

Survey Results (Included Responses)

State of Municipal GIS in Alberta - 2005

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49
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Launch Date	09/06/2005 - 10:08 AM
Close Date	
Email Invites	0
Visits	61
Partials	0
Completes	49

Do you currently use GIS or CAD in your City, Town, Village or 1. Municipal District?	Number of Responses	Response Ratio
No (If No, please proceed to Question 2)	9	18%
Yes (If Yes, please proceed to Question 3)	40	82%
Total	49	100%

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! (The survey results will be posted on 2. http://www.mcelhanney.com/mapping/map_gisweb.html)	Number of Responses	Response Ratio
Yes, this is of interest to me. I will contact you at mapping@mcelhanney.com	3	43%
No, GIS is not of interest to me at this time.	4	57%

Which GIS or CAD systems do you currently use (select as many as 3. applicable)?	Number of Responses	Response Ratio
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ArcGIS		26	63%
AutoCAD		27	66%
Microstation		2	5%
MapInfo		1	2%
Vision		0	0%
Smallworld		0	0%
Other, Please Specify		13	32%

4. How complete is your base map data at your City, Town, Village or Municipal District?

The top percentage indicates total respondent ratio; the bottom number represents actual number of respondents selecting the option

	1	2	3	4	5
	20%	40%	60%	80%	100%
1. Road network	2%	0%	5%	31%	62%
	1	0	2	13	26
2. Street furniture	33%	22%	14%	22%	8%
	12	8	5	8	3
3. Railway	3%	3%	0%	11%	84%
	1	1	0	4	31
4. Water/sewer lines	16%	14%	16%	38%	16%
	6	5	6	14	6
5. Land use	5%	5%	5%	30%	55%
	2	2	2	12	22
6. Land cover	29%	21%	9%	15%	26%
	10	7	3	5	9
7. Building footprints	44%	19%	8%	19%	8%
	16	7	3	7	3
8. Building heights	91%	6%	0%	3%	0%
	29	2	0	1	0
9. Cadastre	8%	3%	3%	21%	67%
	3	1	1	8	26
10. Emergency services	44%	11%	14%	19%	11%
	16	4	5	7	4
11. Natural hazards	65%	3%	19%	10%	3%
	20	1	6	3	1
12. DEM	47%	3%	6%	3%	42%
	17	1	2	1	15
13. Orthophotos	11%	3%	8%	11%	68%
	4	1	3	4	26

5. What is the update interval for your base map data?

The top percentage indicates total respondent ratio; the bottom number represents actual number of respondents selecting the option

	1	2	3	4	5
	Monthly	Bi-Yearly	Yearly	Every Other Year	Every 5 Years or More
1. Road network	37%	27%	22%	5%	10%
	15	11	9	2	4

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2. Street furniture	13%	6%	42%	6%	32%
	4	2	13	2	10
3. Railway	14%	7%	36%	0%	43%
	4	2	10	0	12
4. Water/sewer lines	28%	25%	22%	14%	11%
	10	9	8	5	4
5. Land use	55%	15%	20%	0%	10%
	22	6	8	0	4
6. Land cover	27%	7%	27%	7%	33%
	8	2	8	2	10
7. Building footprints	19%	11%	22%	7%	41%
	5	3	6	2	11
8. Building heights	17%	0%	8%	4%	71%
	4	0	2	1	17
9. Cadastre	47%	26%	16%	3%	8%
	18	10	6	1	3
10. Emergency services	35%	6%	19%	10%	29%
	11	2	6	3	9
11. Natural hazards	24%	0%	24%	4%	48%
	6	0	6	1	12
12. DEM	10%	7%	7%	33%	43%
	3	2	2	10	13
13. Orthophotos	0%	6%	11%	56%	28%
	0	2	4	20	10

6. How do you undertake updates to your base map data?

The top percentage indicates total respondent ratio; the bottom number represents actual number of respondents selecting the option

	1 In-house staff	2 In-house contractor	3 Outsource
1. Road network	68%	5%	27%
	28	2	11
2. Street furniture	67%	10%	23%
	20	3	7
3. Railway	69%	3%	28%
	22	1	9
4. Water/sewer lines	62%	8%	30%
	23	3	11
5. Land use	76%	5%	20%
	31	2	8
6. Land cover	57%	7%	37%
	17	2	11
7. Building footprints	59%	7%	34%
	17	2	10
8. Building heights	54%	8%	38%
	14	2	10
9. Cadastre	50%	3%	47%
	19	1	18
10. Emergency services	73%	7%	20%
	22	2	6

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11. Natural hazards	68%	8%	24%
	17	2	6
12. DEM	29%	6%	65%
	9	2	20
13. Orthophotos	22%	6%	72%
	8	2	26

How do you share your GIS / CAD data between departments or external agencies?
7.

