

Soil and Water Conservation District of Lake County Education Resources

Videos:

- Aldo Leopold – A Prophet for All Seasons
- Roots of Stewardship – Protecting America’s Private Grazing Lands
- Lines on the Land
- Seeding Success – A How to Video Textbook
- Backyard Conservation – One Yard at a Time
- Wetlands – Natural Resource Wonders
- Saving our Soil – “A Natural History”
- Chicago Wilderness – A Regional Nature Reserve
- Lake County Transportation Improvement Project – “Unjamming Lake County’s Traffic”
- How Chemicals Move Through Soil
- Wake Up to Wetlands
- Resource Concerns: Everybody’s Problem
- Des Plaines River Flood – Lake and Cook County, October 4, 1986

Technical Videos:

- Best Management Practices for Improved Water Quality
- Erosion and Sediment Control – Procedures and Practices for Construction Sites
- Groundwater Protection: Designing and a Field Demonstration
- Keeping Soil on Construction Sites: Best Management Practices
- Sequoit Creed – Shoreline Erosion
- Streambank Stabilization; Soft Solutions Produce Hard Results
- Full Streambank E.C. Training part 1 and 2
- Squaw Creek Streambank Stabilization Project

Publications and Books:

- Essential Learnings in Environmental Education – A Database for Building Activities and Programs
- Resource Guide to Educational Materials About Agriculture – A Project of Agriculture in the Classroom
- Wetlands Reading List – Pre-Kindergarten through Grade 12
- Making the Right Connections – A Guide for Nature Writers
- The Nature Fakir’s Handbook – Presentation Skills for the Interpretive Naturalist
- WOW! The Wonders of Wetlands
- Project WET – Curriculum and Activity Guide
- Project WILD – Elementary and Secondary Education
- Dig In! Hands-On Soil Investigations – Grades K through 4
- “A Sand County Almanac and Sketches Here and There” by Aldo Leopold
- “Stick Your Head Under the Surface” by Bruce Muench, Aquatic Biologist

Technical Books

Water Related Resources

- You and Your Land – A Home Owner’s Guide for Managing Your Environment to Improve Your Property and Water Quality
- Lakescaping for Wildlife and Water Quality
- Design of Stormwater Wetland Systems – Guidelines for Creating Diverse and Effective Stormwater Wetland Systems in the Mid-Atlantic Region
- Water – Taking a New Track on Nonpoint Water Pollution
- Stream Corridor Restoration – Principles, Processes and Practices
- Bioengineering Techniques for Streambank and Lakeshore Erosion Control
- Streambank and Shoreline Protection Manual
- Restoring and Managing Stream Greenways – A Landowner’s Manual
- Streambank and Shoreline Protection – Ch. 16 Engineering Field Handbook
- Implementing the Integrated Management Plan for the Fox River Watershed in Illinois: A Tool Kit for Communities and Organizations within the Watershed
- Watershed Modelling and Detention Basin Design
- Introduction to Water Quality – Module 1-12 Student Workbook Self-Paced Study Guide
- Clean Water Action Plan: Restoring and Protecting America’s Waters
- Water Resources and Other Related Laws of Illinois – 1996 Edition
- Protecting and Restoring America’s Watersheds – Status, Trends and Initiatives in Watershed Management
- EPA Handbook – Urban Runoff Pollution Prevention and Control Planning
- 2nd National Conference – Nonpoint Source Pollution Information and Education Programs
- Empowering Watershed Stakeholders – A Training Workshop
- Floodplain Management – Local Floodplain Administrator’s Manual
- Unified Watershed Assessment and Watershed Restoration Priorities for Illinois
- Illinois EPA – Stormwater Detention for Quality Benefits
- Voices of the Watershed – A Guide to Urban Watershed Management Planning
- Illinois Water Quality Report 2000 – Illinois EPA Bureau of Water
- National Conference on Urban Runoff: Enhancing Urban Watershed Management at the Local, County and State levels
- Urban Water Management and Sediment Control
- North Branch of the Chicago River – Watershed Assessment and Management Plan for Lake County, Illinois
- Bridge Builder – A Guide for Watershed Partnerships
- Illinois Wetland Restoration and Creation Guide
- Illinois Resource Planning Guidebook
- Lake County Stormwater Management Commission – Technical Reference Manual

