Manitoba Land Initiative (MLI)

User Help Documentation

Release 2.2
September 20, 2017

MLI USER HELP

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Product and company names mentioned herein may be the trademarks of their respective owners.

MLI User Help

I. Contact Us

If you have any questions or comments about the Manitoba Land Initiative site itself (not the map layers we have – the contact information for those is given in the metadata document associated with the map), please get in touch with us by e-mail at mlinfo@gov.mb.ca.

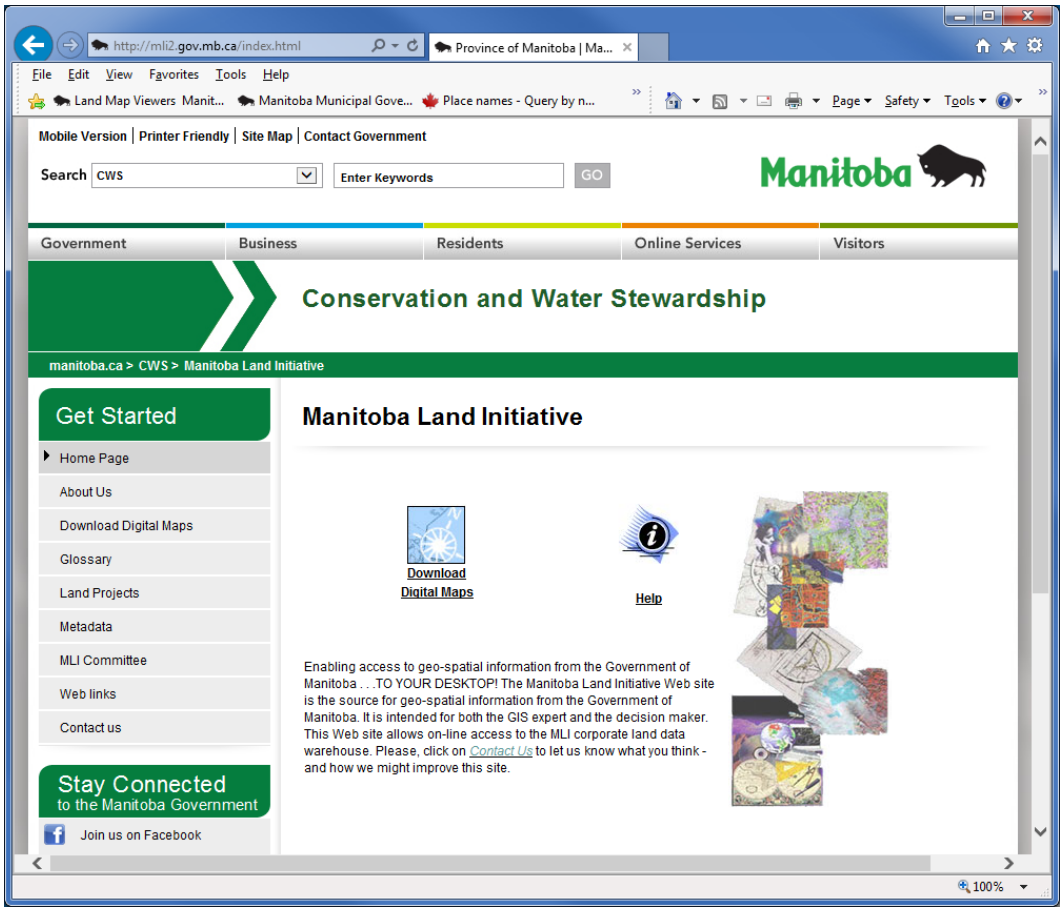
II. Description of MLI Site – Overview

1. About MLI (Manitoba Land Initiative)

The Manitoba Land Initiative (MLI) is a cross-departmental partnership project and corporate approach for the management and utilization of land related digital information. The process includes bringing together information technology and Geographic Information Systems expertise for the collection, storage and distribution of important core geospatial data products.

2. Getting Around the Site

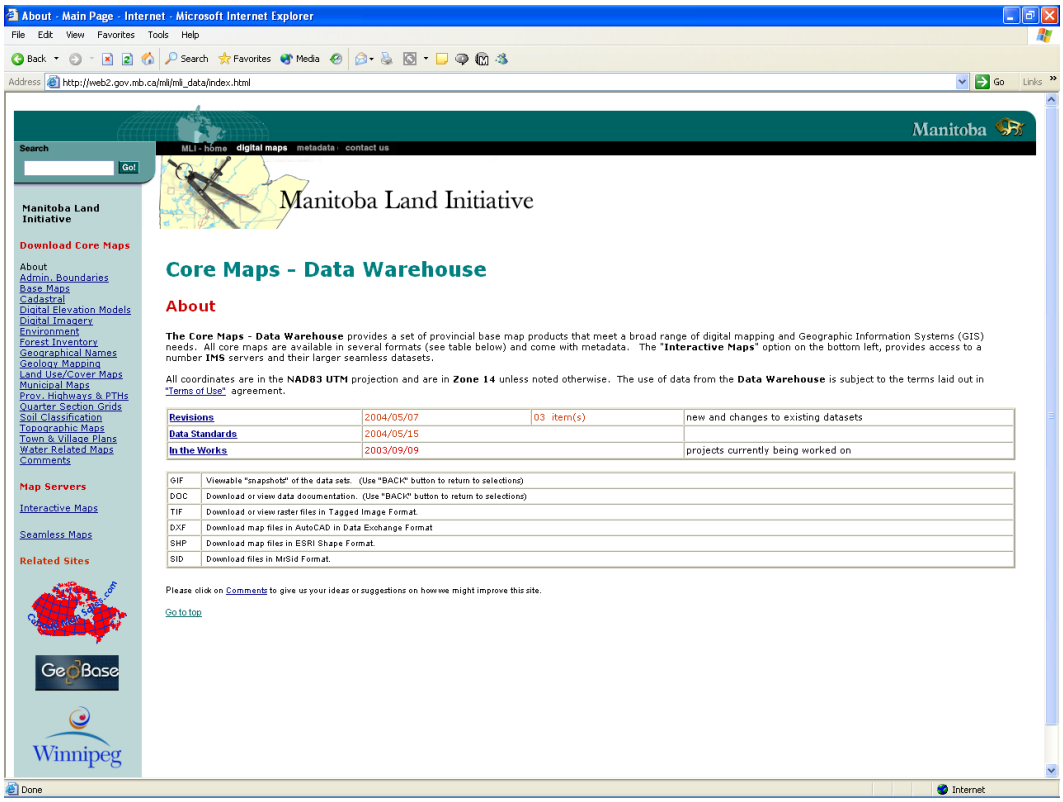
There are two icons on the main body of the Manitoba Land Initiative (MLI) start page. These are: Download Digital Maps and Help. The list in the left side bar also provides links to other areas of interest at MLI.



MLI User Help

1.) Download Digital Maps

This is where all of the warehoused maps are featured. When this icon is selected and you have select I have read and I AGREE to the Terms and Conditions of Use, the display will present a screen similar to the one shown below.



