STATE GIS Inventory
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4) My GIS status:
   1 – Need to find out more about GIS
   2 – Know what GIS is but not using it yet;
   3 – Beginner GIS user (or some other mapping program) couple times a year;
   4 – Intermediate GIS user, more frequent use;
   5 – Advanced user, use it weekly, doing analysis

Person #	Answer
1	3
2	2
3	3
4	3
5	4
6	4
7	4

8	5
9	3
10	3
11	2
12	3
13	3
14	3
15	4
16	5
17	2
18	2
19	5
20	2
21	1
22	4
23	2
24	4
25	3/4
26	4
27	4
28	2

5) How important is GIS to your department/bureau/program?
        Scale of 1-10 with 10 very important

Person #	1	2	3	4	5	6	7	8	9	10
1										
2						X				
3			X							
4										
5								X		
6									X	
7				X						
8									X	
9	X									
10			X							
11					X					
12									X	
13										
14				X						
15								X		
16										X
17	X									
18							X			

	1	2	3	4	5	6	7	8	9	10
19										X
20	X									
21			X							
22							X			
23	X									
24			X							
25		X								
26					X					
27						X				
28		X								

6) How important should GIS be to your department?
    Scale of 1-10

Person #	1	2	3	4	5	6	7	8	9	10
1										
2								X		
3								X		
4										
5										X
6										X
7								X		
8									X	
9								X		
10					X					
11								X		
12									X	
13										
14								X		
15									X	
16										X
17								X		
18									X	
19										X
20										X
21									X	
22									X	
23					X					
24								X		
25		X								
26					X					
27									X	
28						X				

7) Why is there a difference between questions 5 and 6?

Person #	Answer
1	
2	Money, employee experise
3	Our department is not sure where it is going yet with property tax and other applications with a geographic aspect
4	
5	Lack of knowledge on how to join data for better use. Lack of staff time
6	
7	Understanding, money, training
8	No
9	
10	For more effective presentations and representatives
11	Awareness and capabilities of GIS are not well known in our department
12	
13	
14	Not everyone knows what it can do or how it can help
15	Lack of resources to utilize GIS properly
16	
17	Historic, supervisor concerns about loss of control/content of data costs
18	We only have 1 person to assist the entire department. He does a great job but I think he's overwhelmed.
19	
20	Managers not aware of benefits
21	Current status becoming more knowledgable about how GIS can work for our bureau
22	Management comprehension
23	You explained it - should have data together/tested/usable for disaster response before we have an incident
24	Time, staff, expertise
25	time, technology
26	
27	staff time, understanding of media and its uses
28	Ignorance, inertia - don't appreciate what value it could have, concern & up-front & ongoing costs

8) What software do you use for making maps, or geocoding or analyzing geographic data?

Person #	Answer
1	Mapinfor – used on a very limited basis
2	don't know

3	Arc View 9.2
4	SAS, ArcView
5	ArcView (and even some atlas) only for speed of data replacement
6	ARC GIS
7	ArcView
8	ESRI Products
9	ESRI/ArcMap ArcCatalog
10	for maps & geocoding - ArcGIS
11	We have ArcView but have not used it much, as of yet
12	Arc GIS 9.2
13	Arc GIS
14	Arc GIS, SPSS Maps, have looked at Google Earth
15	ARC Info (10%) & Autocad (90%)
16	ArcView 9.2
17	none currently or spreadsheet analyses
18	ArcGIS 9.2
19	ArcInfo, ArcView
20	
21	
22	ArcView
23	unknown
24	ArcMap
25	ArcMap
26	ArcView
27	ArcView GIS, Adobe Illustrator
28	personally, none

9) What are your current GIS application areas? (ex. Making maps of oil
pipelines, finding locations of houses with lead paint, etc)

