Oklahoma GIS Needs Assessment Survey Results

Section 1 - General Information

1. Contact Information

143 Responses

2. What activity best describes your organization?

Federal	9	8%
State	37	27%
Regional	14	8%
County	7	5%
Municipal	18	12%
Tribal	11	8%
Military	3	1%
Education	8	5%
Energy	8	6%
Utilities	3	2%
Private	21	14%
Non-Profit	4	3%
Other	0	2%
Total	**143**	**100%**

Section 2 - Current GIS Activities

3. What is your expertise in GIS (Geographic Information Systems)?

None	7	5%
User (One who uses GIS applications created by others but does not create or edit data.)	31	22%
Professional (One who creates GIS applications &/or creates, maintains or edits data.)	105	73%
Total	**143**	**100%**

4. Does your department/division currently use GIS?

Yes	138	97%
No - Skip to Question 33	5	3%
Total	**143**	**100%**

5. How long has GIS been used in your department/division?

< 1 yr	7	5%
1 - 2 yrs	17	12%
3 - 5 yrs	40	29%
6 - 10 yrs	21	15%
> 10 yrs	54	39%
Total	**139**	**100%**

6. At what stage of implementation is GIS in your department/division?

Being Considered	2	1%
Initial Stages of Development	14	10%
Few Users & Applications	37	27%
Extensive Use, Few Users	37	27%
Extensive Use, Many Users	49	35%
Total	**139**	**100%**

7. Does your department/division contract out any GIS work to outside entities? (Check all that apply)

No	71	51%
Public Entities (Universities, State Agencies, etc)	29	21%
Private Entities	54	39%

8. How is GIS currently staffed in your department/division? (Check all that apply)

Full-Time Staff	106	76%
Part-Time Staff	33	24%
Intern / Students	18	13%
Contractor / Service Provider	24	17%
No Staff	15	11%

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9. How many staff do GIS full-time in your department/division?

None	44	32%
1 - 2	53	39%
3 - 5	28	20%
6 - 10	2	1%
> 10	10	7%
Total	**137**	**100%**

10. How many staff do GIS part-time in your department/division?

None	58	42%
1 - 2	55	40%
3 - 5	10	7%
6 - 10	8	6%
> 10	7	5%
Total	**138**	**100%**

11. How many GIS users are in your department/division (excluding GIS staff)?

None	21	15%
1 - 2	35	25%
3 - 5	36	26%
6 - 10	9	7%
> 10	37	27%
Total	**138**	**100%**

12. How many data layers are in your department/division's GIS database?

< 10	24	18%
10 - 20	26	19%
21 - 30	22	16%
> 30	65	47%
Total	**137**	**100%**

13. How many data layers does your department/division develop & maintain?

None	13	10%
1 - 2	15	11%
3 - 5	18	13%
6 - 10	14	10%
> 10	76	56%
Total	**136**	**100%**

14. Does your department/division use aerial photography in its GIS?

Yes	114	84%
No - Skip to Question 17	22	16%
Total	**136**	**100%**

15. If Yes, what resolution of aerial photography do you use? (Check all that apply)

< 6 inch	14	13%
6 inch	28	25%
1 foot	33	30%
1 meter	66	59%
2 meter	44	40%
> 2 meter	16	14%
Other	13	12%

16. Does your department/division currently purchase aerial photography for its GIS?

Yes	51	45%
No	62	55%
Total	**113**	**100%**

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Section 3 - Current GIS Technology Infrastructure

17. Which company's GIS software is used at your department/division? (Check all that apply)

Autodesk	28	20%
Bentley Microstation	9	7%
Caliper/Maptitude	1	1%
ERDAS	9	7%
ESRI	130	94%
Intergraph	9	7%
MapInfo	10	7%
Oracle Spatial	9	7%
Other, please specify	13	9%

