



SOCIETY FOR  
ECOLOGICAL  
RESTORATION

## 2016 Weekly Restoration Tips

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**Tip #1:**

ISCBC recently launched their [PlantWise website and App!](#) PlantWise is a provincial program that supports the (ornamental) horticulture industry's transition to become invasive-free, and is helping gardeners and industry understand which plants are invasive and harmful to our communities, and to make 'PlantWise' choices.

**Tip #2:**

What is an Urban Forest and how can you protect one? The Habitat Acquisition Trust refers to the following definition: "...an interconnected network of green space that conserves natural ecosystem values and functions and provides associated benefits to human populations." (Benedict and McMahon, 2002). For more information, click [here](#).

**Tip #3:**

How reinventing old roads is helping to conserve boreal wetlands - "Since the early days of Canada's timber trade, foresters have used corduroy roads. By laying logs down side by side (giving the appearance of corduroy fabric) they built paths over wet areas, allowing the water to flow through..." [Read the complete article here](#).

**Tip #4:**

Check out these useful tools - [COMPADRE Plant Matrix Database and COMADRE Animal Matrix Database](#). COMPADRE and COMADRE contain matrix population models of hundreds of plant and animal species.

**Tip #5:**

In their recent newsletter, Cows and Fish describe the difference between a wetland and a riparian area. [Click here to read their article](#) (scroll to the end of the newsletter).

**Tip #6:**

Check out SER's [International Network for Seed-Based Restoration](#) - This network is a section of the Society of Ecological Restoration that would bring together professionals, scientists, practitioners, students, industry, government and organisations such as botanic gardens from the international community who have an interest in promoting and enhancing seed-based solutions in restoration (Prof. Kingsley Dixon).

**Tip #7:**

Foothills Research Institute provides update on Linear Feature Restoration in Caribou Ranges. For the complete article, [click here](#). For the December 2015 update, [click here](#).

**Tip #8:**

Organic matter serves an important role in soil health. [Read more here](#).

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**Tip #9:**

*What is Habitat Heterogeneity? And why is it important to prairie ecology? Click [here](#) to read more.*

**Bonus Tip:**

*Stay up-to-date with the latest research and industry practices in forestry, conservation, bioenergy, climate change, and natural resources using these [webinars!](#)*

**Tip #10:**

*Check out the publication "[Ecosystem Services Assessment Pollination Services Report](#)". Ecosystem services are the benefits provided by nature that contribute to our health and wellbeing. Despite the essential role that ecosystem services play in our lives, they're often ignored in decision-making because we don't recognize their value. This project aims to change that by measuring and valuing these services.*

**Tip #11:**

Check out the [Sage Grouse Initiative's interactive resources and web applications](#). The Sage Grouse Initiative (SGI) is a partnership of ranchers, agencies, universities, non-profit groups, and businesses that embrace a common vision: wildlife conservation through sustainable ranching.

**Tip #12:**

*Check out the [resources](#) provide by the Roundtable on the Crown of the Continent.*

**Tip #13:**

*What is Bioclimatic Mapping, and how is it used to track Forest Insects and Diseases? Natural Resources Canada explains [here](#).*

**Tip #14:**

*Getting Climate Adaptation Tools Out There - A [Workshop Process Guide](#)*

**Tip #15:**

*How does climate change impact the distribution of tree species, and what adaptation tools are available? Read more at [Natural Resources Canada](#).*

**Tip #16:**

*As fire season ramps up, it's important to note that fire is a normal, natural process. [Read more](#) about why.*

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**Tip #17:**

7 core principles for restoring fire-prone Inland Pacific landscapes (Hessburg et al., 2015) [Read more](#).

**Tip #18:**

*It's that time of year! The Oldman Watershed Council talks about how to plant a prairie urban garden. For more information visit their [website](#).*

**Tip #19:**

*Check out the University of Victoria's digital field guide for BC central coastal species [here](#). Or you can download the app [here](#).*

**Tip #20:**

*Check out the U.S. Department of the Interior Bureau of Land Management's [National Seed Strategy for Rehabilitation and Restoration](#). The National Seed Strategy for Rehabilitation and Restoration 2015-2020 is designed to provide a more coordinated approach among tribal, state, federal, local and private entities, including commercial growers, to restoring plant communities.*

**Tip #21:**

*Scientific journals are evolving, using videos to document experimental techniques. Check out JoVe, and some of its interesting videos [here](#).*

