# Missouri High Resolution NHD Project

National Hydrography Dataset

### Update for February 2003 Technical Committee Meeting

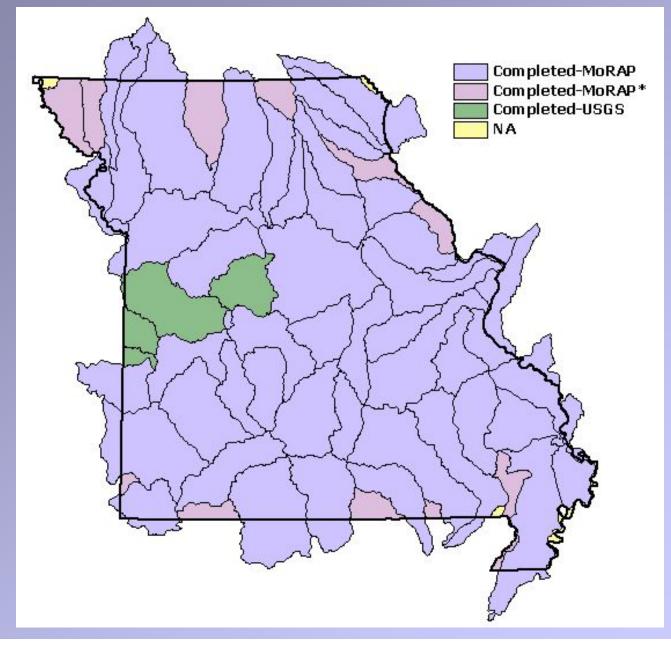






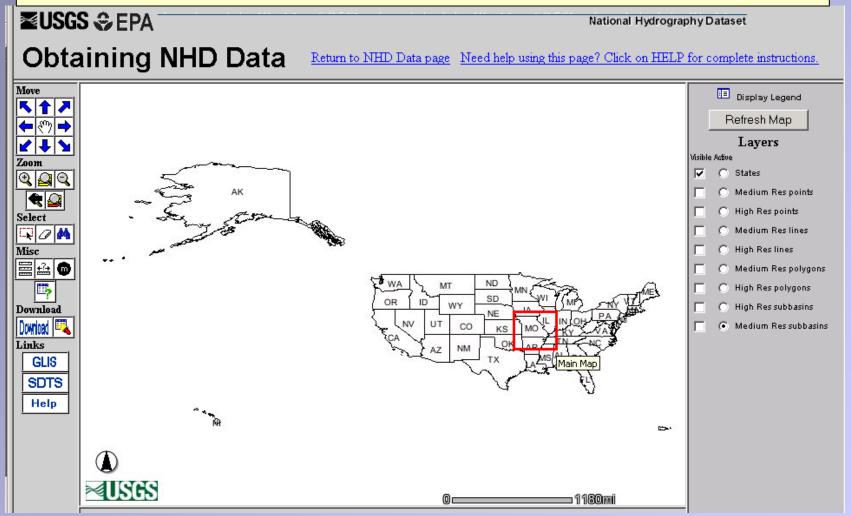


### **Status**



# **Accessing MO NHD in the FOD**

#### http://edcnts14.cr.usgs.gov/Website/nhdserver/viewer.htm



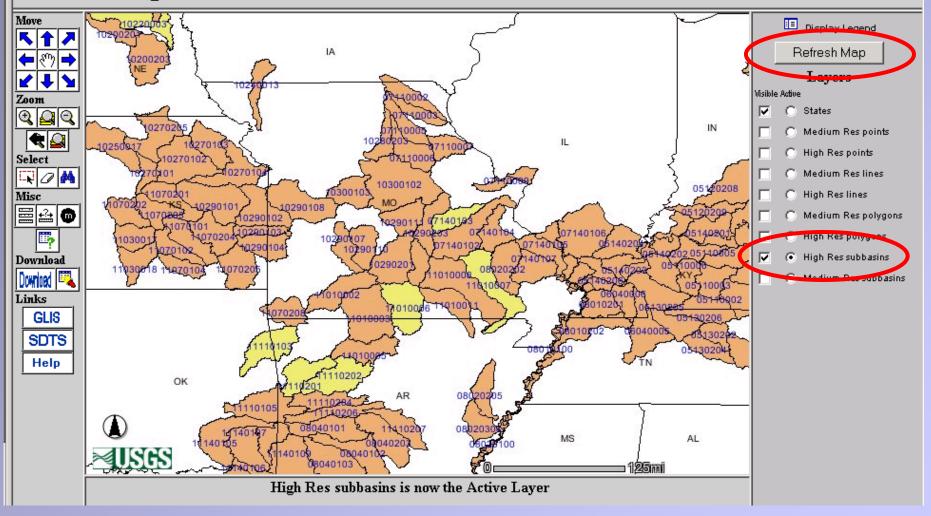
#### 1. Use crosshatch to draw red box around state of Missouri

