

## *Survey Results*

### *Do you have a GIS?*

<i>Name</i>	<i>Organization</i>	<i>GIS?</i>
Bill Kaiser	USGS/NMD/RMMC	Yes
Bruce Tungwenuk	Sitnasuk Native	YES
Dale Jackson	Kodiak Island Borough	Yes, in an intermediate stage. We are in the process of converting our data from autocad dwg files to arcinfo coverages. But we are running into problems with the positional accuracy of our data. Most of our data was created by digitizing paper copies of plats and of usgs quads, and done without establishing a reliable geodetic control grid for the data. The outlying areas of the road coverage appears to have been digitized from either aerial photography or usgs quad maps. With positional accuracy errors of 20 feet to 250 feet our mapping data is not reliable for engineering purposes.
Dunham/Graves	North Slope Borough Planning	Yes
Harvey Hansen	City of Ketchikan	We are using AutoCAD Map 3 for our parcel and infrastructure mapping. We have AutoCAD World installed, but we are not using it at this time.
Herb Mann	Fairbanks North Star Borough	Yes
John Easton	Bristol Bay Coastal Resource Service Area	Yes
Laurie Springberg	Mat-Su Borough	We do not at this time have a sole GIS department however we do have staff in various departments working on GIS projects

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## *Survey Results*

### *What software do you use?*

<i>Name</i>	<i>Organization</i>	<i>Software</i>
Bill Kaiser	USGS/NMD/RMMC	Arc/Info, Erdas, ArcView.
Bruce Tungwenuk	Sitnasuk Native	PC ARC/INFO 3.5.2, ArcView 3.1, in Windows 98/NT OS, AutoCAD LT 97 for reading purposes
Dale Jackson	Kodiak Island Borough	Arcinfo, Arcview, and Autocad. Currently, most of our data is still autocad.
Dunham/Graves	North Slope Borough Planning	2. ARC/INFO 7.2.1, ArcView 3.1, AutoCAD 14
Harvey Hansen	City of Ketchikan	AutoCAD and Hansen IMS Oracle database for infrastructure management.
Herb Mann	Fairbanks North Star Borough	ArcView
John Easton	Bristol Bay Coastal Resource Service Area	ArcView 3.1
Laurie Springberg	Mat-Su Borough	We use ArcView for GIS applications

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## *Survey Results*

### *Do you automate centerline roads?*

<i>Name</i>	<i>Organization</i>	
Bill Kaiser	USGS/NMD/RMMC	Not at the present time.
Bruce Tungwenuk	Sitnasuk Native	YES
Dale Jackson	Kodiak Island Borough	No, we do not have a centerline coverage at this time.
Dunham/Graves	North Slope Borough Planning	3. Yes
Harvey Hansen	City of Ketchikan	We have an accurate location of City street centerlines.
Herb Mann	Fairbanks North Star Borough	No addressing.
John Easton	Bristol Bay Coastal Resource Service Area	N/A
Laurie Springberg	Mat-Su Borough	Am not sure what you mean by "automate

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## *Survey Results*

### *Do you automate any other representation of roads?*

<i>Name</i>	<i>Organization</i>	
Bill Kaiser	USGS/NMD/RMMC	No.
Bruce Tungwenuk	Sitnasuk Native	YES, physical, ROW and easements
Dale Jackson	Kodiak Island Borough	We maintain the edges of the row along with autocad text annotation for street names. No other attributes are used to describe the road coverage at this time.
Dunham/Graves	North Slope Borough Planning	4. Parcels as boundaries of roads, GPS located roads. We also store roads automated by BPX for the Resource Development District and Transportation Corridor (Haul Road).
Harvey Hansen	City of Ketchikan	We do not
Herb Mann	Fairbanks North Star Borough	No, looking at future addressing. all road shape files are reserved as < 0 >.
John Easton	Bristol Bay Coastal Resource Service Area	N/A
Laurie Springberg	Mat-Su Borough	Same as above

