



# State of Kansas Data Access & Support Center

Introduction	2
Executive Summary	3
Funding	5
Organizational Chart	7
IT Architecture	8
Primary Services	11
Secondary Services & Additional Initiatives	25
Future	33
Appendix A - Data Deliveries	36
Appendix B - Invoices	37
Appendix C - Datasets Available on Web	39

DASC is located at:  
University of Kansas  
Kansas Geological Survey  
1930 Constant Avenue  
Lawrence, Kansas 66047  
Tel: 785-864-2000 Fax: 785-864-5317  
dasc@kgs.ku.edu  
www.KansasGIS.org

This report was prepared by the DASC Staff:  
Ken Nelson, DASC Manager  
Eileen Battles, GIS Specialist  
Nick Callaghan, GIS Specialist  
Mike Killion, GIS Database Admin/Web Developer  
Brent Miller, Research Aide  
Amber Reynolds, Web Portal Manager





## State of Kansas Data Access & Support Center

The Data Access & Support Center (DASC) serves as the geospatial data clearinghouse for the State of Kansas. DASC was formed by the Kansas GIS Policy Board in 1991, and is located at the Kansas Geological Survey (KGS) at the University of Kansas. DASC operates under the direction of the Kansas GIS Director and Kansas GIS Policy Board, and provides a variety of services to the Kansas GIS community including:

- Database archival and distribution;
- Database quality assurance/quality control (QA/QC);
- Technical assistance;
- Geospatial metadata development assistance;
- Web application development and hosting;
- Database development;
- Cartographic development;
- Promotion of the Kansas GIS Initiative.

This report provides a detailed description of the services provided by DASC during State of Kansas Fiscal Year 2006 (July 1, 2005 June 30, 2006).



# State of Kansas Data Access & Support Center

## Executive Summary

Since its founding in 1991, DASC has served as the geospatial data clearinghouse for the State of Kansas. While geospatial technologies have evolved over the past 15 years, DASC's main objective has remained the same - provide effective geospatial data distribution services to the Kansas GIS Community. The past decade has seen a dramatic growth in the implementation of geospatial technologies among all levels of government and the private sector. While DASC's focus has remained the same, the methods required to do the job have changed dramatically. Over the past several years, DASC has transitioned from a traditional data clearinghouse to a web-based GIS service provider. DASC has worked hard to stay at the leading edge of geospatial technology to meet the needs of the growing Kansas GIS community.

DASC provides access to the Kansas Geodatabase in a variety of ways - prepackaged data files available for download in multiple formats; custom interactive mapping applications; and through a series of web map services. In the more traditional sense, DASC distributed nearly 118,000 files, representing approximately 1.5 terabytes (TB) of data. Of these files, over 93,000 were downloaded from the KGCC web site. DASC's web-based applications also generated nearly 2.5 million map images displaying content from the Kansas Geodatabase. These applications were accessed from over 50,000 distinct Internet Protocol (IP) addresses.

DASC continued to provide web-based GIS application development and hosting services for state and local government, and non-profit organizations. Web-based GIS applications have proven to be an effective way to enhance access to the Kansas Geodatabase and broaden the reach of the Kansas GIS Initiative. Historically, only those with expensive GIS software, high-end workstations, and technical training could benefit from the state's investment in geospatial technology and data. The availability of web-based GIS software combined with DASC's Web Services Initiative, has allowed more users to benefit from geospatial technology, resulting in a much larger return on investment.

During FY06 DASC continued to promote the vision and concepts of the Kansas GIS Initiative. Following the lead of the Kansas GIS Policy Board, DASC supported the organization of a series of Local GIS Outreach Workshops in coordination with the Kansas Association of Counties (KAC) and the Kansas Collaborative. A total of six workshops were held during Spring, 2006 and offered a great deal of information on data availability and state, local, and



## State of Kansas Data Access & Support Center

federal GIS programs. The workshops were well received and provided a good opportunity for networking with local government personnel. DASC staff members served on several GIS-related committees including the Kansas GIS Policy Board's Technical Advisory Committee (TAC), the Kansas Association of Mappers (KAM), and the MidAmerica GIS Consortium (MAGIC). DASC also facilitated the creation of a series of thematic data committees under the TAC to provide a mechanism for more effective discussion and planning of database development and maintenance issues. Four TAC data committees (Imagery & Elevation, Land Surface/Geology/Soils, Transportation, and Water Resources) were established during FY06 and they have been very effective thus far in addressing these issues.

In an effort to enhance its server and database redundancy, DASC completed the installation of an offsite backup server in collaboration with the United States Geological Survey (USGS) and the Arkansas Geographic Information Office (AGIO). The system was installed at the AGIO office in Little Rock, Arkansas in October, 2006 and has become an integral part of DASC's service continuity plans.

DASC made several improvements to the Kansas Geospatial Community Commons (KGCC) web site, including an updated web site design and a new version of the geodatabase catalog. The revised catalog makes data easier to find, includes an interactive map preview for each data layer, provides access to data via map services, and offers data downloads in multiple formats. DASC also republished most of the data layers in a seamless statewide format, moving away from traditional tiling schemes such as counties or USGS quadrangles. This effort reduced the number of files necessary for any given data layer and greatly improved the user experience.

The remainder of this report provides a detailed description of DASC's objectives and accomplishments during FY06, and identifies initiatives and direction for the coming year.



# State of Kansas Data Access & Support Center

## Funding

DASC relies on three primary funding sources to support the variety of services it offers. These funding sources include the annual baseline funding provided by the State of Kansas Department of Administration (KDA) Division of Information Systems and Communications (DISC), in-kind support provided by the Kansas Geological Survey (KGS), and fee-for-service activities. The FY06 baseline funding provided by DISC was \$246,316. The DISC funding provides salary support for the following positions: two full-time GIS specialists; one full-time web application developer; one half-time research aide; and half-time salary support for the DASC manager position. The budget also helps to cover costs of hardware and software acquisition, maintenance fees, and limited in-state and out-of-state travel. KGS provides operational support to the DASC in the form of office space, telecommunications, use of KGS vehicles, and access to computer support staff.

In addition to the annual funding provided by DISC and the operational support provided by KGS, DASC also generates revenue through fee-for-service activities and grant funding opportunities. The revenue generated by these activities (usually referred to as “additional initiatives” or “secondary services”) broadens the scope of the DASC program, increase our capacity to provide service, and helps to cover the rising hardware and software costs of providing IT-related services. Because the additional initiatives do not follow set fiscal calendars, the most effective way to quantify the level of activity within any given state fiscal year is to calculate the total salary expenses for the entire DASC staff, not just those funded by the annual contract. The total DASC staff expenses (gross salary + fringe benefits) for FY2005 exceeded \$300,000. This total staffing expense fluctuates annually depending on the amount of fee-for-service or grant-related activity. Considering the various funding sources, the total financial commitment required to fund the DASC operation during FY05 exceeded \$350,000.

While this funding model is a management challenge, it allows the costs of the primary clearinghouse services to be covered by the annual baseline budget (provided by DISC), and any additional or “custom” work to be funded by individual customers. This practice is in keeping with the concept of “primary” and “secondary” services detailed in the DASC contract and has been employed by DASC since its inception in 1991. DASC is interested in investigating funding models that could provide more stability to the staff and services supported by fee-for-service activities, as these are variable by nature.

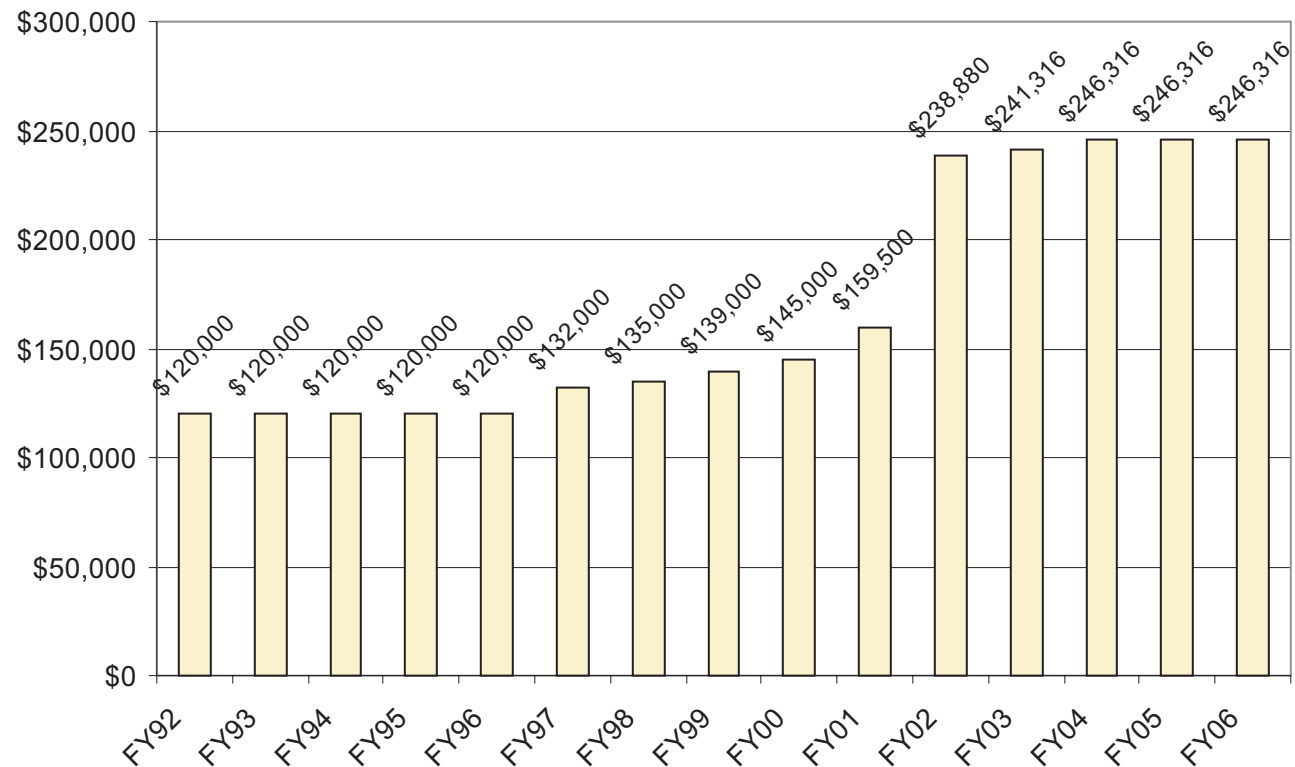




# State of Kansas Data Access & Support Center

## DASC Baseline Budget: FY92 - FY06

Fiscal Year 2006 Annual Report



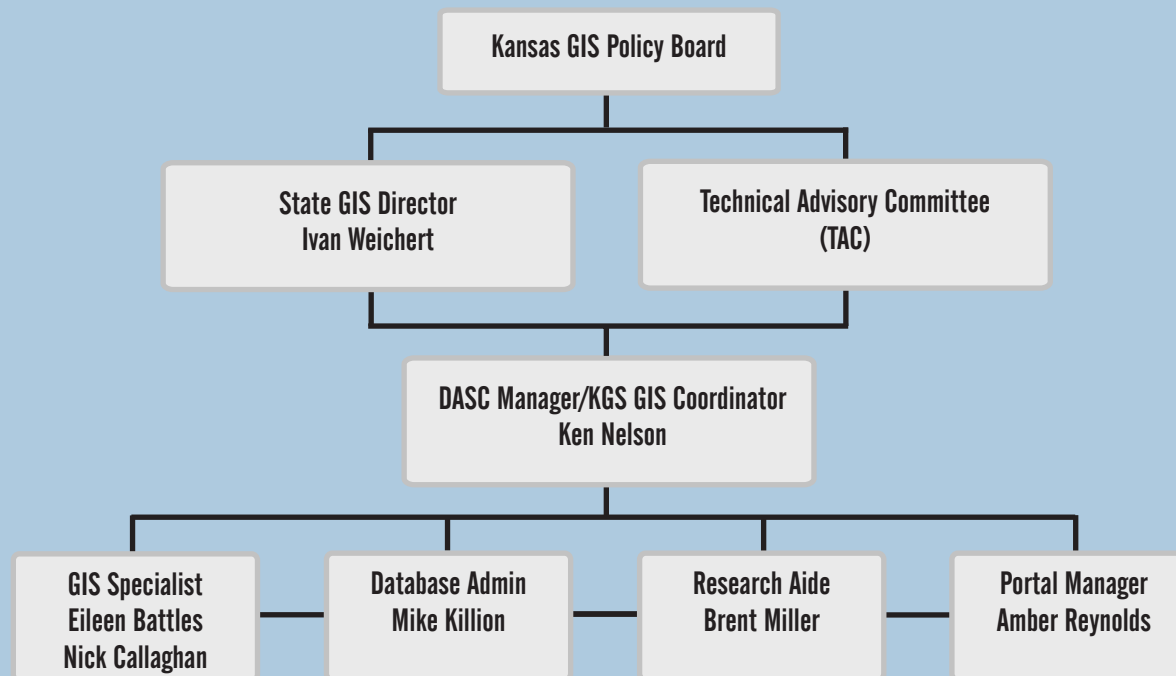
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# State of Kansas Data Access & Support Center

## DASC Organizational Chart: FY06



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# State of Kansas Data Access & Support Center

## IT Architecture

Note: As previously stated, DASC is located at KGS and benefits from the KGS IT infrastructure and computer services staff. The resources and practices listed below represent the efforts of both DASC staff and support from KGS computer services staff.

