

Using the IDNR CREP .KMZ File in Google Earth



Overview

The following document outlines the use of Google Earth software for CREP aerial photo reviews and CREP monitoring reports. Each January, IDNR will provide an updated CREP KMZ file that delineates all CREP easement boundaries in Google Earth. If you have questions or if you need a copy of the CREP KMZ file, please contact DNR.CREP@Illinois.gov.

Install Google Earth Pro

Click on the Image or Link below to install the software.

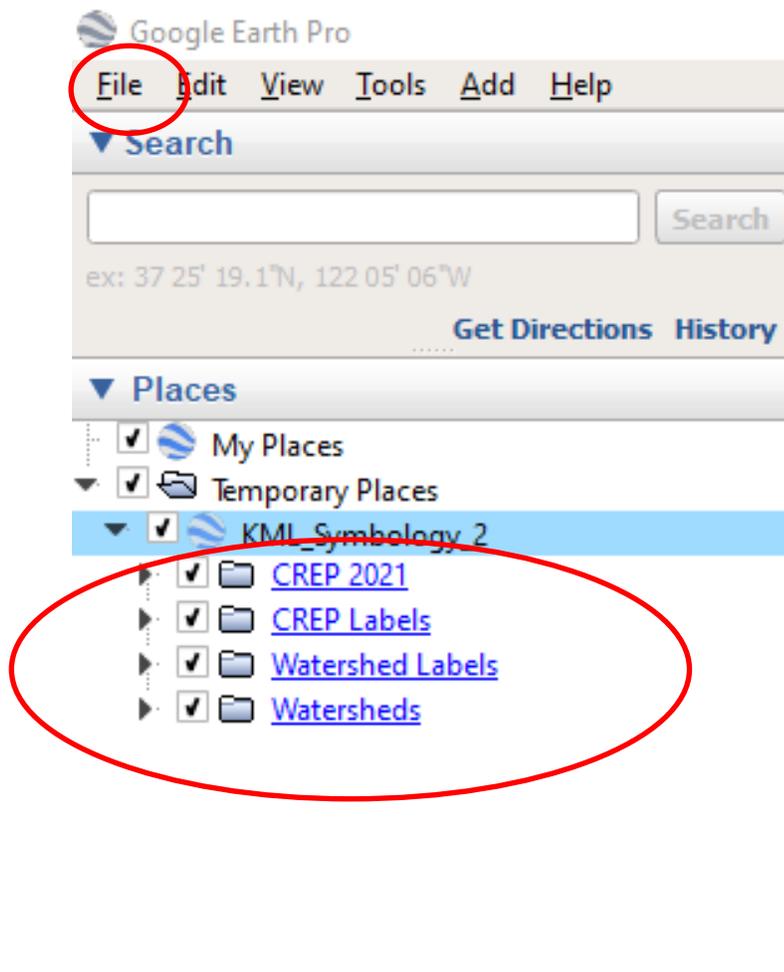


<https://www.google.com/earth/versions/#download-pro>

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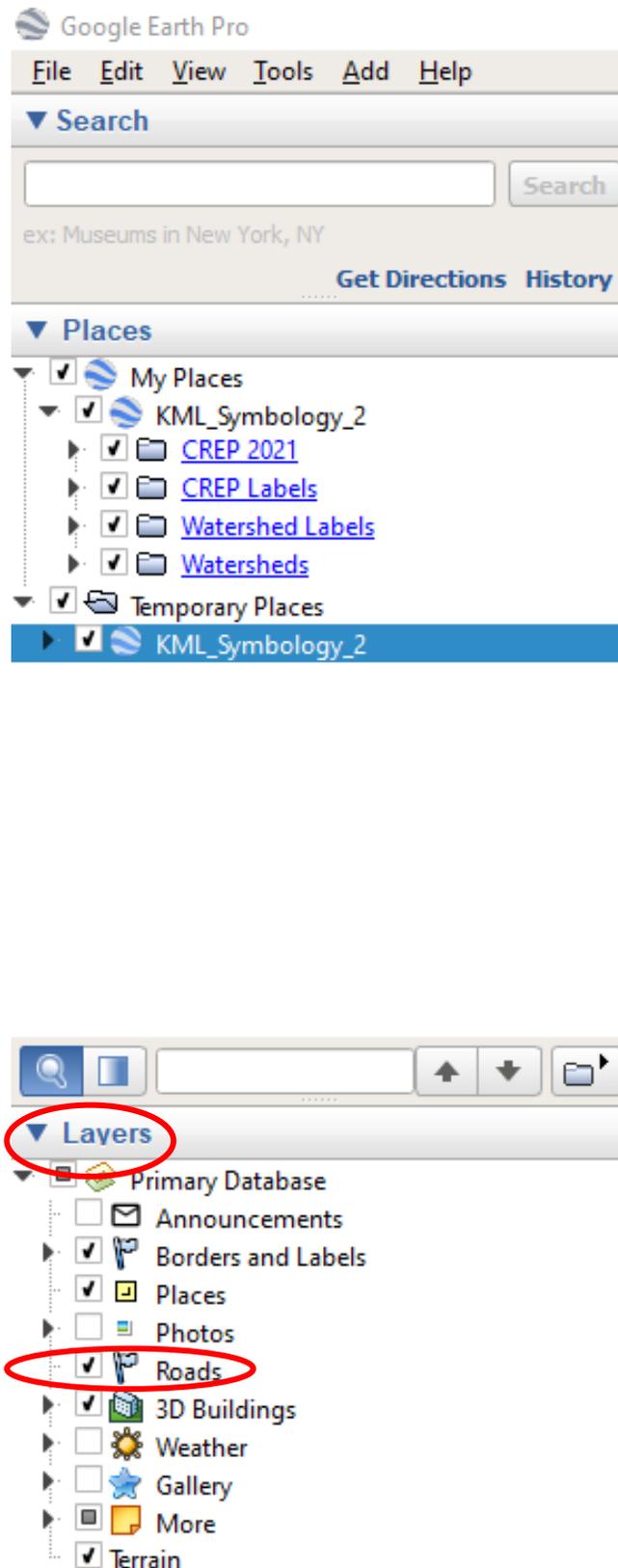
1. Double click the .kmz file to open it with Google Earth or open Google Earth and drag and drop the file on the Google Earth Application. The file can also be opened from within the Google Earth software. Open Google Earth and click File – Open and navigate to the file.
2. In the Temporary Places folder, the user should see KMZ files loaded. The CREP_Labels layer creates the Easement ID labels(points) and the CREP_2021 layer creates the easement boundaries(polygons) and identifies the year of the layer.
3. To save the KMZ files in google earth. Click File-Save-Save to My Places. When closing the Google Earth application, you will also be prompted to save Temporary Places.



