

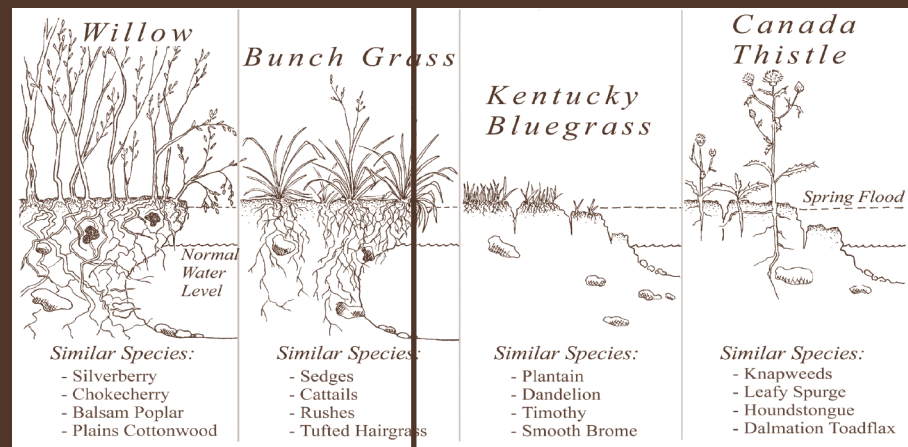
Invasive Weed & Disturbance-caused Undesirable Plant List



Purpose of This List

This invasive weed and disturbance-caused undesirable herbaceous species list is used by the Cows and Fish staff and others to complete riparian health assessments and inventories. This list is a tool that landowners, resource managers, and communities can use in understanding riparian health assessments and examining their own riparian areas.

A comprehensive list of invasive weeds and disturbance-caused species is necessary for riparian inventory and assessment. In order to accurately determine the health of a riparian area, those completing the assessments need to know which species in the native plant community would be present with natural disturbance and which would not. Weeds and disturbance species may be vigorous competitors that prevent a healthy, native riparian plant community from providing important riparian functions such as sediment trapping, bank stabilization, and filtration.



Weeds and disturbance-caused plants lack the deep binding roots of native riparian plants. This results in unstable banks and increased erosion.

About This List

The list of designated weeds (prohibited noxious and noxious) is based on the Weed Designation Regulations of the **Weed Control Act of Alberta**, most current at the time this list was created. This list was generated to create a consistent list for Alberta, so if you plan to add species or modify this list, be sure to talk to other plant community and riparian experts in the area first. Individual counties and municipal districts occasionally have by-laws that rate the regulated species (prohibited noxious and noxious) more stringently. Contact a local agricultural representative to confirm weed designations in your area. Contact the Queen's Printer Bookstore (Edmonton or Calgary) for up-to-date copies of acts or regulations. This invasive weed and disturbance-caused species list was developed in conjunction with information from the Alberta Weed Designation Regulations and extensive experience and testing by Cows and Fish team members and Alberta Agriculture and Forestry. There may be other invasive or disturbance-caused species or you may find that some species respond differently to disturbance, depending upon the region you are working in.

How to Read the Species Table

Species Code (in the species table) refers to the seven letter code used to record the Latin (scientific) name of a species during riparian health assessments and inventories. The first four letters are usually composed of the beginning of the genus, while the last three letters of the code are the start of the species name. If the genus is only three letters, then four letters are taken from the species portion. These codes are used for consistency and speed of data collection. If you are unfamiliar with the codes or scientific name, ensure that whatever common name you use is verified with a scientific name at a later date, since common names tend to be more variable (and less common) than you might think.

Regulated Category refers to the designation given weeds (prohibited noxious or noxious) under the Weed Designation Regulations.

Based on the Weed Designation Regulation (**Weed Control Act**) in Alberta:

- ◆ **Prohibited noxious** weeds are indicated by '1'. Because of the serious management implications these species pose, they are indicated by **bold**;
- ◆ **Noxious weeds** are indicated by '2'
- ◆ Species that are not regulated are indicated by '0'

Riparian Health Plant Category refers to the *suggested categorization of these plants for riparian health assessment and inventory purposes*. Two plant categories are important in riparian health assessments/inventories:

- ◆ **Invasive species** are indicated by 'I'. Invasive species include all prohibitive noxious species, most noxious species, and a few nuisance species.
- ◆ **Disturbance-caused undesirable herbaceous species** are indicated by 'D'. They include mostly nuisance weed species and some noxious weed species, as well as native species that increase with disturbance in riparian areas.

