

## Geographic Information Systems: The definition of GIS

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

### Terms Defined:

- *system* - the linking together of software, hardware, data
- *personnel* - a thinking explorer who is key to the power of GIS
- *information* - visualization of data analysis
- *spatial location* - usually a geographic location

### What is Not GIS?

- **GPS** -- Global Positioning System

Defined as “A navigational system using satellite signals to fix the location of a receiver on or above the earth’s surface”.

- A **software** package(s)
- **Static Maps** -- paper or digital
  - Maps are often a “product” of a GIS
  - A way to visualize the *analysis*

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## Stevens County GIS



## Geographic Information Systems

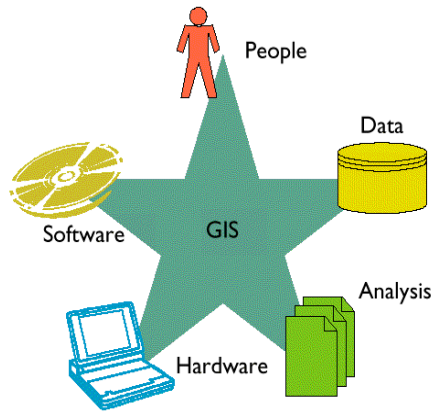
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## Key components of GIS?

- An integration of five basic components



## Benefits of GIS

- Enhanced capability/New applications
  - Cost savings/Operational efficiencies
- Better data management
  - Promote data sharing
- Enhance communication
  - Facilitate decision making
  - Better decisions

## Who uses GIS in Stevens County

Assessor's Office  
 Commissioners  
 E911 & Law Enforcement  
 Elections  
 Information Services  
 Land Services  
 Public Works  
 Weed Board

## GIS Digital Datasets

The following is a list of the GIS layers that will be available to other agencies and private parties upon request. These layers are used by Stevens County on a regular basis and are maintained/edited by Stevens County staff. These layers are limited to the Stevens County outline and in most cases do not extend past its boundaries.

Digital data is available on CD in ESRI shape file, or ArcGis8.3 geodatabase formats. Metadata is limited & may not be available for all datasets. The projection for all the datasets is UTM NAD83 Zone 11 Meters.

Layer Name	Description
City	City Boundaries
Comdist2002	Commissioner Districts 2002
Contour020	20 foot Contours
Contour040	40 foot Contours
Contour200	200 foot Contours
Corners	Cadastre Points
County	County Boundary
Districts2002	Public School District Boundaries
FireDistricts	Fire District Boundaries
GrazingEx	Closed Grazing Areas
LatLong	Latitude and Longitude Lines
MplStevens	Major Public Lands
Parcels	Tax Parcel Layer
Precinct2002	Voting Precincts 2002
Roads_all	Stevens County Transportation
Sections	Cadastre Section Layer
Township	Cadastre Township Layer
Zipcodes	Stevens County Zipcodes

## Mapping Products

Hard copy maps are available for purchase from Information Services. To Order:

Print the form found at [www.co.stevens.wa.us/gis/gis.htm](http://www.co.stevens.wa.us/gis/gis.htm).

Fill out the form; calculate and include the total cost of your order.

Sign the Terms and Conditions (page two of form).

Mail the form, including the signed Terms and Conditions, and a check for the total cost of your order to the address shown below. (Keep a copy of the completed form and the signed terms and Conditions for your records.)

All maps include Title, Date, Legend, Scale, North Arrow, and Disclaimer. The available large scale (36"x 48") maps are:

Transportation	Emergency Response
Public Lands	Incorporated Cities
Electoral Districts	Fire Districts
Grazing Restrictions	Tax Parcels
Precipitation Zones	Hillshade
Detailed Parcel Areas	Recreation

Map & Paper Type	Price
8 ½ x11 Section Plain Paper	\$ 2.50
8 ½ x11 Section Gloss Paper	\$ 3.00
11x17 Township Bright White	\$ 5.00
24x36 County Map Plain Paper	\$ 8.00
36x48 County Map Plain Paper	\$10.00
36x48 County Map Heavy Paper	\$12.00
36x48 County Map Gloss Paper	\$15.00
36x72 County Map Heavy Paper	\$20.00
Custom Maps & Analysis	\$50.00 per hour