### Software Environment:

Function	Product	Platform
Web Server	Apache HTTP Server	Unix/Windows
Servlet Engine	Apache Tomcat	Unix/Windows
Web application server	ColdFusion	Windows
GIS software	ArcGIS	Unix/Windows
Internet mapping software	ArcIMS	Windows
Spatial Database Engine	ArcSDE	Unix
RDBMS	Oracle	Unix

### Hardware Environment:

Web application server:	Dell PowerEdge, Dual Xeon 3.2Ghz, 1GB RAM
RDBMS server:	SunFire, Quad UltraSparc III, 16GB RAM, 2+ TB storage, RAID 5 configuration
Web document server:	Adaptec Snap Server, 1.5TB, RAID 5 configuration





# State of Kansas Data Access & Support Center

## Backup Policy

### Redundant data backup:

- On-site/Off-site
- Multiple electronic media formats (CD, 8mm tape, DLT tape, DVD)
- Oracle backup & file based system backup

### Redundant Oracle server:

- Nightly replication
- Hosted at KU Computer Center
- Hosted at the Arkansas Geographic Information Office (AGIO)

### Remote system management utilities:

- System (stop/start services - Apache, Tomcat, ColdFusion, ArcIMS, reboot)
- Map services (start/stop/add/remove/edit/transfer) to backup servers
- Automated error tracking and notification
- Only requires a browser - password protected

### Redundant application servers

- Apache HTTP server
- Tomcat servlet engine
- ColdFusion/Java
- ArcIMS



# State of Kansas Data Access & Support Center

## Remote Backup System

In an effort to enhance server and database redundancy, DASC worked towards the implementation of an offsite backup server. During FY2005, with funding support from the United States Geological Survey (USGS), DASC began acquiring the hardware and software components necessary to fully replicate the Kansas Geodatabase and the KGCC web portal. The Arkansas Geographic Information Office (AGIO) agreed to host the server at their offices in Little Rock, Arkansas. DASC has been hosting a backup server for AGIO since FY04. The backup server was installed at AGIO in October, 2006. Current backups of all databases and application files are maintained on the server. DASC is currently working to implement web-based technologies that will allow for immediate failover to the backup system. The hardware and software components of the backup system are as follows:

### Hardware:

- RDBMS server - Sun Fire V240
- Application server - Dell PowerEdge 2850
- Storage array - HP StorageWorks MSA30
- Hard disk storage - (10) 146.8-GB 10,000 rpm
- Uninterruptible Power Supply (UPS) - APC 1000
- Rack storage - 15U height computer system rack

### Software:

- ColdFusion MX 7 Application Server
- ArcIMS
- ArcSDE
- Oracle Standard Edition
- Apache HTTP Server
- Jakarta-Tomcat Servlet Engine



# State of Kansas Data Access & Support Center

## Description of Primary Services

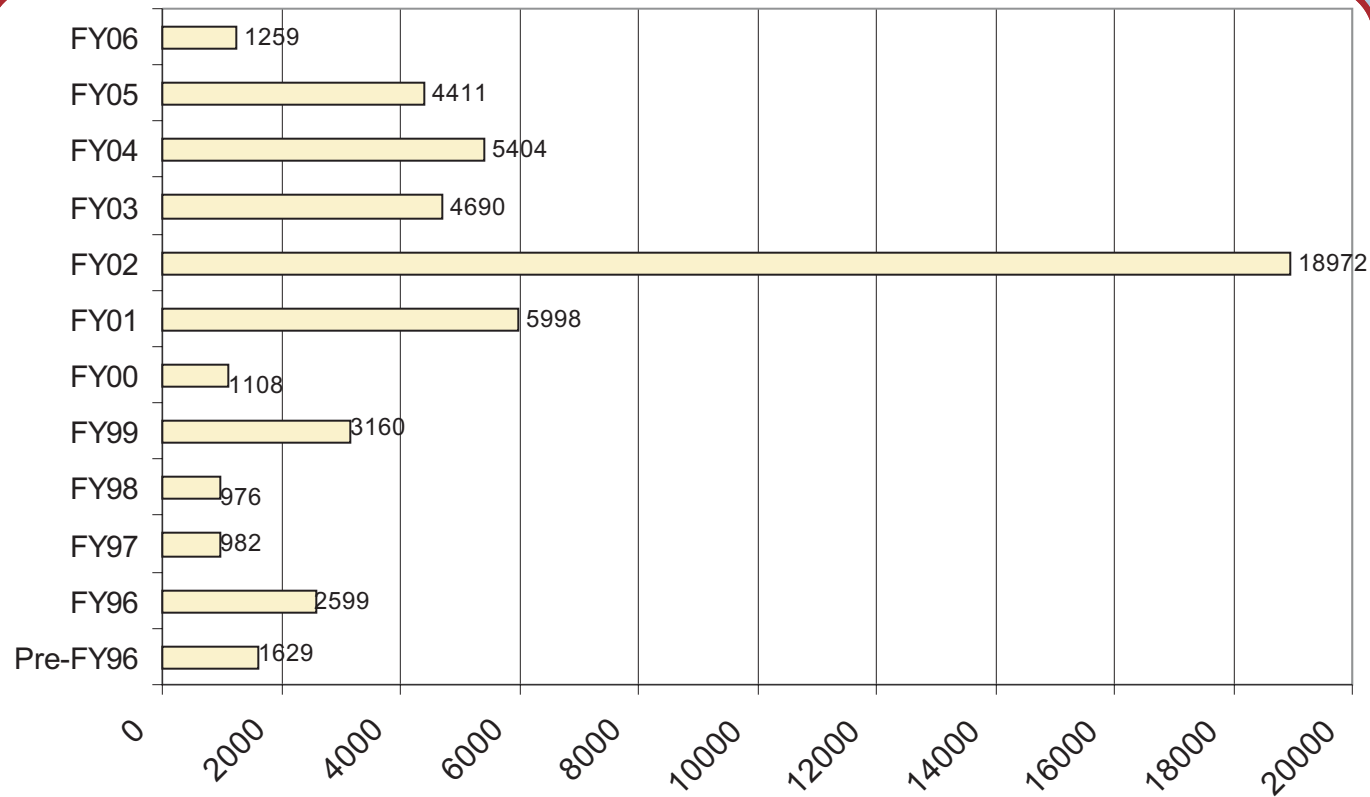
- Review core data sets and check work of contracting agencies to assure compliance with contract specifications and Kansas database standards. Provide monthly and semi-annual database compliance reports to the Technical Advisory Committee (TAC);
- Respond to requests for basic conversion services from all federal/state/municipal tax-supported agencies/entities for the cost of media and shipping and handling. Basic conversion services shall include the processing of the Kansas Geodatabase in their native projection and tiling scheme into DASC-supported spatial data exchange formats and also include technical support for the loading and importation of the data. Respond to requests on a need/priority basis established by the DASC manager and periodically reviewed by the TAC. Maintain an accurate and complete log of all requests, work, and consultation;
- Provide basic conversion services to private sector or non-tax-supported organizations on a fee-for-service basis;
- Provide supplemental conversion services to all organizations on a fee-for-service basis as specified in the DASC fee schedule. Supplemental services shall include the alteration of native projection, tiling scheme, or topological structure. Respond to requests on a need/priority basis established by the TAC;
- Prepare, maintain, and distribute a Kansas Geodatabase catalog. Use various methods including the Kansas Geospatial Community Commons (KGCC) web site and GIS newsletters to distribute information on updates to the catalog;
- Maintain an on-line digital data library of Federal Geographic Data Committee (FGDC) compliant metadata and GIS databases. Maintain a National Spatial Data Infrastructure (NSDI) compliant clearinghouse node on the Internet; as per the agreement with the USGS NSDI program. Archive old databases as revised databases are received from custodial agencies. Publish new databases received from custodial agencies that meet Kansas quality standards;
- Work with the TAC and other appropriate groups on development, refinement and implementation of standards to facilitate data exchange and compatibility;
- Document problems, errors, deficiencies and needs of the core database using established procedures for error reporting and internal error detection. Recommend corrective action;
- Consult with the TAC on a regular basis regarding development and implementation of annual implementation plans, delivery of DASC services, coordination of agencies' database development projects and acquisition of digital data.



# State of Kansas Data Access & Support Center

## Data Delivery Files Tested: FY96 - FY06

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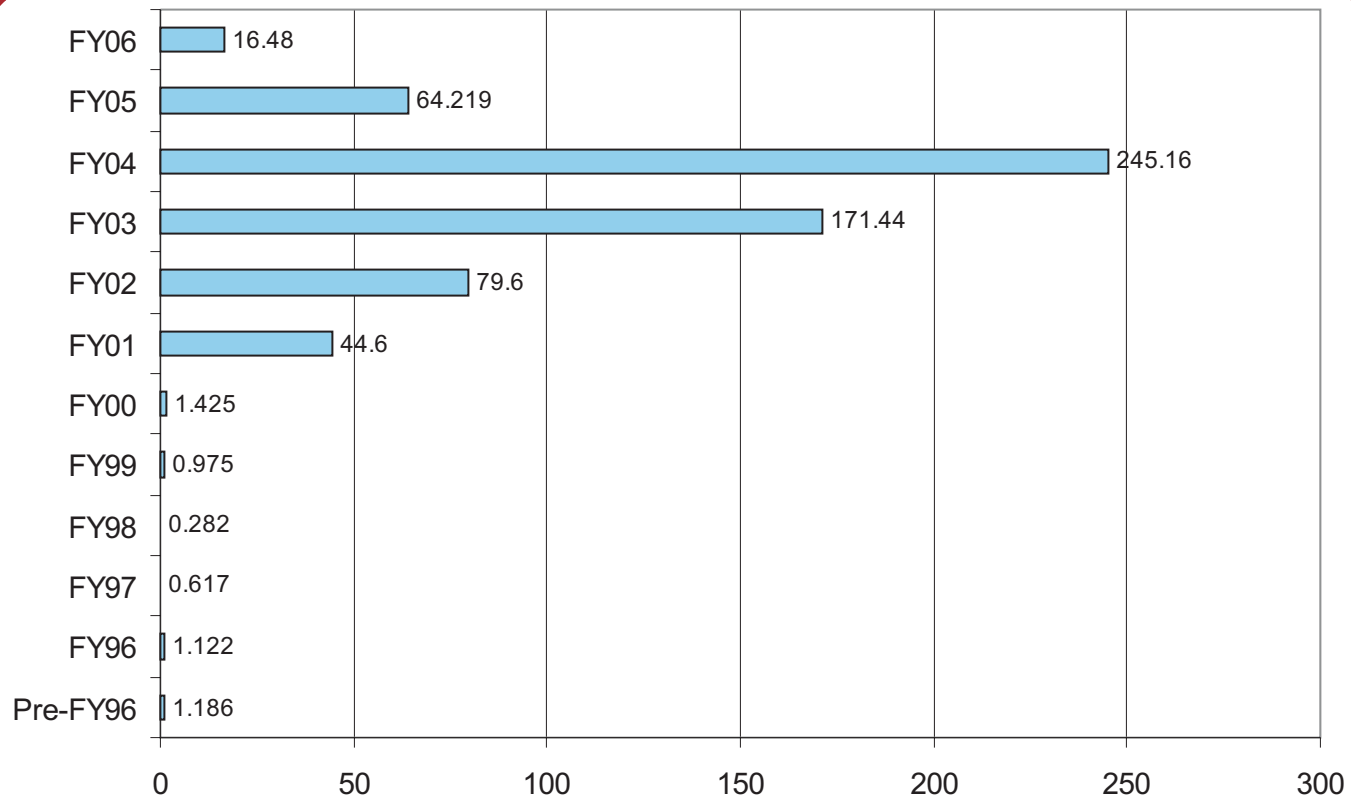
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# State of Kansas Data Access & Support Center

## Data Delivery File Size Tested: FY96 - FY06



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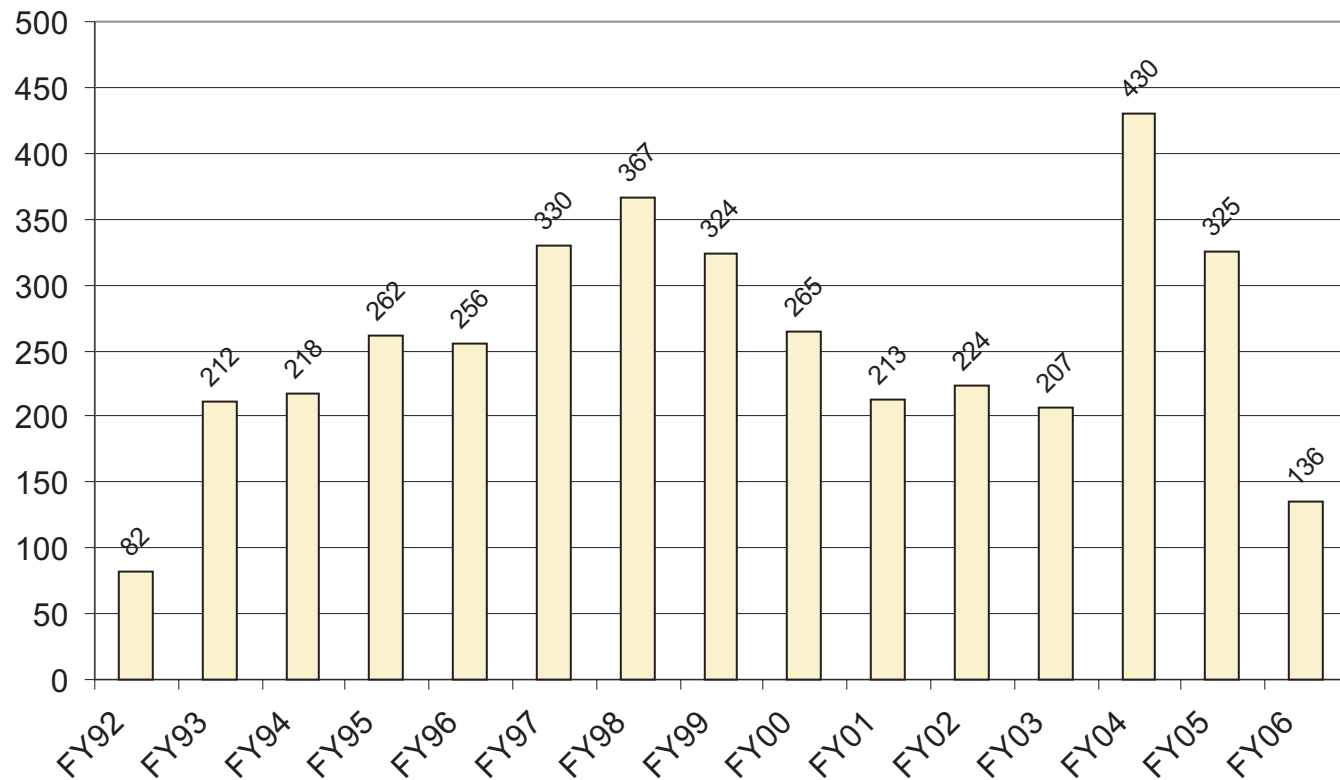




