



YUKON LAND USE PLANNING COUNCIL

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Yukon Planning Atlas Survey – Results

Date: September 8, 2011

Method:

The goal of the Atlas Survey is to determine maintenance and development priorities of the Atlas, and to determine its value to YLUPC. Considering this goal, two broad survey audiences were identified:

1. Current Users: this audience would be best able to comment on the current functionality of the Atlas. Registered users of the Atlas were contacted to fill out a survey, since there is no list of active users. While many registered users may not be actively using the Atlas, all should be somewhat familiar with it.
2. Potential Users: this diverse audience would be able to indicate what their needs are, and possibly why they do not use the Atlas. Five groups of potential users were identified:
 - a. Industry groups
 - b. Local contractors often involved in development assessments
 - c. Yukon Boards and Committees
 - d. Yukon First Nations and Inuvialuit Land & Resource departments
 - e. Yukon Geomatics Users Group (YGUG)

After a superficial screening for invalid email addresses and cross-postings, 45 registered users and 108 potential users were invited to complete a survey, for a total of 153 invites. Each invitation started with a very brief introduction about the Atlas, then described the survey (see Appendix A) and informed recipients that those who complete the survey will be eligible for prizes. Links to more information on the Atlas and to the survey itself were included. Recipients were encouraged to forward the email to anyone that may be interested. The Survey was advertised via email on April 8th, 2011.

Finally, the YLUPC website advertised the survey on their front page. The survey ran from March 15 to May 12th; however, many additional submissions were received after the deadline. The Survey was removed from YLUPC's website on August 1st.

Results:

The Survey was advertised on the website for 23 days prior to the mass-emailed survey invitations. During this time, no valid surveys were completed. 24 surveys were completed in the 23 days following the email campaign. This flash of interest in the survey is reflected in the visitor statistics for YLUPC's website during this time (Figure 1). Only 25 somewhat informative responses remained – 16% of the target audience.



Figure 1: Visits to the Atlas during the survey

EMPLOYMENT

Respondents were first asked to describe their employer. Figure 2 shows that the majority of respondents were employed by Yukon, First Nations and other governments. Few worked for other boards and councils or for contractors. Other respondents identified themselves as a researcher (University of Waterloo), an interested citizen, or retired.

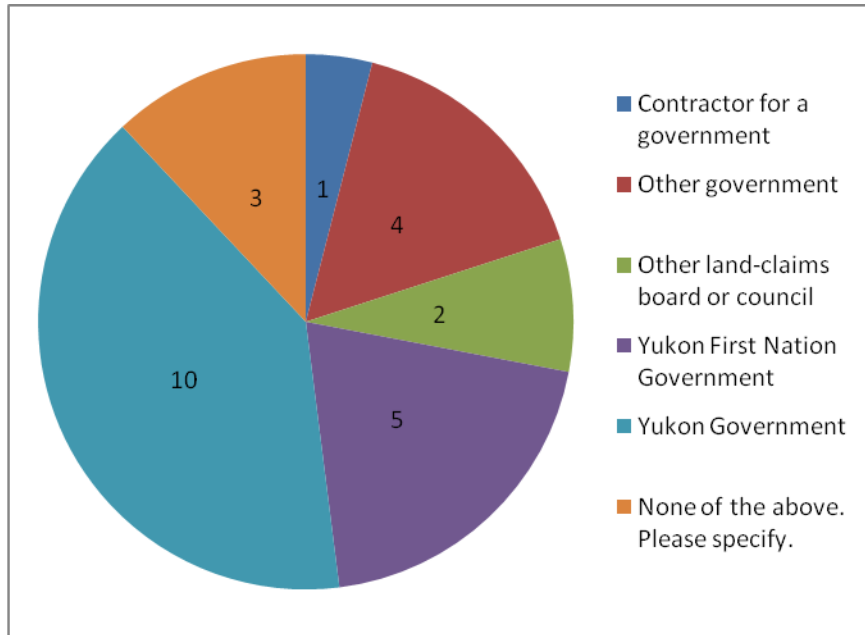


Figure 2: Employment of respondents

Almost 60% of respondents manage spatial data, with over half of these managing the spatial data for their entire organization.

GENERAL ON-LINE GIS USE

Respondents were asked a series of questions about their habits and preferences on on-line GISs in general. Figure 3 indicates that Google Earth is the on-line GIS used by the most users on a regular basis, followed by the Yukon Mining Lands Viewer. Respondents that were registered users of the Atlas (5 in total) showed similar preferences, though in this case, the Atlas was the second most selected on-line GIS.

