

MINUTES OF THE HOUSE LOCAL GOVERNMENT COMMITTEE

The meeting was called to order by Chairman Sharon Schwartz at 3:30 p.m. on January 27, 2009, in Room 446-N of the Capitol.

All members were present except:

Representative Steve Huebert – Absent
Representative Michael Peterson – Excused
Representative Joe Seiwert – Excused

Committee staff present:

Martha Dorsey, Kansas Legislative Research Department
Jill Shelley, Kansas Legislative Research Department
Ken Wilke, Office of the Revisor of Statutes
Carol Bertram, Committee Assistant

Conferees appearing before the committee:

Tracy Streeter, Director, Kansas Water Office & Chair, GIS Policy Board
Ivan Weichert, GIS Director, Kansas Information Technology Office
Ken Nelson, Manager, Kansas Data Access and Support Center

Others attending:

See attached list.

Bill Introductions

Representative Kay Wolf stated in the past an elected member of the legislature could also hold another elected office in a city or county and receive compensation. Since a conflict of interest could arise, she recommended that a bill be introduced by the committee that cease allowing a member of the legislature to also hold another elected compensated position. Representative Goico moved the committee introduce this bill, seconded by Representative Holmes. The motion carried.

Representative Terrie Huntington recommended that the committee reintroduce a bill which had been drafted last year in regard to Home Association Property Rights. Representative Lana Gordon moved that the committee introduce this bill, seconded by Representative Delia Garcia. The motion carried.

Representative Larry Powell recommended the committee introduce a bill concerning easements. He said in the past there have been problems in certain areas of the state when there are blanket easements that cover a whole quarter. Representative Mitch Holmes moved the committee introduce this bill, seconded by Representative Otto. The motion carried.

Representative Lana Gordon recommended the committee introduce a bill concerning the Topeka Shawnee County Riverfront Authority which would change current law concerning their meeting requirements. Representative Mah moved the committee introduce this bill, seconded by Mike Slattery. Motion carried.

Representative Lana Gordon recommended the committee introduce a bill which would create a Topeka land bank for the assembly of real property which could then be offered for local development. Representative Holmes moved that the committee introduce this bill, seconded by Representative Mah. The motion carried.

Representative Mario Goico noted that currently legislators file expenditure reports with the Secretary of State as well as with the Election Officials. Rather than filing in two difference places he moved that the Committee introduce a bill which would require legislators to file their expenditure reports only with the Secretary of State. The motion was seconded by Mike Slattery. The motion carried.

On behalf of the Kansas Register of Deeds Association, Richard Samaniego requested the committee introduce a bill which would clarify the requirements of the recording of any plat, replat or plat of survey pursuant to the Apartment Ownership Act and the Townhouse Ownership Act; and correcting the date therein to correspond with the current tax payment date. A draft of this proposed legislation was distributed to the committee (Attachment 1). It was moved by Representative Otto, seconded by Representative Mah the

CONTINUATION SHEET

Minutes of the House Local Government Committee at 3:30 p.m. on January 27, 2009, in Room 446-N of the Capitol.

committee introduce this bill. Motion carried.

Representative Mah moved that the committee introduce a bill which would allow state troopers the opportunity to run for certain public offices, seconded by Representative Slattery. Motion carried.

State of Kansas GIS Initiative

A slide presentation was given to the committee by the following three gentlemen. A hard copy of their presentations was distributed (Attachment 2).

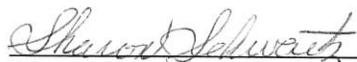
Tracy Streeter, Director, Kansas Water Office and Chair, GIS Policy Board presented an overview of the GIS Policy Board, and gave a description of the GIS data development and Strategic Plan recommendations.

Ivan Weichert, GIS Director, Kansas Information Technology Office presented an overview of the GIS Management Process. Ivan is the GIS Director and works within the Department of Administration.

Ken Nelson, Manager, Kansas Data Access and Support Center, presented an overview of the Data Access and support Center located at the University of Kansas. Mr. Nelson gave an in-depth report on some of the products available from DASC.

The next meeting is scheduled for February 3, 2009.

The meeting was adjourned at 4:27 p.m.


Sharon Schwartz, Chairman

HOUSE LOCAL GOVERNMENT COMMITTEE

DATE: 1-27-09

NAME	REPRESENTING
IVAN WEICHERT	GIS Policy Board
Ken Nelson	Ks. Geol Survey / DASC
Joe Mosimann	Helm Law Firm
Ethan Patterson	Cille Govt. Relations
David Boucher	Intern-Rep Math.
Cheng Chung Huang	Kansas Health Institute
Jessica Bremer	Intern-Ostmeyer
Rex Buchanan	Ks. Geological Survey

Please use black ink

MEMORANDUM

TO: Representative Schwartz, Chair
House Committee on Local Government

FROM: Richard Samaniego on behalf of the Kansas Register of Deeds Association

DATE: January 27, 2009

RE: Request for Bill Introduction

The Kansas Register of Deeds Association respectfully requests the introduction of the following legislative proposal as a committee bill by the House Committee on Local Government:

- A bill amending K.S.A. 19-1207, 58-3115, and 58-3707 to clarify the requirements for the recording of any plat, replat or plat of survey pursuant to the Apartment Ownership Act and the Townhouse Ownership Act; and correcting the date therein to correspond with the current tax payment date.

A draft of the proposed legislation is enclosed for your reference. Please feel free to contact us with questions or for more information.

Local Government

Date: 1-27-09

Attachment: 1-1

Be it enacted by the Legislature of the State of Kansas:

Section 1. K.S.A. 19-1207 is hereby amended to read as follows: 19-1207. (a) The register of deeds also shall keep a well-bound book, in which shall be kept all maps and plats of cities, subdivisions or additions to the same within the county, together with the description, acknowledgment or other writing thereon. The register shall keep an index to such book of plats. Such index shall contain the name or names of the proprietor or proprietors of such cities, subdivisions or addition and the name of the cities, subdivisions or addition. No register of deeds shall be bound to perform any of the duties required to be performed by this act, for which a fee is allowed, unless such fee has been paid or tendered.

(b) The register of deeds shall not record any plat, ~~or replat, or plat of survey pursuant to the Apartment Ownership Act, K.S.A. 58-3101, et seq., and amendments thereto, or plat of survey pursuant to the Townhouse Ownership Act, K.S.A. 58-3701, et seq., and amendments thereto,~~ unless such ~~document~~plat is accompanied by a receipt from the county treasurer for all real estate taxes on the land legally described in such document for any year past due and unpaid and: (1) Payment of at least the first half of all real estate taxes on such land ~~to be platted~~ if such ~~document~~plat is presented for recording between December 20 and ~~May 10~~June 20 of the next year; or (2) payment of all such real estate taxes if such ~~document~~plat is presented for recording on and after ~~May 10~~June 20 but before December 20 of the same year.

(c) The record of plats and indexes required by this section may be kept in the manner provided by K.S.A. 19-1204, and amendments thereto or as otherwise authorized by statute.

Sec. 2. K.S.A. 58-3115 is hereby amended to read as follows: 58-3115. (a) The declaration, any amendment or amendments thereof, any instrument by which the provisions of this act may be waived, and every instrument affecting the property or any apartment or condominium unit shall be entitled to be recorded. Neither the declaration nor any amendment thereof shall be valid unless duly recorded.

(b) In addition to records and indexes required to be maintained by the recording officer, the recording officer shall maintain an index or indexes whereby the record of each declaration contains a reference to the record of each conveyance of an apartment or condominium unit affected by such declaration, and the record of each conveyance of an apartment or condominium unit contains a reference to the declaration of the property of which it is a part.

