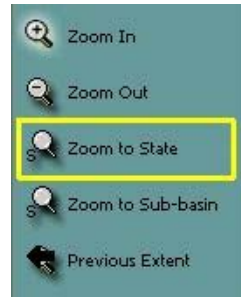


## Downloading NHD (Water) Data

NHD data can be downloaded from the NHD viewer:

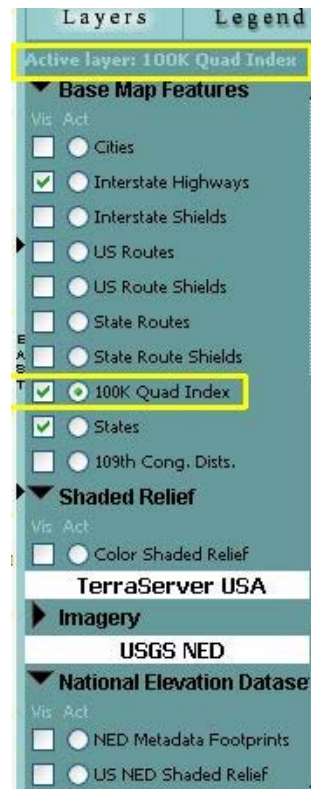
<http://nhdgeo.usgs.gov/>

The viewer - when it works - seems to work the best using IE, once the viewer starts up look at the left hand side:



Click on the "Zoom to State" tool and select your desired state.

Now look at the layers dialog on the right hand side:



The square check boxes determine what layers are visible while the round radio buttons determine what layer is active.

The following settings are needed:

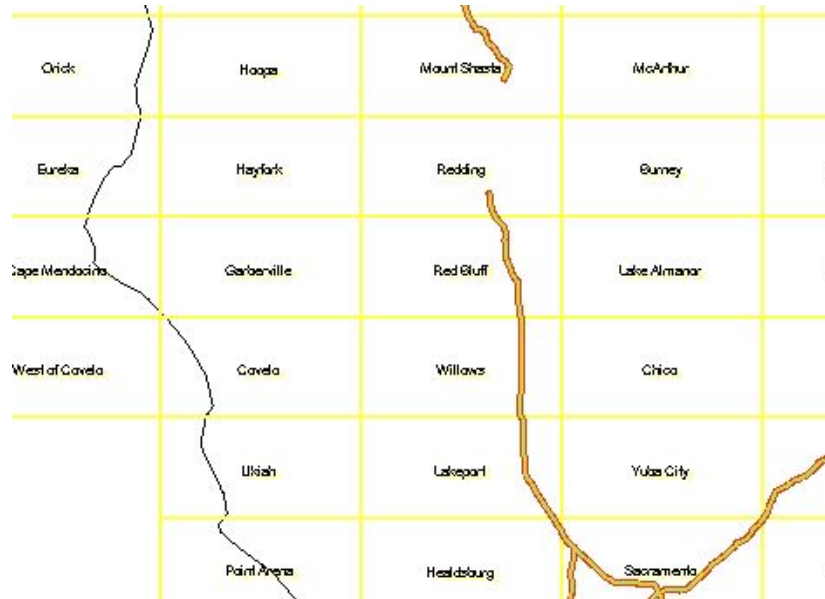
**Active: 100K Quad Index**

**Visible: 100K Quad Index, States** (at a minimum)

Note that the active layer is indicated at the top of the layers dialog.

**Please note: Zooming will sometimes cause your visible/active layers to be changed. If you zoom make sure to check your visible/active settings.**

With those settings the display will look something like this:

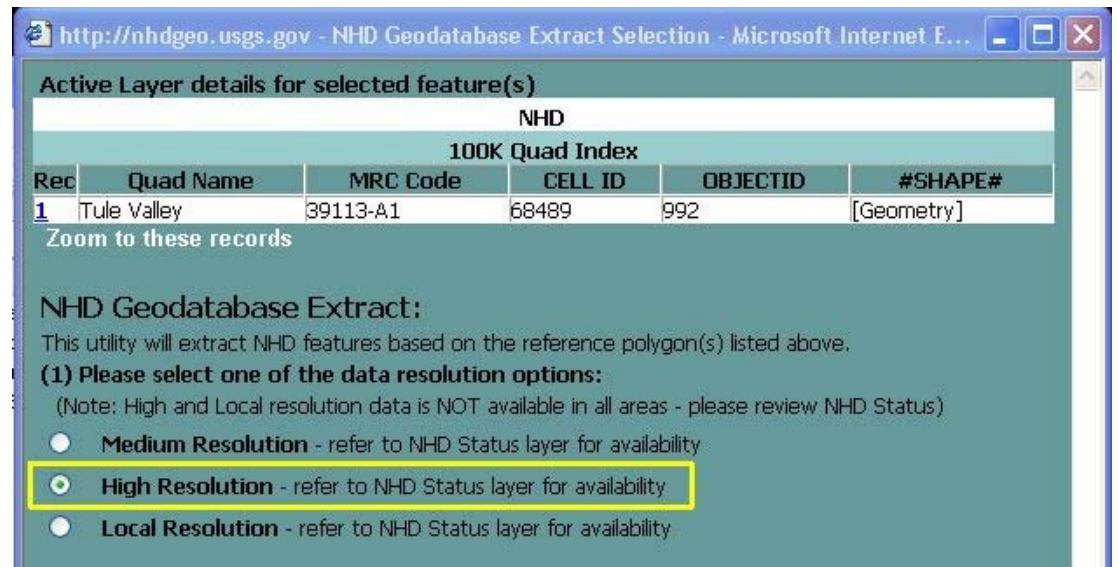


Now on the left hand side select the "Polygon Extract" tool:



Now in the main display select a 100K quad region. To select a 100K quad region left click and drag a small box inside the region of interest. **Please note that if you simply click inside a quad you will get erratic results - you need to drag a small box.**

After selecting a quad the following dialog will open:



(2) Please select one of the three data format options to extract your data:

- Personal Geodatabase - will extract data in ESRI personal geodatabase format (8.3 GDB release)
- File Geodatabase - will extract data in file geodatabase format.
- Shapefile - will extract data in shapefile format, compatible to geodatabase content.

(3) Please indicate Flow Table option:

Populate Flow Table Keep turned off for faster processing. [What is the Flow Table?](#)

(4) Please enter your Email address:

Extract Close

(R91)

Internet

Select **high resolution** in the top section, **shapefile** in next section, leave the third section **unchecked** and put your **email** in the fourth section. Hit the Extract button and you should get a confirmation display.

At some point in the future (it could be minutes, hours or days and sometimes never) you will get an email with a link for downloading the data.

#### Some Notes

- The 100K quad downloads are **required** so that I can somewhat easily correct some overlapping issues the data has.
- The system sometime crashes - you'll know when it happens - just check back later and they usually get it reset pretty quickly
- The server can be really slow during prime time, performance is much better late at night or early in the morning.
- Some states, for example Utah, have agencies that have this data available via FTP which is MUCH, MUCH easier. So before you start on a state do some Googling....