

# Invertebrates in British Columbia that are Endangered, Threatened, or of Special Concern



"The Committee on the Status of Endangered Wildlife in Canada (COSEWIC) exists to provide Canadians and their governments with advice regarding the status of wildlife species that are nationally at risk of extinction or extirpation." - [www.cosewic.gc.ca](http://www.cosewic.gc.ca)

"The Species at Risk Act (SARA) is a federal law with three main goals: to prevent endangered or threatened species from becoming extinct or extirpated; to help in the recovery of endangered, threatened and extirpated species; and to manage species of special concern to help prevent them from becoming endangered or threatened." – [www.pc.gc.ca](http://www.pc.gc.ca)

"British Columbia has no stand-alone endangered species act. The provincial Wildlife Act protects virtually all vertebrate animals from direct harm, except as allowed by regulation (e.g., hunting or trapping). Legal designation as Endangered or Threatened under the Act increases the penalties for harming a species, and also enables the protection of habitat in a Critical Wildlife Management Area." - [www.env.gov.bc.ca](http://www.env.gov.bc.ca)

There are four different listing categories under SARA (and COSEWIC). As defined in section 2, the four categories are:

- Extirpated species: are species that no longer exists in the wild in Canada, but exists elsewhere in the wild.
- Endangered species: are species that face imminent extirpation or extinction.
- Threatened species: are species that are likely to become endangered if nothing is done to reverse the factors leading to its extirpation or extinction.
- Special concern: are species that may become threatened or endangered because of a combination of biological characteristics and identified threats.

In BC, species and ecological communities are assigned to one of three lists, based on their provincial Conservation Status Rank.

- Red-listed species: are Extirpated, Endangered, or Threatened in British Columbia.
- Blue-listed species: are of Special Concern (formerly Vulnerable)
- Yellow-listed species: are considered secure.

## Helpful Websites:

- [www.cosewic.gc.ca](http://www.cosewic.gc.ca) - COSEWIC main page
- [registrelep-sararegistry.gc.ca/](http://registrelep-sararegistry.gc.ca/) - the "Public Registry" has updates and information about what SARA does
- [laws-lois.justice.gc.ca/eng/acts/s-15.3/](http://laws-lois.justice.gc.ca/eng/acts/s-15.3/) - in depth definition of what the laws of SARA entail
- [www.env.gov.bc.ca/atrisk/toolintro.html](http://www.env.gov.bc.ca/atrisk/toolintro.html) - Ministry of Environment of BC's "Species and Ecosystem Explorer" tool

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River Jewelwing	<i>Calopteryx aequabilis</i>	Red			IO-CALAEQ
Emma's Dancer	<i>Argia emma</i>	Blue			IO-ARGEMM
Vivid Dancer	<i>Argia vivida</i>	Red	Special Concern		IO-ARGVIV
Prairie Bluet	<i>Coenagrion angulatum</i>	Blue			IO-COEANG
Familiar Bluet	<i>Enallagma civile</i>	Red			IO-ENACIV
Hagen's Bluet	<i>Enallagma hageni</i>	Blue			IO-ENAHAG
Plains Forktail	<i>Ischnura damula</i>	Red			IO-ISCDAM
Black Petaltail	<i>Tanypteryx hageni</i>	Blue			IO-TANHAG
Lance-tipped Darner	<i>Aeshna constricta</i>	Red			IO-AESCON
Pronghorn Clubtail	<i>Gomphus graslinellus</i>	Blue			IO-GOMGRA
Grappletail	<i>Octogomphus specularis</i>	Red			IO-OCTSPE
Olive Clubtail	<i>Stylurus olivaceus</i>	Red	Endangered		IO-STYOLI
Western River Cruiser	<i>Macromia magnifica</i>	Blue			IO-MACMAG
Beaverpond Baskettail	<i>Epitheca canis</i>	Blue			IO-EPICAN
Quebec Emerald	<i>Somatochlora brevicincta</i>	Blue			IO-SOMBRE
Forcipate Emerald	<i>Somatochlora forcipata</i>	Blue			IO-SOMFOR
Kennedy's Emerald	<i>Somatochlora kennedyi</i>	Blue			IO-SOMKEN
Western Pondhawk	<i>Erythemis collocata</i>	Blue			IO-ERYCOL
Twelve-spotted Skimmer	<i>Libellula pulchella</i>	Blue			IO-LIBPUL
Blue Dasher	<i>Pachydiplax longipennis</i>	Blue			IO-PACLON
Autumn Meadowhawk	<i>Sympetrum vicinum</i>	Blue			IO-SYMVIC
Black Saddlebags	<i>Tramea lacerata</i>	Red			IO-TRALAC
Badlands Tiger Beetle	<i>Cicindela decemnotata</i>	Red			IC-CICDEC
Dark Saltflat Tiger Beetle	<i>Cicindela parowana</i>	Red	Endangered	Endangered	IC-CICPAR
Sagebrush Tiger Beetle	<i>Cicindela pugetana</i>	Blue			IC-CICPUG
Audouin's Night-stalking Tiger Beetle	<i>Omus audouini</i>	Red	Threatened		IC-OMUAUD
Arctic Skipper, <i>mandan</i> subspecies	<i>Carterocephalus palaemon mandan</i>	Red			IL-CARPAL-MA
Silver-spotted Skipper	<i>Epargyreus clarus</i>	Blue			IL-EPACLA
Silver-spotted Skipper, <i>californicus</i> subspecies	<i>Epargyreus clarus californicus</i>	Red			IL-EPACLA-CA

