

Lesson 1 - Downloading Publicly Available Data

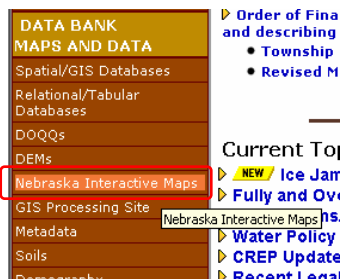
Exercise 1-1

Objective: Locating the Compressed **Digital Orthophoto Quarter Quadrangle (COQQ)** file on the Internet Map Server.

1. Go to the Nebraska Department of Natural Resources (DNR) website at www.dnr.ne.gov and locate the **DATA BANK - MAPS AND DATA** section.



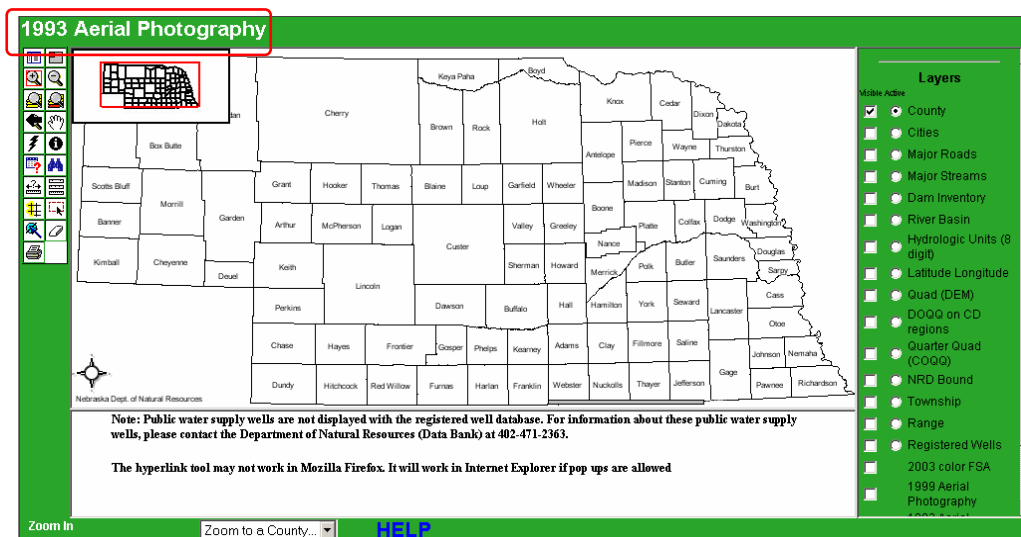
2. Click **Nebraska Interactive Maps** tab.



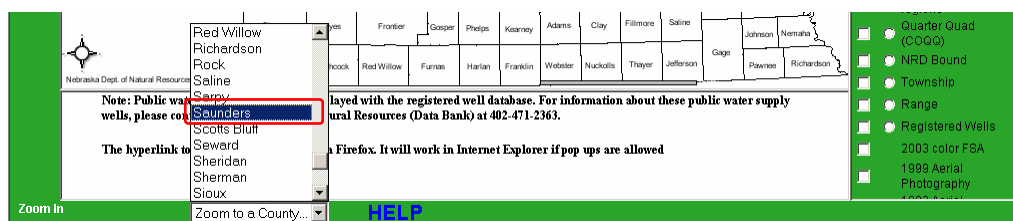
3. On the following page, select **Nebraska Interactive Map** section.