(c) There shall be recorded simultaneously with the declaration one or more plats of survey showing the legal description, the location and dimensions of the submitted land, any convertible lands within the submitted land and any additional land if the condominium is an expandable condominium. The plat of survey shall further show the location and dimensions of all existing condominium units and common areas and facility improvements of the submitted land. When converting all or any portion of any

convertible land or adding additional land to an expandable condominium, the declarant shall record amended plats of survey which shall show the location and dimensions of all existing condominium units and common area and facility improvements upon the convertible or additional land.

(d) The register of deeds shall not record any plat of survey pursuant to this act unless such plat of survey is accompanied by a receipt from the county treasurer for real estate taxes on the submitted land in accordance with K.S.A. 19-1207(b), and amendments thereto.

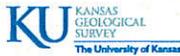
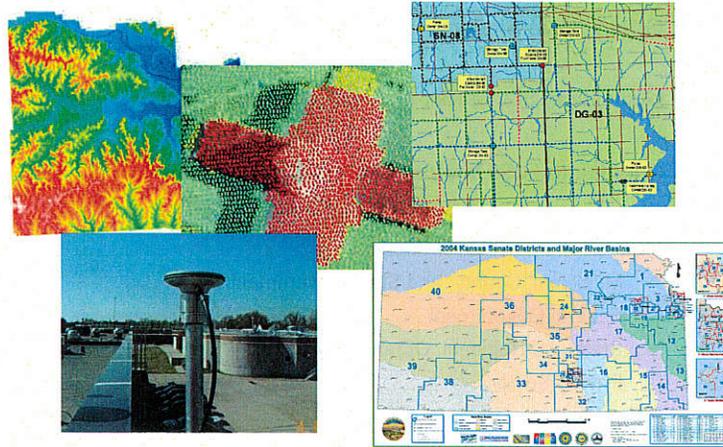
Sec. 3. K.S.A. 58-3707 is hereby amended to read as follows: 58-3707. (a) There shall be recorded simultaneously with the declaration, at the office of the register of deeds, one or more plats of survey showing the legal description, the location and dimensions of the submitted land, the location and description of any land which may be added to the townhouse project if such right is set forth in the declaration, and the location and dimensions of each townhouse unit and all common area improvements.

(b) The register of deeds shall not record any plat of survey pursuant to this act unless such plat of survey is accompanied by a receipt from the county treasurer for real estate taxes on the submitted land in accordance with K.S.A. 19-1207(b), and amendments thereto.

Sec. 4. K.S.A. 19-1207, 58-3115, and 58-3707 are hereby repealed.

Sec. 5. This act shall take effect and be in force from and after its publication in the statute book.

STATE OF KANSAS GIS INITIATIVE



KANSAS GIS POLICY BOARD

- Established in 1989 by Governor Hayden
- Executive Order – Objectives:
 1. Coordinate the implementation and use of GIS technology by participating agencies.
 2. Provide an opportunity for prompt access to GIS technology by all participating agencies and other potential users.
 3. Promote compatibility and standards for geographic information.
 4. Promote sharing of computerized, geographically referenced data.
 5. Reduce the costs that would be involved if each agency developed its own GIS capabilities independently and networking did not take place.
 6. Enhance the information analysis and decision making process of participating agencies through the use of GIS technology.
- The Executive Order has been reestablished by each administration since Governor Hayden.

.....KANSAS GIS POLICY BOARD – DATA ACCESS & SUPPORT CENTER – KANSAS GEOLOGICAL SURVEY.....

Local Government

Date: 1-27-09

Attachment # 2-1

GIS POLICY BOARD ACTIVITIES

- GIS Initiative Strategic Planning

- Guidelines, Standards, and Policy Development

- Coordinate GIS Database Development

- Multi-Participant Coordination:
 - Municipal, County, and State Government
 - Federal Government
 - State and Regional Organizations
 - Private Sector

.....KANSAS GIS POLICY BOARD – DATA ACCESS & SUPPORT CENTER – KANSAS GEOLOGICAL SURVEY.....

GIS POLICY BOARD MEMBERSHIP – JANUARY 2009

Tracy Streeter, Board Chairman
Director, Kansas Water Office

Denise Moore, Board Vice Chairperson
Executive Branch CITO

Joseph W. Arri,
Area Manager-OSP Planning, AT & T

Walt Aucott, District Chief
United States Geological Survey
Water Resources Division

Dr. Eric Bernard, Professor
Kansas State University

Major Gen Tod Bunting, Adjutant General
Kansas Adjutant General's Dept

Linda Buttron, County Clerk
Jefferson County

Constantine Cotsoradis, Asst Secretary
Kansas Department of Agriculture

Peter Davis, GIS Supervisor
Property Valuation Division
Kansas Department of Revenue

Greg Foley, Executive Director
State Conservation Commission

Kathleen Gosa, IT Director
Department of Education

Bill Harrison, Director
Kansas Geological Survey

Donald Heiman, Legislative Branch CITO
c/o Legislative Administrative Services

Jeff Lewis, Chief Information Officer
Kansas Department of Human Services

Brian Logan, Cartography/GIS Manager
Kansas Department of Transportation

Dr. Edward Martinko, Director
University of Kansas
Kansas Biological Survey

Gary Middleton, Director
Kansas Emergency Management Assoc.

John W. Mitchell, Director
Environment Division, KDHE

Gregg Noland, Senior Manager
Westar Energy, Inc.

Kelly O'Brien, CITO
Judicial Branch

Wayne Page
Kansas Corporation Commission

Murray L. Rhodes, Owner
Rhodes Surveyors, PA

John Rogers, GIS Manager
Sedgwick County

Travis Rome
United States Department of Agriculture
Natural Resources Conservation Service

Mark Runge
Emporia State University

Dr. Tom Schafer, Assistant Professor
Fort Hays State University

Keith Sexson, Assistant Secretary
Kansas Department of Wildlife & Parks

Kyle Tjelmeland, GIS Manager
City of Topeka

Matthew Veatch, State Archivist
Kansas State Historical Society

Robert Waller, Chief Administrator
Kansas Emergency Medical Services

Bettejane M. Wooding, Cartographer
Barton County Appraiser's Office

STAFFING:

Ivan L. Weichert, State GIS Director
Kansas Information Technology Office

Ken Nelson, Manager
Kansas Data Access and Support Center
Kansas Geological Survey
University of Kansas

.....KANSAS GIS POLICY BOARD – DATA ACCESS & SUPPORT CENTER – KANSAS GEOLOGICAL SURVEY.....

STRATEGIC PLANNING EFFORTS:

Followed the NSGIC strategic planning process and templates – modified as necessary to meet our needs

One Strategic Plan, potentially many Business Plans

Strategic Plan:

What and Why

Vision & Goals

The “big picture” and overall context

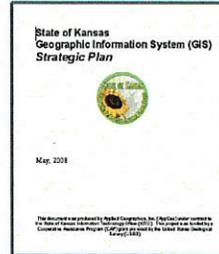
Business Plan:

How, When, and How Much

Aimed at those that approve and fund

Details of initiative(s) emerge

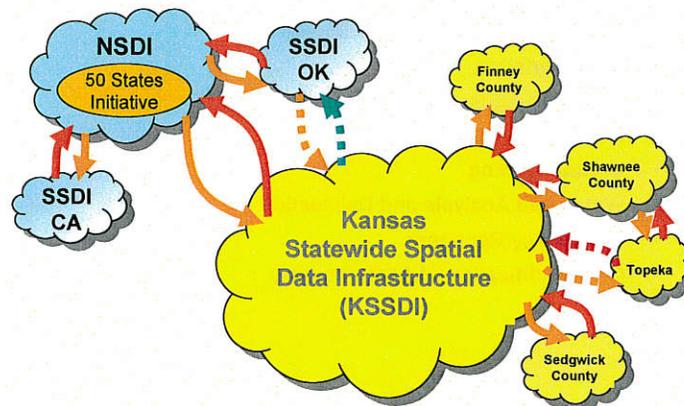
Presented as a business case



.....KANSAS GIS POLICY BOARD – DATA ACCESS & SUPPORT CENTER – KANSAS GEOLOGICAL SURVEY.....