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Silver-spotted Skipper, <i>clarus</i> subspecies	<i>Epargyreus clarus clarus</i>	Blue			IL-EPACLA-CL
Afranius Duskywing	<i>Erynnis afranius</i>	Red			IL-ERYAFR
Propertius Duskywing	<i>Erynnis propertius</i>	Red			IL-ERYPRO
Dun Skipper	<i>Euphyes vestris</i>	Red	Threatened	Threatened	IL-EUPVES
Assiniboine Skipper	<i>Hesperia assiniboia</i>	Red			IL-HESASS
Western Branded Skipper, <i>oregonia</i> subspecies	<i>Hesperia colorado oregonia</i>	Red	Endangered		IL-HESCOL-OR
Nevada Skipper	<i>Hesperia nevada</i>	Blue			IL-HESNEV
Common Sootywing	<i>Pholisora catullus</i>	Blue			IL-PHOCAT
Draco Skipper	<i>Polites draco</i>	Blue			IL-POLDRA
Sandhill Skipper	<i>Polites sabuleti</i>	Red			IL-POLSAB
Sonora Skipper	<i>Polites sonora</i>	Red	Special Concern	Special Concern	IL-POLSON
Tawny-edged Skipper, <i>themistocles</i> subspecies	<i>Polites themistocles themistocles</i>	Blue			IL-POLTHE-TH
Checkered Skipper	<i>Pyrgus communis</i>	Blue			IL-PYRCOM
Indra Swallowtail	<i>Papilio indra</i>	Red			IL-PAPIND
Old World Swallowtail, <i>dodi</i> subspecies	<i>Papilio machaon dodi</i>	Red			IL-PAPMAC-DO
Old World Swallowtail, <i>hudsonianus</i> subspecies	<i>Papilio machaon hudsonianus</i>	Red			IL-PAPMAC-HU
Old World Swallowtail, <i>pikei</i> subspecies	<i>Papilio machaon pikei</i>	Red			IL-PAPMAC-PI
Clodius Parnassian, <i>claudianus</i> subspecies	<i>Parnassius clodius claudianus</i>	Blue			IL-PARCLO-CL
Clodius Parnassian, <i>pseudogallatinus</i> subspecies	<i>Parnassius clodius pseudogallatinus</i>	Blue			IL-PARCLO-PS
Phoebus Parnassian	<i>Parnassius phoebus</i>	Red			IL-PARPHO
Rocky Mountain Parnassian, <i>olympiannus</i> subspecies	<i>Parnassius smintheus olympiannus</i>	Blue			IL-PARSMI-OL
Giant Sulphur, <i>gigantea</i> subspecies	<i>Colias gigantea gigantea</i>	Blue			IL-COLGIG-GI
Hecla Sulphur	<i>Colias hecla</i>	Red			IL-COLHEC
Mead's Sulphur	<i>Colias meadii</i>	Blue			IL-COLMEA
Pelidne Sulphur	<i>Colias pelidne</i>	Blue			IL-COLPEL
Large Marble, <i>insulanus</i> subspecies	<i>Euchloe ausonides insulanus</i>	Red	Extirpated	Extirpated	IL-EUCAUS-IN
Large Marble, <i>ogilvia</i> subspecies	<i>Euchloe ausonides ogilvia</i>	Blue			IL-EUCAUS-OG

