

Adapting Multiple-use Resource Planning in N. Minnesota to a Changing Climate November 28, 2007

Challenges:

- Communication issues (within and between agencies)
- Shared vision (resist change or adapt?)
- Multi-agency involvement
- Finances
- Current agency policy limitations
- Public perception

Opportunities:

- engaging in improved communication (within and between agencies)
- forming shared visions
- employ creative solutions
- financial multi-agency partnerships
- reinvent policy and potential new funding options
- create partnerships with stakeholders
- build in flexibility to form adaptable planning/policy

Strategy 1: Build in Flexibility

Techniques

- shorten operational time scale
- improve monitoring
- adjust agency policy
- set benchmarks
- consider best and worst case scenarios

Strategy 2: Uncertainty

Techniques

- expand toolbox of species (extremely carefully)
- use/engage in experimentation
- use available models
- investigate tolerance in native species

Strategy 3: Developing a shared vision

Techniques

- multi generational involvement
- include all stakeholders/policymakers/landowners in strategy development
- improve communication (see strategy 4)

Strategy 4: Communication

Techniques

- improve connection between research and management
- include Canadian management into the conversation
- increase communication within and across agencies

Strategy 5: Connect scales of planning

Techniques

Spatial:

- International
- National
- State, Local...etc

Temporal

- Shorter time frame planning
- Develop a more efficient process
- Integrate change points/benchmarks

Strategy: Reduction of Emissions

Techniques

- improved education
- sequestration alternatives
- emphasize environmental connection to life choices