#### EPA 🔁

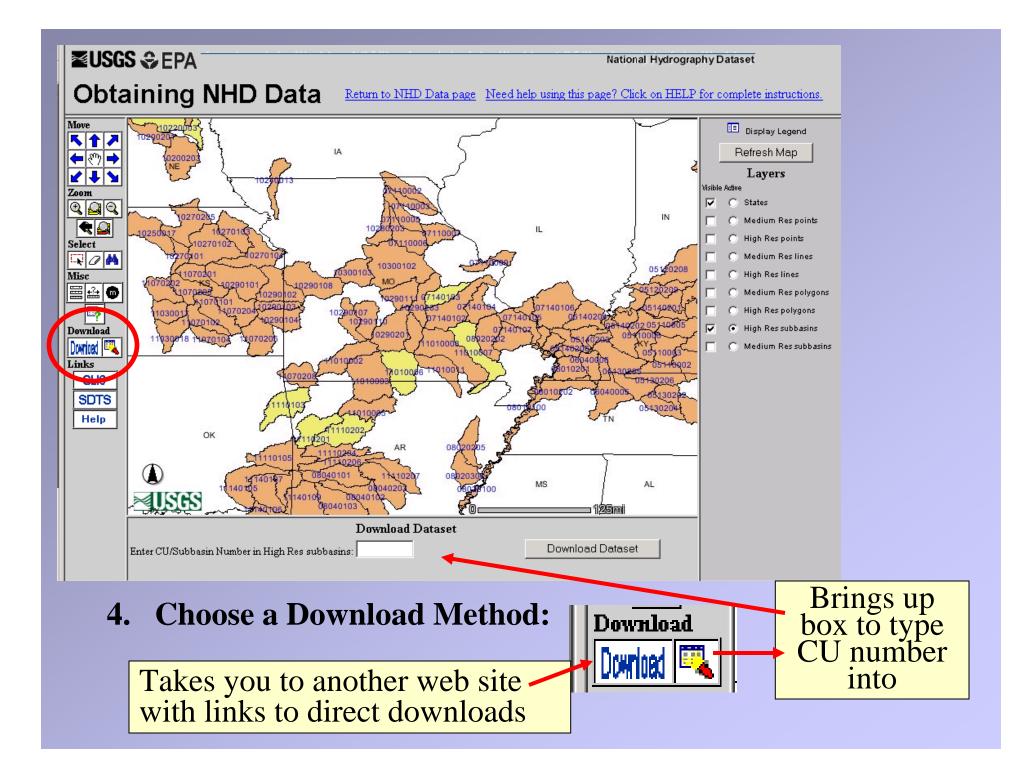
National Hydrography Dataset

#### Obtaining NHD Data

Return to NHD Data page Need help using this page? Click on HELP for complete instructions.



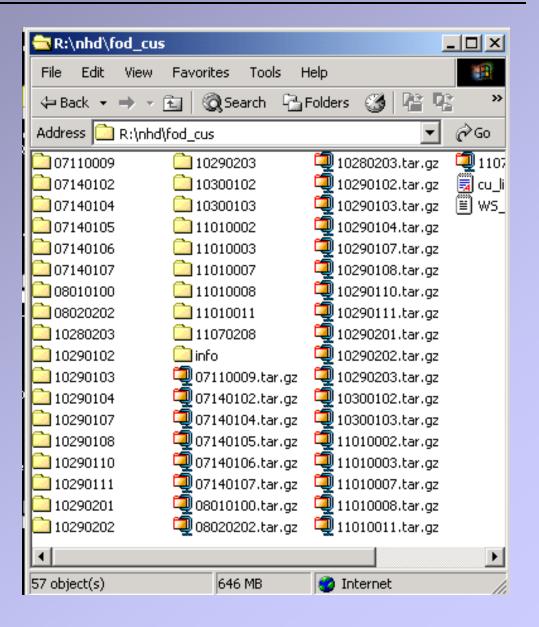
- 2. Make "High Res Subbasins" Visible and Active
- 3. Click [Refresh Map] button

