My Digital Watershed

GIS
Geographic Information System
Google Earth
Adding Layers (review)

• Go to
  http://scwibles.ucsc.edu/Products/ProductsDocuments/Norris_ContourWhat_supporting/

• Download (right click) watsonville.kmz and choose “save link as” from the menu, navigate to the desktop and click ‘OK’

• From the file menu in Google earth open “watsonvill.kmz” from the Desktop

• It will appear in the “Temporary Places” on the left
Which way does the water go?
(review)

- Where is the river?
- Which direction does the river flow?

http://www.cibolasar.org/minilesson/USMC_mapfigs.jpg
Finding the Pinto Lake watershed

• Double click the Watsonville folder on the left (under “Temporary Places”)

• Find Pinto Lake and zoom in (double click on Pinto Lake)
  – Click the “+” or “-” icons on the slider next to the compass arrow until you see the lake and all the creeks that flow into it

• How many rivers/creeks flow into Pinto Lake?
Drawing the Pinto watershed

- Click the add polygon tool
  - Type “Pinto” as a name
  - DO NOT click OK and instead move the new window of to the side
  - Move the cursor to the bottom of Pinto Lake – note the cursor is now a “sight”
  - Use your knowledge of contours and watersheds to draw the watershed
  - Click “OK” when you are finished, you should now see “Pinto” under “Temporary Places”
How big is the watershed?

• Measuring area with Google Earth
  – **Right Click** your new “Pinto” polygon in the list of places
  – Choose “Save Place as” from the menu
    • Choose Desktop as the place
    • Choose Kml (*.kml) from the “Save as Type” menu
    • Leave the name as “Pinto.kml”
    • Click “OK”
Measuring area on the Internet

- Open a web browser (chrome, firefox, internet explorer)
- Go to: http://extension.unh.edu/kmlTools/
- Click the “Choose File” button and choose your “Pinto.kml” file
- Type “Pinto” in the Description box
- Click the “Submit” button
- When the new page loads click the “Area” button
Flight Simulator

• Do you want to learn how to fly??
• Turn of “Temporary Places” (click the checkbox)
• Go to “Tools” menu and choose “Enter Flight Simulator”
  – Click “SR22” (easier)
  – Click “Current View”
  – Click Start Flight (Good Luck!!!)
Airplane Controls

- Arrows (aerolons and rudder)
- Mouse click (aerolons and rudder)
- Page up – Page Down (throttle)
- “F” – SHIFT “F” (flaps)
- “,” (left brake) “.” (right brake)