



CSISS Annual Land Managers Meeting Draft Agenda:

Meeting Details:

March 15, 2018 11:00am-3:00pm CSRD Board Room, [CSRD Office](#), 555 Harbourfront Drive NE, Salmon Arm, BC.
For more info/RSVP: contact info@columbiashuswapinvasives.org

Draft Agenda

11:00 – 11:15am: Registration and Networking (coffee and tea provided)

11:15 – 11:30 pm: Introductions, Review “Overview and Purpose of Meeting” (Page 2)

11:30 – 12:00 pm: Roundtable of updates from regional stakeholders, and share proposed updates to Priority list and 2018 operational priorities

12:00-12:30 pm: Lunch Break (continue meeting if possible)

12:30- 1:30 pm: Review “Part 1: Proposed Updates to CSISS Priority Plant List” including containment lines*

1:30 - 2:30 pm: Review “Part 2: Proposed New Species to Priority Lists”

2:00 – 2:30 pm: Review “Part 3: Proposed New Categories” including provincially prohibited and unlisted species

2:30 – 3:00pm: Final Comments and Closing

*More details on Parts 1-3 forthcoming in a detailed agenda after registration

Overview and Purpose

The Columbia Shuswap Invasive Species Society is doing an annual review of their Priority Invasive Plant lists from the CSISS’ Invasive Plant Management Area (IPMA) Operational Plan. Your input is critical in ensuring the delivery of an effective, efficient, and coordinated invasive plant program in the Columbia Shuswap. The goal of this meeting is to enable land managers to provide guidance and input on the Invasive Plant Management Area Operational Plan Lists. The meeting objectives are to 1) Share updates on invasive plant management activities of each organization; and 2) Revisit prioritization of invasive plant species and activities for treatments, inventories, monitoring and data management.

This annual review of the Priority Invasive Plant Lists is based on the CSISS Operational Plan (2014-2019): “The scope of this plan is to determine the terrestrial and riparian invasive plant species that have the potential to impact the ecological, economic or social well-being of the region and to facilitate their prevention, reduction and management. This plan reflects local priorities for invasive plant management within a five-year time frame with the understanding that the plan will be revisited annually.” Therefore, this is not a full update of the Plan, but rather an annual ‘revisiting’ with the intent to update the priority plant list, add new species and any new categories required based on IAPP database and expert advice from land managers.

To view the full CSISS Operational Plan: http://columbiashuswapinvasives.org/wp-content/uploads/2014/03/CSISS_Operational_Plan_Final.pdf. See Table 1 below for a review of the priority ranking categories from invasive plant species and Appendix 1 for current IAPP data for priority species.

TABLE 1: DEFINITION OF PRIORITY RANKING CATEGORIES FOR INVASIVE PLANT SPECIES.

Priority Ranking	Description
Provincial EDRR Regional EDRR (Prevention) (1)	<p>These invasive plant species are proposed BC Prohibited Noxious Weeds and candidates for the BC Early Detection Rapid Response Program. CSISS reports occurrences to FLNRO; FLNRO will initiate treatment. For a list of current species, see: BC Government Noxious Weeds</p> <p>These species are not currently known in this IPMA but are known to occur in the Columbia-Shuswap region. The goal for these species is immediate eradication if they are detected. EDRR reporting and action protocols for these species are outlined in Section 3.4. These sites are extremely high priority for treatment and eradication is the management objective.</p>
ERADICATION OR ANNUAL CONTROL (2)	<p>These species are known in the IPMA but with very limited distribution. Some of these species may have been present for a relatively long period so monitoring for spread is the management objective. Other species are relatively new to the IPMA so eradication is the objective.</p>
CONTAINMENT (3)	<p>These species are abundant (with no expectation of eradication) in certain portions of the IPMA but have not yet infested all potential habitats. Management efforts are delineated by containment lines which may be based on geographic (i.e. a specific region) or jurisdictional boundaries (e.g. private gardens only). Some of these species have biocontrol (BC) agents available which may be useful within the containment line. Containment is the management objective.</p>
ESTABLISHED (BIOCONTROL OR SITE-SPECIFIC APPROACH) (4)	<p>These are widespread species that are beyond landscape-level control and/or have relatively low impact. Land managers may choose to treat these species at high priority sites (e.g. wildlife habitat, corridors of spread, adjacent to agricultural land, restoration goals, etc.) based on specific land management objectives. Some of these species have biological control agents available.</p>
INSUFFICIENT INFORMATION (5)	<p>There is insufficient information for these species on their distribution, impacts, potential for spread and/or feasibility of control. In some cases, species have also been classified in one of the other categories because enough is known about their distribution. They also appear in this category because further information is still required.</p>

Current CSISS Priority Ranking List (Updated February 2017)