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Green Marble	<i>Euchloe naina</i>	Blue			IL-EUCNAI
Margined White, <i>guppyi</i> subspecies	<i>Pieris marginalis guppyi</i>	Blue			IL-PIEMAR-GU
Spring White, <i>beringiensis</i> subspecies	<i>Pontia sisymbrii beringiensis</i>	Red			IL-PONSIS-BE
Immaculate Green Hairstreak	<i>Callophrys affinis</i>	Blue			IL-CALAFF
Western Pine Elfin, <i>sheltonensis</i> subspecies	<i>Callophrys eryphon sheltonensis</i>	Blue			IL-CALERY-SH
Johnson's Hairstreak	<i>Callophrys johnsoni</i>	Red			IL-CALJOH
Moss' Elfin, <i>mossii</i> subspecies	<i>Callophrys mossii mossii</i>	Blue			IL-CALMOS-MO
Eastern Pine Elfin	<i>Callophrys niphon</i>	Red			IL-CALNIP
Eastern Tailed Blue	<i>Cupido comyntas</i>	Blue			IL-CUPCOM
Dione Copper	<i>Lycaena dione</i>	Red			IL-LYCDIO
Edith's Copper	<i>Lycaena editha</i>	Red			IL-LYCEDI
Bronze Copper	<i>Lycaena hylus</i>	Blue			IL-LYCHYL
Lilac-bordered Copper	<i>Lycaena nivalis</i>	Blue			IL-LYCNIV
Anna's Blue, <i>vancouverensis</i> subspecies	<i>Plebejus anna vancouverensis</i>	Blue			IL-PLEANN-VA
Arctic Blue, <i>lacustris</i> subspecies	<i>Plebejus glandon lacustris</i>	Blue			IL-PLEGLA-LA
Boisduval's Blue, <i>blackmorei</i> subspecies	<i>Plebejus icarioides blackmorei</i>	Blue			IL-PLEICA-BL
Cranberry Blue	<i>Plebejus optilete</i>	Blue			IL-PLEOPT
Greenish Blue, <i>insulanus</i> subspecies	<i>Plebejus saepiolus insulanus</i>	Red	Endangered	Endangered	IL-PLESAE-IN
Behr's Hairstreak	<i>Satyrium behrii</i>	Red	Endangered	Threatened	IL-SATBEH
California Hairstreak	<i>Satyrium californica</i>	Blue			IL-SATCAL
Striped Hairstreak	<i>Satyrium liparops</i>	Red			IL-SATLIP
Half-moon Hairstreak	<i>Satyrium semiluna</i>	Red	Endangered	Endangered	IL-SATSEM
Coral Hairstreak, <i>titus</i> subspecies	<i>Satyrium titus titus</i>	Red			IL-SATTIT-TI
Mormon Metalmark	<i>Apodemia mormo</i>	Red	Endangered	Endangered	IL-APOMOR
Albert's Fritillary	<i>Boloria alberta</i>	Blue			IL-BOLALB
Astarte Fritillary, <i>distincta</i> subspecies	<i>Boloria astarte distincta</i>	Blue			IL-BOLAST-DI
Western Meadow Fritillary, <i>sigridae</i> subspecies	<i>Boloria epithore sigridae</i>	Blue			IL-BOLEPI-SI
Beringian Fritillary	<i>Boloria natazhati</i>	Blue			IL-BOLNAT
Common Wood-nymph, <i>incana</i> subspecies	<i>Cercyonis pegala incana</i>	Red			IL-CERPEG-IN

