

Invasive Plant Species Profiles

The recommended treatments have been used as effective means of control in our region. Other options do exist should jurisdictions prefer alternative treatments. Please check with your local government to confirm the correct treatment for the plant and area of concern.



Baby's Breath (Gypsophila paniculata)

Location: Lac La Hache, Sugarcane, City of Williams Lake and Lee's Corner

Type: perennial

Method of Spread: seed spread by wind or by plant

Treatment: LOCAL LEVEL - hand-pulling

LANDSCAPE LEVEL - herbicide



Black Henbane (Hyoscyamus niger)

Location: Limited distribution around Alexis Creek and

Williams Lake

Type: annual or biennial

Method of Spread: exclusively by seed Treatment: LOCAL LEVEL - hand-pulling

LANDSCAPE LEVEL - herbicide



Blueweed (Echium vulgare)

Location: Hanson gravel pit near Quesnel, with scattered sites in City of Quesnel and along Hwy 97 between Quesnel and Alexandria; isolated sites at Churn Creek, Dog Creek, Riske Creek and Gustafson Lake

Type: biennial

Method of Spread: exclusively by seed sticking to

hair, clothing or feathers

Treatment: LOCAL LEVEL - hand-pulling

LANDSCAPE LEVEL - herbicide



Burdock (Arctium spp)

Location: Widespread throughout the Cariboo

and Chilcotin

Type: biennial

Method of Spread: Exclusively by seed: hooked spines on the seeds readily catch on fur, feathers or clothing and potentially transporting them a considerable distance Treatment: LOCAL LEVEL - repeated cutting or herbicide. LANDSCAPE LEVEL - monitor and treat local infestations in conjunction with other species



Canada Thistle (Cirsium arvense)

Location: Widespread throughout the Cariboo; scattered

throughout the Chilcotin

Type: perennial

Method of Spread: seeds spread by wind and water, and in crop seed, hay or livestock manure. Roots Treatment: LOCAL LEVEL - herbicide or repeated mowing LANDSCAPE LEVEL - herbicide and biological control (once established)



Common Tansy (Tanacetum vulgare)

Location: Widespread throughout the Cariboo; scattered

throughout the Chilcotin

Type: perennial

Method of Spread: seed or creeping roots

Treatment: LOCAL LEVEL - repeated mowing, hand-pulling

or herbicide

LANDSCAPE LEVEL - herbicide



Dalmatian Toadflax (Linaria dalmatica)

Location: Scattered throughout the Cariboo and Chilcotin and under containment in Tatlayoko Valley

Type: perennial

Method of Spread: seed or creeping root Treatment: LOCAL LEVEL - hand-pulling or cutting LANDSCAPE LEVEL - biological control (once established) or herbicide



Diffuse Knapweed (Centaurea diffusa)

Location: Along Hwy 97, Green Lake, Konni Lake Churn Creek, Riske Creek, Dog Creek and Tatlayoko Valley

Type: biennial or short-lived perennial Method of Spread: exclusively by seed Treatment: LOCAL LEVEL - hand-pulling

LANDSCAPE LEVEL - herbicide or biological control



Field Scabious (Knautia arvensis)

Location: Sites around the City of Quesnel, Cottonwood River, Gaspard/Big Creek, Alexis Creek. Under containment in Cottonwood area.

Type: perennial

Method of Spread: exclusively by seed

Treatment: LOCAL LEVEL - mowing, digging or hand-pulling

LANDSCAPE LEVEL - herbicide



Flowering Rush (Butomus umbellatus)

Location: Site at Bouchie Lake.

Type: perennial

Method of Spread: seed, root buds and root fragments Treatment: LOCAL LEVEL - hand-pulling or manual dredging LANDSCAPE LEVEL - hand-pulling or manual dredging



Himalayan Balsam (Impatiens glandulifera)

Location: Dragon Lake, Quesnel, Williams Lake; mostly within gardens and garden waste dumps.

