

# Appendix 11. Goals and Objectives of County Land and Water Resource Plans

## ***Florence County***

Goal #1: Improve shoreline management to reduce nonpoint pollution.

Objectives:

1. Establish cost-sharing programs for fencing of agricultural shorelands.
2. Establish demonstration cost-share program for restoration of shoreline buffers for nonpoint pollution control, aesthetics, and improved wildlife and fish habitat.
3. Protect critical habitat through permanent easements, transfer or purchase of development rights, land trusts or outright purchase of land.

Goal #2: Retain, enhance and restore vegetative buffers on lakes, rivers, and intermittent streams to preserve and improve shoreline habitat and reduce pollutants entering our waters.

Objectives:

1. Educate riparian landowners about the values of vegetative shoreline buffers and the best management practices to protect and restore them.
2. Develop best management practices on shoreline demonstration sites to restore and maintain riparian habitat.
3. Protect critical habitats and reduce development pressures on sensitive water bodies.
4. Establish Florence County buffer standards. Develop an effective enforcement plan that encourages public involvement in enforcement of ordinances.
5. Study the effectiveness of lakeshore vegetative buffers in reducing sediment and phosphorus concentrations in runoff.

Goal #3: Protect wetlands by eliminating their loss and degradation and encourage the restoration of wetlands.

Objectives:

1. Increase public awareness about the role wetlands play in protecting water resources and the strategies to protect and restore wetlands.
2. Restore wetlands through private, local, state, and federal cost sharing and easement programs.
3. Update countywide ordinance for wetlands protection.

Goal #4: Minimize the adverse effects of urban sprawl and land fragmentation of water resources.

Objectives:

1. Educate boaters on proper boating techniques to prevent damage to sensitive lake ecosystems.
2. Use tools such as property tax incentives, transfer of development rights, land trusts, and other incentives to limit the impact of residential and commercial development on water resources.
3. Encourage municipalities to adopt the water resource related standards of the Florence County Comprehensive Land Use Plan.
4. Develop water resource management activities that are consistent with the land use plan.
5. Develop standards that limit the impact of residential and commercial development on water resources. Incorporate these standards into the implementation of the land use plan.
6. Provide educational brochures on the impacts of spilled gas on water quality at boat landings.

Goal #5: Reduce nonpoint pollution and environmental risks to water quality through proper animal waste and nutrient management.

Objectives:

1. Recognize landowners that follow animal waste best management practices.
2. Provide technical assistance to promote animal waste best management practices.
3. Develop funding sources for a county cost share program to assist existing agricultural operators in complying with state rules.
4. Educate landowners on improved fertilization techniques to reduce phosphorus loading to water resources.

Goal #6: Reduce erosion from construction sites.

Objectives:

1. Increase the knowledge of landowners, contractors, Realtors, and public officials about the impact of construction site erosion on water quality and the practices available to reduce erosion.
2. Assess and improve the effectiveness of enforcement of erosion control (excavation plan) provisions of the Shoreland Zoning Ordinance.
3. Develop a countywide construction site erosion control ordinance.

Goal #7: Improve, enhance and promote forestland management to protect wildlife habitat, water quality, control sediment and erosion.

Objectives:

1. Develop and expand educational programming for forestry practices.
2. Reduce erosion and habitat degradation caused by ATV use.
3. Encourage sound forestry practices on private land and public lands.
4. Develop ecosystem based Forest Land Management Goals.
5. Improve forest road maintenance and construction methods through educational workshops.
6. Control illegal garbage dumping on commercial, County State and Federal forestlands.

Goal #8: Improve town and forest road maintenance and construction to reduce nonpoint pollution.

Objectives:

1. Complete two erosion control demonstrations for roads.
2. Provide technical assistance on erosion control to town officials upon request.
3. Draft a model erosion control policy for towns.
4. Encourage landowners and land management agencies to properly construct and maintain forestry roads by using BMPs.

