

Visualization



Run Through a Wall



Lake Management Planning

- > Why is Planning Important
- > The Planning Process
- > Key Partners in Developing a Lake Plan
- Lake Management Plan Titles and Components
- Successful Implementation of Management Recommendations
- > Grants

Why Is Planning Important?

- Development
- > Habitat
- > Fish / Aquatic Plants



- Recreational / Human Use Conflicts
- Nutrients / Water Quality
- Aquatic Invasive Species



The Planning Process

- Appraisal of Existing Information
- > Public Education and Involvement
- Collecting New Data
- > Analysis
- > Recommendations
- > Implementation



Who is Involved in Developing a Lake Management Plan?

- > WDNR
- Applicant (sponsor or other partners of a grant/project,)
- > Private sector
- > Stakeholders



Deciphering the Terminology

- Comprehensive Lake Management Plan
- Lake Management Plan
- > Aquatic Plant Management Plan
- > AIS Control / Management Plan





What Is a Lake Plan?

- > NR 198
 - Aquatic Invasive Species Control Grants
- > NR 191
 - Lake Protection & Classification Grants

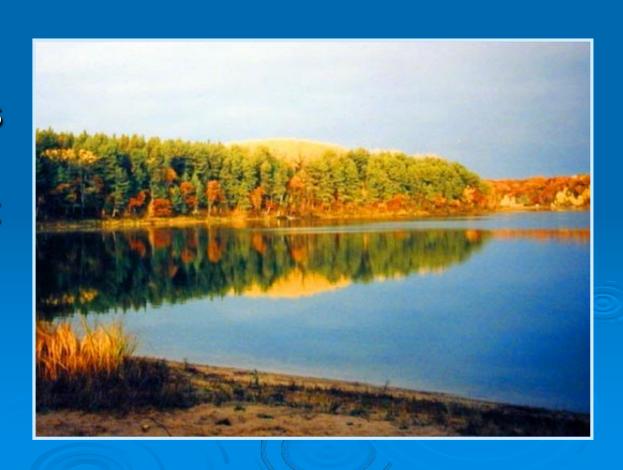


Aquatic Plant Guidance Document

http://www.uwsp.edu/cnr/uwexlakes/ecology/APM/APMguideFull07.pdf

Comprehensive Lake Management Plan Components

- > Public Involvement & Education
- > Watershed
- Water Quality
- > Aquatic Plants
- > Shoreland
- Woody habitat
- > Fisheries
- > AIS
- Capacity
- > Other



Public Involvement & Education

- > Educational Activities
 - Workshops / Trainings
 - Packets / Literature
 - Presentations / Articles
- Planning Meetings
- User Surveys
- > LISTEN





Watershed

- Delineate size & land uses
- Partition nutrient loading
 - Identify / prioritize nutrient loading concerns
- > Assess riparian / shoreland area

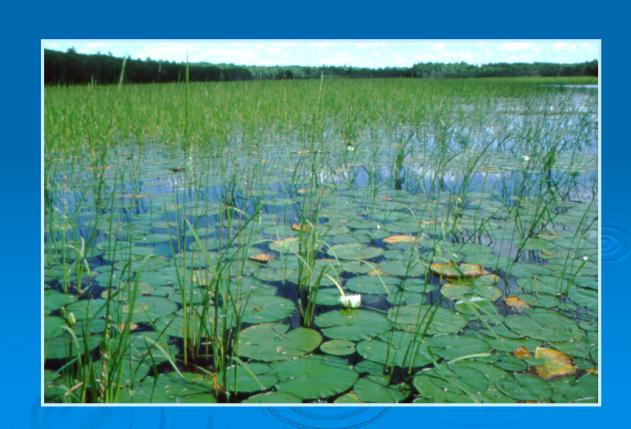
Water Quality

- Citizen Lake Monitoring Network
 - Secchi
 - Phosphorus
 - Chlorophyll a
- > Other Parameters
 - Nitrogen, Calcium
 - Suspended Solids
 - Temperature, Dissolved Oxygen
- Trophic State Index (TSI)
- Limiting nutrients



Aquatic Plants

- Floristic Quality Index (FQI)
- > Plant Communities
 - Submerged
 - Emergent
 - Floating
- Diversity
- > Vouchers



Shorelands

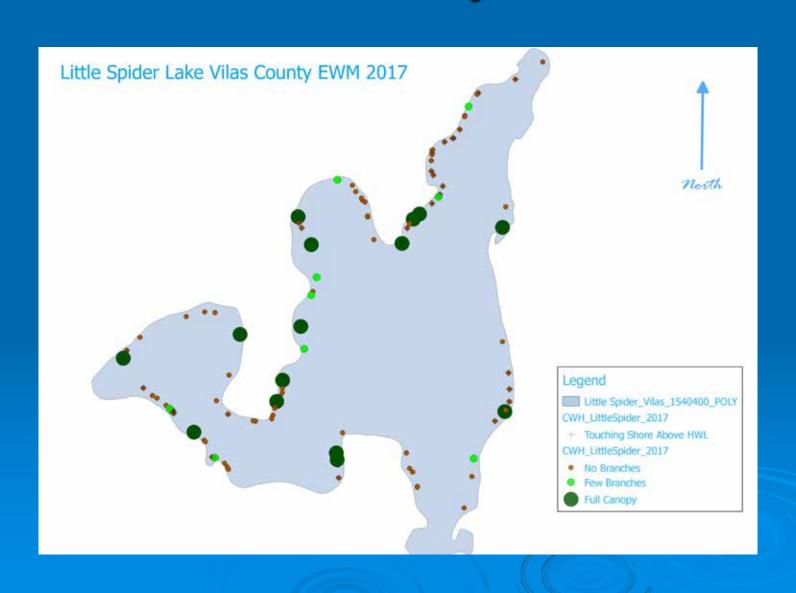
- Parcel assessment
- Near shore area
 - 35' above OHWM
 - 50' below OHWM



 Impervious surfaces, piers, erosion, canopy, shrubs, grasses, aquatic plants......



Coarse Woody Habitat



Fisheries

- Existing community / life history
- > Relate current fish populations to study
- Evaluate potential management impacts to fish community





Aquatic Invasive Species (AIS)

- Monitor and Map existing AIS
- > Look for new AIS
- > Prevention / Containment
- > Control







Capacity



The Planning Process

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Implementation

- Road map for next 5 years
- Recommendations from components
- Dept approved plan
- > Identifies the
 - Who
 - What
 - When
 - Where
 - How



Management Recommendations

- Active management (nutrients, habitat, social)
- Monitoring activities (CLMN water quality, AIS, aquatic plants)
- AIS prevention
- Lake protection options (conservation easements land trusts)
- > Education
- Others (ordinances, critical habitat, fisheries, lighting, noise, etc.)
- Go Fishing (Insert any interest, other than "cleaning" the shoreline.....)

WDNR Surface Water Grants

- Lake Planning Grants
 - . Small scale
 - Large Scale
- > Lake Protection Grants
- > Healthy Lakes
- Aquatic Invasive Species Grants
 - Education, Planning and Prevention
 - Rapid Response
 - Established Population
 - Research and Demonstration
 - Maintenance