Soil Related Resources

- Introduction to Soil Survey
- Illinois Procedures and Standards for Urban Soil Erosion and Sedimentation Control
- Minimizing Erosion in Urbanizing Areas – Guidelines and Standard Specifications
- Sustainable Landscapes – A Land Use Directory for Northeastern Illinois
- Sustaining our Soils and Society
- Land Resource Regions and Major Land Resource Areas of the United States
- Soils of Illinois
- Geology for planning in Lake County, Illinois
- Guidelines for Use of the Revised Universal Soil Equation (RUSLE) on Mined Lands, Construction Sites and Reclaimed Lands
- Soil Quality Thunderbook
- Indiana Handbook for Erosion Control in Developing Areas
- Practical Approaches for Effective Erosion and Sediment Control

Animal Related Resources

- Waterfowl Management Handbook – Fish and Wildlife Leaflet
- Endangered and Threatened Species of Illinois – Vol. 1 Plants; Vol. 2 Animals
- Illinois Wildlife and Nature Viewing Guide
- Conservation Corridor Planning at the Landscape Level – Managing for Wildlife Habitat
- Chicago Wilderness – Biodiversity Recovery Plan
- Illinois Fish and Wildlife Resource Directory

Vegetation related resources

- Street Tree – Fact sheets
- Spring Woodland Wildflowers of Illinois
- Forest Trees of Illinois
- Forestry Best Management Practices for Illinois
- Spotter's Guide to Trees of North America
- Identifying Wisconsin Trees
- Midwestern Wetland Flora – Field Office Guide to Plant Species
- Wildflowers of Fields, Roadside and Open Habitats of Illinois
- Prairie Plants of Illinois
- Gardening with Prairie Plants
- American Wildlife and Plants - A Guide to Wildlife Food Habitats
- Wetlands Plants and Plants Communities of Minnesota and Wisconsin
- Northeastern Illinois Regional Greenways Plan
- State of the Greenways Report – A Report on the Implementation of the Northeastern Illinois Regional Greenway Plan
- Conservation Plants for the Northeast
- Native and Introduced Grasses in Illinois
- Realizing the Forests' Full Potential: Assessment and Long Range Action Plan for the Forest Resources in Illinois
- Forests of Illinois
- Manual of Woody Landscape Plants

- Guide to the Vascular Flora of Illinois
- National List of Scientific Plant Names – Vol. 1 List of Plant Names; Vol. 2 Synonymy
- National Forestry Manual
- Forest Resource of Illinois 2002
- Hazardous Trees in Recreational Areas

Other resources

- Developing Difficult Sites – Solutions for Developers and Builders
- Illinois Department of Transportation – Standard Specifications for Road and Bridge Construction

Informational Pamphlets, Booklets and Pages

- The Soil Doctor kit
- What is a Watershed?
- Biodiversity Related professional Development opportunities for Teachers – A Listing of Chicago Wilderness Organizations offering bio-diversity related, professional, development opportunities for teachers
- A Quick Guide to Prairie Establishment
- Ten Tips on Designing a Prairie Garden Using Transplants
- Great Lakes 2000 – Think Globally, Act Locally
- Fox River Ecosystem Partnership brochure
- E-file – Technology to better serve America (USDA brochure)
- Resource Conservation and Development – Partnerships Serving America’s Communities
- Bats and Integrated Pest Management
- Lake County Health Department water sampling information
- Illinois Natural Heritage Database Endangered/ Threatened Species Occurrence and Sighting Report Form
- NRCS – In Partnership with People and A Healthy Land
- The Buzz About Mosquitoes – a Lake County Health Department and Community Health Center brochure
- Interpreting your Lake’s Water Quality Data
- Envirothon Brochure

Informational Brochures

Drainage

- Drainage Around Your Home
- Lake County Drainage Districts
- Drainage Basins

Erosion and Sediment

- Erosion Control for Small Projects
- Estimating Your Soil Erosion Losses
- From Dust Bowl to Mud Bowl, The Erosion Problem
- Groundwater and Use in the Water Cycle

- Keeping it on the Land: Improving Great Lakes Water Quality by Controlling Soil Erosion/Sedimentation
- Low Cost Shore Protection
- Raindrops and Bombs, The Erosion Process
- Riparian Area Management – A Citizen’s Guide (Successful Stream Management Practices)
- Riparian Forest Buffers: Function and Design for Protection and Enhancement of Water Resource
- Stone Toe Protection
- Stream Corridor Landscaping

Flooding

- Floodplain Management: Why We Need It
 - * Guide to Flood Insurance Rate Maps
 - * How to read A Flood Insurance Rate Map
- Our Community and Flooding
 - * Questions and Answers on the National Flood Insurance Program

Lake Notes – an Illinois EPA series of publications

- Aquatic Exotics
- Aquatic Plant Management Options
- Common Lake Water Quality Parameters
- Determining Your Lake’s Watershed
- Illinois Clean Lakes Program
- Illinois Volunteer Lake Monitoring Program (VLMP)
- Lake Aeration and Circulation
- Lake Dredging
- Illinois Stratification and Mixing
- Monitoring Lake Quality
- Septic Systems
- Shoreline Stabilization
- Shoreline Buffer Strips
- Stormwater Detention Ponds