STRATEGIC PLAN – VISION STATEMENT

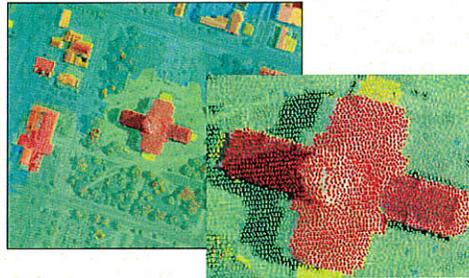
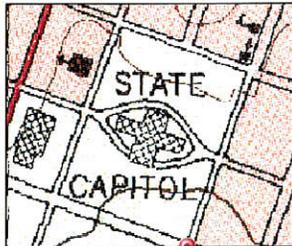
The Kansas Geographic Information System **Partnership** initiative will be a **collaborative effort** among the **statewide geospatial community** that delivers **robust, map-based, geospatial information and services** to support policy and decision making at **all levels of government**, to provide access to **public information** and to **enhance** the safety, economy, environment and **quality of life** in Kansas.



.....KANSAS GIS POLICY BOARD – DATA ACCESS & SUPPORT CENTER – KANSAS GEOLOGICAL SURVEY.....

ELEVATION DATA BUSINESS PLAN

- **Programmatic Goal for Business Plan:** Develop improved statewide elevation data that supports high resolution contours and detailed topographic mapping necessary for a multitude of critical applications and risk determination.
- There is a big need for improved elevation data. The "best available" state and/or national data is mediocre and does not support many important applications.
- The existing statewide elevation data is mostly derived from 20 year old USGS Topographic Maps with a 10-foot contours.



.....KANSAS GIS POLICY BOARD – DATA ACCESS & SUPPORT CENTER – KANSAS GEOLOGICAL SURVEY.....

APPLICATIONS & BENEFITS OF IMPROVED ELEVATION DATA

- **Flood Prediction and Mitigation**
 - Floodplain delineation
 - Flood prone properties
 - Risk determination & insurance assessment
 - Flood flow characterization (i.e., direction, velocity, depth)
 - Flood preparedness
 - Evacuation planning
 - Reverse E-911: proactive notification
- **Transportation**
- **Precision Agriculture and Soil Mapping**
- **Habitat Characterization**
- **Urban Planning**
- **Watershed Analysis and Delineation**
- **Emergency Response**
- **Orthorectification of Aerial Imagery**

.....KANSAS GIS POLICY BOARD – DATA ACCESS & SUPPORT CENTER – KANSAS GEOLOGICAL SURVEY.....

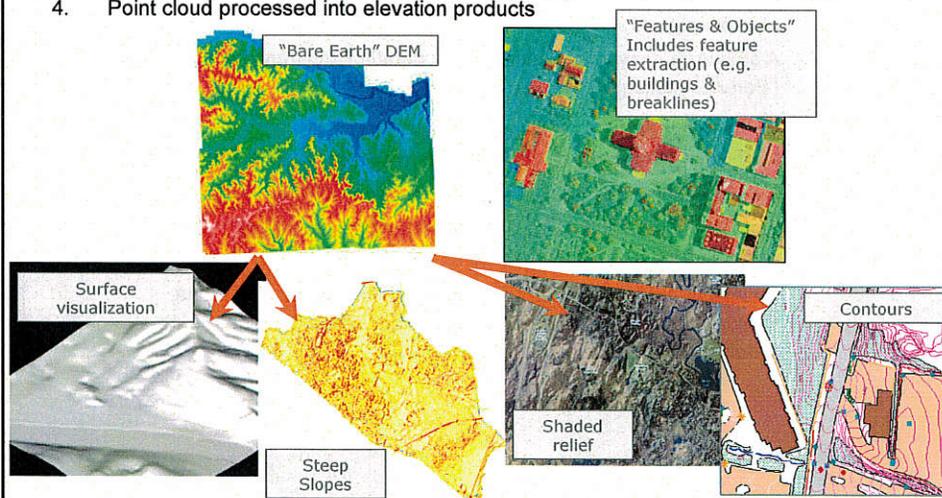
REPRESENTATIVE STATE LIDAR PROJECTS

- **North Carolina:** ~48,000 sq. miles
 - Need driven by hurricane planning
 - Received FEMA Cooperative Technical Partner's Program funding
 - Divided state into three segments
 - State and local governments have benefited
- **Iowa:** ~53,000 sq. miles
 - Funding from DOT, DNR and NRCS
 - Project planning identified potential cost savings:
 - DNR: \$390k/year from avoided planning level survey
 - DOT: \$10M+/year from cut-and-fill, preliminary planning, road grading, line-of-site
 - NRCS: \$3-5M/year from Water Quality Best Management Practices (BMPs)
 - Divided state into three segments
- **Kansas:** ~82,000 sq. miles

.....KANSAS GIS POLICY BOARD – DATA ACCESS & SUPPORT CENTER – KANSAS GEOLOGICAL SURVEY.....

LIDAR PROJECT PROCESS & PRODUCTS

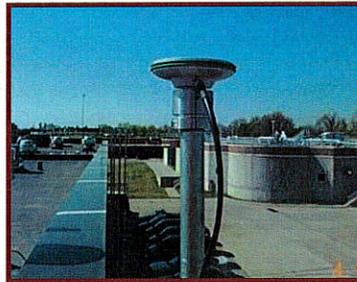
1. Aerial overflight
2. Laser scans earth and records returns
3. Raw returns are processed into a "point cloud"
4. Point cloud processed into elevation products



.....KANSAS GIS POLICY BOARD – DATA ACCESS & SUPPORT CENTER – KANSAS GEOLOGICAL SURVEY.....

HEIGHT MODERNIZATION

- Height Modernization (HM) is the establishment of accurate, reliable heights using GPS technology in conjunction with traditional leveling, gravity, and modern remote sensing.
- Continuously Operating Reference Stations (CORS) - A nationwide network providing GPS data for a variety of post-processing uses.



.....KANSAS GIS POLICY BOARD – DATA ACCESS & SUPPORT CENTER – KANSAS GEOLOGICAL SURVEY.....

HEIGHT MODERNIZATION

- **Outcomes:**
 - A denser, more accurate, 3-D (latitude, longitude, and height) geodetic control network
 - A statewide network of continuously operating and transmitting GPS reference stations
- **NOAA Grant Program to help states implement HM programs:**
 - Announced in June, 2008 – search Grants.gov (CFDA 11.400)
 - Funding limits \$100K - \$1.2 Million (\$400-\$500K average)
 - Multi-year funding available – 1-5 years
 - States currently receiving HM funding include: Alabama, Arizona, California, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Texas, Washington, Wisconsin

.....KANSAS GIS POLICY BOARD – DATA ACCESS & SUPPORT CENTER – KANSAS GEOLOGICAL SURVEY.....

