ES302 – Large-Format Air Photo Scaling Exercise

Use the large format photo provided by the instructor and answer the following questions:

(1) Which way is north on the photo? How do you know?
(2) In what year was the photo taken? Provide as accurate a date as possible, bracketing ages are acceptable as needed.
(3) What is the fractional scale of the photo? Tip: determine the scale at the center of the photo and at least two other locations on the photo.
(4) What was the camera focal length used to acquire the photo?
(5) What was the altitude of the aircraft at the time the photo was acquired?
(6) Determine the total vertical relief on the photo. Answer in feet and meters.
(7) Question – Is this photo orthorectified? What does “orthorectified mean? (question: is the photo scale constant throughout or scale variable?).