

OPERATIONAL PLAN FOR INVASIVE PLANT MANAGEMENT IN THE THOMPSON- NICOLA REGION

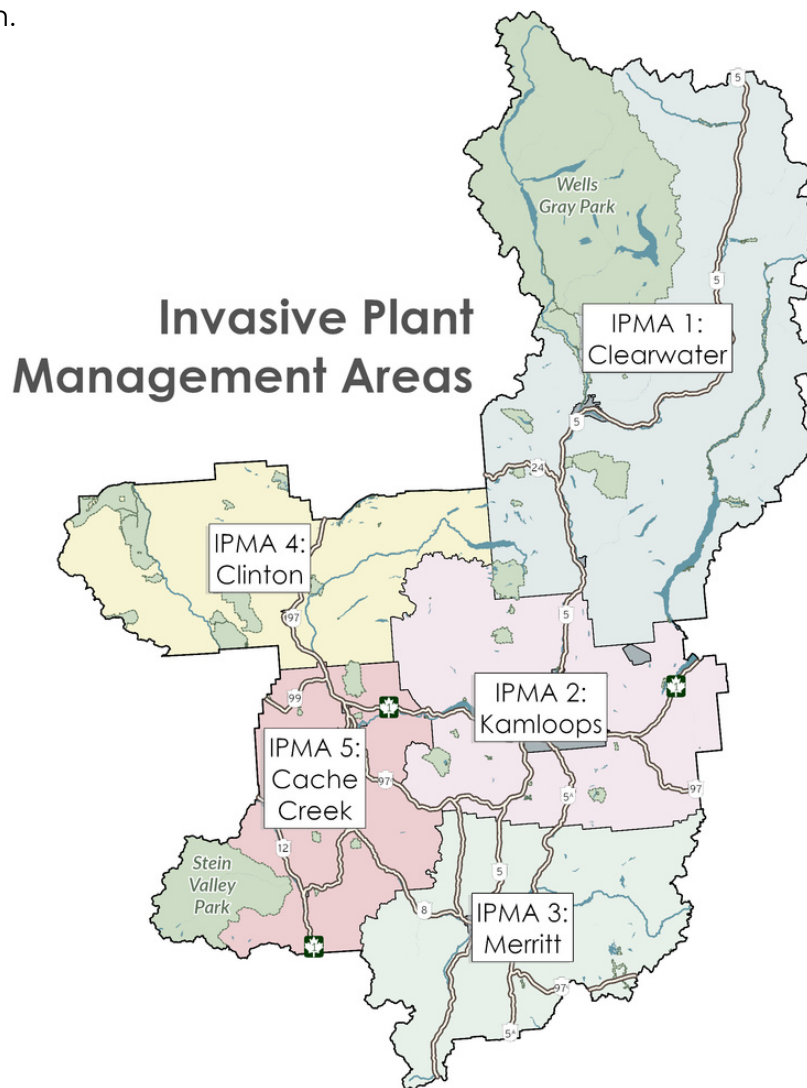
SUMMARY VERSION

UPDATED JANUARY 2024



The Operational Plan For Invasive Plant Management in the Thompson-Nicola Region, as a tool to enhance cross jurisdiction collaboration and coordination of invasive plants within the region.

The following information is a summary of the plan, which was developed to enhance cross jurisdiction coordination for invasive plant management within the Thompson-Nicola Region.



INVASIVE PLANT CATEGORIES & MANAGEMENT OBJECTIVES



The following table lists the invasive plant categories, management objectives and management expectations for the priority invasive species included in this plan. Each priority invasive plant in the region has been assigned to a category based on the outcomes of a risk assessment and current distribution across the region/IPMA.

It is recognized that invasive plant management goals will vary at regional and local scales. It is important to clarify that resource investment may vary between categories for each land manager, depending on their land management objectives.

