



“Putting NHD*Plus* to Work: Applying A National Geospatial Surfacewater Framework”
Technical Workshop Agenda
USGS - Denver, CO – Feb 26-28, 2008

Objective: The Workshop is intended for Geographic Information System (GIS) practitioners, hydrologic modelers, and water resource analysts, and will provide the opportunity to learn more about applying NHD*Plus* through the experience gained by the NHD*Plus* team and other users, since NHD*Plus* was first released in early 2006. Techniques, tools, and data enhancements will be among the many topics covered. Attendees will have the chance to interact and share their own lessons learned with others from a growing and diverse NHD*Plus* user community.

Tuesday, February 26th

USGS National Geospatial Technical Operations Center Auditorium (Federal Center, Building 810)

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| 8:30 AM | Welcome <ul style="list-style-type: none">▪ USGS (J.Simley, USGS; T.Casadevall, USGS)▪ EPA (T.Dewald, EPA) |
| 9:15 AM | Introduction to NHD <i>Plus</i> <ul style="list-style-type: none">▪ NHD<i>Plus</i> Components<ul style="list-style-type: none">• Concepts (C.McKay, Horizon Systems Corporation - HSC)• Enhanced NHD (C.McKay, HSC) |
| 10:00 AM | Break |
| 10:15 AM | Introduction to NHD <i>Plus</i> (continued) <ul style="list-style-type: none">▪ NHD<i>Plus</i> Components<ul style="list-style-type: none">• Catchments, Elevations & Grids (R.Moore, USGS)• Catchment & Cumulative Attributes (R.Moore, USGS)• Elevation Smoothing (T.Bondelid, Consultant)• Flow Volume & Velocity Estimates (T.Bondelid, Consultant)• QAQC Spreadsheet (T.Bondelid, Consultant) |
| 11:30 AM | Lunch |
| 1:00 PM | Introduction to NHD <i>Plus</i> (continued) <ul style="list-style-type: none">▪ Data Extensions (T.Bondelid, Consultant)▪ Data Curiosities & Anomalies (C.Johnston, USGS) |
| 1:45 PM | Break |
| 2:00 PM | Linking Data to the NHD/NHD <i>Plus</i> (C.McKay, HSC) |
| 3:00 PM | Understanding Core Water Program Databases <ul style="list-style-type: none">▪ EPA (K.Gunthardt, EPA; W.Reid, EPA ; P.Rana, EPA) |
| 4:00 PM | Break |
| 4:15 PM | Understanding Core Water Program Databases (continued) <ul style="list-style-type: none">▪ USGS (A.Rea, USGS) |
| 4:45 PM | Parking Lot Items and Wrap-up (T.Dewald, EPA) |
| 5:00 PM | Adjourn |
- ❖ 5:30 – 7:00 PM Meet & Greet Social at Hampton Inn (137 Union Blvd) – Everyone is invited!

Wednesday, February 27th

USGS National Geospatial Technical Operations Center Auditorium (Federal Center, Building 810)

- 8: 30 AM Using *NHDPlus*
- Basic Concepts & Constructs (T.Bondelid, Consultant)
 - Network Navigation (C.McKay, HSC)
 - Network Analysis (C.McKay, HSC)
- 10:00 AM Break
- 10:15 AM Advanced Techniques, Tips & Tricks (R.Moore, USGS; C.Johnston, USGS)
- 11:30 AM Lunch
- 1:00 PM Advanced Applications & Tools
- Drainage Area Delineation (A.Rea, USGS)
 - Loading & Using *NHDPlus* in ESRI ArcHydro (A.Rea, USGS)
 - Drainage Area Characterization (A.Rea, USGS)
- 2:10 PM Break
- 2:25 PM Advanced Applications & Tools (continued)
- Catchment Attribute, Allocation & Accumulation (C.McKay, HSC)
 - Aquatic Exposure/Impact Analysis (C.McKay, HSC)
 - Simple Models (T.Bondelid, Consultant)
 - Sharable Web Resources (T.Dewald, EPA)
- 3:30 PM CUAHSI Hydrologic Information System (David Tarboton, Utah State University)
- 3:45 PM Break
- 4:00 PM What's Next With *NHDPlus*?
- Version 2.0 Data Model (C.McKay, HSC)
 - Refresh/Build Process & Tools (C.McKay, HSC)
 - Technical Support Discussion (T.Dewald, EPA)
 - Upcoming Events (T.Dewald, EPA)
- 4:45 PM Parking Lot Items and Wrap-up (T.Dewald, EPA)
- 5:00 PM Adjourn

Thursday, February 28th

USGS National Training Center – Copper, Keystone, Snowmass Rooms (Federal Center, Building 53)

- 8:30 AM Introduction to the Lab (*NHDPlus* Team)
- 8:45 AM Open Time (attendees work on their own with consultation from *NHDPlus* team)
- 11:45 AM Parking Lot Items and Wrap-up (T.Dewald, EPA)
- Noon Adjourn