Figure 1. Aerial photographs of a particularly saddled area of the Columbia Quadrangle taken half a century apart, show how agricultural activities have changed the terrain. Figure 1a is derived from an 1840 image, especially in the agricultural fields located on the western portion of Section 34, T1N, R10W. Figure 1b is from a digital aerial photograph taken on July 6, 1990, and the western portion of Section 36, T1N, R11W. Figure 1c is from a digital aerial photograph taken on July 6, 1990, and the western portion of Section 34, T1N, R10W. Sinkholes were not evident in the 1840 image but were evident in the 1990 images. Figures 1a and 1c are insets from a 1:12,000-scale DOQQ produced from aerial photography acquired on March 3, 2005, showing the eastern portion of Section 34, T1N, R10W. Figure 1b is from a digitized DOQQ produced from aerial photography acquired on March 3, 2005, showing the eastern portion of Section 34, T1N, R10W. Groundwater Basin/watershed boundary is approximate. Locations of sinkholes are approximate due to the resolution of the 1840 image. The 2005 image shows sinkholes that have been remediated using culverts and other drainage structures. The 1840 image is representative of the condition that was present in the area in 1840, while the 1990 images illustrate the condition present in the area in the late 1980s. The 10,000-foot ticks demonstrate the number of yargh that have occurred in the landscape during the 65-year interval. The 2005 image shows areas that were not drained using culverts and then later filled in to increase cropland area. Subtle changes in surface features such as contours are evident in the aerial photographs. The 1840 image is more detailed than the 1990 images, and the remnants of the 1840 image can be seen in the 1990 images. The 1840 image reveals a number of changes that have occurred on the landscape during the 65-year interval. The 2005 image reveals the changes that were made in the landscape during the 65-year interval. The 2005 image shows sinkholes that have been remediated using culverts and then later filled in to increase cropland area. Subtle changes in surface features such as contours are evident in the aerial photographs. The 1840 image is more detailed than the 1990 images, and the remnants of the 1840 image can be seen in the 1990 images. The 1840 image reveals a number of changes that have occurred on the landscape during the 65-year interval.