# State of Kansas Data Access & Support Center

## Staff-Assisted Data Requests: FY92 - FY06

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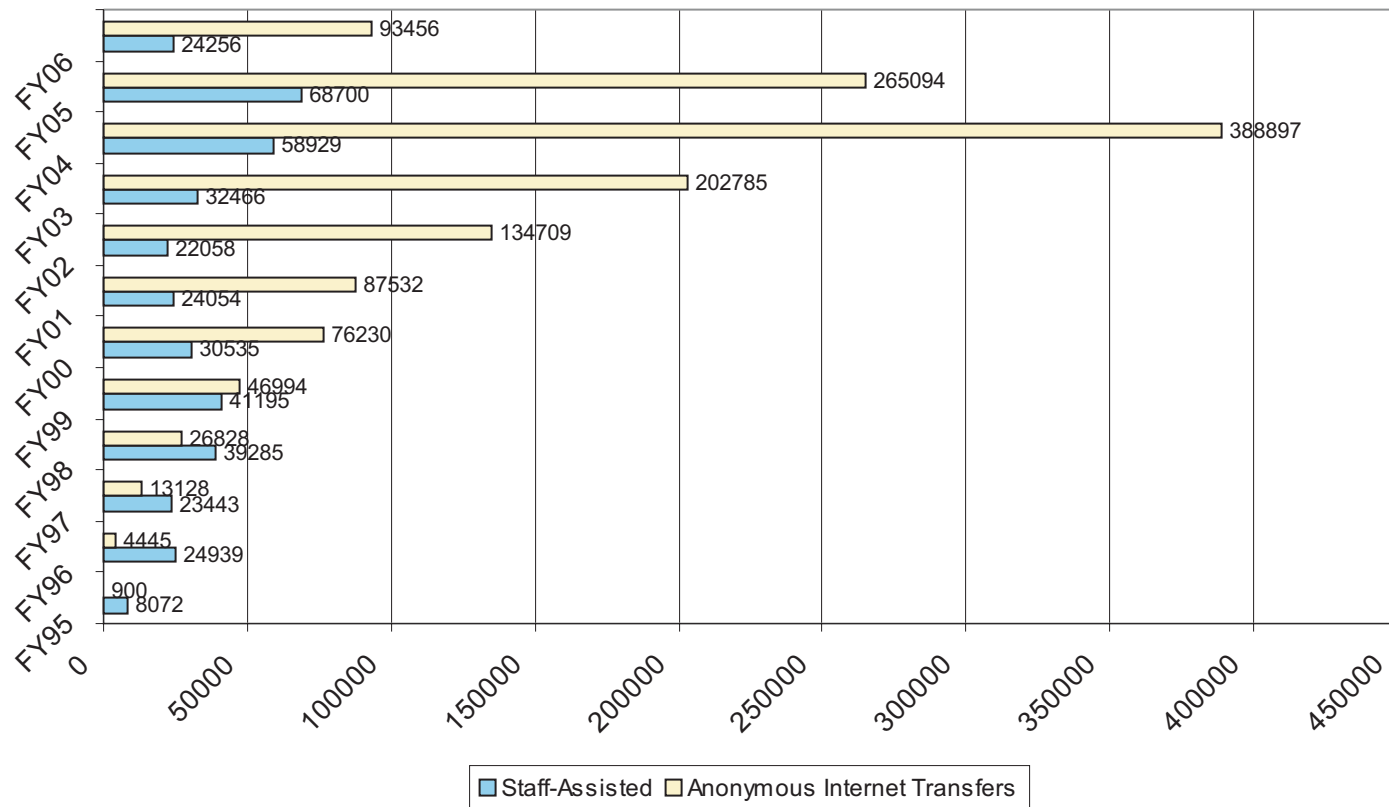
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## Total Files Distributed: FY95 - FY06



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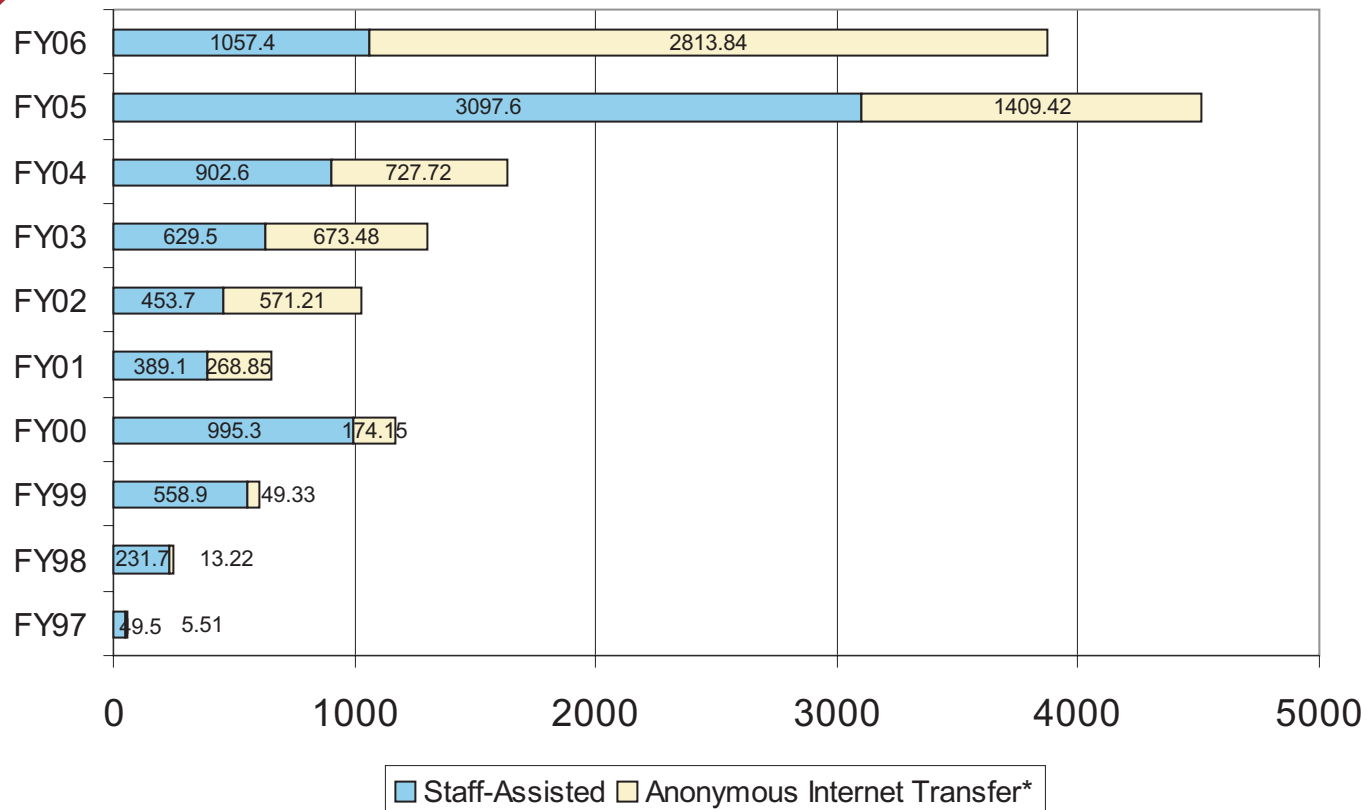
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# State of Kansas Data Access & Support Center

## Total File Size Distributed: FY95 - FY06



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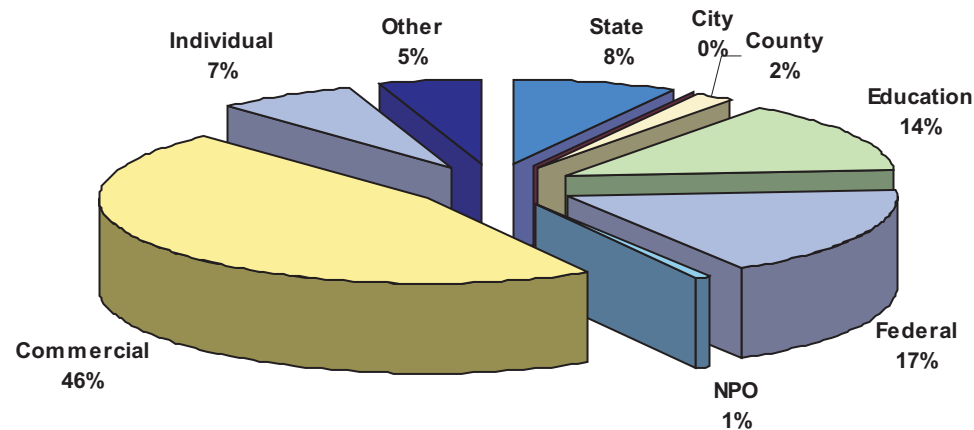
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# State of Kansas Data Access & Support Center

## Requests by Organization: FY06



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## Data Access and Support Center

### ***Distribution of Data Requests - Annual FY2000***

[illegible]



[illegible]



[illegible]

[illegible]

US House of Representatives Districts - 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	5
US House of Representatives Districts - 2002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	0	25
USGS 100K Quadrangle Boundary	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	117	0	117
USGS 24K Quadrangle Boundary	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	433	0	433
USGS 250K Quadrangle Boundary	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65	0	65
USGS Surface Water Gauging Station Locations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	0	28
Unified School Districts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	0	41
Unified School Districts - 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	123	0	123
Unified School Districts - 2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82	0	82
Voter Precincts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	
Voting Districts - 1990	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	121	0	121
Voting Districts - 2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51	0	51
Water Information Management and Analysis System (WIMAS) v. 4.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	282	1	283
Water Information Management and Analysis System (WIMAS) v. 5.0 - Online	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Watershed District	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	154	0	154
Zip Code (3-digit) Boundaries - 2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	0	23
Zip Code (5-digit) Boundaries - 2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	128	0	128
Other/Map	0	0	0	0	0	0	1	11	1	2	0	0	9	171	1	2	0	0		12	186
<b>TOTAL</b>	<b>11</b>	<b>6712</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>178</b>	<b>20</b>	<b>199</b>	<b>23</b>	<b>5968</b>	<b>2</b>	<b>108</b>	<b>62</b>	<b>10021</b>	<b>10</b>	<b>659</b>	<b>5</b>	<b>410</b>	<b>93456</b>	<b>137</b>	<b>117712</b>

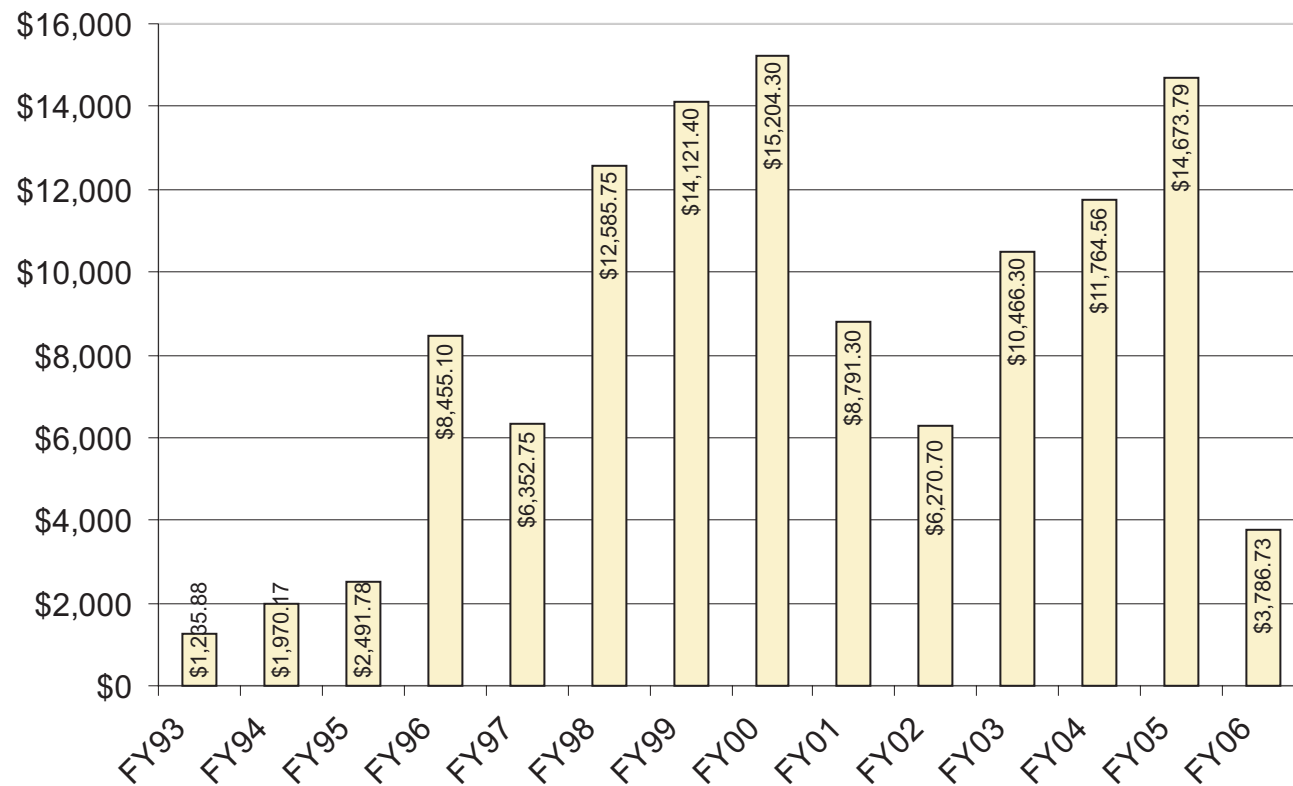




# State of Kansas Data Access & Support Center

Income: FY93 - FY06

*Fiscal Year 2006 Annual Report*



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# State of Kansas Data Access & Support Center

## Description of Secondary Services

- Provide GIS products and services other than those related to the GIS Core Database (e.g. maps and technical support for the use or application of the data) to all organizations on a fee-for-service basis;
- Provide professional development opportunities for DASC staff through attendance at various meetings, conferences and workshops related to GIS technology and DASC services;
- Accept and make available other GIS and thematic data layers or metadata documentation that meet minimum standards established by the TAC and that have been approved for acceptance by the Board. Encourage database requesters to share end products derived from the core database;
- Promote GIS technology and use of the Kansas Geodatabase;
- Improve various databases acquired by the Board to produce a more usable GIS product. Convert and transform these databases as directed by the TAC;
- Seek out additional funding sources to extend DASC's mission and services.

