Profile Summary of Highest Percentage Responses

	Q1. In what form do you use or interact with raw digital Basemap data? Please select one of the following.	
Profile Group	Response:	Response Percent
Cumulative	All of the above	53.3%
	Q2. Please indicate below what applications you use digital imagery and/or elevation data for. Please select those that apply below.	
Profile Group	Response:	Response Percent
Native	Land Management	100.0%
Federal	Land Management	100.0%
State	Land Management	63.5%
Local	Cadastral / Land Records	100.0%
Private	GIS and related consulting	84.60%
Military	Environmental analysis and mapping	100.0%
Utility	Engineering (multidisciplinary)	80.0%
Academic	Earth sciences: mapping, research	83.3%
	Academic Research	83.3%
	Climate change/Detection	83.3%
Non-Profit	Land Cover Mapping (wetlands, vegetation mapping)	100.0%
	Environmental analysis and mapping	100.0%
Cumulative	Land Management	60.7%
	Q3. How do you use the data in a technical sense? Please select those that apply below.	
	Response:	Response Percent
Cumulative	Basic mapping (simple basemap, navigation, other)	88.7%
	Q4. What region of Alaska do you or your organization primarily conduct operations? Please select one of the following.	
	Response:	Response Percent
Cumulative	All of the above - Statewide	42.0%
	Q5. Preferred imagery formats and delivery methods: which of the following methods do you prefer? Please select one or more of the following.	
	Response:	Response Percent
Cumulative	Full resolution (e.g. geotiff)	67.1%
	Q6. Please prioritize these aspects of basemap data that you consider most important for your work.	
	Response:	Highest priority
Cumulative	Spatial resolution	91

	Q7. What areas should SDMI focus acquisition of digital imagery and/or elevation on? Please specify below.	
	Response:	Response Percent
Native	Villages	75.0%
	Land management areas, e.g. Native corporate regions, National Petroleum Reserve Alas	75.0%
Federal	Villages	75.0%
	Land management areas, e.g. Native corporate regions, National Petroleum Reserve Alas	75.0%
State	River corridors	38.8%
	All of the above	38.8%
Local	Urban,concentrated areas (i.e. cities)	58.3%
	Highway corridors (e.g. Parks highway, etc.)	41.7%
Private	All of the above	52.0%
	Villages	40.0%
Military	Urban,concentrated areas (i.e. cities)	50.0%
	All of the above	50.0%
Utility	Highway corridors (e.g. Parks highway, etc.)	80.0%
	Urban,concentrated areas (i.e. cities)	80.0%
Academic	Environmentally sensitive areas, e.g. wetland, floodplains, habitat zones	66.7%
	Conservation management areas, e.g. parks, refuges,national monuments, etc.	33.3%
Non-Profit	River corridors	66.7%
	Economic corridors (e.g. pipeline route, mine access road, etc.)	66.7%
	Highway corridors (e.g. Parks highway, etc.)	66.7%
	Urban,concentrated areas (i.e. cities)	66.7%
	Environmentally sensitive areas, e.g. wetland, floodplains, habitat zones	66.7%
	Coastal areas	66.7%
	All of the above	66.7%
Cumulative	All of the above	46.8%

Q8. Imagery resolution needs are typically driven by the features that users need to draw. Please check the features below that you typically capture.

	Response:	Response Percent
Native	Parcel/property boundaries	100.0%
Federal	Parcel/property boundaries	100.0%
State	Hydrographic features (discrete, e.g. river banks, ponds,discrete coastlines, etc.)	75.5%
Local	Houses and building footprints	83.3%
	Parcel/property boundaries	83.3%
Private	Hydrographic features (discrete, e.g. river banks, ponds,discrete coastlines, etc.)	68.0%
Military	Utilities e.g. hydrants, electric power pole	100.0%
	Road center lines	100.0%
	Parking lots/impervious surface	100.0%
	Houses and building footprints	100.0%
Utility	Utilities e.g. hydrants, electric power pole	100.0%
	Road center lines	100.0%
	Hydrographic features (discrete, e.g. river banks, ponds,discrete coastlines, etc.)	100.0%
	Major roads & intersections	100.0%
	Hydrographic features (discrete, e.g. river banks, ponds,discrete coastlines, etc.)	
Academic		83.3%
Non-Profit	Wetland boundaries (discrete, e.g. ¼ acre per COE, EPA)	100.0%
	Hydrographic features (discrete, e.g. river banks, ponds,discrete coastlines, etc.)	100.0%
Cumulative	Hydrographic features (discrete, e.g. river banks, ponds,discrete coastlines, etc.)	75.2%

	Q9. A commonly used product from digital elevation data are topographic contours. Typically, design level topo contours are 2 feet interval, urban mapping topo are 4 feet interval, 1:24,000 mapping topo intervals are 10, 20 feet contours, and so on. Using contours as a guideline, please prioritize your preferences on elevation resolution by selecting one of the following intervals below.	
	Response:	Response Percent
Native	2 ft. contours (typically Route location, preliminary alignment and design)	50.0%
	10 ft. contours (High-gradient terrain, low unit cost earthwork excavation estimates)	50.0%
Federal	2 ft. contours (typically Route location, preliminary alignment and design)	50.0%
	10 ft. contours (High-gradient terrain, low unit cost earthwork excavation estimates)	50.0%
	20--30 ft. contours (typical moderate resolution USGS topographic maps,	
State	geologic/exploration mapping, etc.)	34.7%
Local	2 ft. contours (typically Route location, preliminary alignment and design)	50.0%
	4 ft. contours (typically urban planning, preliminary project planning, hydraulic sections,	
Private	rough earthwork estimates)	36.0%
Military	2 ft. contours (typically Route location, preliminary alignment and design)	75.0%
Utility	2 ft. contours (typically Route location, preliminary alignment and design)	80.0%
	10 ft. contours (High-gradient terrain, low unit cost earthwork excavation estimates)	
Academic		33.3%
Non-Profit	2 ft. contours (typically Route location, preliminary alignment and design)	66.7%
Cumulative	10 ft. contours (High-gradient terrain, low unit cost earthwork excavation estimates)	25.5%
	2 ft. contours (typically Route location, preliminary alignment and design)	22.7%
	20--30 ft. contours (typical moderate resolution USGS topographic maps, geologic/explor	20.6%

Q10. If you have worked with digital elevation models (DEM), and know what kind of resolution you need, please select your preference below.

	Response:	Response Percent
Native	1/9-arc-second (3 meters)	66.7%
Federal	1/9-arc-second (3 meters)	66.7%
State	1/3-arc-second (10 meters)	48.3%
Local	1/9-arc-second (3 meters)	83.3%
Private	1/3-arc-second (10 meters)	47.1%
	1/9-arc-second (3 meters)	47.1%
Military	1/3-arc-second (10 meters)	50.0%
	1/9-arc-second (3 meters)	50.0%
Utility	1/9-arc-second (3 meters)	100.0%
Academic	1/9-arc-second (3 meters)	60.0%
Non-Profit	1/9-arc-second (3 meters)	100.0%
Cumulative	1/9-arc-second (3 meters)	47.9%
	1/3-arc-second (10 meters)	41.7%

Q11. If a refresh of digital elevation data is to be made available, how frequently should it be refreshed? (Note, that Alaska USGS topo maps are often based on 40 year and older elevation data).

	Response:	Response Percent
Native	10 years	75.0%
	20 years	25.0%
Federal	10 years	75.0%
	20 years	25.0%
State	10 years	38.8%
	20 years	22.4%
Local	10 years	41.7%
	5 years	33.3%
Private	10 years	36.0%
	15 years	24.0%
Military	10 years	75.0%
	20 years	25.0%
Utility	5 years	40.0%
	10 years	40.0%
Academic	5 years	33.3%
	10 years	33.3%
Non-Profit	10 years	66.7%
Cumulative	10 years	37.6%

	Q12. If digital imagery is made available, how frequently should this data be refreshed? Please select how often you think imagery should be refreshed below.	
	Response:	Response Percent
Native	Every three years	50.0%
	Every five years	25.0%
Federal	Every three years	50.0%
	Every five years	25.0%
State	Every three years	32.7%
	Annually	20.4%
Local	Every three years	41.7%
	Every five years	25.0%
Private	Every three years	28.0%
	Every five years	28.0%
Military	Annually	50.0%
	Every five years	25.0%
Utility	Annually	60.0%
	Every three years	40.0%
Academic	Annually	33.3%
	Every three years	16.7%
Non-Profit	Every three years	66.7%
Cumulative	Every three years	27.7%
	Every five years	24.8%

Cumulative Results

Q1. In what form do you use or interact with raw digital Basemap data? Please select one of the following.