Species Code	Latin Name	Common Name	Regulated Category*	Riparian Health Plant Category ^x
AEGICYL	<i>Aegilops cylindrica</i>	jointed goatgrass	1	I
ALLIPET	<i>Alliaria petiolata</i>	garlic mustard	1	I
ARCTLAP	<i>Arctium lappa</i>	great burdock	2	I
ARCTMIN	<i>Arctium minus</i>	common burdock/lesser burdock	2	I
ARCTTOM	<i>Arctium tomentosum</i>	woolly burdock	2	I
BERBVUL	<i>Berberis vulgaris</i>	common barberry	1	I
BERTINC	<i>Berteroia incana</i>	hoary alyssum	1	I
BROMJAP	<i>Bromus japonicus</i>	Japanese brome/ Japanese chess	2	I
BROMTEC	<i>Bromus tectorum</i>	downy brome/downy chess	2	I
BUTOUMB	<i>Butomus umbellatus</i>	flowering rush	1	I
CAMPRAP	<i>Campanula rapunculoides</i>	creeping bellflower/ garden bluebell	2	I
CARAARB	<i>Caragana arborescens</i>	common caragana	0	I
CARDACA	<i>Carduus acanthoides</i>	plumeless thistle	1	I
CARDNUT	<i>Carduus nutans</i>	nodding thistle	1	I
CENTDIF	<i>Centaurea diffusa</i>	diffuse knapweed	1	I
CENTJAC	<i>Centaurea jacea</i>	brown knapweed	1	I
CENTMAR	<i>Centaurea macrocephala</i>	bighead knapweed	1	I
CENTMON	<i>Centaurea x monkktionii</i>	meadow knapweed	1	I
CENTNIG	<i>Centaurea nigra</i>	black knapweed	1	I

CENTNIR	<i>Centaurea nigrescens</i>	Tyrol knapweed	1	I
CENTPSA	<i>Centaurea x psammogena</i>	hybrid knapweed	1	I
CENTSOL	<i>Centaurea solstitialis</i>	yellow star thistle	1	I
CENTSTO	<i>Centaurea stoebe</i> (syn. <i>Centaurea maculosa</i>)	spotted knapweed	1	I
CENTVIR	<i>Centaurea virgata</i>	squarrose knapweed	1	I
CHONJUN	<i>Chondrilla juncea</i>	rush skeletonweed	1	I
CIRSARV	<i>Cirsium arvense</i>	Canada thistle	2	I
CIRSPAL	<i>Cirsium palustre</i>	marsh thistle	1	I
CLEMTAN	<i>Clematis tangutica</i>	yellow clematis	2	I
CONVARV	<i>Convolvulus arvensis</i>	field bindweed	2	I
CRUPVUL	<i>Crupina vulgaris</i>	common crupina	1	I
CUSCGRO	<i>Cuscuta gronovii</i>	common dodder	0	I
CYNOOFF	<i>Cynoglossum officinale</i>	hound's-tongue	2	I
CYPEESC	<i>Cyperus esculentus</i>	yellow nutsedge	1	I
DATUSTR	<i>Datura stramonium</i>	jimsonweed	0	I
ECHIVUL	<i>Echium vulgare</i>	blueweed/viper's-bugloss	2	I
ELAEANG	<i>Elaeagnus angustifolia</i>	Russian olive	0	I
ELAEUMB	<i>Elaeagnus umbellata</i>	autumn olive	1	I
EUPHCYP	<i>Euphorbia cyparissias</i>	cypress spurge	0	I
EUPHESU	<i>Euphorbia esula</i>	leafy spurge	2	I
FALLBOH	<i>Fallopia x bohémica</i> (syn. <i>Polygonum x bohémicum</i>)	hybrid Japanese knotweed	1	I
FALLJAP	<i>Fallopia japonica</i> (syn. <i>Polygonum cuspidatum</i>)	Japanese knotweed	1	I
FALLSAC	<i>Fallopia sachalinensis</i> (syn. <i>Polygonum sachalinensis</i>)	giant knotweed	1	I
GALIAPA	<i>Galium aparine</i>	cleavers	0	I
GALISPU	<i>Galium spurium</i>	false cleavers	0	I
GYSPAN	<i>Gypsophila paniculata</i>	common baby's-breath	2	I
HALOGLO	<i>Halogeton glomeratus</i>	saltlover	1	I
HERAMAN	<i>Heracleum mantagazzianum</i>	giant hogweed	1	I
HESPMAT	<i>Hesperis matronalis</i>	dame's rocket	2	I
HYOSNIG	<i>Hyoscyamus niger</i>	black henbane	2	I
HYPEPER	<i>Hypericum perforatum</i>	common St John's-wort	1	I
IMPAGLA	<i>Impatiens glandulifera</i>	Himalayan balsam	1	I
IRISPSE	<i>Iris pseudacorus</i>	pale yellow iris	1	I
ISATTIN	<i>Isatis tinctoria</i>	dyer's woad	1	I
JACOVUL	<i>Jacobaea vulgaris</i>	tansy ragwort	1	I
KNAUARV	<i>Knautia arvensis</i>	blue buttons/field scabious	2	I
LEPIAPP	<i>Lepidium appelianum</i> (syn. <i>Cardaria pubescens</i>)	globe-podded hoary cress	2	I
LEPICHA	<i>Lepidium chalepense</i> (syn. <i>Cardaria chalepensis</i>)	lens-podded hoary cress	2	I

LEPIDRA	<i>Lepidium draba</i> (syn. <i>Cardaria draba</i>)	heart-podded hoary cress	2	I
LEPILAT	<i>Lepidium latifolium</i>	broad-leaved pepper-grass	2	I
LEUCVUL	<i>Leucanthemum vulgare</i> (syn. <i>Chrysanthemum leucanthemum</i>)	ox-eye daisy	2	I
LINADAL	<i>Linaria dalmatica</i>	Dalmatian toadflax/ broad-leaved toadflax	2	I
LINAVUL	<i>Linaria vulgaris</i>	yellow toadflax/butter-and-eggs	2	I
LOLIPES	<i>Lolium persicum</i>	Persian darnel	0	I
LYTHSAL	<i>Lythrum salicaria</i>	purple loosestrife	1	I
MYRISPI	<i>Myriophyllum spicatum</i>	Eurasian water milfoil	1	I
ODONVEM	<i>Odontites vemus</i> (syn. <i>Odontites serotina</i>)	late-flowering eyebright/red bartsia	1	I
PILOAUR	<i>Pilosella aurantiaca</i> (syn. <i>Hieracium aurantiacum</i>)	orange hawkweed	1	I
PILOCAE	<i>Pilosella caespitosa</i> (syn. <i>Hieracium caespitosum</i>)	meadow hawkweed	1	I
PILOPIL	<i>Pilosella piloselloides</i> (syn. <i>Hieracium pilosella</i>)	mouse-ear hawkweed	1	I
POTEREC	<i>Potentilla recta</i>	sulphur/rough-fruited cinquefoil	1	I
RANUACR	<i>Ranunculus acris</i>	tall buttercup	2	I
RHAMCAT	<i>Rhamnus catharticus</i>	European (common) buckthorn	1	I
RHAPREP	<i>Rhaponticum repens</i> (syn. <i>Centaurea repens</i>)	Russian knapweed	1	I
SILELAT	<i>Silene latifolia</i> (syn. <i>S. pratensis</i>)	white cockle	2	I
SONCARV	<i>Sonchus arvensis</i>	perennial sow-thistle	2	I
TAENCAP	<i>Taeniatherum caput-medusae</i>	medusahead	1	I
TAMACHI	<i>Tamarix chinensis</i>	Chinese tamarisk	1	I
TAMAPAR	<i>Tamarix parviflora</i>	smallflower tamarisk	1	I
TAMARAM	<i>Tamarix ramosissima</i>	saltcedar	1	I
TANAVUL	<i>Tanacetum vulgare</i>	common tansy	2	I
TRIBTER	<i>Tribulus terrestris</i>	puncturevine	1	I
TRIPINO	<i>Tripleurospermum inodorum</i> (syn. <i>Matricaria perforata</i>)	scentless chamomile	2	I
VERBTHA	<i>Verbascum thapsus</i>	common mullein	2	I
VICICRA	<i>Vicia cracca</i>	tufted vetch	0	I
AGROCRI	<i>Agropyron cristatum</i> (syn. <i>Agropyron pectiniforme</i>)	crested wheatgrass	0	D
AMARRET	<i>Amaranthus retroflexus</i>	red-root pigweed	0	D
ANTEALP	<i>Antennaria alpina</i>	alpine everlasting	0	D
ANTEANA	<i>Antennaria anaphaloides</i>	tall everlasting	0	D
ANTEAPR	<i>Antennaria aprica</i>	low everlasting	0	D
ANTEARO	<i>Antennaria aromatica</i>	scented everlasting	0	D

ANTECOR	<i>Antennaria corymbosa</i>	corymbose everlasting	0	D
ANTEDIM	<i>Antennaria dimorpha</i>	cushion everlasting	0	D
ANTELAN	<i>Antennaria lanata</i>	woolly everlasting	0	D
ANTELUZ	<i>Antennaria luzuloides</i>	silvery everlasting	0	D
ANTEMON	<i>Antennaria monocephala</i>	one-headed everlasting	0	D
ANTENEG	<i>Antennaria neglecta</i>	broad-leaved everlasting	0	D
ANTEPAR	<i>Antennaria parvifolia</i>	small-leaved everlasting	0	D
ANTEPUL	<i>Antennaria pulcherrima</i>	showy everlasting	0	D
ANTERAC	<i>Antennaria racemosa</i>	racemose everlasting	0	D
ANTEROS	<i>Antennaria rosea</i>	rosy everlasting	0	D
ANTEUMB	<i>Antennaria umbrinella</i>	brown-bracted mountain everlasting	0	D
APOCAND	<i>Apocynum androsaemifolium</i>	spreading dogbane	0	D
AVENFAT	<i>Avena fatua</i>	wild oat	0	D
AVENSAT	<i>Avena sativa</i>	cultivated oat	0	D
BRASCAM	<i>Brassica campestris</i>	rape	0	D
BRASNAP	<i>Brassica napus</i> var. <i>napus</i>	Argentine canola/rape	0	D
BRASRAP	<i>Brassica rapa</i>	Polish canola	0	D
BROMINE	<i>Bromus inermis</i>	smooth brome	0	D
CAPSBUR	<i>Capsella bursa-pastoris</i>	shepherd's-purse	0	D
CERAARV	<i>Cerastium arvense</i>	field mouse-ear chickweed	0	D
CERANUT	<i>Cerastium nutans</i>	long-stalked mouse-ear chickweed	0	D
CERAVUL	<i>Cerastium vulgatum</i>	common mouse-ear chickweed	0	D
CHELMAJ	<i>Chelidonium majus</i>	celandine	0	D
CHENALB	<i>Chenopodium album</i>	lamb's-quarters	0	D
CONVSEP	<i>Convolvulus sepium</i>	wild morning-glory	0	D
CREPTEC	<i>Crepis tectorum</i>	annual hawk's-beard	0	D
DESCPIN	<i>Descurainia pinnata</i>	green tansy mustard	0	D
DESCSOP	<i>Descurainia sophia</i>	tansy mustard; flixweed	0	D
ELYMREP	<i>Elymus repens</i> (syn. <i>Agropyron repens</i>)	quackgrass	0	D
ERODCIC	<i>Erodium cicutarium</i>	stork's-bill	0	D
ERUCGAL	<i>Erucastrum gallicum</i>	dog mustard	0	D
ERYSCHE	<i>Erysimum cheiranthoides</i>	wormseed mustard	0	D
FAGOTAR	<i>Fagopyrum tartaricum</i>	tartary buckwheat	0	D
FALLCON	<i>Fallopia convolvulus</i> (syn. <i>Polygonum convolvulus</i>)	wild buckwheat	0	D
FRAGVES	<i>Fragaria vesca</i>	woodland strawberry	0	D
FRAGVIR	<i>Fragaria virginiana</i>	wild strawberry	0	D
GALETET	<i>Galeopsis tetrahit</i>	hemp-nettle	0	D
HORDBRA	<i>Hordeum brachyantherum</i>	meadow barley	0	D
HORDJUB	<i>Hordeum jubatum</i>	foxtail barley	0	D
HORDVUL	<i>Hordeum vulgare</i>	cultivated barley	0	D
LAMIAMP	<i>Lamium amplexicaule</i>	henbit	0	D

