

## **MODULE I, INTRODUCTION TO GPS/GIS**

### ***Lab Exercise #13 - Starting a New GIS Project***

#### **OBJECTIVES**

Students will be able to:

- setup a new GIS project from scratch
- set projections and resolution

#### **MATERIALS**

- ArcView (other GPS receivers and software are available and can be used. Refer to hardware and software manuals for instructions to complete exercise). Groups of 2-3 work best.

#### **PROCEDURE**

1. Boot up ArcView. Program Window and project window are displayed.
2. Click on File/Save Project As, and enter "Intro GIS" as name.
3. Click on New button in project window (view window opens)
4. Click on View/Properties and set projection to State Plane and your local zone (IA North or your local area)
5. Set distance units as miles
6. Save files for future use. Determine an appropriate naming convention for files.



# **MODULE I, INTRODUCTION TO GPS/GIS**

## ***Lab Exercise #13 - Starting a New GIS Project II***

### **OBJECTIVES**

Students will be able to:

### **MATERIALS**

- ArcView (other GPS receivers and software are available and can be used. Refer to hardware and software manuals for instructions to complete exercise). Groups of 2-3 work best.
- ArcView 3.0 exercises (if shape files listed below for themes are not available, use exercises included with ArcView)

### **PROCEDURE**

1. Boot up ArcView and open project from previous exercise
2. Click on View/Add Theme, add BlackHwk.shp
3. View/Add Theme, add Bhhiway.shp
4. View/Add Theme, add Soils data (check with instructor) S881314.shp
5. View/Add Theme, add aerial photo K13.tif, K14.tif, 113.tif
6. Click on each of the themes to view them
7. Save project for future use. Determine an appropriate naming convention for files.