Goal #9: Support the sustainability of agricultural lands.

Objectives:

1. Develop non-metallic mining ordinance.
2. Provide education about exotic species, beef management, and dairy farm conversion to other uses.
3. Develop a demonstration project for buffalo farms.

## **Forest County**

Goal #1: Protect Shoreland areas by minimizing impacts from land disturbing activities to decrease nonpoint source pollution and protect the critical habitats.

Objectives:

1. Continue to distribute educational information to shoreland owners.
2. Protect critical habitats and reduce development pressures on small, more sensitive water bodies.
3. Promote best management practices on shoreland sites to restore and maintain riparian habitat.
4. Develop shoreland restoration demonstration sites.

Goal #2: Reduce phosphorus loading to surface waters.

Objectives:

1. Reduce phosphorus contamination from improperly functioning septic systems.
2. Reduce phosphorus contributions from lawn fertilizers near riparian areas.
3. Reduce phosphorus coming from farmland.

Goal #3: Reduce erosion from construction sites.

Objectives:

1. Educate landowners, contractors, realtors, and public officials about the impact of construction erosion on water quality and the practices available to reduce erosion.
2. Enforce shoreland-zoning ordinance to reduce impacts of construction on shorelands.

Goal #4: Protect forestlands from land degrading practices and activities.

Objectives:

1. Reduce the amount of illegal garbage dumping on commercial, County, State, and Federal forestlands.
2. Reduce erosion and habitat degradation caused by unauthorized ATV use.
3. Encourage sound forestry practices on private lands and public lands.
4. Encourage landowners and land management agencies to properly construct and maintain forestry roads/skid trails by using BMP's.

Goal #5: Encourage increased enforcement and education of shoreland ordinance and regulations.

Objectives:

1. Encourage adequate staff at zoning office to increase proper enforcement of current zoning regulations.
2. Educate riparian landowners on shoreland regulations.

Goal #6: Reduce the impacts from mining practices on our groundwater and surface water resources.

Objectives:

1. Reclaim non-metallic sites for shallow-water wildlife habitat.
2. The Land conservation Committee and Department stay informed and educated on the developments with the proposed Crandon Mine.

## ***Langlade County***

Goal #1: Ensure replacement of failing private sewage systems that adversely affect groundwater and surface water quality.

Objectives:

1. Continue cooperating with Lake Districts in the evaluation of existing failing private sewage systems and the condemnation and replacement of those systems.
2. Determine priorities for requiring the replacement of failing systems on water bodies that do not have Lake Districts.
3. Investigate the feasibility of requiring the evaluation of private sewage systems prior to real estate transactions of waterfront property.
4. Investigate the affect of discharges from private sewage systems on groundwater quality of the Antigo "flats".
5. Continue the Wisconsin Fund program to help defray property owner costs of replacing failing private sewage systems.

Goal #2: Improve urban storm water quality and quantity.

Objectives:

1. Implementation of the North Antigo Storm Water management Plan with the Antigo common Council.
2. Implement recommendations from Spring Brook Watershed Plan for storm water quality management.
3. Antigo storm water plan in 2000.
4. Control construction site erosion in the City of Antigo by adopting and enforcing a construction site erosion control ordinance.
5. Educate local officials and citizens about the benefits good storm water quality through meeting and distribution of educational material.
6. Data load information is GIS.

Goal #3: Improve stormwater quality/quantity of rural road ditches.

Objectives:

1. Meet with Langelde County Highway Department to discuss rural storm water quality issues.
2. Educate townships on proper ditching and its impacts on storm water quality and quantity by providing and distributing educational material.
3. Enter ditches that are farmed into GIS.

Goal #4: Reduce pollutants and sediments from entering our waters by retaining and restoring vegetative cover.