Person #	Answer
1	map broadband availability, natural gas pipeline, boundaries of electric utilities, natural gas utilities, transmission system, telephone utilities
2	don't know
3	Geocoding and analyzing sales tax data. Developing better information on property sales to improve the quality at assessments
4	
5	unemployment rates, population, avg. annual wage, metropolitan and micropolitan areas, high-tech industries, aging population
6	commuting patterns, marketing information, sampling, depicting proximity of other labor markets
7	map crimes by cities - not to street level
8	E.M., critical interstructure, planning, map making
9	mapping provider locations

10	Mental health center locations in Iowa
11	none yet
12	
13	maps of medicaid membership by county, maps - satisfaction level by service area, statistical analysis of spatial data
14	thematic maps of consumer/provider locations
15	utilities (fiber) and customer locations
16	mapping archaeological survey areas. Maping cemetary boundaries. Mapping historic structure/inventory locations. Other special projects.
17	Using to display data for stakeholders. Using to identify employers across state by a variety of variables.
18	Unsure - I am looking for ways I should or could be using it
19	Critical/infrastructure location, emergency planning
20	mapping pesticide exposures & type pesticide use etc.
21	I'd like to chart different livestock farms - none yet. Know locations of farms, feral service sightings
22	Endangered species (federally protected ones) pesticide use & water quality.
23	unknown
24	thematic maps of census data, school district data
25	school district enrollments and characteristics
26	population/demographic trends/analysis
27	funding maps, maps of industries, maps of locales for visitors
28	Industry clusters - concentrations of like industries, suppliers, workforce, supporting research & training institutions, transportation & utility networks, etc.

10) What geographic data do you currently use in these applications? (county borders, geographic locations of buildings, etc)

Person #	Answer
1	County borders, cities, MSA, telephone rate centers
2	don't know
3	IDR, sales tax database, property tax "declaration of value" (property sales) records
4	
5	counties, MSAs, Cogs, economic development groupings, statewide, census tracts
6	Zip codes, county borders, US highways, state highways, interstate, city location data
7	cities & counties
8	anything & everything
9	county borders, service areas
10	geographic location of mental health centers
11	none yet
12	
13	zip, county, service area, urban/rural/super-rural

14	mostly county boundaries
15	fiber, customers, roads, counties, incorp. areas, institutions, etc.
16	county borders, quad borders, township/range/section etc.
17	county regions within state mailing addresses
18	unsure
19	
20	Nada
21	none yet
22	county - roads (state & county) rivers/streams, wells - municipal & CWS
23	unknown
24	county, AEA, school district boundaries
25	state, county, school district, some zip code, soon to be buildings
26	county census tracts, city
27	city locale, roadways, counties
28	Industry clusters - concentrations of like industries, suppliers, workforce, suporting research & training institutions, tranportation & utility networks, political boundaries, hydrology

11) What geographic data do you need that you currently don't have? (more accurate building locations, more accurate roadways, etc)

Person #	Answer
1	At some point we may need to map the availability of highspeed internet at the street (house by house) level throughout the state - perhaps at a county level. FCC requesting info @ census tract/block level - in past we have only gone to city level. For transmission lines, it will need to be done based on pole locations then drawing the line between the poles- service territory boundaries would be more at parcel level
2	don't know
3	subcounty boundary files, such as urban renewal area boundaries. Current address data
4	cadastral boundary files
5	Not sure what we lack
6	Updated zipcode data, updated interstate highways and interstate data, wind farms biofuels data (locations)
7	address geo-coding
8	agencies specific information, parcel, detailed roads with addresses, etc.
9	selectable roadways information
10	accurate street addresses
11	Don't know
12	
13	DK
14	accurate address layer to geocode against
15	other utilities (water, gas, sewer, etc.) right-of-way data
16	Accurate address data for geocoding - better placement of structures within a

	block
17	unsure
18	unsure
19	
20	farming ops, chemical usage, accident locations, poisoning locations
21	don't know
22	?
23	unknown
24	accurate building geocodes, property tax information, accurate street files
25	more accurate school building locations
26	
27	roadways, county/city maps/water & sewer, electrical, gas watertables, brownfields, soil types
28	don't know yet

12) Does your application require geocoding of addresses (finding x-y location from street address)? How many addresses do you handle?