NOTE: Provided as resources are available. Any fees derived from DASC activities shall be accounted for separately and shall be applied to the DASC operation as specified by the Board.



# State of Kansas Data Access & Support Center

## Coordination & Promotion Activities

The following table represents the schedule of events (i.e. conferences, workshops, training courses, and symposiums) that DASC participated in during FY06.

Date	Event	Location	Activity
July 12, 2005	Kansas City ArcInfo User Group	Lawrence, KS	Hosted meeting/IMS presentation
August 17-18, 2005	LIDAR Workshop	Sioux Falls, SD	Attended workshop
October 3-6, 2005	Kansas Association of Mappers Conference	Wichita, KS	Booth display/DASC presentation
October 9-11, 2005	URISA Conference	Topeka, KS	Booth display
October 12-14, 2005	Backup Server	Little Rock, AR	Backup server installation
October 14-16, 2005	MAGIC Retreat	Osage Beach, MO	Participate in planning retreat
November 9-10, 2005	Kansas County Officials Association Conference	Wichita, KS	Booth display
November 20-22, 2005	Kansas Association of Counties Conference	Topeka, KS	Booth display/DASC presentation
January 6-8, 2006	MAGIC Retreat	Lake of the Ozarks, MO	Participate in planning retreat
January 26, 2006	WRAPS Conference	Salina, KS	DASC presentation
March 3, 2006	Local GIS Outreach Workshop	Oskaloosa, KS	DASC Presentation
March 6, 2006	KBS Brown Bag Lunch	Lawrence, KS	KGS/DASC Presentation
March 16-18, 2006	ESRI Developer Summit	Palm Springs, CA	Attended conference
March 29, 2006	Local GIS Outreach Workshop	Colby, KS	DASC Presentation
March 30, 2006	Local GIS Outreach Workshop	Garden City, KS	DASC Presentation
April 19, 2006	Little KAC Meeting	Chanute, KS	What is GIS Presentation
April 23, 2006	MAGIC Symposium	Kansas City, MO	Web design short course
April 24 - 27, 2006	MAGIC Symposium	Kansas City, MO	Booth display
April 27, 2006	MAGIC Symposium	Kansas City, MO	ArcIMS short course
May 2, 2006	Local GIS Outreach Workshop	Salina, KS	DASC Presentation
May 3, 2006	Local GIS Outreach Workshop	Hutchinson, KS	DASC Presentation
May 16 - 18, 2006	Infinetec User Conference	Topeka, KS	DASC presentation
May 26, 2006	Local GIS Outreach Workshop	Chanute, KS	DASC Presentation

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# State of Kansas Data Access & Support Center

## Coordination & Promotion Activities

DASC Staff members served on the following committees:

- Kansas GIS Policy Board's Technical Advisory Committee (TAC);
- TAC Imagery & Elevation Data Committee;
- TAC Land Surface/Geology/Soils Data Committee;
- TAC Transportation Data Committee;
- TAC Water Resources Data Committee;
- MidAmerica GIS Consortium (MAGIC);
- MAGIC Symposium Planning Committee & 2006 Symposium Co-Chairperson;
- Kansas Association of Mappers (KAM) Board of Directors;
- Kansas Association of Mappers (KAM) Annual Conference Planning Committee;
- Kansas Collaborative GIS Breakthrough Team;
- Local GIS Outreach Workshops Planning Committee.

DASC hosted and maintained the web sites and email list servers for KAM, MAGIC, TAC, and the TAC data committees. DASC's involvement in these activities has helped to build and maintain solid working relationships with GIS and IT professionals within the Kansas GIS community and the MAGIC region.

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# State of Kansas Data Access & Support Center

## Additional Initiatives: Database Development

DASC worked on two database development projects during FY06 "Public Water Supply (PWS)" and "1/3 Arc-Second Digital Elevation Model (DEM)." The PWS database was developed in collaboration with the Kansas Water Office (KWO) and the Kansas Rural Water Association (KRWA) and contains updated service areas and generalized infrastructure features. The PWS database is used by KWO in regional public water supply strategies and other water planning efforts. The database is also used for permitting activities by the Kansas Department of Agriculture, Division of Water Resources Water Appropriations Program; and by the Public Water Supply Section, Bureau of Water at the Kansas Department of Health and Environment. The PWS database is expected to be completed in early FY07.

Under an FY06 GIS Policy Board database development project, DASC worked with USGS to develop 1/3 arc-second DEMs for 39 1:24,000 USGS quadrangles. This project is the continuation of an ongoing effort to upgrade all the 1:24,000-scale USGS DEM files to 1/3 arc-second format. DASC's role in the project was to develop the Tagged Vector Contour (TVC) files required for DEM production and to provide the files to the USGS Nation Geospatial Technical Operations Center (NGTOC) in Rolla, Missouri. DASC's portion of the project was completed in June, 2006.





# State of Kansas Data Access & Support Center

## Additional Initiatives: Web Services

During FY06, DASC continued to promote its web services initiative. The goal of this initiative is to provide cost-effective geospatial web services to state and local government. Application development and hosting services are provided on a fee-for service basis. The fees charged for these services are used to cover personnel expenses and to support hardware and software infrastructure. This initiative has been very effective in promoting the use of geospatial technologies and has resulted in the development of new databases. Spatial databases and GIS applications have traditionally been accessible to a relatively small group of technical users. Web-based GIS applications have allowed for spatial data and GIS technology to be distributed to a much wider and more diverse audience.

### Applications hosted during FY06:

- Statewide Comprehensive Outdoor Recreation Plan (SCORP) - Kansas Department of Wildlife & Parks (KDWP);
- Archeological Spatial Data Server - Kansas State Historical Society (KSHS);
- Find My Elected Officials - Kansas Legislative Research Division (KLRD);
- Equus Beds Information Resource - Kansas Department of Health & Environment (KDHE);
- Kansas Green Report - Kansas Applied Remote Sensing (KARS) Program;
- Kansas Registered Offenders - Kansas Bureau of Investigation (KBI);
- Douglas County Property Valuation Viewer - Douglas County, KS;
- City of Lawrence Map Viewer - City of Lawrence, KS;
- Shawnee County Public Access GIS Viewer - Shawnee County, Kansas;
- Watershed Project Management System v1.0 - Kansas Water Office (KWO);
- NEKES Map Viewer - Northeast Kansas Environmental Services;
- Kansas ImageViewer, Kansas Land Cover, Kansas Aquifers, and Kansas Basemap - general purpose data viewing applications developed and hosted by DASC.



# State of Kansas Data Access & Support Center

## Additional Initiatives: Web Services

Applications under development during FY06:

- Water Use Filing Reporting System Kansas Department of Agriculture/Division of Water Resources (KDA/DWR);
- Watershed Project Management System Enhancements v2.0 - Kansas Water Office (KWO) completed June, 2006;
- Historic Property Inventory - Kansas State Historical Society (KSHS);
- Cost Share Management System Map Viewer - State Conservation Commission (SCC) completed May, 2006;
- Pharmfinder, Kansas Department of Health & Environment (KDHE) completed January, 2006;
- Geolocator - Information Network of Kansas (INK) Board of Directors completed March, 2006;
- MapMaker - Information Network of Kansas (INK) Board of Directors completed August, 2006;
- MapServer - Information Network of Kansas (INK) Board of Directors completed May, 2006;
- ParkLocator - Information Network of Kansas (INK) Board of Directors completed May, 2006;
- Kansas Administrative Boundaries Database & Map Viewer, Kansas Division of Emergency Management (KDEM);
- KAWS Map Viewer Kansas Alliance for Wetlands & Streams;
- CommunityRx Network Division of Health Policy & Finance completed January, 2006.

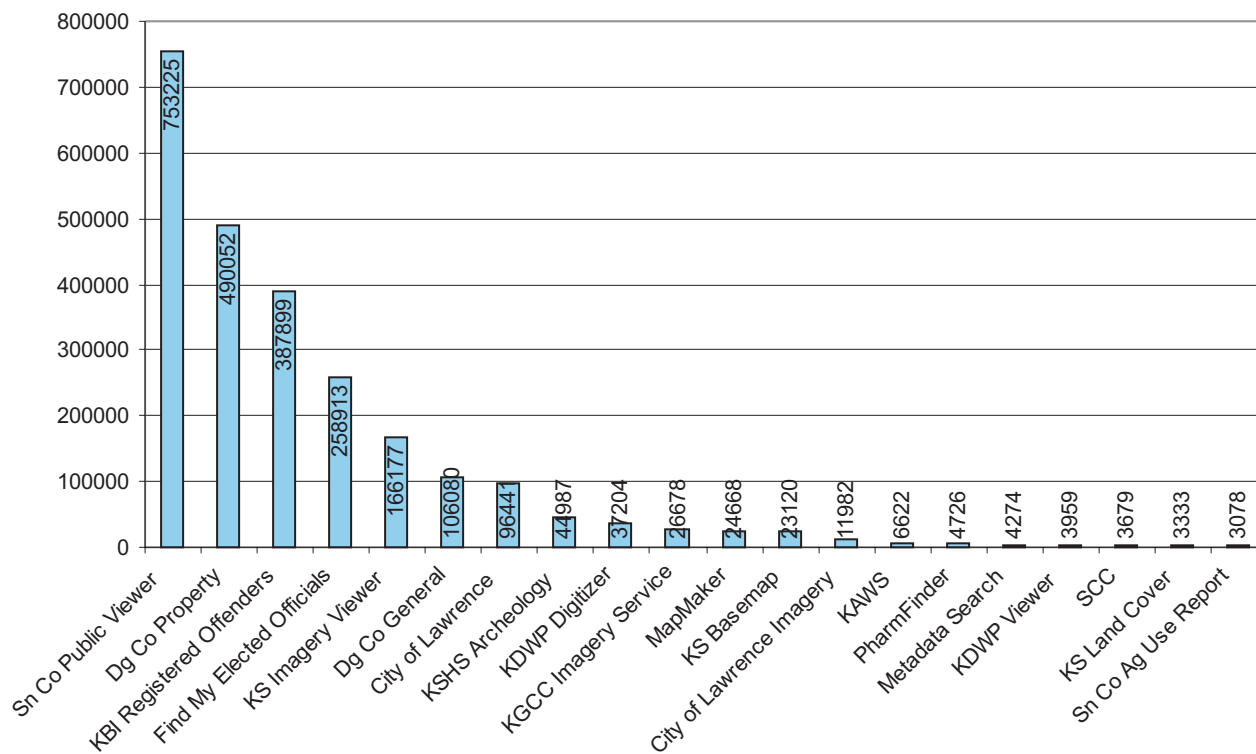
Applications scheduled for development or enhancement during FY07:

- Water Use Filing Reporting System, Kansas Department of Agriculture/Division of Water Resources;
- Floodplain Mapping Interactive Mapping System; Kansas Department of Agriculture/Division of Water Resources;
- Private Hunting Lands Interactive Mapping System, Kansas Department of Wildlife & Parks;
- KAWS Mapper, Kansas Association of Wetlands & Streams (KAWS);
- Douglas County Property Valuation Viewer Enhancements Douglas County, KS;
- Geolocator enhancements;
- MapMaker enhancements.