Natural Resource Conservation Service (NRCS)

- Assistance Available from NRCS
- A Land Use Planning Transparency
- Free Informational/Educational Agro-Forestry Materials
- Urban and Community Assistance – Balancing Community Development and Natural Resource Conservation

Ponds, Lakes and Management

- A Guide to Illinois Lake Management Recreational
- A Recreational Access Guide to Lake County Lakes
- Basic Small Pond and Lake Management
- Controlling Aquatic Vegetation with Triploid Grass Carp
- Degraded Urban Detention Ponds

- How to Develop an Excavated Pond
- Ponds Reference
 - How to Identify and Control Water Weeds and Algae
 - Managing Ponds for recreation and Esthetics
 - Pond Management – Algae and Weed Control
- Landscape Design: Ponds
- Management of Small Lakes and Ponds in Illinois
- Planning your Well – Guidelines
- Ponds: Planning, Design, Construction
- Protecting and Managing our Lakes
- Protecting Water Quality in Illinois: Nutrient and Pesticide Management Strategies
- Small Lakes and Ponds: Their Construction and Care
- Zebra Mussels and The Great Lakes
- Water Quality Field Guide
- Water Quality in Illinois
- Water Quality Indicators Guide

Soils

- A Soil Ecosystem Transparency
- A Soil Profile Transparency
- Know the Soil You Build On
- Know Your Soil
- Teaching Soil and Water Conservation – A Classroom Field Guide
- What Is A Soil Survey
- Soil Potential Ratings for Septic Tank Absorption Fields

Tree, Shrubs and Landscaping

- Asian Longhorned Beetle
- Benefits of Urban Trees
- Conservation Trees
- Establishing Vegetation and Controlling Soil Erosion on Lawns
- Flowering Shrubs and Trees for Attracting Birds
- Forests of Illinois
- Invite Birds to Your Home
- Landscaping for Energy Efficient Homes
- Landscaping for Wildlife
- Landscaping Your Home
- Oak Trees – Recommendations for Preserving
- Oak Wilt Control, Root Graft Method
- Planting Shade Trees
- Preserving Trees During Construction
- Root Graft Barriers for Oak Wilt Control
- Selecting and Planting Trees
- Woodlands Protection Fact Sheet
- Illinois Trees: Selection, Planting and Care

Urban

- A Geography of Hope
- EPA Guide to Environmental Issues
- Illinois Urban Manual Fact Sheet
- Recycle! Reuse! Recover!
- Urban Runoff
- Ways to Protect Soil and Water Resources...What You Can Do in Your Community
- Stormwater Detention
- Stormwater Management
- SMA Inlet/Outlet Protection

Vegetation, Native, Prairie

- Economic Benefits to Using Native Landscape Treatments
- How to Manage Small Prairie Fires
- Illinois Prairies: Past and Future – A Restoration Guide
- Invasive and Alien Plants
- Native Tallgrass Prairie Plants
- Prairie Landscape Restoration Fact Sheet
- The Prairie: A Sea of Grass
- Wildlife Plants Native to Lake County

Water

- Developing Criteria to Protect Our nation's Waters
- Fish and Fishing
- Groundwater – various brochures
- Keeping on the Land
- Protecting Illinois Waters
- Storm Drain Stenciling
- Understanding Groundwater
- Water – How to Save It
- Why Worry about Water?
- Water tables

Watersheds

- Delineating Watersheds – A First Step Towards Effective Management
- Des Plaines Watershed
- Small Watershed Projects

Wetlands

- A Field Guide to Wetlands of Illinois
- EPA Wetlands Fact Sheet
- Lake County's Wetlands (LCWI & ADID)
- Research Opportunities in a Rehabilitated Ecosystem
- The Young Scientist's Intro to Wetlands
- USDA Programs that Aid Wetlands
- Wetlands Reference File

- Wetland Functional Values
- Lake County ADID study

Wildlife

- Backyard Bird Feeding
- Barn Owl Nesting Boxes
- Bluebird Nest Boxes
- Build Your Own Bat House
- Butterfly Gardens
- Conservation Plants: Pocket ID Guide
- Endangered Species of Illinois
- Share Your Land With Wildlife
- US Fish and Wildlife Service: Publications List

Windbreaks

- Illinois Windbreak Manual
- Planting a Windbreak

Miscellaneous

- Landowners Guide to Natural Resources Management Incentives
- What is a Soil and Water Conservation District
- The Aerial Photography Summary Record System