Person #	Answer
1	
2	no
3	Yes. For sales tax about 80,000. For property assessments over 1 million.
4	1.3 million
5	so far no - mainly staff level doesn't allow time to take on new projects to depict new information
6	no
7	would like to go to street level
8	anywhere from 20 to 220
9	few hundred to thousands
10	Yes. 33 addresses
11	not yet
12	
13	sometimes - 15,000
14	Yes - we have lots of address data - maybe 1M records or more
15	yes - approximately 3000
16	I do geocoding of addresses and hand place or map those that do not match. I have thousands of recorded structures in our inventory.
17	N/A
18	yes - unsure
19	yes - lots
20	yes - unknown at this time
21	yes - low #'s for now - barring any terrible animal disease outbreak
22	?
23	
24	We would like to geocode school buildings (1,000+)

25	about 1000 school buildings
26	no
27	no
28	don't know yet

13) What level of detail do you currently require of your geographic data?
General locations (state, county, city, census tract/block, etc) to very detailed
(street address, township/rnage/section/QQQQ, etc)

Person #	Answer
1	
2	
3	county, city, urban renewal area, block, depends on project
4	
5	counties, MSAs, Cogs, economic development groupings, statewide, census tracts
6	state, county, city, census tract/block, etc
7	city
8	detailed….best available/possible
9	general locations
10	very detailed
11	none yet
12	
13	zip
14	mostly county/city for now, will eventually want address-level
15	all
16	require/need accurate UTM NAD83 zone 15N x/y coordinates
17	street address minimum
18	unsure
19	both, depending on the theme of the layer
20	not doing currently
21	very detailed
22	general location
23	could need - very detailed
24	mostly by school district
25	
26	general locations
27	general locations
28	probably zipcode and/or census tract level

14) What level of detail would you like to have (if the price were right)?

Person #	Answer

1	
2	The IUB needs to be able to draw lines to the quarter quarter section with details to the foot and inch
3	down to parcel level in some cases
4	
5	Ok as is
6	for now these are sufficient
7	street
8	accurate to the city/county level
9	
10	
11	very detailed
12	
13	zip
14	address level should be good enough for 99% of what we do
15	within a foot
16	would like to have structure placement to be accurate within the block (not all placed at one end of the matching block)
17	unsure
18	
19	both, depending on the theme of the layer
20	very detailed
21	
22	
23	
24	
25	
26	general locations
27	as specific as data allows
28	street address/coordinates, etc.

15) What resources do you need that you don't currently have for GIS use?
- a. GIS software training
- b. Hardware (desktops, GPS, servers, plotters)
- c. Software (is cost a factor?)
- d. Technical assistance
  - i. Data conversion or management
  - ii. Data analysis
  - iii. Cartography or presentation
  - iv. Web distribution of information to public

Person #	A	B	C	D	i.	ii	iii	iv
1	x	x		x				
2	x	x	x					
3	x				x	x	x	x

4							x	
5	Not sure what we have							
6								
7	x	x						
8	x	x		x	x	x	x	x
9					x	x	x	x
10	x			x				
11	x							
12								
13	x			x	x			
14	x		x	x	x	x	x	x
15	x			x	x			x
16	x	?	x	x				x
17	x	x	x		x	x	x	x
18	x	x	x	x	x	x	x	x
19	x		X		x	x	x	x
20	x	x	x	x				
21	x	x	x	x				
22								
23	Don't know what we don't have…or need							
24	x	x	x	x				
25			x	x				
26								
27		x	x	x				
28	x	x	x	x	x	x	x	x

16) How does GIS currently help you to do your job?