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Initial Settings

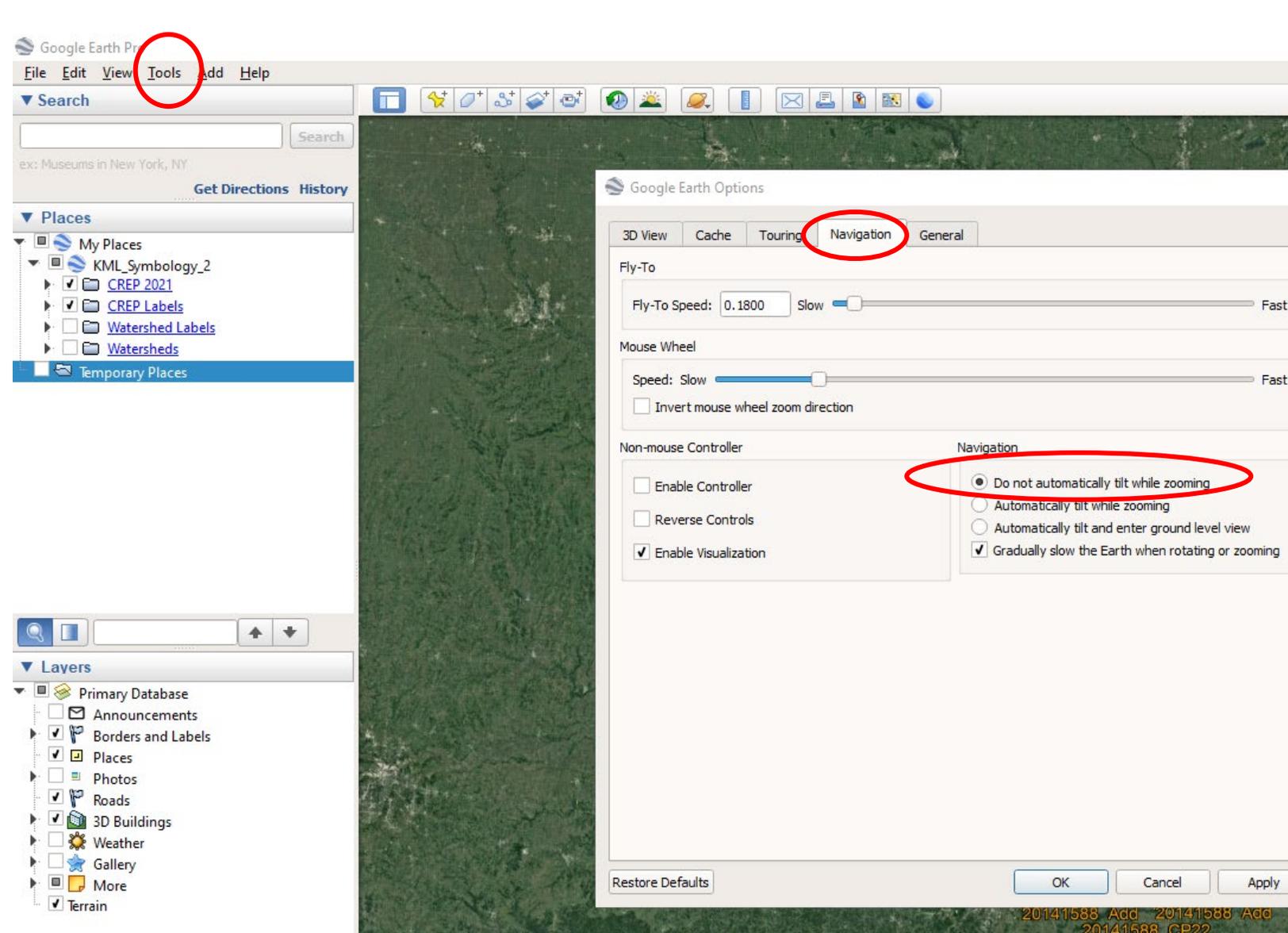
4. Turn on the Roads by expanding the Layers Group and Clicking the Roads