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## *Survey Results*

### *Do you use a unique identifier for the roads?*

<i>Name</i>	<i>Organization</i>	
Bill Kaiser	USGS/NMD/RMMC	We are working with a number of states such as Utah and Georgia on defining a unique identifier for what that particular state considers as an important piece of road. However, it is yet to be determined if the USGS will use an unique identifier for transportation data
Bruce Tungwenuk	Sitnasuk Native	YES, class, symbols used in PC ARC/INFO
Dale Jackson	Kodiak Island Borough	We maintain the edges of the row along with autocad text annotation for street names. No other attributes are used to describe the road coverage at this time.
Dunham/Graves	North Slope Borough Planning	5. No
Harvey Hansen	City of Ketchikan	Yes, we number street segments block by block from north to south and west to east. We use increments of 10 when numbering the segments which will allow for future intersecting streets to be added.
Herb Mann	Fairbanks North Star Borough	At present all road shape files are reserved as < 0 >.
John Easton	Bristol Bay Coastal Resource Service Area	N/A
Laurie Springberg	Mat-Su Borough	Aside from the road name we do not at this time use a unique identifier for the road centerlines in the GIS database but do have a unique identifier in our "road log" that we are working to append to the table data

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## *Survey Results*

### *What do you use your road data for?*

<i>Name</i>	<i>Organization</i>	
Bill Kaiser	USGS/NMD/RMMC	Digital raster graphic revision of topographic maps. DLG-3 baseline transportation data in response to customer requirements. GIS Application projects.
Bruce Tungwenuk	Sitnasuk Native	SNC uses road data in conjunction with Land Management purposes.
Dale Jackson	Kodiak Island Borough	We are currently using our autocad data for thematic mapping purposes only.
Dunham/Graves	North Slope Borough Planning	6. General mapping, Permitting, Zoning, to develop street addresses for buildings, to define the Transportation Corridor for the Haul Road, to set up school bus routes, as a feature to define census blocks, centerlines are used for annotation placement, to calculate distances, to determine easements, etc.
Harvey Hansen	City of Ketchikan	Infrastructure maintenance and cost record keeping.
Herb Mann	Fairbanks North Star Borough	Nothing as of yet
John Easton	Bristol Bay Coastal Resource Service Area	N/A
Laurie Springberg	Mat-Su Borough	currently the only application we are using road centerlines for is for the E-911 system (as a part of that project we are addressing using the centerlines)

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## *Survey Results*

### *What attributes do you have?*

<i>Name</i>	<i>Organization</i>	
Bill Kaiser	USGS/NMD/RMMC	The traditional USGS DLG-3 classification is based on a classification scheme that related to the symbology on the topographic maps. However, we are intereseted in redefining our schema based upon user requirements. The USGS is engaged in pilot transportation projects to determine the feasibility of a minimum baseline national transportation schema.
Bruce Tungwenuk	Sitnasuk Native	SNC classifies roads as centerline adjusted, light duty, un-imporved centerline, un-improved side, trail, abandoned ROW and ROW
Dale Jackson	Kodiak Island Borough	None at present. We will be converting our data to arcinfo coverages, building topology, and establishing attributes in the near future.
Dunham/Graves	North Slope Borough Planning	7. No attributes, all roads are unpaved.
Harvey Hansen	City of Ketchikan	have the road surface type, width, parcel addresses, ownership, etc.
Herb Mann	Fairbanks North Star Borough	None (For example, paved road, gravel road, address information, etc.)
John Easton	Bristol Bay Coastal Resource Service Area	N/A
Laurie Springberg	Mat-Su Borough	we have address ranges, community codes and emergency response codes. Once we have the road log number appended we will be able to add additional information