Objectives:

1. Conduct transect survey to collect information on soil loss and identify critical areas within county.
2. Educate landowners, local governmental units about the value of vegetative cover and the impact drainage ways have on rural water management.
3. Encourage crop management decisions through technical assistance to promote restoring and/or retaining vegetative cover that would reduce sediment from leaving the field.
4. Promote Conservation Reserve Program (CRP) or conservation Reserve Enhancement Program (CREP).
5. Promote buffers as an attractive BMP that would reduce sediment and nutrient runoff and protect from the invasion of weeds Field Day.
6. Obtain funding toward development of Nutrient and Pest Management Plans to reduce pollutants from entering our waters.
7. Work with governmental units to address farming of road ditches.
8. Provide assistance to landowners through the Farmland Preservation Program.
9. Work with the County IS Committee to include agricultural information.
10. Inventory of animal number within the Spring Brook priority Watershed.
11. Inventory livestock operations located on waters within the county and promote BMP's to reduce sediment and nutrient runoff.

Goal #5: Reduce environmental risk of water quality through proper animal waste management.

Objectives:

1. Establish county wide animal waste storage ordinance.
2. Conduct landowner awareness meeting
3. Promote and provide technical assistance of Best Management Practices (BMP) of animal waste through newspaper and agency newsletters.
4. Promote Nutrient management Plans through education and cost-share programs.
5. Pursue funds toward high cost animal waste projects.
6. Record existing animal waste storage facilities in County GIS.

Goal #6: Retain and reestablish shoreland vegetative buffers on lakes and streams to restore functions provided by the original natural vegetation including preventing runoff, improving wildlife habitat, and providing natural scenic beauty.

Objectives:

1. Establish a cost share demonstration program for public and private shoreland sites.
2. Provide on going training on shoreland restoration to landscapers and contractors.
3. Distribute an information packet on shoreland restoration and the benefits of shoreland buffer areas to property owners.
4. Secure staff for implementation of this goal.
5. Assess and document the effectiveness of vegetative protection areas and shoreland restoration sites in reducing sediment and phosphorus concentrations in runoff.
6. Assess and document whether shoreland restoration sites have been maintained and are effective.
7. Investigate property tax incentives for maintaining and restoring shoreland buffer areas.

Goal #7: Protect the physical and aesthetic quality of surface waters from the problems associated with land development.

Objectives:

1. Provide materials and education on Best Management Practices (BMP) and new shoreland zoning requirements to landscapers, contractors, foresters, farmers, realtors, and developers.
2. Develop and distribute a shoreland protection manual.

Goal #8: Improve inter-program coordination between county and other partners.

Objectives:

1. Meet with Land conservation Committee (LCC) to discuss formation of Land and Water Management (LWM) Team.
2. Identify partners and draft mission statement.
3. Seek support from related agency oversight committees or organizations.
4. LCC and Water and Land Use Planning Committee (WLUP) introduces joint resolution to County Board regarding LWM Team formation.
5. Convene regularly scheduled LWM Team meetings to review and revise concerns, goals, and action items related to updating LWRM Plan.
6. To provide awareness, develop publication that outlines LWM Team programs and assistance available within county.

Goal #9: Protect and manage the vast forest resources of Langlade County for financial recreational and aesthetic benefits.

Objectives:

1. Encourage long term land stewardship through the development of stewardship plans on privately owned lands by increased enrollment in tax law programs.
2. Conduct timber sale establishment using forestry Best Management Practices (BMP's).
3. Encourage reforestation/afforestation efforts on idle and marginal lands best suited for forestry purposes by increased tree sales.
4. Encourage windbreak establishment in agricultural areas as well as along waterways to reduce soil erosion, enhance waterway bank stabilization and reduce energy consumption.
5. Assess recreational uses of public forestlands to determine problems and develop strategies to deal with concerns.
6. Provide technical and financial assistance to private woodland owners.
7. Education Langlade County landowners about outdoor burning regulations.
8. Educate youth in Langlade County about fire safety issued through "Smokey Bear Fire Prevention Backpack Project".

Goal #10: Enhance and protect the wildlife populations of Langlade County through proper wildlife management and habitat restoration.