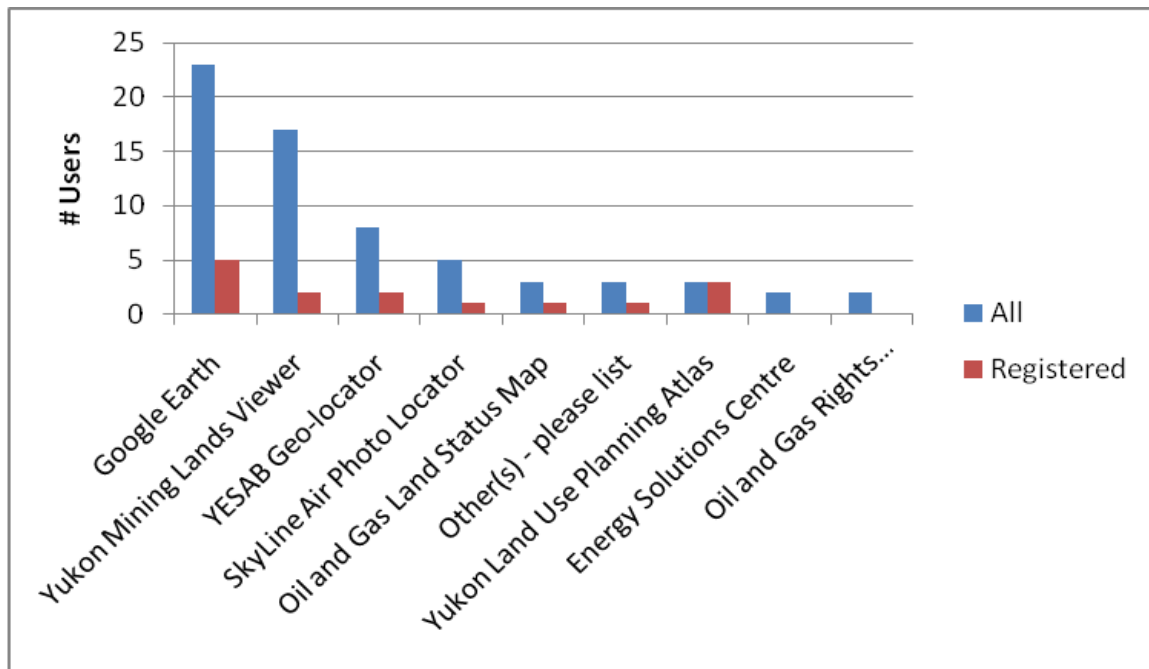


Figure 3: Popularity of on-line GISs - number of regular (monthly or more frequent) users, broken down by whether respondents were registered Atlas users or not.

Respondents also were asked to name the on-line GIS with the best functionality, regardless of content. The Yukon Mining Lands Viewer and the new Yukon Placer Atlas were often selected. Google Earth, the YESAB Geo Locator, the YGS Mapmaker, and an un-released water quality database were also recommended. The Yukon Mining Lands Viewer, the YESAB Geo Locator, and the YGS Mapmaker all have similar functionality and are built using the same technology on YG servers. The new Yukon Placer Atlas, built using more sophisticated software, will likely be a model for all of YG's on-line GIS improvements. Other than Google Earth, all of these on-line GISs use expensive software by ESRI.

Respondents were also asked to name the on-line GIS with the themes or data most relevant to their work, regardless of the functionality. The Yukon Mining Lands Viewer and the new Yukon Placer Atlas were often selected. Google Earth, the YESAB Geo Locator, the YGS Mapmaker, and NTGoMap (NWT Geological Survey's webmap) were also recommended. With the exception of Google Earth, all are

related to geology, mining and exploration. However, the Yukon mappers have other data relevant to a broader audience.

The usefulness of features that are not always part of an on-line GIS was surveyed. Respondents indicated that a “zoom to selected region/landmark” tool (a prominent feature of the Atlas) was quite important. Metadata descriptions were also thought to be important. Respondents thought that a help tool was less important, while most thought that tutorial or workflow examples were just “nice to have”.

Custom cartography and some analyses are not possible on on-line GISs. Therefore GIS professionals frequently need to transfer spatial data rather than view it. The survey found that there was no clearly preferred way to transfer spatial data, though downloading from an on-line GIS or an ftp site was generally more preferred than downloading from a website. The least sophisticated way to deliver data, the “sneaker-net” (using physical media like CDs or DVDs), was clearly thought of as “Not useful” (Figure 4).