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Initial Settings

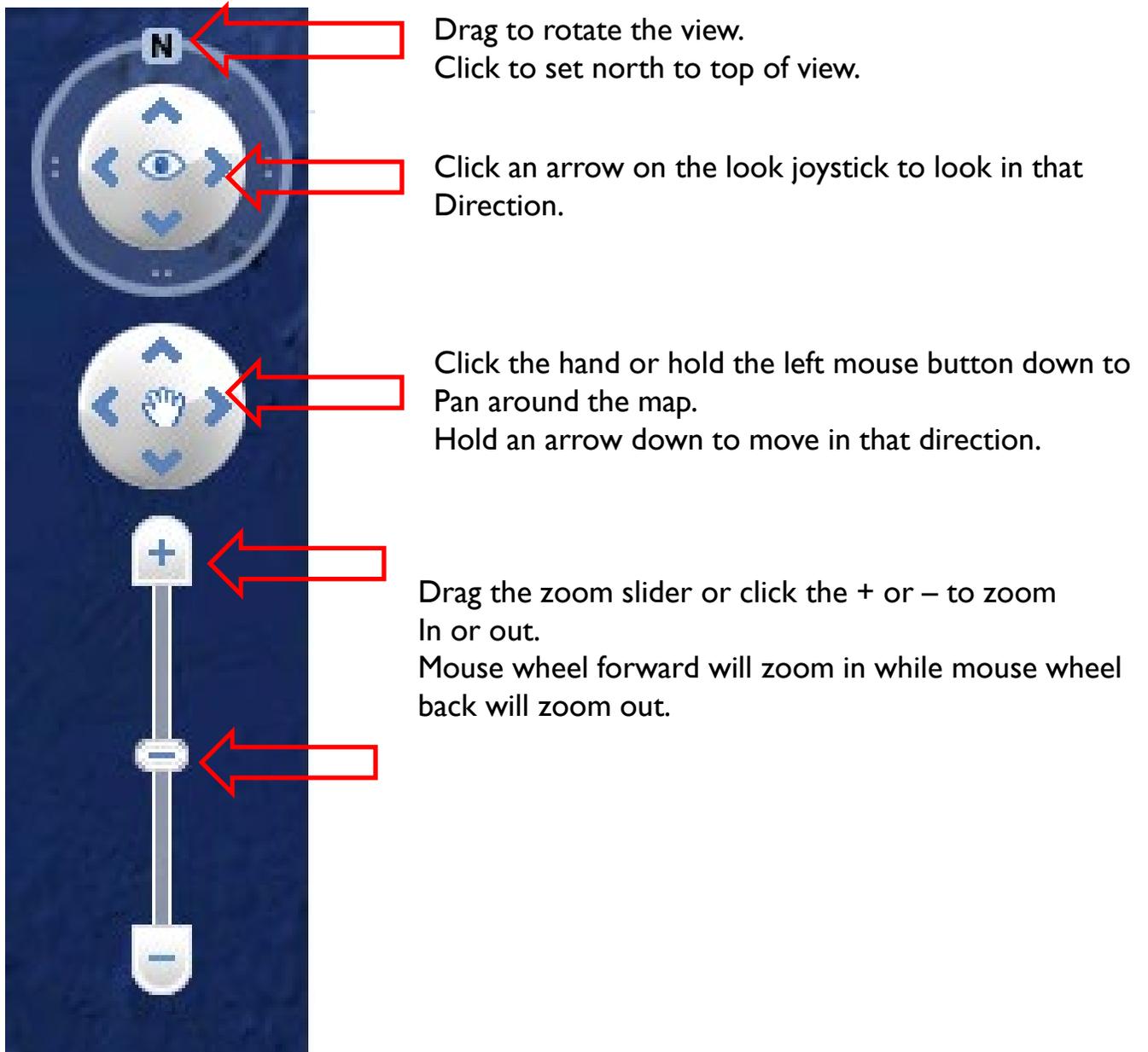
5. Turn off Automatic Tilt by going to the Tools – Options – Navigation Menu and select the button “Do not automatically tilt while zooming”.



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Navigation

6. In the upper right corner of the map, navigation tools can be used to manipulate the map.



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Finding an Easement

7. In the places group, expand the Temporary Places Folder, then expand the Layers list and the CREP_Labels layer. Double click an easement to zoom to that location. The search window can also be used to quickly locate an easement by typing in the Easement ID. The easement will then be highlighted in the above Temporary Places Folder. Double click the highlighted easement to zoom to that location.

The screenshot displays the Google Earth Pro interface. On the left, the 'Places' panel is expanded to show the 'CREP_Labels' folder, with the entry '19990003 CP22' highlighted in blue. Below this, the search bar contains the text '19990003'. On the right, a data popup window for '19990003 CP22' is open, showing a table of metadata for the 'SALINA' area.