Type: annual

Method of Spread: seed

Treatment: LOCAL LEVEL - hand-pulling

LANDSCAPE LEVEL - hand-pulling



Hoary Alyssum (Berteroa incana)

Location: Alexis Creek, Tatlayoko, Bull Canyon, Quesnel, Dragon Lake, Quesnel Hydraulic Road, Lac La Hache, 100 Mile House, Green Lake, Haggen's Point Road, Wiffle Lake Road, and 103 Mile house.

Type: biennial or short-lived perennial Method of Spread: exclusively by seed

Treatment: LOCAL LEVEL - hand-pulling and herbicide

LANDSCAPE LEVEL - herbicide



Hoary Cress (Cardaria draba)

Location: Frizzi and Hodgson roads in Williams Lake, Begbie Summit, knife Creek and 103 Mile

Type: perennial

Method of Spread: spreading roots, seed Treatment: LOCAL LEVEL - frequent mowing

LANDSCAPE LEVEL - herbicide



Hound's Tongue (Cynoglossum officinale)

Location: Churn Creek, Dog Creek, Stormy Road 70 Mile House, Bridge Lake, Alexis Creek and south of 100 Mile Type: biennial to short-lived perennial

Method of Spread: exclusively by seeds encapsulated in burrs Treatment: LOCAL LEVEL - cutting small accessible

infestations, or herbicide

LANDSCAPE LEVEL - biological control, or herbicide



Knotweeds including Himalayan Knotweed (Polygonum polystachyum), Japanese Knotweed (Fallopia japonicus), Giant Knotweed (F. sachalinense), and Bohemian Knotweed (F. x bohemica) Location: 150 Mile House and Quesnel

Type: perennial

Method of Spread: seeds and vegetative through rhizomes and root fragments

Treatment: LOCAL LEVEL - repeated cutting, shading or herbicide LANDSCAPE LEVEL - herbicide

REPORT WEEDS: 1-800-665-1636 (CRD) or 1-888-WEEDS BC (anywhere) >>> www.cccipc.ca



Leafy Spurge (Euphorbia esula)

Location: Dog Creek, Gaspard Creek, Empire Valley Road, Narcosli Creek, West Fraser Road.

Type: perennial

Method of Spread: seed or lateral roots

Treatment: LOCAL LEVEL - herbicide

LANDSCAPE LEVEL - biological control or herbicide



Marsh Plume Thistle (Cirsium palustre)

Location: Blackwater Road, forested areas north of Quesnel, and Dunkley. Containment in Prince George area, and in northeast part of CCCIPC area.

Type: biennial

Method of Spread: exclusively by seed Treatment: LOCAL LEVEL - hand-pulling

LANDSCAPE LEVEL - hand-pulling or herbicide



Meadow Knapweed (Centaurea pratensis,

Centaurea debauxii, Centaurea x monctonii)

Location: Loch Lomond, and near 100 Mile House Type: perennial

Method of Spread: primarily by seed, but also from root and crown fragments

Treatment: LOCAL LEVEL - frequent mowing or hand-pulling LANDSCAPE LEVEL - herbicide or biological control



Mountain Bluet (Centaurea montana)

Location: Dragon Lake, Blackwater Road, Williams Lake,

Canim Lake and 100 Mile House.

Type: annual

Method of Spread: primarily by seed, but also from rhizomatous roots

Treatment: LOCAL LEVEL - hand-pulling or herbicide

LANDSCAPE LEVEL - herbicide



LANDSCAPE LEVEL - herbicide or biological control releases



portions of the region and along Hwy 97; containment area for both orange and yellow invasive hawkweeds includes the Cariboo

Method of Spread: creeping roots and seed



Location: Widespread in the Cariboo and Chilcotin.

amendments, cutting, mowing or herbicide

are threatened



Type: perennial



Plumeless Thistle (Carduus acanthoides)

Location: Williams Lake River Valley Trail, Horsefly, Likely, and

and/or mowing

LANDSCAPE LEVEL - herbicide

Purple Loosestrife (Lythrum salicaria)

Location: Bouchie Lake area, Dragon Lake, Nazko Road,

Alexandria, Lac La Hache.

