



## 2008 - SCAUG GIS Survey

Q1: Describe your current position:

GIS Manager	25	14.71%
GIS Specialist	25	14.71%
GIS Technician	23	13.53%
GIS Coordinator	19	11.18%
Analyst	16	9.41%
Senior GIS Analyst	11	6.47%
Other	10	5.88%
GIS Director	8	4.71%
GIS Administrator	7	4.12%
Project Manager	5	2.94%
GIS Supervisor	4	2.35%
GIS Programmer	4	2.35%
Analyst II	3	1.76%
Analyst III	3	1.76%
Planner	3	1.76%
Database Administrator	2	1.18%
CAD Technician	1	0.59%
Senior Planner	1	0.59%
Total Respondents	170	100%



## 2008 - SCAUG GIS Survey

### Q2: Organization type:

City/Town Government	58	34%
Commercial/Private Business	58	34%
County Government	16	9%
State Agency/Government	14	8%
Regional Agency/Government	8	5%
U.S. Federal Government/Tribes	8	5%
Education-Staff/Faculty	4	2%
Non-Profit Organization	2	1%
Education-Student	1	1%
Non-U.S. National Government	1	1%
Total Respondents	170	100%



## 2008 - SCAUG GIS Survey

### Q3: Industry Classification:

City/Local Government	55	32%
Architecture, Engineering, and Construction	17	10%
Other	17	10%
Petroleum	16	9%
Cadastral/Land Records	13	8%
Environmental Management	13	8%
Electric and Gas Utilities	7	4%
Pipeline	9	5%
Higher Education	5	3%
Community Development/Planning	4	2%
Forestry	4	2%
Health and Human Services	3	2%
Federal Government	2	1%
Agriculture	1	1%
Conservation	1	1%
Defense/Intelligence	1	1%
Homeland Security	1	1%
Mining/Earth Sciences	1	1%
Total Respondents	170	100%



## 2008 - SCAUG GIS Survey

Q4: Estimate what percent of time during a typical work week in which you perform a geospatial task.

81 - 100%	74	44%
61 - 80%	37	22%
41 - 60%	23	14%
0 - 20%	18	11%
21 - 40%	17	10%
Total Respondents	169	100%

Q5: How many are employed, in total, by your organization?

More than 1500	55	32.54%
501 - 1000	24	14.20%
1 - 20	23	13.61%
201 - 300	10	5.92%
401 - 500	10	5.92%
301 - 400	8	4.73%
1001 - 1500	8	4.73%
21 - 40	7	4.14%
151 - 200	6	3.55%
41 - 60	5	2.96%
101 - 150	5	2.96%
81 - 100	5	2.96%
61 - 80	3	1.78%
Total Respondents	169	100%



## 2008 - SCAUG GIS Survey

Q6: What is your level of SCAUG Membership?

Individual	103	60.95%
Corporate	28	16.57%
N/A	23	13.61%
Enterprise	10	5.92%
Student	5	2.96%
Total Respondents	169	100%

Q7: How long have you been a SCAUG member?

2 - 3 years	50	29.59%
1 year	36	21.30%
N/A	25	14.79%
4 - 5 years	16	9.74%
6 - 7 years	12	7.10%
10 - 11 years	12	7.10%
8 - 9 years	10	5.92%
17 - 18 years	3	1.78%
12 - 13 years	3	1.78%
15 - 16 years	2	1.18%
Total Respondents	169	100%



## 2008 - SCAUG GIS Survey

Q8: SCAUG Chapter:

North Texas	83	49%
South Texas	44	26%
Oklahoma	33	20%
Mississippi	5	3%
Louisiana	4	2%
Total Respondents	169	100%



## 2008 - SCAUG GIS Survey

Q9: What general geographic area are you from:

Dallas/ Ft. Worth, Tx	61	36.09%
San Antonio, Tx	21	12.43%
Oklahoma City, Ok	19	11.24%
Longview, Tx	16	9.47%
Tulsa, Ok	12	7.10%
Austin, Tx	10	5.92%
Houston, Tx	8	4.73%
Beaumont, Tx	4	2.37%
Midland, Tx	3	1.78%
New Orleans, La	2	1.18%
Shreveport, La	2	1.18%
Jackson, Ms	2	1.18%
Corpus Christi, Tx	2	1.18%
Agriculture	1	0.59%
Ardmore, Ok	1	0.59%
El Paso, Tx	1	0.59%
Gulfport, Ms	1	0.59%
Clarksdale, Ms	1	0.59%
Lawton, Ok	1	0.59%
Lubbock, Tx	1	0.59%
Lake Charles, La	1	0.59%
Total Respondents	169	100%



## 2008 - SCAUG GIS Survey

Q10: How many years of Geographic Information System (GIS) experience do you have?

3-5 years	46	27.22%
8-10 years	40	23.67%
11-15 years	35	20.71%
6-7 years	22	13.02%
16-19 years	10	5.92%
1-2 years	8	4.73%
20-24 years	6	3.55%
25 & over	1	0.59%
Less than one year	1	0.59%
Total Respondents	169	100%





## 2008 - SCAUG GIS Survey

Q11: Enter salary range:

\$55,000 - \$59,000	23	13.61%
\$45,000 - \$49,999	22	13.02%
\$50,000 - \$54,999	18	10.65%
\$65,000 - \$69,999	14	8.28%
\$60,000 - \$64,999	14	8.28%
\$35,000 - \$39,999	14	8.28%
\$40,000 - \$44,999	13	7.69%
\$80,000 - \$84,999	8	4.74%
\$70,000 - \$74,999	8	4.74%
\$30,000 - \$34,499	8	4.74%
\$75,000 - \$79,999	7	4.14%
\$90,000 - \$94,999	5	2.96%
\$25,000 - \$29,999	5	2.96%
\$100,000 - \$109,999	3	1.78%
\$85,000 - \$89,999	3	1.78%
\$95,000 - \$99,999	2	1.18%
\$110,000 - \$119,999	1	0.59%
\$15,000 - \$ 19,999	1	0.59%
Total Respondents	169	100%



## 2008 - SCAUG GIS Survey

Q12: Select highest level of education:

Bachelor's Degree	52	30.77%
Master's Degree	43	25.44%
Some postgraduate study	24	14.20%
Associate's Degree	21	12.43%
Some College	19	11.24%
High School	4	2.37%
Multiple postgraduate degrees	3	1.78%
Doctorate Degree	2	1.18%
No Degree	1	0.59%
Total Respondents	169	100%



## 2008 - SCAUG GIS Survey

Q13: In what discipline is your highest educational degree?

Geography	54	31.95%
Other	23	13.61%
GIS	21	12.43%
N/A	12	7.10%
Environmental science	11	6.51%
Computer science	10	5.92%
Engineering	8	4.73%
Business	8	4.73%
Cartography	6	3.55%
Forestry	3	1.78%
Geology	3	1.78%
Natural resources	3	1.78%
Public administration	3	1.78%
Anthropology	2	1.18%
Surveying	1	0.59%
Planning	1	0.59%
Total Respondents	169	100%



## 2008 - SCAUG GIS Survey

Q14: Are you a Certified GIS Professionals (GISP)?

No, I am working on getting my GISP certification	57	34%
No, I am Undecided regarding GISP certification	56	33%
Yes, I am already a GISP	31	18%
No, I do not plan on getting my GISP certification	25	15%
Total Respondents	169	100%

Q15: How many times have you changed your employer in the last five years?

None	77	46%
Once	52	31%
Twice	24	14%
Three times	14	8%
More than three times	2	1%
Total Respondents	169	100%

Q16: If you have changed jobs, what is the nature of that change?

N/A	77	46%
From public sector to another public sector	33	20%
From private sector to another private sector	20	12%
From public sector to private sector	18	11%
From private sector to public sector	13	8%
Other	8	5%
Total Respondents	169	100%



## 2008 - SCAUG GIS Survey

Q17: How many hours, on average, do you work in a typical week?