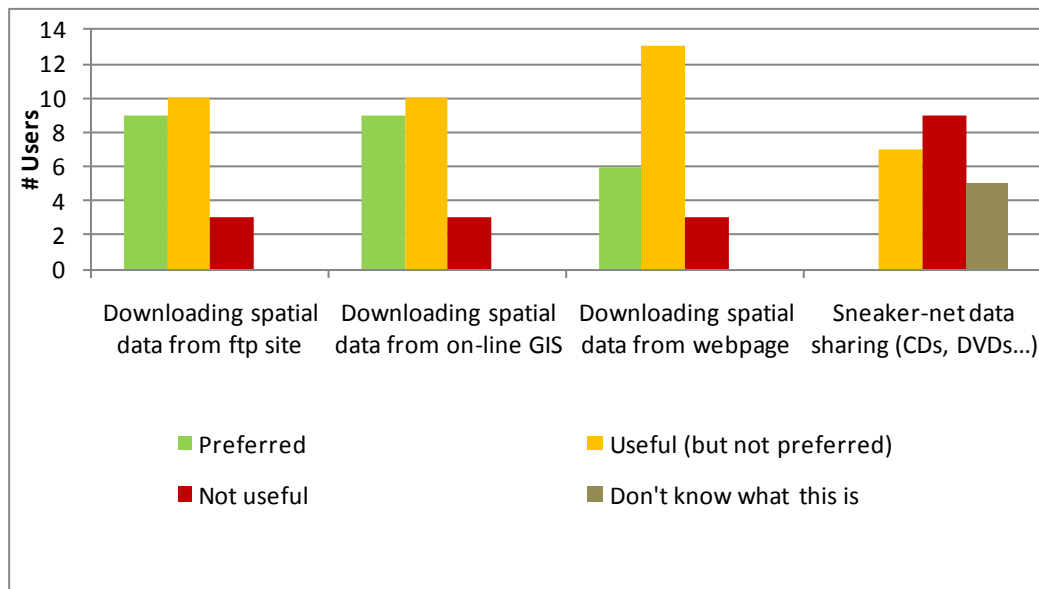


Figure 4: Spatial data delivery preferences

For viewing spatial data, on-line GISs were clearly preferred (Figure 5). Saving maps in Adobe Acrobat (.pdf) format was preferred over other image formats. Web Mapping Service (WMS), a service where an on-line GIS can share simplified data with another, was generally seen as useful. Only one respondent admitted to not knowing what it is when answering this question. However, when asked how they use WMS (Figure 6), 8 (42%) responded that they didn’t know about it, and another 6 (32%) said they didn’t know how to use it. In comparing Figure 4 and Figure 5, viewing an on-line GIS was the most preferred way to use maps or spatial data on-line.