SALINA	
STATEID	19990003
PRACTICE	CP22
DURATION	15
COUNTY_NAM	Kankakee
WATERSHED	Illinois
ADMIN_CNTY	KANKAKEE
TWP_NAME	SALINA
ADMN_ACRES	3.5
HOLDER	SWCD
RECORDED	3/18/2011
GIS_Acres	3.52
ORIG_FID	3

Directions: [To here](#) - [From here](#)

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Table Display

8. Clicking on an easement will display the fields in the KMZ table.

19990003 CP22

SALINA

STATEID	19990003
PRACTICE	CP22
DURATION	15
COUNTY_NAM	Kankakee
WATERSHED	Illinois
ADMIN_CNTY	KANKAKEE
TWP_NAME	SALINA
ADMN_ACRES	3.5
HOLDER	SWCD
RECORDED	3/18/2011
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Directions: [To here](#) - [From here](#)

STATEID = State easement ID number

PRACTICE = Conservation Practice

DURATION = State Easement Duration

COUNTY_NAM = County Location

WATERSHED = IDNR CREP Watershed

ADMIN_CNTY = County that is administratively responsible for the easement

TWP_NAME = Township the easement is within

ADMIN_ACRES = The total easement acres on the easement document

HOLDER = Easement Holder

RECORDED = Date the easement was recorded at the county

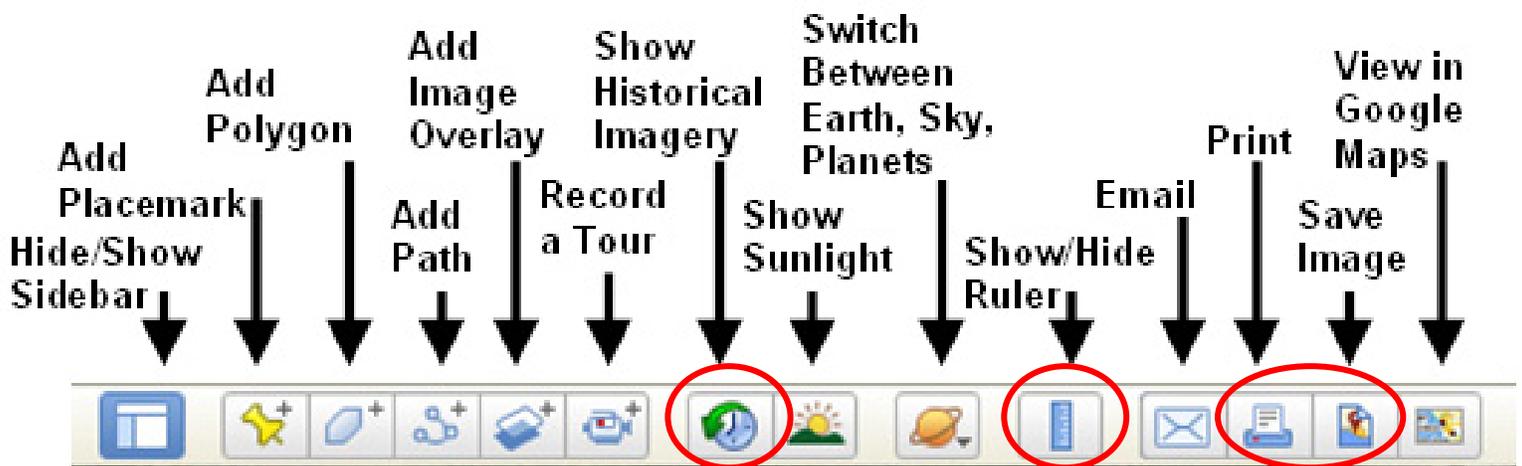
GIS_Acres = The easement acres as mapped in GIS

ORIG_FID = Feature ID – Used to create KMZ file

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Using the Toolbar

9. The toolbar is located at the top of the map and contains several features that will be useful in navigating Google Earth.



Show Historical Imagery

This tool can be used to view various years of imagery. This is useful in identifying any changes that have occurred on the easement.

Ruler

This tool can be used to measure distances and area. Helpful when reporting the acreage or length of a feature on the easement

Save

This tool can be used to save a local copy of the image to your computer to be shared or added to a document.