Type: perennial

Method of Spread: plant parts and seed spread by water and

Treatment: LOCAL LEVEL - hand-pull and cut seed heads LANDSCAPE LEVEL - cut seed heads, herbicide or biocontrol

Russian Knapweed (Acroptilon repens)

Location: Lone Butte, South Cariboo; prevalent in Southern

Type: perennial

Method of Spread: primarily through seed: however, it can

re-grow from root and crown fragments

Treatment: LOCAL LEVEL - frequently mowing and hand-pulling

small infestations

LANDSCAPE LEVEL - herbicide and possible biological

control for larger infestations



Scentless Chamomile (Matricaria perforate)

Location: Hwy 20 from Bella Coola to Williams Lake,

Horsefly Road and 108 Mile.

Type: annual or weak perennial

Method of Spread: exclusively by seed

Treatment: LOCAL LEVEL - hand-pulling

LANDSCAPE LEVEL - biological control and herbicide



Spotted Knapweed (Centaurea stoebe)

Location: Widespread throughout Cariboo, especially along main Hwy corridors and utility rights of way; scatted sites in

the Chilcotin

Type: biennial to short-lived perennial

Method of Spread: exclusively by seed

Treatment: LOCAL LEVEL - hand-pulling small infestations

or herbicide

LANDSCAPE LEVEL - herbicide, biological control and hand pulling



St. John's Wort (Hypericum perforatum L.)

Location: Few infestations in Quesnel area and Hawks Creek

Forest Service Road.

Type: perennial

Method of Spread: seed and roots

Treatment: LOCAL LEVEL - herbicide or tillage for agricultural sites

LANDSCAPE LEVEL - biological control



Sulphur Cinquefoil (Potentilla recta)

Location: Throughout the Central and South Cariboo, containment line east of Hwy 97; Lac La Hache, Tatlayoko, Quesnel, 1100 Road, Sulphurous Lake, 83 Mile Road, Big Lake, Sugarcane, San Jose River, Exeter Road, Beecher

Prairie.

Type: perennial

Method of Spread: seed and roots

Treatment: LOCAL LEVEL - hand-pulling small infestations,

herbicide

LANDSCAPE LEVEL - herbicide



Yellow Flag Iris (Iris pseudacorus)

Location: Scout Island in Williams Lake, Lac La Hache, Alexis

Lake, Bridge Lake.

Type: perennial

Method of Spread: seed and roots

Treatment: LOCAL LEVEL - frequent hand-pulling and/or

LANDSCAPE LEVEL - herbicide where possible and hand-pulling



Invasive Yellow Hawkweeds (Hieracium piloselloides, H. caespitosum, H. praealtum, H. flagellare)

Location: Widespread throughout the north east portion of the Cariboo, with a slight preference for drier conditions;

prevalent in the Nazko area and scattered in the west Chilcotin. Containment area for both orange & yellow invasive hawkweeds includes the Cariboo.

Type: perennial

Method of Spread: seeds and creeping roots Treatment: LOCAL LEVEL - hand-pulling new and small infestations, and herbicide

LANDSCAPE LEVEL - herbicide

250-855-9333 >> info@cccipc.ca >> #104 - 197 2nd Ave. N., Williams Lake, BC V2G 1Z5

Nodding Thistle (Carduus nutans L.) Location: Alexis Creek, Hanceville, Taseko Lake Road, Vert

Method of Spread: primarily by seed

or fertilization

LANDSCAPE LEVEL - herbicide

Type: perennial Method of Spread: spreads by seed or by underground

Treatment: LOCAL LEVEL - tilling, sulphur soil LANDSCAPE LEVEL - herbicide where important values

Perennial Pepperweed (Lepidium latifolium) Location: single site along Hwy 97 at 91 Mile

Treatment: LOCAL LEVEL - hand-pulling, cutting, herbicide

Chilcotin.