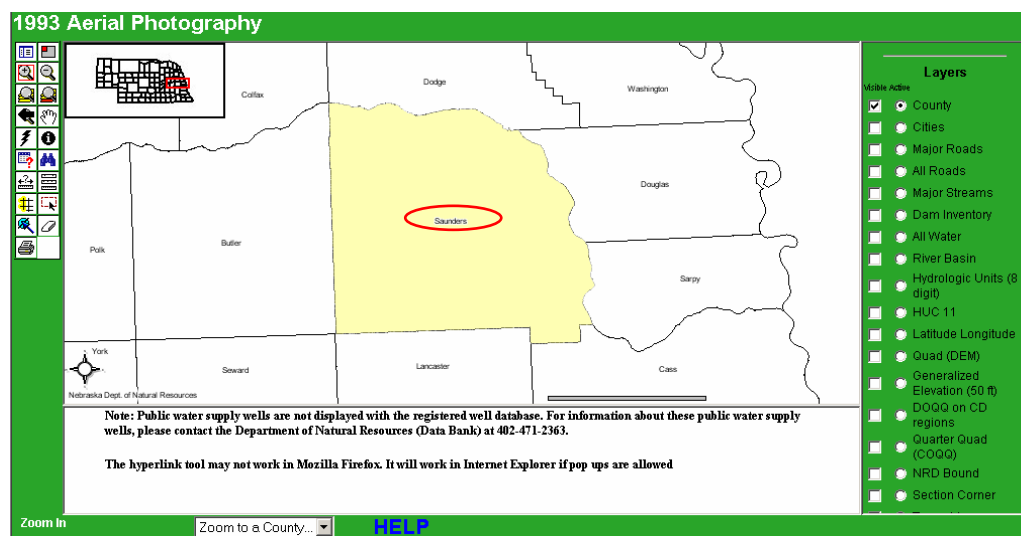
The following page entitled **1993 Aerial Photography** will appear.



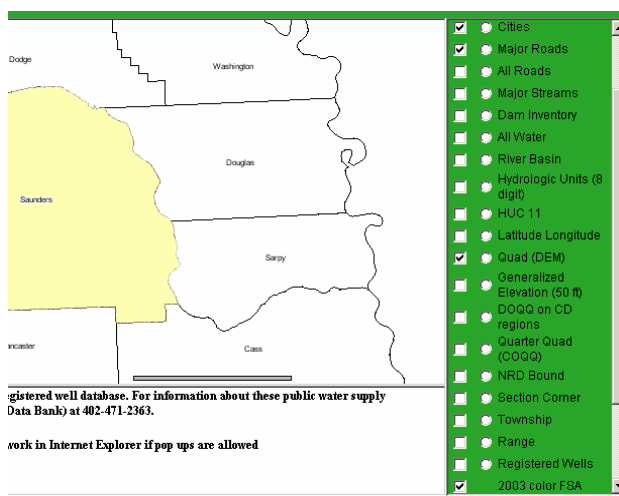
4. Use **Zoom to a County** pull-down menu to zoom to **Saunders County**.



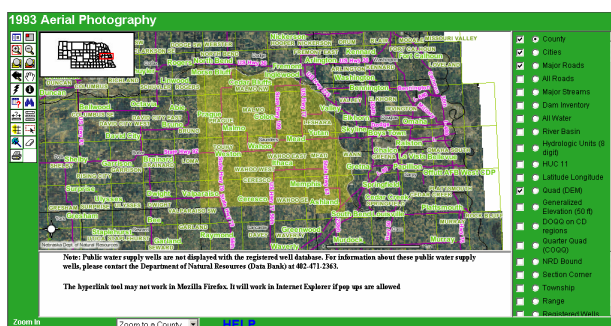
The **Saunders County** map will be shown and highlighted as follows:



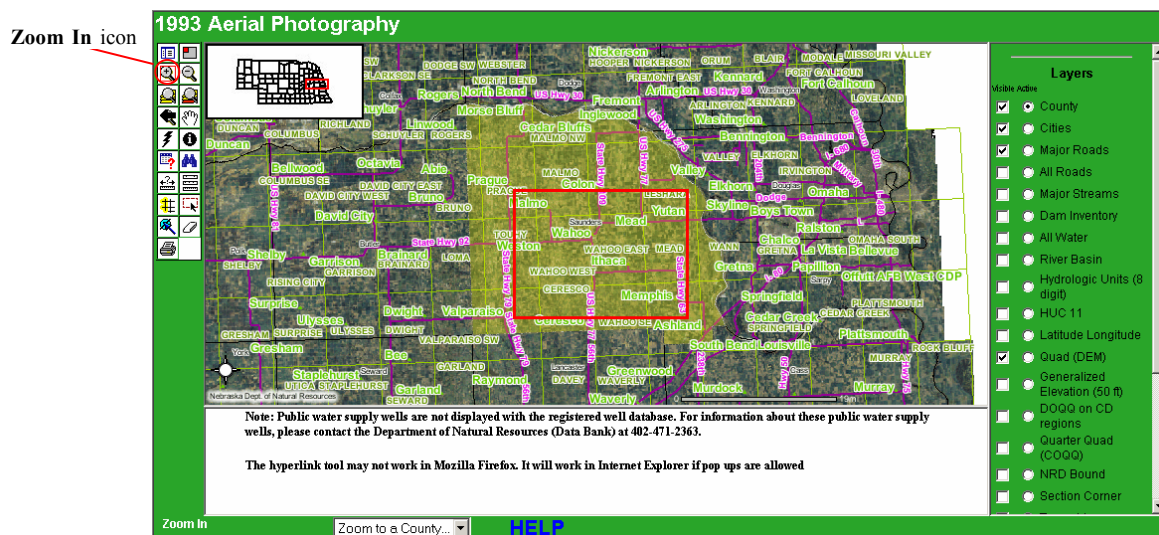
5. Mark the **Layers** to be visible (**Cities, Major Roads, Quad (DEM)** and **2003 color FSA**).