Response:	Response Percent	Response Count
All of the above	53.3%	80
I use already processed data or product,and derive another value added product from it	14.7%	22
Primary, critical data set used for mapping, feature identification, or assessment.	12.0%	18
A graphical background used to present information	8.0%	12
Vicinity area data used to co-register or co-locate other geo-referenced data and information	5.3%	8
I process the raw data into higher level products	4.0%	6
Supplemental data or information supporting more primary sources of data and information	2.7%	4
Primary, critical data set used for mapping, feature identification, or assessment.		

Q2. Please indicate below what applications you use digital imagery and/or elevation data for. Please select those that apply below.

Response:	Response Percent	Response Count
Land Management	60.7%	91
Environmental analysis and mapping	58.7%	88
GIS and related consulting	52.7%	79
Land Cover Mapping (wetlands, vegetation mapping)	48.0%	72
Earth sciences: mapping, research	42.0%	63
Water Resources Management	35.3%	53
Transportation & Infrastructure development and planning	35.3%	53
Cadastral / Land Records	30.7%	46
Engineering (multidisciplinary)	29.3%	44
Regional planning	27.3%	41
Coastal & Ocean mapping	26.0%	39
Climate change/Detection	26.0%	39
Forestry management	24.0%	36
Fisheries management	23.3%	35
Emergency Response & other Public Safety	23.3%	35
Surveying	22.7%	34
Urban (city, other) planning	22.7%	34
Disaster planning	22.7%	34
Fire Hazard Planning & Wildfire Response	21.3%	32
Preliminary engineering	20.7%	31
Property Appraisal / Real Estate	20.0%	30
Energy (oil,gas,other)exploration	19.3%	29
Energy (oil,gas,other)development	18.0%	27
Mining exploration	18.0%	27
Design	16.7%	25
Academic Research	16.0%	24
Aviation Safety	14.7%	22
Mining development	13.3%	20
Other	12.7%	19
Business Demographics	8.0%	12

Q3. How do you use the data in a technical sense? Please select those that apply below.

Response:	Response Percent	Response Count
Basic mapping (simple basemap, navigation, other)	88.7%	133
Advanced mapping (analysis, other)	72.7%	109
Visualization (3D, other)	55.3%	83
Remote sensing	42.0%	63
Surveying	18.0%	27
Design (in CAD, other)	16.0%	24
N/A	3.3%	5

Q4. What region of Alaska do you or your organization primarily conduct operations? Please select one of the following.

Response:	Response Percent	Response Count
All of the above - Statewide	42.0%	63
Southcentral	34.7%	52
Interior	18.0%	27
Southeast	16.0%	24
North Slope	15.3%	23
Southwest	12.0%	18
Northwest	10.0%	15
Aleutians	4.7%	7
Bering Sea	4.0%	6

Q5. Preferred imagery formats and delivery methods: which of the following methods do you prefer? Please select one or more of the following.

Response:	Response Percent	Response Count
Full resolution (e.g. geotiff)	67.1%	98
Via the Internet (e.g. Web Mapping Service)	48.6%	71
Compressed formats (e.g. MrSid)	45.9%	67
Locally stored	41.8%	61
Other	11.6%	17

Q6. Please prioritize these aspects of basemap data that you consider most important for your work.

Response:	Highest priority	Moderate priority	Lowest priority	Not needed	Don't know	Rating Average	Response Count
Existence of archive of older imagery	17	61	47	11	2	2.42	138
Interoperability	25	75	19	4	15	2.34	138
Frequent (e.g.annual) acquisition of data	26	61	42	8	3	2.29	140
Ease of use	50	60	21	4	2	1.89	137
Data has metadata or is documented well	78	44	17	0	0	1.56	139
Having a georeferenced base (absolute accuracy)	89	44	7	0	0	1.41	140
Spatial resolution	91	47	3	0	0	1.38	141

Q7. What areas should SDMI focus acquisition of digital imagery and/or elevation on? Please specify below.

Response:	Response Percent	Response Count
All of the above	46.8%	66
River corridors	29.1%	41
Villages	29.1%	41
Highway corridors (e.g. Parks highway, etc.)	27.0%	38
Urban,concentrated areas (i.e. cities)	26.2%	37
Environmentally sensitive areas, e.g. wetland, floodplains, habitat zones	24.8%	35
Coastal areas	24.8%	35
Economic corridors (e.g. pipeline route, mine access road, etc.)	21.3%	30
Conservation management areas, e.g. parks, refuges,national monuments, etc.	14.2%	20
Land management areas, e.g. Native corporate regions, National Petroleum Reserve Alaska, etc.	14.2%	20
Forest management areas	10.6%	15

Q8. Imagery resolution needs are typically driven by the features that users need to draw. Please check the features below that you typically capture.

Response:	Response Percent	Response Count
Hydrographic features (discrete, e.g. river banks, ponds,discrete coastlines, etc.)	75.2%	106
General hydrographic features (e.g. broad outlines of rivers, coastline)	55.3%	78
Vegetation, landcover, e.g. forest stands	53.2%	75
Parcel/property boundaries	51.8%	73
Wetland boundaries (discrete, e.g. ¼ acre per COE, EPA)	50.4%	71
Major roads & intersections	48.9%	69
General wetlands	47.5%	67
Road center lines	46.1%	65
Houses and building footprints	34.8%	49
Geologic (e.g. unit mapping)	31.9%	45
Utilities e.g. hydrants, electric power pole	31.2%	44
Pipelines	30.5%	43
Tree canopies	27.0%	38
Mining	26.2%	37
Commercial buildings	24.8%	35
Parking lots/impervious surface	24.1%	34
Agricultural	10.6%	15
Pivot irrigation	2.8%	4

Q9. A commonly used product from digital elevation data are topographic contours. Typically, design level topo contours are 2 feet interval, urban mapping topo are 4 feet interval, 1:24,000 mapping topo intervals are 10, 20 feet contours, and so on. Using contours as a guideline, please prioritize your preferences on elevation resolution by selecting one of the following intervals below.

Response:	Response Percent	Response Count
10 ft. contours (High-gradient terrain, low unit cost earthwork excavation estimates)	25.5%	36
2 ft. contours (typically Route location, preliminary alignment and design)	22.7%	32
20--30 ft. contours (typical moderate resolution USGS topographic maps, geologic/exploration map	20.6%	29
4 ft. contours (typically urban planning, preliminary project planning, hydraulic sections, rough earl	18.4%	26
>50 ft. contours	1.4%	2
30-50 ft. contours	0.0%	0

Q10. If you have worked with digital elevation models (DEM), and know what kind of resolution you need, please select your preference below.

Response:	Response Percent	Response Count
1/9-arc-second (3 meters)	47.9%	46
1/3-arc-second (10 meters)	41.7%	40
1-arc-second (30 meters)	10.4%	10

Q11. If a refresh of digital elevation data is to be made available, how frequently should it be refreshed? (Note, that Alaska USGS topo maps are often based on 40 year and older elevation data).

Response:	Response Percent	Response Count
10 years	37.6%	53
20 years	21.3%	30
15 years	18.4%	26
5 years	17.0%	24
Other	4.3%	6
50 years	1.4%	2

Q12. If digital imagery is made available, how frequently should this data be refreshed? Please select how often you think imagery should be refreshed below.

Response:	Response Percent	Response Count
Every three years	27.7%	39
Every five years	24.8%	35
Annually	18.4%	26
Every five to ten years	12.1%	17

Native

Q1. In what form do you use or interact with raw digital Basemap data? Please select one of the following.

