

## **GIS/DSS Committee Logic Model**

### Resources:

- GIS/DSS committee members
- Other committee members, Service personnel, partners, and volunteers
- Hardware/software – gis workstations, desktops, software contracts
- Existing spatial data
- Existing database designs and applications (decision support system templates)
- High-speed internet connections (most Service stations)
- Web-based conferencing

### Activities:

- Database design
- Acquisition of spatial and non-spatial data
- Technical support
- Data analysis
- Education (workshops, training) and outreach materials (users guides)

### Outputs:

- Desktop (stand alone) and web-based decision support system
- Strategic plan for implementing geospatial technologies
- Spatial and non-spatial data for targeted analysis (potential lake sturgeon habitat, high-priority islands, etc...)
- Webpage

### Short-term outcomes:

- Identify and summarize Great Lakes Basin issues that can be addressed using geospatial technologies.
- Inventory existing geospatial capabilities and data
- Finalize (update) GIS/DSS committee strategic plan for implementing geospatial technologies
- Distribute pilot decision support system to the field stations for feedback

### Mid-term outcomes:

- Implementation of geospatial technologies throughout the Great Lakes basin
- Maintain and update information within the decision support systems
- Maintain and update the capabilities of the dss (new questions answered, changes in the interface)

### Long-term outcomes:

- Management of the Great Lakes resources at the ecosystem level
- Conservation of fish, wildlife, and their habitat
- Assist other committees and programs within the Service and their partners with development of geospatial technologies to achieve their long-term outcomes (i.e., long-term protection of island communities for the Islands committee, self-sustaining lake sturgeon populations for the lake sturgeon committee).