On the left side of the screen is a category listing of core map groups presently available. When selecting one of these categories, your screen will present a list of the various maps available in that category along with various formats available. (see Section III, Part 1 for further details)

2.) Help

This link provides access to this User Help document and general Help Information.

3.) About Us

This section offers a description of the how and why, and some history, of the Manitoba Land Initiative.

4.) Glossary

The glossary provides links to other glossaries on the Web, as well as the MLI glossary of terms commonly used within GIS and geospatial related discussions.

5.) Metadata

The necessity and importance of metadata is a dominant value at the MLI warehouse. This area of the MLI site provides a description of what metadata is and why it is important.

Change is the essence of geospatial data in a networked environment. The word metadata shares the same Greek root as the word metamorphosis. Meta means change and metadata, or "data about data," describe the origins of and track the changes to geospatial data.

For a description of the metadata standards used by the Manitoba Land Initiative (MLI), please refer to Section IV. - Metadata Standards.

6.) Land Projects

This area of the MLI site supplies links to, and information about, some land-related projects happening locally.

7.) MLI Committee

Here is where to find information on who makes up the MLI Committee, some background information about it and related documents, reports and presentations.

8.) Web links

The Web Links area of the MLI site provides hundreds of links to GIS and geospatial related sites on the Internet from around the world.

III. Description of MLI Map Warehouse and How to Use It

1. Map Categories

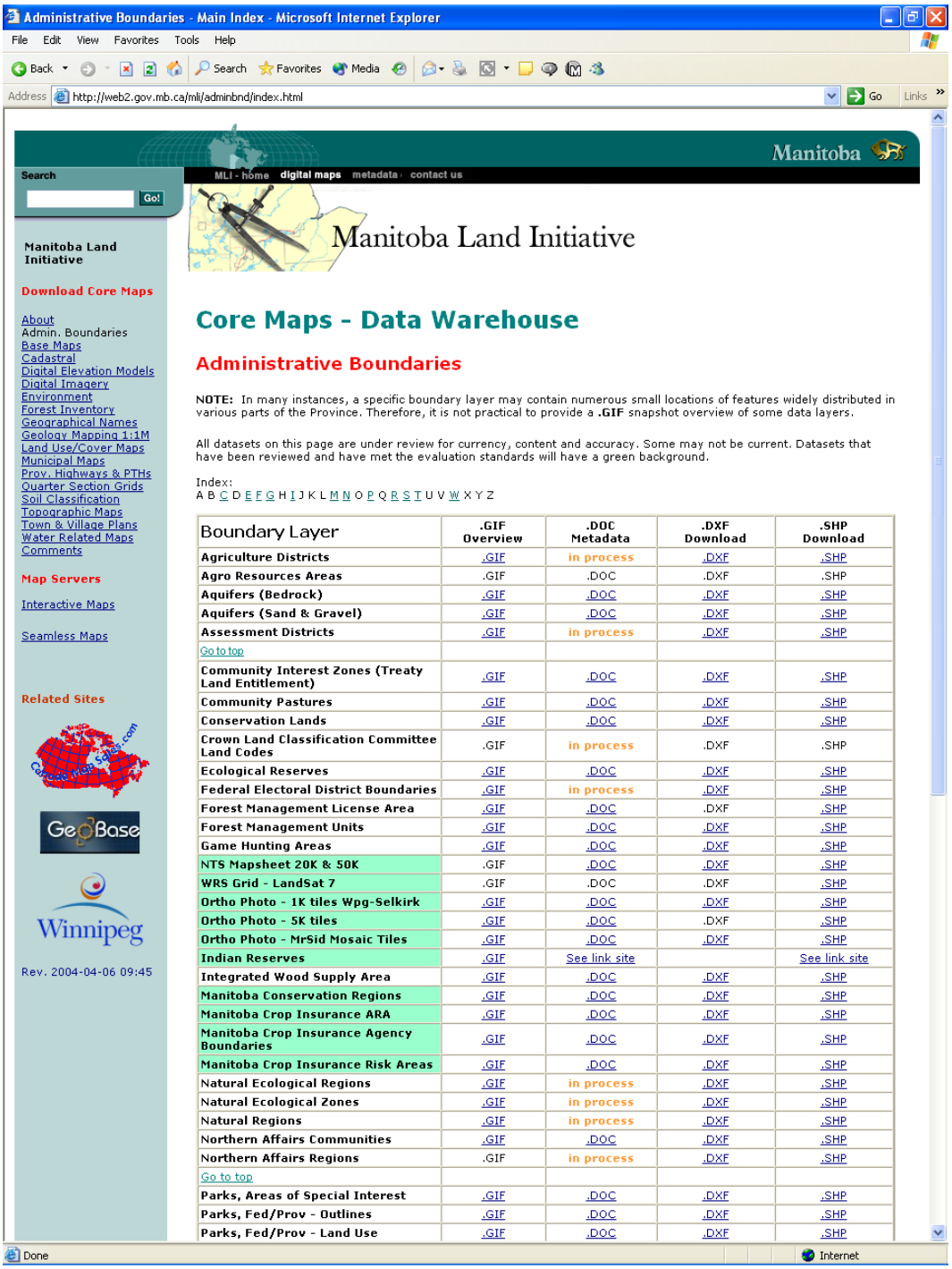
The categories of maps available in the MLI warehouse (core maps) are:

Admin. Boundaries
Base Maps
Cadastral
Digital Elevation Models
Digital Imagery
Environment
Forest Inventory
Geographical Names
Geology Mapping
Land Use/Cover Maps
Municipal Maps
Prov. Highways & PTHs
Quarter Section Grids
Soil Classification
Topographic Maps
Town & Village Plans
Water Related Maps