Person #	Answer
1	
2	we use it for broadband identification. For gas & electric applications it is not used
3	very limited at this time
4	
5	provides visuals to display data
6	determine labor_____ area, show statewide sampling. Show pockets of skills/experience of workforce. Density of commuters into certain zipcodes by place of residence
7	
8	it's what I do
9	general presentation
10	
11	nothing yet, but will be doing GIS in the future
12	
13	

14	maps are very useful presentation tools
15	support of network (osp, inside plant, engineering, marketing, etc.
16	helps to bring archaeological survey information to those who need it through an OSA (state archaeologist) application (Isites) on an ISU server. Helps me to geocode historic structure locations (x/y) and to map those that do not match etc.
17	N/A
18	
19	
20	N/A
21	
22	graphically illustrate data related to pesticide use and water quality (monitoring results)
23	reference only
24	
25	visual presentation always more meaningful/more easily comprehended than tables of numbers
26	provides another way to present data to our customers
27	make program maps, thematic maps for industry brochures
28	am a user of other agencies GIs - e.g. IWD

17) How much time does GIS save you when doing your job?

Person #	Answer
1	
2	N/A
3	no estimate at this time
4	
5	
6	maybe 4-6 hours/week
7	N/A
8	a lot, especially in an emergency or response phase
9	
10	it will save a lot of time if I have GIS training
11	
12	
13	
14	currently, it costs time because of learning curve
15	
16	I do not have a before and after comparison. My job would be impossible without it
17	N/A
18	
19	
20	N/A

21	
22	
23	at present - insignificant (until something happens)
24	
25	given the infrequency of use it's almost sometimes faster to get out the colored pencils - almost
26	
27	hours
28	don't know

18) How do you think additional help or resources will improve your job or service to the public?

Person #	Answer
1	the public/utilities are frequently looking for maps on the utility boundaries or transmission lines. Currently use paper maps - would be extremely beneficial to have electronic maps
2	it would help us a great deal
3	could do a better job of responding to request for data for subcounty/subcity areas. Could be analyze factor that influence property
4	
5	more visuals provide better understanding of statistical data for most users
6	improve detail, cut cost if another agency already has community data. That would save us a lot of money, by cutting out all of the mailings we must do to obtain commuting information
7	yes
8	better information leads to better decisions…key decision makers rely on our information in emergency
9	presenting providor location/services via th eweb would be very helpful to the public
10	very much - more knowledge will help things go easily
11	help get started with GIS
12	
13	Would be able to adapt data structure to GIS software requirements. TIGER training
14	will help the agency become more efficient planning and delivering resources
15	dissemination of information
16	my office is already in the process of scanning records and photos of historic structures (inventory). We need to bring structure locations and associated records to the public in some sort of web interface application
17	analysis of data, better data acquisition framework, help and distribution of surveillance outcomes useful for determining possible associations that may not readily be apparent from raw data.
18	our local environmental health specialists are mapping well pluggings, restaurants, etc. and we aren't doing anything, I think we should be working with

	them more on these projects.
19	
20	improve surveillance accuracy some time
21	
22	
23	potentially significant
24	could definitely use spatial data to share with public
25	more practical training than the ESRI trainings I've been to
26	
27	improve workflow, access to data that clients are interested in
28	not sure - but it should help

19) Additional comments or questions?

Person #	Answer
1	
2	
3	It would be useful to know what sorts of GIS resources already exist in state government. Inventory of counties that currently have land records in GIS data bases
4	our primary interest is geo-spatial analyses. Maps are secondary
5	
6	
7	
8	good work
9	
10	would like to learn more about GIS tools - especially being a beginner
11	
12	
13	
14	would like to know more about putting it all together. How to manage layer data (Arc Server?) and manage access/security
15	
16	
17	
18	thanks for hosting. I look forward to moving this forward in my division and department. Keep the ideas of what to do coming
19	
20	
21	this was pretty much an informational meeting for me to see how we can apply GIS to the animal industry bureau
22	
23	lots to learn
24	
25	
26	

27	
28	at future meetings, or at separate events, it would be useful to have demo's by agencies of their systems - overlays and how they are used for program operation….