Response:	Response Percent	Response Count
I use already processed data or product,and derive another value added product from it	25.0%	1
Vicinity area data used to co-register or co-locate other geo-referenced data and information	25.0%	1
A graphical background used to present information	25.0%	1
All of the above	25.0%	1

Q2. Please indicate below what applications you use digital imagery and/or elevation data for. Please select those that apply below.

Response:	Response Percent	Response Count
Land Management	100.0%	4
Energy (oil,gas,other)exploration	75.0%	3
Energy (oil,gas,other)development	75.0%	3
Mining exploration	75.0%	3
Environmental analysis and mapping	75.0%	3
GIS and related consulting	75.0%	3
Regional planning	75.0%	3
Cadastral / Land Records	75.0%	3
Mining development	50.0%	2
Engineering (multidisciplinary)	50.0%	2
Surveying	50.0%	2
Transportation & Infrastructure development and planning	50.0%	2
Property Appraisal / Real Estate	50.0%	2
Fire Hazard Planning & Wildfire Response	50.0%	2
Fisheries management	25.0%	1
Forestry management	25.0%	1
Earth sciences: mapping, research	25.0%	1
Urban (city, other) planning	25.0%	1
Land Cover Mapping (wetlands, vegetation mapping)	25.0%	1

Federal

Q1. In what form do you use or interact with raw digital Basemap data? Please select one of the following.

Response:	Response Percent	Response Count
I use already processed data or product,and derive another value added product from it	25.0%	1
Vicinity area data used to co-register or co-locate other geo-referenced data and information	25.0%	1
A graphical background used to present information	25.0%	1
All of the above	25.0%	1

Q2. Please indicate below what applications you use digital imagery and/or elevation data for. Please select those that apply below.

Response:	Response Percent	Response Count
Land Management	100.0%	4
Energy (oil,gas,other)exploration	75.0%	3
Energy (oil,gas,other)development	75.0%	3
Mining exploration	75.0%	3
Environmental analysis and mapping	75.0%	3
GIS and related consulting	75.0%	3
Regional planning	75.0%	3
Cadastral / Land Records	75.0%	3
Mining development	50.0%	2
Engineering (multidisciplinary)	50.0%	2
Surveying	50.0%	2
Transportation & Infrastructure development and planning	50.0%	2
Property Appraisal / Real Estate	50.0%	2
Fire Hazard Planning & Wildfire Response	50.0%	2
Fisheries management	25.0%	1
Forestry management	25.0%	1
Earth sciences: mapping, research	25.0%	1
Urban (city, other) planning	25.0%	1
Land Cover Mapping (wetlands, vegetation mapping)	25.0%	1

State

Q1. In what form do you use or interact with raw digital Basemap data? Please select one of the following.

Response:	Response Percent	Response Count
All of the above	40.4%	21
I use already processed data or product,and derive another value added product from it	19.2%	10
Primary, critical data set used for mapping, feature identification, or assessment.	13.5%	7
A graphical background used to present information	9.6%	5
I process the raw data into higher level products	7.7%	4
Vicinity area data used to co-register or co-locate other geo-referenced data and information	5.8%	3
Supplemental data or information supporting more primary sources of data and information	3.8%	2

Q2. Please indicate below what applications you use digital imagery and/or elevation data for. Please select those that apply below.

Response:	Response Percent	Response Count
Land Management	63.5%	33
Environmental analysis and mapping	44.2%	23
Land Cover Mapping (wetlands, vegetation mapping)	36.5%	19
GIS and related consulting	32.7%	17
Earth sciences: mapping, research	28.8%	15
Transportation & Infrastructure development and planning	28.8%	15
Water Resources Management	26.9%	14
Regional planning	21.2%	11
Energy (oil,gas,other)exploration	19.2%	10
Engineering (multidisciplinary)	17.3%	9
Surveying	17.3%	9
Mining exploration	15.4%	8
Fisheries management	15.4%	8
Coastal & Ocean mapping	15.4%	8
Cadastral / Land Records	13.5%	7
Property Appraisal / Real Estate	13.5%	7
Emergency Response & other Public Safety	13.5%	7
Design	13.5%	7
Other	13.5%	7
Energy (oil,gas,other)development	11.5%	6
Mining development	11.5%	6
Forestry management	11.5%	6
Urban (city, other) planning	11.5%	6
Disaster planning	9.6%	5
Preliminary engineering	9.6%	5
Aviation Safety	7.7%	4
Fire Hazard Planning & Wildfire Response	7.7%	4
Climate change/Detection	7.7%	4
Academic Research	5.8%	3
Business Demographics	3.8%	2

Local

Q1. In what form do you use or interact with raw digital Basemap data? Please select one of the following.

Response:	Response Percent	Response Count
All of the above	41.7%	5
I use already processed data or product,and derive another value added product from it	25.0%	3
Primary, critical data set used for mapping, feature identification, or assessment.	25.0%	3
A graphical background used to present information	8.3%	1

Q2. Please indicate below what applications you use digital imagery and/or elevation data for. Please select those that apply below.

Response:	Response Percent	Response Count
Cadastral / Land Records	100.0%	12
Urban (city, other) planning	91.7%	11
Land Management	91.7%	11
Emergency Response & other Public Safety	75.0%	9
Disaster planning	75.0%	9
GIS and related consulting	66.7%	8
Transportation & Infrastructure development and planning	66.7%	8
Property Appraisal / Real Estate	66.7%	8
Water Resources Management	58.3%	7
Regional planning	58.3%	7
Land Cover Mapping (wetlands, vegetation mapping)	58.3%	7
Engineering (multidisciplinary)	50.0%	6
Fire Hazard Planning & Wildfire Response	50.0%	6
Preliminary engineering	50.0%	6
Environmental analysis and mapping	41.7%	5
Surveying	41.7%	5
Earth sciences: mapping, research	41.7%	5
Coastal & Ocean mapping	41.7%	5
Design	25.0%	3
Energy (oil,gas,other)exploration	16.7%	2
Forestry management	16.7%	2
Business Demographics	16.7%	2
Energy (oil,gas,other)development	8.3%	1
Mining exploration	8.3%	1
Mining development	8.3%	1
Fisheries management	8.3%	1
Aviation Safety	8.3%	1
Climate change/Detection	8.3%	1
Other	8.3%	1

Private

Q1. In what form do you use or interact with raw digital Basemap data? Please select one of the following.

Response:	Response Percent	Response Count
All of the above	65.4%	17
I use already processed data or product,and derive another value added product from it	7.7%	2
Primary, critical data set used for mapping, feature identification, or assessment.	7.7%	2
Vicinity area data used to co-register or co-locate other geo-referenced data and information	7.7%	2
I process the raw data into higher level products	3.8%	1
Supplemental data or information supporting more primary sources of data and information	3.8%	1
A graphical background used to present information	3.8%	1

Q2. Please indicate below what applications you use digital imagery and/or elevation data for. Please select those that apply below.

Response:	Response Percent	Response Count
GIS and related consulting	84.6%	22
Environmental analysis and mapping	76.9%	20
Land Cover Mapping (wetlands, vegetation mapping)	65.4%	17
Mining exploration	53.8%	14
Earth sciences: mapping, research	53.8%	14
Energy (oil,gas,other)exploration	50.0%	13
Engineering (multidisciplinary)	50.0%	13
Land Management	50.0%	13
Energy (oil,gas,other)development	46.2%	12
Transportation & Infrastructure development and planning	46.2%	12
Coastal & Ocean mapping	42.3%	11
Water Resources Management	38.5%	10
Urban (city, other) planning	38.5%	10
Regional planning	38.5%	10
Forestry management	34.6%	9
Preliminary engineering	34.6%	9
Climate change/Detection	34.6%	9
Mining development	30.8%	8
Fisheries management	30.8%	8
Cadastral / Land Records	26.9%	7
Academic Research	26.9%	7
Surveying	23.1%	6
Fire Hazard Planning & Wildfire Response	23.1%	6
Disaster planning	23.1%	6
Aviation Safety	19.2%	5
Design	19.2%	5
Emergency Response & other Public Safety	15.4%	4
Property Appraisal / Real Estate	11.5%	3
Business Demographics	11.5%	3
Other	11.5%	3

Military

Q1. In what form do you use or interact with raw digital Basemap data? Please select one of the following.