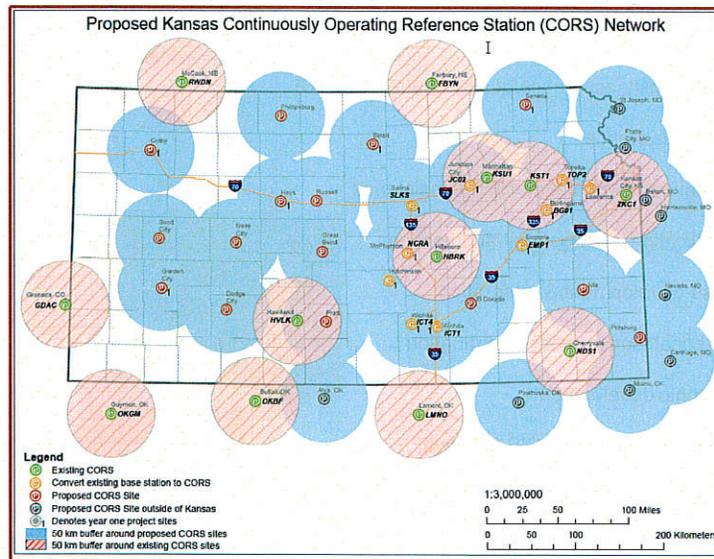
HEIGHT MODERNIZATION BENEFITS

Primary project goal - "The development of the CORS network in Kansas will significantly increase the vertical accuracy of elevation measurements, while also densifying high accuracy horizontal positions to provide an improved foundation for positioning and mapping applications."

- Lower the costs of surveying, mapping, and aerial photography throughout the state
- Improved elevation for:
 - Floodplain mapping & mapping high water marks
 - Subsidence monitoring
 - Precision agriculture
 - Transportation planning, construction, and maintenance
 - Reservoir and well monitoring
- Arizona sites these cost savings:
 - Over \$1 million annual savings on aerial mapping project contracts by local, regional and state governments
 - Over \$600,000 annual savings on planning and construction costs to Phoenix District of the Arizona DOT
 - Over \$4 million annual savings to Arizona citizens for reduced surveying costs

.....KANSAS GIS POLICY BOARD – DATA ACCESS & SUPPORT CENTER – KANSAS GEOLOGICAL SURVEY.....

HEIGHT MODERNIZATION



.....KANSAS GIS POLICY BOARD – DATA ACCESS & SUPPORT CENTER – KANSAS GEOLOGICAL SURVEY.....

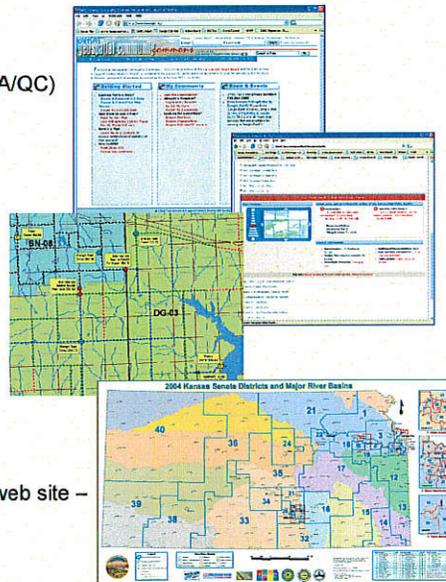
DATA ACCESS & SUPPORT CENTER (DASC)

- Established by the GIS Policy Board in 1991
- Central repository of GIS databases of statewide/regional importance
- Designated as an National Spatial Data Infrastructure (NSDI) clearinghouse node in 1997
- Located at the Kansas Geological Survey at the University of Kansas
- Web site – <http://www.kansasgis.org>

.....KANSAS GIS POLICY BOARD – DATA ACCESS & SUPPORT CENTER – KANSAS GEOLOGICAL SURVEY.....

DASC SERVICES

- Database archival and distribution
- Database quality assurance/quality control (QA/QC)
- Technical assistance
- Geospatial metadata development assistance
- Web application development and hosting
- Database development & integration
- State & Local Government Coordination
- Cartographic development
- Promotion of the Kansas GIS Initiative
- Development and maintenance of the DASC web site – www.kansasgis.org



.....KANSAS GIS POLICY BOARD – DATA ACCESS & SUPPORT CENTER – KANSAS GEOLOGICAL SURVEY.....

KANSAS GEODATABASE CATALOG

Administrative/Political Boundaries – county boundaries, incorporate areas, agency district boundaries, Public Land Survey System (PLSS)...

Applications – desktop and web-based applications...

Elevation – Digital Elevation Models (DEM) and hypsography...

Environmental Resources – endangered species, riparian area inventory, designated critical habitat, stream evaluation...

Geodectic Control – GPS base station data...

Imagery/Raster – Orthorectified aerial photography (various dates and resolutions), Landsat imagery, satellite derivative products...

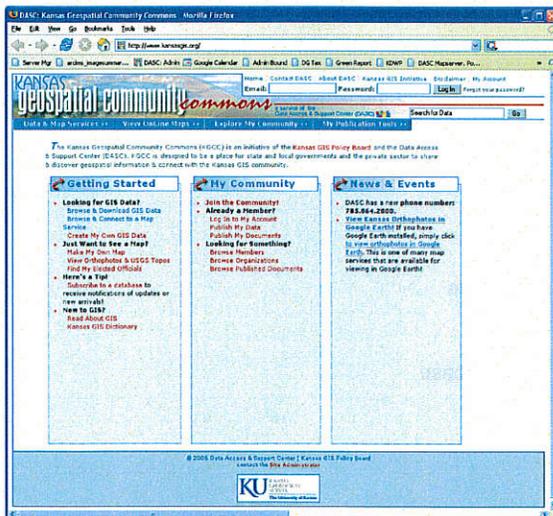
Land Surface/Geology/Soils - land cover, GAP land cover, detailed surface geology, soil surveys (SSURGO)...

Transportation – roads, highways, railroads...

Water Resources – steams, water bodies, aquifers, wetlands, rural water districts and distribution infrastructure, water well locations and water level data, watershed boundaries...

.....KANSAS GIS POLICY BOARD – DATA ACCESS & SUPPORT CENTER – KANSAS GEOLOGICAL SURVEY.....

DASC WEB SITE – HTTP://WWW.KANSASGIS.ORG



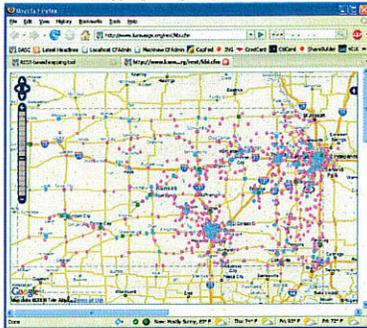
- Online resource for GIS data, documentation, standards, and web services
- GIS Community directory provides contact information for over 900 organizations and over 2000 members
- Provides access to a variety of web-based mapping applications
- Serves as the central hub for the Kansas GIS community

.....KANSAS GIS POLICY BOARD – DATA ACCESS & SUPPORT CENTER – KANSAS GEOLOGICAL SURVEY.....

PROJECT HIGHLIGHT - KBI REGISTERED OFFENDERS V2.0 – MAPPING COMPONENT

- DASC worked in conjunction with KBI and Kansas.Gov to develop a series of web services to enable the publication of the KBI Offender Registry web site.
- DASC developed a mapping component that is delivered via a simple web service protocol.
- This type of Service Oriented Architecture (SOA) allows developers at Kansas.gov to easily integrate the interactive map into any part of the web site.
- The development of the new KBI mapping component is a prototype for future web-based mapping application development efforts.

Generic KBI Mapping Component:



KBI Mapping Component integrated into Kansas.gov web site:



.....KANSAS GIS POLICY BOARD – DATA ACCESS & SUPPORT CENTER – KANSAS GEOLOGICAL SURVEY.....

LOCAL GOVERNMENT COLLABORATION

- DASC currently has several projects underway that are designed to develop, update, or enhance critical data layers through partnerships with state agencies, local government, and the private sector.
- DASC is serving as the area integrator to bring datasets from several organizations into seamless statewide data layers.
- Projects currently underway are:
 - Local GIS Data Backup Initiative
 - Kansas Road Centerline Database
 - Kansas Tax Units Database
 - Kansas Voting Districts Update
 - Kansas Incorporated Areas Database

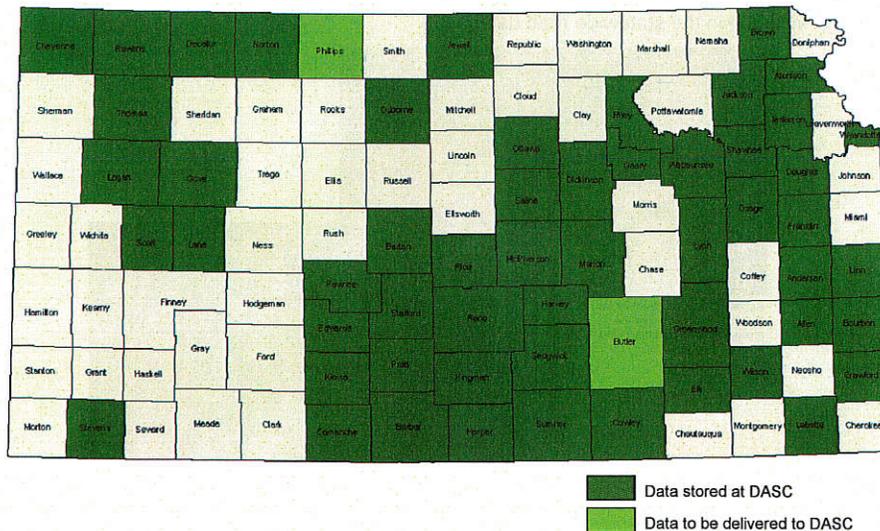
.....KANSAS GIS POLICY BOARD – DATA ACCESS & SUPPORT CENTER – KANSAS GEOLOGICAL SURVEY.....

LOCAL DATA BACKUP INITIATIVE

- Disasters rarely concentrated on single jurisdictions
- After a disaster, immediate access to GIS data from all affected areas critical for rescue and recovery
- DASC - State of Kansas GIS clearinghouse – has the ability to house large volumes of data for public or restricted access
- Regular synchronization with the Kansas Adjutant General's Department – saves time during an emergency
- Off-site backup for local government GIS related data and aerial imagery

.....KANSAS GIS POLICY BOARD – DATA ACCESS & SUPPORT CENTER – KANSAS GEOLOGICAL SURVEY.....

LOCAL DATA BACKUP



.....KANSAS GIS POLICY BOARD – DATA ACCESS & SUPPORT CENTER – KANSAS GEOLOGICAL SURVEY.....

KANSAS ROAD CENTERLINE DATABASE

Project goals:

- Develop a comprehensive statewide road centerline database
- Incorporate local data where possible
- Develop techniques to migrate attribute data from state and local sources to the statewide network
- Develop procedures to perform regular updates
- Develop and maintain long-term partnerships with local government to support the maintenance of the database

.....KANSAS GIS POLICY BOARD – DATA ACCESS & SUPPORT CENTER – KANSAS GEOLOGICAL SURVEY.....

KANSAS ROAD CENTERLINE DATABASE

Example of area with new development in Lawrence, KS that is not included in the statewide road database



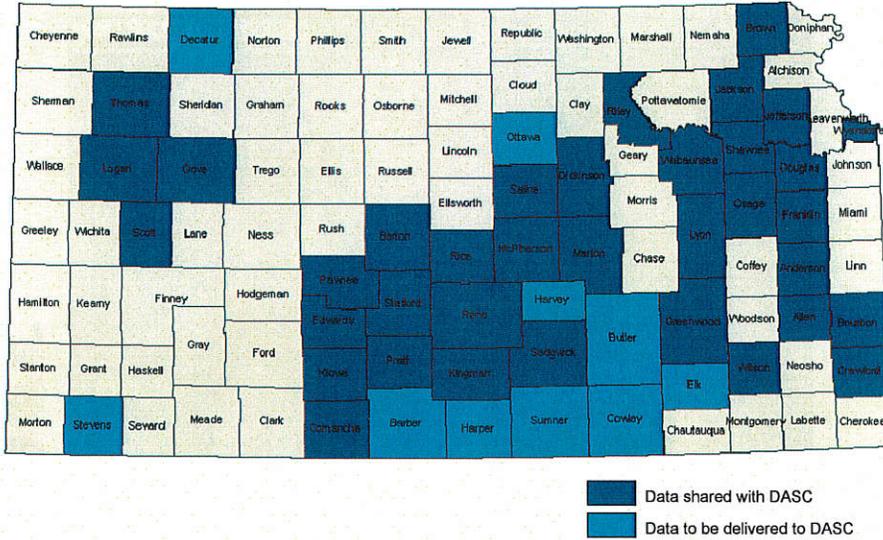
Aerial photo showing new local roads not contained in the statewide road database (red lines on image)



Aerial photo showing road data available from local govt. (green lines on image)

.....KANSAS GIS POLICY BOARD – DATA ACCESS & SUPPORT CENTER – KANSAS GEOLOGICAL SURVEY.....

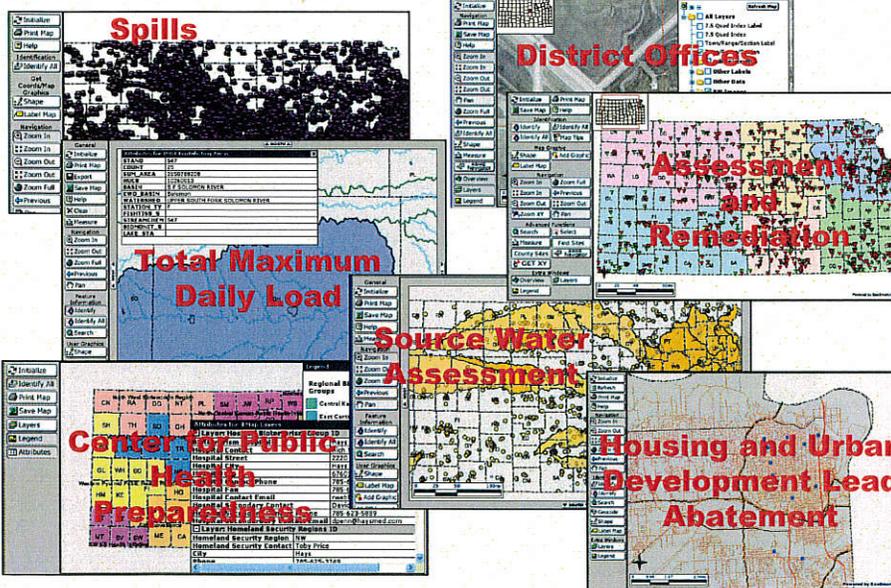
KANSAS ROAD CENTERLINE DATABASE



.....KANSAS GIS POLICY BOARD – DATA ACCESS & SUPPORT CENTER – KANSAS GEOLOGICAL SURVEY.....

KDHE WEB-BASED GIS APPLICATION EXAMPLES

FOR MORE INFORMATION CONTACT AJ THOMAS – ATHOMAS@KDHE.STATE.KS.US



.....KANSAS GIS POLICY BOARD – DATA ACCESS & SUPPORT CENTER – KANSAS GEOLOGICAL SURVEY.....

KBS FLOOD INUNDATION MAPPING PROJECT

FOR MORE INFORMATION CONTACT JUDE KASTENS - JKASTENS@KU.EDU

NORTH LAWRENCE - 2008 NAIP AERIAL IMAGE (1-M RESOLUTION)

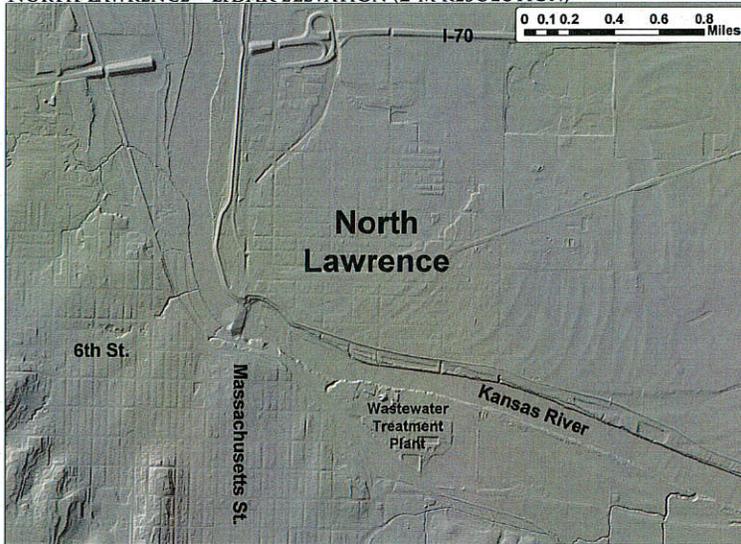


.....KANSAS GIS POLICY BOARD - DATA ACCESS & SUPPORT CENTER - KANSAS GEOLOGICAL SURVEY.....

KBS FLOOD INUNDATION MAPPING PROJECT

FOR MORE INFORMATION CONTACT JUDE KASTENS - JKASTENS@KU.EDU

NORTH LAWRENCE - LIDAR ELEVATION (2-M RESOLUTION)

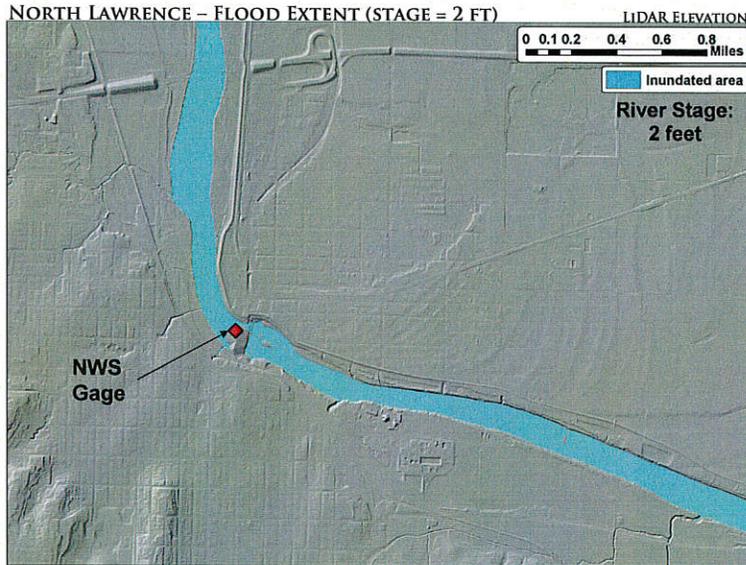


.....KANSAS GIS POLICY BOARD - DATA ACCESS & SUPPORT CENTER - KANSAS GEOLOGICAL SURVEY.....

8-1

KBS FLOOD INUNDATION MAPPING PROJECT

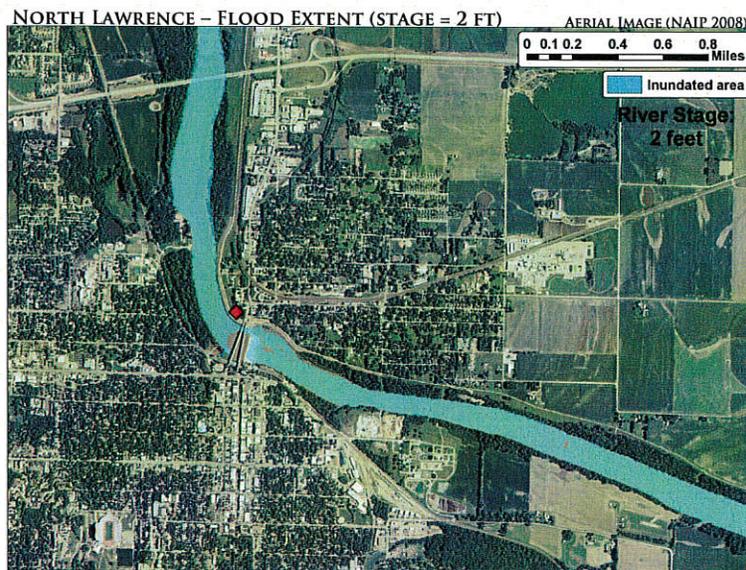
FOR MORE INFORMATION CONTACT JUDE KASTENS - JKASTENS@KU.EDU



.....KANSAS GIS POLICY BOARD - DATA ACCESS & SUPPORT CENTER - KANSAS GEOLOGICAL SURVEY.....

KBS FLOOD INUNDATION MAPPING PROJECT

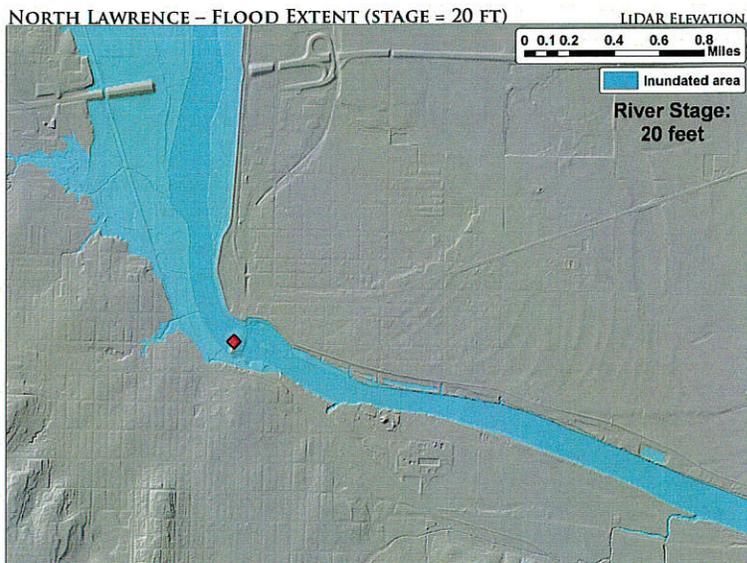
FOR MORE INFORMATION CONTACT JUDE KASTENS - JKASTENS@KU.EDU



.....KANSAS GIS POLICY BOARD - DATA ACCESS & SUPPORT CENTER - KANSAS GEOLOGICAL SURVEY.....

KBS FLOOD INUNDATION MAPPING PROJECT

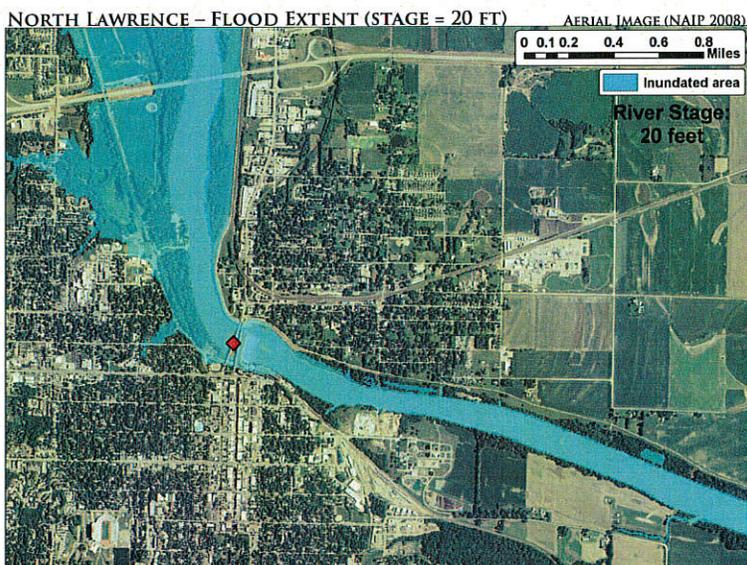
FOR MORE INFORMATION CONTACT JUDE KASTENS - JKASTENS@KU.EDU



.....KANSAS GIS POLICY BOARD - DATA ACCESS & SUPPORT CENTER - KANSAS GEOLOGICAL SURVEY.....

KBS FLOOD INUNDATION MAPPING PROJECT

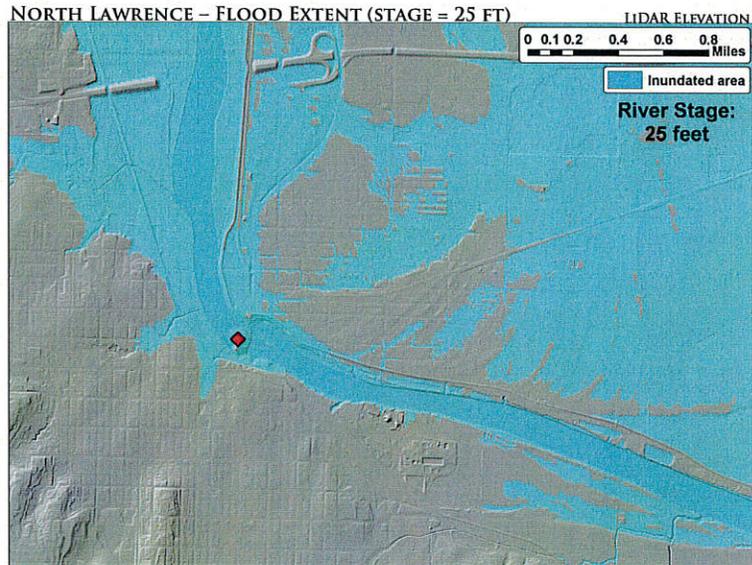
FOR MORE INFORMATION CONTACT JUDE KASTENS - JKASTENS@KU.EDU



.....KANSAS GIS POLICY BOARD - DATA ACCESS & SUPPORT CENTER - KANSAS GEOLOGICAL SURVEY.....

KBS FLOOD INUNDATION MAPPING PROJECT

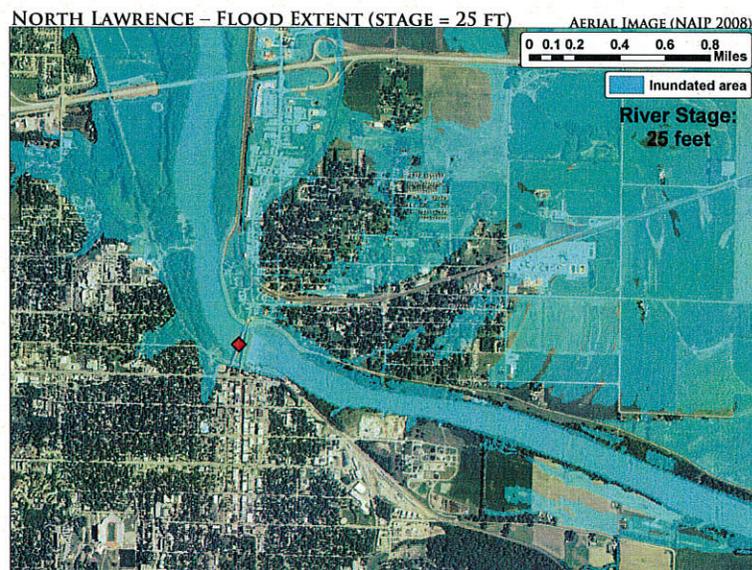
FOR MORE INFORMATION CONTACT JUDE KASTENS - JKASTENS@KU.EDU



.....KANSAS GIS POLICY BOARD - DATA ACCESS & SUPPORT CENTER - KANSAS GEOLOGICAL SURVEY.....

KBS FLOOD INUNDATION MAPPING PROJECT

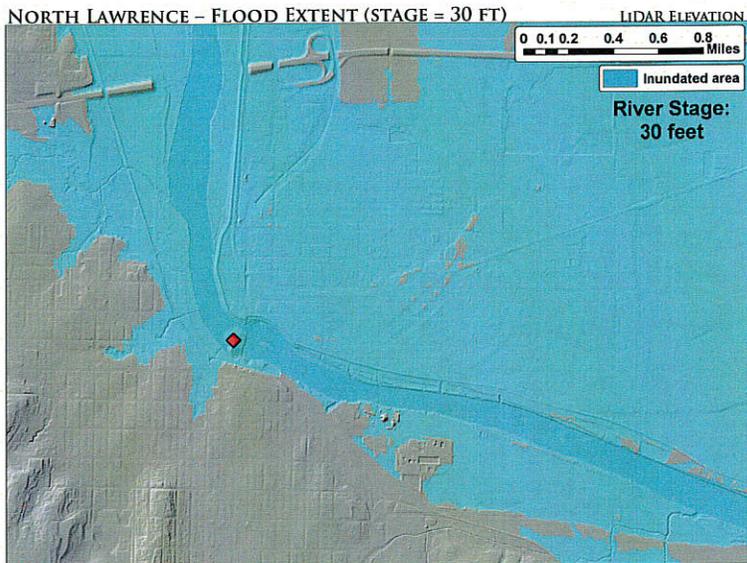
FOR MORE INFORMATION CONTACT JUDE KASTENS - JKASTENS@KU.EDU



.....KANSAS GIS POLICY BOARD - DATA ACCESS & SUPPORT CENTER - KANSAS GEOLOGICAL SURVEY.....

KBS FLOOD INUNDATION MAPPING PROJECT

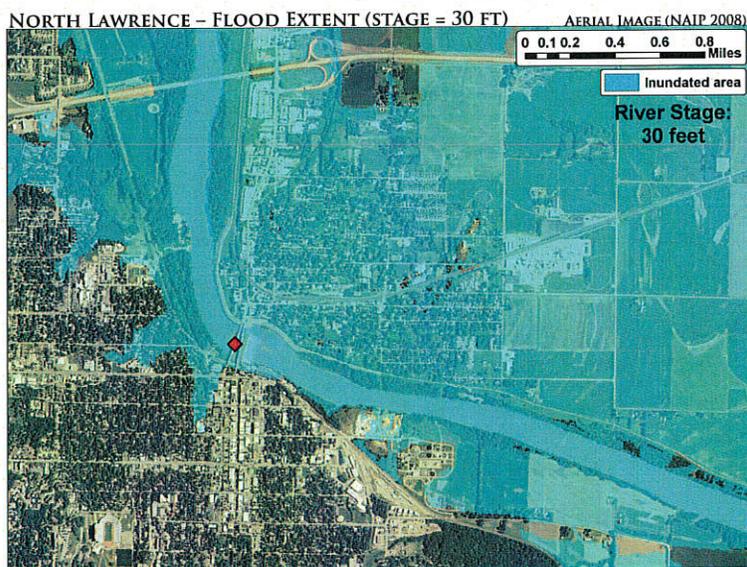
FOR MORE INFORMATION CONTACT JUDE KASTENS - JKASTENS@KU.EDU



.....KANSAS GIS POLICY BOARD - DATA ACCESS & SUPPORT CENTER - KANSAS GEOLOGICAL SURVEY.....

KBS FLOOD INUNDATION MAPPING PROJECT

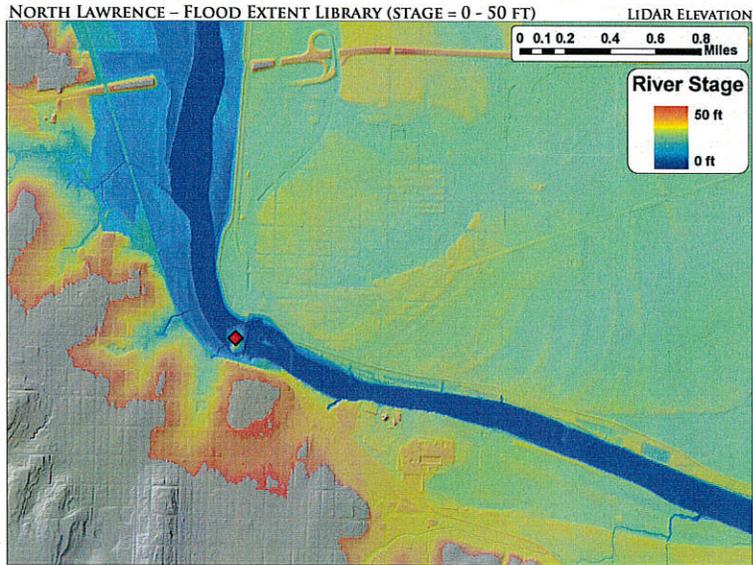
FOR MORE INFORMATION CONTACT JUDE KASTENS - JKASTENS@KU.EDU



.....KANSAS GIS POLICY BOARD - DATA ACCESS & SUPPORT CENTER - KANSAS GEOLOGICAL SURVEY.....

KBS FLOOD INUNDATION MAPPING PROJECT

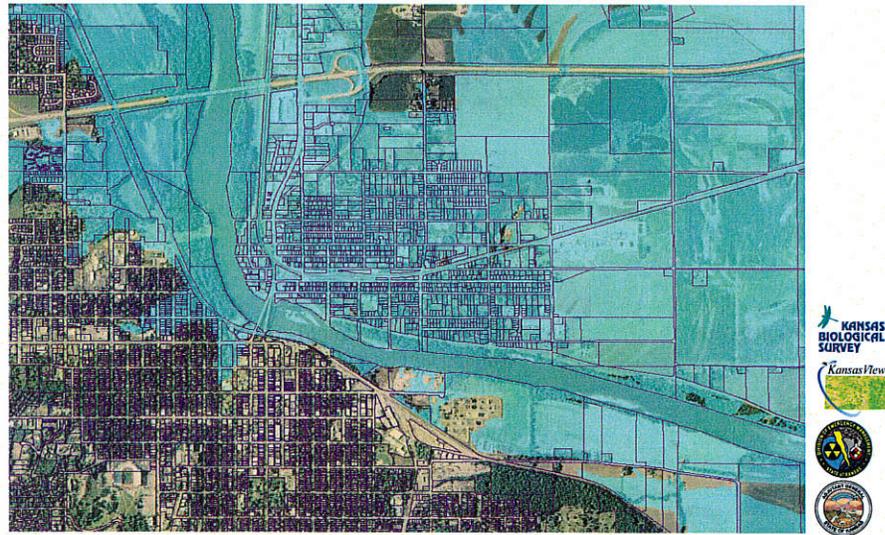
FOR MORE INFORMATION CONTACT JUDE KASTENS - JKASTENS@KU.EDU



KBS FLOOD INUNDATION MAPPING PROJECT

FOR MORE INFORMATION CONTACT JUDE KASTENS - JKASTENS@KU.EDU

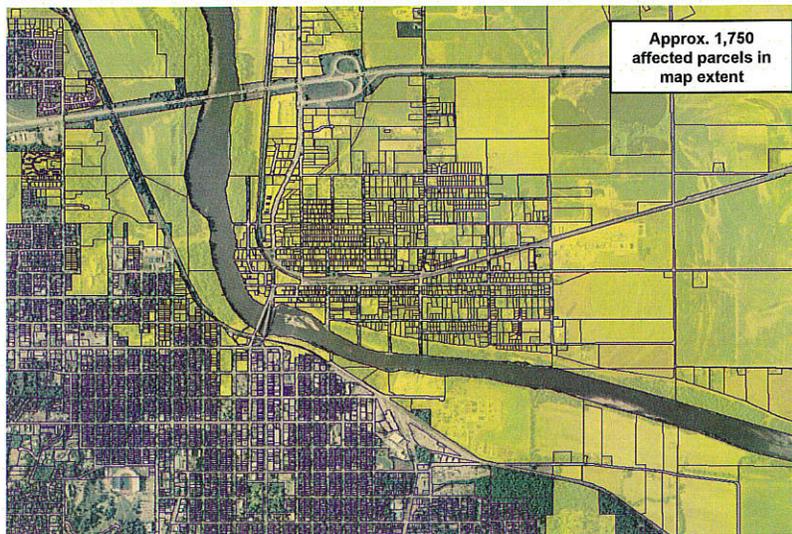
NORTH LAWRENCE - FLOOD EXTENT (STAGE = 30 FT) W/PARCEL BOUNDARIES



KBS FLOOD INUNDATION MAPPING PROJECT

FOR MORE INFORMATION CONTACT JUDE KASTENS - JKASTENS@KU.EDU

NORTH LAWRENCE - FLOOD EXTENT (STAGE = 30 FT) PARCELS WITH FLOODING



.....KANSAS GIS POLICY BOARD - DATA ACCESS & SUPPORT CENTER - KANSAS GEOLOGICAL SURVEY.....

CONTACT INFORMATION

Tracy Streeter	Director Kansas Water Office 785-296-3185 tracy.streeter@kwo.ks.gov
Ivan Weichert	GIS Director Kansas Information Technology Office 785-296-0257 ivan.weichert@da.ks.gov
Ken Nelson	KGS GIS Coordinator/DASC Manager Kansas Geological Survey University of Kansas 785-864-2164 nelson@kgs.ku.edu

.....KANSAS GIS POLICY BOARD - DATA ACCESS & SUPPORT CENTER - KANSAS GEOLOGICAL SURVEY.....