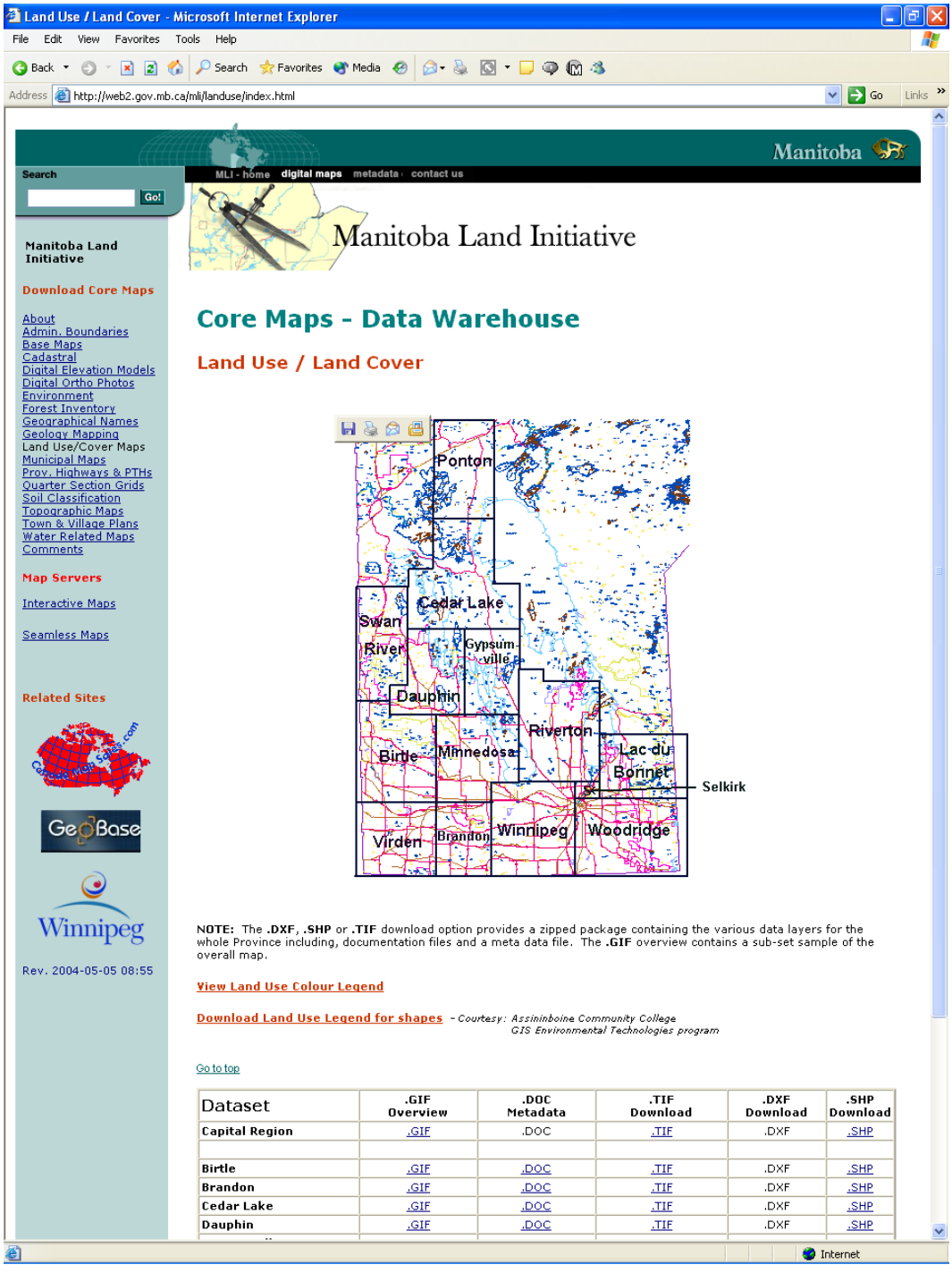
Within each category, there is a list of maps available presented in a table, or a sub category of mapped areas will be shown to narrow down the region of interest.

Following are examples of some types of screen displays which appear after a category is selected.

MLI User Help



Cadastral Types Index - Main Page - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://web2.gov.mb.ca/mli/cadastral/index.html
Go Links
Manitoba
Search
Go!
MLI - home digital maps metadata contact us
Manitoba Land Initiative
Manitoba Land Initiative
Download Core Maps
About
Admin. Boundaries
Base Maps
Cadastral
Digital Elevation Models
Digital Imagery
Environment
Forest Inventory
Geographical Names
Geology Mapping
Land Use/Cover Maps
Municipal Maps
Prov. Highways & PTHs
Quarter Section Grids
Soil Classification
Topographic Maps
Town & Village Plans
Water Related Maps
Comments
Map Servers
Interactive Maps
Seamless Maps
Related Sites
GeoBase
Winnipeg
Rev. 2004-05-05 09:41
Core Maps - Data Warehouse
Cadastral Mapping
Click on general area of interest for further map selection
10
9
8
7
4
5
6
3
2
1
Click here for tabular selection
download Provincial Cadastral Index in shape format
Go to top
Government Links: home | welcome | on-line services | news | help | departments | contact | privacy
http://web2.gov.mb.ca/mli/cadastral/index_cadastral_master_zone10_imap_shp.html
Internet


Land Use / Land Cover - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites Media
Address http://web2.gov.mb.ca/mli/landuse/index.html
Go Links
Manitoba
Search
Go!
MLI - home digital maps metadata contact us
Manitoba Land Initiative
Manitoba Land Initiative
Download Core Maps
About
Admin. Boundaries
Base Maps
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Digital Ortho Photos
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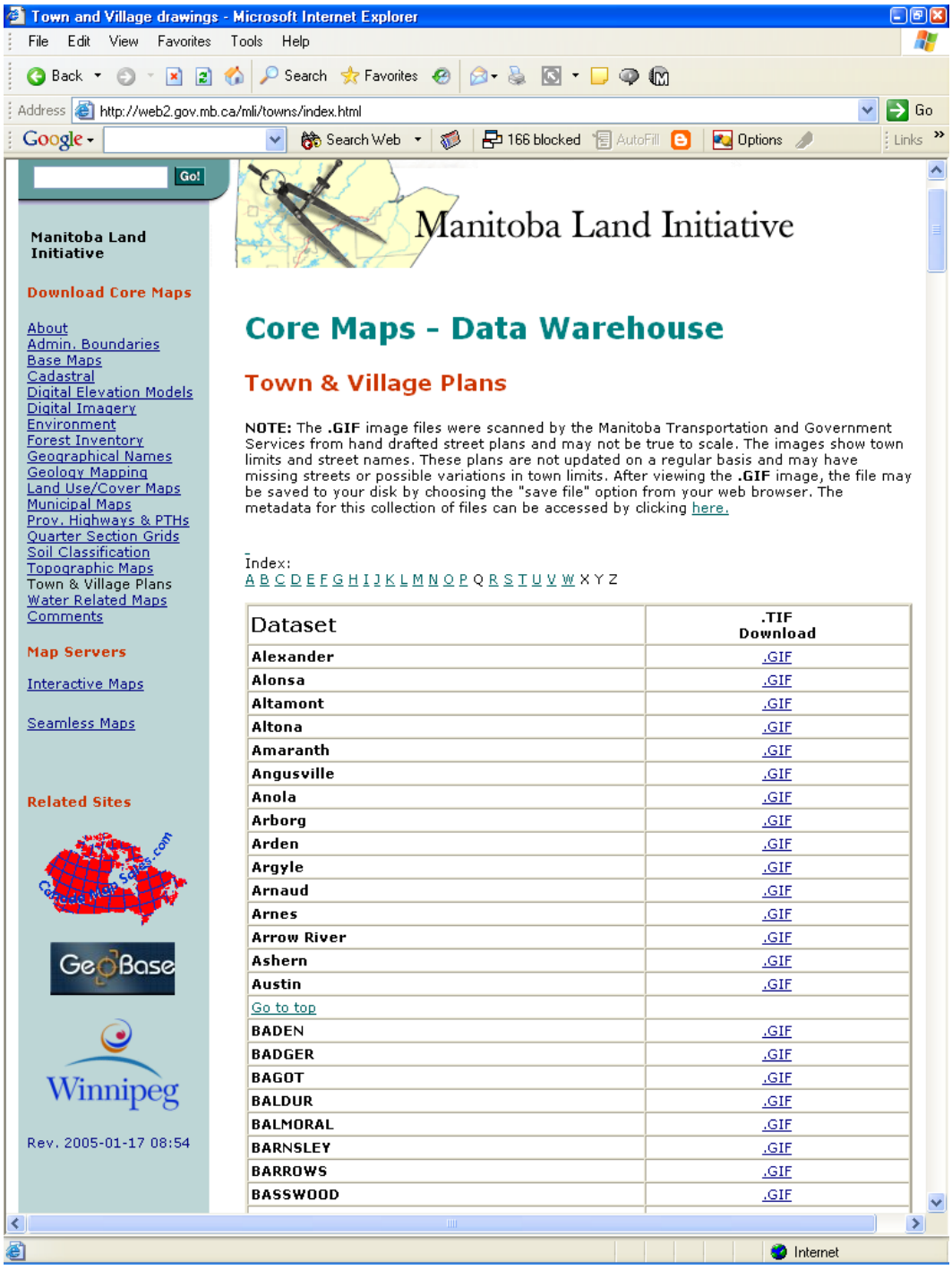
Quarter Section Grids
Soil Classification
Topographic Maps
Town & Village Plans
Water Related Maps
Comments
Map Servers
Interactive Maps
Seamless Maps
Related Sites
GeoBase
Winnipeg
Rev. 2004-05-05 08:55
Core Maps - Data Warehouse
Land Use / Land Cover
Ponton
Cedar Lake
Swan River
Gypsumville
Dauphin
Riverton
Birtle
Minnedosa
Lac du Bonnet
Selkirk
Virden
Brandon
Winnipeg
Woodridge
NOTE: The .DXF, .SHP or .TIF download option provides a zipped package containing the various data layers for the whole Province including, documentation files and a meta data file. The .GIF overview contains a sub-set sample of the overall map.
View Land Use Colour Legend
Download Land Use Legend for shapes - Courtesy: Assiniboine Community College GIS Environmental Technologies program
Go to top
Dataset
.GIF Overview
.DOC Metadata
.TIF Download
.DXF Download
.SHP Download
Capital Region .GIF .DOC .TIF .DXF .SHP
Birtle .GIF .DOC .TIF .DXF .SHP
Brandon .GIF .DOC .TIF .DXF .SHP
Cedar Lake .GIF .DOC .TIF .DXF .SHP
Dauphin .GIF .DOC .TIF .DXF .SHP
Internet


