

GPS Field Exercise, Mason Mountain Wildlife Management Area, near Mason, TX

Objectives:

- 1) Gain field experience with a mapping-grade GPS receiver (Trimble Nomad)
- 2) Gather GPS points and lines to constrain the positions of features for later incorporation in a GIS
- 3) Enjoy the spring weather and (super) exotic game

Procedure

Pairs or groups of three students will work in teams to collect positions (points, or vertices of lines or polygons) on the following features:

Lines

Granite outcrop boundaries

Points

Joint orientation in granite
Man-made features

Polygons

Granite outcrops (?)
Man-made features

Equipment:

- Garmin E-Trex Vistas
- Trimble Nomad Receivers

All data will be collected and stored relative to NAD83 in UTM zone 14N coordinates.

The Trimble map-grade device will contain your pre-built ArcPad 10 projects that can be used to capture GPS points, lines and areas directly into feature classes.

Departure and Gear:

We will depart from the East basement door at 7:30 AM, Saturday, November 9.

We will stay the evening of 9th at a modern (i.e. running water, showers, etc.) bunkhouse in the WMA. You will need a sleeping bag or blankets – the bunk beds have mattresses but no bedding. Dinner Saturday night and breakfast Sunday morning are provided, but you will need a lunch for Saturday.

Items you will need include:

- Clipboard
- Field book
- Water bottle
- Day pack
- Trimble Nomad GPS receiver with the WMA GIS loaded
- Pencil(s), eraser, etc.
- Rain coat
- Hat
- Sturdy shoes or boots
- Brunton Compass (provided)
- 1 lunch

Alcohol is not permitted within the WMA - please do not bring any.