PREVENT

Early detection of newly arrived invasive species, followed by a well-coordinated rapid response, will increase the likelihood of eradicating new invasions of plants in this category. Plants within the "Prevent" category have not been confirmed within the Thompson-Nicola Region. These species pose high risk to the province, region and/or IPMA. It is expected that land managers prioritize these species for surveillance and carry out best management practices to prevent these plants from establishing on their lands. All species within this category should be immediately reported to the TNIPMC who will assist in coordinating an immediate management response:

- Email: invasiveplants@tnrd.ca
- Phone: 1-877-377-8673

A ERADICATE

Plants listed in this category are present in very limited distribution. These species pose high risk to the province, region and/or IPMA and it is expected that land managers control infestations as soon as they are noted. Annual monitoring and treatment is required until the infestation can be deemed eradicated. All species within this category should be immediately reported to the TNIPMC who will assist in coordinating an immediate management response:

- Email: invasiveplants@tnrd.ca
- Phone: 1-877-377-8673

INVASIVE PLANT CATEGORIES & MANAGEMENT OBJECTIVES



B CONTROL

Category B species are known to exist in the region/IPMA in limited distribution. If left untreated, these plants have significant potential to spread throughout the region/IPMA. Control to prevent spread can be achieved through annual treatment and monitoring of ALL infestations in the region/IPMA.

C CONTAIN & SITE SPECIFIC CONTROL

Category C species are present in abundance throughout the region/IPMA but they have not yet infested all potential habitats. Eradication of these plants is not likely however management can still take place in areas that are highly valued and/or are relatively invasive free.

The containment areas for select category C species is available in Appendix II . It is expected that land managers control all invasive plants outside of the containment area and may choose to control select infestations within the containment area to protect specific land values.

Land manager managers may choose to create their own containment areas to protect certain values. Similarly, it is expected land managers control all invasive plants outside of these containment area.

D- MONITOR & SITE SPECIFIC CONTROL

Category D species are common and widespread, occupying most or all potential habitats within the region/IPMA. Widespread control of these species is not currently possible unless funding and resources are significantly increased. In this category, management efforts are carried out to prevent spread into un-infested habitat and protect local area land values. It is expected that land managers will monitor the impact of the species on local area land values and carry out control based on specific land management objectives. The use of biological control may be considered where agents are available.

PRIORITY INVASIVE PLANTS BY INVASIVE PLANT MANAGEMENT AREA IN THE THOMPSON- NICOLA REGION

Common Name	Latin Name	Regional	IPMA 1 Clearwater	IPMA 2 Kamloops	IPMA 3 Merritt	IPMA 4 Clinton	IPMA 5 Cache Creek
Baby's breath	<i>Gypsophila paniculata</i>	C	A	C	C	B	C
Bighead knapweed	<i>Centaurea macrocephala</i>	B	A	A	B	A	A
Black henbane	<i>Hyoscyamus niger</i>	A	A	A	A	A	A
Black knapweed	<i>Centaurea nigra</i>	A	A	A	A	A	A
Bladder campion	<i>Silene cucubalus</i>	D	D	D	D	D	D
Blueweed	<i>Echium vulgare</i>	C	A	B	C	B	C
Bohemian knotweed	<i>Fallopia x bohemica</i>	A	A	A	A	A	A
Brown knapweed	<i>Centaurea jacea</i>	A	A	A	A	A	A
Bulbous bluegrass	<i>Poa bulbosa</i>	C	A	C	A	C	A
Bull thistle	<i>Cirsium vulgare</i>	D	D	D	D	D	D
Bur buttercup	<i>Ranunculus testiculatus</i>	D	D	D	D	D	D
Bur chervil	<i>Anthriscus caucalis</i>	P	P	P	P	P	P
Burdock	<i>Arctium minus</i>	D	D	D	D	D	D
Canada thistle	<i>Cirsium vulgare</i>	D	D	D	D	D	D
Caraway	<i>Carum carvi</i>	A	A	A	A	A	A
Carpet burweed	<i>Soliva sessilis</i>	A	A	A	A	A	A
Chameleon plant	<i>Houttuynia cordata</i>	P	P	P	P	P	P
Chicory	<i>Cichorium intybus</i>	D	D	D	D	D	D
Chinese boxthorn	<i>Lycium barbarum</i>	D	D	D	D	D	D
Common bugloss	<i>Anchusa officinalis</i>	A	A	A	A	A	A
Common cocklebur	<i>Xanthium orientale</i>	A	A	A	A	A	A
Common crupina	<i>Crupina vulgaris</i>	P	P	P	P	P	P
Common tansy	<i>Tanacetum vulgare</i>	C	C	C	B	B	B
Common toadflax	<i>Linaria vulgaris</i>	D	D	D	D	D	D