Response:	Response Percent	Response Count
A graphical background used to present information	40.0%	2
All of the above	40.0%	2
Primary, critical data set used for mapping, feature identification, or assessment.	20.0%	1

Q2. Please indicate below what applications you use digital imagery and/or elevation data for. Please select those that apply below.

Response:	Response Percent	Response Count
Environmental analysis and mapping	100.0%	5
Surveying	80.0%	4
Transportation & Infrastructure development and planning	80.0%	4
Land Management	80.0%	4
Aviation Safety	80.0%	4
Emergency Response & other Public Safety	80.0%	4
Engineering (multidisciplinary)	60.0%	3
Disaster planning	60.0%	3
Design	60.0%	3
GIS and related consulting	40.0%	2
Earth sciences: mapping, research	40.0%	2
Water Resources Management	40.0%	2
Urban (city, other) planning	40.0%	2
Cadastral / Land Records	40.0%	2
Preliminary engineering	40.0%	2
Land Cover Mapping (wetlands, vegetation mapping)	40.0%	2
Property Appraisal / Real Estate	20.0%	1
Fire Hazard Planning & Wildfire Response	20.0%	1

Utility

Q1. In what form do you use or interact with raw digital Basemap data? Please select one of the following.

Response:	Response Percent	Response Count
I use already processed data or product,and derive another value added product from it	20.0%	1
Primary, critical data set used for mapping, feature identification, or assessment.	20.0%	1
Vicinity area data used to co-register or co-locate other geo-referenced data and information	20.0%	1
Supplemental data or information supporting more primary sources of data and information	20.0%	1
A graphical background used to present information	20.0%	1

Q2. Please indicate below what applications you use digital imagery and/or elevation data for. Please select those that apply below.

Response:	Response Percent	Response Count
Engineering (multidisciplinary)	80.0%	4
Environmental analysis and mapping	60.0%	3
Design	60.0%	3
Preliminary engineering	60.0%	3
Cadastral / Land Records	40.0%	2
Land Cover Mapping (wetlands, vegetation mapping)	40.0%	2
Other	40.0%	2
Energy (oil,gas,other)development	20.0%	1
Earth sciences: mapping, research	20.0%	1
Urban (city, other) planning	20.0%	1
Regional planning	20.0%	1
Land Management	20.0%	1
Property Appraisal / Real Estate	20.0%	1
Fire Hazard Planning & Wildfire Response	20.0%	1
Disaster planning	20.0%	1
Business Demographics	20.0%	1

Academic

Q1. In what form do you use or interact with raw digital Basemap data? Please select one of the following.

Response:	Response Percent	Response Count
All of the above	100.0%	6
I process the raw data into higher level products	0.0%	0
I use already processed data or product,and derive another value added product from it	0.0%	0
Primary, critical data set used for mapping, feature identification, or assessment.	0.0%	0
Vicinity area data used to co-register or co-locate other geo-referenced data and information	0.0%	0
Supplemental data or information supporting more primary sources of data and information	0.0%	0
A graphical background used to present information	0.0%	0

Q2. Please indicate below what applications you use digital imagery and/or elevation data for. Please select those that apply below.

Response:	Response Percent	Response Count
Earth sciences: mapping, research	83.3%	5
Academic Research	83.3%	5
Climate change/Detection	83.3%	5
Environmental analysis and mapping	66.7%	4
GIS and related consulting	66.7%	4
Water Resources Management	33.3%	2
Land Management	33.3%	2
Fisheries management	16.7%	1
Forestry management	16.7%	1
Transportation & Infrastructure development and planning	16.7%	1
Aviation Safety	16.7%	1
Fire Hazard Planning & Wildfire Response	16.7%	1
Disaster planning	16.7%	1
Coastal & Ocean mapping	16.7%	1
Business Demographics	16.7%	1

Non-Profit

Q1. In what form do you use or interact with raw digital Basemap data? Please select one of the following.

Response:	Response Percent	Response Count
All of the above	66.7%	2
Primary, critical data set used for mapping, feature identification, or assessment.	33.3%	1

Q2. Please indicate below what applications you use digital imagery and/or elevation data for. Please select those that apply below.

Response:	Response Percent	Response Count
Land Cover Mapping (wetlands, vegetation mapping)	100.0%	3
Environmental analysis and mapping	100.0%	3
Regional planning	66.7%	2
GIS and related consulting	66.7%	2
Earth sciences: mapping, research	66.7%	2
Water Resources Management	66.7%	2
Land Management	66.7%	2
Fisheries management	66.7%	2
Climate change/Detection	66.7%	2
Coastal & Ocean mapping	33.3%	1
Property Appraisal / Real Estate	33.3%	1
Design	33.3%	1
Academic Research	33.3%	1
Preliminary engineering	33.3%	1
Forestry management	33.3%	1
Mining development	33.3%	1
Business Demographics	33.3%	1
Energy (oil,gas,other)development	33.3%	1
Engineering (multidisciplinary)	33.3%	1

Native

Q3. How do you use the data in a technical sense? Please select those that apply below.

Response:	Response Percent	Response Count
Basic mapping (simple basemap, navigation, other)	100.0%	4
Advanced mapping (analysis, other)	75.0%	3
Remote sensing	25.0%	1
Visualization (3D, other)	25.0%	1
Surveying	25.0%	1

Q4. What region of Alaska do you or your organization primarily conduct operations? Please select one of the following.

Response:	Response Percent	Response Count
Southcentral	50.0%	2
Southwest	50.0%	2
Interior	25.0%	1
North Slope	25.0%	1
All of the above - Statewide	0.0%	0

Q5. Preferred imagery formats and delivery methods: which of the following methods do you prefer? Please select one or more of the following.

Response:	Response Percent	Response Count
Full resolution (e.g. geotiff)	75.0%	3
Via the Internet (e.g. Web Mapping Service)	75.0%	3
Compressed formats (e.g. MrSid)	50.0%	2
Locally stored	50.0%	2

Q7. What areas should SDMI focus acquisition of digital imagery and/or elevation on? Please specify below.

Response:	Response Percent	Response Count
Villages	75.0%	3
Land management areas, e.g. Native corporate regions, National Petroleum Reserve Alaska, etc.	75.0%	3
River corridors	50.0%	2
Economic corridors (e.g. pipeline route, mine access road, etc.)	25.0%	1
Highway corridors (e.g. Parks highway, etc.)	25.0%	1

Federal

Q3. How do you use the data in a technical sense? Please select those that apply below.

Response:	Response Percent	Response Count
Basic mapping (simple basemap, navigation, other)	100.0%	4
Advanced mapping (analysis, other)	75.0%	3
Remote sensing	25.0%	1
Visualization (3D, other)	25.0%	1
Surveying	25.0%	1

Q4. What region of Alaska do you or your organization primarily conduct operations? Please select one of the following.

Response:	Response Percent	Response Count
Southcentral	50.0%	2
Southwest	50.0%	2
Interior	25.0%	1
North Slope	25.0%	1

Q5. Preferred imagery formats and delivery methods: which of the following methods do you prefer? Please select one or more of the following.

Response:	Response Percent	Response Count
Full resolution (e.g. geotiff)	75.0%	3
Via the Internet (e.g. Web Mapping Service)	75.0%	3
Compressed formats (e.g. MrSid)	50.0%	2
Locally stored	50.0%	2

Q7. What areas should SDMI focus acquisition of digital imagery and/or elevation on? Please specify below.

Response:	Response Percent	Response Count
Villages	75.0%	3
Land management areas, e.g. Native corporate regions, National Petroleum Reserve Alaska, etc.	75.0%	3
River corridors	50.0%	2
Economic corridors (e.g. pipeline route, mine access road, etc.)	25.0%	1
Highway corridors (e.g. Parks highway, etc.)	25.0%	1

State

Q3. How do you use the data in a technical sense? Please select those that apply below.

Response:	Response Percent	Response Count
Basic mapping (simple basemap, navigation, other)	90.4%	47
Advanced mapping (analysis, other)	61.5%	32
Visualization (3D, other)	40.4%	21
Remote sensing	28.8%	15
Surveying	15.4%	8
Design (in CAD, other)	11.5%	6
N/A	3.8%	2

Q4. What region of Alaska do you or your organization primarily conduct operations? Please select one of the following.

