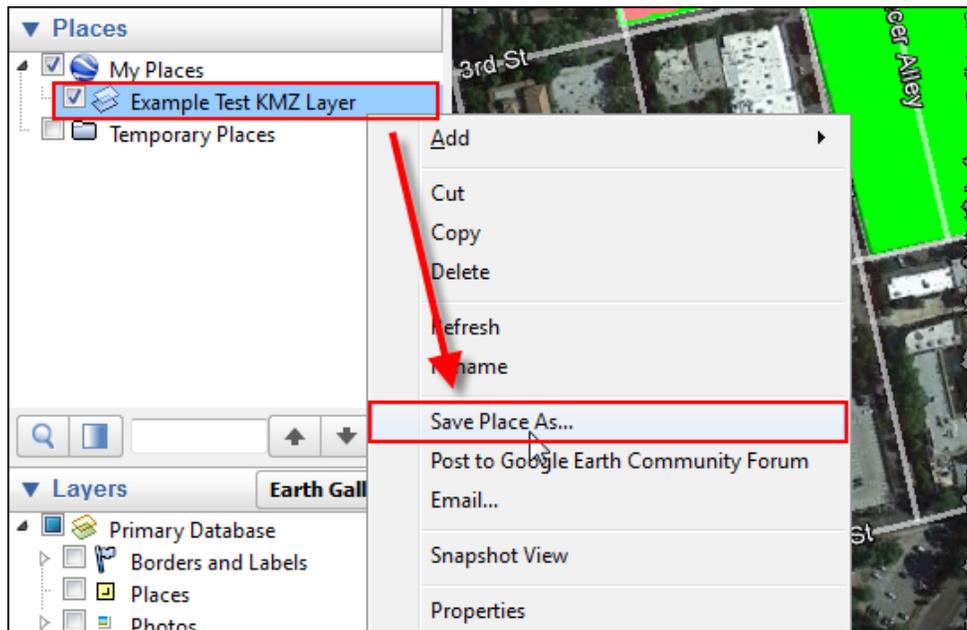


If you accidentally closed the “Edit Image Overlay” dialog and still need to reposition the overlay, right-click the name of the Place you created and choose “Properties” –

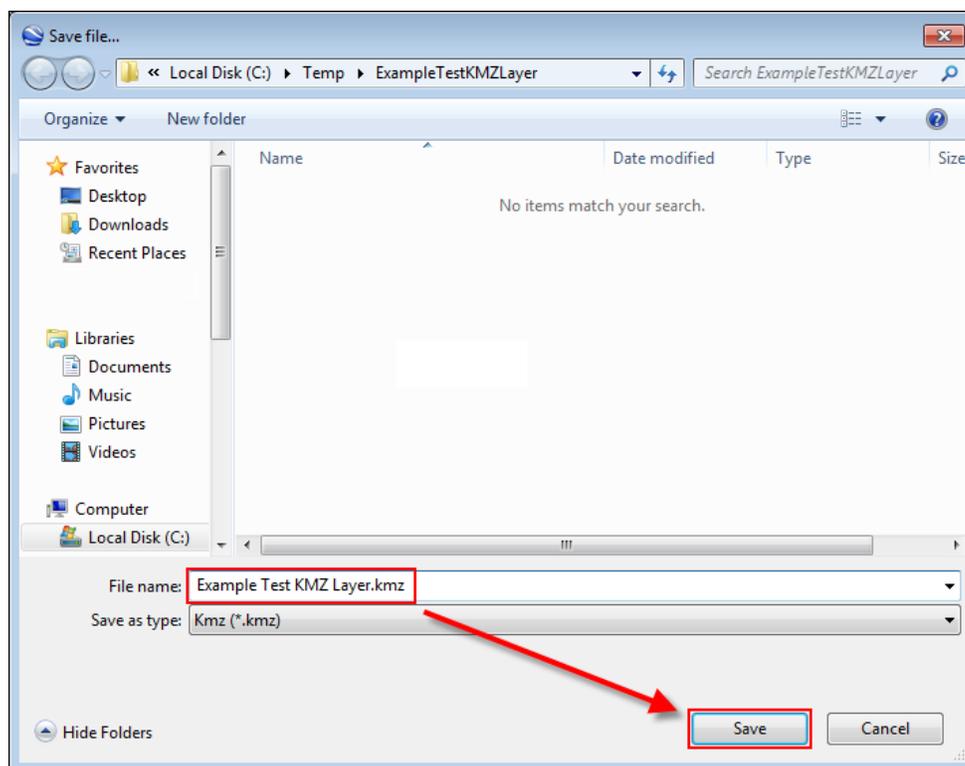


5) Saving Image Overlay to KMZ File

Right-click the place you created (and only the place you created) and choose the “Save Place As...” option –