Objectives:

1. Conduct deer and other wildlife population survey to determine appropriate management strategies.
2. Preserve and restore shallow wetlands.
3. Conduct prescribed burning to enhance grassland dependent wildlife habitat.

4. Encourage the development and seeding of permanent wildlife openings in heavily forested areas of Langlede County. Encourage the seeding of timber sale access roads.
5. Protect and monitor the status of endangered species.
6. Encourage proper hunting techniques and compliance with game laws through hunter education programs.
7. Encourage aspen regeneration, develop age class diversity and plant diversity to provide food and cover for various wildlife species.
8. Educate landowners about the importance of retaining wolf and den trees from a wildlife cavity-nesting standpoint.

Goal #11: Protect, restore, enhance and manage the abundant trout resources in Langlede county for recreational and aesthetic benefits.

Objectives:

1. Identify and assess critical habitats and protect them through acquisitions, permanent easements, and land trust or trades.
2. Establish and maintain 100 feet minimum riparian buffer widths along all trout waters on public lands.
3. Provide technical and financial assistance to private landowners bordering trout water.
4. Encourage private landowners to establish and maintain 100-foot permanent riparian buffers along trout waters through incentive programs and easements.
5. Dredge spring ponds to improve trout habitat and provide angling opportunities.
6. Install bank cover devices and boulders and narrow and deepen stream channels to restore and enhance trout habitat in streams.
7. Monitor trout water for beaver damage and remove beaver dams and control beaver populations in critical habitat areas.
8. Promote incentive programs that encourage private landowners to establish and maintain fences along riparian areas to keep livestock out of trout waters and to limit watering areas and crossings.
9. Use incentive programs to promote solar powered livestock watering systems to private landowners with livestock watering in trout water.
10. Educate landowners, school groups and real estate agents about the loss of trout habitat and the benefits of riparian buffers along trout waters.

Goal #12: Protect, restore, enhance and manage the abundant lake resources in Langlede County for recreational and aesthetic benefits.

Objectives:

1. Identify and assess critical habitats and protect them through acquisitions, permanent easements, and land trust or trades.
2. Establish and maintain 100 feet minimum riparian buffer widths along all trout waters on public lands.
3. Provide technical and financial assistance to private landowners bordering trout water.
4. Encourage private landowners to establish and maintain 100-foot permanent riparian buffers along trout waters through incentive programs and easements.
5. Install aeration systems in lakes with winter fish kills to improve overwintering conditions for fish, reduce fish kills and to improve fish populations.
6. Install spawning reefs and fish cribs in lakes with degraded or limited amounts of quality habitat to improve fish habitat and populations.
7. Promote incentive programs that encourage private landowners to establish and maintain fences along riparian areas to keep livestock out of lakes and to limit watering areas.
8. Use incentive programs to promote solar powered livestock watering systems to private landowners with livestock watering in lakes.
9. Educate landowners, school groups and real estate agents about the loss of trout habitat and the benefits of riparian buffers along lakes.

Goal #13: Protect, restore, enhance and manage the water quality in lakes, ponds and streams in Langlade County for aquatic flora and fauna recreational and aesthetic benefits.

*Objective:*

1. Encourage Adherence to Best Management Practices (BMP) in all activities on public lands.
2. Through incentive programs encourage grass waterways and buffer strips on private agricultural lands where erosion and runoff containing pesticides and fertilizers occurs.
3. Encourage reducing or eliminating pesticide and fertilizer applications of private agricultural land through incentive programs.
4. Promote incentive programs that encourage private landowners to establish and maintain fences along riparian areas to keep livestock out of surface waters and to limit watering areas.
5. Use incentive programs to promote solar powered livestock watering systems to private landowners with livestock watering in lakes, ponds, and streams.
6. Educate landowners and school groups about water quality and benefits of having good surface water quality.

