

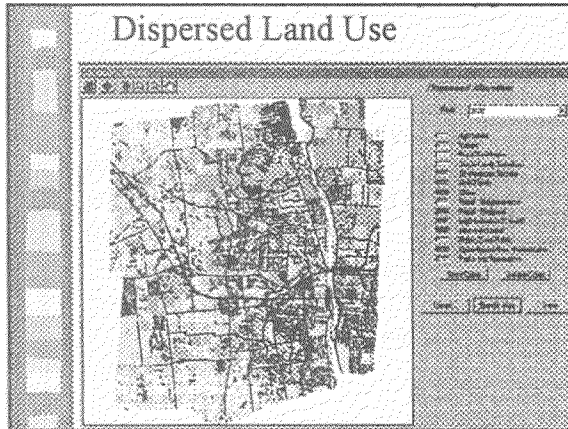
Overlay Analysis

- Example – To locate a new industrial plant
 - Find all areas NOT in a floodplain
 - ARE near water supply
 - and ARE within 1 kilometer of a major road
- Overlay analysis is very powerful for site selection

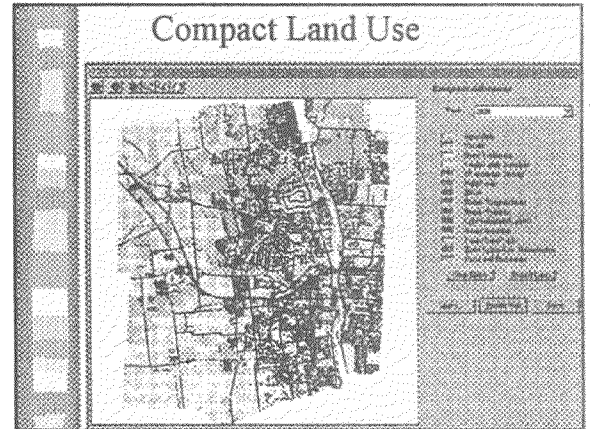
An Overlay Example

- A region can analyze its expected future development by overlaying
 - Current land use
 - Available land
 - Policy
 - Environmental constraints
- Areas of expected future development can be shown

Dispersed Land Use



Compact Land Use



3-D GIS

- GIS is focusing on 3-D representation
- One example is 3-D Analyst, part of ArcView from Environmental Systems Research Institute (ESRI)
- 3-D Analyst is permits three-dimensional display and analysis
- This is NOT an architectural CAD program. Has full GIS functionality.