Town and Village drawings - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address http://web2.gov.mb.ca/mli/towns/index.html
Go
Google Search Web 166 blocked AutoFill Options Links
Go!
Manitoba Land Initiative
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Download Core Maps
About
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Forest Inventory
Geographical Names
Geology Mapping
Land Use/Cover Maps
Municipal Maps
Prov. Highways & PTHs
Quarter Section Grids
Soil Classification
Topographic Maps
Town & Village Plans
Water Related Maps
Comments
Map Servers
Interactive Maps
Seamless Maps
Related Sites
GeoBase
Winnipeg
Rev. 2005-01-17 08:54
Core Maps - Data Warehouse
Town & Village Plans
NOTE: The .GIF image files were scanned by the Manitoba Transportation and Government Services from hand drafted street plans and may not be true to scale. The images show town limits and street names. These plans are not updated on a regular basis and may have missing streets or possible variations in town limits. After viewing the .GIF image, the file may be saved to your disk by choosing the "save file" option from your web browser. The metadata for this collection of files can be accessed by clicking here.
Index:
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Dataset
.TIF Download
Alexander .GIF
Alonsa .GIF
Altamont .GIF
Altona .GIF
Amaranth .GIF
Angusville .GIF
Anola .GIF
Arborg .GIF
Arden .GIF
Argyle .GIF
Arnaud .GIF
Arnes .GIF
Arrow River .GIF
Ashern .GIF
Austin .GIF
Go to top
BADEN .GIF
BADGER .GIF
BAGOT .GIF
BALDUR .GIF
BALMORAL .GIF
BARNSLEY .GIF
BARROWS .GIF
BASSWOOD .GIF
Internet

2. File Types Available

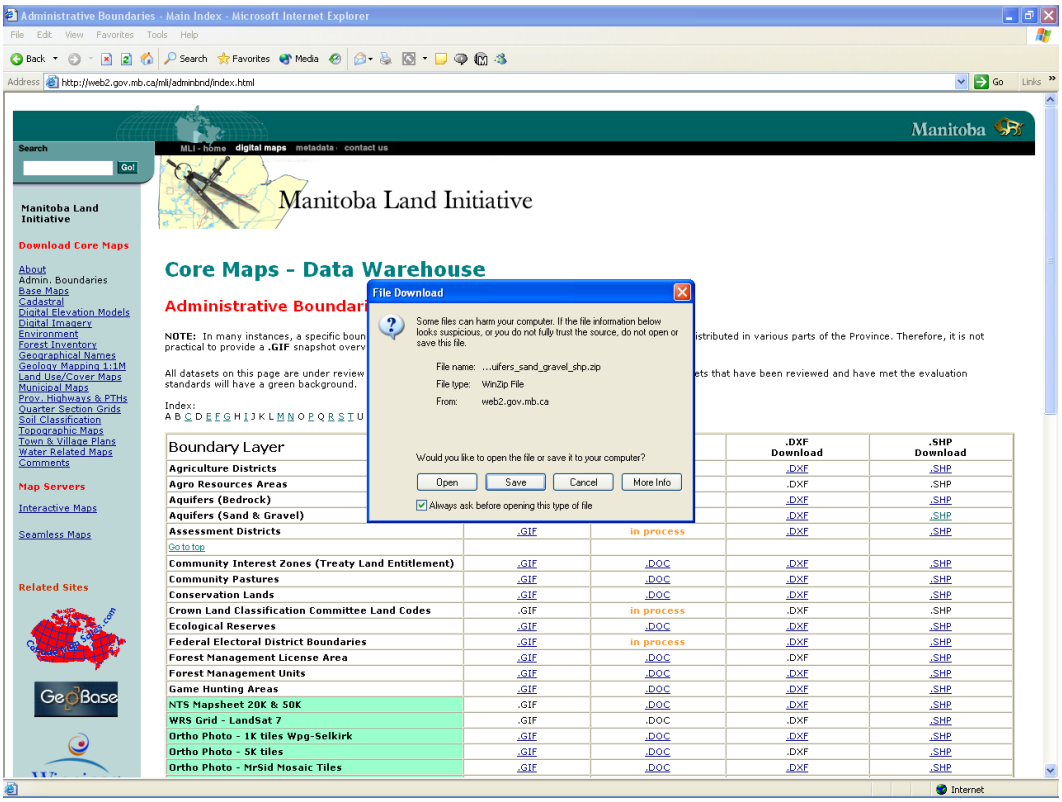
For each category of maps, there are different files types available. Most files are available in the .SHP format used by ESRI products. Each file also has a metadata file associated with it and is a .DOC (Microsoft Word) format. In most categories, a .DXF file type is also available, as a file format used by AutoCAD programs. As well as these file types, a .GIF overview is usually available, to provide an abbreviated view of the map on screen before downloading the file.

Exceptions to these file types available are those files in the Digital Imagery category. These are ortho photographs available only as .TIF files. The files in Municipal Maps and Town & Village Plans categories are scanned drawings and are in a .GIF format. Digital Elevation Models are stored in a simple text ASCII file or Arc/Info grid format.

