



June, 2008

***Attention: Social Studies Teachers, Technology Consultants, Teacher Consultants***

ESRI Canada is pleased to announce that Manitoba Education Citizenship and Youth (MECY), has recently signed an agreement to continue and upgrade the license for ESRI's geographic information system (GIS) software that has been in place for all publicly funded Manitoba schools since 2003. If you are not familiar with GIS, please see **Appendix A** for a definition and more information.

The upgraded license includes the following software products:

- ArcView 9.2 (French supplement available)
- ArcView 9.3 (Note: This is a Windows Vista compatible version that has not yet been released).

The following software products were included in the original license, and continue to be available to schools:

- ArcView 3.3 (Windows) with Spatial Analyst 2.0a
- ArcView 3.0a (Macintosh)
- ArcView 8.3 (Windows)
- ArcCanada 3.0 Data Sets (for use with all versions of ArcView)

ArcView 9.2 is the most recent version of ESRI's GIS software; it maintains the base functionality of ArcView 3.3 and 8.3 but adds many new features. For complete details about ArcView 9.2, please see **Appendix B**.

**Frequently Asked Questions and Responses:**

[What version of ArcView should I install in my school\(s\)?](#)

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- **What version of ArcView should I install in my school(s)?**

If the computers at your school are able to support ArcView 9.2, we recommend that it is installed along with ArcView 3.3 (not in place of ArcView 3.3). Both ArcView 9.2 and ArcView 3.3 can be installed on the same computer<sup>1</sup>. It is important to install both versions to allow transition time for teachers and students, as there are significant changes in the interface between the two versions of the software and everyone will require time to become comfortable with the new environment.

ArcView 9.2 has more robust hardware requirements, as compared to ArcView 3.3 and 8.3, so all of your school labs may not currently have the hardware to support this new release. See **Appendix C** for ArcView 9.2 hardware requirements.

Both 9.2 and 3.3 versions of the software can be installed on as many computers in the school as necessary to meet curriculum requirements.

Please note that the registration numbers required for the installation of ArcView 9.2 and extensions will be included on the face of the DVD. If you are using ghosting techniques to image machines in a lab, you will want to register the software before creating your image.

We recommend that all ArcView 9.2 customers download and install the latest Service Pack, at their earliest convenience, to ensure the highest quality experience when working with ArcView 9.2. To download the latest service pack, please visit the ESRI Support site, <http://support.esri.com> > Downloads > Patches and Service Packs > ArcView.

Note: If you are using the French version of ArcView, you should only install the Service Pack that corresponds with the French Supplement. You can [contact ESRI Canada](#) to find out if there is a French Supplement available for the current Service Pack.

- **Can I use the same data (ArcCanada) with version 9.2 as I did with version 3.3?**

All versions of ArcView are able to use/read the data available on the ArcCanada 3.0 dataset, which is also licensed by MECY. The ArcCanada dataset will continue to be the primary data that teachers and students will access using the licensed GIS software.

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<sup>1</sup> Note, if you have ArcView 8.x, 9.0, or 9.1 installed at your school, this version must be completely uninstalled before installing ArcView 9.2. Only ArcView 3.x and 9.2 can be installed on the same machine.

If teachers have created their own shapefiles (data) or have shapefiles from other sources, they should also continue to be able to use this data in ArcView 9.2.

ArcView 3.3 project files (.apr files), however, cannot be opened directly in ArcView 9.2. There is a tool available to import ArcView 3.3 projects and instructions are available in the ArcView 9.2 Help menu.

- **Can I use the software on my home computer?**

Yes. Teachers may install and use a copy of the software, data, and documentation at their primary residence or on a laptop computer for the specific purpose of learning, becoming proficient with, and developing curricula or research expertise around the software and data.

Use of the software and data for commercial purposes, profit or private gain is not permitted.

- **Is technical support available?**

Yes. ESRI Canada Technical Support is available to help schools with both software and teaching support questions. A dedicated support analyst is available to help teachers with questions specifically related to ESRI Canada lessons and data.

