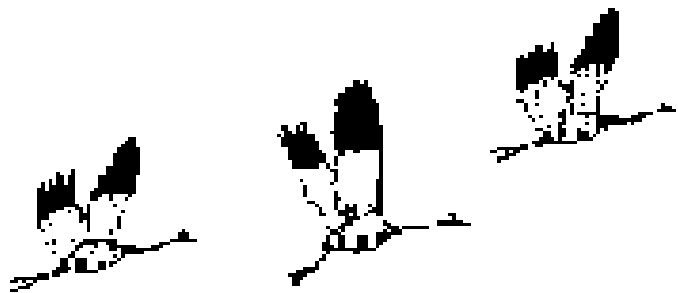


Northwest Territory Metis Nation



**NWT CIMP - ESRI ARC GIS
mapping software training**

APRIL 01, 2004

Abstract

It is recognized by the Metis Nation Northwest Territory, that a lack of mapping capability exists within the current employees. To address this, funding was sought from the CIMP program to obtain training from ESRI Canada. With funding received, three employees were selected. Training was obtained in Calgary and Edmonton, Alberta. This training will assist the NWTMN in addressing current and future issues. The skills obtained can be utilized in many of the programs that are in place today.

Objectives

This funding was sought to train/update mapping skills for three employees of the NWTMN. Of the three employees; one had previous experience with the software, and the other two employees had none or very limited skills. This funding was used to bring two of the employees to a level of expertise that would assist the day-to-day operational requirements. The third employee's training was of a basic nature; to obtain enough training to have some skills that may be utilized within their programs. In the end, the NWTMN would like to be in a position to have a set of usable mapping skills, with additional personnel having the same training, for back-up purposes.

Introduction

The Negotiations Secretariat, Mapping Coordinator, was using an older version of the mapping software. During 2003 an opportunity arose which allowed the upgrading of the software, at the same time additional licenses were purchased. This resulted in the need for upgrading of skills for the mapping coordinator, project manager (Metis Cultural Institute), and the Regional Contaminants Coordinator.

Activities in 2004

On March 8th, 2004 the three selected employees were enrolled for ARC GIS I, in Calgary Alberta, at the ESRI Canada training site. This course was an introduction to the software, and gave limited skills to the attendees. This portion of the training was two days in length.

On March 10th, ARC GIS II was offered in Edmonton, Alberta; again at the ESRI Canada training site. This course was attended by, the Mapping Coordinator, and the Regional Contaminants Coordinator. This portion of the training gave the attendees an extensive set of skills that may be used in the day-to-day operations of their respective departments.

Results

With the training that was obtained, the capacity of the NWTMN was raised considerably. These skills were not only necessary but timely in their delivery. Attached are a summary of the skills obtained through these courses.

Appendix A – Course outline ARCGIS I, and ARCGIS II

Introduction to ArcGIS I (for ArcView, ArcEditor, and ArcInfo 8)

This two-day course introduces students to ArcGIS and provides the foundation for becoming a successful ArcView, ArcEditor, or ArcInfo user. Participants learn how to use ArcMap, ArcCatalog, and ArcToolbox and explore how these applications work together to provide a complete GIS software solution. This course covers fundamental GIS concepts, as well as how to create, edit, and georeference spatial data. Attendees learn how to manipulate tabular data, query a GIS database, and present data clearly and efficiently using maps and charts.

This course also provides students with the fundamental ArcGIS knowledge and experience needed to enroll in Introduction to ArcGIS II (for ArcView, ArcEditor, and ArcInfo 8) as well as several other ESRI courses.

Many of the topics covered in this course are similar to those in Migrating from ArcView GIS 3.x to ArcView 8 and What's New in ArcInfo 8. Attendees who complete this course should not enroll in Migrating from ArcView GIS 3.x to ArcView 8 or What's New in ArcInfo 8.

**** Prerequisites ****

Introduction to ArcGIS I (for ArcView, ArcEditor, and ArcInfo 8) is for those with little or no mapping or GIS experience; however, registrants should know how to use windowing software. This course is for those who are new to ArcGIS and to geographic information systems in general.

Appendix A – continued

Introduction to ArcGIS II (for ArcView, ArcEditor and ArcInfo 8)

This three-day course follows Introduction to ArcGIS I (for ArcView, ArcEditor, and ArcInfo 8) and continues to present important concepts and functionality for successfully working with ArcGIS. With further exploration of ArcMap, ArcCatalog, and ArcToolbox, students focus on spatial analysis, data automation of spatial and attribute data, editing, and advanced options for cartographic display and reports.

Online exercises teach ArcGIS procedures in the context of solving real-world problems. Examples and exercises use data from a variety of application areas. A portion of the class is reserved for carrying out an analysis project, applying many of the new skills and techniques learned in this course. Students conduct queries, perform spatial analysis, and present their results in a hard-copy map and report.

This course also provides students with the fundamental ArcGIS knowledge and experience needed to enroll in Creating and Managing Geodatabases (for ArcEditor and ArcInfo).

**** Prerequisites ****

Introduction to ArcGIS II (for ArcView, ArcEditor, and ArcInfo 8) builds on the skills developed in the prerequisite course Introduction to ArcGIS I (for ArcView, ArcEditor, and ArcInfo 8) or Migrating from ArcView GIS 3.x to ArcView 8. It is designed for those who are new to ArcGIS and geographic information systems in general.