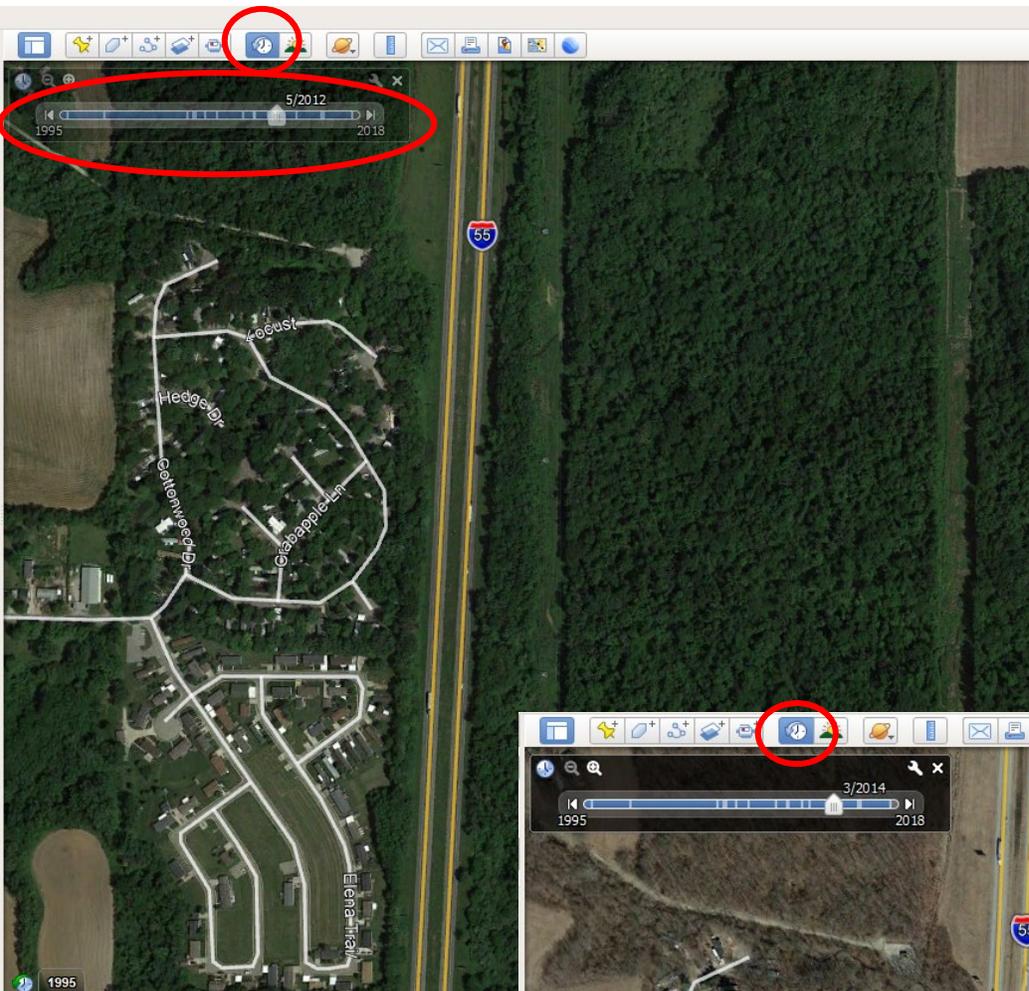
Print

This tool can be used to print a pdf or hardcopy to add to a file.

