

## **Corner Point Exercise**

Using the .LX file provided, create a .GPX file and import it into Google Earth.

Step 1 – Download LX2GPSX

Step 2 – Install LX2GPSX onto your computer

Step 3 – Use LX2GPSX to convert the .LX file into a .GPX file

Step 4 – Install the free version of Google Earth onto your computer

Step 5 – Open Google Earth and drop your .GPX file into it

Step 6 – Zoom to point ID 700300. Does point 700300 on your screen, look the same as point 700300 on the Power Point slide.

**If you are having trouble completing this exercise, here are a few common problems.**

- 1. Downloading the LX2GPSX software is taking too long.**
  - a. If you are using a dial-up internet connection, the download could take a while and may be interrupted. If you cannot get a complete download, you may need to find a computer with a faster internet connection.
  
- 2. After LX2GPSX is installed, it is not listed under “All Programs”.**
  - a. If you can not find the program name under “All Programs”, look for a file named LX2GPSX.exe in the same directory that the Setup.exe file is in. Double click on LX2GPSX.exe to open the program.
  
- 3. The LX2GPSX program creates a .GPX file, but there are no coordinates in it.**
  - a. Make sure you select the GCDB Point ID’s to be converted before clicking the create button.
  
- 4. Google Earth will not install.**
  - a. See the Google Earth ‘Help’ section at <http://earth.google.com/support/>.
  
- 5. The township points will not display in Google Earth.**
  - a. Make sure that your .GPX file is not empty. If it is, see problem # 3 above.
  - b. You may need to change the time setting. Click on ‘View’, ‘Time Setting’, then ‘Never’.
  - c. If .GPX file is fine, see Google Earth ‘Help’ section at <http://earth.google.com/support/>.

After completing the corner point exercise , answer the following questions. Remember to zoom in and out and rotate the view in Google Earth to get a better view of all of the features of this township. Also remember to turn on all of the necessary layers. For example, if the road names are not appearing, then the road layer may not be turned on. Make sure that there is a check mark in the box next to roads (this is usually in the bottom left corner of your screen).

1. Zoom into the SW  $\frac{1}{4}$  of Section 30. Which GCDB Points would you be able to use your GPS unit on to acquire corner coordinates?
  
  
  
  
  
  
  
  
  
  
2. From Umpqua Highway (HWY 38), what road would you turn onto to drive to GCDB Point 440540?

3. Look at the SW  $\frac{1}{4}$  of Section 4. Is it possible that accretion or erosion has occurred on the south side of the river that would affect the boundary of Donation Land Claim (DLC) 49?

4. When visiting GCDB Point 700340, does it appear that you would be on Public or private land?

5. If you had accepted a job that required you to subdivide Section 22 of this township, what information could you collect, before heading out to the field, from the GCDB points that you overlaid onto the aerial photo in Google Earth?

***Optional Exercise:***

Contact your State's GCDB office and request a .LX file for a township near your local area (or download the GCDB coordinates on-line, if available).

Step 1 – Download LX2GPSX (if necessary)

Step 2 – Install LX2GPSX onto your computer (if necessary)

Step 3 – Use LX2GPSX to convert the .LX file into a .GPX file

Step 4 – Install the free version of Google Earth onto your computer (if necessary)

Step 5 – Open Google Earth and drop your .GPX file into it

Step 6 – Review the township in Google Earth.

Step 7 – Download or manually enter one or two GCDB points into your GPS unit.

Step 8 – Make a field visit to the GCDB coordinates that you entered.