ESRI Canada technical support services are available 8am-7pm ET, Monday-Friday, by telephone (877-441-0337), fax (416-441-6838), email ([support@esricanada.com](mailto:support@esricanada.com)) or the World Wide Web (<http://www.esricanada.com/support>). ESRI Canada holidays are excluded.

- **Is online training available for ArcView 9.2?**

The original license for ArcView 3.3 and 8.3 included access to an online training course for teachers (<http://k12.esricanada.com/onlinetraining>).

The new license includes an updated version of this course, for ArcView 9.2, available at <http://k12.esricanada.com/onlinetraining/class/arcview92>. This course is designed to help teachers learn about GIS using ArcView 9.2 and discover the many ways GIS can be integrated into the classroom.

To access both online courses, the following login information is required:

Username: manitobatraining

Password: educator

- **Are there lessons available for ArcView 9.2?**

Yes. All of the lessons and tutorials on the ESRI Canada website have been migrated so that they can be used with ArcView 9.2. Check back often for updates: <http://k12.esricanada.com>.

Users familiar with ArcView 3.3 and wishing to migrate to the 9.2 version may find the lesson *Migrating from ArcView 3.x to ArcView 9.x* particularly useful. Visit <http://www.esricanada.com/english/5705.asp> for information.

- **What other resources are available to help teachers learn about ArcView 9.2?**

The K-12 Team at ESRI Canada offers free regularly scheduled Web Seminars to provide teachers with presentations and demonstrations focused on how GIS can be used to enhance classroom learning. The information has been designed for teachers who are new to GIS and those looking for new information.

For a full list of topics, dates, and registration information please visit ESRI Canada's Web Seminar page: [http://www.esricanada.com/events/web\\_seminars](http://www.esricanada.com/events/web_seminars). Upcoming topics include:

- K-12 Education: Using GIS to Create Your Own Data (Thursday, June 12, 4:00-5:00 pm Eastern Time)
- K-12 Education: Introduction to GIS (Tuesday, August 26, 12:00-1:00 pm Eastern Time)
- K-12 Education: Migrating from ArcView 3.x to 9.x (Thursday, September 23, 4:00-5:00 pm Eastern Time)

In addition, teachers can subscribe to [Education Spotlight](#), our e-newsletter, and have the latest education news from ESRI Canada delivered to their inbox six times per year. This newsletter is specifically designed for ESRI users, educators, and administrators in the K-12 and college/university markets. Learn about what's new in our education program - new resources, cool links, free downloads and seminars, news bulletins, and special events - subscribe today at [www.esricanada.com/enewsletters](http://www.esricanada.com/enewsletters)

- **How do I contact ESRI Canada?**

If you have any questions, feel free to contact the K-12 Team at ESRI Canada via email ([k12@esricanada.com](mailto:k12@esricanada.com)) or by phone (416-441-6035 – ask to speak to someone in the K-12 department). You can also visit our website at <http://k12.esricanada.com>.

- **Other license terms and conditions**

- Uses not permitted:
  - The software, data, and documentation may not be used for any nonacademic, administrative, or commercial purpose (that is, the software cannot be used by the school board for administrative purposes such as planning and transportation).
  - Other than for a teacher's home use, the school shall not permit any other person to remove digital copies of the software, data, and documentation from the school.
- Schools agree to use their best efforts to protect all software, data, and documentation from loss and theft. **All losses should be reported in writing to the Social Studies Consultant at Manitoba Education, Citizenship and Youth within five (5) working days after discovery of any missing components.**

- **Can ArcView 9.2 be run in a Macintosh environment?**

As was the case with ArcView 8.3, the 9.2 version is designed to run on the Windows operating system. See **Appendix D** for information about additional software that enables Macintosh systems to run ArcView 9.2.