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## *Survey Results*

### *What attributes do you wish you had?*

<i>Name</i>	<i>Organization</i>	
Bill Kaiser	USGS/NMD/RMMC	We are interested in adding names and address ranges.
Bruce Tungwenuk	Sitnasuk Native	SNC desires to coordinate enter light duty centerlines, light duty sides, light duty paved, road monuments and are currently working on a project of this scope for the Nome area.
Dale Jackson	Kodiak Island Borough	We will be reviewing this in the near future along with the City of Kodiak Public Works Department. I would anticipate that attributes such as Street Name, Street Direction (East or North etc), Street Suffix (Way or Road, or Circle etc) , Road Service District, Fire Service District, Police Service Area, Road Surface Type (paved, unpaved), Date placed in Service, Date of Last Maintenance, Who maintains (State, City...), Street Class, Speed Limit, Voting Precinct, School, Address Range (from _address to _address for a road segment), Milepost
Dunham/Graves	North Slope Borough Planning	8. If all of the road layers were consolidated into a single data layer, it would be good to code roads, trails and ice roads. In addition, it would be appropriate to include the source for every line segment.
Harvey Hansen	City of Ketchikan	We are providing all the attributes we feel we need.
Herb Mann	Fairbanks North Star Borough	
John Easton	Bristol Bay Coastal Resource Service Area	Roads
Laurie Springberg	Mat-Su Borough	speed and terrain info

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## Survey Results

### What is the positional accuracy of your roads data?

<i>Name</i>	<i>Organization</i>	
Bill Kaiser	USGS/NMD/RMMC	National map Accuracy Standards.
Bruce Tungwenuk	Sitnasuk Native	Positional accuracy varies according to source used.
Dale Jackson	Kodiak Island Borough	We will be reviewing this in the near future along with the City of Kodiak Public Works Department. I would anticipate that attributes such as Street Name, Street Directon (East or North etc), Street Suffix (Way or Road, or Circle etc) , Road Service District, Fire Service District, Police Service Area, Road Surface Type (paved, unpaved), Date placed in Service, Date of Last Maintenance, Who maintains (State, City...), Street Class, Speed Limit, Voting Precinct, School, Address Range (from_address to_address for a road segment), Milepost
Dunham/Graves	North Slope Borough Planning	9. Unknown, some data is COGO'd from surveyed plats, some data has been GPS located, some data is compiled from aerial photography, and some data was developed by BPX.
Harvey Hansen	City of Ketchikan	+ 1.5 feet
Herb Mann	Fairbanks North Star Borough	+/-20' 20'
John Easton	Bristol Bay Coastal Resource Service Area	N/A
Laurie Springberg	Mat-Su Borough	positional accuracy is fair

## *Survey Results*

### *What scale is your data?*

<i>Name</i>	<i>Organization</i>	
Bill Kaiser	USGS/NMD/RMMC	1:25,000 and 1:63,360 in Alaska.
Bruce Tungwenuk	Sitnasuk Native	Scale is currently USGS typical 1:63360, however, scale is dependent on source used.
Dale Jackson	Kodiak Island Borough	We generally plot maps at scales of 1 inch = 100 ft to 1 inch = 400 feet. The larger area maps can be at much larger scales of 1 inch = 10 miles.
Dunham/Graves	North Slope Borough Planning	10. Scale varies: 1:63000, 1:2400, 1:5000, and COGO.
Harvey Hansen	City of Ketchikan	Typically 1"=3D200', but plots can be made at any scale.
Herb Mann	Fairbanks North Star Borough	N/A
John Easton	Bristol Bay Coastal Resource Service Area	N/A
Laurie Springberg	Mat-Su Borough	1:1

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## *Survey Results*

### *What is the data source?*

<i>Name</i>	<i>Organization</i>	
Bill Kaiser	USGS/NMD/RMMC	In the past, we have done baseline mapping through field and photogrammetric means. The DLG=27s were collected from USGS topographic quads. We are interested in using DOQ=27s along with local agency data to come up with a cost efficient method of revising trans data.
Bruce Tungwenuk	Sitnasuk Native	New data sources have been Alaska DOTPF
Dale Jackson	Kodiak Island Borough	Much of our original data was digitized off of paper plats and usgs quad maps. The resulting base that was produced was laden with error by compounding drafting errors with mapping errors, and then again with other errors resulting from the stretch of the paper copies. With the integrity of the resulting base being as such and since we do not have a control grid to hold to, we have been unable to implement any better integrity from newer subsequent surveys. We have had to make the subsequent surveys "fit" into the original corrupted base, thus losing the integrity of the newer surveys.
Dunham/Graves	North Slope Borough Planning	11. Plats, GPS locations, aerial photography, digitized data from USGS quads
Harvey Hansen	City of Ketchikan	Topographic maps were digitized from controlled aerial photos in 1984. This data can be overlaid on the digital orthophotos produced in 1998.
Herb Mann	Fairbanks North Star Borough	Autocad parcel input
John Easton	Bristol Bay Coastal Resource Service Area	N/A
Laurie Springberg	Mat-Su Borough	GPS, plats, tax maps in AutoCAD format

