

Municipal Survey 2006 - BC

1. Do you currently use GIS or CAD in your Municipality or Regional District?			
No (If No, please proceed to Question 2)		0	0%
Yes (If Yes, please proceed to Question 3)		18	100%
Total		18	100%

2. As you do not currently use GIS, do you know that there is FREE GIS software available to run on your PC or website to give you a start at little cost? Press the "Submit" button at the bottom of this page, or feel free to browse the rest of the questions. Thank you! (We will contact everyone with the web link once the survey is closed.)			
Yes, this is of interest to me. I will contact you at mapping@mcelhanney.com		0	0%
No, GIS is not of interest to me at this time.		1	100%

3. Which GIS or CAD systems do you currently use (select as many as applicable)?			
ArcGIS		13	72%
AutoCAD		13	72%
Microstation		2	11%
MapInfo		1	5%
Vision		0	0%
Smallworld		0	0%
Other, Please Specify View Responses		5	27%

4. How complete is your base map data at your municipality or Regional District?					
Top number is the count of respondents selecting the option. Bottom % is percent of total respondents selecting the option.	20%	40%	60%	80%	100%
Road network	2 12%	1 6%	1 6%	3 18%	10 59%
Street furniture	7 41%	2 12%	4 24%	3 18%	1 6%

Railway	2 12%	0 0%	3 19%	5 31%	6 38%
Water/sewer lines	4 25%	0 0%	3 19%	5 31%	4 25%
Land use	1 6%	2 12%	2 12%	4 25%	7 44%
Land cover	3 20%	4 27%	4 27%	1 7%	3 20%
Building footprints	7 50%	2 14%	1 7%	2 14%	2 14%
Building heights	12 86%	1 7%	0 0%	1 7%	0 0%
Cadastre	0 0%	1 6%	1 6%	5 29%	10 59%
Emergency services	6 40%	2 13%	2 13%	1 7%	4 27%
Natural hazards	4 25%	6 38%	0 0%	2 12%	4 25%
DEM	4 25%	1 6%	1 6%	2 12%	8 50%
Orthophotos	1 6%	1 6%	0 0%	3 18%	12 71%

5. Are there any map data sets that you do not own, but would like to acquire for your department over the next year?			
No, we have all the data layers of interest to us.		9	56%
Yes. The new data layers of interest are: View Responses		7	44%
Total		16	100%

6. How is your municipality making use of Google Earth (select as many as applicable)?			
We are not yet using Google Earth.		14	77%
We are using Google Earth for internal planning purposes.		1	5%
We are adding our municipal data to Google Earth.		1	5%
We are offering our GIS data in KML format to the public.		0	0%
We are taking advantage of the 3D building visualization in Google Earth.		0	0%
Other, please specify View Responses		2	11%

7. One way of managing municipal asset condition is by geo-tagging digital photos (ie.

taking a digital photo of the asset and tagging it with a GPS location) for use in your GIS/CAD system. At what stage are you in the use of geo-tagging digital photos?			
We are currently geo-tagging photos.		3	17%
We are not geo-tagging photos and probably will not in the future.		4	22%
We are not geo-tagging photos, but are interested.		11	61%
Total		18	100%

8. A complimentary tool to geo-tagging photos is using Mobile GIS, such as ArcPAD or ENCOM Discover Mobile, to update information in the field. At what stage are you in the use of Mobile GIS?			
We already use Mobile GIS.		4	22%
We are interested in Mobile GIS but have not implemented so far.		11	61%
We are not interested in Mobile GIS.		2	11%
Other, please specify View Responses		1	6%
Total		18	100%

9. To assist in the use of Mobile GIS and/or web-based mapping for field crews, at what stage are you in providing WIFI access across your municipality?			
We have already implemented WIFI access for field crews.		2	11%
We are interested in WIFI access for field crews but have not implemented so far.		9	50%
We are not interested in WIFI access for field crews.		5	28%
Other, please specify View Responses		2	11%
Total		18	100%

10. High ground resolution satellites are being launched on a regular basis. 81cm IKONOS and 61cm Quickbird images are commonly acquired images. Within the next year there will be the 41cm ground resolution GeoEye-1 satellite. At what stage are you in the use of high resolution satellite images?			
We currently use high res satellite images.		3	17%