## **Lincoln County**

Goal #1: To identify farmlands which are used or could be used for agricultural production and protect them from unwarranted conversions to non-agricultural purposes.

*Objective:*

1. Through the land use planning process, designate areas that need to be preserved for farmland/open spaces and assist in the development of ordinances and/or programs to protect them.
2. Assist in the development of voluntary protection measures.

Goal #2: To encourage the preservation, re-establishment and protection of open spaces and diverse habitats needed by wildlife.

*Objective:*

1. Educate private landowners on proper forest management techniques.
2. Address overuse of public lands by recreational users.
3. Educate citizens on the impact of fragmentation of habitat and provide information on land management from a "neighborhood" perspective.

Goal #3: Limit the input of non-point source water polluting substances to levels that maintain and achieve water quality standards.

*Objective:*

1. Pursue and adopt a manure management ordinance that addresses the Animal Waste Advisory Committee recommendations for all Lincoln County livestock operations as well as other manure handling issues, including manure storage construction/abandonment standards.
2. Pursue a nonpoint pollution program for Lincoln County.
3. Educate agricultural producers and the general public on proper nutrient management techniques and nutrient management plan development.
4. Pursue non-metallic mine reclamation standards and/or ordinance.
5. Address motorized vehicle damage on trails specifically at stream crossings.
6. Continue educational efforts on Forestry Best Management Practices by working with small woodland owners, loggers and Resource, Conservation and Development councils.
7. Encourage and educate landowners regarding proper lawn management and stormwater runoff issues.
8. Encourage local governments to properly dispose of and store snow.

9. Educate landowners, contractors, town officials, etc. On proper construction site erosion control techniques and pursue a county construction site erosion control ordinance.

Goal #4: Preserve and protect areas adjacent to water from harmful land disturbing activities that cause erosion by retaining and restoring natural shoreland vegetation.

Objective:

1. Develop informational packets to distribute to all shoreland owners.
2. Involve and educate real estate agents, contractors, and landscapers to become “messengers” to landowners regarding shoreland zoning, value of riparian habitat and best management practices to protect and restore them.
3. Through the county wide land use planning process, revise zoning ordinances to address riparian issues and aesthetic issues.
4. Attempt restoration of riparian sites where habitat has been lost and encourage maintenance of buffer strips along all Lincoln County shoreline.
5. Create a database to identify shoreland property owners to target for further information/education efforts.
6. Gather documentation of shoreland problems to use for issue identification and presentations.
7. Identify and protect critical habitats.
8. Educate current landowners and new landowners as to the value of riparian habitat and the best management practices to protect and restore the.
9. Create information centers that provide basic shoreland zoning data and shoreline erosion control/prevention information.

Goal #5: Encourage proper disposal of waste products to protect soil and water resources.

Objective:

1. Encourage Lincoln County to participate in Hazardous Waste Disposal site Agreement with Marathon County.
2. Ensure landowner utilization of the Lincoln County Landfill for proper disposal of non-hazardous wastes.

## ***Oneida County***

Goal #1: Promote well planned development, which minimizes negative impacts on our land and water resources.

Objectives:

1. Provide assistance to the LCD and local units of government with land use planning activities.
2. Increase compliance and education of current ordinances and waterway classifications.

Goal #2: Retain and restore shorelands on lakes, rivers, and streams to reserve or improve shoreline habitat and reduce pollutants entering our waters.

Objectives:

1. Assess the condition of the lakeshore habitat.
2. Educate landowners on the importance of shoreland buffers.
3. Encourage landowners to establish shoreland buffers.
4. Protect shoreland habitats from land development.
5. Educate riparian landowners on improved fertilization techniques to reduce phosphorus loading to water resources.

Goal #3: Improve forestry management to promote productivity of forest products, protect wildlife habitat water quality, and provide recreational opportunities.

Objectives:

1. Develop and expand educational programming for forestry practices.
2. Improve forest management to control sediment, erosion and protect habitat cover types.
3. Control illegal garbage dumping on commercial, County, State and Federal forestlands.