18. What operating system does your GIS run on? (Check all that apply)

Linux	4	3%
Macintosh	0	0%
Windows	137	99%
UNIX	4	3%
Other, please specify	2	1%

19. How is your department/division networked? (Check all that apply)

Local Area Network (LAN)	126	91%
Wide Area Network (WAN)	34	25%
Wireless	30	22%
Not Networked	2	1%
Other, please specify	0	0%

20. How is your department/division connected to the Internet? (Check all that apply)

T1	96	70%
DSL	24	18%
ISDN	3	2%
Dial-up	8	6%
Wireless	15	11%
Broadband Cable	9	7%
Not Connected	2	1%
Other, please specify	12	9%

Section 4 - Existing GIS Activities

21. What is the estimated range of annual expenditures for all GIS activities, including personnel, of your department/division for the last year?

< $10,000	29	21%
$10,000 - $50,000	24	17%
$50,000 - $100,000	17	12%
$100,000 - $250,000	21	15%
> $250,000	25	18%
Unknown	23	17%
Total	**139**	**100%**

22. What is the estimated percent of your department/division's annual expenditures for GIS activities spent outside of your organization for services and/or training (NOT for hardware, software, data, etc.)?

0%	15	11%
< 10%	73	53%
10% - 20%	10	7%
20% - 30%	5	4%
> 30%	8	6%
Unknown	26	19%
Total	**137**	**100%**

23. What is the estimated percent of your department/division's annual expenditures for GIS activities spent outside of your organization for GIS data (NOT for hardware, software, services, training, etc.)?

0%	32	23%
< 10%	66	48%
10% - 20%	7	5%
20% - 30%	2	1%
> 30%	4	3%
Unknown	27	20%
Total	**138**	**100%**

Section 5 - Data Sharing & Exchange

24. Does your department/division share digital geographic data with other organizations?

Yes	105	76%
No	26	19%
Unknown	8	6%
Total	**139**	**100%**

25. If yes to question 24, does your department/division charge for this data?

Yes	7	6%
Sometimes	33	28%
No	66	57%
Unknown	10	9%
Total	**116**	**100%**

26. If yes to question 24, does your department/division restrict usage of the data you share?

Yes	28	27%
Sometimes	38	37%
No	25	25%
Unknown	11	11%
Total	**102**	**100%**

27. Does your department/division receive digital geographic data from other organizations?

Yes	117	86%
No	11	8%
Unknown	8	6%
Total	**136**	**100%**

28. If yes to question 27, is your department/division charged for this data?

Yes	8	7%
Sometimes	55	45%
No	52	43%
Unknown	7	6%
Total	**122**	**100%**

29. If yes to question 27, is the usage restricted for the data your department/division receives?

Yes	13	12%
Sometimes	64	57%
No	24	21%
Unknown	11	10%
Total	**112**	**100%**

30. If your department/division is involved in exchanges of digital geographic data, how does your department/division transfer/receive data? (Check all that apply)

CD	104	84%
DVD	77	62%
Email	98	79%
External Hard Drive	40	32%
Flash Drive/USB Drive	47	38%
FTP	88	71%
HTTP	37	30%
Tape	4	3%
Other, please specify	3	2%

31. How frequently does your department/division exchange digital geographic data?

Hourly	1	1%
Daily	10	8%
Weekly	10	8%
Monthly	15	12%
Annually	1	1%
As-Needed/Periodically	85	68%
Other, please specify	3	2%
Total	**125**	**100%**

Section 6 - Use of GIS Technology

32. Rank how your department/division is utilizing GIS technology in the following categories. (Please be patient, buttons may load slowly)