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Common Wood-nymph, <i>nephele</i> subspecies	<i>Cercyonis pegala nephele</i>	Blue			IL-CERPEG-NE
Hoffman's Checkerspot	<i>Chlosyne hoffmanni</i>	Red			IL-CHLHOF
Common Ringlet, <i>benjamini</i> subspecies	<i>Coenonympha tullia benjamini</i>	Blue			IL-COETUL-BE
Common Ringlet, <i>insulana</i> subspecies	<i>Coenonympha tullia insulana</i>	Red			IL-COETUL-IN
Monarch	<i>Danaus plexippus</i>	Blue	Special Concern	Special Concern	IL-DANPLE
Mt. McKinley Alpine	<i>Erebia mackinleyensis</i>	Red			IL-EREMAC
Magdalena Alpine	<i>Erebia magdalena</i>	Red			IL-EREMAG
Yellow-dotted Alpine	<i>Erebia pawloskii</i>	Red			IL-EREPAW
Edith's Checkerspot, <i>taylori</i> subspecies	<i>Euphydryas editha taylori</i>	Red	Endangered	Endangered	IL-EUPEDI-TA
Gillette's Checkerspot	<i>Euphydryas gillettii</i>	Red			IL-EUPGIL
Variegated Fritillary	<i>Euptoieta claudia</i>	Blue			IL-EUPCLA
Viceroy	<i>Limenitis archippus</i>	Red			IL-LIMARC
Alberta Arctic	<i>Oeneis alberta</i>	Red			IL-OENALB
Jutta Arctic, <i>alaskensis</i> subspecies	<i>Oeneis jutta alaskensis</i>	Blue			IL-OENJUT-AL
Jutta Arctic, <i>chermocki</i> subspecies	<i>Oeneis jutta chermocki</i>	Blue			IL-OENJUT-CH
Philip's Arctic	<i>Oeneis philipi</i>	Red			IL-OENPHI
Polixenes Arctic, <i>yukonensis</i> subspecies	<i>Oeneis polixenes yukonensis</i>	Red			IL-OENPOL-YU
Uhler's Arctic	<i>Oeneis uhleri</i>	Blue			IL-OENUHL
Tawny Crescent	<i>Phyciodes batesii</i>	Blue			IL-PHYBAT
Oreas Anglewing, <i>threatfuli</i> subspecies	<i>Polygonia oreas threatfuli</i>	Blue			IL-POLORE-TH
Aphrodite Fritillary, <i>manitoba</i> subspecies	<i>Speyeria aphrodite manitoba</i>	Blue			IL-SPEAPH-MA
Aphrodite Fritillary, <i>whitehousei</i> subspecies	<i>Speyeria aphrodite whitehousei</i>	Blue			IL-SPEAPH-WH
Great Spangled Fritillary, <i>pseudocarpenteri</i> subspecies	<i>Speyeria cybele pseudocarpenteri</i>	Red			IL-SPECYB-PS
Mormon Fritillary, <i>erinna</i> subspecies	<i>Speyeria mormonia erinna</i>	Red			IL-SPEMOR-ER
Mormon Fritillary, <i>eurynome</i> subspecies	<i>Speyeria mormonia eurynome</i>	Red			IL-SPEMOR-EU
Zerene Fritillary, <i>bremnerii</i> subspecies	<i>Speyeria zerene bremnerii</i>	Red			IL-SPEZER-BR
Edwards' Beach Moth	<i>Anarta edwardsii</i>	Red	Endangered	Endangered	IL-ANAEDW
Sand-verbena Moth	<i>Copablepharon fuscum</i>	Red	Endangered	Endangered	IL-COPFUS