Provincially Proposed Prohibited Species

Provincial Prohibited EDRR WATCHLIST- Prohibited species for BC. Provincial government takes lead role in treatments. Report these species through Report-A-Weed app.		
Species Name	Ranking	Report for:
* Currently not known in CSISS Region		
African rue (PEGA HAR)*	1+	ALL IPMA's
Black henbane (HYSO NIG)*	1+	ALL IPMA's
Camel thorn (ALHA MAU)*	1+	ALL IPMA's
Common crupina (CRUP VUL)*	1+	ALL IPMA's
Dyer's woad (ISAT TIN)*	1+	ALL IPMA's
Eggleaf spurge (EUPH OBL)*	1+	ALL IPMA's
False brome / slender brome (BRAC SYL)*	1+	ALL IPMA's
Foxtail, slender / meadow (ALOP MYO)*	1+	ALL IPMA's
Giant reed (ARUN DON)*	1+	ALL IPMA's
Goat's rue /French lilac (GALE OFF)*	1+	ALL IPMA's
Halogeton / Saltlover (HALO GLO)*	1+	ALL IPMA's
Johnsongrass (SORG HAL)*	1+	ALL IPMA's
Jointed goatgrass (AEGI CIL)*	1+	ALL IPMA's
Kudzu (PUER MON)*	1+	ALL IPMA's
Meadow clary (SALV PRA)*	1+	ALL IPMA's
Medusahead (TAEN CAP)*	1+	ALL IPMA's
Mouse-ear hawkweed (HIER PIL)*	1+	ALL IPMA's
North Africa grass (VENT DUB)*	1+	ALL IPMA's
Nutsedge, purple (CYPE ROT)*	1+	ALL IPMA's
Perennial pepperweed (LEPI LAT)*	1+	ALL IPMA's
Red bartsia (ODON SER)*	1+	ALL IPMA's
Sage, clary (SALV SCL)*	1+	ALL IPMA's
Sage, Mediterranean (SALV AET)*	1+	ALL IPMA's
Silverleaf nightshade (SOLA ELA)*	1+	ALL IPMA's
Spring millet grass (MILI VER)*	1+	ALL IPMA's
Spurge flax (THYM PAS)*	1+	ALL IPMA's
Squarrose knapweed (CENT VIR)*	1+	ALL IPMA's
Starthistle, Iberian (CENT IBE)*	1+	ALL IPMA's
Starthistle, purple (CENT CAL)*	1+	ALL IPMA's
Starthistle, yellow (CENT SOL)*	1+	ALL IPMA's
Syrian bean-caper (ZYGO FAB)*	1+	ALL IPMA's
Texas blueweed (HELI CIL)*	1+	ALL IPMA's
Thistle, Italian (CARD PYC)*	1+	ALL IPMA's
Thistle, slender-flowered (CARD TEN)*	1+	ALL IPMA's

For full list of Proposed Prohibited Species, visit: https://www.for.gov.bc.ca/hra/invasive-species/Proposed_Prohibited_Noxious_Weeds_Apr2016.pdf

Invasive Plant Watchlist for Columbia Shuswap

CSISS WATCHLIST will contain priority level 1 invasive plants currently not known in the Columbia Shuswap Region. EDRR regional protocols will be followed.		
Species Name	Ranking	Report for:
*Currently not known in CSISS region		
Buffalobur* (SOLA ROS)	1	ALL IPMA's
Bur chervil* (ANTH CAU)	1	ALL IPMA's
Colt's foot* (TUSS FAR)	1	ALL IPMA's
Common bugloss* (ANCH OFF)	1	ALL IPMA'S
Flowering rush* (BUTO UMB)	1	ALL IPMA's
Garlic mustard* (ALLI PET)	1	ALL IPMA's
Gorse* (ULEX EUR)	1	ALL IPMA's
Greater knapweed* (CENT SCA)	1	ALL IPMA's
Longspine sandbur* (CENC LON)	1	ALL IPMA's
Nodding thistle* (CARD NUT)	1	ALL IPMA's
Plumeless thistle* (CARD ACA)	1	ALL IPMA's
Puncturevine* (TRIB TER)	1	ALL IPMA's
Tansy ragwort* (SENE JAC)	1	ALL IPMA's
Wild Four O'Clock* (MIRA NYC)	1	ALL IPMA's
Wood sage* (SALV NEM)	1	ALL IPMA's

Note the following unlisted species in Table below, as well aquatic (AIS) listed species are on the Columbia Basin Aquatic Invasive Species Framework List (e.g. Eurasian Watermilfoil).

UNLISTED - Lowest Priority all IPMAs (therefore not included in ranking, but some jurisdictions may still control - consider as priority 4)	Rank
Bladder Campion	6
Groundsel	6
Sheep sorrel (RUME ACE)	6
Mullein	6
White Cockle	6

Priority invasive plant species in the Columbia Shuswap by IPMA

Species	Bio-control?	Relevant legislation ¹	Salmon Arm IPMA	Revelstoke IPMA	Golden IPMA
Annual sow thistle (SONC OLE)			4	4	4
Baby's breath (GYPS PAN)		CCA, FRPA	1	1	2
Bachelor's button (CENT CYA)			5	5	5
Bighead knapweed (CENT MAC)			2	1	2
Bittersweet nightshade / Nightshade (SOLA SPP)			4	5	5
Black knapweed (CENT NIG)		FRPA	2	2	1
Black locust (ROBI PSE)			5	5	5
Blueweed (ECHI VUL)		WCA, FRPA	2	2	2
Brown Knapweed (CENT JAC)			5	5	5
Buffalobur (SOLA ROS)			1	1	1
Bull thistle (CIRS VUL)	Y	CCA, FRPA	4	4	4
Bur chervil (ANTH CAU)			1	1	1
Burdock (ARCT SPP)		WCA, FRPA	4	4	4
Canada thistle (CIRS ARV)	Y	WCA, CCA, FRPA	4	4	4
Caraway (CARU CAR)			1	1	2
Chicory (CICH INT)			4	4	4
Colt's Foot (TUS FAR) (Tussilago spp.)			1	1	1
Common bugloss (ANCH OFF)		FRPA	1	1	1
Common comfrey (SYMP OFF)			4	4	4
Common tansy (TANA VUL)		WCA, FRPA	3	3	2
Contain to gardens: - Butterfly bush (BUDD DAV) - English Ivy (HEDE HEL) - Goutweed (AEGO POD) - Japanese butterbur - Russian olive (ELAE ANG) - Common Periwinkle (VINC MIN) - Salt cedar/ Tamarisk (TAMA RAM) - Siberian elm (ULMU PUM)			3	3	3

Species	Bio-control?	Relevant legislation ¹	Salmon Arm IPMA	Revelstoke IPMA	Golden IPMA
Creeping buttercup (RANU REP)			5	5	5
Curled dock (RUME CRI)			4	4	4
Cypress spurge (EUPH CYP)			2	1	2
Dalmatian toadflax (LINA DAL)	Y	WCA, CCA, FRPA	4	4	4
Dame's rocket (HESP MAT)			5	5	5
Diffuse knapweed (CENT DIFF)	Y	WCA, CCA, FRPA	4	4	2
Eyebright (EUPH NEM)			5	5	5
Field bindweed (CONV ARV)			5	5	5
Field scabious (KNAU ARV)		FRPA	2	1	1
Flat Peavine (LATH SYL) (<i>Lathyrus sylvestris</i>)			5	5	5
Flowering rush (BUTO UMB)			1	1	1
Fragrant water lily (NYMP ODO)			2	1	1
Garlic mustard (ALLI PET)			5	5	5
Giant hogweed (HERA MAN)			2	1	1
Gorse (ULEX EUR)			1	1	1
Greater celandine (CHEL MAJ)			5	5	5
Greater knapweed (CENT SCA)			1	1	1
Green foxtail / green bristlegrass (SETA VIR)			5	5	5
Hairy cat's ear (HYPO RAD)			5	5	5
Hawkweed spp. (HIER SPP) (see yellow hawkweeds)			4	4	4
Himalayan blackberry (RUBU ARM)		CCA	2	5	5
Hoary alyssum (BERT INC)		FRPA	4	2	2

Species	Bio-control?	Relevant legislation ¹	Salmon Arm IPMA	Revelstoke IPMA	Golden IPMA
Hoary cress (CARD DRA)		WCA, FRPA	1	1	2
Hound's tongue (CYNO OFF)	Y	WCA, CCA, FRPA	4	4	4
Knapweed species (CENT SPP)	Y/ limited		4	4	2
Knotweeds (FALL SPP)		WCA, CCA, FRPA	2	2	2
Lady's thumb (POLY PER)			5	5	5
Leafy spurge (EUPH ESU)	Y	WCA, CCA, FRPA	2	2	1
Longspine sandbur (CENC LON)			1	1	1
Marsh plume thistle (CIRS PALU)		FRPA	2	2	1
Meadow goat's beard (TRAG PRA) (<i>Tragopogon pratensis</i>)			4	4	1
Meadow knapweed (CENT DEB)		WCA, FRPA	2	2	1
Night-flowering catchfly (SILE NOC)			5	5	5
Nodding thistle (CARD NUT)			1	1	1
Orange hawkweed (HIER AUR)		WCA, FRPA	4	4	5
Oxeye daisy (LEUC VUL)		FRPA	4	4	4
Perennial sow thistle (SONC ARV)		WCA	4	4	4
Plumeless thistle (CARD ACA)			1	1	1
Poison hemlock (CONI MAC)			4	5	5
Policeman's helmet / Himalayan Balsam/Orchid (IMPA GLA)		CCA	2	2	2
Puncturevine (TRIB TER)		FRPA	1	1	1
Purple loosestrife (LYNT SAL)	Y	WCA, CCA, FRPA	2	2	1
Queen anne's lace / wild carrot (DAUC CAR)			4	5	5

Species	Bio-control?	Relevant legislation ¹	Salmon Arm IPMA	Revelstoke IPMA	Golden IPMA
Rush skeletonweed (CHON JUN)	Y	WCA, CCA, FRPA	2	1	1
Russian knapweed (ACRO REP)		FRPA	5	1	1
Scentless chamomile (MATR PER)	Y	WCA, CCA, FRPA	5	5	2
Scotch broom (CYTI SCO)		CCA, FRPA	2	1	1
Scotch thistle (ONOP ACA)		FRPA	2	1	1
Short-fringed knapweed (CENT NIR)			2	2	2
Sow thistle spp (SONC SPP)			4	4	4
Spotted knapweed (CENT BIE)	Y	WCA, CCA, FRPA	4	4	2
St. John's wort (HYPE PER)	Y	CCA, FRPA	4	4	5
Sulphur cinquefoil (POTE REC)		WCA, FRPA	4	4	5
Tall Buttercup/ Meadow Buttercup (RANU ACR)			5	5	5
Tansy Ragwort			1	1	1
Teasel (DIPS FUL)		FRPA	2	1	1
Western Goat's Beard (TRAG DUB) (<i>Tragapogon dubius</i>)			4	4	4
Wild chervil (ANTH SYL)			2	2	1
Wild Four O'Clock (MIRA NYC)			1	1	1
Wood sage (SALV NEM)			1	1	1
Wormwood (ARTE ABS) (Absinth)			4	4	5
Yellow flag-iris (IRI PSE)		WCA, CCA, FRPA	3	2	1
Yellow hawkweeds (HIER SPP) (including: king devil, meadow, polar, queen devil, spotted, tall, whiplash, yellow devil)		FRPA (meadow)	4	4	4
Lamium/Yellow archangel (LAMI GAL)			2	2	2
Yellow (common) toadflax (LINA VUL)		WCA, CCA, FRPA	4	4	4

Salmon Arm IPMA Priority species List

EDRR WATCHLIST - Not currently known in this IPMA (and may also not be known in the CSISS region*). Follow EDRR reporting and action protocols. Bolded species are Proposed Prohibited EDRR for the province.		
<ul style="list-style-type: none"> - Baby's breath - Black henbane - Buffalobur* - Bur chervil* - Caraway - Colt's foot* - Common bugloss - Common crupina - Common reed 	<ul style="list-style-type: none"> - Dyer's woad - Flowering rush* - Gorse* - Greater knapweed* - Hoary Cress - Longspine sandbur* - Mouse-ear hawkweed - Nodding thistle* - Perennial pepperweed 	<ul style="list-style-type: none"> - Plumeless thistle* - Puncturevine* - Syrian beancaper - Squarrose knapweed - Tansy Ragwort* - Velvet leaf - Wild Four O'Clock* - Wood sage* - Yellow starthistle
ERADICATION or ANNUAL CONTROL – Species known in IPMA but with very limited distribution. Enter inventory data, report and treat or monitor annually. Some of these species have biocontrol (BC) available.		
<ul style="list-style-type: none"> - ALL containment species OUTSIDE their containment lines (see next section) - Bighead knapweed - Black knapweed - Blueweed - Cypress spurge - Field scabious 	<ul style="list-style-type: none"> - Fragrant water lily - Giant hogweed - Himalayan blackberry - Knotweeds - Leafy spurge (BC) - Marsh plum thistle - Meadow knapweed - Policeman's helmet 	<ul style="list-style-type: none"> - Purple loosestrife (BC) - Rush skeletonweed (BC) - Scotch broom - Scotch thistle - Short-fringed knapweed - Teasel - Wild chervil - Yellow archangel/ lamium
CONTAINMENT – Enter inventory data, report and treat all sites outside containment lines. Some of these species have biocontrol (BC) available which can be used within the containment line.		
<p>Contain to gardens:</p> <ul style="list-style-type: none"> - Butterfly bush - English Ivy - Goutweed - Japanese butterbur - Russian olive - Common Periwinkle - Salt cedar/ Tamarisk - Siberian elm 	<p>Contain to Gardom Lake:</p> <ul style="list-style-type: none"> - Yellow flag-iris 	<p>Contain to west portion of IPMA (treat Seymour Arm and east portion of IPMA, see map):</p> <ul style="list-style-type: none"> - Common tansy
ESTABLISHED (BIOCONTROL OR SITE-SPECIFIC APPROACH) – Widespread species that are beyond landscape-level control or have relatively low impact. May have biocontrol (BC) available. Treat based on land management objectives.		
<ul style="list-style-type: none"> - Annual sow thistle - Bittersweet nightshade - Bull thistle (BC) - Burdock - Canada thistle (BC) - Chicory - Common comfrey - Curled dock - Dalmatian toadflax (BC) - Diffuse knapweed (BC) 	<ul style="list-style-type: none"> - Hawkweed spp. - Hoary Alyssum - Hound's tongue (BC) - Knapweed spp. (BC) - Meadow goat's beard - Orange hawkweed - Oxeye daisy - Perennial sow thistle - Poison hemlock 	<ul style="list-style-type: none"> - Queen Anne's Lace - Sow thistle spp - Spotted knapweed (BC) - St. John's Wort (BC) - Sulphur cinquefoil - Western goat's beard - Wormwood - Yellow hawkweeds - Yellow/common toadflax
INSUFFICIENT INFORMATION – There is a lack of information on the distribution, impacts and potential for spread and/or control of the following species. Some of these species may appear in other categories (since their distribution is relatively well understood) but they also appear in this category because further information is still required.		
<ul style="list-style-type: none"> - Bachelor's button - Black locust - Brown knapweed - Creeping buttercup - Dame's rocket - Eyebright 	<ul style="list-style-type: none"> - Field bindweed - Flat peavine - Garlic mustard - Greater celandine - Green foxtail - Hairy cat's ear 	<ul style="list-style-type: none"> - Lady's thumb - Night-flowering catchfly - Russian knapweed - Scentless chamomile (BC) - Tall/ meadow buttercup

Revelstoke IPMA Priority Species List

EDRR WATCHLIST - Not currently known in this IPMA (and may also not be known in the CSISS region*). Follow EDRR reporting and action protocols. **Bolded species are Proposed Prohibited EDRR for the province.**

<ul style="list-style-type: none"> - Baby's breath - Bighead knapweed - Black henbane - Buffalobur* - Bur chervil* - Caraway - Colt's foot* - Common bugloss - Common crupina - Common reed - Cypress spurge - Dyer's woad - Field scabious 	<ul style="list-style-type: none"> - Flowering rush* - Fragrant water lily - Giant hogweed - Gorse* - Greater knapweed* - Hoary cress - Longspine sandbur* - Mouse-ear hawkweed - Nodding thistle* - Perennial pepperweed - Plumeless thistle* - Puncturevine* 	<ul style="list-style-type: none"> - Rush skeletonweed Russian knapweed - Scotch broom - Scotch thistle - Squarrose knapweed - Syrian beancaper - Tansy ragwort* - Teasel - Velvet leaf - Wild Four O'Clock* - Wood sage* - Yellow starthistle
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ERADICATION or ANNUAL CONTROL – Species known in IPMA but with very limited distribution. Enter inventory data, report and treat or monitor annually. Some of these species have biocontrol (BC) available.

<ul style="list-style-type: none"> - ALL containment species OUTSIDE their containment lines (see next section) - Black knapweed - Blueweed 	<ul style="list-style-type: none"> - Hoary alyssum - Knotweeds - Leafy spurge (BC) - Marsh plume thistle - Meadow knapweed - Policeman's helmet 	<ul style="list-style-type: none"> - Purple loosestrife (BC) - Short-fringed knapweed - Wild chervil - Yellow flag iris - Yellow archangel/ lamium
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CONTAINMENT – Enter inventory data, report and treat all sites outside containment lines. Some of these species have biocontrol (BC) available which can be used within the containment line.

<p>Contain to gardens:</p> <ul style="list-style-type: none"> - Butterfly bush - English Ivy - Goutweed - Japanese butterbur 	<p>Contain to gardens:</p> <ul style="list-style-type: none"> - Russian olive - Common Periwinkle - Salt cedar/ Tamarisk - Siberian elm 	<p>Contain to southern portion of IPMA:</p> <p style="text-align: center;">Common tansy</p>
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ESTABLISHED (BIOCONTROL OR SITE-SPECIFIC APPROACH) – Widespread species that are beyond landscape-level control or have relatively low impact. May have biocontrol (BC) available. Treat based on land management objectives.

<ul style="list-style-type: none"> - Annual sow thistle - Bull thistle (BC) - Burdock - Canada thistle (BC) - Chicory - Common comfrey - Curled dock - Dalmatian toadflax (BC) 	<ul style="list-style-type: none"> - Diffuse knapweed (BC) - Hawkweed spp. - Hound's tongue (BC) - Knapweed spp. (BC) - Meadow goat's beard - Orange hawkweed - Oxeye daisy - Perennial sow thistle 	<ul style="list-style-type: none"> - Sow thistle spp - Spotted knapweed (BC) - St. John's Wort (BC) - Sulphur cinquefoil - Western goat's beard - Wormwood - Yellow hawkweeds - Yellow/common toadflax
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INSUFFICIENT INFORMATION – There is a lack of information on the distribution, impacts and potential for spread and/or control of the following species. Some of these species may appear in other categories (since their distribution is relatively well understood) but they also appear in this category because further information is still required.

<ul style="list-style-type: none"> - Bachelor's button - Bittersweet nightshade - Black locust - Brown knapweed - Creeping buttercup - Dame's rocket - Eyebright 	<ul style="list-style-type: none"> - Field bindweed - Flat peavine - Garlic mustard - Greater celandine - Green foxtail - Hairy cat's ear - Himalayan blackberry 	<ul style="list-style-type: none"> - Lady's thumb - Night-flowering catchfly - Poison hemlock - Queen Anne's Lace - Scentless chamomile (BC) - Tall/ meadow buttercup
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Golden IPMA Priority Species List

EDRR WATCHLIST - Not currently known in this IPMA (and may also not be known in the CSISS region*). Follow EDRR reporting and action protocols. Bolded species are Proposed Prohibited EDRR for the province.		
<ul style="list-style-type: none"> - Black henbane - Black knapweed - Buffalobur* - Bur chervil* - Colt's foot* - Common bugloss* - Common crupina - Common reed - Dyer's woad - Field scabious - Flowering rush* - Fragrant water lily - Giant hogweed - Gorse* 	<ul style="list-style-type: none"> - Greater knapweed* - Leafy spurge - Longspine sandbur* - Marsh plume thistle - Meadow goat's beard - Meadow knapweed - Mouse-ear hawkweed - Nodding thistle* - Perennial pepperweed - Plumeless thistle* - Puncturevine* - Purple loosestrife - Rush skeletonweed 	<ul style="list-style-type: none"> - Russian knapweed - Scotch broom - Scotch thistle - Squarrose knapweed - Syrian beancaper - Tansy ragwort* - Teasel - Velvet leaf - Wild chervil - Wild Four O'Clock* - Wood sage* - Yellow starthistle - Yellow flag-iris
ERADICATION or ANNUAL CONTROL – Species known in IPMA but with very limited distribution. Enter inventory data, report and treat or monitor annually. Some of these species have biocontrol (BC) available.		
<ul style="list-style-type: none"> - ALL containment species OUTSIDE their containment lines (see next section) - Baby's breath - Big head knapweed - Blueweed 	<ul style="list-style-type: none"> - Caraway - Common Tansy - Cypress spurge - Diffuse knapweed (BC) - Hoary alyssum - Hoary cress - Knapweed spp. 	<ul style="list-style-type: none"> - Knotweeds - Policeman's helmet - Scentless chamomile (BC) - Short-fringed knapweed - Spotted knapweed (BC) - Yellow archangel/ lamium
CONTAINMENT – Enter inventory data, report and treat all sites outside containment lines. Some of these species have biocontrol (BC) available which can be used within the containment line.		
<p>Contain to gardens:</p> <ul style="list-style-type: none"> - Butterfly bush - English Ivy 	<ul style="list-style-type: none"> - Goutweed - Japanese butterbur - Russian olive 	<ul style="list-style-type: none"> - Common Periwinkle - Salt cedar/ Tamarisk - Siberian elm
ESTABLISHED (BIOCONTROL OR SITE-SPECIFIC APPROACH) – Widespread species that are beyond landscape-level control or have relatively low impact. May have biocontrol (BC) available. Treat based on land management objectives.		
<ul style="list-style-type: none"> - Annual sow thistle - Bull thistle (BC) - Burdock - Canada thistle (BC) - Chicory - Common comfrey 	<ul style="list-style-type: none"> - Curled dock - Dalmatian toadflax (BC) - Hawkweed spp. - Hound's tongue (BC) - Oxeye daisy 	<ul style="list-style-type: none"> - Perennial sow thistle - Sow thistle spp - Western goat's beard - Yellow hawkweeds - Yellow/common toadflax
INSUFFICIENT INFORMATION – There is a lack of information on the distribution, impacts and potential for spread and/or control of the following species. Some of these species may appear in other categories (since their distribution is relatively well understood) but they also appear in this category because further information is still required.		
<ul style="list-style-type: none"> - Bachelor's button - Bittersweet nightshade - Black locust - Brown knapweed - Creeping buttercup - Dame's rocket - Eyebright - Field bindweed 	<ul style="list-style-type: none"> - Flat peavine - Garlic mustard - Greater celandine - Green foxtail - Hairy cat's ear - Himalayan blackberry - Lady's thumb - Night-flowering catchfly 	<ul style="list-style-type: none"> - Orange hawkweed - Poison hemlock - Queen Anne's Lace St. John's Wort (BC) - Sulphur cinquefoil - Tall buttercup - Wormwood