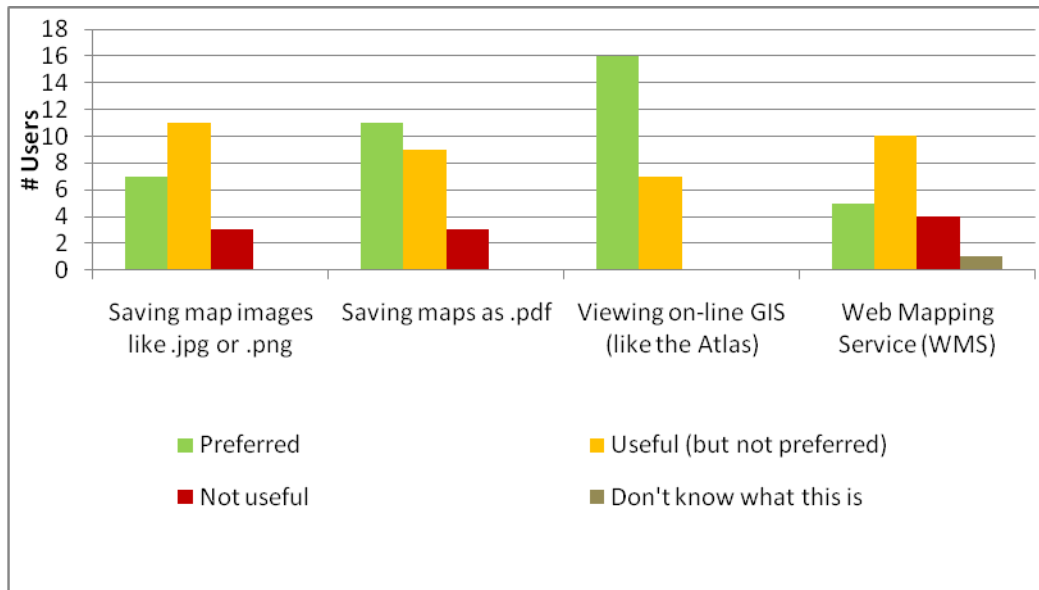


Figure 5: Spatial data viewing preferences

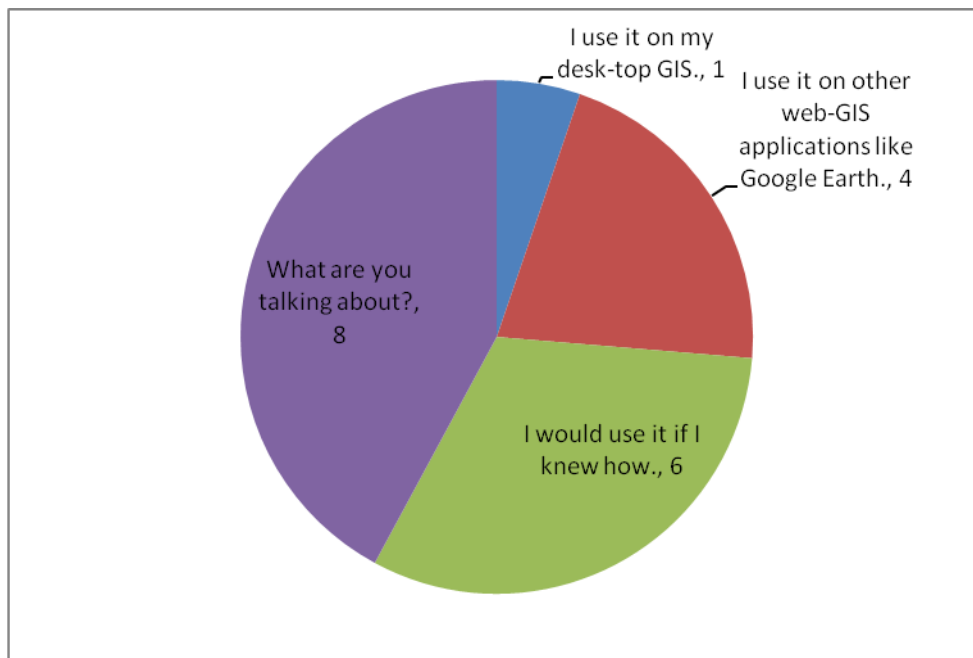


Figure 6: Use of WMS

CURRENT USE OF THE ATLAS

Only 5 (20%) respondents indicated that they were registered users of the Atlas. The majority (52%) didn't know they could register. This could be because the majority (60%) had never used the Atlas before filling out the survey. The remainder indicated that they use the Atlas monthly or yearly; none indicated daily or weekly use.

When respondents were asked to identify one or more ways in which they use the Atlas, most indicated that they use the Atlas for general exploration or for curiosity (83% of identified uses). See Figure 7.