Response:	Response Percent	Response Count
All of the above - Statewide	53.8%	28
Interior	23.1%	12
Southcentral	23.1%	12
Southeast	17.3%	9
North Slope	17.3%	9
Northwest	15.4%	8
Southwest	11.5%	6
Bering Sea	5.8%	3
Aleutians	3.8%	2

Q5. Preferred imagery formats and delivery methods: which of the following methods do you prefer? Please select one or more of the following.

Response:	Response Percent	Response Count
Full resolution (e.g. geotiff)	58.8%	30
Via the Internet (e.g. Web Mapping Service)	52.9%	27
Locally stored	39.2%	20
Compressed formats (e.g. MrSid)	31.4%	16
Other	13.7%	7

Q7. What areas should SDMI focus acquisition of digital imagery and/or elevation on? Please specify below.

Response:	Response Percent	Response Count
River corridors	38.8%	19
All of the above	38.8%	19
Villages	36.7%	18
Highway corridors (e.g. Parks highway, etc.)	28.6%	14
Coastal areas	26.5%	13
Urban,concentrated areas (i.e. cities)	24.5%	12
Environmentally sensitive areas, e.g. wetland, floodplains, habitat zones	24.5%	12
Economic corridors (e.g. pipeline route, mine access road, etc.)	22.4%	11
Forest management areas	18.4%	9
Conservation management areas, e.g. parks, refuges,national monuments, etc.	12.2%	6
Land management areas, e.g. Native corporate regions, National Petroleum Reserve Alaska, etc.	12.2%	6

Local

Q3. How do you use the data in a technical sense? Please select those that apply below.

Response:	Response Percent	Response Count
Basic mapping (simple basemap, navigation, other)	100.0%	12
Visualization (3D, other)	75.0%	9
Advanced mapping (analysis, other)	58.3%	7
Remote sensing	33.3%	4
Surveying	33.3%	4
Design (in CAD, other)	8.3%	1

Q4. What region of Alaska do you or your organization primarily conduct operations? Please select one of the following.

Response:	Response Percent	Response Count
Southcentral	66.7%	8
Southeast	25.0%	3
Interior	8.3%	1
North Slope	8.3%	1

Q5. Preferred imagery formats and delivery methods: which of the following methods do you prefer? Please select one or more of the following.

Response:	Response Percent	Response Count
Compressed formats (e.g. MrSid)	75.0%	9
Full resolution (e.g. geotiff)	66.7%	8
Locally stored	58.3%	7
Via the Internet (e.g. Web Mapping Service)	33.3%	4

Q7. What areas should SDMI focus acquisition of digital imagery and/or elevation on? Please specify below.

Response:	Response Percent	Response Count
Urban,concentrated areas (i.e. cities)	58.3%	7
Highway corridors (e.g. Parks highway, etc.)	41.7%	5
Environmentally sensitive areas, e.g. wetland, floodplains, habitat zones	41.7%	5
Coastal areas	41.7%	5
Villages	33.3%	4
All of the above	33.3%	4
River corridors	25.0%	3
Land management areas, e.g. Native corporate regions, National Petroleum Reserve Alaska, etc.	25.0%	3
Conservation management areas, e.g. parks, refuges,national monuments, etc.	8.3%	1
Forest management areas	8.3%	1

Private

Q3. How do you use the data in a technical sense? Please select those that apply below.

Response:	Response Percent	Response Count
Basic mapping (simple basemap, navigation, other)	100.0%	26
Advanced mapping (analysis, other)	92.3%	24
Visualization (3D, other)	69.2%	18
Remote sensing	57.7%	15
Design (in CAD, other)	23.1%	6
Surveying	19.2%	5

Q4. What region of Alaska do you or your organization primarily conduct operations? Please select one of the following.

Response:	Response Percent	Response Count
All of the above - Statewide	53.8%	14
Southcentral	30.8%	8
North Slope	26.9%	7
Interior	19.2%	5
Southwest	19.2%	5
Aleutians	11.5%	3
Southeast	11.5%	3
Northwest	7.7%	2
Bering Sea	3.8%	1

Q5. Preferred imagery formats and delivery methods: which of the following methods do you prefer? Please select one or more of the following.

Response:	Response Percent	Response Count
Full resolution (e.g. geotiff)	73.1%	19
Compressed formats (e.g. MrSid)	69.2%	18
Via the Internet (e.g. Web Mapping Service)	46.2%	12
Locally stored	34.6%	9
Other	7.7%	2

Q7. What areas should SDMI focus acquisition of digital imagery and/or elevation on? Please specify below.

Response:	Response Percent	Response Count
All of the above	52.0%	13
Villages	40.0%	10
Economic corridors (e.g. pipeline route, mine access road, etc.)	36.0%	9
Highway corridors (e.g. Parks highway, etc.)	32.0%	8
Urban,concentrated areas (i.e. cities)	28.0%	7
Coastal areas	24.0%	6
River corridors	20.0%	5
Environmentally sensitive areas, e.g. wetland, floodplains, habitat zones	20.0%	5
Land management areas, e.g. Native corporate regions, National Petroleum Reserve Alaska, etc.	16.0%	4
Conservation management areas, e.g. parks, refuges,national monuments, etc.	12.0%	3
Forest management areas	4.0%	1

Military

Q3. How do you use the data in a technical sense? Please select those that apply below.

Response:	Response Percent	Response Count
Advanced mapping (analysis, other)	80.0%	4
Basic mapping (simple basemap, navigation, other)	80.0%	4
Visualization (3D, other)	80.0%	4
Surveying	60.0%	3
Design (in CAD, other)	40.0%	2
Remote sensing	20.0%	1

Q4. What region of Alaska do you or your organization primarily conduct operations? Please select one of the following.

Response:	Response Percent	Response Count
Interior	40.0%	2
Southcentral	40.0%	2
All of the above - Statewide	40.0%	2
Aleutians	20.0%	1
Bering Sea	20.0%	1
Southwest	20.0%	1
North Slope	20.0%	1
Northwest	20.0%	1

Q5. Preferred imagery formats and delivery methods: which of the following methods do you prefer? Please select one or more of the following.

Response:	Response Percent	Response Count
Compressed formats (e.g. MrSid)	75.0%	3
Full resolution (e.g. geotiff)	75.0%	3
Locally stored	75.0%	3
Via the Internet (e.g. Web Mapping Service)	75.0%	3
Other	25.0%	1

Q7. What areas should SDMI focus acquisition of digital imagery and/or elevation on? Please specify below.

Response:	Response Percent	Response Count
Urban,concentrated areas (i.e. cities)	50.0%	2
All of the above	50.0%	2
Highway corridors (e.g. Parks highway, etc.)	25.0%	1
Villages	25.0%	1

Utility

Q3. How do you use the data in a technical sense? Please select those that apply below.

Response:	Response Percent	Response Count
Basic mapping (simple basemap, navigation, other)	100.0%	5
Design (in CAD, other)	80.0%	4
Advanced mapping (analysis, other)	20.0%	1
Visualization (3D, other)	20.0%	1

Q4. What region of Alaska do you or your organization primarily conduct operations? Please select one of the following.

Response:	Response Percent	Response Count
Southcentral	80.0%	4
Interior	20.0%	1

Q5. Preferred imagery formats and delivery methods: which of the following methods do you prefer? Please select one or more of the following.

Response:	Response Percent	Response Count
Full resolution (e.g. geotiff)	100.0%	5
Locally stored	80.0%	4
Via the Internet (e.g. Web Mapping Service)	80.0%	4
Compressed formats (e.g. MrSid)	20.0%	1

Q7. What areas should SDMI focus acquisition of digital imagery and/or elevation on? Please specify below.