# State of Kansas Data Access & Support Center

## Top 20 Map Services by No. of Images: FY06

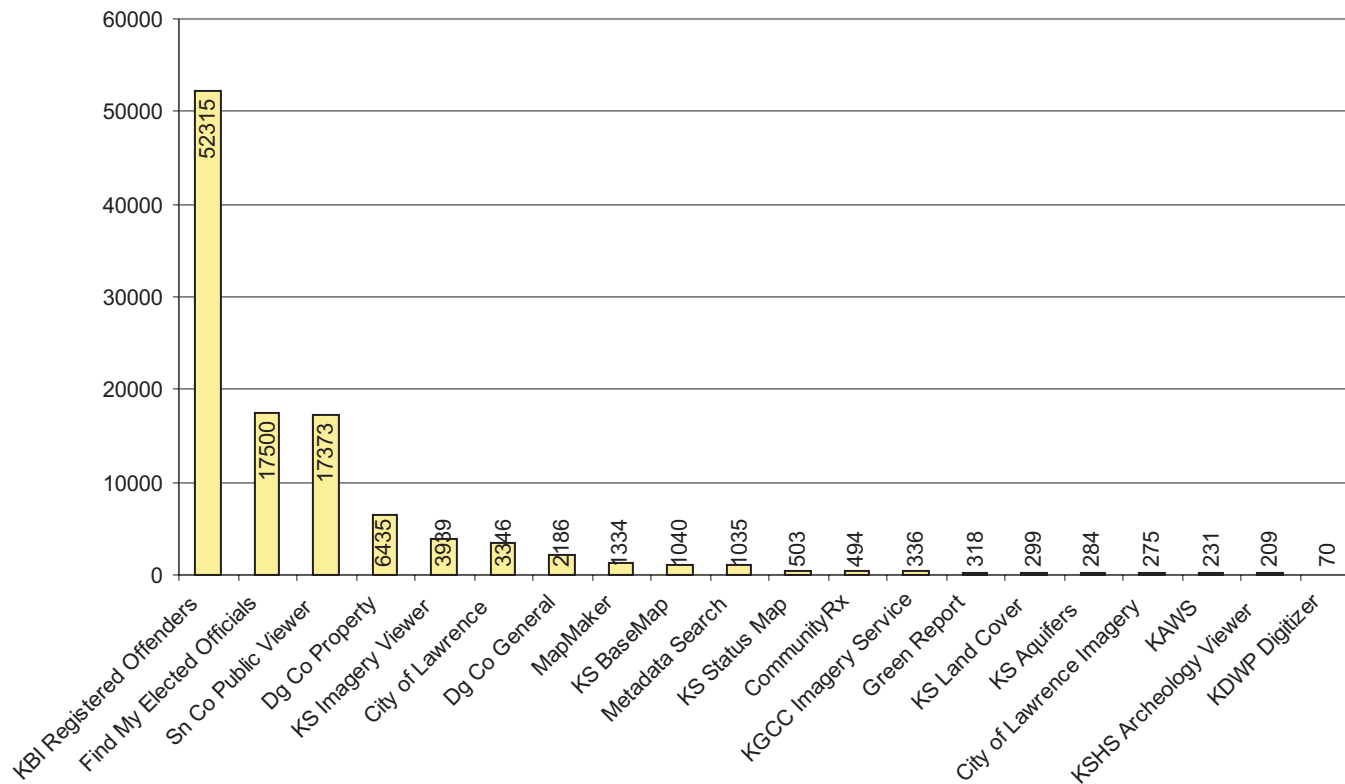






# State of Kansas Data Access & Support Center

## Top 20 Map Services by No. of Distinct IPs: FY06





# State of Kansas Data Access & Support Center

## Future: Information Discovery & Distribution

DASC will continue to improve the functionality and usability of the KGCC web site. While several enhancements were made to the portal during FY06, more can be done to improve the user experience. DASC plans to enhance the data search capabilities of the data catalog by adding a “recommended database” to the search application, implementing an improved spatial search, including local GIS databases in the geodatabase catalog, and by adding custom database request functionality “clip, zip, and ship” that will allow users to download portions of the Kansas Geodatabase according to user-defined preferences such as extent, projection, and format. DASC also plans to work with the Kansas Collaborative's GIS Breakthrough Team and the TAC Data Committees on revising and improving the geospatial data inventory tools on the KGCC web site.



# State of Kansas Data Access & Support Center

## Future: Geospatial Services

DASC will continue to provide cost-effective web-based GIS application development and hosting services to the Kansas GIS Community. Web-based GIS applications have proven effective at providing access to geospatial data and technology, and for facilitating database development and maintenance. Several applications are slated for development or enhancement during FY07. In addition to web services, DASC will continue to provide cartographic and database development services as requested.

To improve uptime and redundancy of web services, DASC plans to implement technologies to allow for the immediate failover to the backup system hosted at AGIO. In the event of server failure, power outage, or network problems, customers will experience only a few minutes of downtime before the KGCC web portal and its associated web applications are available through the backup system.

DASC plans to expand its role as an area-integrator to support the development and maintenance of strategic statewide databases that require state, regional, and local partnerships. DASC will facilitate data collection and local partner coordination in support of KDOT's Non-State System database development. DASC also has pilot projects underway to develop statewide administrative boundaries and master situs address databases. These types of database development and integration projects require strong relationships with regional GIS organizations and local governments. The local GIS outreach efforts encouraged by the GIS Policy Board have helped to form many of the relationships necessary to this type of collaboration.



# State of Kansas Data Access & Support Center

## Future: Coordination & Promotion

DASC will continue to promote the visions and concepts of the Kansas GIS Initiative, follow the leadership of the Kansas GIS Policy Board, and promote its services. DASC staff will continue to serve on the TAC, KAM, and MAGIC committees. DASC will also continue to facilitate the development and management of the TAC data committees. The purpose of establishing these committees is to allocate more time and the involvement of more subject matter experts to database-specific issues. Four data committees were established during FY06 and the remaining committees (Administrative Boundaries & Cadastral, Critical Infrastructure & Structures, Energy & Utilities, Environmental Resources, and Health) will be established during FY07. The data committees have been effective at promoting focused and open discussion on the needs of the Kansas Geodatabase and have led to several action items. The long-term goal of the database committees is to develop a "database plan" that helps to guide future development and maintenance activities.

*Fiscal Year 2006 Annual Report*

KANSAS GEOSPATIAL COMMUNITY COMMONS: [WWW.KANSASGIS.ORG](http://WWW.KANSASGIS.ORG)



## Database Delivery Report for 07/01/2005 through 06/30/2006

Database Name	Date Delivered	Organization	Media Type	Description	Contents
<a href="#">Gray County Geology</a>	01/15/2006	Kansas Geological Survey (KGS)	Network Transfer	Gray County contacts and geology.	Two shapefiles, 1 personal geodatabase.
<a href="#">Hamilton County Geology</a>	01/15/2006	Kansas Geological Survey (KGS)	Network Transfer	Hamilton County contacts, faults, geology.	Three shapefiles, 1 personal geodatabase.
<a href="#">Osborne County Geology</a>	01/15/2006	Kansas Geological Survey (KGS)	Network Transfer	Contacts and geology for Osborne County.	Two shapefiles, 1 personal geodatabase.
<a href="#">Wabaunsee County Geology</a>	01/15/2006	Kansas Geological Survey (KGS)	Network Transfer	Wabaunsee County contacts, faults, geology, and glacial boulders.	Four shapefiles, 1 personal geodatabase.
<a href="#">FSA National Agricultural Imagery Program (NAIP) 2005</a>	01/30/2006	Farm Services Agency (FSA)	CD	2005 NAIP Compressed County Mosaics (CCM)	Delivery included 1 CD per county, for a total of 105 CDs, of 2005 NAIP MrSID imagery for each county. CDs are on loan and need to be returned as soon as copies are made.
<a href="#">Non-State-System</a>	02/16/2006	Kansas Department of Transportation (KDOT)	Web Upload		
<a href="#">KS Ecoregions</a>	02/20/2006	U.S. Environmental Protection Agency (EPA)	Network Transfer	Statewide ecoregions.	One shapefile.
<a href="#">Non-State-System</a>	03/09/2006	Kansas Department of Transportation (KDOT)	Web Upload		
<a href="#">Tagged Vector Contours</a>	03/15/2006	U.S. Geological Survey	Network Transfer		
<a href="#">Groundwater Management Districts</a>	03/30/2006	Kansas Department of Agriculture/Division of Water Resources	Web Upload		
<a href="#">Kearny County Geology</a>	04/07/2006	Kansas Geological Survey (KGS)	Network Transfer	Contacts, faults, and geology for Kearny County.	Three shapefiles, 1 personal geodatabase file.
<a href="#">Unified School Districts</a>	04/07/2006	Kansas Department of Legislative Research	Network Transfer	Kansas unified school districts.	One shapefile.
<a href="#">KSID 2002-2003 Corrections</a>	05/22/2006	Kansas Applied Remote Sensing Program (KARS)	CD	Imagery redelivered due to errors in original delivery.	CD contains new FCC imagery for Clark Co, new FUSE imagery for Clark and Cloud, new MULT imagery for Clark, new NDVI for Cheyenne, Anderson, & Cloud.
<a href="#">Electric Transmission Lines</a>	06/08/2006	Kansas Corporation Commission	Network Transfer	Major electric transmission lines, statewide.	
<a href="#">Dynamap Streets v16.1</a>	06/23/2006		CD	TeleAtlas Dynamap 2000. Includes street networks and census products.	
<a href="#">National Hydrography Dataset</a>	06/30/2006	U.S. Geological Survey	Network Transfer	Statewide NHD extract	
<a href="#">Power Plants</a>	06/30/2006	Data Access and Support Center (DASC)	Network Transfer		
<b>Total Files:</b> 1259 <b>Total Size:</b> 16477.064					

Date	Organization	Labor	CPU	Media	S&H	Total
07/06/2005	AMEC-Earth and Environmental Division	\$0.00	\$0.00	\$180.00	\$18.00	\$0.00
07/06/2005	Bartlett and West Engineers	\$0.00	\$0.00	\$90.00	\$9.00	\$0.00
07/12/2005	KLA Environmental Services, Inc.	\$17.50	\$0.00	\$0.00	\$0.00	\$0.00
07/13/2005	Schwab Eaton	\$17.50	\$0.00	\$0.00	\$0.00	\$0.00
07/14/2005	EBH & Associates	\$0.00	\$0.00	\$30.00	\$5.00	\$0.00
07/14/2005	EBH & Associates	\$0.00	\$0.00	\$30.00	\$5.00	\$0.00
07/14/2005	KLA Environmental Services, Inc.	\$17.50	\$0.00	\$0.00	\$0.00	\$0.00
07/18/2005	KLA Environmental Services, Inc.	\$17.50	\$0.00	\$0.00	\$0.00	\$0.00
07/20/2005	Kansas Department Of Wildlife And Parks (KDWP)	\$0.00	\$0.00	\$15.00	\$4.00	\$0.00
07/22/2005	BNIM Architects	\$17.50	\$0.00	\$0.00	\$0.00	\$0.00
07/27/2005	Wilson & Company, Inc., Engineers & Architects	\$17.50	\$0.00	\$0.00	\$0.00	\$0.00
07/27/2005	Wilson & Company, Inc., Engineers & Architects	\$17.50	\$0.00	\$0.00	\$0.00	\$0.00
07/28/2005	KLA Environmental Services, Inc.	\$17.50	\$0.00	\$0.00	\$0.00	\$0.00
08/02/2005	Luke Kimble Mapping	\$0.00	\$0.00	\$30.00	\$5.00	\$0.00
08/09/2005	EDR	\$35.00	\$0.00	\$15.00	\$6.00	\$0.00
08/09/2005	EDR	\$35.00	\$0.00	\$15.00	\$6.00	\$0.00
08/16/2005	Luke Kimble Mapping	\$0.00	\$0.00	\$60.00	\$6.00	\$0.00
08/17/2005	Schwab Eaton	\$0.00	\$0.00	\$30.00	\$5.00	\$0.00
08/18/2005	Self-Employed	\$17.50	\$0.00	\$15.00	\$5.00	\$0.00
08/18/2005	The Nature Conservancy - Kansas Chapter	\$0.00	\$0.00	\$7.50	\$3.00	\$0.00
08/18/2005	The Nature Conservancy - Kansas Chapter	\$0.00	\$0.00	\$15.00	\$4.00	\$0.00
08/19/2005	Bartlett and West Engineers	\$17.50	\$0.00	\$0.00	\$0.00	\$0.00
08/24/2005	Crawford County, Kansas	\$0.00	\$0.00	\$15.00	\$4.00	\$0.00
08/31/2005	Wilson & Company, Inc., Engineers & Architects	\$17.50	\$0.00	\$0.00	\$0.00	\$0.00
09/01/2005	Bartlett and West Engineers	\$0.00	\$0.00	\$30.00	\$5.00	\$0.00
09/09/2005	KLA Environmental Services, Inc.	\$17.50	\$0.00	\$0.00	\$0.00	\$0.00
09/09/2005	Wilson & Company, Inc., Engineers & Architects	\$17.50	\$0.00	\$0.00	\$0.00	\$0.00
09/19/2005	KLA Environmental Services, Inc.	\$17.50	\$0.00	\$0.00	\$0.00	\$0.00
09/20/2005	Schwab Eaton	\$8.75	\$0.00	\$0.00	\$0.00	\$0.00
09/26/2005	Wheatland Electric Cooperative	\$0.00	\$0.00	\$150.00	\$15.00	\$0.00
09/27/2005	Schwab Eaton	\$17.50	\$0.00	\$0.00	\$0.00	\$0.00
10/03/2005	Wilson & Company, Inc., Engineers & Architects	\$52.50	\$0.00	\$0.00	\$0.00	\$0.00
10/03/2005	AMEC-Earth and Environmental Division	\$17.50	\$0.00	\$30.00	\$6.00	\$0.00
10/07/2005	Schwab Eaton	\$17.50	\$0.00	\$0.00	\$0.00	\$0.00
10/10/2005	KLA Environmental Services, Inc.	\$17.50	\$0.00	\$0.00	\$0.00	\$0.00
10/12/2005	KLA Environmental Services, Inc.	\$17.50	\$0.00	\$0.00	\$0.00	\$0.00
10/13/2005	Schwab Eaton	\$17.50	\$0.00	\$0.00	\$0.00	\$0.00
10/13/2005	KLA Environmental Services, Inc.	\$17.50	\$0.00	\$0.00	\$0.00	\$0.00
10/13/2005	Terracon Consulting Engineering	\$0.00	\$0.00	\$15.00	\$4.00	\$0.00
10/14/2005	Wheatland Electric Cooperative	\$0.00	\$0.00	\$30.00	\$5.00	\$0.00
10/17/2005	KLA Environmental Services, Inc.	\$17.50	\$0.00	\$0.00	\$0.00	\$0.00
10/19/2005	KLA Environmental Services, Inc.	\$17.50	\$0.00	\$0.00	\$0.00	\$0.00
10/19/2005	KLA Environmental Services, Inc.	\$22.50	\$0.00	\$0.00	\$0.00	\$0.00
10/26/2005	Bartlett and West Engineers	\$0.00	\$0.00	\$30.00	\$5.00	\$0.00
10/26/2005	Schwab Eaton	\$22.50	\$0.00	\$0.00	\$0.00	\$0.00

