*Lab 2 worksheet*

Put ALL answers on this sheet (typed). Use a different font for your answers just to make it easier for me to find/read. Note, to properly answer these questions, you will need to understand what bands are being drawn in what colors, what is reflected (generally) within each band, and how it relates to the area around Ellensburg. Remember that if you don’t know the region well, there’s always high res imagery at Google Earth!

1. Describe the Kittitas County image that you originally opened using the default color scheme
   1. What image bands (layers) are assigned to what colors (RGB) by default in this image. Hint – click on the multispectral tab.
   2. What color is the relatively lush vegetation near Ellensburg? Why? (note, two parts to this answer)
   3. What color is the shrub steppe? Why this particular color in the default bands (ie. relate what you would see in the real world to what you see in this image)
   4. What color is the Yakima River? Why?
2. Time to play with linking and synching views. Under the home tab, click on the arrow that’s part of the Link Views button. Select “link views”
   1. As you pan/zoom on one image, what do you see in the other?
   2. Now, also select ‘synch views’ under the link views button. Now, as you pan/zoom on one image, what happens to the other image? (note, if things seem a little goofy, unlink/synch the images, and then fit each to frame, then go back in).
3. Reset your images such that both are zoomed out and all synched up. Leave one image in color infrared (the default). The second you will change around and describe the changes. Now, goto the multispectral tab
   1. Change the color scheme to TM true color (in the bands area). Which bands are now drawn in which colors? How does the image look different and why? Are there things that are easier to recognize or not? Spend a little time looking around at different landcovers and write a paragraph or two.
   2. Change to color scheme to Desert Detail I. Same questions as A.
4. Based on the metadata window, provide the following info about the kitco image
   1. How many bands/layers does the image have?
   2. What is the pixel size?
   3. What is the mean pixel value for band 5
   4. What are the minimum and maximum pixel values for band 2. Note, for min/max, you will need to look at the histograms and ignore the 0 (background) value.
   5. What projection, datum, and coordinate system are used for this image?
   6. Is the x,y data in feet or meters?