Response:	Response Percent	Response Count
Highway corridors (e.g. Parks highway, etc.)	80.0%	4
Urban,concentrated areas (i.e. cities)	80.0%	4
River corridors	60.0%	3
Economic corridors (e.g. pipeline route, mine access road, etc.)	60.0%	3
Environmentally sensitive areas, e.g. wetland, floodplains, habitat zones	60.0%	3
Villages	20.0%	1
Conservation management areas, e.g. parks, refuges,national monuments, etc.	20.0%	1
Forest management areas	20.0%	1
Coastal areas	20.0%	1
All of the above	20.0%	1

Academic

Q3. How do you use the data in a technical sense? Please select those that apply below.

Response:	Response Percent	Response Count
Advanced mapping (analysis, other)	100.0%	6
Remote sensing	83.3%	5
Basic mapping (simple basemap, navigation, other)	66.7%	4
Visualization (3D, other)	66.7%	4

Q4. What region of Alaska do you or your organization primarily conduct operations? Please select one of the following.

Response:	Response Percent	Response Count
Southcentral	33.3%	2
All of the above - Statewide	33.3%	2
Interior	16.7%	1
North Slope	16.7%	1
Northwest	16.7%	1

Q5. Preferred imagery formats and delivery methods: which of the following methods do you prefer? Please select one or more of the following.

Response:	Response Percent	Response Count
Compressed formats (e.g. MrSid)	33.3%	2
Full resolution (e.g. geotiff)	83.3%	5
Locally stored	33.3%	2
Via the Internet (e.g. Web Mapping Service)	33.3%	2
Other	0.0%	0

Q7. What areas should SDMI focus acquisition of digital imagery and/or elevation on? Please specify below.

Response:	Response Percent	Response Count
Environmentally sensitive areas, e.g. wetland, floodplains, habitat zones	66.7%	4
Conservation management areas, e.g. parks, refuges,national monuments, etc.	33.3%	2
All of the above	33.3%	2
Land management areas, e.g. Native corporate regions, National Petroleum Reserve Alaska, etc.	16.7%	1
Coastal areas	16.7%	1

Non-Profit

Q3. How do you use the data in a technical sense? Please select those that apply below.

Response:	Response Percent	Response Count
Advanced mapping (analysis, other)	100.0%	3
Visualization (3D, other)	100.0%	3
Basic mapping (simple basemap, navigation, other)	66.7%	2
Remote sensing	33.3%	1
N/A	33.3%	1

Q4. What region of Alaska do you or your organization primarily conduct operations? Please select one of the following.

Response:	Response Percent	Response Count
Southcentral	100.0%	3
Aleutians	33.3%	1
Bering Sea	33.3%	1
Southeast	33.3%	1

Q5. Preferred imagery formats and delivery methods: which of the following methods do you prefer? Please select one or more of the following.

Response:	Response Percent	Response Count
Compressed formats (e.g. MrSid)	100.0%	3
Via the Internet (e.g. Web Mapping Service)	100.0%	3
Locally stored	66.7%	2
Full resolution (e.g. geotiff)	33.3%	1

Q7. What areas should SDMI focus acquisition of digital imagery and/or elevation on? Please specify below.

Response:	Response Percent	Response Count
River corridors	66.7%	2
Economic corridors (e.g. pipeline route, mine access road, etc.)	66.7%	2
Highway corridors (e.g. Parks highway, etc.)	66.7%	2
Urban,concentrated areas (i.e. cities)	66.7%	2
Environmentally sensitive areas, e.g. wetland, floodplains, habitat zones	66.7%	2
Coastal areas	66.7%	2
All of the above	66.7%	2
Villages	33.3%	1
Conservation management areas, e.g. parks, refuges,national monuments, etc.	33.3%	1
Forest management areas	33.3%	1
Land management areas, e.g. Native corporate regions, National Petroleum Reserve Alaska, etc.	33.3%	1

Native

Q8. Imagery resolution needs are typically driven by the features that users need to draw. Please check the features below that you typically capture.

Response:	Response Percent	Response Count
Parcel/property boundaries	100.0%	4
Hydrographic features (discrete, e.g. river banks, ponds,discrete coastlines, etc.)	75.0%	3
Pipelines	50.0%	2
Mining	50.0%	2
Geologic (e.g. unit mapping)	50.0%	2
Utilities e.g. hydrants, electric power pole	25.0%	1
Road center lines	25.0%	1
Houses and building footprints	25.0%	1
Wetland boundaries (discrete, e.g. ¼ acre per COE, EPA)	25.0%	1
Tree canopies	25.0%	1
General hydrographic features (e.g. broad outlines of rivers, coastline)	25.0%	1
Vegetation, landcover, e.g. forest stands	25.0%	1
General wetlands	25.0%	1

Q9. A commonly used product from digital elevation data are topographic contours. Typically, design level topo contours are 2 feet interval, urban mapping topo are 4 feet interval, 1:24,000 mapping topo intervals are 10, 20 feet contours, and so on. Using contours as a guideline, please prioritize your preferences on elevation resolution by selecting one of the following intervals below.

Response:	Response Percent	Response Count
2 ft. contours (typically Route location, preliminary alignment and design)	50.0%	2
10 ft. contours (High-gradient terrain, low unit cost earthwork excavation estimates)	50.0%	2

Q10. If you have worked with digital elevation models (DEM), and know what kind of resolution you need, please select your preference below.

Response:	Response Percent	Response Count
1/9-arc-second (3 meters)	66.7%	2
1/3-arc-second (10 meters)	33.3%	1

Federal

Q8. Imagery resolution needs are typically driven by the features that users need to draw. Please check the features below that you typically capture.

Response:	Response Percent	Response Count
Parcel/property boundaries	100.0%	4
Hydrographic features (discrete, e.g. river banks, ponds,discrete coastlines, etc.)	75.0%	3
Pipelines	50.0%	2
Mining	50.0%	2
Geologic (e.g. unit mapping)	50.0%	2
Utilities e.g. hydrants, electric power pole	25.0%	1
Road center lines	25.0%	1
Houses and building footprints	25.0%	1
Wetland boundaries (discrete, e.g. ¼ acre per COE, EPA)	25.0%	1
Tree canopies	25.0%	1
General hydrographic features (e.g. broad outlines of rivers, coastline)	25.0%	1
Vegetation, landcover, e.g. forest stands	25.0%	1
General wetlands	25.0%	1

Q9. A commonly used product from digital elevation data are topographic contours. Typically, design level topo contours are 2 feet interval, urban mapping topo are 4 feet interval, 1:24,000 mapping topo intervals are 10, 20 feet contours, and so on. Using contours as a guideline, please prioritize your preferences on elevation resolution by selecting one of the following intervals below.

Response:	Response Percent	Response Count
2 ft. contours (typically Route location, preliminary alignment and design)	50.0%	2
10 ft. contours (High-gradient terrain, low unit cost earthwork excavation estimates)	50.0%	2

Q10. If you have worked with digital elevation models (DEM), and know what kind of resolution you need, please select your preference below.

Response:	Response Percent	Response Count
1/9-arc-second (3 meters)	66.7%	2
1/3-arc-second (10 meters)	33.3%	1

State

Q8. Imagery resolution needs are typically driven by the features that users need to draw. Please check the features below that you typically capture.

Response:	Response Percent	Response Count
Hydrographic features (discrete, e.g. river banks, ponds,discrete coastlines, etc.)	75.5%	37
Major roads & intersections	59.2%	29
Parcel/property boundaries	53.1%	26
General hydrographic features (e.g. broad outlines of rivers, coastline)	53.1%	26
Road center lines	49.0%	24
Wetland boundaries (discrete, e.g. ¼ acre per COE, EPA)	49.0%	24
Vegetation, landcover, e.g. forest stands	46.9%	23
Pipelines	34.7%	17
General wetlands	32.7%	16
Geologic (e.g. unit mapping)	30.6%	15
Houses and building footprints	28.6%	14
Mining	28.6%	14
Utilities e.g. hydrants, electric power pole	26.5%	13
Commercial buildings	24.5%	12
Parking lots/impervious surface	18.4%	9
Tree canopies	16.3%	8
Agricultural	10.2%	5
Pivot irrigation	0.0%	0

Q9. A commonly used product from digital elevation data are topographic contours. Typically, design level topo contours are 2 feet interval, urban mapping topo are 4 feet interval, 1:24,000 mapping topo intervals are 10, 20 feet contours, and so on. Using contours as a guideline, please prioritize your preferences on elevation resolution by selecting one of the following intervals below.