Cutleaf blackberry	<i>Rubus laciniatus</i>	A	A	A	A	A	A
Cypress spurge	<i>Euphorbia cyparissias</i>	A	A	A	A	A	A
Dalmatian toadflax	<i>Linaria dalmatica</i>	D	D	D	D	D	D
Dame's rocket	<i>Hesperis matronalis</i>	A	A	A	A	A	A
Diffuse knapweed	<i>Centaurea diffusa</i>	D	D	D	D	D	D
Fernleaf yarrow	<i>Achillea filipendulina</i>	A	A	A	A	A	A
Field bindweed	<i>Convolvulus arvensis</i>	D	D	D	D	D	D
Field scabious	<i>Knautia arvensis</i>	C	A	A	C	A	A
Garden yellow loosestrife	<i>Lysimachia vulgaris</i>	A	A	A	A	A	A
Garlic mustard	<i>Alliaria petiolata</i>	P	P	P	P	P	P
Giant hogweed	<i>Heracleum mantegazzianum</i>	P	P	P	P	P	P
Giant knotweed	<i>Fallopia sachalinensis</i>	A	A	A	A	A	A
Giant Mannagrass/Reed Sweetgrass	<i>Glyceria maxima</i>	P	P	P	P	P	P
Himalayan balsam	<i>Impatiens glandulifera</i>	A	A	A	A	A	A
Himalayan blackberry	<i>Rubus armeniacus</i>	A	A	A	A	A	A
Himalayan knotweed	<i>Polygonum polystachyum</i>	A	A	A	A	A	A
Hoary alyssum	<i>Berteroa incana</i>	C	C	C	B	B	B
Hoary cress	<i>Cardaria spp.</i>	B	A	B	B	A	B
Hounds tongue	<i>Cynoglossum officinale</i>	D	D	D	D	D	D
Italian arum	<i>Arum italicum</i>	P	P	P	P	P	P
Japanese butterbur	<i>Petasites japonicus</i>	A	A	A	A	A	A
Japanese knotweed	<i>Fallopia japonica</i>	B	B	B	A	A	A
Jointed goatgrass	<i>Aegilops cylindrica</i>	P	P	P	P	P	P
Leafy spurge	<i>Euphorbia esula</i>	C	A	C	B	C	C
Longspine sandbur	<i>Cenchrus longispinus</i>	P	P	P	P	P	P