40 hours	90	53.25%
41 - 44 hours	45	26.63%
45 - 49 hours	19	11.24%
50 - 54 hours	6	3.55%
31 - 35 hours	3	1.78%
36 - 39 hours	2	1.18%
Less than 20 hours	2	1.18%
more than 55 hou	2	1.18%
Total Respondents	169	100%



## 2008 - SCAUG GIS Survey

Q18: What additional forms of compensation, if any, does your organization offer?

Health insurance	166	13.15%
Paid training	145	11.49%
Retirement/Pension plans	137	10.86%
Paid conference attendance	134	10.62%
401(k) or 457 plans (or similar)	129	10.22%
Membership dues in a professional organization	124	9.83%
College tuition reimbursement	114	9.03%
Professional certification reimbursement or support	82	6.50%
Flex time	77	6.10%
Bonus based on individual performance	50	3.96%
Bonus based on organization's performance	49	3.88%
Stock	30	2.38%
Other	25	1.98%
Total Respondents	169	100%



## 2008 - SCAUG GIS Survey

Q19: What GIS and geospatial technology skills are required for your job?

Editing and querying GIS data	157	7.15%
Data analysis	152	6.92%
Data manipulation	148	6.74%
Data acquisition and creation	147	6.70%
Map composition	144	6.56%
Cartography and visualization	140	6.38
Quality assurance/Quality control	134	6.10%
Project planning and implementation	126	5.74%
Database maintenance	119	5.42%
Database design	115	5.24%
Data visualization and reporting	107	4.87%
Geocoding	97	4.42%
Global Positioning Systems (GPS)	88	4.01%
Database/Systems administration	82	3.74%
Data modeling	75	3.42%
Geospatial management	75	3.42%
Application development	65	2.96%
Maintain GIS Web capabilities	55	2.51%
Systems design	52	2.37%
Programming	46	2.10%
Remote sensing	25	1.14%



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Other	24	1.09%
Photogrammetry	22	1.00%
Total Respondents	169	100%

Q20: What other skills are required for your job?

Technical support	124	13.95%
Teaching/Training	122	13.72%
Project management	111	12.49%
Research	97	10.91%
Public speaking	82	9.22%
Report writing	73	8.21%
Personnel management	69	7.76%
Budgeting	66	7.42%
Statistics	49	5.51%
Cost benefit analysis	41	4.61%
Other	33	3.71%
Sales/Marketing	22	2.47%
Total Respondents	169	100%





## 2008 - SCAUG GIS Survey

Q21: Which GIS software(s) do you use on a regular basis? (Select All that Apply)

ESRI	167	62.55%
Autodesk AutoCAD	21	7.87%
AutoDesk Map	18	6.74%
Bentley MicroStation	15	5.62%
ER Mapper	14	5.24%
ERDAS Imagine	11	4.12%
Intergraph GeoMedia	3	1.12%
MapInfo	3	1.12%
Oracle Spatial	3	1.12%
TerraView	2	0.75%
MapPoint	2	0.75%
MapServer	2	0.75%
Maptitude	1	0.37%
MapWindow GIS	1	0.37%
GeoServer	1	0.37%
GRASS	1	0.37%
Caliper TransCADD	1	0.37%
AutoDesk MapGuide	1	0.37%
Total Respondents	169	100%



## 2008 - SCAUG GIS Survey

Q22: If you selected ESRI software for question 13, which ESRI product do you use on regular basis?