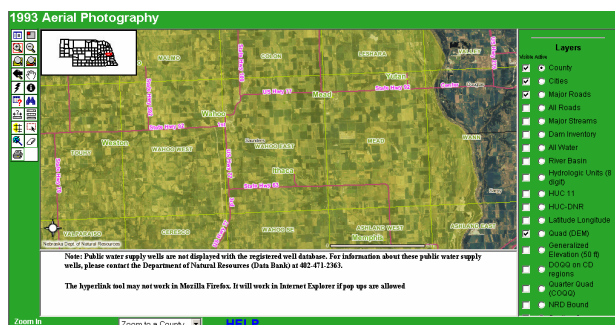
6. Click the **Refresh Map** icon to update the map with the new layers.



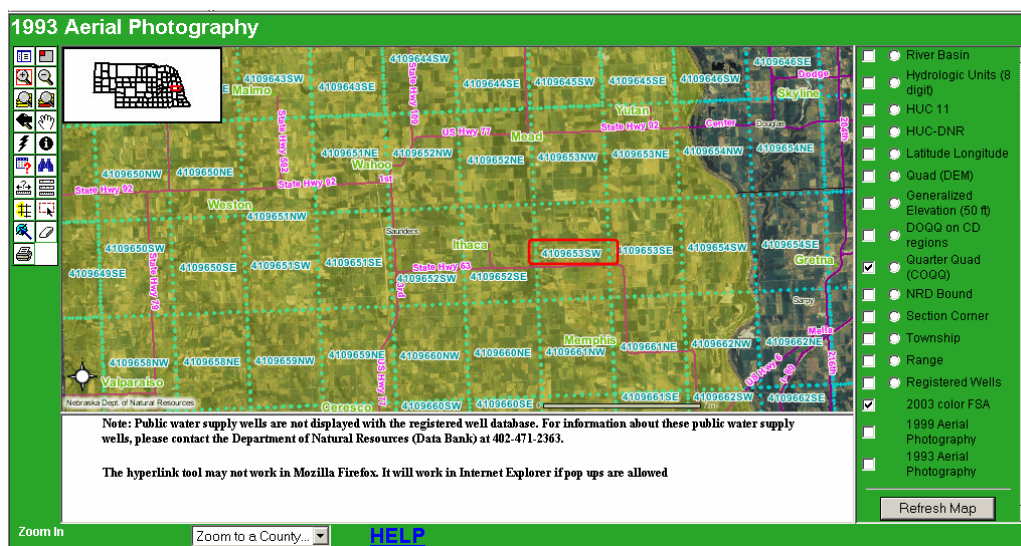
7. Choose the **Zoom In** tool and highlight the area of interest including **Wahoo, Mead and Ithaca**.



After retrieving the map, the following result will be obtained:



8. The field of interest belongs to the Quad of Mead. Unselect **Quad (DEM)** and select **Quarter Quad (COQQ) Layers** and click **Refresh Map**. The Quarter Quad of interest is **4109653SW**. It is marked with a red rectangle on the following map.



The first five digits of the COQQ represent whole degrees of geographic latitude (41) and longitude (096). The letters SW indicate the southwest position of the quarter quad inside the corresponding quad.