

Territorial Update: What's New and What to Watch For



*ZEBRA
MUSSELS*

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Pulling together to Meet the Challenge of Invasive Species
February 13th 2012 - Yukon College

Early Detection Rapid Response (EDRR)

Know the species,
know the vector,
know the audience



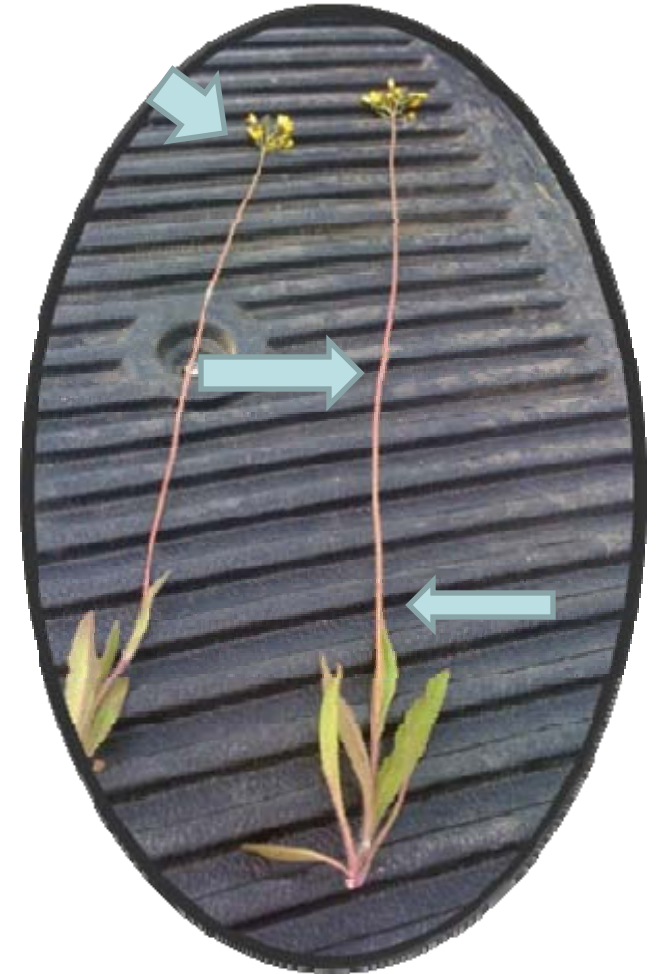


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The Hawkweeds: International Cooperation Effort



Meadow Hawkweed (*Hieracium caespitosum*)