ArcInfo	129	21.83%
ArcView	93	15.74%
ArcSDE	83	14.04%
ArcEditor	81	13.71%
ArcIMS	54	9.14%
ArcGIS Server	52	8.80%
ArcExplorer	42	7.11%
ArcPAD	26	4.40%
ArcReader	26	4.40%
ArcGIS Image Server	3	0.51%
N/A	2	0.34%
Total Respondents	169	100%



## 2008 - SCAUG GIS Survey

Q23: If you answered question 14, which ESRI extension(s) has your Organization purchased

ArcGIS Spatial Analyst	107	18.42%
ArcGIS 3D Analyst	93	16.01%
ArcGIS Network Analyst	62	10.67%
ArcGIS Publisher	60	10.33%
ArcGIS Geostatistical Analyst	35	6.02%
ArcGIS Survey Analyst	32	5.51%
N/A	32	5.51%
ArcGIS Data Interoperability	28	4.82%
ArcPress for ArcGIS	25	4.30%
ArcGIS StreetMap	25	4.30%
ArcScan for ArcGIS ArcSDE	16	2.75%
ArcGIS Schematics	15	2.58%
ArcGIS Tracking Analyst	13	2.24%
ArcGIS Business Analyst	9	1.55%
ArcGIS Military Analyst	7	1.20%
PLTS for ArcGIS	6	1.03%
Job Tracking for ArcGIS (JTX)	5	0.86%
Districting for ArcGIS	5	0.86%
Map Production System (MPS)	3	0.52%
ArcLogistics Route	1	0.17%
Community Coder	1	0.17%



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Community Tapestry	1	0.17%
Total Respondents	169	100%

Q24: What sentence best describes Geographic Information System (GIS) in your Organization?

Organization currently uses GIS	157	92.90%
Would use GIS but Organization needs additional training	9	5.33%
Would use GIS if Organization had the hardware/software	2	1.18%
Do not perceive a need for GIS	1	0.59%
Total Respondents	169	100%

Q25: What type(s) of continuing education and/or professional development have you acquired?

On-the-job training	136	40.24%
Vendor specific training	110	32.54%
Professional certification	64	18.93%
Other	28	8.28%
Total Respondents	169	100%

Q26: Describe your current Global Position System (GPS) capacity (Select All that Apply)?

Organization has GPS receivers	138	81.66%
Organization does not integrate GPS	22	13.02%
Organization is purchasing GPS receivers	7	4.14%
Organization leases GPS receivers	2	1.18%
Total Respondents	169	100%



## 2008 - SCAUG GIS Survey

Q27: What type Global Position System (GPS) receiver do you use (Select All that Apply)?

Trimble Navigation	114	49.14%
Garmin	35	15.09%
N/A	30	12.93%
Other	18	7.76%
Magellan	14	6.03%
Leica Geosystems	11	4.74%
AVL	5	2.16%
DeLorme	3	1.29%
Lowrance	2	0.86%
Total Respondents	169	100%

Q28: Do you integrate remotely sensed imagery or aerial photography into your Geographic Information System?

Yes	157	92.35%
No	13	7.65%
Total Respondents	170	100%



## 2008 - SCAUG GIS Survey

Q29: What is the source and type of your imagery (Select All that Apply)?

High Resolution Digital Orthophotography (6" Resolution or Less)	110	33.33%
USGS Digital Orthophotography Quadrangles (DOQQ)	76	23.03%
Other	46	13.94%
Pictometry	38	11.52%
EROS LandSat	14	4.24%
IKONOS High Resolution Imagery	11	3.33%
N/A	11	3.33%
Quick Bird High Resolution Imagery	10	3.03%
EROS National High Altitude Photography	8	2.42%
SPOT Imagery	6	1.82%
Total Respondents	170	100%

Q30: Do you provide spatial data to internal or external agencies?

Yes	152	89.41%
No	18	10.59%
Total Respondents	170	100%

Q31: Does your organization have a written data distribution policy?

Yes	89	52.35%
No	81	47.65%
Total Respondents	170	100%



## 2008 - SCAUG GIS Survey

Q32: How do you document your Geographic Information Systems (GIS) data, what standard does your organization use?

I do not document GIS data	71	41.76%
Federal Geographic Data Committee (FGDC)	68	40.00%
Other ...	18	10.59%
Content Standard for Digital Geospatial Metadata (CSDGM)	11	6.47%
International Standards Organization (ISO)	2	1.18%
Total Respondents	170	100%