Response:	Response Percent	Response Count
20--30 ft. contours (typical moderate resolution USGS topographic maps, geologic/exploration mapping, etc.)	34.7%	17
10 ft. contours (High-gradient terrain, low unit cost earthwork excavation estimates)	24.5%	12
2 ft. contours (typically Route location, preliminary alignment and design)	18.4%	9
4 ft. contours (typically urban planning, preliminary project planning, hydraulic sections, rough earthwork estimates)	12.2%	6
>50 ft. contours	2.0%	1
30-50 ft. contours	0.0%	0

Q10. If you have worked with digital elevation models (DEM), and know what kind of resolution you need, please select your preference below.

Response:	Response Percent	Response Count
1/3-arc-second (10 meters)	48.3%	14
1/9-arc-second (3 meters)	31.0%	9
1-arc-second (30 meters)	20.7%	6

Local

Q8. Imagery resolution needs are typically driven by the features that users need to draw. Please check the features below that you typically capture.

Response:	Response Percent	Response Count
Houses and building footprints	83.3%	10
Parcel/property boundaries	83.3%	10
Road center lines	75.0%	9
Major roads & intersections	75.0%	9
Wetland boundaries (discrete, e.g. ¼ acre per COE, EPA)	66.7%	8
General wetlands	66.7%	8
Utilities e.g. hydrants, electric power pole	58.3%	7
Commercial buildings	58.3%	7
General hydrographic features (e.g. broad outlines of rivers, coastline)	58.3%	7
Hydrographic features (discrete, e.g. river banks, ponds,discrete coastlines, etc.)	50.0%	6
Vegetation, landcover, e.g. forest stands	50.0%	6
Parking lots/impervious surface	41.7%	5
Pipelines	25.0%	3
Geologic (e.g. unit mapping)	25.0%	3
Tree canopies	16.7%	2
Mining	8.3%	1

Q9. A commonly used product from digital elevation data are topographic contours. Typically, design level topo contours are 2 feet interval, urban mapping topo are 4 feet interval, 1:24,000 mapping topo intervals are 10, 20 feet contours, and so on. Using contours as a guideline, please prioritize your preferences on elevation resolution by selecting one of the following intervals below.

Response:	Response Percent	Response Count
2 ft. contours (typically Route location, preliminary alignment and design)	50.0%	6
4 ft. contours (typically urban planning, preliminary project planning, hydraulic sections, rough earthwork estimates)	33.3%	4
Comments	16.7%	2

Q10. If you have worked with digital elevation models (DEM), and know what kind of resolution you need, please select your preference below.

Response:	Response Percent	Response Count
1/9-arc-second (3 meters)	83.3%	5
1/3-arc-second (10 meters)	16.7%	1

Private

Q8. Imagery resolution needs are typically driven by the features that users need to draw. Please check the features below that you typically capture.

Response:	Response Percent	Response Count
Hydrographic features (discrete, e.g. river banks, ponds,discrete coastlines, etc.)	68.0%	17
General wetlands	52.0%	13
Wetland boundaries (discrete, e.g. ¼ acre per COE, EPA)	48.0%	12
Parcel/property boundaries	48.0%	12
Road center lines	44.0%	11
Major roads & intersections	44.0%	11
General hydrographic features (e.g. broad outlines of rivers, coastline)	44.0%	11
Vegetation, landcover, e.g. forest stands	44.0%	11
Geologic (e.g. unit mapping)	40.0%	10
Utilities e.g. hydrants, electric power pole	32.0%	8
Houses and building footprints	32.0%	8
Pipelines	32.0%	8
Mining	32.0%	8
Tree canopies	28.0%	7
Parking lots/impervious surface	24.0%	6
Commercial buildings	24.0%	6
Agricultural	20.0%	5
Pivot irrigation	8.0%	2

Q9. A commonly used product from digital elevation data are topographic contours. Typically, design level topo contours are 2 feet interval, urban mapping topo are 4 feet interval, 1:24,000 mapping topo intervals are 10, 20 feet contours, and so on. Using contours as a guideline, please prioritize your preferences on elevation resolution by selecting one of the following intervals below.

Response:	Response Percent	Response Count
4 ft. contours (typically urban planning, preliminary project planning, hydraulic sections, rough earthwork estimates)	36.0%	9
10 ft. contours (High-gradient terrain, low unit cost earthwork excavation estimates)	32.0%	8
2 ft. contours (typically Route location, preliminary alignment and design)	12.0%	3
20--30 ft. contours (typical moderate resolution USGS topographic maps, geologic/exploration mapping, etc.)	12.0%	3

Q10. If you have worked with digital elevation models (DEM), and know what kind of resolution you need, please select your preference below.

Response:	Response Percent	Response Count
1/3-arc-second (10 meters)	47.1%	8
1/9-arc-second (3 meters)	47.1%	8
1-arc-second (30 meters)	5.9%	1

Military

Q8. Imagery resolution needs are typically driven by the features that users need to draw. Please check the features below that you typically capture.

Response:	Response Percent	Response Count
Utilities e.g. hydrants, electric power pole	100.0%	4
Road center lines	100.0%	4
Parking lots/impervious surface	100.0%	4
Houses and building footprints	100.0%	4
Hydrographic features (discrete, e.g. river banks, ponds,discrete coastlines, etc.)	100.0%	4
Major roads & intersections	100.0%	4
General hydrographic features (e.g. broad outlines of rivers, coastline)	100.0%	4
Vegetation, landcover, e.g. forest stands	100.0%	4
General wetlands	100.0%	4
Wetland boundaries (discrete, e.g. ¼ acre per COE, EPA)	75.0%	3
Commercial buildings	75.0%	3
Pipelines	75.0%	3
Parcel/property boundaries	75.0%	3
Tree canopies	50.0%	2
Agricultural	25.0%	1
Mining	25.0%	1
Pivot irrigation	25.0%	1
Geologic (e.g. unit mapping)	25.0%	1

Q9. A commonly used product from digital elevation data are topographic contours. Typically, design level topo contours are 2 feet interval, urban mapping topo are 4 feet interval, 1:24,000 mapping topo intervals are 10, 20 feet contours, and so on. Using contours as a guideline, please prioritize your preferences on elevation resolution by selecting one of the following intervals below.

Response:	Response Percent	Response Count
2 ft. contours (typically Route location, preliminary alignment and design)	75.0%	3

Q10. If you have worked with digital elevation models (DEM), and know what kind of resolution you need, please select your preference below.

Response:	Response Percent	Response Count
1/3-arc-second (10 meters)	50.0%	2
1/9-arc-second (3 meters)	50.0%	2

Utility

Q8. Imagery resolution needs are typically driven by the features that users need to draw. Please check the features below that you typically capture.

Response:	Response Percent	Response Count
Utilities e.g. hydrants, electric power pole	100.0%	5
Road center lines	100.0%	5
Hydrographic features (discrete, e.g. river banks, ponds,discrete coastlines, etc.)	100.0%	5
Major roads & intersections	100.0%	5
Parcel/property boundaries	100.0%	5
Houses and building footprints	60.0%	3
Wetland boundaries (discrete, e.g. ¼ acre per COE, EPA)	60.0%	3
Commercial buildings	60.0%	3
General wetlands	60.0%	3
Pipelines	40.0%	2
Vegetation, landcover, e.g. forest stands	40.0%	2
Geologic (e.g. unit mapping)	40.0%	2
Parking lots/impervious surface	20.0%	1
General hydrographic features (e.g. broad outlines of rivers, coastline)	20.0%	1

Q9. A commonly used product from digital elevation data are topographic contours. Typically, design level topo contours are 2 feet interval, urban mapping topo are 4 feet interval, 1:24,000 mapping topo intervals are 10, 20 feet contours, and so on. Using contours as a guideline, please prioritize your preferences on elevation resolution by selecting one of the following intervals below.

Response:	Response Percent	Response Count
2 ft. contours (typically Route location, preliminary alignment and design)	80.0%	4
4 ft. contours (typically urban planning, preliminary project planning, hydraulic sections, rough earthwork estimates)	20.0%	1

Q10. If you have worked with digital elevation models (DEM), and know what kind of resolution you need, please select your preference below.