Marsh plume thistle	<i>Cirsium palustre</i>	A	A	A	A	A	A
Meadow goat's beard	<i>Tragopogon pratensis</i>	C	B	B	B	C	C
Meadow knapweed	<i>Centaurea x moncktonii</i>	A	A	A	A	A	A
Mountain bluet	<i>Centaurea montana</i>	D	D	D	D	D	D
Mouse-ear-hawkweed	<i>Pilosella officinarum</i>	A	A	A	A	A	A
Mouse-ear-hawkweed	<i>Pilosella officinarum</i>	P	P	P	P	P	P
Myrtle spurge	<i>Euphorbia myrsinites</i>	A	A	A	A	A	A
Night flowering catchfly	<i>Silene noctiflora</i>	D	D	D	D	D	D
Nodding thistle	<i>Carduus nutans</i>	C	A	C	C	A	A
North Africa grass	<i>Ventenata dubia</i>	P	P	P	P	P	P
Orange hawkweed ¹	<i>Hieracium aurantiacum</i>	C	C	C	A	A	A
Oxeye daisy	<i>Leucanthemum vulgare</i>	D	D	D	D	D	D
Perennial pepperweed	<i>Lepidium latifolium</i>	A	A	A	A	A	A
Persian cornflower	<i>Centaurea dealbata</i>	A	A	A	A	A	A
Phragmites		A	A	A	A	A	A
Plumeless thistle	<i>Carduus acanthoides</i>	C	B	C	A	A	A
Poison hemlock	<i>Conium maculatum L.</i>	B	A	B	A	A	A
Puncturevine	<i>Tribulus terrestris</i>	A	A	A	A	A	A
Purple loosestrife	<i>Lythrum salicaria</i>	A	A	A	A	A	A
Purple nutsedge	<i>Cyperus rotundus</i>	P	P	P	P	P	P
Queen Annes lace	<i>Daucus carota</i>	A	A	A	A	A	A
Rush skeletonweed	<i>Chondrilla juncea</i>	A	A	A	A	A	A
Russian knapweed	<i>Centaurea repens</i>	C	A	C	B	C	C
Russian olive	<i>Elaeagnus angustifolia</i>	D	D	D	D	D	D
Scentless chamomile	<i>Matricaria maritima</i>	D	D	D	D	D	D

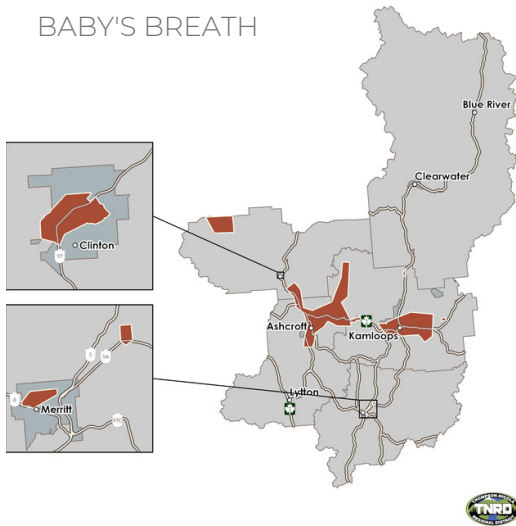
Foot Notes:

1. Priority areas for treatment within OH containment area include high elevation areas/ alpine habitat.

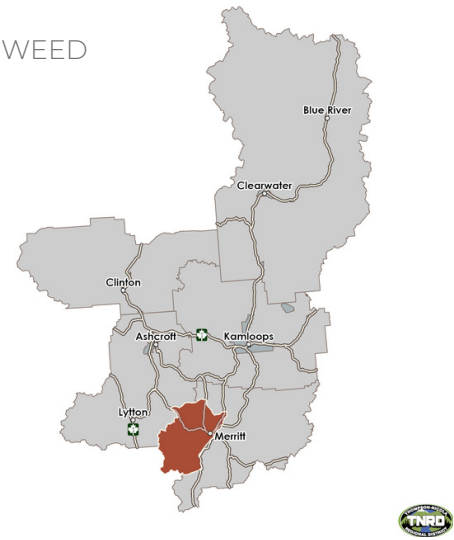
Scotch broom	<i>Cytisus scoparius</i>	A	A	A	A	A	A
Scotch thistle	<i>Onopordum acanthium</i>	B	A	B	B	A	A
Shiny geranium	<i>Geranium lucidum</i>	P	P	P	P	P	P
Spotted knapweed	<i>Centaurea maculosa</i>	D	D	D	D	D	D
St. Johns wort	<i>Hypericum perforatum</i>	C	C	C	B	B	B
Sulphur cinquefoil	<i>Potentilla recta</i>	D	D	D	D	D	D
Sweet fennel	<i>Foeniculum vulgare</i>	A	A	A	A	A	A
Tansy ragwort	<i>Senecio jacobaea</i>	A	A	A	A	A	A
Teasel	<i>Dipsacus fullonum</i>	A	A	A	A	A	A
Tree of Heaven	<i>Ailanthus altissima</i>	A	A	A	A	A	A
Velvetleaf	<i>Abutilon theophrasti</i>	P	P	P	P	P	P
Western goat's beard	<i>Tragopogon dubius</i>	D	D	D	D	D	D
Whiplash hawkweed	<i>Hieracium flagellare</i>	C	C	A	A	A	A
Wild 4 O'clock	<i>Mirabilis nyctaginea</i>	A	A	A	A	A	A
Wild chervil	<i>Anthriscus sylvestris</i>	A	A	A	A	A	A
Wild oats	<i>Avena fatua</i>	P	P	P	P	P	P
Wild parsnip	<i>Pastinaca sativa</i>	A	A	A	A	A	A
Yellow bedstraw	<i>Galium verum</i>	C	A	C	A	A	A
Yellow flag iris	<i>Iris pseudacorus</i>	B	B	B	B	B	B
Yellow hawkweed spp		D	D	D	D	D	D
Yellow nutsedge	<i>Cyperus esculentus</i>	P	P	P	P	P	P