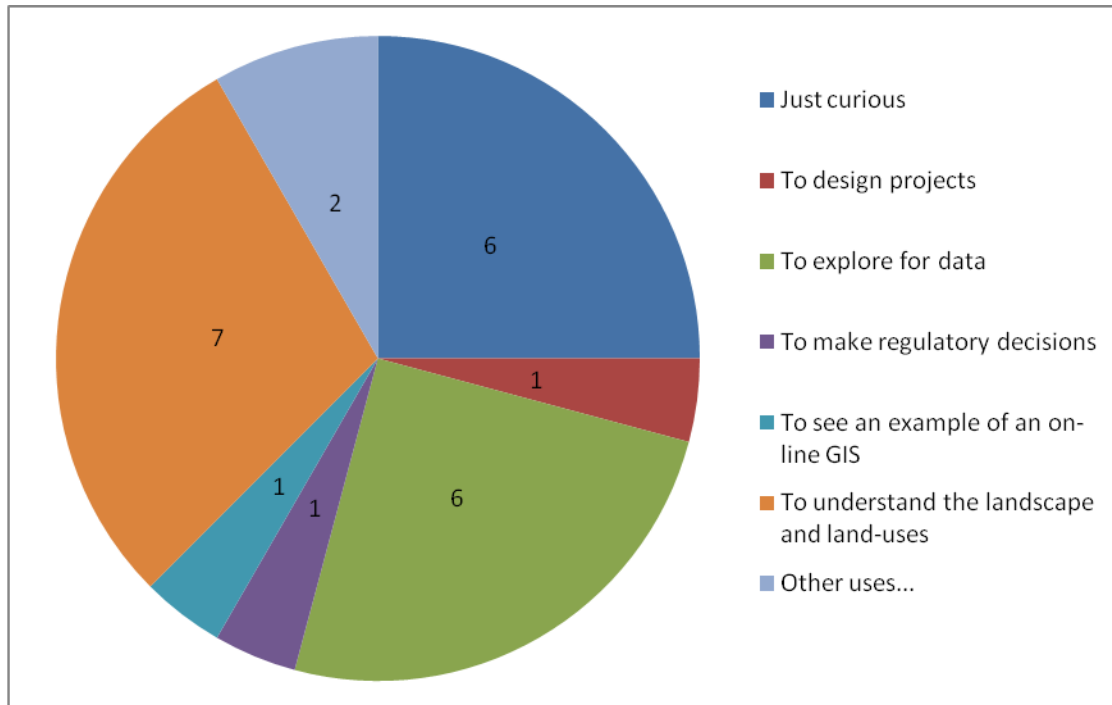


Figure 7: How the Atlas is used

SUGGESTIONS FROM RESPONDENTS

Only five respondents suggested improvements to the Atlas when asked, while others sprinkled suggestion throughout the survey. The suggestions can be categorized into suggestions on content, and into desired functions or technical improvements.

Content suggestions:

- More data layers or “more detail” in general
- Up-to-date land use information
 - One government GIS administrator recommended directly linking the Atlas to YG hosted data that regularly change, for example mineral claims.
- More links to land management unit information.
 - Taking this idea further, another respondent thought that LMU information from completed regional plans put into the [Yukon Mining Lands Viewer](#) and [Google Earth](#) would be sufficient.
- Several wanted legal survey data to be included

Technical suggestions:

- More than one respondent wanted a bigger map.
- “Scrollability” (assumed to mean the “slippy map” interface of Google Earth), so that the map doesn’t have to refresh each time the map moves.
- Prevent extent from zooming back to the full extent when a theme is changed
- Improve “chunky graphics”
- Improve the cartography
- Use a rectangular map (instead of square)
- Speed up rendering
- Allow panning by moving the inset map
- Logging in for full functionality is a pain and is unnecessary – change login requirements

Respondents were given the option to rate the quality of Atlas’ functions. Only eight respondents responded to any part of this question. None replied that a function “Does not work at all” or was “Absent from the Atlas”. The results are in **Table 1**. The rating of most functions was somewhat ambivalent, though some stood out as being especially favourable or unsatisfactory.

Table 1: Ratings of individual Atlas functions. Functions with green ratings are especially favourable; those in red are especially unsatisfactory.

Function	Great	Well enough	Unsatisfactory
Ease of use		3	1
File actions		3	
General customization of the map		1	2
Help tool		2	1
Image refresh speed	1	1	3
Image resolution	1	2	1
Landmark selection	1	4	
Layer control		3	3
Layer description at bottom of page	1	3	
Layer styling (colour choices etc)		1	2
Layers available		2	5
Map information tools	1	1	1
Map navigation controls		4	1
Metadata descriptions	2	3	
Query tools		2	1
Region selection	1	4	1
Regional description at bottom of page	1	2	1
Reliability of the service	1	2	1
Theme description at bottom of page	1	2	1
Theme selection		3	2
Tutorials		2	1
Total	11	50	28

When asked how likely they would recommend the Atlas to a colleague or friend, more respondents were likely than unlikely to recommend the Atlas. However, the most common response was an ambivalent “maybe” (Figure 8).

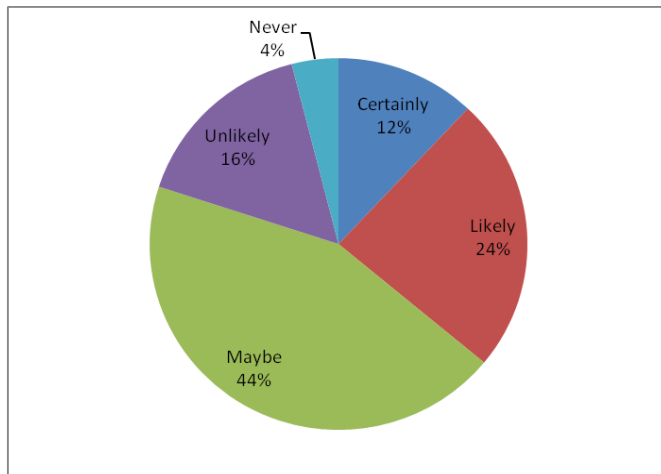


Figure 8: How likely respondents will recommend the Atlas to a colleague or friend

Discussion and Conclusions

In this section, the results in the section above are discussed. Potential Atlas improvements or suggestions are shown in separate boxes. Note that not all of these can be done – certain ones are mutually exclusive of others. In the *Paths Forward* section, selected improvements or suggestions are arranged in alternate development paths.