All files for download, except .TIF orthos, are stored in a WinZip compressed format.

3. How to Download

To download a map layer or file, select (click) the map category you're interested in, find the map you want from the list or index provided on the screen, and click on the file type you want - .SHP, .DXF, .SID or DEM – these are underlined and show in a blue font. A download window will then open, similar to the one shown below, asking if the file is to be opened or saved. Click Save. Then select the folder the file is to be stored in, click OK, and the file will be downloaded to that folder.

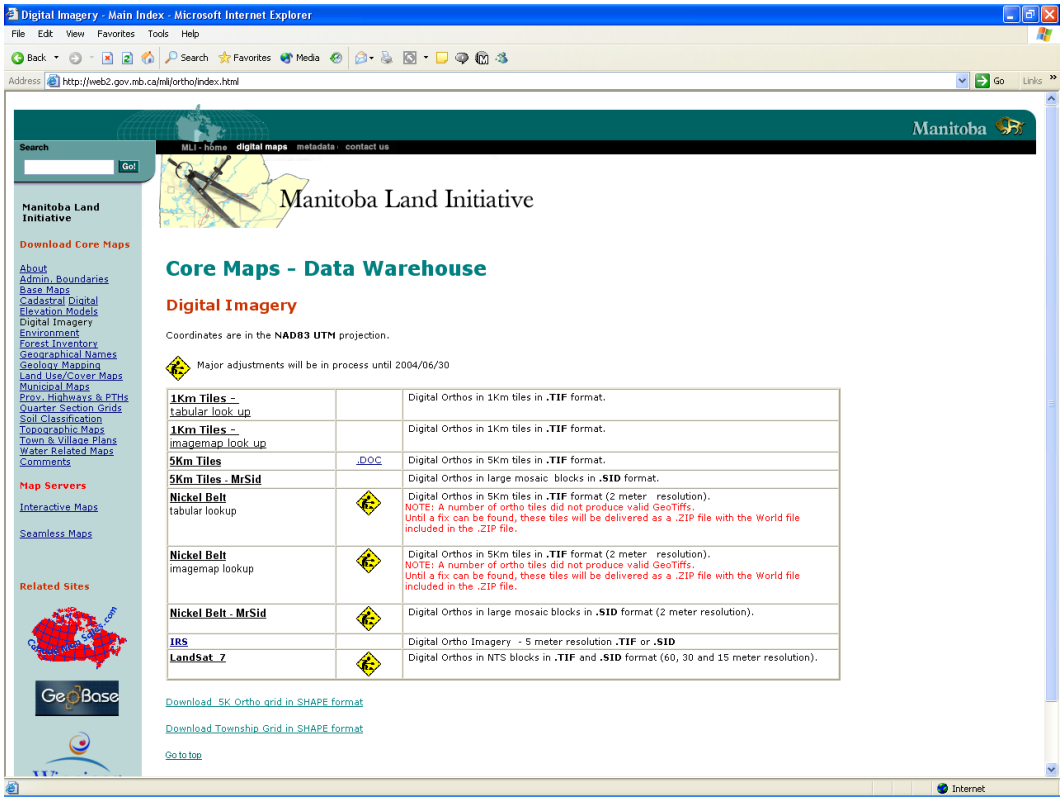


To download the metadata file, click on the .DOC (underlined, blue) associated with the map file in the table. The file will then open in your browser and you can use the browser's File…..Save As…… command to download it. Or you can simply right click on the .DOC (underlined, blue) and select 'Save Target As…' from the drop down menu to save it as a .txt file.

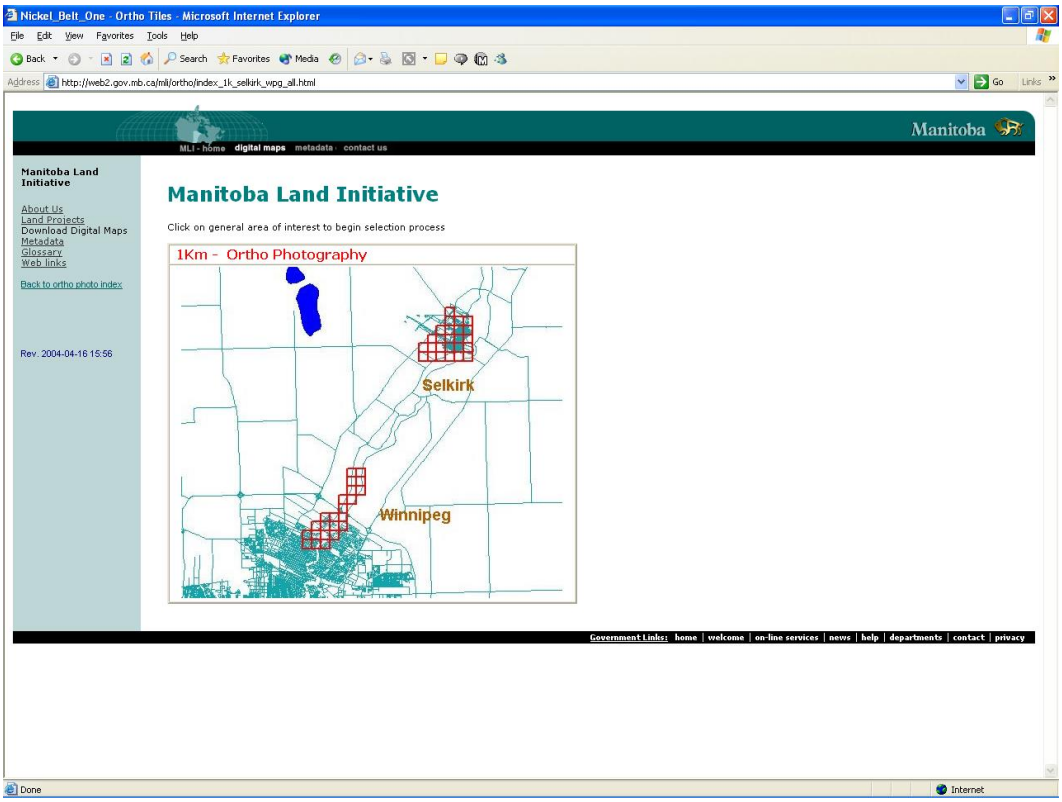
4. How to Download Ortho Photos From the Digital Imagery Category