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## *Survey Results*

### *What is the extent of your coverage?*

<i>Name</i>	<i>Organization</i>	
Bill Kaiser	USGS/NMD/RMMC	Incomplete for Alaska...see Lee Aggers for specific details.
Bruce Tungwenuk	Sitnasuk Native	Primarily Nome
Dale Jackson	Kodiak Island Borough	Our mapping data encompasses all of the Kodiak Island Borough which includes the Barron Islands to the north, to Chirikof Island and the Semidi Islands to the south, to Mt. Katmai and a portion of the eastern drainage of the Alaska Peninsula on the west. The road system coverage only extends northly of the City of Kodiak about 10 Miles, and then southerly to both Chiniak and Pasagshak (both are approximately 50 miles south of the City of Kodiak); and then northwesterly approximately 11 miles from the Kodiak State Airport to Anton Larsen Bay.
Dunham/Graves	North Slope Borough Planning	12. Area wide data for the Slope includes data layers within each of the 8 villages, the Resource Development District and the transportation Corridor (Haul Road).
Harvey Hansen	City of Ketchikan	Entire City Limits.
Herb Mann	Fairbanks North Star Borough	FNSB
John Easton	Bristol Bay Coastal Resource Service Area	None
Laurie Springberg	Mat-Su Borough	Borough wide

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## *Survey Results*

*Do you have complete coverage of your borough or area of interest?*

<i>Name</i>	<i>Organization</i>	
Bill Kaiser	USGS/NMD/RMMC	No
Bruce Tungwenuk	Sitnasuk Native	NO, SNC withdrawal boundary only, however, SNC is obtaining more detailed regional data from Alaska DNR and plan to update this data according to client needs.
Dale Jackson	Kodiak Island Borough	Our mapping data encompasses all of the Kodiak Island Borough which includes the Barron Islands to the north, to Chirikof Island and the Semidi Islands to the south, to Mt. Katmai and a portion of the eastern drainage of the Alaska Peninsula on the west. The road system coverage only extends northly of the City of Kodiak about 10 Miles, and then southerly to both Chiniak and Pasagshak (both are approximately 50 miles south of the City of Kodiak); and then northwesterly approximately 11 miles from the Kodiak State Airport to Anton Larsen Bay.
Dunham/Graves	North Slope Borough Planning	13. Incomplete
Harvey Hansen	City of Ketchikan	Parcel maps and topography are complete, digital orthophotos can be generated from existing photos taken in August 1997, but only the City Limits have been completed to date.
Herb Mann	Fairbanks North Star Borough	Yes
John Easton	Bristol Bay Coastal Resource Service Area	No, However we will be collecting data for our region after we learn more about AGDC and the data their web site.
Laurie Springberg	Mat-Su Borough	80 -90 percent

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## *Survey Results*

### *Do you want to be a member of the subcommittee or just get results?*

<i>Name</i>	<i>Organization</i>	
Bill Kaiser	USGS/NMD/RMMC	Yes, see Lee Aggers
Bruce Tungwenuk	Sitnasuk Native	YES
Dale Jackson	Kodiak Island Borough	Yes
Dunham/Graves	North Slope Borough Planning	14. Do not wish to be an active member. However, we would like to be notified of the results of the committee and if funding is available to local governments wishing to develop road data to meet FDGC standards.
Harvey Hansen	City of Ketchikan	Yes, I would be interested
Herb Mann	Fairbanks North Star Borough	
John Easton	Bristol Bay Coastal Resource Service Area	We are interested in participating in this project. contacted Kerry Kirpatrick and asked him about the workshop, he gave me information about DGPS technology.
Laurie Springberg	Mat-Su Borough	am at this time a temporary employee but would like to be notified of meetings and results. Believe the Mat-Su Borough would like to be kept kept abreast and would like more information on what membership would entail.

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