



## **Integrating Terrain Navigator & GPS**

### **Training for Landowners & Natural Resource Professionals**

**Instructors:** Jonathan Kays, Extension Specialist – Natural Resources

### **Agenda**

- 8:30 Registration (Each participant receives a GPS unit for workshop use and a training manual)
- 9:00 Introduction to GPS and Terrain Navigator software
- How GPS is used in forestry and how Terrain Navigator can help perform jobs better.
- 9:15 Setting up Terrain Navigator
- Updates, save CD maps to hard drive, connecting to GPS units, setup preferences, selecting a location, navigating the map, map scale and zoom
  - Brief review before moving on
- 9:45 Terrain Navigator Tools
- The hand, center, distance tools, marker tool, creating a label, drawing a route, route information, creating a track by hand, information tool, layers
  - Brief review before moving on
- 10:45 Creating Routes & Waypoints Using Bearings
- Creating routes using bearings
  - Locate plot in USA Photomaps and Terrain Navigator
  - Use integrated Google Map function to locate property boundaries
- 11:15 File Management & Printing
- Saving GPS data, saving maps, emailing maps
  - Setting up the map for printing, printing options
- 11:45 Reviewing functions of the GPS receiver
- Brief powerpoint to reacquaint users with functions of Garmin GPSMap76Cx unit
- 12:00 Lunch

- 1:00 Case Study Worksheet Exercise
- Provide scenario and worksheet check list which will require going to USA PhotoMaps to find start location, transfer bearings to azimuth and create route and waypoints for area of interest. Participants then download waypoints and routes to GPS unit and a map will be provided for field use.
- 1:45 Outside Skills Session
- Carpool to field site
  - Clear and turn on tracks
  - Walk perimeter of area. Re-mark and average corners. Use tracks to mark an open field and road.
- 2:45 Download Field Data and Produce Map and Data
- Download data taken in field to truth-test initial locations. Delete original points. Change color of waypoints and route.
  - Produce final map
- 3:45 Fill out evaluation and adjourn