REGIONAL CONTAINMENT AREAS

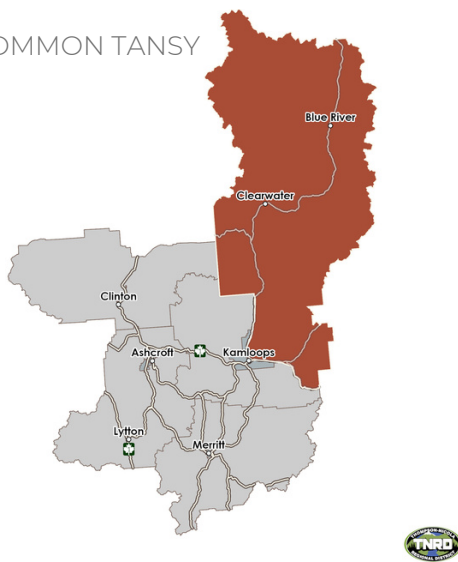
BABY'S BREATH



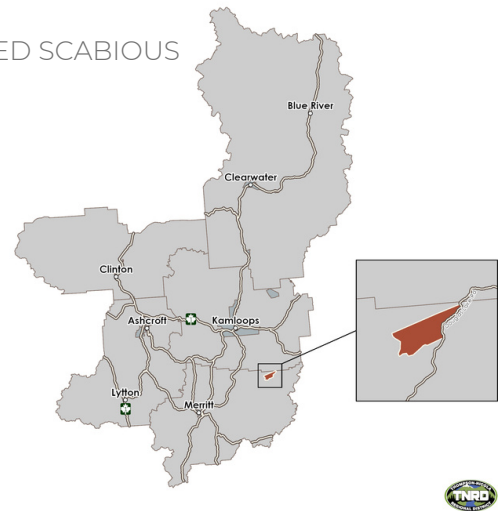
BLUEWEED



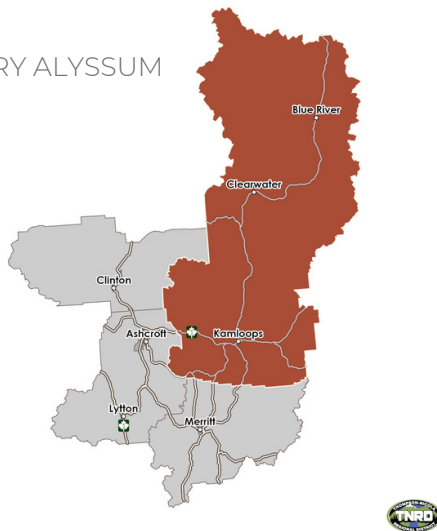
COMMON TANSY



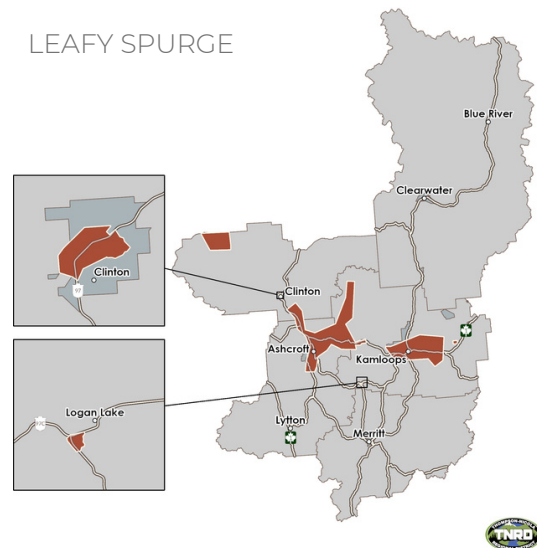
FILED SCABIOUS



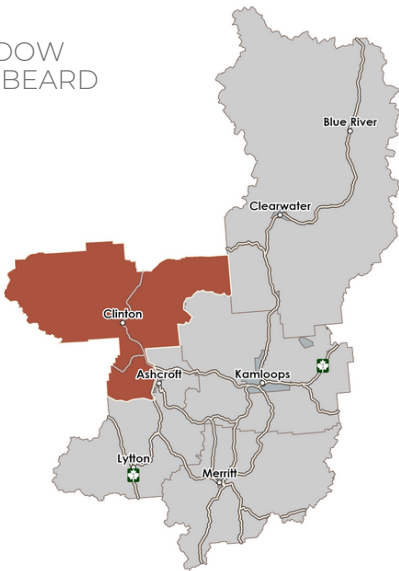
HOARY ALYSSUM



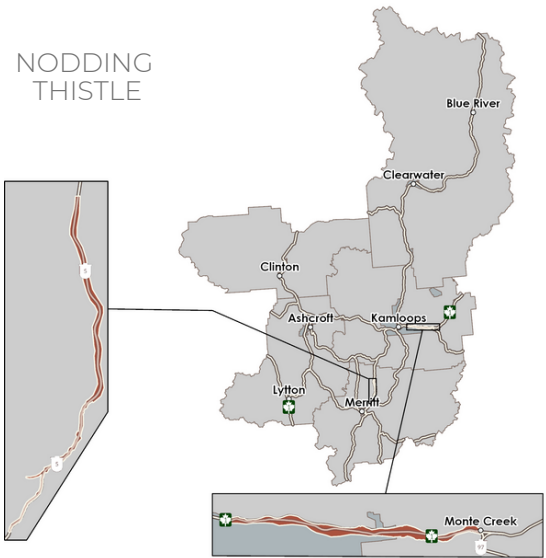
LEAFY SPURGE