Date	Organization	Labor	CPU	Media	S&H	Total
10/26/2005	Bartlett and West Engineers	\$0.00	\$0.00	\$30.00	\$5.00	\$0.00
10/27/2005	Schwab Eaton	\$22.50	\$0.00	\$0.00	\$0.00	\$0.00
11/02/2005	Self-Employed	\$22.50	\$0.00	\$0.00	\$0.00	\$0.00
11/09/2005	RMT, Inc.	\$45.00	\$0.00	\$0.00	\$0.00	\$0.00
11/22/2005	Future Petroleum Corporation	\$90.00	\$0.00	\$15.00	\$10.50	\$0.00
11/22/2005	Future Petroleum Corporation	\$0.00	\$0.00	\$15.00	\$4.00	\$0.00
11/28/2005	Schwab Eaton	\$22.50	\$0.00	\$0.00	\$0.00	\$0.00
11/28/2005	Self-Employed	\$45.00	\$0.00	\$15.00	\$6.00	\$0.00
11/30/2005	Self-Employed	\$0.00	\$0.00	\$15.00	\$4.00	\$0.00
11/30/2005	KLA Environmental Services, Inc.	\$22.50	\$0.00	\$0.00	\$0.00	\$0.00
12/01/2005	EBH & Associates	\$22.50	\$0.00	\$0.00	\$0.00	\$0.00
12/05/2005	Schwab Eaton	\$22.50	\$0.00	\$0.00	\$0.00	\$0.00
12/06/2005	Wilson & Company, Inc., Engineers & Architects	\$45.00	\$0.00	\$0.00	\$0.00	\$0.00
12/06/2005	J&E Energy	\$0.00	\$0.00	\$15.00	\$4.00	\$0.00
12/09/2005	Wilson & Company, Inc., Engineers & Architects	\$22.50	\$0.00	\$0.00	\$0.00	\$0.00
12/12/2005	Self-Employed	\$0.00	\$0.00	\$30.00	\$5.00	\$0.00
12/14/2005	Schwab Eaton	\$22.50	\$0.00	\$0.00	\$0.00	\$0.00
12/15/2005	Schwab Eaton	\$22.50	\$0.00	\$0.00	\$0.00	\$0.00
12/27/2005	Self-Employed	\$22.50	\$0.00	\$15.00	\$0.00	\$0.00
12/29/2005	Future Petroleum Company	\$180.00	\$0.00	\$0.00	\$0.00	\$0.00
01/05/2006	Schwab Eaton	\$22.50	\$0.00	\$0.00	\$0.00	\$0.00
01/05/2006	KLA Environmental Services, Inc.	\$180.00	\$0.00	\$0.00	\$18.00	\$0.00
01/19/2006	Luke Kimble Mapping	\$0.00	\$0.00	\$60.00	\$6.00	\$0.00
01/25/2006	Schwab Eaton	\$45.00	\$0.00	\$0.00	\$0.00	\$0.00
01/26/2006	Schwab Eaton	\$45.00	\$0.00	\$0.00	\$0.00	\$0.00
02/06/2006	Schwab Eaton	\$22.50	\$0.00	\$0.00	\$0.00	\$0.00
02/06/2006	Wilson & Company, Inc., Engineers & Architects	\$22.50	\$0.00	\$0.00	\$0.00	\$0.00
02/06/2006	M7 Ranches	\$270.00	\$26.46	\$0.00	\$29.65	\$0.00
02/06/2006	M7 Ranches	\$180.00	\$26.46	\$0.00	\$20.65	\$0.00
03/02/2006	Schwab Eaton	\$22.50	\$0.00	\$0.00	\$0.00	\$0.00
03/22/2006	Clarke Well & Equipment, Inc.	\$0.00	\$0.00	\$120.00	\$12.00	\$0.00
04/06/2006	Schwab Eaton	\$45.00	\$0.00	\$0.00	\$0.00	\$0.00
05/01/2006	Self-Employed	\$22.50	\$0.00	\$30.00	\$5.25	\$0.00
05/01/2006	Wilson & Company, Inc., Engineers & Architects	\$45.00	\$0.00	\$0.00	\$0.00	\$0.00
05/01/2006	Self-Employed	\$22.50	\$0.00	\$30.00	\$5.25	\$0.00
05/15/2006	Schwab Eaton	\$22.50	\$0.00	\$0.00	\$0.00	\$0.00
05/18/2006	Harper County, Kansas	\$0.00	\$0.00	\$15.00	\$4.00	\$0.00
05/19/2006	Wilson & Company, Inc., Engineers & Architects	\$45.00	\$0.00	\$0.00	\$0.00	\$0.00
05/24/2006	AMEC-Earth and Environmental Division	\$0.00	\$0.00	\$30.00	\$5.00	\$0.00
06/12/2006	Luke Kimble Mapping	\$0.00	\$0.00	\$30.00	\$5.00	\$0.00
06/15/2006	Kickapoo Tribe in Kansas	\$0.00	\$0.00	\$60.00	\$6.00	\$0.00
06/15/2006	Kickapoo Tribe in Kansas	\$0.00	\$0.00	\$7.50	\$3.00	\$0.00
06/23/2006	Wilson & Company, Inc., Engineers & Architects	\$180.00	\$0.00	\$0.00	\$0.00	\$0.00
06/28/2006	Shafer, Kline, And Warren, Inc.	\$22.50	\$0.00	\$30.00	\$5.25	\$0.00
06/28/2006	Self-Employed	\$180.00	\$0.00	\$0.00	\$18.00	\$0.00



Layer Name	Dataset Name	Description
Alluvial Aquifer	ALLUVIAL AQUIFER	Extent of the Kansas Alluvial Aquifer.
ASTER 2002-2003 Kansas Satellite Image Database (KSID)	KANSAS SATELLITE IMAGE DATABASE (KSID) 2002-2003	KSID 2002-2003 consists of ASTER imagery.
Census Block Groups - 1990	TIGER 1990	US Census 1992 TIGER data in Arc/Info format.
Census Block Groups - 2000	TIGER 2000	TIGER 2000 US Census block groups
Census Blocks - 1990	TIGER 1990	US Census 1992 TIGER data in Arc/Info format.
Census Blocks - 2000	TIGER 2000	TIGER 2000 US Census blocks
Census Tracts - 1990	TIGER 1990	US Census 1992 TIGER data in Arc/Info format.
Census Tracts - 2000	TIGER 2000	TIGER 2000 US Census tracts
County Boundaries - 1990	TIGER 1990	US Census 1992 TIGER data in Arc/Info format.
County Boundaries - 2000	TIGER 2000	TIGER 2000 US Census county boundaries
County Seats - 2000	TIGER 2000	TIGER County seat polygons & points for Kansas.
Dakota Aquifer Base	DAKOTA AQUIFER	Extent, base, top, and potentiometric surface of the Kansas Dakota Aquifer.
Dakota Aquifer Extent	DAKOTA AQUIFER	Extent, base, top, and potentiometric surface of the Kansas Dakota Aquifer.
Dakota Aquifer Potentiometric Surface	DAKOTA AQUIFER	Extent, base, top, and potentiometric surface of the Kansas Dakota Aquifer.
Dakota Aquifer Top Elevation	DAKOTA AQUIFER	Extent, base, top, and potentiometric surface of the Kansas Dakota Aquifer.
Dakota Aquifer Total Dissolved Solids	DAKOTA AQUIFER	Extent, base, top, and potentiometric surface of the Kansas Dakota Aquifer.
Department of Agriculture-Agricultural Commodities Assurance Program	STATE AGENCY ADMINISTRATIVE BOUNDARIES	Department of Agriculture-Agricultural Commodities Assurance Program locations, districts, or boundaries in Kansas
Department of Agriculture-Division of Food Safety-Dairy Inspection	STATE AGENCY ADMINISTRATIVE BOUNDARIES	Department of Agriculture-Division of Food Safety-Dairy Inspection locations, districts, or boundaries in Kansas
Department of Agriculture-Division of Food Safety-Meat and Poultry	STATE AGENCY ADMINISTRATIVE BOUNDARIES	Department of Agriculture-Division of Food Safety-Meat & Poultry locations, districts, or boundaries in Kansas
Department of Agriculture-Division of Inspections-Petroleum Measurement	STATE AGENCY ADMINISTRATIVE BOUNDARIES	Department of Agriculture-Division of Inspections-Petroleum Measurement locations, districts, or boundaries in Kansas
Department of Agriculture-Division of Inspections-Weights and Measures	STATE AGENCY ADMINISTRATIVE BOUNDARIES	Department of Agriculture-Division of Inspections-Weights and Measures locations, districts, or boundaries in Kansas
Department of Agriculture-Division of Water Resources	STATE AGENCY ADMINISTRATIVE BOUNDARIES	Department of Agriculture-Water Resources Division locations, districts, or boundaries in Kansas
Department of Agriculture-Grain Inspection Department-Agricultural Statistics	STATE AGENCY ADMINISTRATIVE BOUNDARIES	Department of Agriculture-Grain Inspection Department-Agricultural Statistics locations, districts, or boundaries in Kansas
Department of Commerce-Community Development Division	STATE AGENCY ADMINISTRATIVE BOUNDARIES	Department of Commerce-Community Development Division locations, districts, or boundaries in Kansas
Department of Commerce-Industrial Division	STATE AGENCY ADMINISTRATIVE BOUNDARIES	Department of Commerce-Industrial Division locations, districts, or boundaries in Kansas
Department of Health and Environment	STATE AGENCY ADMINISTRATIVE BOUNDARIES	Department of Health and Environment locations, districts, or boundaries in Kansas
Department of Human Resources-Job Centers	STATE AGENCY ADMINISTRATIVE BOUNDARIES	Department of Human Resources-Job Centers locations, districts, or boundaries in Kansas
Department of Revenue-Division of Collections	STATE AGENCY ADMINISTRATIVE BOUNDARIES	Department of Revenue-Division of Collections locations, districts, or boundaries in Kansas
Department of Social and Rehabilitation Services-Management Services	STATE AGENCY ADMINISTRATIVE BOUNDARIES	Department of Social & Rehabilitation Services-Management Services locations, districts, or boundaries in Kansas
Department of Transportation	STATE AGENCY ADMINISTRATIVE BOUNDARIES	Department of Transportation locations, districts, or boundaries in Kansas



Layer Name	Dataset Name	Description
Department of Wildlife and Parks	STATE AGENCY ADMINISTRATIVE BOUNDARIES	Department of Wildlife & Parks locations, districts, or boundaries in Kansas
Designated Critical Habitat	DESIGNATED CRITICAL HABITAT	Designated critical habitat.
Detailed Soils 24K	DETAILED SOILS 24K	Soil survey polygons attributed SCS map symbol (MUSYM, MUID, STSYM). The original 24K Detailed Soils polygon coverages are currently being certified by NRCS Fort Worth. The 24K Detailed Soils polygon coverages will be replaced by the <u>Certified SSURGO as they are delivered to DASC.</u>
Digital Elevation Model (DEM) 100K	DIGITAL ELEVATION MODEL (DEM) 100K	1:100,000 Digital Elevation Model.
Digital Elevation Model (DEM) 24K	DIGITAL ELEVATION MODEL (DEM) 24K	7.5 min. Digital Elevation Model: 30 meter interval.
Digital Elevation Model (DEM) 250K	DIGITAL ELEVATION MODEL (DEM) 250K	One degree Digital Elevation Model: elevation recorded every 3 arc seconds.
Digital Orthophoto Quarter Quadrangles (DOQQ) 1991	DIGITAL ORTHOPHOTO QUARTER QUADRANGLES (DOQQ) 1991	Digital orthogonally rectified black and white aerial photographs flown in 1991.
Digital Orthophoto Quarter Quadrangles (DOQQ) 2002	DIGITAL ORTHOPHOTO QUARTER QUADRANGLES (DOQQ) 2002	Digital orthogonally rectified black and white aerial photographs flown in 2002.
Digital Raster Graphics (DRG) Lambert	DIGITAL RASTER GRAPHICS (DRG) LAMBERT	Digital Raster Graphics - Scanned USGS 24K, 100K, and 250K Topographic maps with collars clipped out and in the Lambert Conformal Conic coordinate system.
Digital Raster Graphics (DRG) UTM NAD 27	DIGITAL RASTER GRAPHICS (DRG) UTM NAD 27	Digital Raster Graphics - Scanned USGS 24K, 100K, and 250K Topographic maps with collar information and georeferenced to the UTM grid and NAD1927 datum.
Digital Raster Graphics (DRG) UTM NAD 27 Clipped	DIGITAL RASTER GRAPHICS (DRG) UTM NAD 27 CLIPPED	Digital Raster Graphics - Scanned USGS 24K, 100K, and 250K Topographic maps with collar information removed and georeferenced to the UTM grid and NAD1927 datum.
Digital Raster Graphics (DRG) UTM NAD 83 Clipped	DIGITAL RASTER GRAPHICS (DRG) UTM NAD 83 CLIPPED	Digital Raster Graphics - Scanned USGS 24K, 100K, and 250K Topographic maps with collar information removed and georeferenced to the UTM grid and NAD1983 datum.
Digital Raster Graphics (DRG) UTM NAD 83 County	DIGITAL RASTER GRAPHICS (DRG) UTM NAD 83 COUNTY	Digital Raster Graphics - Scanned USGS 24K Topographic maps with collar information removed and georeferenced to the UTM grid and NAD1983 datum and tiled by county.
DLG 100K Boundaries	DIGITAL LINE GRAPHS (DLG) 100K	Digital Line Graphs from USGS: 7 layers of topographic information.
DLG 100K Hydrography	DIGITAL LINE GRAPHS (DLG) 100K	Digital Line Graphs from USGS: 7 layers of topographic information.
DLG 100K Misc. Transportation	DIGITAL LINE GRAPHS (DLG) 100K	Digital Line Graphs from USGS: 7 layers of topographic information.
DLG 100K PLSS	DIGITAL LINE GRAPHS (DLG) 100K	Digital Line Graphs from USGS: 7 layers of topographic information.
DLG 100K Railroads	DIGITAL LINE GRAPHS (DLG) 100K	Digital Line Graphs from USGS: 7 layers of topographic information.
DLG 100K Transportation	DIGITAL LINE GRAPHS (DLG) 100K	Digital Line Graphs from USGS: 7 layers of topographic information.
DLG 24K Boundaries	DIGITAL LINE GRAPHS (DLG) 24K	Digital Cartographic/Geographic data from USGS: 7.5' quadrangles.
DLG 24K Hydrology	DIGITAL LINE GRAPHS (DLG) 24K	Digital Cartographic/Geographic data from USGS: 7.5' quadrangles.
DLG 24K Hypsography	DIGITAL LINE GRAPHS (DLG) 24K	Digital Cartographic/Geographic data from USGS: 7.5' quadrangles.
DLG 24K Manmade Features	DIGITAL LINE GRAPHS (DLG) 24K	Digital Cartographic/Geographic data from USGS: 7.5' quadrangles.
DLG 24K Non-vegetative features	DIGITAL LINE GRAPHS (DLG) 24K	Digital Cartographic/Geographic data from USGS: 7.5' quadrangles.