	Number of Responses	Response Ratio
Through a central server.	27	64%
Share via CD or other portable media.	3	7%
Departmental data is not shared.	4	10%
VIEW Other, Please Specify	8	19%
Total	42	100%

Are there any map data sets that you do not own, but would like to acquire for your department over the next year?
8.

	Number of Responses	Response Ratio
No, we have all the data layers of interest to us.	28	68%
VIEW Yes. The new data layers of interest are:	13	32%
Total	41	100%

Some Cities, Towns, Villages or Municipal Districts offer public or interdepartmental access to their repository of GIS data and orthophotos through a web-based GIS. At what stage are you in the use of web-based mapping?
9.

	Number of Responses	Response Ratio
We have already implemented web-based mapping.	16	38%
We are interested in web-based mapping but have not implemented so far.	24	57%
We are not interested in web-based mapping.	2	5%
Total	42	100%

For urban development, some departments generate 3D visualizations for new developments and/or request developers to provide these views (e.g. to show how a new condo tower will affect neighbouring views). At what stage are you in the use of 3D views for urban development decisions?
10.








	Number of Responses	Response Ratio
We already require 3D views for urban development.	2	5%
We are interested in 3D views but		

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have not implemented so far.		19	49%
We are not interested in 3D views for urban development.		18	46%
Total		39	100%

With the release of new versions of GIS on a regular basis, training is one option to help the technical staff make use of the new features, or brush up on their current skills. How often does your technical staff

11.take GIS training?

		Number of Responses	Response Ratio
Yearly through a technical school like SAIT.		0	0%
As-needed through a technical school.		17	40%
We bring a trainer into our office.		4	10%
We self-teach.		9	21%
We take web-based courses.		4	10%
 Other, Please Specify:		8	19%
Total		42	100%

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! (The survey results will be posted on http://www.mcelhanney.com/mapping/map_gisweb.html)

 4 Responses

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3. Which GIS or CAD systems do you currently use (select as many as applicable)?

#	Response
1	ArcView 3.x
2	MapOptix
3	GeoMedia
4	Geo Explorer
5	autodesk Map 3D
6	GEOMEDIA
7	Geo/SQL, ArcView 3.2
8	GeoMedia
9	Integrapph
10	Arcview 3.2; GeoMedia
11	ArcView
12	GeoMedia, GeoMedia Pro, GeoMedia WebMap
13	MapGuide & MIMS

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7. How do you share your GIS / CAD data between departments or external agencies?

#	Response
1	Between departments is shared over the network.
2	Intranet system
3	Via Internet
4	Sell paper/digital maps, free to contract engineer
5	central server & then also use CD to external agen
6	Server with intranet client
7	CD and Internet
8	Printed Copies

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8. Are there any map data sets that you do not own, but would like to acquire for your department over the next year?

#	Response
1	DEM, IKONOS (Satellite Imagery)
2	Satellite Images
3	cm resolution DEM for lower townsite (flooding)
4	Improved Street network
5	Satellite Imagery of surrounding county
6	contours, elevation,
7	Gas and power utilities
8	Land Classification and Elevation Data
9	detailed DEM, Emergency Hazards, Groundwater, 3D..
10	air photos at a reasonable price
11	unknown as of yet
12	Private utilities: phone, power
13	Orthophotos

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With the release of new versions of GIS on a regular basis, training is one option to help the technical staff make use of the new features, or brush up on their current skills. How often
11. does your technical staff take GIS training?

#	Response
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- | | |
|---|--|
| 1 | Out Source Contractor |
| 2 | Take courses as needed with ESRI |
| 3 | Vendor Software Demos |
| 4 | external - so not up to us |
| 5 | all of the above |
| 6 | as needed through all sources |
| 7 | self teach & use web based course thru vendors |
| 8 | Though Software Supplier/Olds College/Self Teach |

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#	Response
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- | | |
|---|--|
| 1 | No |
| 2 | some questions do not offer enough options. We would like to implement not 'views', but instead, require designers submit 3D.dxf files (at a massing scale), for GIS solar studies, wind modeling, & urban design consultation. Planning Consultation (a GIS as an interactive tool) would be more participatory, therefore more democratic. |
| 3 | not at this time. |
| 4 | It would be interesting to know GIS Projects that have been incorporated by various users. |