We are interested in using high res satellite images but have not tried so far.		12	67%
We are not interested in using high res satellite images.		3	17%
Total		18	100%

11. The use of spatially enabled databases is growing, with both Open Source and closed source databases being available. Which spatially enabled database do you use?			
We do not yet use a spatially enabled database and are not interested.		2	11%
We are interested in a spatially enabled database but have not yet implemented so far.		4	22%
Oracle Spatial		1	6%
ESRI Geodatabase		3	17%
ESRI ArcSDE		4	22%
MapInfo Spatialware		0	0%
PostGIS/PostgreSQL		0	0%
MySQL		1	6%
DB2 V7.2 or DB2 V8		0	0%
Other, please specify View Responses		3	17%
Total		18	100%

12. What do you think will be the most significant issue or development in the GIS industry over the next year?

[View 6 Responses](#)

13. Are there any other comments, questions or issues regarding GIS that you would like to discuss? Please feel free to elaborate. Thanks for participating in this survey! We will email everyone with the web link to the survey results when the survey has closed.

[View 4 Responses](#)

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Results Overview: Open Ended Responses

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12. What do you think will be the most significant issue or development in the GIS industry over the next year?	
#	Response
1	Growth of open source and interoperability
2	asset management and temporal data structures not Google Earth
3	Availability of trained staff, particularly as retirements and reorganization remove current experts.
4	The Use of Lidar technology, and data sharing between gov agencies.
5	Integrating GIS with other business applications and business data.
6	adding data and use of google earth

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Results Overview: Open Ended Responses

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11. The use of spatially enabled databases is growing, with both Open Source and closed source databases being available. Which spatially enabled database do you use?

#	Response
1	Access
2	SQL Server, and MS Access
3	MapGuide plus an Access mdb linked to SQL tables

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Results Overview: Open Ended Responses

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9. To assist in the use of Mobile GIS and/or web-based mapping for field crews, at what stage are you in providing WIFI access across your municipality?

#	Response
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1	We are building a community WiFi network.
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2	Implemented some for moving security cameras.
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Results Overview: Open Ended Responses

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8. A complimentary tool to geo-tagging photos is using Mobile GIS, such as ArcPAD or ENCOM Discover Mobile, to update information in the field. At what stage are you in the use of Mobile GIS?

#	Response
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1	Future consideration, too busy with other stuff!
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6. How is your municipality making use of Google Earth (select as many as applicable)?	
#	Response
1	We have offered our public data to Google
2	Preliminary - poor resolution - no subscription

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#	Response
	5. Are there any map data sets that you do not own, but would like to acquire for your department over the next year?
1	TRIM 2
2	Gas mains, Hydro, Telus, Shaw,
3	street centreline, archeological sites, census dat
4	DEM, utilities
5	Crownland Data, and more current orthophotos
6	Higher definition Ortho

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Municipal Survey 2006 - BC

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3. Which GIS or CAD systems do you currently use (select as many as applicable)?	
#	Response
1	ArcView
2	Autodesk Map
3	MicroStation Geographics
4	CityView
5	Autodesk MapGuide

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Results Overview: Open Ended Responses

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13. Are there any other comments, questions or issues regarding GIS that you would like to discuss? Please feel free to elaborate. Thanks for participating in this survey! We will email everyone with the web link to the survey results when the survey has closed.

#	Response
1	By itself AutoCAD is not a GIS but when used with other tools it may be. It might be more useful if you break out the two in future surveys. This might be as simple as adding another question: "If you use AutoCAD as a GIS what do you use it with?" ie ArcGIS, Autodesk Map,Mapguide, ArcSDE etc. For next years survey Id like to see some questions on Asset Management; who is doing what and by when etc.
2	Generally we have just begun GIS implementation and as such we are pretty stretched between creating a proper base over to creating all the various layers. hth
3	The cost for Lidar data, and high res Sat images has to come down in price. Especially when it's applied to Hazard mapping.
4	autodesk mapguide is a very good fit for us

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