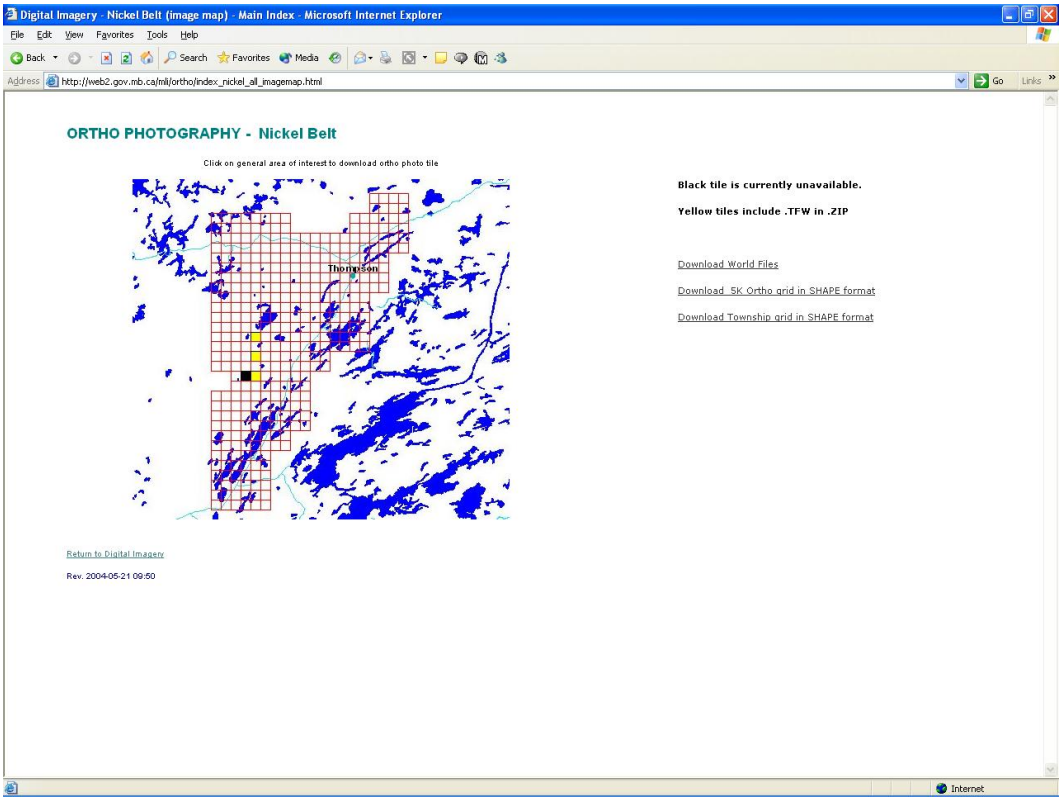
Digital ortho photos are raster .TIF files and are very large and may take time to download. The Digital Imagery category supplies some of the orthos in MrSid format – the ortho photos compressed and stitched together into mosaics or blocks – to speed up downloads. As well, any of the ortho photos (and other maps from other categories) can be ordered from MLI on a CD (see V. Requesting a CD of MLI Maps).

If you require the .TIF file to be downloaded, select the image map for the files of interest from the Digital Imagery page – see sample below:

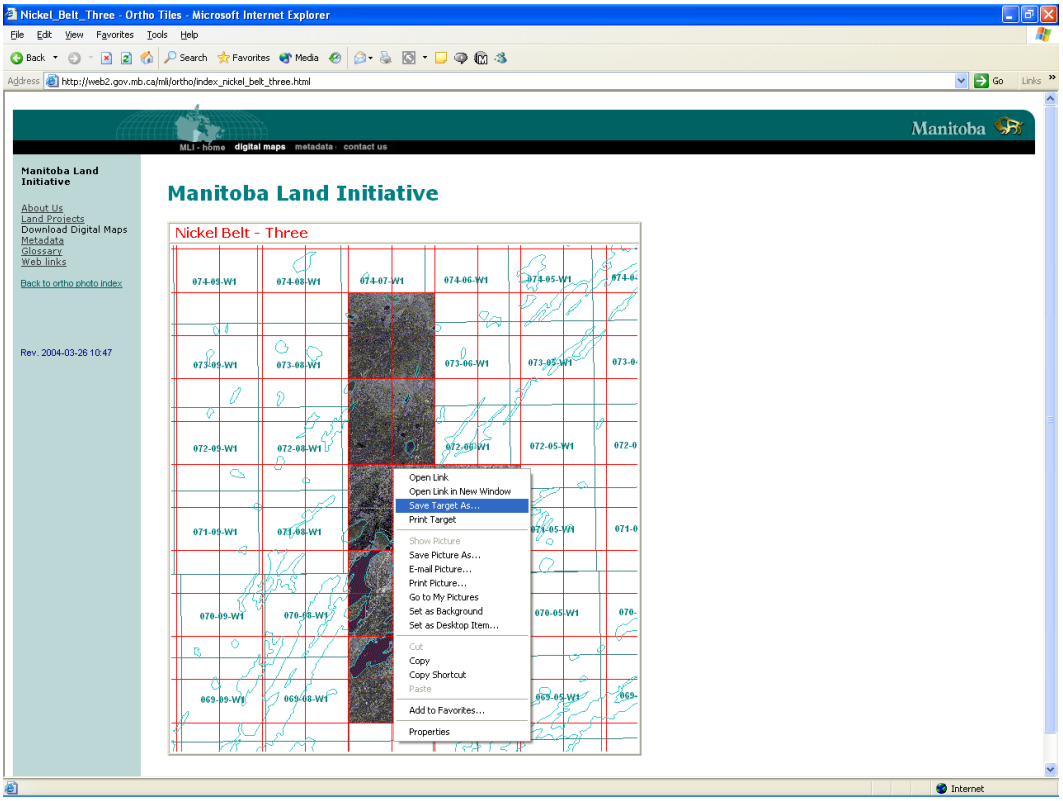


The Image map will then be displayed – similar to the following two samples:





From the image map shown, select the area of interest, then right click on the ortho tile you want and select ‘Save Target As…….’ from the drop down menu, as shown in the following examples (if you left click, your browser will display the file on the screen (very slow) and will not download it).



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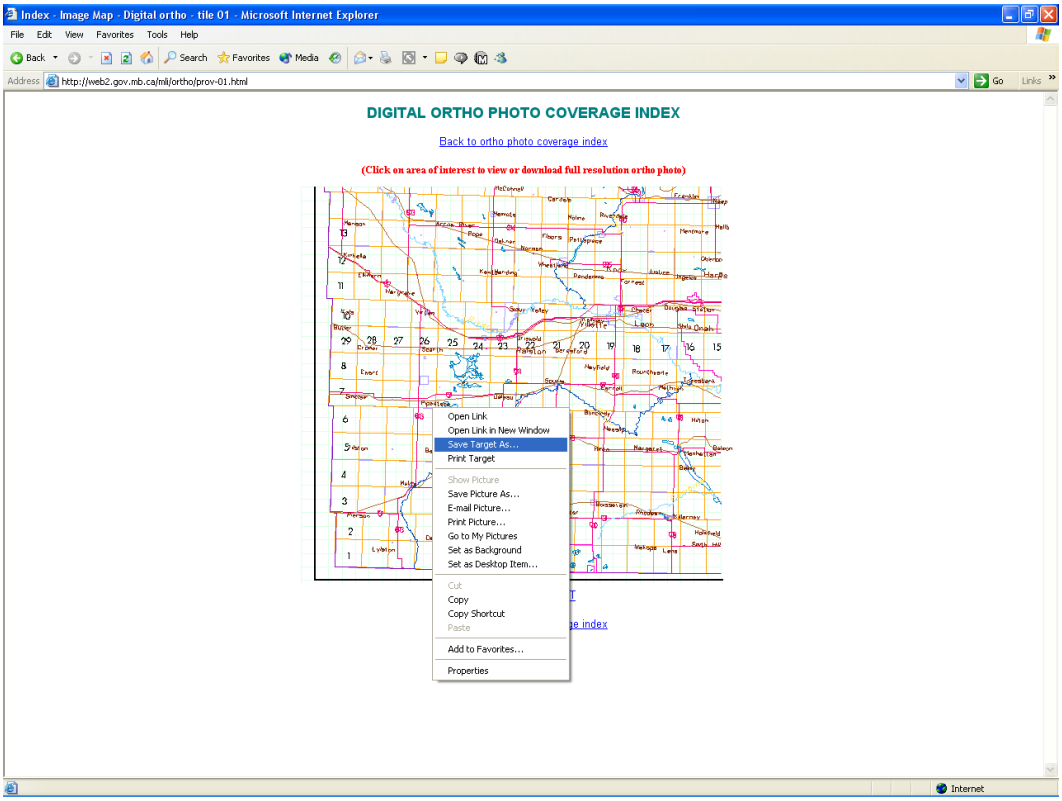