Photos: Bob Drinkwater

Changing Yukon Roadsides

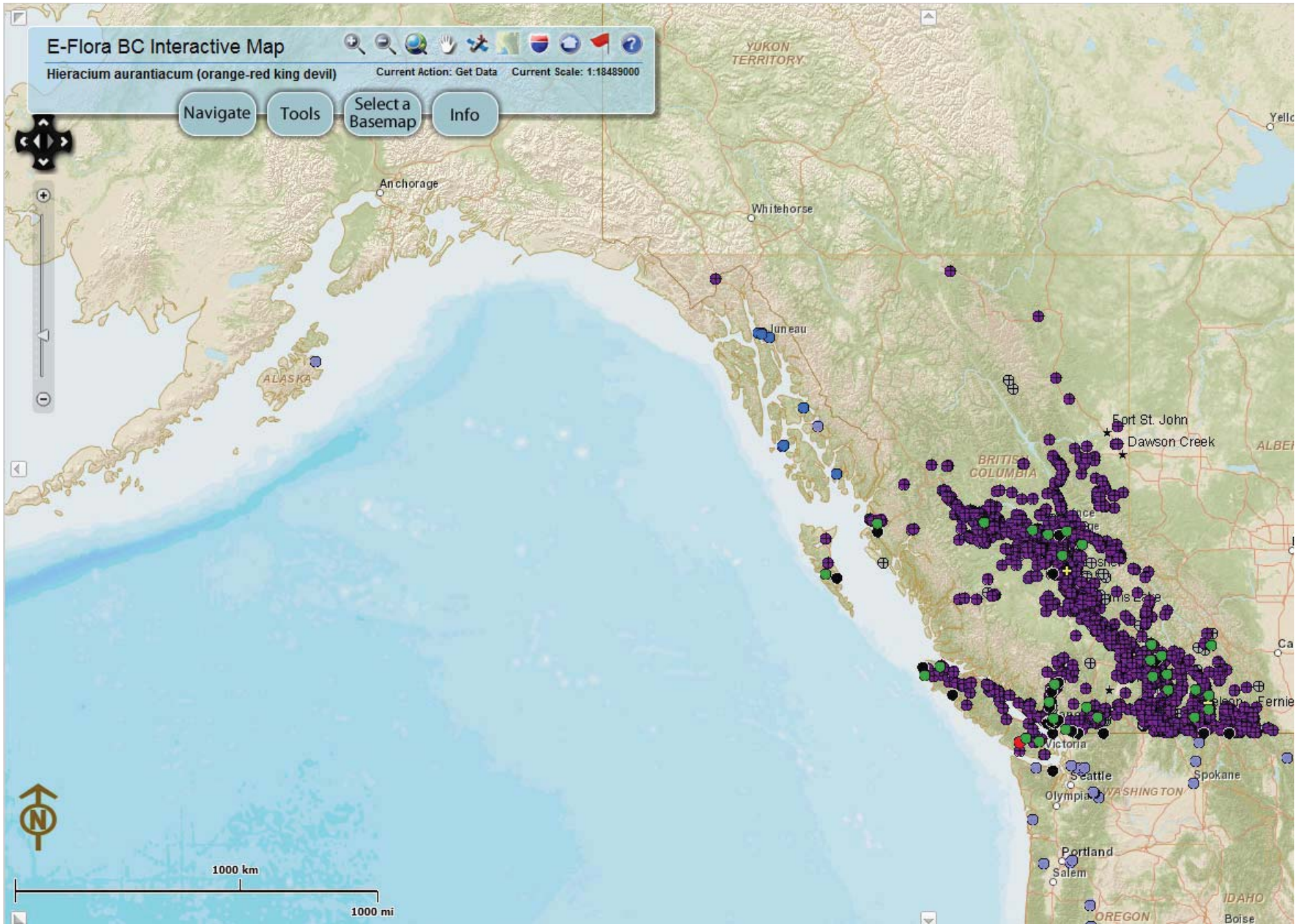


Umbellate Hawkweed (*Hieracium umbellatum*)

At Our Border



Orange Hawkweed (*Hieracium aurantiacum*)



One of Yukon's fastest spreading species



Perennial Sow-thistle (*Sonchus arvensis*)

Single Site in Yukon?



Creeping (Canada) Thistle (*Cirsium arvense*)

Mongolian Grass Threatening Dunes: Now on the Chilkoot



Altai Wild Rye (*Leymus angustus*)



Photos Yukon Government

New to North America



Photo Greg Brunner

Siberian Cow Parsnip (*Heracleum sibiricum*)

A Good Example of Yukon EDRR



Leafy Spurge (*Euphorbia esula*)

Will this be the next problem?



Dame's Rocket (*Hesperis matronis*)

ENVIRONMENT YUKON

Government of Yukon > Environment > Wildlife & Biodiversity > Invasive Plants

-  [Camping & Wilderness](#)
-  [Wildlife & Biodiversity](#)
-  [Fishing](#)
-  [Education & Youth](#)
-  [Parks & Conservation](#)
-  [Monitoring the Environment](#)
-  [Hunting & Trapping](#)
-  [Publications, Maps & Data](#)



Wildlife & Biodiversity

- [+ Wildlife Viewing](#)
- [+ Biodiversity & Yukon Species](#)
- [+ Wildlife Management](#)
- [+ Yukon Ecological & Landscape Classification \(ELC\) Program](#)
- [+ Habitat](#)
- Invasive Species**
- [What are Invasive Species?](#)
- [Invasive Animals](#)
- Invasive Plants**
- [Everyone can Help](#)
- [Invasive Species Council](#)
- [Other Resources](#)

Yukon Invasive Plants

Invasive plants move in on new habitats where they never existed before. They threaten biodiversity by displacing native plants and animals.

List of Invasive Plants in Yukon

- [Invasive Plants - By Invasiveness](#)  27 KB
- [Invasive Plants - Taxonomic Order](#)  27 KB

Yukon Invasive Plants

Here are some of the worst plant invaders in Yukon - you may recognize a few. Click on the Image for more information.