Top number is the count of respondents selecting the option. Bottom % is percent of total respondents selecting the option.	1 Unknown	2 None	3 Low	4 Moderate	5 High
Agricultural Production Systems	17 13%	88 66%	15 11%	5 4%	8 6%
Business &/or Facility Management	10 8%	57 43%	27 20%	25 19%	14 11%
City/Town Resource Management	6 5%	55 41%	20 15%	22 17%	30 23%
Construction	9 7%	53 40%	31 23%	27 20%	13 10%
County Government Resource Management	8 6%	59 44%	27 20%	22 17%	17 13%
Economic Development	9 7%	46 35%	37 28%	25 19%	16 12%
Educational Systems	14 11%	67 51%	34 26%	10 8%	7 5%
Electrical Distribution System Management	19 14%	72 55%	22 17%	11 8%	8 6%
Emergency Management/Disaster Planning	14 11%	32 24%	26 20%	37 28%	24 18%
Environmental Issues	8 6%	26 19%	31 23%	34 25%	35 26%
Natural Resource Management	12 9%	39 29%	29 22%	26 19%	28 21%
Oil, Gas &/or Mining	14 11%	66 50%	16 12%	13 10%	23 17%
Parcel Management	8 6%	53 40%	23 17%	23 17%	25 19%
Pipeline Planning, Construction, Maintenance	15 11%	70 53%	16 12%	12 9%	19 14%
Public Health Programs	15 11%	67 50%	26 20%	13 10%	12 9%
Public Safety/Law Enforcement	13 10%	51 39%	37 28%	15 11%	16 12%
Real Estate-Land Development	8 6%	68 51%	27 20%	18 13%	13 10%
Recreational	13 10%	77 58%	24 18%	14 11%	4 3%
Regional Planning & Coordination	6 5%	35 26%	37 28%	27 20%	28 21%
Routing of Vehicles &/or Goods/Services	15 11%	78 59%	21 16%	12 9%	6 5%
Social Services	19 14%	79 59%	23 17%	9 7%	3 2%
Telecommunications	15 12%	80 63%	18 14%	10 8%	5 4%
Transportation	12 9%	59 44%	24 18%	23 17%	16 12%
Waste Management	13 10%	70 54%	21 16%	18 14%	8 6%
Wastewater Management Systems	13 10%	64 48%	16 12%	17 13%	22 17%
Water Distribution System Management	14 11%	59 44%	18 14%	22 17%	20 15%

33. Rank your department/division's present or future need for GIS in the following categories. (Please be patient, buttons may load slowly)

Top number is the count of respondents selecting the option. Bottom % is percent of total respondents selecting the option.	1 Unknown	2 None	3 Low	4 Moderate	5 High
Agricultural Production Systems	16 12%	69 53%	23 18%	12 9%	10 8%
Business &/or Facility Management	11 8%	41 32%	29 22%	27 21%	22 17%
City/Town Resource Management	5 4%	52 40%	20 15%	22 17%	31 24%
Construction	8 6%	55 42%	25 19%	22 17%	20 15%
County Government Resource Management	6 5%	55 43%	19 15%	26 20%	23 18%
Economic Development	10 8%	40 31%	21 16%	23 18%	36 28%
Educational Systems	11 9%	49 38%	34 27%	25 20%	9 7%
Electrical Distribution System Management	17 13%	60 47%	23 18%	16 12%	13 10%
Emergency Management/Disaster Planning	7 5%	26 20%	19 15%	32 25%	45 35%
Environmental Issues	9 7%	22 17%	15 12%	26 20%	58 45%
Natural Resource Management	12 9%	31 24%	24 18%	26 20%	37 28%
Oil, Gas &/or Mining	14 11%	52 40%	22 17%	16 12%	25 19%
Parcel Management	10 8%	42 32%	25 19%	19 14%	36 27%
Pipeline Planning, Construction, Maintenance	13 10%	55 43%	25 19%	15 12%	21 16%
Public Health Programs	14 11%	51 39%	25 19%	24 18%	18 14%
Public Safety/Law Enforcement	11 9%	43 33%	20 16%	27 21%	28 22%
Real Estate-Land Development	11 8%	52 40%	23 18%	26 20%	19 15%
Recreational	17 13%	55 43%	30 24%	17 13%	8 6%
Regional Planning & Coordination	6 5%	28 22%	19 15%	36 28%	41 32%
Routing of Vehicles &/or Goods/Services	12 9%	54 42%	22 17%	25 19%	17 13%
Social Services	16 12%	65 49%	24 18%	19 14%	8 6%
Telecommunications	16 12%	67 52%	18 14%	19 15%	10 8%
Transportation	8 6%	47 36%	27 21%	25 19%	23 18%
Waste Management	13 10%	55 43%	20 16%	20 16%	20 16%
Wastewater Management Systems	13 10%	52 41%	15 12%	20 16%	28 22%
Water Distribution System Management	13 10%	51 40%	13 10%	21 16%	31 24%