Enter a name for the KMZ file (it defaults to the Image Overlay name), and save it to a known location [NOTE: The Image Overlay name, not the KMZ file name, will become the "Title" of your KMZ file after upload to GeoTracker. Saving the KMZ with a file name other than the Image Overlay name (the default) will not affect the uploaded KMZ's "Title" in GeoTracker.] –



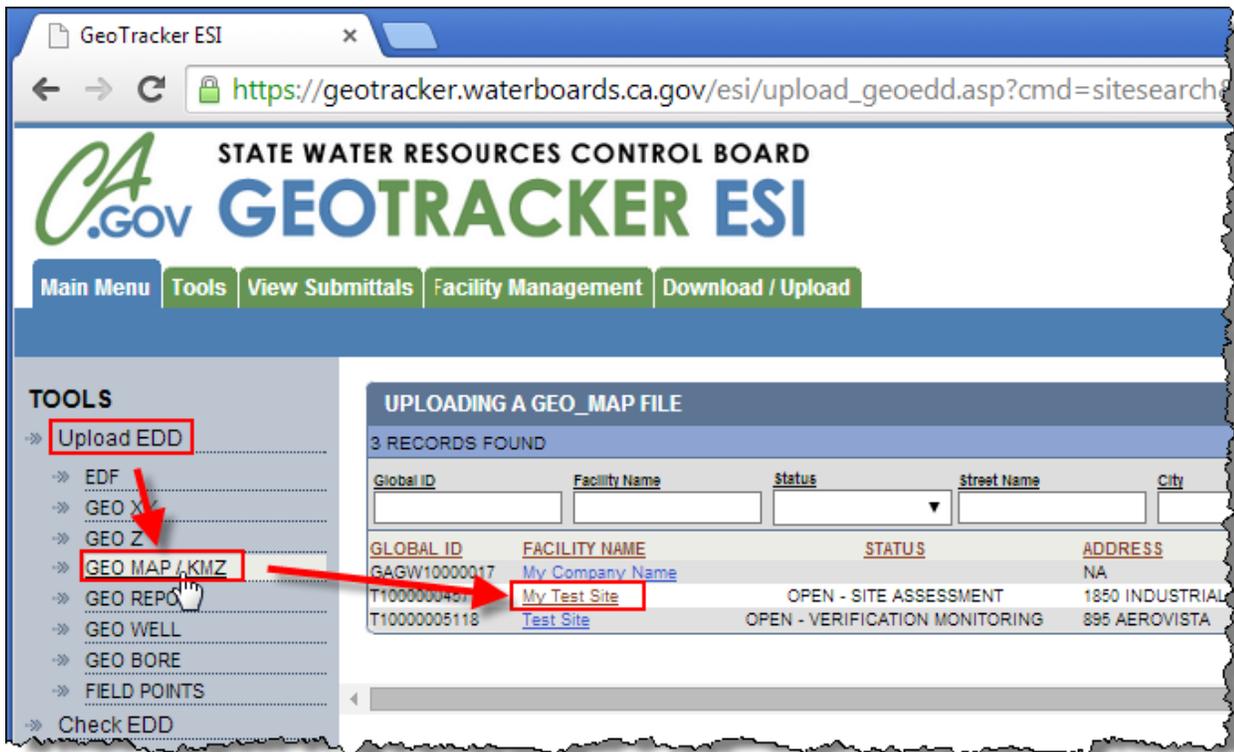
6) Upload KMZ File to GeoTracker ESI

If the above steps were followed, your GeoTracker-compliant KMZ file should now be ready for upload to GeoTracker ESI –