SURVEY INTEREST

The response to the survey was disappointingly low. With only 25 validly completed surveys, it is difficult to reach any definitive conclusions. With only 10 of these 25 with any experience using the Atlas, many responses may not be very informative. Nonetheless, the survey has shown some insight. Most of the survey interest appears to have been generated by the mass-email, with few people finding the survey on their own. This is likely because the Atlas and the YLUPC's website are seldom visited by the target audience. Not surprisingly, the majority of respondents were employed by a government; however, the number of respondents employed by a board or council or in the private sector was disappointing (Figure 2). Much of the Atlas' potential for aiding land use decisions involves these two sectors.

CURRENT USE OF THE ATLAS

Survey responses indicate that the Atlas is currently little used, and generally not for its intended purpose of improving land use decisions and planning. Consequently, the Atlas should be improved or the YLUPC's approach to disseminating its planning information should be revisited. One reason the Atlas may be under-used is because it does not currently contain useful information for much of the Yukon. As more regional plans are developed, the Atlas should become more relevant.

ATLAS VS. OTHER ON-LINE GISs

As expected, Google Earth was the most popular on-line GIS. It is fast, intuitive and easy, yet has a range of functions for more advanced users, and has satellite imagery for all of Yukon (and the world). It also lets users pan around in real-time without the map refreshing after each move.

The Yukon Mining Lands Viewer and a few other Yukon Government-run on-line GISs were also well used. Though backed by expensive proprietary software, these on-line GISs provide a similar experience and functionality to the Atlas. In fact, the Atlas has a few analytical options not found in these GISs. YG's upcoming "Yukon Placer Atlas" is built using state of the art software, and provides a superior user experience. Likely YG will migrate their on-line GISs to this technology. It remains to be seen if this platform will enable some of the specialty analyses of the Atlas. Despite the similarities of YG's current on-line GISs to the Atlas, they have several advantages. For example, they:

- Have Yukon-wide coverage of a variety of layers (the Atlas has Yukon-wide coverage too, but little informative data beyond the North Yukon Planning Region)
- Use up to the minute data for even the most dynamic layers, like mineral claims, because YG's central database is live-linked to these GISs.

- Are well advertised on well visited Yukon Government websites.
- Have a more user-friendly layout with labeled buttons, large, rectangular map area, customizable zooming options.
- Produce better looking exported maps in two formats.

ATLAS CONTENT

Metadata-related functions (metadata & layer descriptions) were generally well regarded (**Table 1**). These functions, not present in all on-line GISs, were thought by the respondents to be important “extras” in an on-line GIS. The Atlas appears to be on track with these features, though more content could be added.

The selection of layers available on the Atlas was not satisfactory (**Table 1**). This is because respondents wanted: more layers in general, legal survey and other disposition data in specific , and up-to-date data. While YLUPC still has much data waiting to be loaded into the Atlas, some of the large-scale information desired by the respondents was not planned to be added because it was thought to be beyond the scope of regional planning. Adding some of this large-scale information should be investigated. Currently, the Atlas uses few links to outside data sources (using WMS or other technologies). An increased use of these should help with the currency of the Atlas. Alternatively, YLUPC/Commission data could be loaded into an on-line GIS otherwise run by YG.

Potential Atlas improvement task # 1	<ul style="list-style-type: none"> • <i>Improve cartography: colours, rendering order, transparencies, etc.</i>
Potential Atlas improvement task # 2	<ul style="list-style-type: none"> • <i>Finish adding all mapping data produced by the regional planning exercises. This includes:</i> <ul style="list-style-type: none"> ○ <i>Peel RAR layers</i> ○ <i>Peel FRLUP LMUs (even if they aren't "official")</i> ○ <i>Teslin layers?</i>
Potential Atlas improvement task # 3	<ul style="list-style-type: none"> • <i>Work with YG to gain live access to their corporate database (or improve it)</i>
Potential Atlas improvement task # 4	<ul style="list-style-type: none"> • <i>Add legal-survey and other large scale data if live linkage to government data is possible.</i>
Potential Atlas improvement task # 5	<ul style="list-style-type: none"> • <i>Work with YG to build a on-line GIS with their technology and infrastructure, and YLUPC's (and YG's) data</i>

ATLAS FUNCTIONALITY

The ratings of individual functions of the Atlas indicated that all functions are working (**Table 1**). The landmark selection function was generally well regarded and considered to be an important “extra” in an on-line GIS. However, respondents recommended a number of improvements for the Atlas. Some problems can be fixed by making relatively small modifications to the existing software. The following improvements likely fall into this category:

Potential Atlas improvement task # 6	<ul style="list-style-type: none"> • <i>Label buttons or add “Tooltips”</i>
Potential Atlas improvement task # 7	<ul style="list-style-type: none"> • <i>Adjust layout to maximize area of map on screen; make map rectangular if possible</i>
Potential Atlas improvement task # 8	<ul style="list-style-type: none"> • <i>Maintain extent when theme is changed</i>
Potential Atlas improvement task # 9	<ul style="list-style-type: none"> • <i>Allow unregistered users to use the “advanced user interface”</i>
Potential Atlas improvement task # 10	<ul style="list-style-type: none"> • <i>Build custom zoom-to widget, once other tasks have been completed</i>

Other improvements may require rebuilding the Atlas using one or more updated or completely new software components, and/or reconfiguring Atlas’ servers. The following tasks likely fall into this category:

Potential Atlas improvement task # 11	<ul style="list-style-type: none"> • <i>Upgrade/replace hardware and software configurations to: <ul style="list-style-type: none"> ○ <i>Allow smooth panning such as the state of the art “slippy maps” like Google Earth</i> ○ <i>Improve rendering speed.</i> ○ <i>Improve resolution and rendering.</i> </i>
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DATA SHARING/DATA DISCOVERY

At its core, the Atlas is a tool for the Public to view, access, analyze and otherwise use mapping generated by Yukon’s regional land use planning process. In addition to on-line GISs like the Atlas, there are a number of other, simpler, tools that allow spatial data sharing or discovery. Figure 4 shows the respondent’s preferences for tools that facilitate the sharing of raw spatial data. As one would hope, the respondents were not interested in archaic file sharing on physical media like CDs (aka “sneaker-net”).

Otherwise, there was no clear-cut preferred way to obtain data; all three methods (ftp, webpage, or direct from an on-line GIS) merit consideration from the YLUPC.

Potential Atlas improvement task # 12	<ul style="list-style-type: none"> • <i>Facilitate data downloading from the Atlas once other Atlas improvements have been made</i>
Potential Atlas improvement task # 13	<ul style="list-style-type: none"> • <i>Consider adding an ftp site or website that disseminates spatial data</i>

Figure 5 shows that viewing on-line GISs is clearly the preferred method to use spatial data. This clear preference may explain the lack of strong preference for obtaining spatial data – users are now most interested in *using* the data, rather than *obtaining* the data. This interest is a strong argument for the YLUPC to continue offering their data on the Atlas, or similar service. Figure 5 also shows a general preference for saving composed maps as a .pdf. Given this interest, the Atlas’ current .pdf export function may need to be improved. Similarly, the addition of an image export function may be warranted.

Potential Atlas improvement task # 14	<ul style="list-style-type: none"> • <i>Improve pdf export template, add .png export ability</i>
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Figures 5 and 6 show a general lack of interest or understanding of the Web Mapping Service (WMS). This standard method of sharing spatial data among on-line GISs is little used by GIS professionals (at least in Yukon), likely because it doesn’t allow for sophisticated analyses. However, it is an efficient way to for map viewers to share information. Providing YLUPC’s spatial data in WMS standard is a core function of the Atlas, as mandated in Atlas development funding agreements, yet appears to be little used. Though respondents placed less importance on help functions or workflows, a tutorial showing how WMS can be used on the Atlas, Google Earth, or most any GIS may help data discovery. However, developing such a lesson may be outside the purview of the YLUPC.

Potential Atlas improvement task # 15	<ul style="list-style-type: none"> • <i>Create a tutorial or workflow that showcases the Atlas’ WMS, once other tasks have been completed</i>
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Appendix A: Survey

The Yukon Land Use Planning Atlas SURVEY

Prizes!

If you fill out a survey, you will be eligible to win the draw prize which is your choice of a [GPS data logger](#) or a [Bushnell Backtrack GPS](#). As a BONUS, if we determine that your responses are the most informative, detailed, and useful, you will win the remaining prize! We will select the winners on May 12th - don't forget to fill in your survey in time! Only one entry per person will be entered into the draw.



What is this survey for?

The Yukon Land Use Planning Council has been operating its Planning Atlas for well over a year, and are continuing to make improvements. Information gathered in this survey will help us determine how the Atlas is being used, how much it is being used, and what can be improved.

The survey will take about 5 minutes. Most questions are optional, so skip any questions that you don't feel like answering. Your input is very much appreciated!

PERSONAL

1. Please check which answer best describes your employer.

- Yukon Government
- Yukon First Nation Government
- Other government
- Contractor for a government
- Developer
- Contractor for a developer

- Regulatory board
- Other land-claims board or council
- None of the above. Please specify.