Perennial Sow-thistle



Creeping Thistle



Oxeye Daisy



Common Tansy



Spotted Knapweed



Narrowleaf Hawksbeard

Provincial Invasive Species Councils and Committees across Canada

1. Invasive Plant Council of British Columbia
Ph: 250-392-1400 or 1-888-WEEEDSBC
Email: info@invasiveplantcouncilbc.ca
www.invasiveplantcouncilbc.ca

▶ Through province-wide cooperation and coordination, the Invasive Plant Council of BC (IPCBC) is working to minimize the negative ecological, social, and economic impacts caused by the introduction, establishment, and spread of invasive plants in British Columbia.

2. Alberta Invasive Plant Council
Ph: 403-982-7923
Email: aipc.coordinator@gmail.com
www.invasiveplants.ab.ca

▶ The Alberta Invasive Plants Council (AIPC) fosters awareness and understanding of invasive plant issues and encourages action to help detect, prevent, and manage invasive plants. It seeks to foster and facilitate partnerships and dialogue between organizations and stakeholders, and also serves as a respected source of credible information and resources on invasive plants in Alberta.

3. Saskatchewan Invasive Species Council
Ph: 306-668-3940
Email: info@pss.sk.ca
www.saskinvasives.ca

▶ The Saskatchewan Invasive Species Council (SISC) enables collaboration and works in partnership to guard Saskatchewan against invasive alien invaders by providing leadership, knowledge, and expertise as well as a forum to engage, enable, and empower citizens to take action on invasive species issues.

4. Invasive Species Council of Manitoba
Ph: 204-232-6021
Email: info@invasivespeciesmanitoba.com
www.invasivespeciesmanitoba.com

▶ The Invasive Species Council of Manitoba (ISC) provides province-wide leadership that adopts a collaborative approach to invasive species management, with a focus on the specific species management of purple loosestrife and leafy spurge. ISC's vision is to maintain a healthy, bio-diverse landscape through the prevention, early detection, and education and awareness of invasive alien species.

5. Ontario Invasive Plant Council
Ph: 705-748-6324 ext. 234
Email: oipc@ofish.org
www.ontarioinvasiveplants.ca

▶ The Ontario Invasive Plant Council (OIPC) is a non-profit, multi-agency organization that facilitates a coordinated response to the threat of invasive plants by providing leadership, expertise, and a forum to educate, motivate, and empower organizations and citizens in Ontario.

6. Québec Interdepartmental Committee on Invasive Species
Ph: 418-520-3907 ext. 4417
Email: sabelle.simard@mddep.gouv.qc.ca
www.mddep.gouv.qc.ca

▶ The Québec Interdepartmental Committee on Invasive Species facilitates networking between

the ministries and agencies of the government of Québec to develop a priority invasive species list, education and outreach materials, promote research, and a rapid response plan to fight against invasive species.

7. Memorial University of Newfoundland Botanical Garden
Ph: 709-737-6590
Email: jboland@mun.ca
www.mun.ca/botgarden/home.php

▶ Memorial University of Newfoundland Botanical Garden Inc., as part of the University's inclusive community, is a not-for-profit corporation that creates and inspires understanding, appreciation and conservation of plants in gardens and natural areas to further Memorial's mission of research, education and outreach.

8. New Brunswick Invasive Species Council
Ph: 506-452-4205
Email: nb.invasive@gmail.com
www.unb.ca/herbarium/invasives/home.html

▶ The New Brunswick Invasive Species Council vision is to work together to ensure New Brunswick's environment, economy, and social interests are protected through the prevention, early detection, and education and awareness of invasive alien species through management practices in order to control and eradicate further spread of invasive alien species.

9. Invasive Species Alliance of Nova Scotia
Ph: 902-565-1935
Email: anna.redden@acadlab.ca
www.invasivespeciesns.ca

▶ The Invasive Species Alliance of Nova Scotia (ISANS) is a provincial stakeholder organization committed to the management of invasive alien species through connection and networking amongst IAS practitioners, researchers, government agencies, organizations, and citizens.

10. Prince Edward Island Nature Trust
Ph: 902-692-7513
Email: exdir@islandnaturetrust.ca
www.islandnaturetrust.ca

▶ The Prince Edward Island Invasive Alien Species Working Group is led by the Island Nature Trust, a non-government, not-for-profit organization dedicated to protection and management of natural areas on Prince Edward Island.

