

What is GIS?

The GIS is a computer system that stores information about places on the earth's surface. Multiple geographic information layers can be overlaid in their proper geographic reference to one another for interactive mapping and analysis.

GIS

* stands for Geographic Information System

* is a computer information system designed to hold and use information describing places on the earth's surface.

* is an analysis tool used to answer questions such as

* Location: What is at...?

ex. What is at the corner of Broad St. and Marne Hwy in Hainesport, NJ?

* Condition: Where are a certain set of conditions met?

ex. Where are farm properties >20 acres?

* Trends: What has changed over time?

ex. How much farm/vacant land has been developed in the past year?

* Patterns: What spatial patterns exist?

ex. Is there a concentration of rabies cases near Hainesport?

* Modeling: What if...?

ex. What would the flooding affects be of 8 inches of rainfall in a day?

(This is the most complex type of question requiring advanced software and training).

GIS is a collection of:



Designed to.

Capture

Store

Update

Analyze

&

Display

all forms of geographic information.

Links to Videos and articles:

What is GIS? This video explains what GIS is and how it works:

<http://www.esri.com/what-is-gis/index.html>