Section 7 - Activities of the State Geographic Information (GI) Council &/or State Office of Geographic Information (OGI)

34. Prior to this survey, were you aware of the OGI or State GI Council?

Yes	124	87%
No	19	13%
Total	**143**	**100%**

35. Have you or a representative of your department/division ever attended a State GI Council meeting?

Yes	108	77%
No	33	23%
Total	**141**	**100%**

36. Rank the value of the following types of activities or support that could be provided to your department/division by the OGI. (Please be patient, buttons may load slowly)

Top number is the count of respondents selecting the option. Bottom % is percent of total respondents selecting the option.	1 Unknown	2 None	3 Low	4 Moderate	5 High
Certification	12 / 9%	18 / 13%	30 / 22%	40 / 29%	36 / 26%
Coordination of State Activities	15 / 11%	13 / 10%	23 / 17%	36 / 26%	49 / 36%
Data Distribution/Exchange	7 / 5%	6 / 4%	13 / 9%	37 / 27%	75 / 54%
Data Maintenance/Up-Dating	8 / 6%	14 / 10%	21 / 15%	38 / 28%	55 / 40%
Data Standards	7 / 5%	10 / 7%	15 / 11%	36 / 26%	69 / 50%
Education	7 / 5%	8 / 6%	35 / 26%	36 / 26%	50 / 37%
GIS Services	9 / 7%	17 / 12%	42 / 30%	34 / 25%	36 / 26%
Grant Writing	13 / 10%	34 / 25%	31 / 23%	30 / 22%	26 / 19%
Group Purchases	14 / 10%	30 / 22%	31 / 23%	35 / 26%	24 / 18%
Technical Assistance	9 / 7%	11 / 8%	33 / 24%	46 / 34%	37 / 27%
Training	4 / 3%	11 / 8%	27 / 20%	40 / 29%	54 / 40%
Web Hosting	11 / 8%	35 / 26%	34 / 26%	24 / 18%	29 / 22%
Workshops	3 / 2%	4 / 3%	26 / 19%	52 / 38%	53 / 38%

37. Which organizations should receive services from OGI for free? (Check all that apply)

General Public	24	17%
GI Council Member Agencies	67	48%
Participating Organizations	79	57%
Public Agencies (Federal, State, Regional, Local, etc.)	94	68%
Everyone	33	24%
No One	3	2%
Other, please specify	9	6%

38. How should the OGI be funded? (Check all that apply)

GI Council Member Dues/Fees	50	36%
Grants	94	69%
Legislative Appropriation	107	78%
Participating Organization Dues/Fees	43	31%
Sales of Geographic Information	40	29%
Service Contracts	39	28%
Training & Workshops	70	51%
User Fees	30	22%
Other, please specify	6	4%

39. Do you think a general, statewide GIS conference would be beneficial to the Oklahoma GIS community?

Yes	129	91%
No	1	1%
No Opinion	12	8%
Total	**142**	**100%**

40. Would you be willing to support a statewide GIS conference in any of the following ways? (Check all that apply)		
Coordination Staff	43	33%
Equipment	12	9%
Exhibitor	44	34%
Facilities	8	6%
Financial Sponsorship	9	7%
Participation	112	85%
Presentations	64	49%
Training	25	19%
Other, please specify	5	4%

41. Would you be willing to attend a GIS planning focus group meeting? (Check all that apply)		
In Oklahoma City	108	77%
In Tulsa	48	34%
No Participation	16	11%

42. Would you like your contact information added to the GI Council mailing list to receive notification of future Council activities?		
Yes	121	85%
No	22	15%
Total	143	100%