11. Nunavut
▶ Currently there is no established invasive plant group in Nunavut.

12. Government of the Northwest Territories
Ph: 867-920-6327
Email: suzanne_cariere@gov.nt.ca
www.gov.nt.ca

▶ The Department of Environment and Natural Resources promotes and supports the management and sustainable use of renewable resources, the protection and conservation of the environment and wildlife, including the management of invasive alien species, for the social and economic benefit of all present and future residents of the Northwest Territories.

13. Yukon Invasive Species Council
Ph: 867-393-3394
http://environmentyukon.gov.yk.ca/wildlife/biodiversity/invasivespecies.php
Email: andrea@talgojourneys.ca

▶ The Yukon Invasive Species Council (YISC) is a non-profit organization that deals with invasive species in the Yukon. Committee members come from different governments, industry, and the public. Together they are working to address the threats posed by invasive species through prevention, early detection and rapid response (EDRR), control and management, research and education.



Regional Round-up

Save the Date!



National Invasive Alien Species Forum

February 28, 29 and March 1
Ottawa



You are invited to the upcoming **National Invasive Alien Species Forum**, so please mark your calendars! This event will be a special opportunity to network and collaborate with colleagues from across Canada on topics including:

- ◆ Prevention
- ◆ Early Detection and Rapid Response
- ◆ Information sharing and management

Event planning is underway by the **National IS Forum Planning Committee**. Stay tuned for the draft agenda and online registration as planning continues!

We look forward to seeing you there!

National Invasive Species Council of Canada

For more information:
Jodi Romyn, IPCBC
National IS Forum Planning Committee
jromyn@invasiveplantcouncilbc.ca

Canada

Special thanks to Environment Canada's Invasive Alien Species Partnership Program (IASPP) and the National Invasive Species Council of Canada for sponsoring this forum.



*Invasive Species Council
of British Columbia*



- Home
- About
- Programs
- Invasive Species
- You Can Help
- Resources
- Partners
- News
- Contact
- Donate

Invasive Plants



Canada Thistle

ATTENTION KIDS!

Invader Ranger Clubhouse

Pick an AVATAR
Discover ECOSYSTEMS in BC
Learn about INVASIVE SPECIES!



Other Invasive Organisms



Common Carp

Home

- Like 5
- Tweet 3
- Share

Do you know about invasive species or why you should care?

By taking part, you can make a lasting difference in your community and help prevent the introduction and spread of invasive species in BC!



Do you know how much invasive species cost you as a taxpayer?

[Discover more](#)



Have you ever heard of invasive species?

[Learn more](#)



Would you like to make a difference in your community? You Can!

[Find out how](#)

Special Highlights

- Shutting Out Invaders - Thank you for Coming! [View Presentations and Photos](#)
- [Invasive Species Strategy for BC](#)
- [National Invasive Species Forum](#)
- [National Invasive Species Awareness Week](#)

Latest News

Announcing the new "Invasive Species Council of British Columbia"

January 23, 2012 – Invasive species pose a significant threat to British Columbia's fragile ecosystems,...

International Scientific Conference - Invasive Organisms and Globalisation

Aug. 20-23, 2012 (Riga, Latvia) ...



Board of Directors

The Council's Board of Directors is comprised of 18 members, which are selected by the Council's membership at the Annual General Meeting. Directors on the Board represent perspectives including federal government, First Nations, provincial government, local government, forest industry, mining, agriculture, utilities, transportation, regional committees, conservation and wildlife, recreation and tourism, and horticulture.



2011 and 2021 ISC Board of Directors and Alternates.

CURRENT BOARD OF DIRECTORS *(listed in alphabetical order)*

Kristy Alphonse-Palmantier (Chair, First Nations Perspective)

Kristy is the Aboriginal Program Specialist for the Ministry of Forests, Lands and Natural Resource Operations, Cariboo Region in Williams Lake, and is a

In Your Words...

"I am impressed with the coverage of the GIS mapping data now available. I will be developing an Invasive Species Management Plan for Pacific Spirit over the next several years and these maps will help as a coarse indication of current conditions, and in guiding initial inventory and monitoring efforts. The cool gifts from the Invasive Plant Council. Thank you!"

