**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