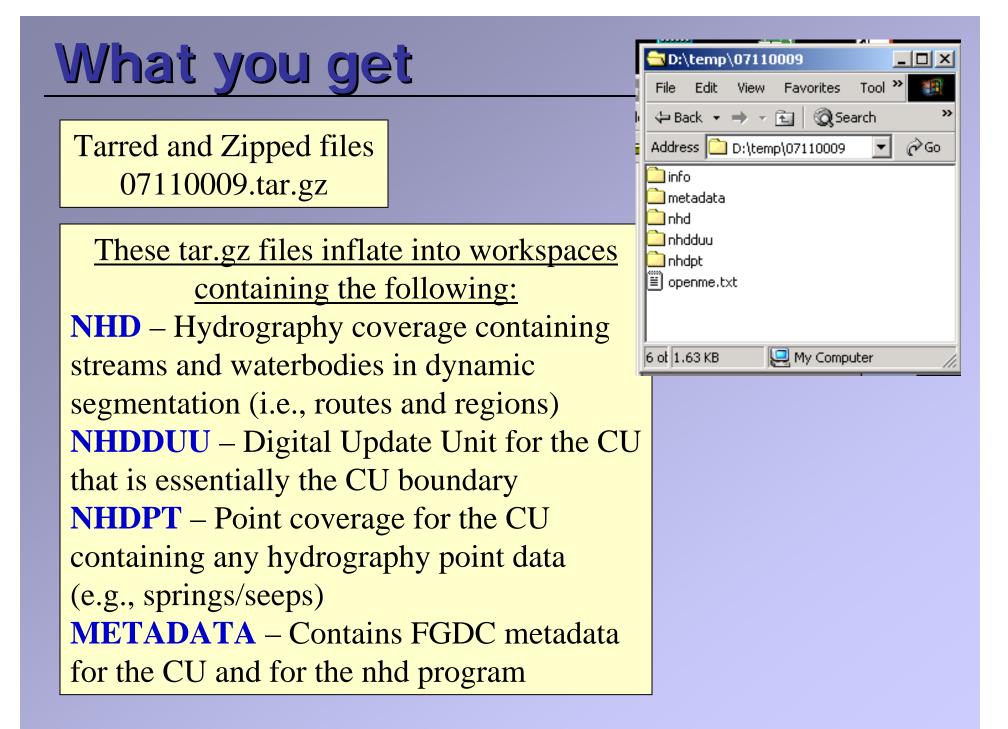


# What you get

Tarred and Zipped files 07110009.tar.gz

These can be opened using **WinZip** or **ArcInfo** tar and gzip commands





## How to use the data

#### http://nhd.usgs.gov/

Contains links to Tools and Applications, including the NHD ArcView Toolkit





#### National Hydrography Dataset

The National Hydrography Dataset (NHD) is a comprehensive set of digital spatial data that contains information about surface water features such as lakes, ponds, streams, rivers, springs and wells. Within the NHD, surface water features are combined to form "reaches," which provide the framework for linking water-related data to the NHD surface water drainage network. These linkages enable the analysis and display of these water-related data in upstream and downstream order.

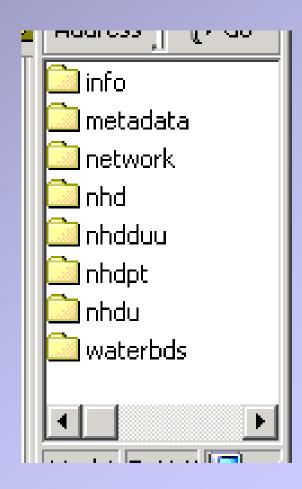
 $T_{\rm he}$  NHD is based upon the content of USGS Digital Line Graph (DLG) hydrography data integrated with reach-related information from the EPA Reach File Version 3 (RF3). The NHD supersedes DLG and RF3 by incorporating them, not by replacing them. Users of DLG or RF3 will find the National Hydrography Dataset both familiar and greatly expanded and refined.

While initially based on 1:100,000-scale data, the NHD is designed to incorporate and encourage the development of higher resolution data required by many users.

### How to use the data

#### Another option...

AML program written by MoRAP and USGS (nhd2arc.aml) that converts the NHD coverage into 2 new coverages: **NETWORK** – arc coverage of all streams, canals and artificial paths with necessary attribution **WATERBDS** – polygon coverage of all waterbodies (ponds, lakes, and double-line streams) with necessary attribution



# Updates

- All CUs in original agreement with USGS have been completed through production at MoRAP
- CUs are now being put through final QAQC at USGS and being loaded into the FOD
- There are 12 CUs that fall partially within MO that do not have complete NHD coverage
  - Currently partial data for these CUs can be acquired through MoRAP
  - •Future hope is to receive an EPA grant to complete NHD coverage for Missouri