*Markus Merkena, Pacific Spirit Park area manager,
Metro Vancouver*

Susan Hammond, Kamloops Young Naturalist Club

About us

[ISC Sub-Committees](#)

[Board of Directors](#)

[Staff](#)

[History of ISC](#)

[Become a Member](#)

[Funding Partners](#)

[Employment](#)

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IMISWG Home

Website Contents

- ➔ [Strategies](#)
- ➔ [BC Core Invasive Plant Ranking Process](#)
- ➔ [EDRB](#)
- ➔ [Legislation](#)
- ➔ [Prohibited Species & Alert Lists for BC](#)
- ➔ [Pest Management Plans](#)
- ➔ [Helpful Links](#)

IMISWG Member Ministries

- ➔ [Agriculture](#)
- ➔ [Energy & Mines](#)
- ➔ [Environment](#)
- ➔ [Forests, Lands & Natural Resource Operations](#)
- ➔ [Transportation & Infrastructure](#)

BC Government

- ➔ [About B.C. Government](#)
- ➔ [Ministries and Organizations](#)
- ➔ [Other Levels of Government](#)

BC INTER-MINISTRY INVASIVE SPECIES WORKING GROUP



PROTECTING BC'S RESOURCES



Who We Are

Since 2004, the Inter-Ministry Invasive Species Working Group (IMISWG) has provided policy direction, and coordination and collaborative delivery of provincial invasive species programs for the Province of BC.

Several land-based ministries have responsibility for noxious weed and invasive plant management, including Ministries of Forests, Lands and Natural Resource Operations, Agriculture, Environment, Transportation and Energy and Mines. The IMISWG functions to bring together provincial ministries and agencies, each with unique mandates, program goals and technical expertise. Other participating agencies include the Ministry of Community, Sport and Cultural Development, Ministry of Energy and Mines, the Oil and Gas Commission, Ministry of Health, Ministry of Aboriginal Rights and Reconciliation, and the Solicitor General.

Provincial Strategy

The IMISWG takes a strategic approach to the management of invasive species, as articulated in the document, *Invasive Alien Plants in British Columbia - The Provincial Government Strategy for Protecting Our Resource*. The goals are to:

1. prevent the establishment of new invasive plant infestations,
2. reduce the socio-economic and environmental impacts of existing invasive species, and
3. provide the framework and capacity for the ongoing management of invasive species.



Key actions are aimed at:

- improving early detection and rapid response;
- impact evaluation;
- managing established infestations;
- building research, education, training and legislative capacity; and
- improving relationships among agencies and stakeholders.

The IMISWG employs science-based, innovative strategies to protect the health and diversity of BC ecosystems and minimize the negative impacts of invasive species.



Zebra mussels in a clump

EDRR Species In the News:

Common Reed - *Phragmites australis*

This large, coarse, perennial grass is often found in wetlands, including fresh or brackish marshes, creeks, edges of ponds and lakes, ditches, and the dune systems of coastal islands. It usually forms large, dense stands that provide little value for wildlife, and reduces the diversity of plant and wildlife species. It has a thick stalk with a large, plume-like flower and can grow up to 4 meters in height. *Phragmites* spreads by creeping rhizomes; all stands have vertical and horizontal rhizomes, with long surface runners that help in rapid expansion of the colony.

