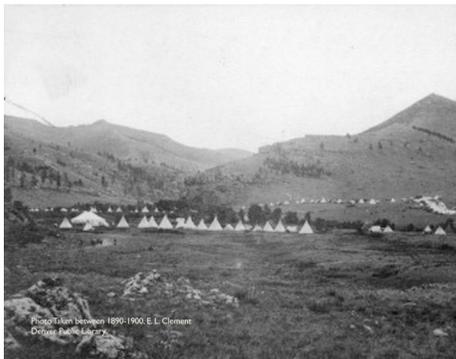


FINALIZING YOUR PHOTOS

In order for the whole class to see your images, the following instructions outline how to 1) match your photos and save them as .jpg images, 2) place these .jpg images in Google Earth, and 3) save them as .kmz files. When you've followed these three steps, please send your images to me as .kmz files, as described below.

STEP 1: Saving Your images as Matched JPEG files and Cropping Them

- 1) In order to prepare matched images, feel free to use any basic photo editor to crop the new image and save it as a .jpg file (e.g. Photoshop). Since most people have access to Powerpoint, I'll describe how to use it to prepare and crop .jpg files.
- 2) Powerpoint provides an easy format to place photos side by side, and save them as a .jpg. Once in a blank Powerpoint presentation, **Insert, Picture, From File**, then browse and select both the historic image and the match you've just taken.
- 3) Place them side-by-side by clicking on them and moving them (see examples below).
- 4) Crop your new photo, not the historic image (since it violates copyright and our permissions to use these photos) so that the images match as best as possible.
- 5) Once matched, select **File, Save As**, choose a file name for your saved match, and under the drop down format tab, select JPEG instead of the default PowerPoint Presentation. Your images will then be saved in a .jpg format as slides in a folder.
- 6) You may need to crop your saved .jpg images in order to remove the white space around the edges. In order to do this, use your computer's image editor. For example, on a Mac, I open the image in **Preview**, use the rectangle select tool to outline the image, then select **Tools, Crop**. I save the image again, with a different name, as a .jpg. This may differ computer to computer.



STEP 2: Using Google Earth to Georeference Your Images

- 1) Once in Google Earth, zoom to approximately 5000 ft. in elevation over the location in which your image was taken. Using the drop down menu **Add, Photo**.
- 2) A box will open asking you to title the photo. Type an appropriate name in the box.
- 3) Use the **Browse** option next to the **Link** box to find your saved .jpg. Select **Open**, when you've found its name, then **Okay**.
- 4) The image should now be spatially referenced in Google Earth, and should appear under **Places** in the drop down menu on your left (see image below).

STEP 3: Saving your image as a .kmz file in Google Earth

- 5) Click on the name of your photo under the **Places** tab so it's selected, or highlighted. Then either right click (both fingers on a Mac) or use the **File, Save**, then **Save Place As**, name your file, and save the image with a .kmz file extension. This will save your file with its spatial coordinates.
- 6) Please either email this .kmz image to me, or place it in **Dropbox** in D2L. I will create one file for all of our class images, so that all of us will be able to easily share .kmz files.

Your final image should appear as something like this:

