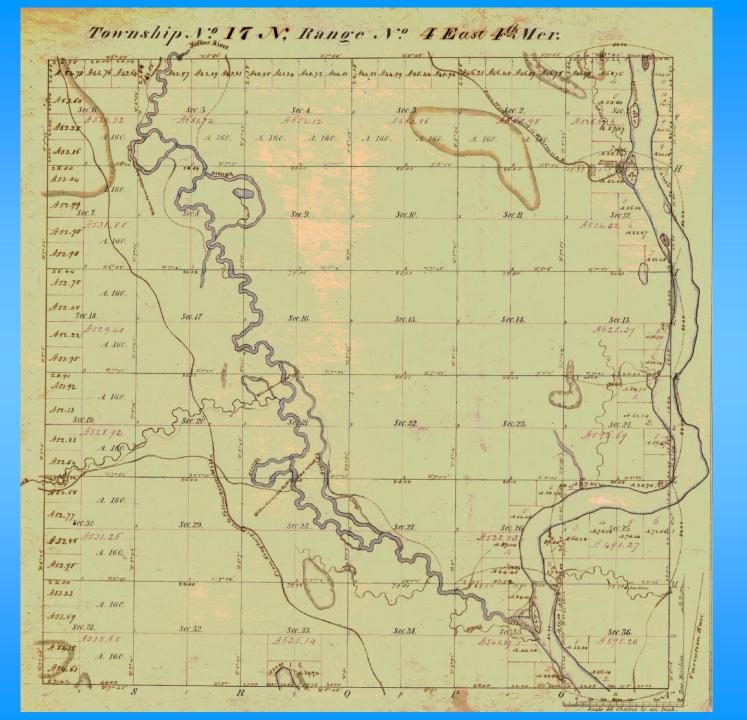


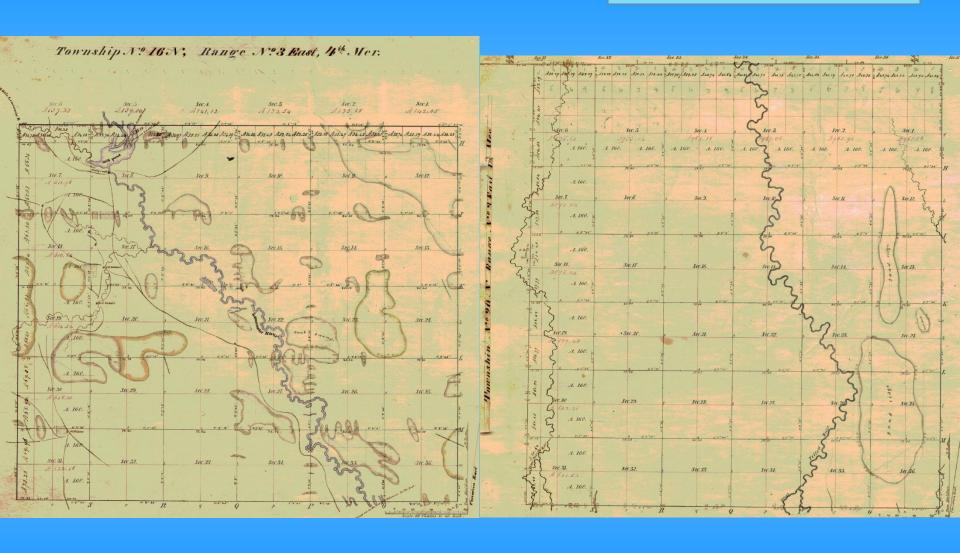
UKSKI, DENNIS VY PREUSS (LIFE BETATE), DARYLI SHRETS KATHRYN A Alen R Pauls William B Michael A& Judy L Tuille-Carol M Puruls, Karle Pulli George A Mary L Miller & Beberly Witne I C Bed-y Weber James White City Coblent rera Steven Barbara Gary L & John L.S. 6 Meer Bkn S **Ruh**A ILE uldin Gardine Gamerdinger John A.S. John A.S. Josephine M Josephine M Meixelsperger Frank Bender Jr Re taaf Melxelsperger Peler J & Gall E Rollins Kally A Reldaff James E hate tene E Rogers Collins Levey Tr Daniel L and & Bran ERdoff Re Marie Guess Family & Lynell Logan Re bland Gryder Mk FA R. Fry tyne lie Michael D Tungs kon & Karen J Hebring Thust Merlyn W Loir A Weber John E Butn & Mark leatherberry Tr Thomas W.S. Biward Weber 8 Lestie AWeber Chilley A Pake Gene H Alen L& JI George A Date A.S. & Bewerty C Schulb J Miler John M. Rim Judy L Weber Frank Jr & Carrello Am John P.S. Family Trust HIL Trust W. Corlima S Thudle M Debble Family Roloff Outlian. Ronald D.S. andall 38 Gary W Mp A & Willem T& Daniel L& & Mark V Belvi Convie L Lynel R Fry Larry A Be In A Kolod-A Blemeler Hastings Weber Mar shall dnoki Larson Stephanie J RAM W Bran ERdoff Dale & Natalle 3 Mossachek & Florence Searles Michols Brian T David V George Schoenleber Ronald D.S. S Karen L Homed Calle Joseph R Jane IC O ITI A.C. Theb Weber Creek LLC Roelling 883 Ronald W Rober I La erlaine UNION Dwayne T Lurvey Michel (Douglas A& Thudle M The Heding Stone-& Gloria Glenn N CENTER Diana Marchal Rolon Family LLC & Arlene K breaker Berndl Michael C tand & Do Lille Oberhol ber Hastnes Denvis W& Calle LLG Acres James F & Thomas Bretyn K Miller D Taylor Barbara A O II Liruey Hillsboro Blaine L.S. & Joan F Rober I L Judi in Taylor Holly Messter Cooperate Donald I torendo F.S. Warehouse **PSIAZumslein** Darold D. Jan Spe Michael At & Kerrf S 2 Burng Thus I Contgillatio Johny's Crystal Gordon C & State of Williams Wheewoo RuthM Development Schmid! Commission Joseph & Harry Alva K Robard V Lange Anderson _ Karen J Abert & Boshsky Roll Sher-BA Dolores Flok Weber 30 Richard H Oscar & Belly Orto F & Schaler Farm & Margare I/ antel L Thelma J Valleys & Maltrew K Donald L.S. onservancy LLC Larrue Lange Degrer HER LLC Ramona Bell 91 Richard R. Eric J Miner Roarld & Ouslan Robert E Johnson Daniel L Gordon C Donaran F Misleve-& Bornte J S Ruth M Odwild I & Barbara Lange Richard H & Sanlas L.E. Dormal Rick Tr WONEWOC Albert & Dolores Flok Kableen Rent L & tma Wolfe L.E. Dean& FF Wilderradi Baine I Wolf, Anthony Ma Donavan H Lorna KMiller BIS Hmberly J Stokes [& Barbara | & Randy S Brinis Har Ir Jarrod & Carl W.S. deda M David L& Sharon S NSR Metaer Thomas Jr. Torra Degner Dawn Biki Hus! Laubscher & Midwile MS.R. Doublas Me traer & Karin M Powe Brummeyer

Town of Wonewoc





16-3 & 20-3





Juneau County Land Information

A short overview of

Geographic Information Systems

Geographic Information Systems is a system of computer software, hardware, data, and personnel to help manipulate analyze and present information that is tied to a spatial location.

(Source: www.gis.com, October 2003)

A simple way of thinking of it is a smart map which helps you to answer real world questions.

Raster- A raster layer is made up of many squares. Each of these squares represents the information contained within its boarder. In this case the information represented is color. As you see on the right when you look closely at a raster layers you can see the squares.

Types of GIS Layers



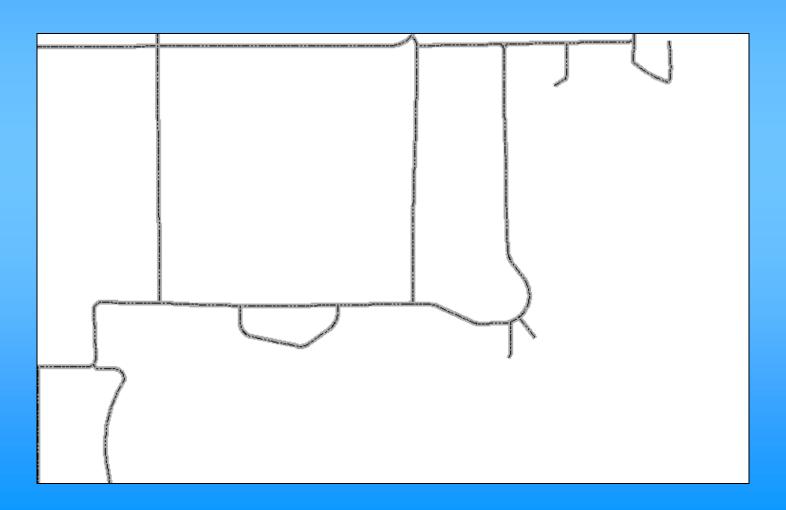
Types of GIS Layers

Point- A point layer is made up of symbols which represents a specific geographic location. Point layers can represent many types of features. This point layer for example represents building locations. Other point layers might represent school, traffic light, store, city or town hall locations.

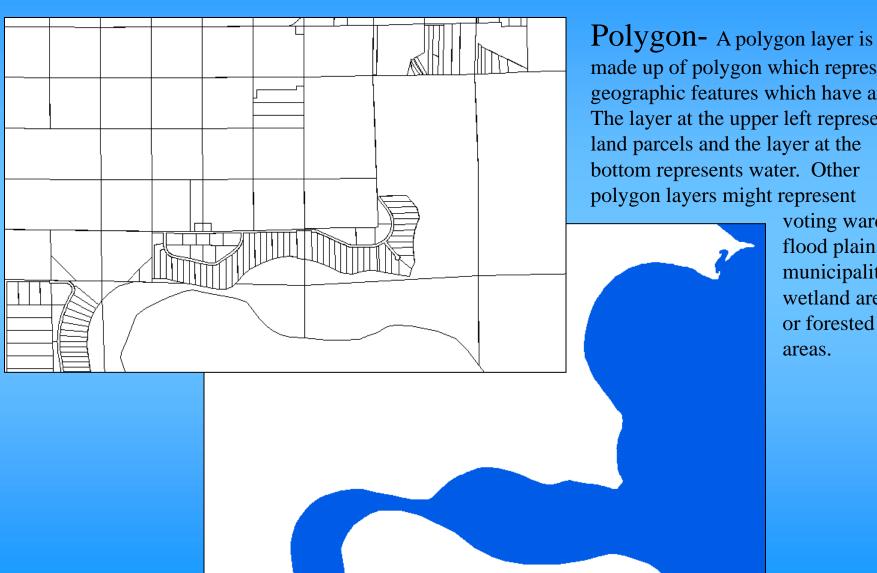


Types of GIS Layers

Line- A line layer is made up of linear symbols which represents a geographic linear feature. This line layer for example represents road center lines. Other line layers might represent stream centerlines, flood plain boundaries, recreational trails, or electric lines.



Types of GIS Layers



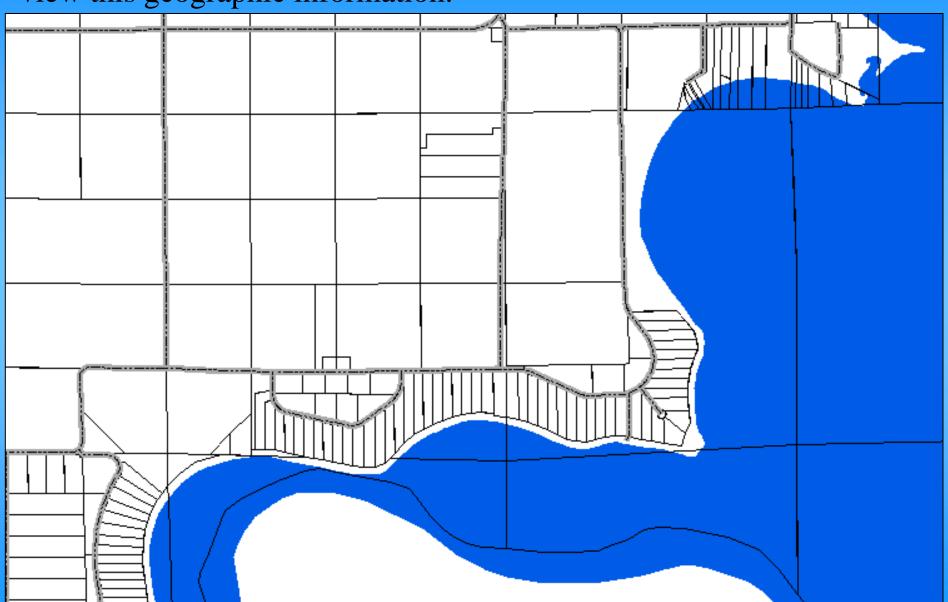
made up of polygon which represent a geographic features which have area. The layer at the upper left represents

> voting wards, flood plains, municipalities, wetland areas or forested

There are many ways to view this geographic information.

You can view some layers.

(WATER, LAND PARCELS AND ROAD CENTERLINES)



You can view all layers.

(WATER, LAND PARCELS, ROAD CENTERLINES, AERIAL PHOTO, AND BUILDING LOCATIONS)



And you can change the way they look.



GIS can be used as a smart map largely because the spatial features

Identify Results

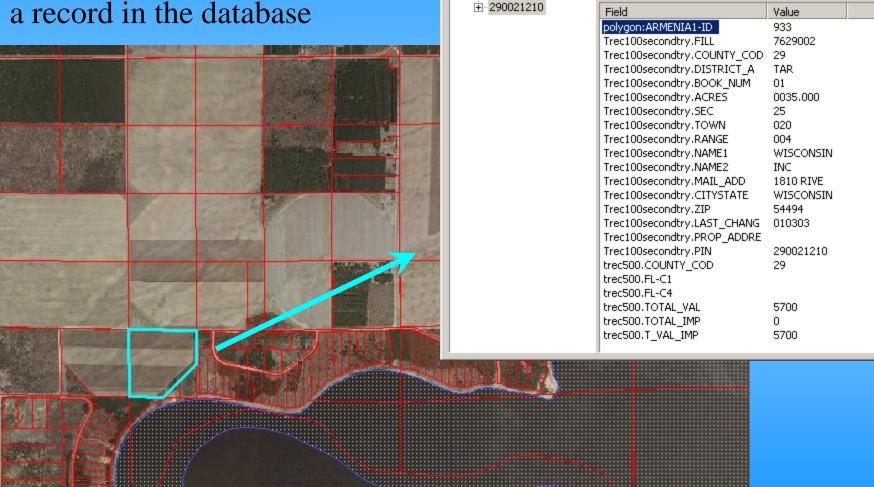
Layers: <Top-most layer>

□ armenia1 polygon

Location: (489785.700827 293404.674831)

are linked to databases.

Each spatial feature is tied to a record in the database



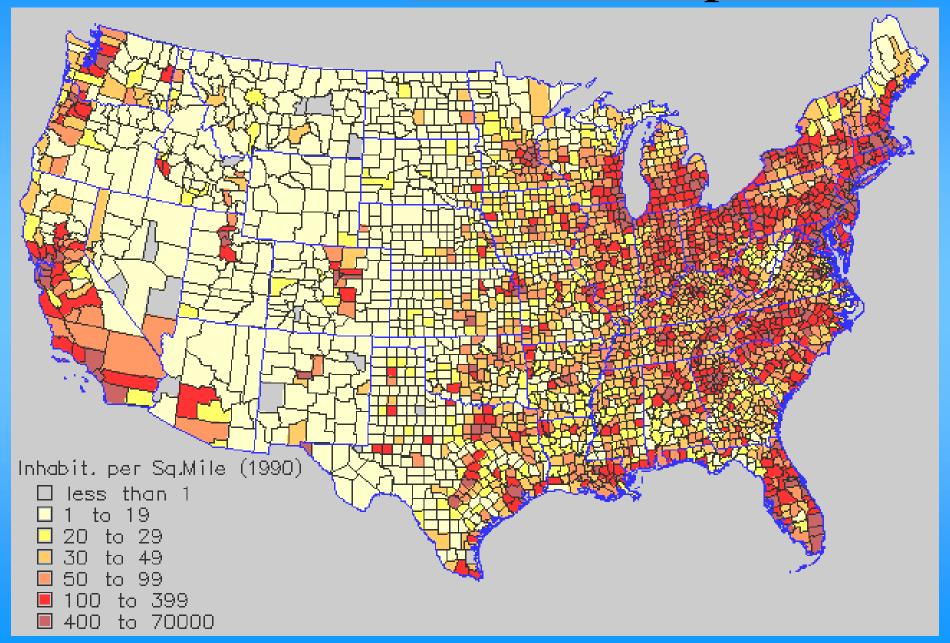
Spatial Data

Data currently on hand – AutoCAD parcel maps (entire county), DTM (Digital Terrain Model), DEM (Digital Elevation Model), 2010, 2003 color orthophotography, 1999 b/w orthophotography, 1978 black and white hard copy photos, and 1938 black and white hard copy photos.

GIS layers currently being developed, refined and maintained – Railroads Major Roads ROW, Local Roads, Town Halls, Congressional Districts, Senate Districts, Assembly Districts, Local voting wards, Police Departments, Airports, EMS, Fire Departments, Haz_Mat, Schools, Churches, Waysides, Hospital, ESN, School Districts, Lot Dimensions, Address Points, Driveways, City and Village Address Points, Parcels, Subdivisions, Easements, Survey Lines, Survey Labels, Lot Lines, Lot Labels, ATV Trails, Campgrounds, Parks, Boat Landings, Snowmobile trails, Soils, Dams, Floodplain, Wetlands, Streams, Lakes, Rivers, Minor Civil Divisions, Zipcodes, Fortys, Sections, Townships, Landfill Wells, Bridges, State Sections, County Sections, Winter Sections, Mauston Zoning, TIF District 2, TIF District 3, Mauston Voting Wards, Aldermanic Districts, Extraterritorial Boundary, Extraterritorial Zoning, V. Necedah Zoning, V. Necedah Tiff Dist, Nitrate Level, 2nd Nitrate Levels, and Road Centerlines

New layers are developed or created as needed, once they are, we maintain them.

1990 US Population



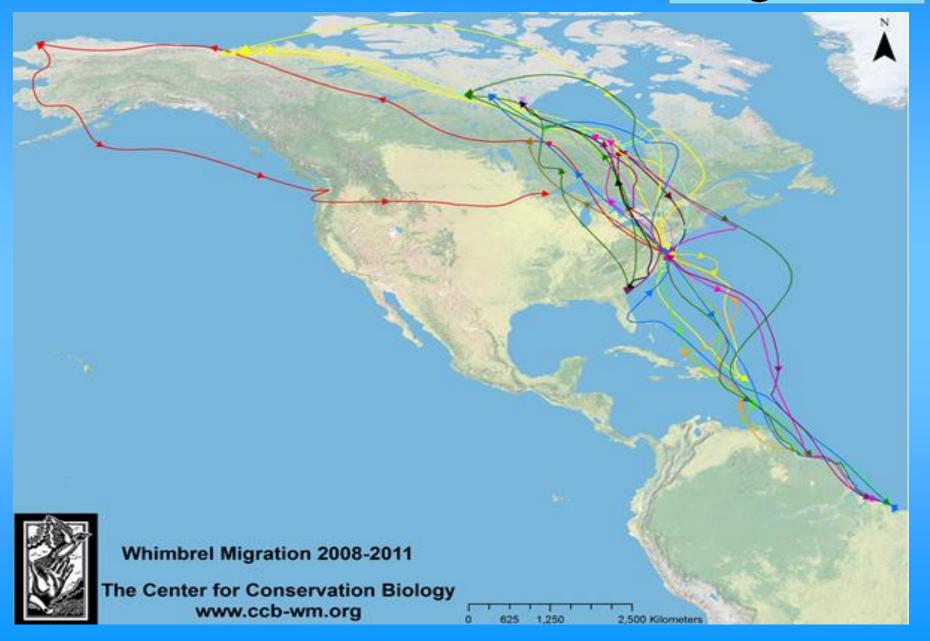
McDonald's Density



Ship Traffic



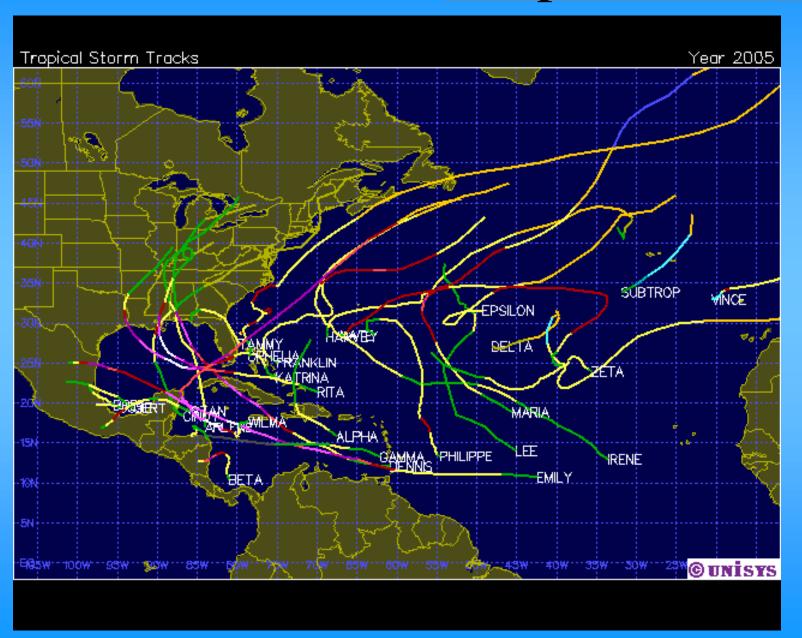
Migration



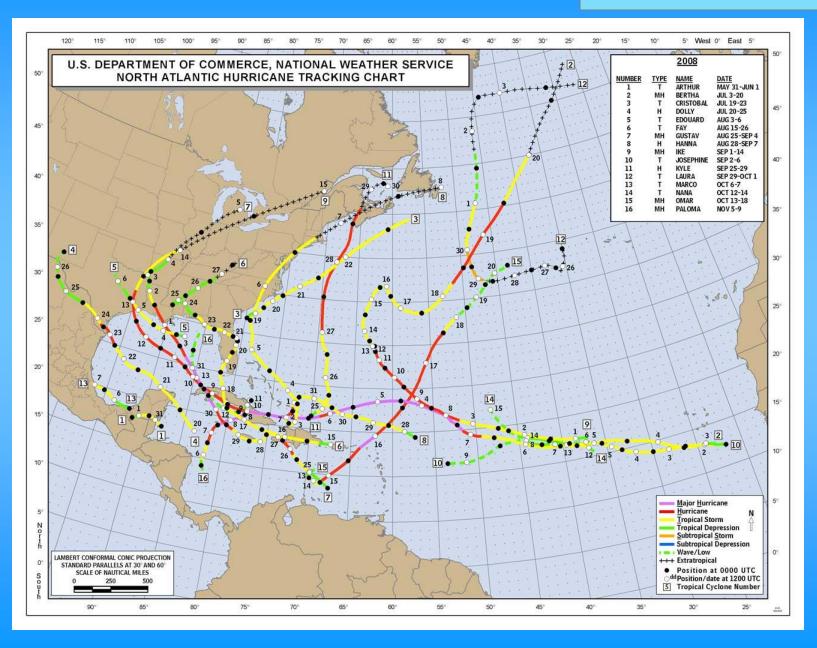
Storm Tracking



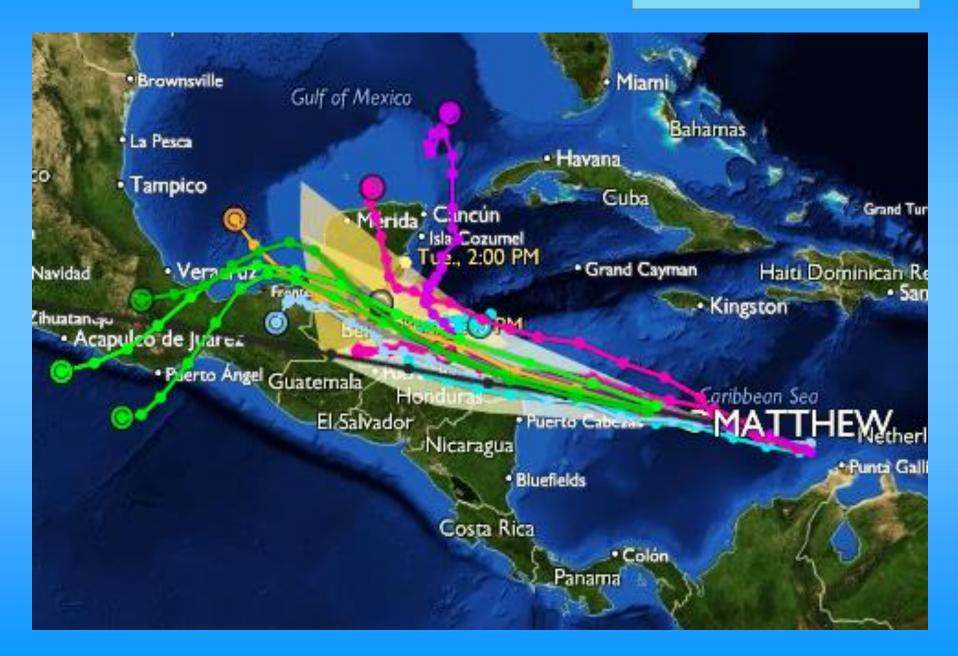
Tropical Storms



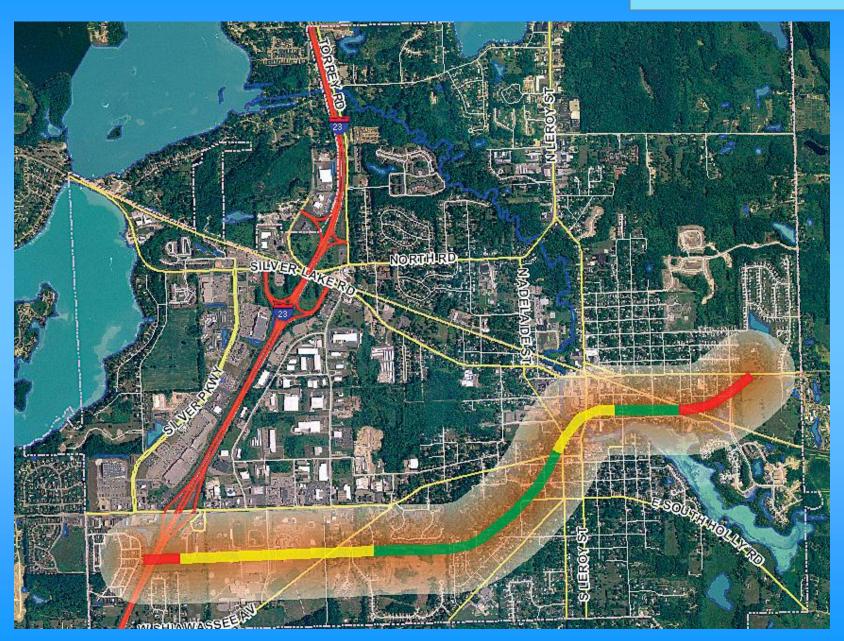
Hurricanes

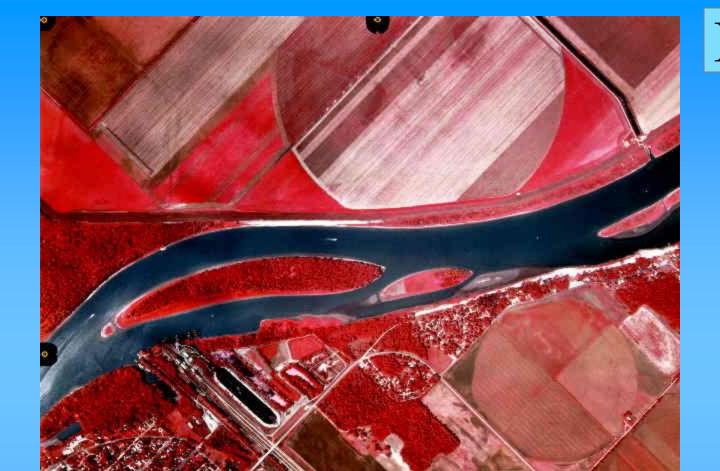


Hurricanes



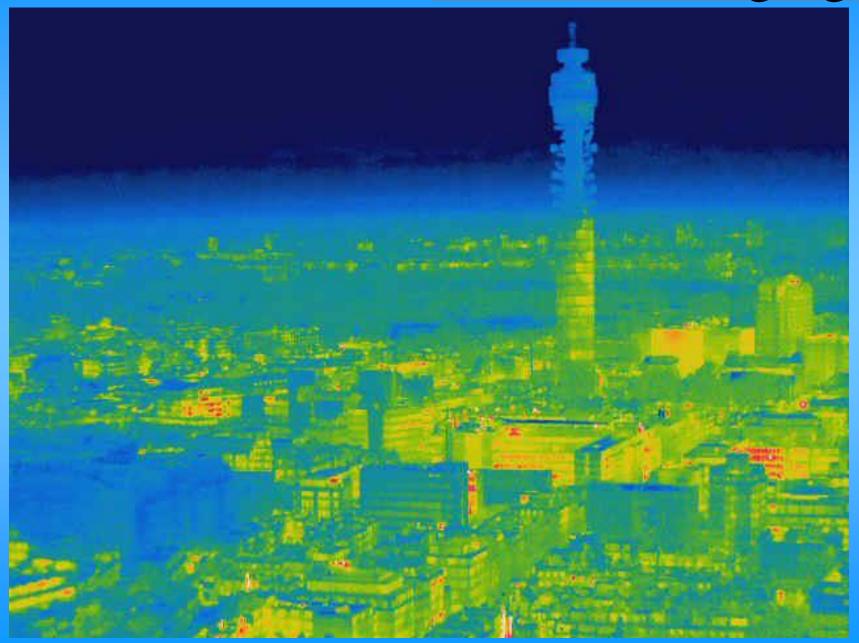
Tornados





Infrared

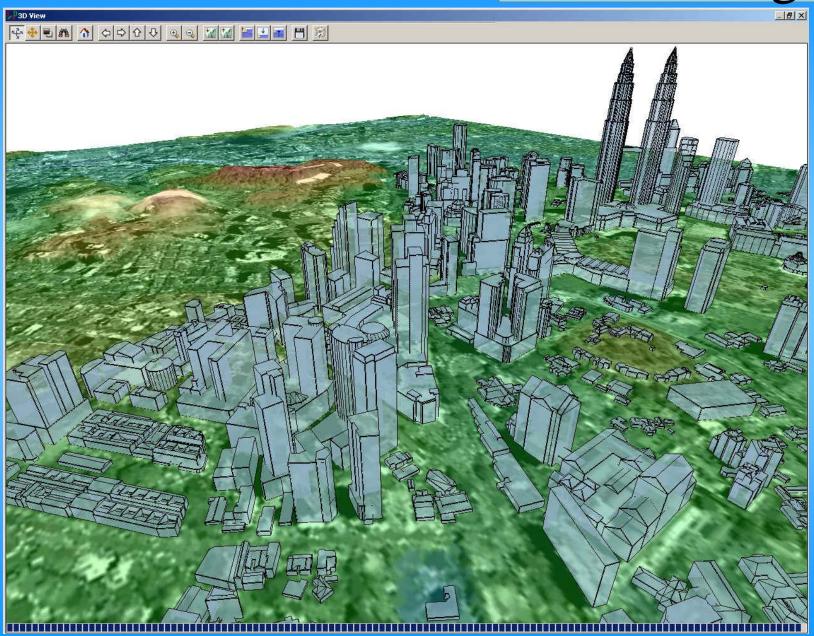
Thermal Imaging



3D Buildings



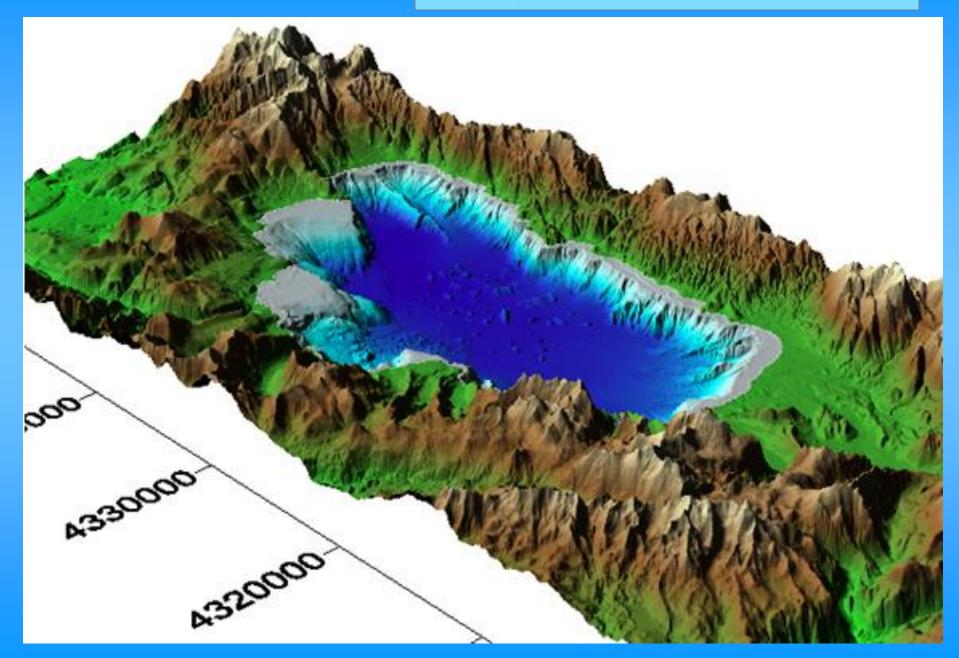
3D Buildings



Landscaping Layout



Elevation Terrain





Juneau County Land Information

If any of you have questions concerning the nature of GIS, what geographic data we have, or how we are using GIS in Juneau County we would be more than happy to talk with you.

Bret Davies, LIO

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Liz Housworth

GIS/LIS Specialist liojuneau@co.juneau.wi.us Phone: 847-9457