LAPPSQU	<i>Lappula squarrosa</i>	bluebur	0	D
MALVROT	<i>Malva rotundifolia</i>	round-leaved mallow	0	D
MEDILUP	<i>Medicago lupulina</i>	black medick	0	D
MELIALB	<i>Melilotus alba</i>	white sweet-clover	0	D
MELIOFF	<i>Melilotus officinalis</i>	yellow sweet-clover	0	D
NESLPAN	<i>Neslia paniculata</i>	ball mustard	0	D
PHLEPRA	<i>Phleum pratense</i>	timothy	0	D
PISUSAT	<i>Pisum sativum</i>	field peas	0	D
PLANMAJ	<i>Plantago major</i>	common plantain	0	D
POACOMP	<i>Poa compressa</i>	Canada bluegrass	0	D
POAPRAT	<i>Poa pratensis</i>	Kentucky bluegrass	0	D
POLYPER	<i>Polygonum persicaria</i>	lady's-thumb	0	D
POTEANS	<i>Potentilla anserina</i>	silverweed	0	D
POTENOR	<i>Potentilla norvegica</i>	rough cinquefoil	0	D
RAPHRAP	<i>Raphanus raphanistrum</i>	wild radish	0	D
SALSKAL	<i>Salsola kali</i>	Russian-thistle	0	D
SCLEANN	<i>Scleranthus annuus</i>	knawel	0	D
SECACER	<i>Secale cereale</i>	rye cereal	0	D
SETAVIR	<i>Setaria viridis</i>	green foxtail	0	D
SILECSE	<i>Silene cserei</i>	smooth catchfly	0	D
SILECUC	<i>Silene cucubalus</i>	bladder campion	0	D
SILENOC	<i>Silene noctiflora</i>	night-flowering catchfly	0	D
SINAARV	<i>Sinapsis arvensis</i> (syn. <i>Brassica kabera</i>)	wild mustard	0	D
SONCOLE	<i>Sonchus oleraceus</i>	annual sow-thistle	0	D
SPERARV	<i>Spergula arvensis</i>	corn spurry	0	D
STELMED	<i>Stellaria media</i>	common chickweed	0	D
TARAOFF	<i>Taraxacum officinale</i>	common dandelion	0	D
THLAARV	<i>Thlapsi arvense</i>	stinkweed	0	D
TRIFAU	<i>Trifolium aureum</i>	yellow clover	0	D
TRIFHYB	<i>Trifolium hybridum</i>	alsike clover	0	D
TRIFPRA	<i>Trifolium pratense</i>	red clover	0	D
TRIFREP	<i>Trifolium repens</i>	white clover	0	D
TRITAES	<i>Triticum aestivum</i>	common wheat	0	D
TRITRIM	<i>X Triticosecale rimpau</i>	triticale	0	D
VACCPYR	<i>Vaccaria pyramidata</i>	cow cockle	0	D

+ Regulated refers to these categories: 0 - not regulated; 1 - prohibited noxious; 2 - noxious

x Indicates suggested categorization of the species in riparian health assessment/inventories:

I - invasive species; D - disturbance-caused undesirable species

NOTE: Other non-native or agronomic species may be 'D' too, but are not listed here. If you find a species that is not listed here but should be considered in riparian health assessment or inventory, record it and note that it was included.



Working with producers and communities on riparian awareness

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Cows and Fish Partners
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