

## **CE 603 Homework 2 – Control Point Inventory**

Assigned Monday, 6-February-2006, due Monday 13<sup>th</sup>, 1 week

- Locate two images (81.tif, and 82.tif) on the geomatics drive in the folder bethel\ce603\eros\_a. Note these are full spatial resolution, but radiometric resolution has been reduced from 16-bits to 8-bits. There are two “thumbnails”, 81sm.jpg and 82sm.jpg for fast overview. Nominal GSD is 1.8m. The two images should be in-track stereo (fore-aft) from the EROS-A satellite.
- Look into the Lafayette/West Lafayette control points originally put in for IKONOS, and make a table of which points are visible and measurable on these two images.
- If there is any portion of the stereo model which is lacking control, suggest new points that you would recommend for collection. Keep in mind that visibility, longevity, freedom from traffic, easy access, etc. are considerations for such points.
- For each point in the file, give a rating: 2=good, 1=marginal, 0=not visible. In case not visible, give a reason: out of field of view, resolution/detail not sufficient, covered by tree, truck, etc.
- For each point which is measurable, give the line/sample (row/column) for the point.