Appendix 1: 2018 Priority Plant Data from IAPP

Revelstoke IPMA IAPP Data as of January 15, 2018:

Priority Level and Species	Number of Sites	Sum of Estimated Area
0 – No priority level assigned		
Annual hawksbeard (CREP TEC)	1	0.01
Cudweed (GNAP ULI)	2	0.094
Shepherd's-purse (CAPS BUR)	1	0.0005
Wild buckwheat (POLY CON)	1	0.0006
1 – Regional EDRR		
Baby's breath (GYPS PAN)	2	0.0003
Bighead knapweed (CENT MAC)	1	0.0001
Caraway (CARU CAR)	2	0.4001
Scotch broom (CYTI SCO)	1	0
2 – Eradication/Annual Control		
Black knapweed (CENT NIG)	4	0.002
Blueweed (ECHI VUL)	12	5.8037
Bohemian knotweed (FALL BOH)	134	1.4051
Giant knotweed (FALL SAC)	1	0.045
Hoary alyssum (BERT INC)	7	0.2346
Japanese knotweed (FALL JAP)	21	1.1926
Leafy spurge (EUPH ESU)	12	0.4081
Marsh plume thistle/Marsh thistle (CIRS PAL)	2	2.5
Policeman's helmet / himalayan balsam (IMPA GLA)	38	1.5131
Wild chervil (ANTH SYL)	2	1.06
Yellow archangel (LAMI GAL)	3	0.1105
Yellow iris (IRIS PSE)	1	0
3 – Containment		
Common periwinkle (VINC MIN)	2	0.0305
Common tansy (TANA VUL)	228	929.1075
Goutweed / bishop's weed (AEGO POD)	1	0.03
4 – Established / Biocontrol		
Annual sow thistle (SONC OLE)	3	0.2061
Bull thistle (CIRS VUL)	54	4.1144
Burdock species (ARCT SPP)	34	1.0358
Canada thistle (CIRS ARV)	118	27.5469
Chicory (CICH INT)	31	34.9603
Curled dock (RUME CRI)	5	0.4041
Dalmatian toadflax (LINA DAL)	4	0.511
Diffuse knapweed (CENT DIF)	19	-7.4802
King devil hawkweed (HIER FLO)	12	2.25
Meadow hawkweed (HIER CAE)	35	38.7395
Meadow knapweed (CENT DEB)	1	0.4
Orange hawkweed (HIER AUR)	157	27.5941
Oxeye daisy (LEUC VUL)	241	101.9941
Perennial sow thistle (SONC ARV)	90	33.7341
Queen devil hawkweed (HIER PRE)	15	1.4605