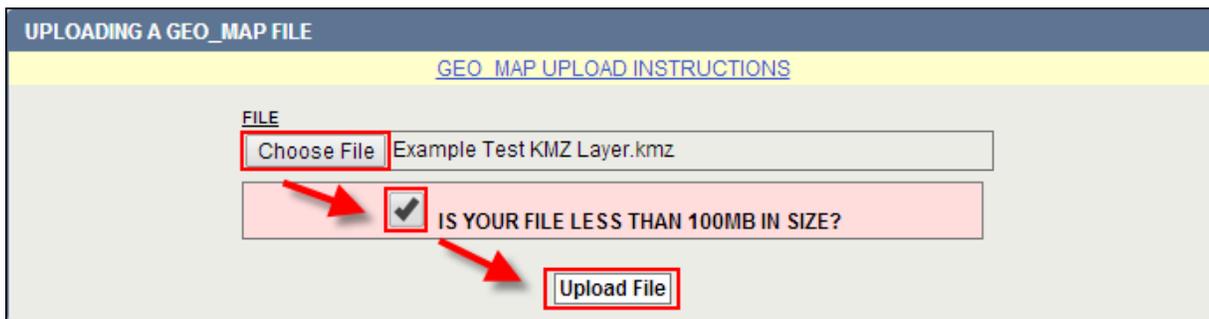
6.1) Upload KMZ File to GeoTracker ESI's GEO_MAP Upload Screen

Log into GeoTracker ESI, choose “Upload EDD” under the Tools menu, choose the “GEO_MAP” option, and then choose the Facility that you want to upload the KMZ to –

