

ES322 In-Class Exercise
Determining the Scale of an Aerial Photograph

Refer to the attached aerial photograph. The 1994 captures a scene from the Helmick Park area, located on the Monmouth 7.5-min Quadrangle.

Using the Monmouth Quad, determine the fractional scale of the aerial photograph, show all of your math work and unit algebra.

How many meters on the ground are represented by 1 inch on the air photo ? (show all of your math work).

Assuming the photo was taken using a camera with a focal length of 152 mm, calculate the altitude at which the aircraft was flying (show all of your math work).

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