## Appendix A

### What is GIS?

GIS software is used increasingly in business and industry – in real estate, banking, marketing, government, and agriculture, to name just a few. GIS is mapping software that allows users to create maps and interpret data. The software allows students to see, explore, and analyze data by location, revealing hidden patterns, relationships, and trends. Students create dynamic maps, tables, and charts, and determine relationships between where things are and what things are like. This promotes critical thinking as students engage with real-world problems and propose real-world solutions. Although there are many interdisciplinary connections for GIS, geography and science teachers will find the software most useful.

The Manitoba Social Studies Foundation for Implementation curriculum documents include numerous references to the use of GIS as a tool to enhance student understanding. The agreement between the MECY and ESRI Canada provides schools with both the software and accompanying resources to facilitate learning with and about GIS.

For more information about GIS visit <http://www.gis.com> or the ESRI Canada K-12 website <http://k12.esricanada.com>.

## **Appendix B**

### **ArcView 9.2**

ArcView 9.2 is a complete desktop GIS package, with tools for mapping, analysis, data editing, and map publishing. ArcView can classify and symbolize data, integrate a wide array of imagery, and use data distributed over the Internet. In addition, ArcView provides tools for creating/editing data, creating graphs/charts, and performing statistical and spatial analysis. ArcView makes it easy to integrate data from many sources and work with the data geographically.

Presenting results and ideas is easy with ArcView. Students can make great-looking publication-quality maps and create interactive displays by linking charts, tables, drawings, photographs, and other files. Teachers will find that communicating geographically is a powerful way to inform and motivate students.

## Appendix C

### ArcView 9.2 hardware requirements

Minimum hardware requirements for ArcView 9.2 and extensions

Processor	PC-Intel Pentium or Xeon
Operating System	Windows 2000 or Windows XP (Home Edition and Professional)
Memory	512 MB RAM (1GB recommended)
CPU Speed	1 GHz

Complete hardware requirements are available at <http://support.esri.com>

## Appendix D

### Running ArcView in a Mac Environment

- **Windows-based tools under Virtual PC**

<http://www.microsoft.com/mac/products/virtualpc/virtualpc.aspx>

Microsoft sells a product for non-Intel-based Macintosh computers called Virtual PC. This allows a Mac user to load a full copy of Windows OS (such as Win2000 or WinXP) and then install and run PC-based software. Both AEJEE and ArcView 9 and extensions can operate under Virtual PC. There are some tradeoffs here. There is a significant performance hit as the Mac runs an emulator which runs the software. Also, the current version 7 creates what amounts to a Pentium II computer, rather below current true PC machines. Finally, the user must have a properly licensed OS (such as WinXP) and software, and be facile with running windows under a Mac environment. It can be done, and processes can be tested and demonstrated effectively in a classroom setting if the data sets engaged are of modest size. The more analysis that is called for, the slower the operation is.

- **Windows-based tools under BootCamp**

<http://www.apple.com/macosx/bootcamp>

Apple has released a product called BootCamp (currently under Beta, but reported to be included with MacOS 10.5 and higher) which allows the Intel-based Macs to load a full version of WinXP, and run Windows applications at “full speed”. Upon boot-up, the user chooses to boot into MacOS or in Windows. The testing done by ESRI staff and others seems to confirm that such a setup is indeed able to run Windows and applications at “full speed”, and that ArcGIS applications are able to run even heavy-duty analytical operations very swiftly. The key here is that the user must have a properly licensed copy of WinXP and must be facile with running Windows.

- **Windows-based tools under Parallels**

<http://www.parallels.com/en/products/desktop>

Parallels has released a product called Parallels Desktop for Mac which allows the Intel-based Macs to load a full version of Windows (many versions) and run applications at “high speed”. The user can move back and forth between Windows and MacOS applications. Testing done by ESRI staff and others seem to confirm that such a setup works quite well, and current versions of ArcGIS applications run swiftly even for analytical operations, though perhaps not quite as fast as on a native PC or under BootCamp (since memory is split between the two operating systems). Here again, the user must have a properly installed copy of Windows and must be facile with running Windows-based applications.