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Olympia Oyster	<i>Ostrea conchaphila</i>	Blue	Special Concern	Special Concern	IM-OSTCON
Rocky Mountain Ridged Mussel	<i>Gonidea angulata</i>	Red	Endangered	Special Concern	IM-GONANG
Swamp Fingernailclam	<i>Musculium partumeium</i>	Red			IM-MUSPAR
Herrington Fingernailclam	<i>Sphaerium occidentale</i>	Red			IM-SPHOCC
Rocky Mountain Fingernailclam	<i>Sphaerium patella</i>	Red			IM-SPHPAT
Northern Abalone	<i>Haliotis kamtschatkana</i>	Red	Threatened	Threatened	IM-HALKAM
Barren Juga	<i>Juga hemphilli</i>	Red			IM-JUGHEM
Ashy Pebblesnail	<i>Fluminicola fuscus</i>	Red			IM-FLUFUS
Glossy Valvata	<i>Valvata humeralis</i>	Red			IM-VALHUM
Threeridge Valvata	<i>Valvata tricarinata</i>	Red			IM-VALTRI
Rocky Mountain Capshell	<i>Acroloxus coloradensis</i>	Blue	Not At Risk		IM-ACRCOL
Shortface Lanx	<i>Fisherola nuttalli</i>	Red			IM-FISNUT
Pygmy Fossaria	<i>Fossaria parva</i>	Blue			IM-FOSPAR
Attenuate Fossaria	<i>Fossaria truncatula</i>	Blue			IM-FOSTRU
	<i>Fossaria vancouverensis</i>	Red			IM-FOSVAN
Abbreviate Pondsnaill	<i>Stagnicola apicina</i>	Blue			IM-STAAPI
Pewter Physa	<i>Physa acuta</i>	Red			IM-PHYACU
Rotund Physa	<i>Physella columbiana</i>	Red			IM-PHYCOL
Hotwater Physa	<i>Physella wrighti</i>	Red	Endangered	Endangered	IM-PHYWRI
Caribou Rams-horn	<i>Planorbella columbiensis</i>	Red			IM-PLACOL
Thicklip Rams-horn	<i>Planorbula armigera</i>	Blue			IM-PLAARM
Umbilicate Sprite	<i>Promenetus umbilicatellus</i>	Blue			IM-PROUMB
Western Thorn	<i>Carychium occidentale</i>	Blue			IM-CAROCC
Lambda Snaggletooth	<i>Gastrocopta holzingeri</i>	Blue			IM-GASHOL
Threaded Vertigo	<i>Nearctula sp. 1</i>	Red	Special Concern	Special Concern	IM-NEASP1
Crestless Column	<i>Pupilla hebes</i>	Blue			IM-PUPHEB
Pacific Vertigo	<i>Vertigo andrusiana</i>	Red			IM-VERAND
Callused Vertigo	<i>Vertigo arthuri</i>	Blue			IM-VERART
Tapered Vertigo	<i>Vertigo elatior</i>	Red			IM-VERELA

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Silky Vallonia	<i>Vallonia cyclophorella</i>	Blue			IM-VALCYC
Rocky Mountainsnail	<i>Oreohelix strigosa</i>	Blue			IM-ORESTR
Subalpine Mountainsnail	<i>Oreohelix subrudis</i>	Blue			IM-ORESUB
Pale Jumping-slug	<i>Hemphillia camelus</i>	Blue			IM-HEMCAM
Dromedary Jumping-slug	<i>Hemphillia dromedarius</i>	Red	Threatened	Threatened	IM-HEMDRO
Warty Jumping-slug	<i>Hemphillia glandulosa</i>	Blue	Special Concern	Special Concern	IM-HEMGLA
Pygmy Slug	<i>Kootenaia burkei</i>	Red			IM-KOOBUR
Magnum Mantleslug	<i>Magnipelta mycophaga</i>	Blue	Special Concern		IM-MAGMYC
Blue-grey Taildropper	<i>Prophysaon coeruleum</i>	Red	Endangered	Endangered	IM-PROCOE
Scarletback Taildropper	<i>Prophysaon vanatta</i>	Blue			IM-PROVAN
Haida Gwaii Slug	<i>Staala gwaii</i>	Blue	Special Concern		IM-STAGWA
Sheathed Slug	<i>Zacoleus idahoensis</i>	Red			IM-ZACIDA
Northern Tightcoil	<i>Pristiloma arcticum</i>	Blue			IM-PRIARC
Black-footed Tightcoil	<i>Pristiloma chersinella</i>	Blue			IM-PRICHE
Broadwhorl Tightcoil	<i>Pristiloma johnsoni</i>	Blue			IM-PRIJOH
Black Gloss	<i>Zonitoides nitidus</i>	Blue			IM-ZONNIT
Evening Fieldslug	<i>Deroceras hesperium</i>	Red	Data Deficient		IM-DERHES
Oregon Forestsnail	<i>Allogona townsendiana</i>	Red	Endangered	Endangered	IM-ALLTOW
Puget Oregonian	<i>Cryptomastix devia</i>	Red	Extirpated	Extirpated	IM-CRYDEV
Coeur d'Alene Oregonian	<i>Cryptomastix mullani</i>	Blue			IM-CRYMUL
Pacific Sideband	<i>Monadenia fidelis</i>	Blue			IM-MONFID
Banded Tigersnail	<i>Anguispira kochi</i>	Blue			IM-ANGKOC
Quatsino Cave Amphipod	<i>Stygobromus quatsinensis</i>	Blue			IA-STYQUA