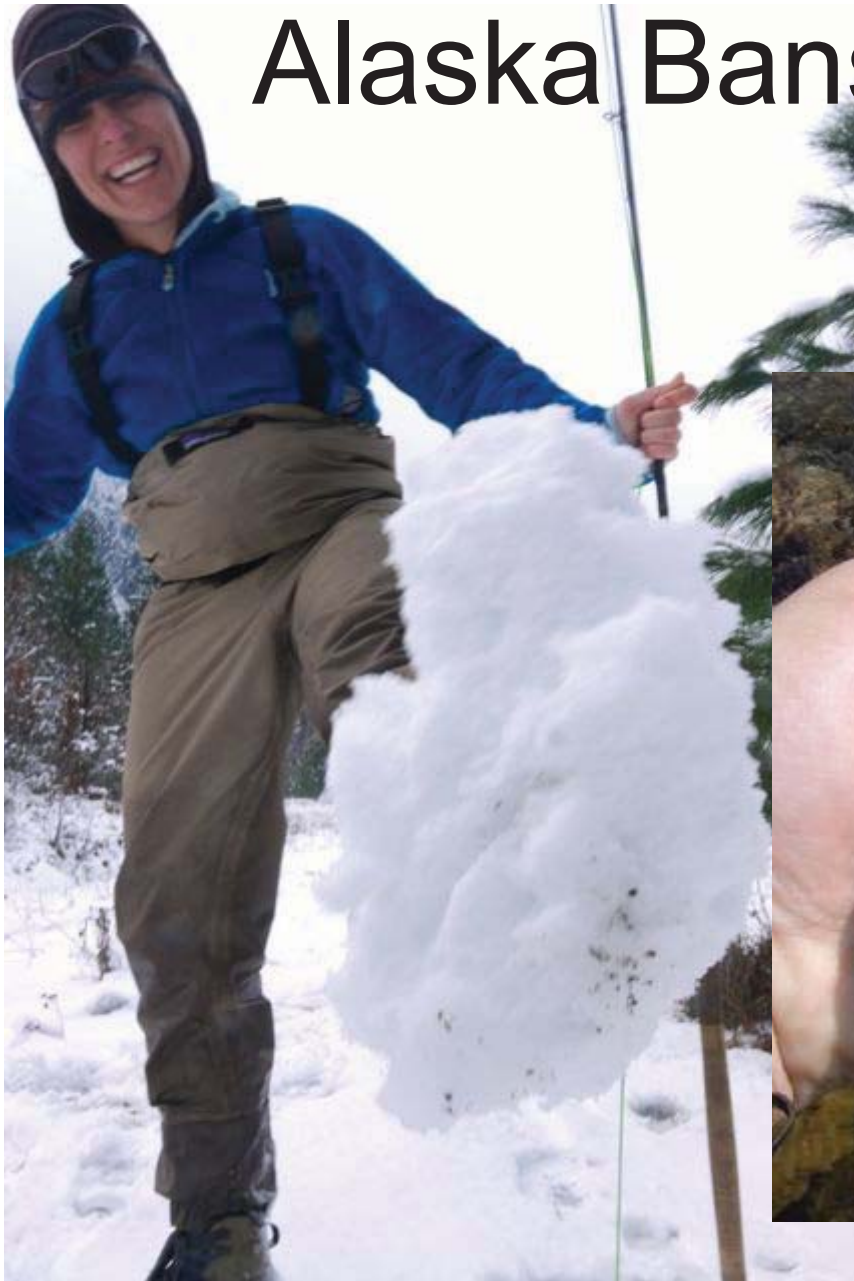


Techniques to control phragmites may include mowing, flooding, and draining. Multiple treatments over several years are usually necessary to effectively control a heavy stand.

The best control method for *Phragmites* is prevention!

This plant has been reported in numerous locations along BC's coast; vigorous control is required.

Alaska Bans Felt Sole Waders





Activities

[Home](#)
[Revegetation & Erosion Control](#)
[Seed Cleaning Services](#)
[Seed Testing & Analysis](#)
[Invasive Species Control](#)
[About Invasive Species](#)
[Prohibited & Restricted Noxious Weeds](#)
[Plans & Reports](#)
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[Replace your Loosestrife](#)
[Invasive-free products](#)
[Potato Disease Control](#)
[Rural Village Seed Production](#)
[Soil Testing & Analysis](#)
[Publications](#)

Alaska Plant Materials Center

5310 S. Bodenburg Spur
PALMER, AK 99645
PHONE: 745-4469
FAX: 746-1568

Invasive Weed and Agricultural Pest Management

Strategic Plan

The invasive weeds program at the PMC has developed a strategic plan to address the threat of invasive weeds and agricultural pests to Alaskan agriculture and natural resources.

The strategic plan was developed as a result of meetings of interested persons, and a community survey. Soil and Water Conservation Districts from across the state were involved in the review of the plan, as were the Cooperative Extension Service, state and federal agencies. These collaborative efforts resulted in a plan that addresses the goals of many concerned stakeholders in Alaska.

At the core of the plan are 8 goals. Within each of goal, objectives have been identified, as well as action strategies to accomplish these tasks. Each section of the plan deals with an individual goal.