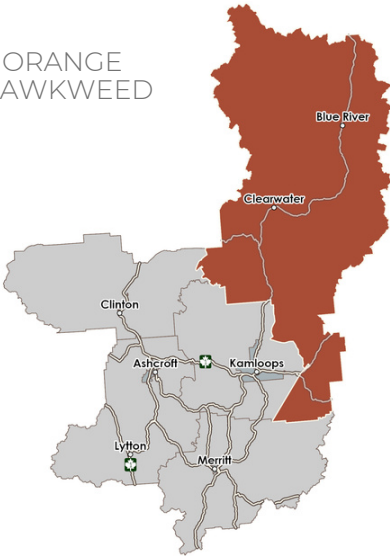
MEADOW
GOAT'S BEARD



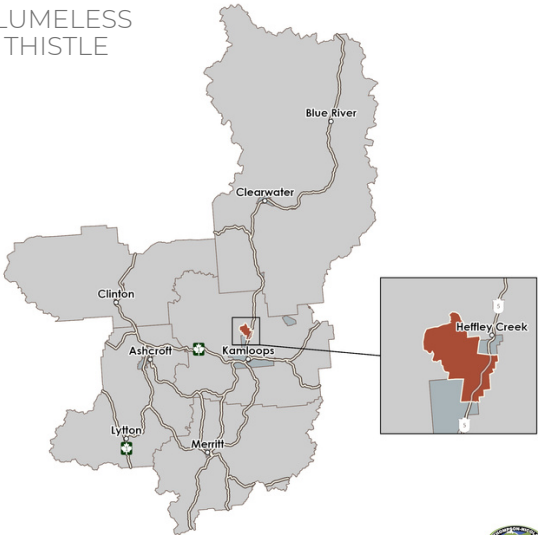
NODDING
THISTLE



ORANGE
HAWKWEED



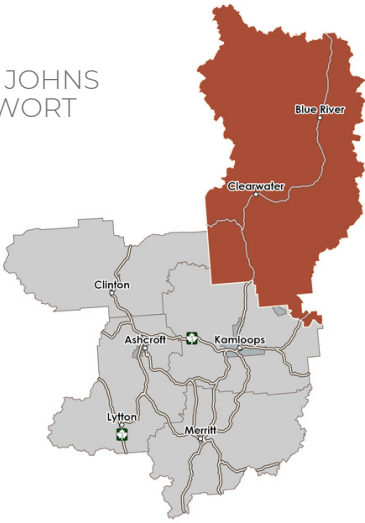
PLUMELESS
THISTLE



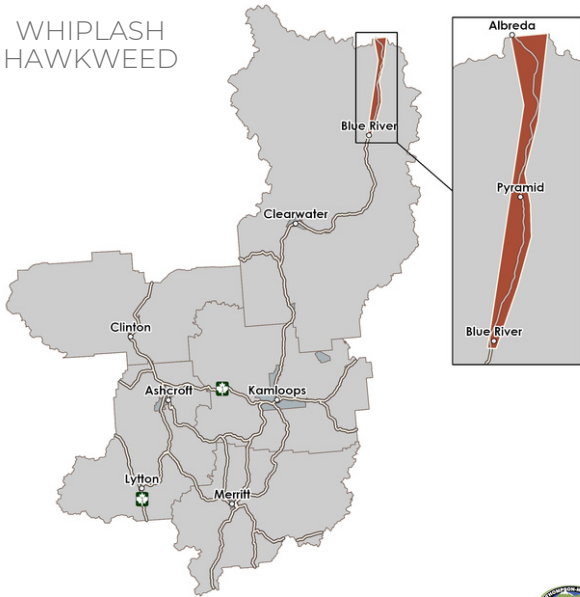
RUSSIAN
KNAPWEED



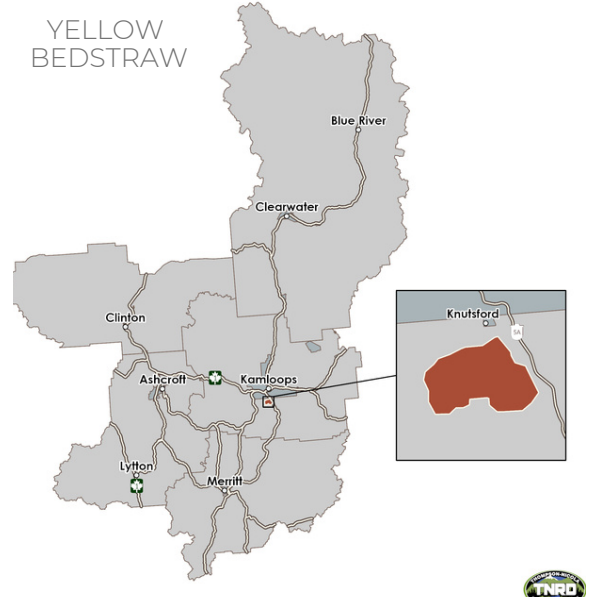
ST. JOHNS
WORT



WHIPLASH HAWKWEED



YELLOW BEDSTRAW



REPORT ALL HIGH PRIORITY SPECIES

Early detection of newly arrived invasive species (category P and A) , followed by a well-coordinated rapid response, will increase the likelihood of eradication or containment of new invasions. Please report invasive plant sightings:

- Email: invasiveplants@tnrd.ca
- Phone: 1-877-377-8673

For emailed reports, please attach a photo of the plant in question, if possible.