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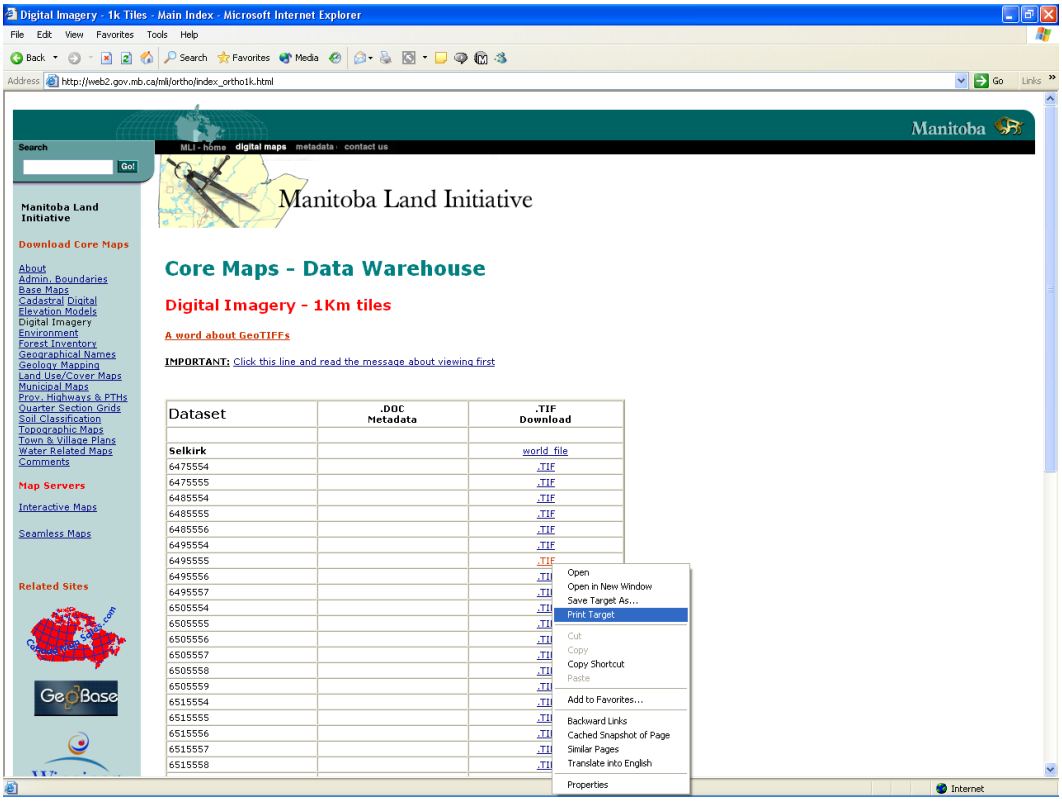
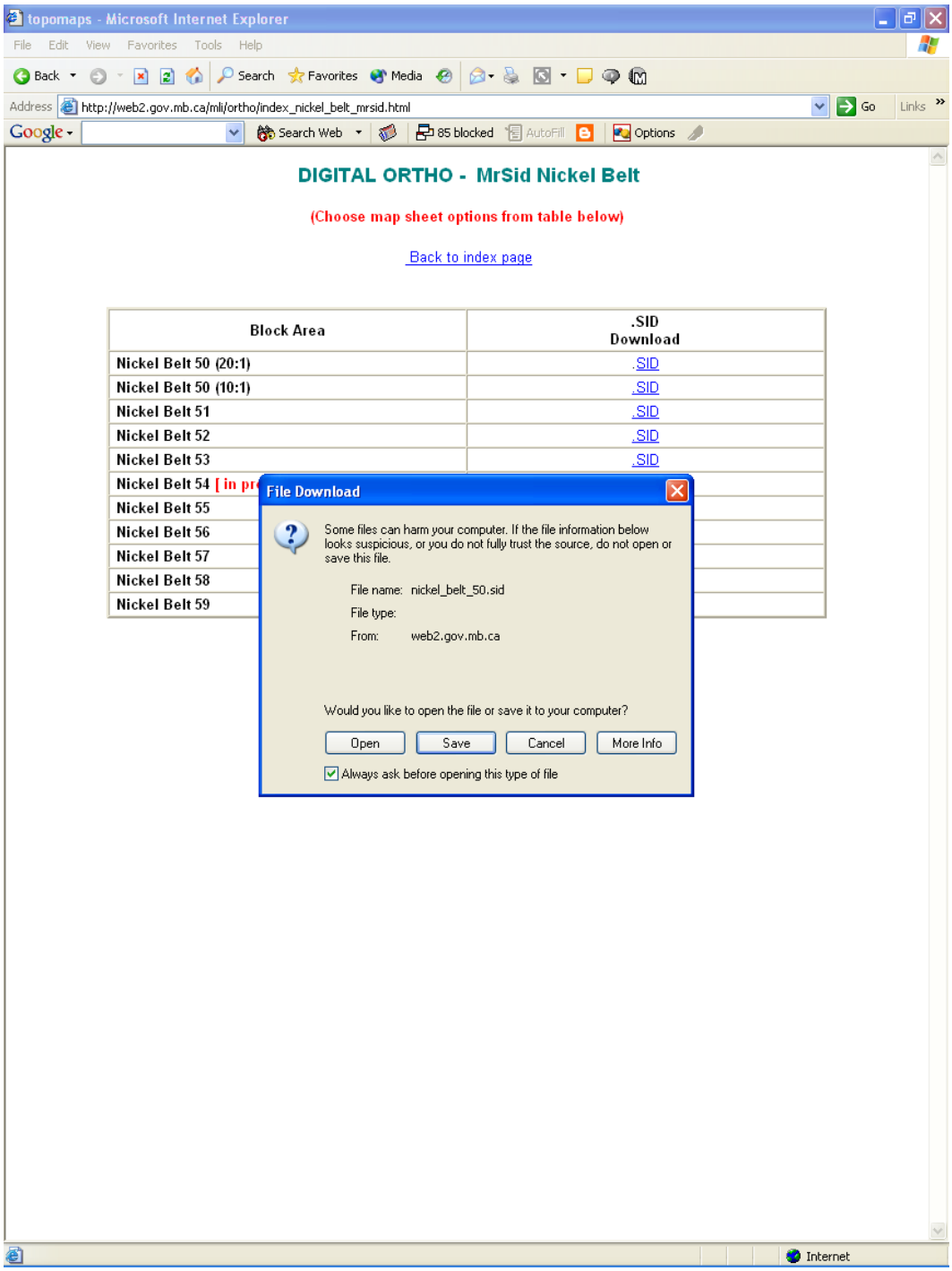
If Tabular look up is selected instead of Image Map look up, a screen similar the one below will be displayed. From this screen, right click on the .tif file to be downloaded and choose 'Save Target As…….' from the drop down menu.