Layer Name	Dataset Name	Description
DLG 24K Pipelines and Transmission Lines	DIGITAL LINE GRAPHS (DLG) 24K	Digital Cartographic/Geographic data from USGS: 7.5' quadrangles.
DLG 24K PLSS	DIGITAL LINE GRAPHS (DLG) 24K	Digital Cartographic/Geographic data from USGS: 7.5' quadrangles.
DLG 24K Railroads	DIGITAL LINE GRAPHS (DLG) 24K	24K DLG linear railroad features.
DLG 24K Survey Control and Markers	DIGITAL LINE GRAPHS (DLG) 24K	Digital Cartographic/Geographic data from USGS: 7.5' quadrangles.
DLG 24K Transportation	DIGITAL LINE GRAPHS (DLG) 24K	Digital Cartographic/Geographic roads and trails data from USGS: 7.5' quadrangles.
DLG 24K Vegetative Surface Cover	DIGITAL LINE GRAPHS (DLG) 24K	Digital Cartographic/Geographic data from USGS: 7.5' quadrangles.
DLG 2MIL County Boundaries	DIGITAL LINE GRAPHS (DLG) 2MIL	County Boundaries for the area contained in the 1:2000000 quadrangle.
DLG 2MIL County Boundaries	DIGITAL LINE GRAPHS (DLG) 2MIL	County Boundaries for the area contained in the 1:2000000 quadrangle.
DLG 2MIL Cultural Features	DIGITAL LINE GRAPHS (DLG) 2MIL	Digital Cartographic/Geographic data from USGS of the entire United States.
DLG 2MIL Political Boundaries	DIGITAL LINE GRAPHS (DLG) 2MIL	Digital Cartographic/Geographic data from USGS of the entire United States.
DLG 2MIL Railroads	DIGITAL LINE GRAPHS (DLG) 2MIL	Digital Cartographic/Geographic data from USGS of the entire United States.
DLG 2MIL Roads and Trails	DIGITAL LINE GRAPHS (DLG) 2MIL	Digital Cartographic/Geographic data from USGS of the entire United States.
DLG 2MIL Streams	DIGITAL LINE GRAPHS (DLG) 2MIL	Digital Cartographic/Geographic data from USGS of the entire United States.
DLG 2MIL Water Bodies	DIGITAL LINE GRAPHS (DLG) 2MIL	Digital Cartographic/Geographic data from USGS of the entire United States.
Ecoregions of Kansas	ECOREGIONS OF KANSAS	Denoting areas of general similarity in ecosystems and in the type, quality, and quantity of environmental resources. Includes Level III and IV.
EMS Posts	EMS POSTS	Point locations of EMS posts.
EPAKS STORET Sites	ENVIRONMENTAL DATA SOURCES	Locations of sites that collect environmental data for Kansas.
FEMA Flood Insurance Studies Inventory	FEMA FLOOD INSURANCE STUDIES INVENTORY	Federal Emergency Management Agency's flood insurance studies for Kansas as of July 1, 1996.
FEMA Q3 Flood Data	FEMA Q3 FLOOD DATA	Federal Emergency Management Agency's flood insurance rate maps for Kansas.
FSA National Agriculture Imagery Program (NAIP) 2003	FSA NATIONAL AGRICULTURE IMAGERY PROGRAM (NAIP)	2003 MrSID compressed Farm Service Agency (FSA) NAIP color aerial imagery tiled by county in 2-meter resolution.
FSA National Agriculture Imagery Program (NAIP) 2004	FSA NATIONAL AGRICULTURE IMAGERY PROGRAM (NAIP)	2004 MrSID compressed Farm Service Agency (FSA) NAIP color aerial imagery tiled by county in 2-meter resolution.
FSA National Agriculture Imagery Program (NAIP) 2005	FSA NATIONAL AGRICULTURE IMAGERY PROGRAM (NAIP)	2005 MrSID compressed Farm Service Agency (FSA) NAIP color aerial imagery tiled by county in 2-meter resolution.
GAP Analysis Program (GAP) ArcView 3.x Project & Final Report	GAP ANALYSIS PROGRAM (GAP) ARCVIEW 3.X PROJECT & FINAL REPORT	The Kansas GAP Final Report and an ArcView 3.x project with associated vector and raster files, as well as documentation detailing vertebrate habitat distribution models and land stewardship. Data files may be used separately outside the ArcView 3.x project.
GAP Analysis Program (GAP) Raster	GAP ANALYSIS PROGRAM (GAP)	The Kansas GAP Analysis Land Cover database depicts 43 land cover classes for the state of Kansas in raster format.
GAP Analysis Program (GAP) Vector	GAP ANALYSIS PROGRAM (GAP)	The Kansas GAP Analysis Land Cover database depicts 43 land cover classes for the state of Kansas.
GDT Roads 2005	GDT ROADS 2005	2005 road centerlines and address ranges for the state of Kansas.

Layer Name	Dataset Name	Description
Geographic Names Information System (GNIS)	GEOGRAPHIC NAMES INFORMATION SYSTEM (GNIS)	National Geographic Names Information System (GNIS) from USGS.
Geology - Detailed Surficial	GEOLOGY - DETAILED SURFICIAL	This database is delivered as three shapefiles (geology, contacts, and beds) and one legend file (geology.avl).
Geology - Generalized Surficial (Lines)	GEOLOGY - GENERALIZED SURFICIAL	1:500,000 scale generalized surface geology: attributed by system, series, and group.
Geology - Generalized Surficial (Polygons)	GEOLOGY - GENERALIZED SURFICIAL	1:500,000-scale generalized surface geology: attributed by system, series, and group.
Glacial-drift Aquifer Base	GLACIAL DRIFT AQUIFER	Base of the Kansas Glacial drift Aquifer.
Glacial-drift Aquifer Extent	GLACIAL DRIFT AQUIFER	Extent of the Kansas Glacial drift Aquifer.
Glacial-drift Aquifer Potentiometric Surface	GLACIAL DRIFT AQUIFER	Potentiometric surface of the Kansas Glacial drift Aquifer.
GPS-Base	GPS-BASE	Global Positioning System base station data (Salina, KS).
Ground-Based Statewide Vegetation Survey	GROUND-BASED STATEWIDE VEGETATION SURVEY	Locations of the field sites used to help create the Kansas Gap Analysis Land Cover map.
Groundwater Management Districts	GROUNDWATER MANAGEMENT DISTRICTS	Groundwater management district boundaries for the state of Kansas.
Groundwater Monitoring Chemical 1990-1994	ENVIRONMENTAL MONITORING	KDHE operational databases used to support water quality programs. Contains 6 layers.
Groundwater Monitoring System 1994	ENVIRONMENTAL MONITORING	KDHE operational databases used to support water quality programs. Contains 6 layers.
High Plains Aquifer Base	HIGH PLAINS AQUIFER	Extent, base, and potentiometric surface of the Kansas High Plains Aquifer
High Plains Aquifer Extent	HIGH PLAINS AQUIFER	Extent, base, and potentiometric surface of the Kansas High Plains Aquifer
High Plains Aquifer Potentiometric Surface	HIGH PLAINS AQUIFER	Extent, base, and potentiometric surface of the Kansas High Plains Aquifer
HUC Boundary 11-digit level	HUC 8-11 BOUNDARIES	Hydrologic Unit Code 11-digit Boundaries
HUC Boundary 14-digit level	HUC BOUNDARY 14-DIGIT LEVEL	Hydrologic Unit Level 14 Code Boundaries
HUC Boundary 8-digit level	HUC 8-11 BOUNDARIES	Hydrologic Unit Code 8-digit Boundaries
Hydrography 24K	HYDROGRAPHY 24K	Hydrography tiled by 1:24,000 quadrangle.
Hydrologic Features - 1990	TIGER 1990	US Census 1992 TIGER data in Arc/Info format.
Hypsography 100K	HYPSOGRAPHY 100K	DLG 1:100,000 Hypsography (Elevation Contours) in Arc/Info Format.
Identified Sites	ENVIRONMENTAL RISK	KDHE operational databases used to support the environmental quality program. Contains 2 layers.
Incorporated Areas - 1990	TIGER 1990	US Census 1992 TIGER data in Arc/Info format.
Incorporated Areas - 2000	TIGER 2000	TIGER 2000 US Census incorporated boundaries
Judicial Districts	STATE AGENCY ADMINISTRATIVE BOUNDARIES	Judicial Districts locations, districts, or boundaries in Kansas
Juvenile Justice Authority-Community Corrections	STATE AGENCY ADMINISTRATIVE BOUNDARIES	Juvenile Justice Authority-Community Corrections locations, districts, or boundaries in Kansas
Kansas Board of Pharmacy-Drug Inspectors	STATE AGENCY ADMINISTRATIVE BOUNDARIES	Board of Pharmacy-Drug Inspectors locations, districts, or boundaries in Kansas
Kansas Commission on Veterans Affairs	STATE AGENCY ADMINISTRATIVE BOUNDARIES	Kansas Commission on Veterans Affairs locations, districts, or boundaries in Kansas
Kansas Corporation Commission District Offices	STATE AGENCY ADMINISTRATIVE BOUNDARIES	Kansas Corporation Commission District Offices locations, districts, or boundaries in Kansas
Kansas Highway Patrol Troop Areas	STATE AGENCY ADMINISTRATIVE BOUNDARIES	Kansas Highway Patrol Troop Areas locations, districts, or boundaries in Kansas
Kansas House of Representatives Districts - 1990	LEGISLATIVE DISTRICTS - 1990	Legislative Districts of the Kansas House and Senate, and US House.

Layer Name	Dataset Name	Description
Kansas House of Representatives Districts - 2002	LEGISLATIVE DISTRICTS - 2002	Legislative Districts of the Kansas House and Senate, Kansas State Board of Education and US House.
Kansas Non-State Road System	KANSAS NON-STATE ROAD SYSTEM	Rural and county roads and city streets for the state. This data is a work in progress.
Kansas Senate Districts - 1990	LEGISLATIVE DISTRICTS - 1990	Legislative Districts of the Kansas House and Senate, and US House.
Kansas Senate Districts - 2004	LEGISLATIVE DISTRICTS - 2002	Legislative Districts of the Kansas House and Senate, Kansas State Board of Education and US House.
Kansas State Board of Education Districts - 2002	LEGISLATIVE DISTRICTS - 2002	Legislative Districts of the Kansas House and Senate, Kansas State Board of Education and US House.
Kansas State Highway System	KANSAS STATE HIGHWAY SYSTEM	Highways classified by Interstate, US Highways, and State Highways.
Kansas State University Extension Offices	STATE AGENCY ADMINISTRATIVE BOUNDARIES	Kansas State University Extension Offices locations, districts, or boundaries in Kansas
Kansas Water Office Basins	KANSAS WATER OFFICE BASINS	Basin boundaries
Kansas Water Quality Uses	ENVIRONMENTAL REGULATION	KDHE operational databases used to support environmental and water quality programs. Contains 5 layers.
KCD County Boundaries	KANSAS CARTOGRAPHIC DATABASE (KCD)	Kansas Cartographic Database: major features digitized from 7.5min quadrangles.
KCD Hydrology	KANSAS CARTOGRAPHIC DATABASE (KCD)	Kansas Cartographic Database: major features digitized from 7.5min quadrangles.
KCD Major Highways	KANSAS CARTOGRAPHIC DATABASE (KCD)	Kansas Cartographic Database: major features digitized from 7.5min quadrangles.
KCD Railroads	KANSAS CARTOGRAPHIC DATABASE (KCD)	Kansas Cartographic Database: major features digitized from 7.5min quadrangles.
KCD Section Corners	KANSAS CARTOGRAPHIC DATABASE (KCD)	Kansas Cartographic Database: major features digitized from 7.5min quadrangles.
KCD Township Lines	KANSAS CARTOGRAPHIC DATABASE (KCD)	Kansas Cartographic Database: major features digitized from 7.5min quadrangles.
Key Geographic Locations - 2000	TIGER 2000	TIGER 2000 US Census key geographic locations - polygons
KGS Water Level Wells	ENVIRONMENTAL DATA SOURCES	Locations of sites that collect environmental data for Kansas.
Lake Monitoring 1994	ENVIRONMENTAL MONITORING	KDHE operational databases used to support water quality programs. Contains 6 layers.
Lake Monitoring Chemical 1990-1994	ENVIRONMENTAL MONITORING	KDHE operational databases used to support water quality programs. Contains 6 layers.
Land Cover	LAND COVER	Land Cover identified by 10 cover types. Published in 1993.
Land Use-Land Cover 250K	LAND USE-LAND COVER 250K	Landuse and Landcover polygons from USGS: nine major landuse classifications.
Landfills 1994	ENVIRONMENTAL REGULATION	KDHE operational databases used to support environmental and water quality programs. Contains 5 layers.
Landmark Points - 2000	TIGER 2000	TIGER 2000 US Census landmark points
Landmark Polygons - 1990	TIGER 1990	US Census 1992 TIGER data in Arc/Info format.
Landmark Polygons - 2000	TIGER 2000	TIGER 2000 US Census landmark polygons
Landsat TM 1994	LANDSAT TM 1994	Landsat Thematic Mapper (TM): seven bands of satellite data per scene.
Landsat TM and ETM 2000-2001 Kansas Satellite Image Database (KSID)	KANSAS SATELLITE IMAGE DATABASE (KSID) 2000-2001	KSID 2000-2001 consists of Landsat 5 Thematic Mapper (TM) and Landsat 7 Enhanced Thematic Mapper (ETM+) imagery. All data is terrain-corrected, precision rectified spring, summer, and fall covering the state of Kansas.
Landsat TM and ETM 2002-2003 Kansas Satellite Image Database (KSID)	KANSAS SATELLITE IMAGE DATABASE (KSID) 2002-2003	KSID 2002-2003 consists of Landsat 5 Thematic Mapper (TM) and Landsat 7 Enhanced Thematic Mapper (ETM+).