Aerial Photography Review

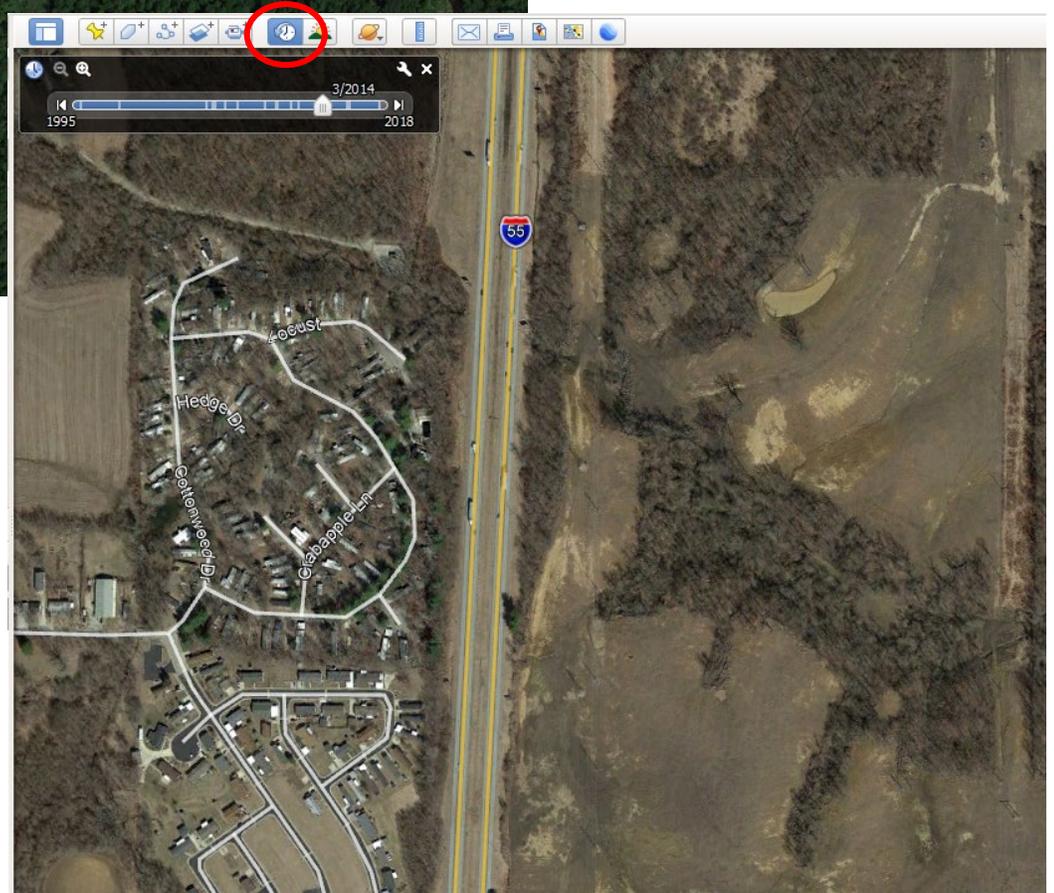
Using the Toolbar - Time slider

10. The time slider tool can be used to identify changes that have occurred on the easement.



With the slider set to the year 2012, we see the property to the east of I-55 is a woodland habitat.

With the slider set to the year 2014, we see the property to the east of I-55 is now pasture or possibly grassland.