4. Reduce erosion and habitat degradation caused by unauthorized ATV use.

Goal #4: Reduce sources of nonpoint source pollution, which degrade our surface and groundwater.

Objectives:

1. Educate contractors, developers, and citizens about construction site erosion control.
2. Increase compliance and monitoring of construction site erosion.
3. Educate agricultural producers on proper nutrient management and plan development.
4. Reduce pollution from stormwater runoff in Three Lakes, Rhinelander, Minocqua, and Woodruff.
5. Educate the public on sources of urban pollution.

Goal #5: Educate the public on groundwater quality.

Objectives:

1. Educate the public on proper maintenance of septic systems, groundwater testing, well maintenance and unused wells.

Goal #6: Protect lake ecosystems from the degradation from recreational pressures.

Objectives:

1. Reduce user conflicts on lakes.
2. Educate boaters on proper boating techniques to prevent damage to sensitive lake ecosystems.

Goal #7: Protect and enhance wetlands in Oneida County.

Objectives:

1. Encourage landowners to enhance or restore wetlands.
2. Protect small wetlands within municipalities.

Goal #8: Utilize current computer technologies to make information more readily available to the public.

Objectives:

1. Establish a natural resources webpage.

Goal #9: Minimize impacts on our natural resources from mining activities.

Objectives:

1. Encourage Oneida County to update their metallic mining ordinance.
2. Reclaim abandoned non-metallic sites for wildlife habitat, improved aesthetics, and other post-mine uses.

## ***Vilas County***

Goal #1: Protect and enhance Vilas County's lakes, rivers, and other water resources.

Objectives:

1. Provide water resource information and education to the public.
2. Promote the development of local water resource management organizations.
3. Provide information and assistance to local organizations on water resource issues.
4. Promote volunteer monitoring of lakes and other water resources.
5. Encourage lake planning and management
6. Assist in the development of voluntary shoreline protection measures.
7. Prevent the further spread of exotic species.

8. Improve public awareness about and protection of nearshore aquatic habitats.

Goal #2: Protect and restore natural shoreline buffers on Vilas county lakes and rivers to preserve and/or improve shoreline habitat and reduce pollutant loading to waterways.

Objectives:

1. Provide improved educational information to landowners on the importance of buffers and restoration techniques to reduce nutrient loading to water resources.
2. Provide informational resources on native vegetation.
3. Encourage landowners to maintain or establish shoreline buffers.
4. Evaluate the effectiveness of shoreline buffers and shoreline restoration techniques/strategies/species.
5. Provide assistance to zoning with mitigation.
6. Protect critical shoreline habitats.

Goal #3: Protect surface and groundwater from pollutant and nutrient inputs from septic systems.

Objectives:

1. Support the development of county ordinances in response to Comm 83.
2. Promote reduction of nutrient loading to surface waters from conventional septic systems.
3. Monitor new technology/new state-approved septic systems.
4. Encourage upgrading of failing and polluting septic systems.

Goal #4: Support development that minimizes impacts to natural resources

Objectives:

1. Promote well-planned development to minimize negative impacts to land and water resources.
2. Reduce sediment erosion into waterways from roads and construction activities.

Goal #5: Protect natural resources from negative impacts of recreational pressures and reduction of recreational user conflicts.

Objectives:

1. Encourage the development of an outdoor recreation plan in Vilas County.
2. Reduce user conflicts

Goal #6: Make information more readily available to the public.

Objectives:

1. Develop database and mapping system for natural resource information.

Goal #7: Promote forest management on private and public lands to provide sustainable forest products, protect wildlife habitat and water quality, and provide recreational opportunities.

Objectives:

1. Provide information and education to non-industrial private woodland owners on forestry management.
2. Promote good forest management policies.

Goal #8: Protect public and private lands from impacts of improper waste disposal.

Objectives:

1. Reduce illegal dumping.