Sowthistle species (SONC SPP)	4	0.41
Spotted hawkweed (HIER MAC)	1	0.001
Spotted knapweed (CENT BIE)	245	78.8439
St. John's wort/Saint John's wort/ Goatweed (HYPE PER)	61	31.1726
Sulphur cinquefoil (POTE REC)	3	0.0154
Tall hawkweed (HIER OID)	11	3.7542
Western goat's-beard (TRAG DUB)	5	0.001
Whiplash hawkweed (HIER FLA)	37	15.1306
Wormwood (ARTE ABS)	1	0.4
Yellow devil hawkweed (HIER GLO)	9	0.3805
Yellow hawkweed (HIER PRA)	149	12.3533
Yellow hawkweed species (HIER SPP)	95	33.3912
Yellow/common toadflax (LINA VUL)	4	0.5348
5 – Insufficient Information		
Black locust (ROBI PSE)	2	0.006
Brown knapweed (CENT JAC)	1	0.0012
Creeping buttercup (RANU REP)	1	0.005
Dame's rocket (HESP MAT)	1	0.0001
Eyebright (EUPH NEM)	6	0.1315
Field bindweed (CONV ARV)	2	0.02
Flat pea / flat peavine (LATH SYL)	12	0.6219
Greater celandine (CHEL MAJ)	1	0.0001
Green foxtail / green bristlegrass (SETA VIR)	1	0.0025
Hairy cat's-ear (HYPO RAD)	3	0.5004
Himalayan blackberry (RUBU ARM)	8	0.1586
Lady's-thumb (POLY PER)	1	0.01
Meadow buttercup (RANU ACR)	19	9.4581
Nightshade (SOLA SPP)	2	0.0011
Queen anne's lace / wild carrot (DAUC CAR)	1	0.3
Scentless chamomile (MATR PER)	4	1.0092
6 – Unlisted Species of Lowest Priority		
Bladder campion (SILE VUL)	8	0.0724
Groundsel (SENE VUL)	2	4.5
Mullein (VERB THA)	23	7.5415
Sheep sorrel (RUME ACE)	2	0.0064
White cockle (LYCH ALB)	4	1.0027
AIS – Aquatic Species		
Eurasian watermilfoil (MYRI SPI)	2	0.55
Grand Total	2029	1413.7062

Golden IPMA IAPP Data as of January 15, 2018:

Priority Level and Species	Number of Sites	Sum of Estimated Area
1 – Regional EDRR		
Common bugloss (ANCH OFF)	0.0001	1
Leafy spurge (EUPH ESU)	0.0012	2
Meadow goats-beard (TRAG PRA)	0.0034	3
Meadow knapweed (CENT DEB)	0.0021	3
Purple loosestrife (LYTH SAL)	0.0005	1
Scotch thistle (ONOP ACA)	0.0054	2
Teasel (DIPS FUL)	0.0001	1
2 – Eradication/Annual Control		
Baby's breath (GYPS PAN)	4.853	13
Bighead knapweed (CENT MAC)	0.0001	1
Blueweed (ECHI VUL)	0.0214	5
Bohemian knotweed (FALL BOH)	0.0063	5
Caraway (CARU CAR)	0	1
Diffuse knapweed (CENT DIF)	4.8527	22
Giant knotweed (FALL SAC)	0.0001	1
Hoary alyssum (BERT INC)	1	1
Hoary cress (CARD DRA)	0.005	1
Knapweed species (CENT SPP)	0.214	4
Policeman's helmet / himalayan balsam (IMPA GLA)	0.012	4
Scentless chamomile (MATR PER)	0.001	2
Short-fringed knapweed (CENT NIR)	0.016	1
Spotted knapweed (CENT BIE)	131.0489	324
3 – Containment		
Goutweed / bishop's weed (AEGO POD)	0.5	1
4 – Established / Biocontrol		
Annual sow thistle (SONC OLE)	0.0003	1
Bull thistle (CIRS VUL)	2.5094	30
Burdock species (ARCT SPP)	31.2117	104
Canada thistle (CIRS ARV)	63.4689	106
Chicory (CICH INT)	0.8029	10
Common comfrey (SYMP OFF)	0.0032	2
Dalmatian toadflax (LINA DAL)	-0.8453	10
Hound's-tongue (CYNO OFF)	4.9964	24
King devil hawkweed (HIER FLO)	0.2055	3
Meadow hawkweed (HIER CAE)	0.01	1
Oxeye daisy (LEUC VUL)	15.1755	87
Perennial sow thistle (SONC ARV)	0.048	5
Queen devil hawkweed (HIER PRE)	0.5183	7
Sowthistle species (SONC SPP)	3.1095	26
Tall hawkweed (HIER OID)	0.002	1
Western goat's-beard (TRAG DUB)	22.7197	69
Whiplash hawkweed (HIER FLA)	0.0025	2
Yellow devil hawkweed (HIER GLO)	0.5	1
Yellow hawkweed (HIER PRA)	1.8085	17

Yellow hawkweed species (HIER SPP)	0.7567	9
Yellow/common toadflax (LINA VUL)	8.6243	70
5 – Insufficient Information		
Dame's rocket (HESP MAT)	0.003	1
Eyebright (EUPH NEM)	0.0714	7
Field bindweed (CONV ARV)	0.0025	1
Flat pea / flat peavine (LATH SYL)	0.2	1
Green foxtail / green bristlegass (SETA VIR)	0.011	3
Meadow buttercup (RANU ACR)	0.0017	7
Orange hawkweed (HIER AUR)	0.701	19
Queen anne's lace / wild carrot (DAUC CAR)	0.0015	1
St. John's wort/Saint John's wort/ Goatweed (HYPE PER)	0.1128	5
Sulphur cinquefoil (POTE REC)	0.4582	6
Wormwood (ARTE ABS)	1.3356	19
6 – Unlisted Species of Lowest Priority		
Bladder campion (SILE VUL)	2.6321	24
Groundsel (SENE VUL)	0.1	1
Mullein (VERB THA)	28.5718	51
Sheep sorrel (RUME ACE)	0.341	3
1+ - Provincial EDRR		
Perennial pepperweed (LEPI LAT)	0	1
Grand Total	332.7149	1134

Salmon Arm IPMA IAPP Data as of January 15, 2018:

Priority Level and Species	Number of Sites	Sum of Estimated Area
0 – No Priority Level assigned		
Watercress (NAST OFF)	2	0.0075
0 Total	2	0.0075
1 – Regional EDRR		
Baby's breath (GYPS PAN)	1	0.004
Bur chervil (ANTH CAU)	1	0
Puncturevine (TRIB TER)	1	0
1 Total	3	0.004
2 – Eradication/Annual Control		
Bighead knapweed (CENT MAC)	3	0.0003
Black knapweed (CENT NIG)	4	2.0702
Blueweed (ECHI VUL)	63	7.4981
Bohemian knotweed (FALL BOH)	112	0.7975
Cypress spurge (EUPH CYP)	3	0.23
Field scabious (KNAU ARV)	4	0.1035
Fragrant water lily (NYMP ODO)	1	0.27
Giant hogweed (HERA MAN)	1	0.0009
Himalayan blackberry (RUBU ARM)	18	0.5998
Japanese knotweed (FALL JAP)	29	1.4772
Leafy spurge (EUPH ESU)	15	198.1243
Marsh plume thistle/Marsh thistle (CIRS PAL)	27	5.4915
Meadow knapweed (CENT DEB)	26	2.9691
Policeman's helmet / himalayan balsam (IMPA GLA)	29	1.6534
Purple loosestrife (LYTH SAL)	12	0.0563
Rush skeletonweed (CHON JUN)	37	1.0037
Scotch broom (CYTI SCO)	2	0
Scotch thistle (ONOP ACA)	10	4.4708
Short-fringed knapweed (CENT NIR)	3	0.1001
Teasel (DIPS FUL)	12	0.6202
Wild chervil (ANTH SYL)	2	0.202
Yellow archangel (LAMI GAL)	5	0.109
2 Total	418	227.8479
3 – Containment		
Common periwinkle (VINC MIN)	2	0.0021
Common tansy (TANA VUL)	349	34.7383
English ivy (HEDE HEL)	1	0.0005
Russian olive (ELAE ANG)	4	0.02
Saltcedar / tamarisk (TAMA RAM)	3	0.0019
Yellow iris (IRIS PSE)	14	0.2493
3 Total	373	35.0121
4 – Established / Biocontrol		
Annual sow thistle (SONC OLE)	7	1.2841
Bull thistle (CIRS VUL)	174	780.1045
Burdock species (ARCT SPP)	108	84.9714
Canada thistle (CIRS ARV)	84	107.4824

Chicory (CICH INT)	108	19.6629
Common comfrey (SYMP OFF)	3	0.0106
Curled dock (RUME CRI)	5	0.0572
Dalmatian toadflax (LINA DAL)	60	133.6544
Diffuse knapweed (CENT DIF)	141	1853.884
Hoary alyssum (BERT INC)	211	42.6774
Hound's-tongue (CYNO OFF)	221	2390.9406
Knapweed species (CENT SPP)	164	710.6479
Meadow hawkweed (HIER CAE)	14	1.7804
Nightshade (SOLA SPP)	48	3.758
Orange hawkweed (HIER AUR)	222	50.4311
Oxeye daisy (LEUC VUL)	205	113.6447
Perennial sow thistle (SONC ARV)	7	1.0285
Poison hemlock (CONI MAC)	3	0.4676
Queen anne's lace / wild carrot (DAUC CAR)	7	0.1249
Queen devil hawkweed (HIER PRE)	32	11.178
Sowthistle species (SONC SPP)	15	3.1488
Spotted knapweed (CENT BIE)	733	3094.8755
St. John's wort/Saint John's wort/ Goatweed (HYPE PER)	80	39.2904
Sulphur cinquefoil (POTE REC)	698	1428.7604
Tall hawkweed (HIER OID)	5	33.501
Western goat's-beard (TRAG DUB)	56	24.0113
Whiplash hawkweed (HIER FLA)	16	37.6151
Wormwood (ARTE ABS)	3	0.0106
Yellow hawkweed (HIER PRA)	66	22.223
Yellow hawkweed species (HIER SPP)	248	30.5924
Yellow/common toadflax (LINA VUL)	19	3.2578
4 Total	3763	11025.0769
5 – Insufficient Information		
Bachelor's button (CENT CYA)	1	0.0001
Brown knapweed (CENT JAC)	3	0.09
Creeping buttercup (RANU REP)	5	0.0234
Dame's rocket (HESP MAT)	5	2.0115
Eyebright (EUPH NEM)	7	0.0116
Field bindweed (CONV ARV)	4	0.0241
Flat pea / flat peavine (LATH SYL)	10	0.2825
Lady's-thumb (POLY PER)	1	0.0001
Meadow buttercup (RANU ACR)	8	0.1059
Night-flowering catchfly (SILE NOC)	1	0.0001
Russian knapweed (ACRO REP)	5	19.0366
Scentless chamomile (MATR PER)	9	0.2065
5 Total	59	21.7924
6 – Unlisted Species of Lowest Priority		
Bladder campion (SILE VUL)	16	13.3942
Groundsel (SENE VUL)	1	0.0001
Mullein (VERB THA)	78	42.2091
White cockle (LYCH ALB)	16	0.0075
6 Total	111	55.6109

AIS – Aquatic Species		
Curly leaf pondweed (POTA CRI)	1	243
Eurasian watermilfoil (MYRI SPI)	4	569.45
AIS Total	5	812.45
Grand Total	4734	12177.8017