<https://geotracker.waterboards.ca.gov/esi/>

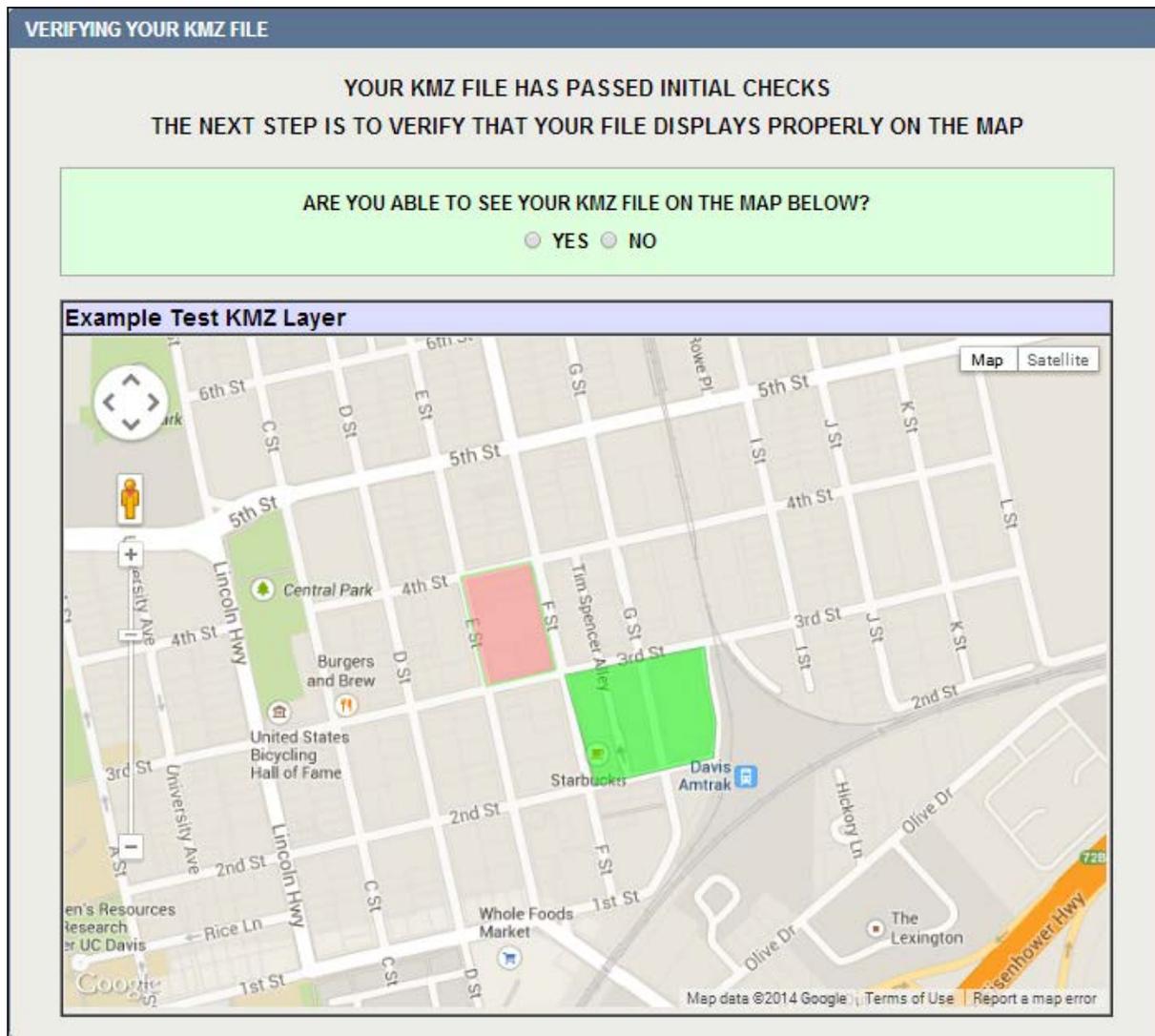


Click “Choose File” to select your KMZ file, check the box if your KMZ file is less than 100MB in size, and click “Upload File” –



6.2) Verify Image Overlay Looks Correct

If the KMZ file passes GeoTracker ESI's validation checks, it should then be displayed on the map for visual confirmation –

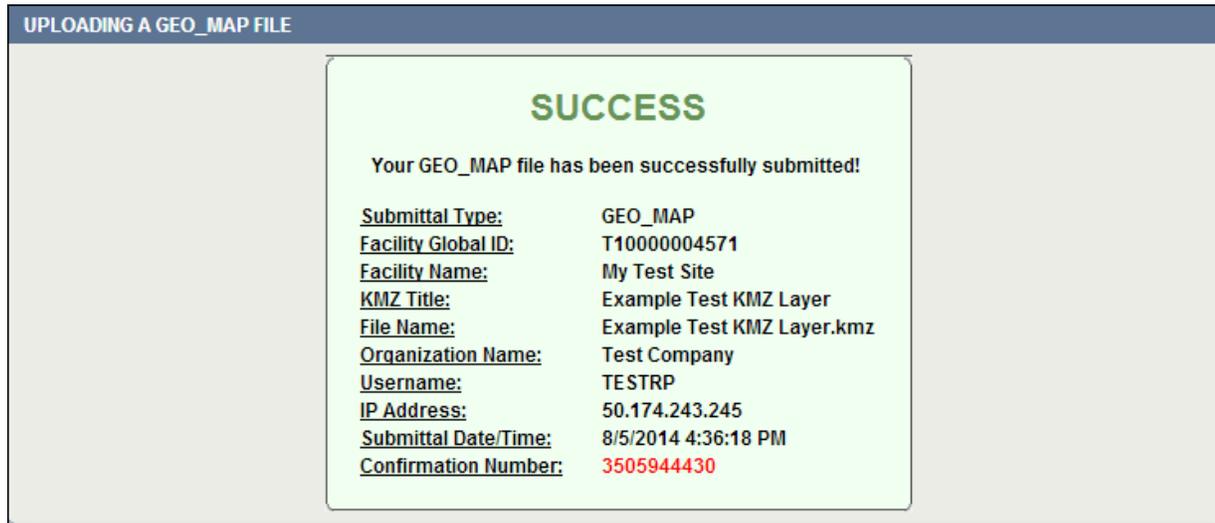


If the image overlay looks correct, click “Yes” to complete the submittal. If the image overlay did not pass validation, here are a few troubleshooting tips –

- The uploaded file must be a KMZ file.
- The image file chosen for your overlay **must** be a PNG file (other image formats are not supported).
- Do not enter any additional information in the “Edit Image Overlay” window. For example, do not click the “Add link...” or “Add image...” buttons in the Description or add a text description.
- When you right-clicked in Google Earth to choose “Save Place As...”, be sure you clicked on the single Place/Layer you created. Accidentally right-clicking a folder will export multiple items and generate a KMZ file not compliant with the GEO_MAP / KMZ upload functionality.

6.2) View Successful Submittal Confirmation

Upon successful submittal, you should receive a confirmation screen –



7) Viewing your KMZ on the Public GeoTracker Map

After the regulator has reviewed and “received” your KMZ submittal, when the site is “identified” on the public GeoTracker map, the information bubble that identifies the site will also contain a list of all regulator-uploaded and “received” ESI-uploaded KMZ files for that Global ID. Clicking on a KMZ name will display that KMZ on the map –