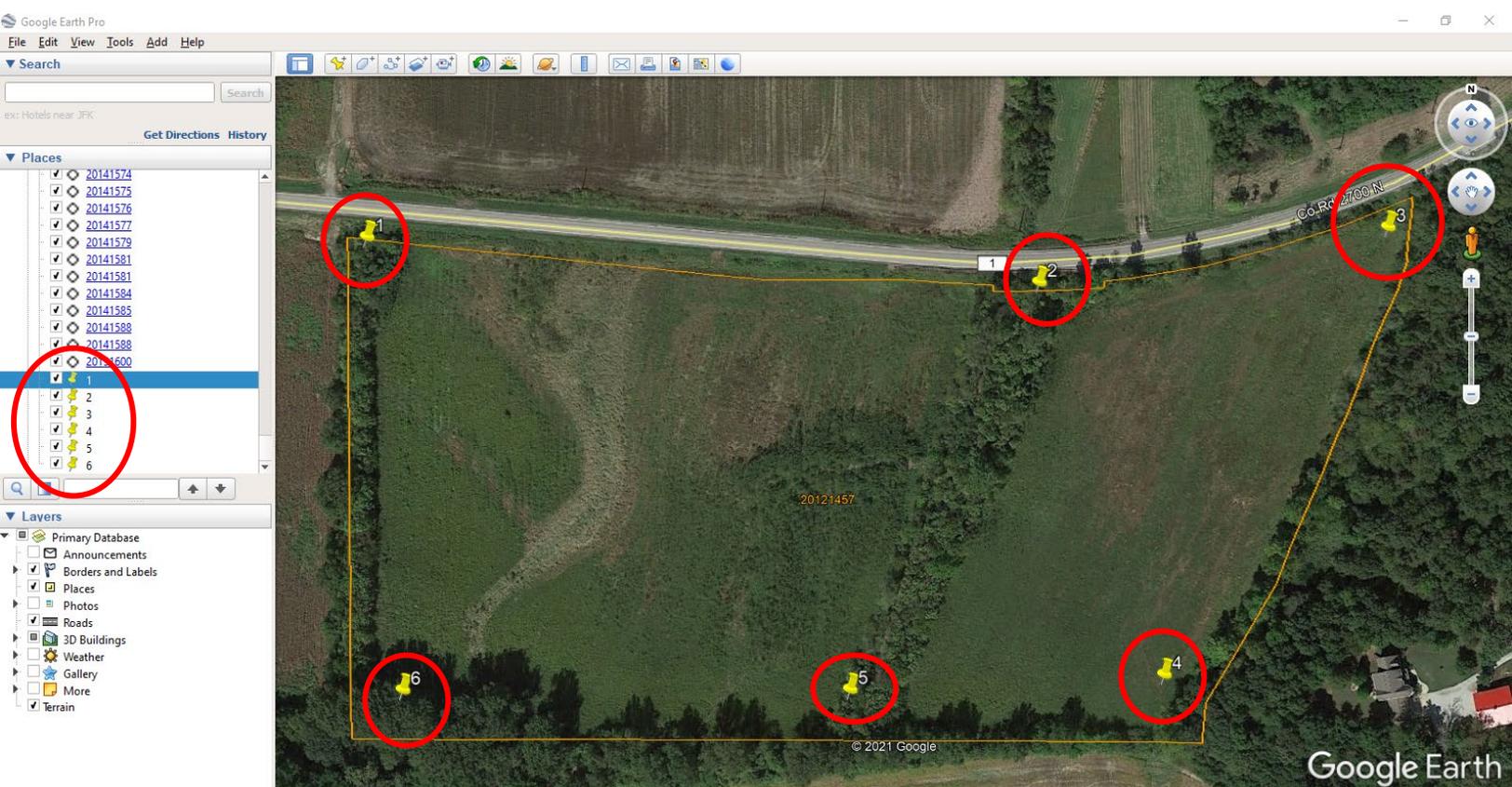


The Remaining Pages Pertain Only to
Using the IDNR CREP .KMZ File
for Monitoring an Easement

Monitoring an Easement

Monitoring - Creating a Photo Point Map

11. A point map is required to be uploaded to the Survey123 monitoring report. The monitoring locations should be the same as previous years to ensure the same locations are being observed. To create a point map, zoom in completely to the photo location and use the Add Placemark tool (pushpin) to add the photo location point to the map. Rename the point to match any existing monitoring report locations.
12. The monitoring photos should be identified in the Survey123 monitoring report according to the number on the point map, I.E. Photo Location 1, Photo Location 2 etc.
13. Pushpins can be deleted by right clicking in the table of contents and then clicking delete.



Monitoring an Easement

Monitoring - Creating a Photo Point Map

14. Use the save image tool give the map a name and save a jpg file to be loaded into the Survey I 23 monitoring application. **.jpg is the required format to be uploaded to the Survey I 23 monitoring application.**



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Contact Information

Any questions regarding the use of the KMZ file and Google Earth can be directed to DNR.CREP@Illinois.gov