To download a MrSid file, first select the MrSid area of interest from the digital Imagery main page, then on the list of files displayed, left click on the word .SID beside the file name to be downloaded. A download window will open, as in the following example, asking for information on where to save the file to.



IV. Metadata Standards

The Federal Geographic Data Committee (FGDC) has adopted content standards for metadata. All MLI products strive to adhere to the FGDC sections 1 & 7 standards as a minimum.

Guidance for minimal metadata documentation of spatial data files created by Manitoba Land Initiative data providers:

1) Identification Information (required)

Most of this section is *Mandatory* to comply with the FGDC standard. It is basic identification information about the data set

2) Data Quality Information (desirable but, optional)

This section (along with 3, 4, 5, and 6) is considered mandatory only if it applies to the data.

3) Spatial Data Organization Information (desirable but, optional)

This section (along with 2, 4, 5, and 6) is considered mandatory only if it applies to the data.

4) Spatial Reference Information (desirable but, optional)

This section (along with 2, 3, 5, and 6) is considered mandatory only if it applies to the data.

5) Entity and Attribute Information (desirable but, optional)

This section (along with 2, 3, 4, and 6) is considered mandatory only if it applies to the data.

6) Distribution Information (desirable but, optional)

This section (along with 2, 3, 4, and 5) is considered mandatory only if it applies to the data.

7) Metadata Reference Information (required)

This section is required and will provide data user with information on who created the metadata and when.

V. Requesting a CD of MLI Maps

If required, we will create a CD of the files required from the MLI site for a fee of $50.00. Simply send your request via e-mail to mlinfo@gov.mb.ca. Specify which maps you want (file name and format), which metadata files and the invoicing information. We will create a CD holding as many files as you request for $50.00 each CD and mail out the CD and invoice. We request that you first register at the MLI site and agree to the terms and conditions for use of MLI data.

Appendix A – Terms and Conditions of Use

Licence Agreement for Digital Data

This is a legal agreement between you ("User") and Her Majesty the Queen in Right of Manitoba, as represented by the Minister of Conservation ("Manitoba"). BY ACCESSING, DOWNLOADING, PRINTING OR USING THE DATA, INFORMATION AND MATERIALS BEING PROVIDED WITH, OR ACCESSIBLE PURSUANT TO, THIS AGREEMENT, YOU ARE AGREEING TO BE BOUND BY THE TERMS OF THIS AGREEMENT. IF YOU DO NOT AGREE TO THE TERMS OF THIS AGREEMENT, YOU MUST IMMEDIATELY DISPOSE OF ANY SUCH DATA, INFORMATION, MATERIALS AND ANY DERIVED PRODUCTS. These terms and conditions may change from time to time and it is your responsibility to check for such updates.

WHEREAS Manitoba is the owner of the proprietary rights in the digital data, information and materials ("Data") which forms part of the Manitoba Land Initiative's Data Warehouse and which Data is being delivered with, or is accessible electronically pursuant to, this Agreement;

AND WHEREAS the User wishes to access and use the Data;

NOW THEREFORE the User, for valuable consideration, the receipt and sufficiency of which is hereby acknowledged, covenants and agrees as follows:

1.00 **Reserved Rights and Grant of Limited Licence**

1.01 All Data is copyrighted, © 2001, Her Majesty the Queen in Right of Manitoba, as represented by the Minister of Conservation. All rights reserved. The User acknowledges that the Data is protected under the *Copyright Act* (Canada).

1.02 The Data is provided free of charge and royalty-free to the User for use, subject to the terms and conditions of this Agreement. The User owns the disk(s) or tape(s) on which the Data is recorded, but Manitoba retains all ownership interests in the Data.

1.03 Subject to clauses 1.04 and 1.05, the User is hereby granted a limited licence to:

a. select, print or arrange all of, or portions or features from these Data;

b. distribute Data, free of charge, in its original source form;

c. create new representations of these Data; and

d. process, analyze or otherwise use these Data in the development of new, derived works or value added products.

1.04 The User may sell, lease or sublicense the Data contained in new, derived works or value added products only. Reproducing or redistributing the Data for sale, lease or sublicense in its original source form, in whole or in part, without such modifications is strictly prohibited. Users are encouraged to come to the originating source to access the most current version of the Data.

1.05 When the Data is being distributed, free of charge, in its original source form as permitted by clause 1.03(b), or when using the Data in new representations, derived works and value added products as permitted by clauses 1.03(c) and (d), the User shall reference the source of information as: "© 2001 Her Majesty the Queen in Right of Manitoba, as represented by the Minister of Conservation. All rights reserved."

2.00 No Advice or Warranties

2.01 THE DATA IS PROVIDED ON AN "AS IS" BASIS AND MANITOBA MAKES NO GUARANTEES, REPRESENTATIONS OR WARRANTIES RESPECTING THE DATA, EITHER EXPRESS OR IMPLIED, ARISING BY LAW OR OTHERWISE, INCLUDING BUT NOT LIMITED TO, EFFECTIVENESS, COMPLETENESS, ACCURACY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF THIRD PARTY RIGHTS.

2.02 The boundaries, colours, denominations and other interpreted information contained in the Data, and their positional accuracy, do not imply on the part of Manitoba any judgement on the legal status of any territory or the endorsement or acceptance of such boundaries.

2.03 Manitoba may authorize other parties to use the Data in the same kind of products or in different products and Data may be deleted, changed or updated from time to time. Manitoba reserves the right to restrict access to the Data and may charge fees for access to the Data in the future.

3.00 No Liability / Indemnification

3.01 MANITOBA SHALL NOT BE LIABLE IN RESPECT OF ANY CLAIM, DEMAND OR ACTION, IRRESPECTIVE OF THE NATURE OF THE CAUSE OF THE CLAIM, DEMAND OR ACTION ALLEGING ANY LOSS, INJURY OR DAMAGES WHICH MAY RESULT FROM THE USER'S USE OR POSSESSION OF THE DATA. MANITOBA SHALL NOT BE LIABLE IN ANY WAY FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE DATA.

3.02 The User shall indemnify and save harmless Manitoba and its Ministers, officers, employees and agents from and against any claim, demand or action, irrespective of the nature of the cause of the claim, demand or action, alleging loss, costs, expense, damages or injuries (including injuries resulting in death) arising out of the User's use or possession of the Data.

4.00 Choice of Law

4.01 This Agreement shall be interpreted in accordance with the laws in force in the Province of Manitoba, Canada and the parties irrevocably attorn to the jurisdiction of and agree to bring any actions exclusively in the courts of Manitoba.