Layer Name	Dataset Name	Description
LEO 3.6	LEO 3.6	MSDOS Program that converts legal locations (cadastral) to geographic locations (planimetric) and vice-versa.
LEO II PC	LEO II PC	MSDOS Program which converts legal locations (cadastral) to geographic locations (planimetric) and vice-versa.
Lottery Regions	STATE AGENCY ADMINISTRATIVE BOUNDARIES	Lottery Regions locations, districts, or boundaries in Kansas
Lower Republican 305b 1994	ENVIRONMENTAL REGULATION	KDHE operational databases used to support environmental and water quality programs. Contains 5 layers.
Metropolitan Statistical Areas - 2000	TIGER 2000	TIGER 2000 US Census metropolitan statistical areas
Misc. Transportation - 1990	TIGER 1990	US Census 1992 TIGER data in Arc/Info format.
Misc. Transportation - 2000	TIGER 2000	TIGER US Census 2000 TIGER data in Shape file format
MODIS 2002-2003 Kansas Satellite Image Database (KSID)	KANSAS SATELLITE IMAGE DATABASE (KSID) 2002-2003	KSID 2002-2003 consists of MODIS imagery.
MrSID Compressed Digital Orthophoto Counties 1991	MRSID COMPRESSED DIGITAL ORTHOPHOTO COUNTIES 1991	1991 digital orthogonally rectified black and white aerial photographs compressed with MrSID compression software.
MrSID Compressed Digital Orthophoto Counties 2002	MRSID COMPRESSED DIGITAL ORTHOPHOTO COUNTIES 2002	2002 digital orthogonally rectified black and white aerial photographs compressed with MrSID compression software.
National Climatic Data Center Locations	ENVIRONMENTAL DATA SOURCES	Locations of sites that collect environmental data for Kansas.
National Elevation Dataset (NED)	NATIONAL ELEVATION DATASET (NED)	The NED is a seamless mosaic of elevation data. The 7.5-minute elevation data for the conterminous United States are the primary initial source data.
National Hydrography Dataset (NHD)	NATIONAL HYDROGRAPHY DATASET (NHD)	Detailed hydrologic data containing information about surface water features such as lakes, ponds, streams, rivers, springs and wells.
National Pollutant Discharge Elimination System	ENVIRONMENTAL REGULATION	KDHE operational databases used to support environmental and water quality programs. Contains 5 layers.
National Wetlands Inventory (NWI) Lines	NATIONAL WETLANDS INVENTORY (NWI)	Kansas National Wetlands Inventory linear features.
National Wetlands Inventory (NWI) Polygons	NATIONAL WETLANDS INVENTORY (NWI)	Kansas National Wetlands Inventory polygons.
Native American Reservations Boundaries - 1990	TIGER 1990	US Census 1992 TIGER data in Arc/Info format.
Native American Reservations Boundaries - 2000	TIGER 2000	TIGER 2000 US Census native american reservation boundaries
Natural Heritage Inventory Element Occurrence	NATURAL HERITAGE INVENTORY ELEMENT OCCURRENCE	Natural Heritage Inventory Element Occurrence
Ogallala Bedrock Data Enhancement	OGALLALA BEDROCK DATA ENHANCEMENT	Consists of two primary parts: a line based GIS database depicting contour lines of the bedrock elevations for the Ogallala Aquifer and a point based GIS database depicting the locations of ground water wells where the bedrock elevation was identified and used to create contour lines.
Ozark Aquifer Base	OZARK AQUIFER	Extent, base, top, and potentiometric surface of the Kansas Ozark Aquifer
Ozark Aquifer Extent	OZARK AQUIFER	Extent, base, top, and potentiometric surface of the Kansas Ozark Aquifer
Ozark Aquifer Potentiometric Surface	OZARK AQUIFER	Extent, base, top, and potentiometric surface of the Kansas Ozark Aquifer
Ozark Aquifer Top	OZARK AQUIFER	Extent, base, top, and potentiometric surface of the Kansas Ozark Aquifer
Parole Regions	STATE AGENCY ADMINISTRATIVE BOUNDARIES	Parole Regions locations, districts, or boundaries in Kansas
Physiographic Regions	PHYSIOGRAPHIC REGIONS	Graphical rendition of physiographic regions of Kansas.

Layer Name	Dataset Name	Description
Playa Lakes	PLAYA LAKES	This digital dataset provides information about the spatial distribution of soil units associated with playa lakes. Specific soil types have been designated by the Natural Resource Conservation Service (NRCS) as occurring in the basins of upland depressions commonly referred to as playa lakes. Digital soils data (1:24,000-scale) for 40 counties in western Kansas were compiled within a GIS environment. Specific soil units in each county associated with playa lakes were extracted. The final playa lake dataset was created by merging all the individual soil series files. The format of the final dataset is the ESRI shapefile. Playa lakes are only found on upland areas in the arid western half of the state. The 40 counties included in the analysis comprise the region of playa lake occurrence in Kansas.
Political Townships - 1990	TIGER 1990	US Census 1992 TIGER data in Arc/Info format.
Political Townships - 2000	TIGER 2000	TIGER 2000 US Census political townships
Public Land Survey System (PLSS)	PUBLIC LAND SURVEY SYSTEM (PLSS)	Public Land Survey System tiled by county.
Public Water Supply Sites	ENVIRONMENTAL REGULATION	KDHE operational databases used to support environmental and water quality programs. Contains 5 layers.
Railroads - 1990	TIGER 1990	US Census 1992 TIGER data in Arc/Info format.
Railroads - 2000	TIGER 2000	TIGER 2000 US Census railroads
Riparian Inventory	RIPARIAN INVENTORY	Land Use categorization for riparian areas.
Roadways - 1990	TIGER 1990	US Census 1992 TIGER data in Arc/Info format.
Roadways - 2000	TIGER 2000	TIGER 2000 US Census roadways
Rural Water District Boundaries	RURAL WATER DISTRICT BOUNDARIES	Polygons of Rural Water District boundaries.
Rural Water District Facilities	RURAL WATER DISTRIBUTION	Major facilities of Rural Water District distribution systems.
Rural Water District Pipelines	RURAL WATER DISTRIBUTION	Major pipelines of Rural Water District distribution systems.
Soils - Mean Permeability	SOILS - MEAN PERMEABILITY	Provides information on the magnitude and spatial pattern of depth-weighted, mean soil permeability throughout the State of Kansas.
Soils - Potential Runoff	SOILS - POTENTIAL RUNOFF	Provides information on the spatial distribution of potential runoff-contributing areas in Kansas.
Soils Lite	SOILS LITE	Certified Soil Survey Geographic tables summarized and combined into one table for use with either 24K Soils or SSURGO polygon and line data. Data are named by county FIPS codes, except for Leavenworth/Wyandotte counties are named 601 and Linn/Miami counties are 602.
SSURGO	SSURGO	This data set is a digital soil survey and generally is the most detailed level of soil geographic data developed by the National Cooperative Soil Survey.
State Conservation Commission Administrative Areas	STATE AGENCY ADMINISTRATIVE BOUNDARIES	State Conservation Commission Administrative Areas locations, districts, or boundaries in Kansas
State Fire Marshal-Fire Prevention Division	STATE AGENCY ADMINISTRATIVE BOUNDARIES	State Fire Marshal-Fire Prevention Division locations, districts, or boundaries in Kansas
State Fire Marshal-Health Care Inspectors	STATE AGENCY ADMINISTRATIVE BOUNDARIES	State Fire Marshal-Health Care Inspectors locations, districts, or boundaries in Kansas
STATSGO	STATSGO	State soil geographic database: generalized soils survey of Kansas.
Stream Evaluation	STREAM EVALUATION	Stream evaluation.
Stream Monitoring Chemical 1990-1995	ENVIRONMENTAL MONITORING	KDHE operational databases used to support water quality programs. Contains 6 layers.

Layer Name	Dataset Name	Description
Stream Monitoring System 1997	ENVIRONMENTAL MONITORING	KDHE operational databases used to support water quality programs. Contains 6 layers.
SWIMS Water Bodies	SURFACE WATERS INFORMATION MANAGEMENT SYSTEM (SWIMS)	Continuous hydrologic network referenced to EPA-RF3 w/ water bodies, misc. hydro.
SWIMS Water Networks	SURFACE WATERS INFORMATION MANAGEMENT SYSTEM (SWIMS)	Continuous hydrologic network referenced to EPA-RF3 w/ water bodies, misc. hydro.
SWIMS Water Points	SURFACE WATERS INFORMATION MANAGEMENT SYSTEM (SWIMS)	Continuous hydrologic network referenced to EPA-RF3 w/ water bodies, misc. hydro.
Threatened and Endangered Species Occurrences	THREATENED AND ENDANGERED SPECIES OCCURRENCES	Threatened and Endangered Species Occurrences.
Treatment Storage Disposal Site	ENVIRONMENTAL RISK	KDHE operational databases used to support the environmental quality program. Contains 2 layers.
U.S. EPA Reach File Version 1.0	U.S. EPA REACH FILE VERSION 1.0	River reach one basic hydrology, 1:500,000 hydrography of Kansas.
Unified School Districts	UNIFIED SCHOOL DISTRICTS	Unified school district boundaries for Kansas with district name and number.
Unified School Districts - 1990	TIGER 1990	US Census 1992 TIGER data in Arc/Info format.
Unified School Districts - 2000	TIGER 2000	TIGER 2000 US Census unified school district boundaries
US Conservation Service Resource Conservation and Development	STATE AGENCY ADMINISTRATIVE BOUNDARIES	US Conservation Service Resource Conservation & Development locations, districts, or boundaries in Kansas
US House of Representatives Districts - 1990	LEGISLATIVE DISTRICTS - 1990	Legislative Districts of the Kansas House and Senate, and US House.
US House of Representatives Districts - 2002	LEGISLATIVE DISTRICTS - 2002	Legislative Districts of the Kansas House and Senate, Kansas State Board of Education and US House.
USGS 100K Quadrangle Boundary	USGS 100K QUADRANGLE BOUNDARY	USGS 1:100,000-scale Quadrangle Boundaries
USGS 24K Quadrangle Boundary	USGS 24K QUADRANGLE BOUNDARY	USGS 1:24,000-scale Quadrangle Boundaries
USGS 250K Quadrangle Boundary	USGS 250K QUADRANGLE BOUNDARY	USGS 1:250,000 Quadrangle Boundaries
USGS Surface Water Gauging Station Locations	ENVIRONMENTAL DATA SOURCES	Locations of sites that collect environmental data for Kansas.
Voter Precincts	VOTER PRECINCTS	Polygon layer representing voter precincts.
Voting Districts - 1990	TIGER 1990	US Census 1992 TIGER data in Arc/Info format.
Voting Districts - 2000	TIGER 2000	TIGER 2000 US Census voting districts
Water Information Management and Analysis System (WIMAS) v. 4.0	WATER INFORMATION MANAGEMENT AND ANALYSIS SYSTEM (WIMAS) V. 4.0	Water Information Management & Analysis System that displays and queries water rights in ArcView.
Water Information Management and Analysis System (WIMAS) v. 5.0 - Online	WATER INFORMATION MANAGEMENT AND ANALYSIS SYSTEM (WIMAS) V. 5.0 - ONLINE	Online application for Water Information Management & Analysis System that displays and queries water rights.
Watershed District	WATERSHED DISTRICT	Watershed district boundaries in Kansas.
Zip Code (3-digit) Boundaries - 2000	TIGER 2000	TIGER 2000 US Census 3-digit zip code boundaries
Zip Code (5-digit) Boundaries - 2000	TIGER 2000	TIGER 2000 US Census 5-digit zip code boundaries