



## Tips for Teachers

### General

- Teachers should do the GIS lessons themselves before trying them out in class with their students. This will help them to anticipate the challenges their students will encounter.
- Before handing students paper copies of the computer instructions, be sure to print them double-sided. Also, if you would like your students to print out their maps, make sure they have properly reviewed their work and only print one final copy. If all Manitoba teachers can commit to these small acts, we will certainly save a lot of paper!
- Parks Canada staff has approximated each GIS lesson's length and level of difficulty. If you find these approximations are inaccurate, please let us know.
- The colour orthophoto **RMNP\_0625.ecw** is a very large file, so it exists on this DVD in one place, the folder labelled **Colour Ortho RMNP 0625 goes here**. There are shortcuts to the files in this folder in the **GIS Data** folders of every lesson
- GIS Projects can be very large, and involve "pulling together" several files from several different places on a given network. **The files will still exist in their original locations – they are not "copied" into new, standalone works.** So, in the case of this DVD, the files will all be drawn from your DVD drive. We strongly recommend that the data files are all saved in one clearly labelled folder on your network, and that students' individual works are saved in locations that permit their projects to draw data from that original folder.
- All the lessons include links to their respective data folders, and files can be viewed in this way. However, when adding data layers within ArcView or ArcGIS, the software's "factory" browser will look for the files, and you can use the "Connect to Folder" button to find them on your disk.
  - GIS files can sometimes appear in Windows Explorer as a series of files, sometimes 5-6, but when using the browser within the Arc software, it will recognize these files as belonging to one layer and they will appear as one file. Opening the data files without first opening your Arc software may cause an error message!
- Please email all feedback, questions or concerns regarding these lessons to [education@rmnp.pc.gc.ca](mailto:education@rmnp.pc.gc.ca)



### In ArcView 3x...

- Difficulties may be encountered with the regular **Zoom in/out** tools . If it so happens that they don't function properly, use the other **Zoom in/out** tools  and the **Pan** tool  to orient yourself.
- If you bring up a new data layer (or shapefile) and it suddenly blocks out all the data you'd previously inserted, on the left side of your screen, simply click and drag the new layer beneath the others.
- In **Layout View** (Window>Layout1), if your project looks depixelated or unresolved, simply go to your original **View1** (Window>View 1) and return to **Layout View**. The image should stabilise and if it doesn't, no need to worry as it will probably still print out clearly.
- For a useful list of all the tools available in ArcView 3x, consult this ESRI Canada document: [http://www.esricanada.com/k12\\_docs/surveying3x.pdf](http://www.esricanada.com/k12_docs/surveying3x.pdf)

### In ArcView 9x...

- If you have trouble finding a specific button, tool or icon, simply select **View>Toolbars**. It will most likely be located there.

- If you add a new data layer (or shapefile) and it suddenly blocks out all the previously inserted data on the left side of your screen, simply click and drag the new layer beneath the others.

Help can also be obtained by visiting the ESRI Canada website at:

<http://www.esricanada.com/english/755.asp>