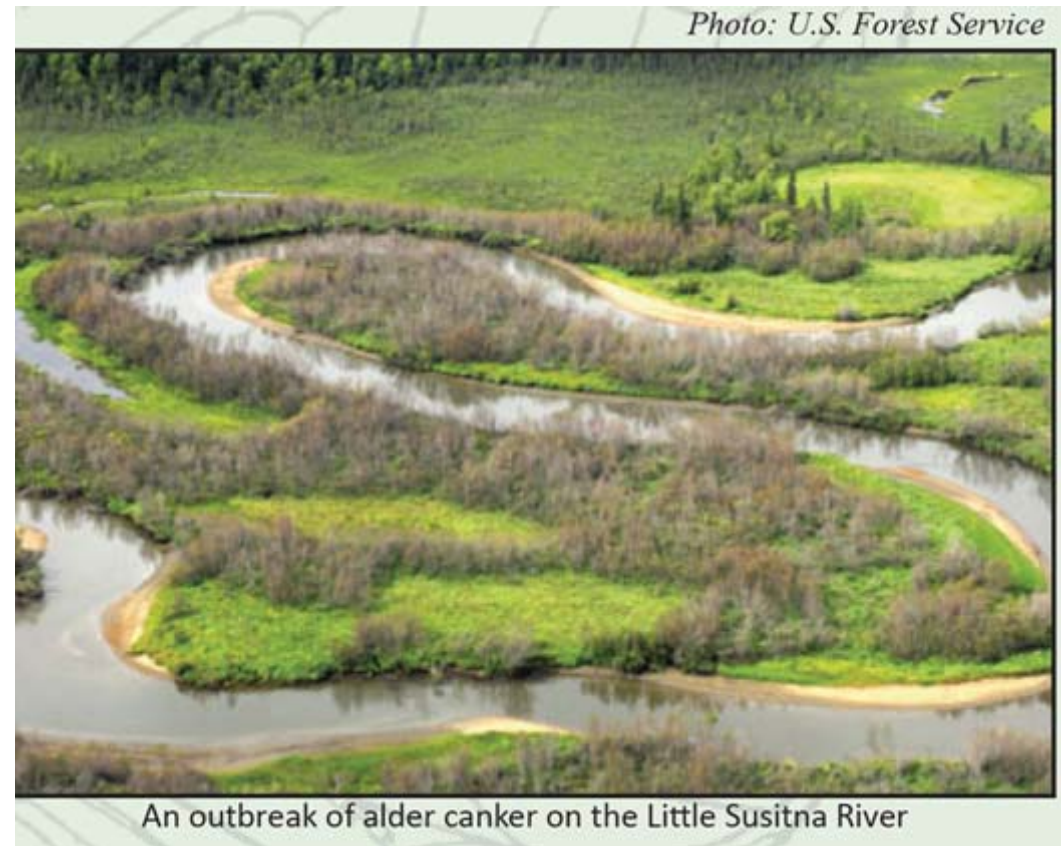
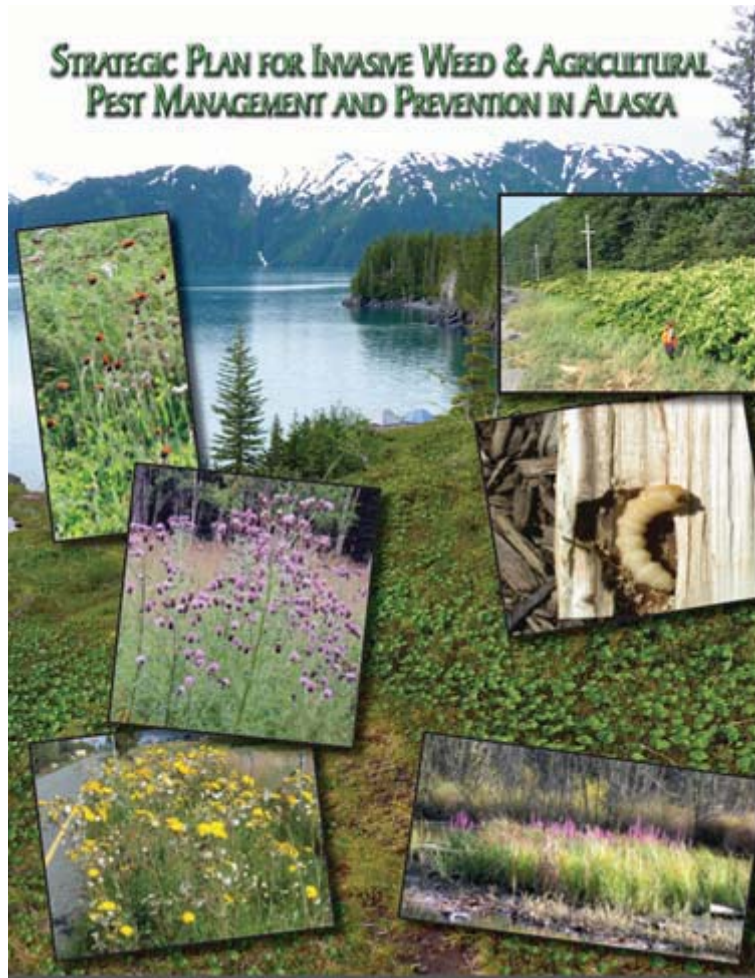
The invasive weeds and agricultural pest management program is tasked with regular updates to the plan, including the accomplishments of the Division of Ag and its partners, as well as any new action strategies.

