**Agenda**

**Louisiana NHD Maintenance Training**

**Monday, 14 June – Wednesday, 16 June 2010**

**Day 1 – Monday, 14 June 2010**

**Introductions**

**Housekeeping**

Class times – 8:00am to 4:00pm each day.

Breaks – many breaks will be offered, typically 15 minute breaks.

Break Room

Restrooms

Lunch – when and where?

**Description of Maintenance Training Class**

This class will discuss the NHD Maintenance process from beginning to end, and all NHD Maintenance tools, including the NHD GeoEdit Tool version 3.3.2 using model 1.06 data. This class will review the full maintenance process starting with a flow diagram detailing the process. Once the process has been highlighted, we will enter ArcMap and complete hands-on each step in the maintenance process.

**NHD Maintenance Flow Diagram**

Review the Maintenance process using a standard flow diagram NHDFlowDiagram.pptx.

**NHD Maintenance Check List**

Review the NHD High Resolution Maintenance Check list document detailing each step

in the Maintenance process.

**NHD Editing Using the NHD GeoEdit Tool**

Open ArcMap v9.3 SP1.

Load NHDGeoEdit Tool and discuss.

Open and discuss NHDinGeo\_table\_edits\_2\_21\_2007.xls – The manual process.

Load NHD geodatabase and symbolize.

Discuss all NHD table, in particular the ‘Status’ table.

**NHD Maintenance Process** – We will load data and use ArcMap to complete the following

steps in the Maintenance process.

Step 1: Project Setup

Step 2: Reproject Geographic to Albers

Step 3: Create New Feature Classes for importing

Step 4: Build Topology

Step 5: Load Geodatabase data into ArcMap

Step 6: Resolve Topology Errors

Step 7: Remove Topology Layers

**Day 2 – Tuesday, 15 June 2010**

**Continue NHD Maintenance Process**

Step 8: Locate and Resolve all Gapped and Branched ReachCodes and GNIS names

Step 9: Verify Artificial Paths are not Present Outside of NHDAreas/NHDWaterbodies

Step 10: Verify StreamRivers are not Present Inside NHDAreas/NHDWaterbodies

Step 11: Resolve all Waterbody Area ComID Issues

Step 12: NHDFlowCheck

Step 13: Extract Transactional Updates

Step 14: Complete any required Corrections from XMLExtract

Step 15: Updates and Revisions

Step 16: Extract Transactional Updates

Step 17: Complete any required Corrections from XMLExtract

Step 18: Reproject Data from Albers to Geographic

Step 19: Extract Transactional Updates

Step 20: Complete any required Corrections from XMLExtract

**Day 3 – Wednesday, 16 June 2010**

**Continue NHD Maintenance Process**

Step 21: Quality Control Checks

Step 22: Reproject from Albers to Geographic

Step 23: Final Extract Transactional Updates

Step 24: Final Load Transactional Updates

Step 25: Move Final Copy to Geo Load Folder

Step 26: Build Flow Tables for Final Submittal

Step 27: Add Stream Levels

Step 28: Remove Geometric Network

Step 29: Compact Geodatabase

Step 30: Submittal for Load

Questions and Answers