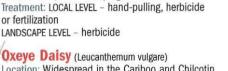
Method of Spread: primarily by seed

Lake, Chimney Creek and Ahbau Road Type: biennial

Treatment: LOCAL LEVEL - frequent mowing or hand-pulling



Type: perennial



rhizomes



Method of Spread: seed or root fragments LANDSCAPE LEVEL - herbicide

Treatment: LOCAL LEVEL - frequent hand-pulling

Priority Invasive Alien Plants by Plan Sub-Region in the Cariboo Chilcotin

THE PROPERTY OF THE PARTY OF TH					
Priority Ranking	Description				
1 New Invaders	Newly established species, current limited distribution, or at our borders. Expected to flourish if they become established, or if not managed. Management objective is elimination. Well established species in our region, but have not yet infested all potential habitats. New sites will be managed to contain them and prevent further spread.				
2 Containment					
3 Established	Common and widespread species that occupy most or all potential habitats. Widespread control of these species is not currently possible.				
4 Biological Control	Well established species in our region, for which effective biocontrol agents exist.				

Species ranks that are in WHITE indicate the species is **NOT known to exist** in that sub-region. If Black, the species is present.

Footnotes:

¹Provincial EDRR species.

²Biocontrol agent is present on dry sites, but not yet effective, it is effective in the TNRD near Canoe Creek

³Biocontrol agent is the primary means of control

⁴Biocontrol agent is present, but not yet effective

5In the Canoe/Dog/Churn Creek areas, species is mainly controlled by biocontrol agents.

⁶Species of growing concern in Williams Lake area

⁷Biocontrol appears to be affected by a parasite. Most sites are treatable.

Sub-Region Name	North Cariboo	Central Cariboo	South Cariboo	Nazko	Chilcotin
Regional District Electoral Areas	A, B, C	D, F	E, G, H, L	Ī	J, K
Baby's-Breath	1	1	1	1	1 Look
Black Henbane ¹	1	1	1	1	1
Blueweed	1	1	1	1	1
Burdock	3	3	3	3	2
Canada Thistle	3	3	3	3	3
Common Tansy	2	2	2	2	1 = 1
Dalmatian Toadflax	4	4	4	1	2 ³
Diffuse Knapweed	2	2	2	1	2
Field Scabious	2	1	1	1	1
Flowering Rush ¹	1	1	1	1	1
Himilayan Balsam	1	1	1	1	1
Hoary Alyssum	1	16	1	1	1
Hoary Cress	1	1	1	1	1
Hound's-Tongue	1	1	45	1	1
Knotweed Spp.	1	1	1	1	1
Leafy Spurge ²	2	1	1	2	1
Marsh Plume Thistle	2	1	1	1	1
Meadow Knapweed	1	1	1	1	1
Mountain Bluet	1	1	1	1	1
Nodding Thistle	4	4	4	4	4
. Orange Hawkweed	3	2	2	3	1
Oxeye Daisy	3	3	3	3	3
Perennial Pepperweed ¹	1	1	1	1	1
Plumeless Thistle	1	1	1	1	1
Purple Loosestrife	13	1	13	1	1
Russian Knapweed	1	1	1.	1	1
Scentless Chamomile	3	3	2	2	33
Spotted Knapweed	2	24	2	1	1
St. John's Wort ⁷	2	2	2	2	2
Sulphur Cinquefoil	1	2	2	1	1
Yellow Flag Iris	1	1	1	1	1
Yellow Hawkweeds, Invasive	3	3	2	3	2

Sub-Regions within the CCCIPC Regional Strategic Plan