**Tip #22:**

*The Prairie Ecologist tells us about shifting mosaic of habitats and how it is employed in prairies. Read more [here](#).*

**Tip #23:**

*Watch these [videos](#) to learn the step-by-step procedures for detection of invasive species.*

**Tip #24:**

*Aggressive Weed or Opportunistic Plant? It's Good to Know the Difference. See how to [here](#).*

**Tip #25:**

*Looking for new training opportunities? Check out "[WATER](#)" - [Watersheds & Aquatics Training for students & professionals in Environmental Research](#). They offer non-credit courses for students and professionals in aquatic sciences, and are also interested in developing new professional courses based on need/demand.*

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**Tip #26:**

Looking for new tools? Try BC's new [Invasive Alien Plant Program](#) (IAPP) Application for Invasive Species.

**Tip #27:**

Check out [MycoDB](#), a database of research analyzing how mycorrhizal fungi affect plant productivity. The database was co-created by University of Alberta ALES ecologist Justine Karst.

**Tip #28:**

Soil - A Precious Natural Resource > Soil is more than the basis for "prime" development land or arable land. Soil is also a habitat and source of biodiversity. [Read more...](#)

**Tip #29:**

How do wildfires impact a watershed? The Alberta Water Portal explains [here](#).

**Tip #30:**

What is Prairie? The Prairie Conservation Forum explains [here](#).

**Tip #31:**

How and why to save seeds. Read more [here](#).

**Tip #32:**

Check out University of Arizona's [Desert Flows Database](#). If interesting in learning how to use the database, check out their [YouTube video](#).

**Tip #33:**

Check out the Forest Research Institute's new website [lessonsfromnature.ca](#)

**Tip #34:**

Learn about [types of reservoirs](#) and their lifecycle from Alberta Water Portal.

**Tip #35:**

Want to learn about working with beavers to restore streams, wetlands & floodplains? Read the [guide](#) compiled by the North Pacific Landscape Conservation Cooperative.

**Tip #36:**

[Pacific Salmon Explorer](#) - a platform for exploring the status of salmon populations and various pressures on their habitats in the Skeena River watershed.

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**Tip #37:**

Read the report "[State of North America's Birds 2016](#)" by the NABCI

**Tip #38:**

Use the [BC Species & Ecosystems Explorer](#) to search for data & info about plants, animals & ecosystems.

**Tip #39:**

Susan McGillivray Applies the Peatlands Reclamation Criteria for Wellsites and Associated Facilities to Minimal Disturbance Sites. Watch the videos here - [[Video 1](#)] [[Video 2](#)]

**Tip #40:**

Check out BC's [Stewardship Series](#), a roster of 19 guides published over the past 18 years that educates British Columbians with scientific, legal and technical information on protecting BC's natural heritage and implementing stewardship practices particularly in urban and sub-urban areas.

**Tip #41:**

Check out [Wetland BMP Knowledge Exchange](#), targeted at managing Canadian boreal forest wetlands. The workshop focused on collaborative engagement with participants to discuss planning and operating BMPs that could be adopted by regulators, industry and other stakeholders to effectively manage Canadian boreal forest wetlands. Participants included industry, government, consultants and not-for-profits.

**Tip #42:**

Ever wonder why water never gets warm under a certain depth? Fascinating [information](#) on how lake temperature works.

**Tip #43:**

Let's Talk Fish Habitat [here](#).

**Tip #44:**

Caribou and why protecting their ecosystems is important. CPAWS tells you why [here](#).

**Tip #45:**

Interested in the EA Process and changes being made? Check out the [Expert Panel - Review of Environmental Assessment Processes](#).

**Tip #46:**

Use [QGIS](#) - A free and open source geographic information system.

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**Tip #47:**

*Need a tool for plant IDs? Check out [Flora ID Northwest](#).*

**Tip #48:**

[LCD Mapper](#) provides unified info about the suite of landscape conservation designs supported by LCCs.

**Tip #49:**

*Looking for interesting articles & stories? Check out [Ensia Media](#) for great reads & resources*

**Tip #50:**

*Native Prairie - Manage it today appreciate it tomorrow. Read the complete report [here](#).*

**Tip #51:**

*Interested in peatland restoration ? Check out the Cambridge University Press resource [Peatland Restoration and Ecosystem Services: Science, Policy and Practice](#).*

**Tip #52:**

*Prefer using video resources? Check out [NPLCC's Youtube channel!](#)*

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