Having a strategy for invasive weeds and agricultural pest management will help guide natural resource management in Alaska for years to come. The goals and objectives in the plan will serve to support organizations and to inform newcomers about invasive species and agricultural pests here in Alaska.

For more information about the Strategic Plan for Invasive Weed and Agricultural Pest Management in Alaska, please contact the [Invasive Plant Coordinator](#) at the Plant Materials Center, at (907) 745-8785. You can download the completed plan, or individual sections, using the links below.



Yukon has an advantage in maintaining certified weed-free agricultural products



An outbreak of alder canker on the Little Susitna River

Apparently caused by a European fungus



Search for:



AKEPIC

AKEPIC Home

[Species Biographies and Invasiveness](#)

[Non-Native Plant Species List](#)

[Species Distribution Maps](#)

- [AKEPIC Data Portal](#)
- [EDDMapS](#)

[Weed Identification Workshops](#)

[Publications](#)

[Other Resources](#)

[How to cite AKEPIC data](#)

Botany

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Alaska's plants



[Home](#) > [Botany](#)

What is AKEPIC?

The Alaska Exotic Plants Information Clearinghouse (AKEPIC) is a database and mapping application that provide geospatial information for non-native plant species in Alaska and the Yukon Territory. These products are the result of an ongoing cooperation between the United States Forest Service, National Park Service, Bureau of Land Management, Fish and Wildlife Service, Department of Natural Resources Plant Material Center and Alaska Natural Heritage Program in support of the Alaska Committee for Noxious and Invasive Plants Management (CNIPM) and the Strategic Plan for Noxious and Invasive Plants Management in Alaska. The Alaska Natural Heritage Program administers the mapping application, database and website associated with the project. These data are primarily intended to support identification of problem species and areas requiring particular attention; thus promoting early detection and rapid response across Alaska and the Yukon Territory. Additionally, these data are used in a variety of research and modeling activities.

- [Alaska's most \(un\)wanted invasive species](#)

Submit data



- [Data entry form \[xls\]](#)

Map data



[AKEPIC Data Portal](#)
Explore distributions of non-native plant species in Alaska



[EDDMapS](#)
Early Detection and Distribution Mapping System

New Introduced Plants Reported from Alaska in 2011

<i>Alopecurus arundinaceus</i> *	Creeping Meadow Foxtail	Palmer
<i>Armoracia rusticana</i>	Horseradish	Thorne Bay
<i>Aurinia saxatilis</i>	Basket-of-gold	Skagway, Yakutina Pt Trail
<i>Centaurea cyanus</i> *	Garden Cornflower	Anchorage, Campbell Tract
<i>Conium maculatum</i> 	Poison Hemlock	Anchorage
<i>Daphne merzereum</i>	Paradise Plant	Sitka Airport
<i>Erysimum cheiri</i> *	Aegean Wallflower	Eagle River
<i>Hieracium murorum</i>	Wall Hawkweed	Wrangell
<i>Fagopyrum esculentum</i> *	Common Buckwheat	Eagle River
<i>Hieracium piloselloides</i>	Tall Hawkweed	Elmendorf Richardson Base
<i>Lamium amplexicaule</i> *	Henbit Deadnettle	Anchorage
<i>Lepidium latifolium</i> (rank=71)	Broadleaved Pepperweed	Anchorage
<i>Linaria maroccana</i>	Moroccan Toadflax	Anchorage
<i>Malva sylvestris</i> *	High Mallow	Matanuska River, Palmer
<i>Nemophila menziesii</i>	Baby Blue Eyes	Anchorage
<i>Sisymbrium officinale</i> *	Hedge-mustard	Prince of Wales Island,
<i>Symphytum asperum</i>	Prickly Comfrey	Sitka, Pioneer'
<i>Veronica officinalis</i>	Common Gypsyweed	Chichagof Island
<i>Verbascum thapsus</i> (rank=52)	Common Mullein	Elmendorf Richardson Base
<i>Vicia sativa ssp. nigra</i> *	Garden Vetch	Fairbanks

* = plants previously reported in Yukon