Response:	Response Percent	Response Count
1/9-arc-second (3 meters)	100.0%	2

Academic

Q8. Imagery resolution needs are typically driven by the features that users need to draw. Please check the features below that you typically capture.

Response:	Response Percent	Response Count
Hydrographic features (discrete, e.g. river banks, ponds,discrete coastlines, etc.)	83.3%	5
General hydrographic features (e.g. broad outlines of rivers, coastline)	33.3%	2
Vegetation, landcover, e.g. forest stands	33.3%	2
Tree canopies	16.7%	1
General wetlands	16.7%	1

Q9. A commonly used product from digital elevation data are topographic contours. Typically, design level topo contours are 2 feet interval, urban mapping topo are 4 feet interval, 1:24,000 mapping topo intervals are 10, 20 feet contours, and so on. Using contours as a guideline, please prioritize your preferences on elevation resolution by selecting one of the following intervals below.

Response:	Response Percent	Response Count
10 ft. contours (High-gradient terrain, low unit cost earthwork excavation estimates)	33.3%	2
2 ft. contours (typically Route location, preliminary alignment and design)	16.7%	1
20--30 ft. contours (typical moderate resolution USGS topographic maps, geologic/exploration mapping, etc.)	16.7%	1

Q10. If you have worked with digital elevation models (DEM), and know what kind of resolution you need, please select your preference below.

Response:	Response Percent	Response Count
1/9-arc-second (3 meters)	60.0%	3
1/3-arc-second (10 meters)	40.0%	2

Non-Profit

Q8. Imagery resolution needs are typically driven by the features that users need to draw. Please check the features below that you typically capture.

Response:	Response Percent	Response Count
Wetland boundaries (discrete, e.g. ¼ acre per COE, EPA)	100.0%	3
Hydrographic features (discrete, e.g. river banks, ponds,discrete coastlines, etc.)	100.0%	3
Parking lots/impervious surface	66.7%	2
General hydrographic features (e.g. broad outlines of rivers, coastline)	66.7%	2
Vegetation, landcover, e.g. forest stands	66.7%	2
General wetlands	66.7%	2
Pipelines	33.3%	1
Major roads & intersections	33.3%	1
Tree canopies	33.3%	1
Parcel/property boundaries	33.3%	1
Agricultural	33.3%	1
Mining	33.3%	1
Geologic (e.g. unit mapping)	33.3%	1

Q9. A commonly used product from digital elevation data are topographic contours. Typically, design level topo contours are 2 feet interval, urban mapping topo are 4 feet interval, 1:24,000 mapping topo intervals are 10, 20 feet contours, and so on. Using contours as a guideline, please prioritize your preferences on elevation resolution by selecting one of the following intervals below.

Response:	Response Percent	Response Count
2 ft. contours (typically Route location, preliminary alignment and design)	66.7%	2
20--30 ft. contours (typical moderate resolution USGS topographic maps, geologic/exploration mapp	33.3%	1

Q10. If you have worked with digital elevation models (DEM), and know what kind of resolution you need, please select your preference below.

Response:	Response Percent	Response Count
1/9-arc-second (3 meters)	100.0%	2

Native			Federal		
Q11. If a refresh of digital elevation data is to be made available, how frequently should it be refreshed? (Note, that Alaska USGS topo maps are often based on 40 year and older elevation data).			**Q11. If a refresh of digital elevation data is to be made available, how frequently should it be refreshed? (Note, that Alaska USGS topo maps are often based on 40 year and older elevation data).**		
Response:	Response Percent	Response Count	Response:	Response Percent	Response Count
10 years	75.0%	3	10 years	75.0%	3
20 years	25.0%	1	20 years	25.0%	1
Q12. If digital imagery is made available, how frequently should this data be refreshed? Please select how often you think imagery should be refreshed below.			**Q12. If digital imagery is made available, how frequently should this data be refreshed? Please select how often you think imagery should be refreshed below.**		
Response:	Response Percent	Response Count	Response:	Response Percent	Response Count
Every three years	50.0%	2	Every three years	50.0%	2
Every five years	25.0%	1	Every five years	25.0%	1
Every five to ten years	25.0%	1	Every five to ten years	25.0%	1

State			Local		
Q11. If a refresh of digital elevation data is to be made available, how frequently should it be refreshed? (Note, that Alaska USGS topo maps are often based on 40 year and older elevation data).			**Q11. If a refresh of digital elevation data is to be made available, how frequently should it be refreshed? (Note, that Alaska USGS topo maps are often based on 40 year and older elevation data).**		
Response:	Response Percent	Response Count	Response:	Response Percent	Response Count
10 years	38.8%	19	10 years	41.7%	5
20 years	22.4%	11	5 years	33.3%	4
15 years	18.4%	9	15 years	16.7%	2
5 years	14.3%	7	20 years	8.3%	1
50 years	4.1%	2			
Other	2.0%	1			
Q12. If digital imagery is made available, how frequently should this data be refreshed? Please select how often you think imagery should be refreshed below.			**Q12. If digital imagery is made available, how frequently should this data be refreshed? Please select how often you think imagery should be refreshed below.**		
Response:	Response Percent	Response Count	Response:	Response Percent	Response Count
Every three years	32.7%	16	Every three years	41.7%	5
Annually	20.4%	10	Every five years	25.0%	3
Every five years	18.4%	9	Annually	16.7%	2
Every five to ten years	10.2%	5			

Private

Q11. If a refresh of digital elevation data is to be made available, how frequently should it be refreshed? (Note, that Alaska USGS topo maps are often based on 40 year and older elevation data).

Response:	Response Percent	Response Count
10 years	36.0%	9
15 years	24.0%	6
20 years	20.0%	5
5 years	16.0%	4
Other	4.0%	1

Q12. If digital imagery is made available, how frequently should this data be refreshed? Please select how often you think imagery should be refreshed below.

Response:	Response Percent	Response Count
Every three years	28.0%	7
Every five years	28.0%	7
Annually	16.0%	4
Every five to ten years	16.0%	4

Military

Q11. If a refresh of digital elevation data is to be made available, how frequently should it be refreshed? (Note, that Alaska USGS topo maps are often based on 40 year and older elevation data).

Response:	Response Percent	Response Count
10 years	75.0%	3
20 years	25.0%	1

Q12. If digital imagery is made available, how frequently should this data be refreshed? Please select how often you think imagery should be refreshed below.

Response:	Response Percent	Response Count
Annually	50.0%	2
Every five years	25.0%	1

Utility

Q11. If a refresh of digital elevation data is to be made available, how frequently should it be refreshed? (Note, that Alaska USGS topo maps are often based on 40 year and older elevation data).

Response:	Response Percent	Response Count
5 years	40.0%	2
10 years	40.0%	2
20 years	20.0%	1

Q12. If digital imagery is made available, how frequently should this data be refreshed? Please select how often you think imagery should be refreshed below.

Response:	Response Percent	Response Count
Annually	60.0%	3
Every three years	40.0%	2

Academic

Q11. If a refresh of digital elevation data is to be made available, how frequently should it be refreshed? (Note, that Alaska USGS topo maps are often based on 40 year and older elevation data).

Response:	Response Percent	Response Count
5 years	33.3%	2
10 years	33.3%	2
15 years	16.7%	1
20 years	16.7%	1
50 years	0.0%	0

Q12. If digital imagery is made available, how frequently should this data be refreshed? Please select how often you think imagery should be refreshed below.

Response:	Response Percent	Response Count
Annually	33.3%	2
Every three years	16.7%	1
Every five years	16.7%	1
Every five to ten years	0.0%	0

Non-Profit

Q11. If a refresh of digital elevation data is to be made available, how frequently should it be refreshed? (Note, that Alaska USGS topo maps are often based on 40 year and older elevation data).

Response:	Response Percent	Response Count
10 years	66.7%	2
5 years	33.3%	1

Q12. If digital imagery is made available, how frequently should this data be refreshed? Please select how often you think imagery should be refreshed below.

Response:	Response Percent	Response Count
Every three years	66.7%	2
Every five years	33.3%	1