Geographic Information Systems (GIS) in Planning and Resource Management

ENVS 6189 3.0 – Session IX

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The ArcSDE Geodatabase:

- A container for spatial and attribute data
- Enhances capabilities of existing data models
- All relational data storage using ArcSDE
- Versioning and long transactions
- Assign Behaviours
The Geodatabase Advantage:

- Custom features
- Multi-user editing
- Relationships (referential integrity)
- Enhanced line topology
- Attribute validation (domains, subtypes)
- Scalable storage solutions

GIS in Environmental Studies
Geodatabase Tables

GIS in Environmental Studies
GIS in Environmental Studies
GIS in Environmental Studies

Workspace

Feature dataset

Object class

Relationship class

Topology

Annotation class

Geometric Network

Raster

Dataset

Feature class

Geometric Network

Object class

Workspace

Geographic Services

GIS dataset

Network

Annotation class

Relationship class