2. How do you use the Atlas? (you can click more than one option)

- To make regulatory decisions
- To design projects
- To understand the landscape and land-uses
- To explore for data
- To see an example of an on-line GIS
- Just curious
- I never used the Atlas before today.
- Other uses...

3. How often do you use the Atlas?

- Daily
- Weekly
- Monthly
- Yearly
- Never/This is my first time using the Atlas

4. Are you a registered user of the Atlas?

(Optional)



Yes



No, I looked into it, but didn't bother.



No, I didn't bother learning about it.



No, I didn't know I could register.

5. Do you manage any spatial data?

(Optional)



No



Yes, but just my own project-specific spatial data.



Yes, I manage my organization's spatial data.

6. If you answered 'yes' to the question above, would you consider sharing some of your data so it may be used on the Atlas?

(Optional)



No, my data cannot leave my office.



No, my data would not be useful for regional land use decisions.



Yes, but only if a data-sharing agreement is signed.



Yes, my data is already publically available, and ready to be used.

ON-LINE GIS GENERAL

1. The Planning Atlas is one of many on-line web-accessible GISs. Please indicate which ones you use every few months or more.

(Optional)



Yukon Land Use Planning Atlas



Google Earth



Yukon Mining Lands Viewer



SkyLine Air Photo Locator



YESAB Geo-locator

- Oil and Gas Land Status Map
 - Oil and Gas Rights Management - Request for Postings
 - Energy Solutions Centre
 - Other(s) - please list
-
- None

2. What on-line GIS is closest to your dream on-line GIS (name or URL), ignoring its themes? Think of the on-line GIS that has the best functionality, interface, or tools. Why?

(Optional)

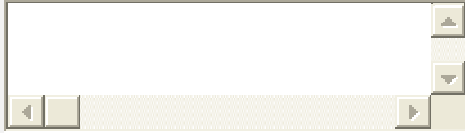
3. When you use an on-line GIS, how important are the following "extra" features?

(Optional)

	Very important	Important	Nice to have	Useless	I don't know
Zoom to region/landmark menu	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Help tool	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tutorials or workflow examples	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Metadata descriptions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

4. What on-line GIS has the themes or data most relevant to your work?

(Optional)



5. What is your preferred way to use maps or spatial data on-line?

(Optional)

ATLAS FEATURES

	Preferred	Useful (but not preferred)	Not useful	Don't know what this is
Viewing on-line GIS (like the Atlas)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Saving map images like .jpg or .png	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Saving maps as .pdf	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Downloading spatial data from on-line GIS	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Downloading spatial data from ftp site	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Downloading spatial data from webpage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Web Mapping Service (WMS)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sneaker-net data sharing (CDs, DVDs...)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

1. Are there any layers or data that are missing from the Planning Atlas? Which ones?

(Optional)

2. The Planning Atlas also publishes its data using the Web Map Service (WMS) protocol. How do you use this service?

(Optional)

- I use them on my desk-top GIS.
- I use them on other web-GIS applications like Google Earth.
- I would use them if I knew how.
- What are you talking about?

3. Can you describe how the Atlas may be improved?

(Optional)

4. If you have any comments on the Atlas, please note them below.

(Optional)

5. How likely will you recommend the Atlas to a colleague or friend?

(Optional)

- Certainly
- Likely
- Maybe

- Unlikely
- Never

ATLAS FOLLOW UP

1. If you have any questions or comments that you would like to discuss with the Atlas administrator, please write them below.

(Optional)

2. Please leave your email address or phone number if you:

- would like to be eligible to win a prize for filling out this survey, or
- would like the Atlas administrator to discuss any questions or comments you may have (if so please fill out previous question).

(Optional)

IN DEPTH QUESTIONS - FEEL FREE TO SKIP IF YOU'VE HAD ENOUGH!

1. Please indicate how well each feature works in the Atlas.

(Optional)

	Great	Well enough	Unsatisfactory	Does not work at all	Absent from the Atlas
Region selection	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Landmark selection	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Theme selection	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Map navigation controls	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Map information tools	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
File actions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Query tools	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Help tool	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tutorials	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Layer control	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Layers available	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Regional description at bottom of page	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Theme description at bottom of page	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Layer description at bottom of page	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Metadata descriptions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Layer styling (colour choices etc)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Image resolution	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Image refresh speed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
General customization of the map	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ease of use	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Reliability of the service



Submit Answers

Thank you very much for your time and input! Only one survey per person will be entered for the draw prizes.