



# Alert, Evacuate and Shelter Mapping Program

The Alert, Evacuate and Shelter Mapping Program are a series of tutorials on how to locate files in order to develop a map showing all the Emergency Shelters in a county. The overall objective of these tutorials is to show a user with limited computer experience how to develop a map using the ESRI ArcView software. Even though the tutorial is based on creating a Shelter Map, the concept can be used for any type of map using ArcView.

As the user goes through each tutorial, there will be examples of screens that will show up. Since all computers are not created the same, some of the screens may look a little different. Also, some of the keystrokes may be different. Just work your way through and the end product will be the same – a Printable Map.

The tutorials are divided up into five steps:

- Step #1 – Create a location for the User's Maps
- Step #2 – Find and download a Map
- Step #3 – Create a basic County Map
- Step #4 – Download Waypoints
- Step #5 – Create a Printable Map

## **Step #1 – Create a location for the User's Maps (4 pages)**

- The user will need a location to put all the files he/she downloads. The tutorial makes a recommendation on this.
- The user will find that it is easier to remember where all the files are located if he/she follows the recommendation.

## **Step #2 – Find and download a Map (14 pages)**

- This tutorial takes the user to the ESRI Website to find the map.
- Granted there are probably many locations to find a better map of your county, but this is a good start.
- Many of the better maps, the user will have to pay for
- NOTE: The user can check to see if their county has a GIS Group, if so this maybe a good place to find a better map.

## **Step #3 – Create a basic County Map (16 pages)**

- This tutorial will give the user a really basic view of what ArchView can do. It is a simple tutorial that walks the user through developing a map with no knowledge on how to use the software.

- ArcView is a VERY powerful piece of software where a user can spend years learning how to use all its functions.

#### **Step #4 – Download Waypoints** (16 pages)

- This tutorial makes the assumption that the user knows how to use a GPS and how to take waypoints.
- If the user is unclear of this procedure, he/she should seek help and guidance.
- Granted the overall objective of these tutorials is how to create a printable Shelter Map, the basic concepts above will still allow the user to create a county wide map even if they do not download any waypoints.
- The tutorial is written using a Garmin (one of the manufactures of GPS Units). If you use a different brand, then the user will have to follow the directions on the manufactures guidelines on how to download points.
- **PLEASE NOTE: no matter how the waypoints are downloaded, they MUST be saved to an ArcView Shapefile in order for the points to show up on a ArcView map.**

#### **Step #5 – Create a Printable Map** (14 pages)

- Just because the user creates a map, it does not mean it is meaningful once it is printed.
- This tutorial takes the user to the final step and shows how to make the map understandable to the general public.
- NOTE: This should be done on any map created that will be publicly displayed.

Tutorials can be found at the following web address:

<http://www.sccyd4h.org/Mapping/index.htm>