

IDAHO BLUE MOUNTAINS ECOREGION

G1 and G2 Species Habitat Management Guidelines



INTRODUCTION

The Sustainable Forestry Initiative® (SFI) [2022 Standards](#) include requirements that promote and conserve Forests with Exceptional Conservation Value (FECV), which includes critically imperiled (G1) and imperiled (G2) species. This fact sheet summarizes the analysis of FECV habitat within this ecoregion and provides habitat management recommendations that would benefit species potentially found here.

HABITAT TYPES

- Forest Edge
- Mixed Conifer Forest
- Riparian or Stream
- Special Sites (Cliff, Grassland)

FOREST EDGE MANAGEMENT

- Protect known locations
- Buffer special sites

MIXED CONIFER FOREST MANAGEMENT

- Protect known locations
- Retain legacy trees, stumps, and logs
- Retain large diameter trees with cavities or broken tops
- Leave skips and gaps with dense shrub component
- Retain large slash into piles

RIPARIAN OR STREAM MANAGEMENT

- Protect known locations
- Maintain well vegetated riparian buffers
- Plant a diversity of both hardwood and conifer trees in the riparian zone
- Retain large diameter trees near streams and rivers
- Buffer wetlands, springs, and headwater areas

SPECIAL SITES (CLIFF, GRASSLAND) MANAGEMENT

- Protect known locations
- Buffer special sites



Northern Idaho Ground Squirrel



Jessica's Aster



Asotin Milkvetch

All management recommendations assume that operators and land managers are following all applicable BMPs, laws, and regulations.

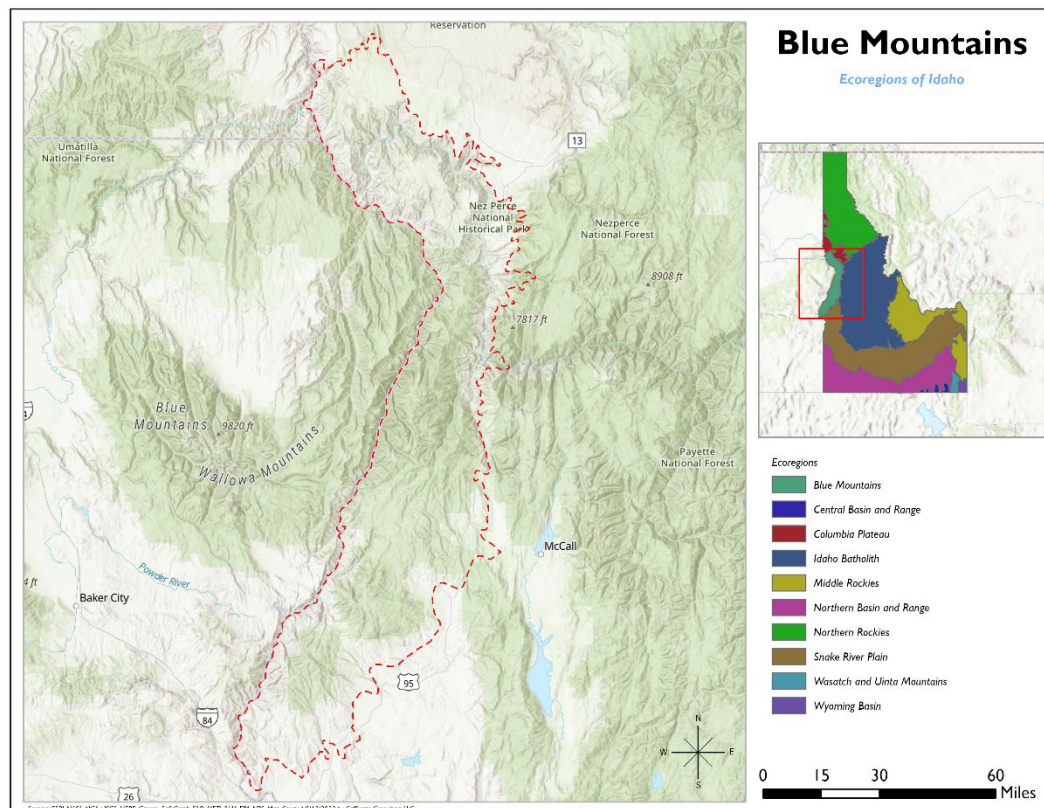
IDAHO BLUE MOUNTAINS ECOREGION

G1 and G2 Species Habitat Management Guidelines



SCIENTIFIC NAME	COMMON NAME	HABITAT	STATUS
<i>Mimulus hymenophyllus</i>	Membrane-leaved Monkeyflower	Cliff	G2
<i>Melanoplus lemurus</i>	A Spur-throat Grasshopper	Forest Edge	G1G2
<i>Melanoplus papoosense</i>	A Spur-throat Grasshopper	Forest Edge	G1G2
<i>Isoetes minima</i>	Midget Quillwort	Forest Edge	G1G2
<i>Symphyotrichum jessicae</i>	Jessica's Aster	Forest Edge	G2
<i>Urocitellus brunneus</i>	Northern Idaho Ground Squirrel	Forest Edge	G2
<i>Astragalus asotinensis</i>	Asotin Milkvetch	Grasslands	G2
<i>Silene spaldingii</i>	Spalding's Catchfly	Grasslands	G2
<i>Cryptomastix magnidentata</i>	Mission Creek Oregonian	Mixed Conifer Forest	G1
<i>Carex aboriginum</i>	Indian Valley Sedge	Riparian or Streams	G1
<i>Cryptomastix sanburni</i>	Kingston Oregonian	Riparian or Streams	G1
<i>Ladislavella idahoensis</i>	Shortspire Pondsnaill	Riparian or Streams	G1
<i>Rubus bartonianus</i>	Bartonberry	Riparian or Streams	G2

*Species links provided when available



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IDAHO COLUMBIA PLATEAU ECOREGION

G1 and G2 Species Habitat Management Guidelines



INTRODUCTION

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HABITAT TYPES

- Forest Edge
- Mixed Conifer Forest
- Riparian or Stream
- Special Sites (Cliff, Grasslands)

FOREST EDGE MANAGEMENT

- Protect known locations
- Buffer special sites

MIXED CONIFER FOREST MANAGEMENT

- Protect known locations
- Retain legacy trees, stumps, and logs
- Retain large diameter trees with cavities or broken tops
- Leave skips and gaps with dense shrub component
- Retain large slash into piles

RIPARIAN OR STREAM MANAGEMENT

- Protect known locations
- Maintain well vegetated riparian buffers
- Plant a diversity of both hardwood and conifer trees in the riparian zone
- Retain large diameter trees near streams and rivers
- Buffer wetlands, springs, and headwater areas

SPECIAL SITES (CLIFF, GRASSLAND) MANAGEMENT

- Protect known locations
- Buffer special sites



Douglas' Clover



Nimapuna Disc



Jessica's Aster

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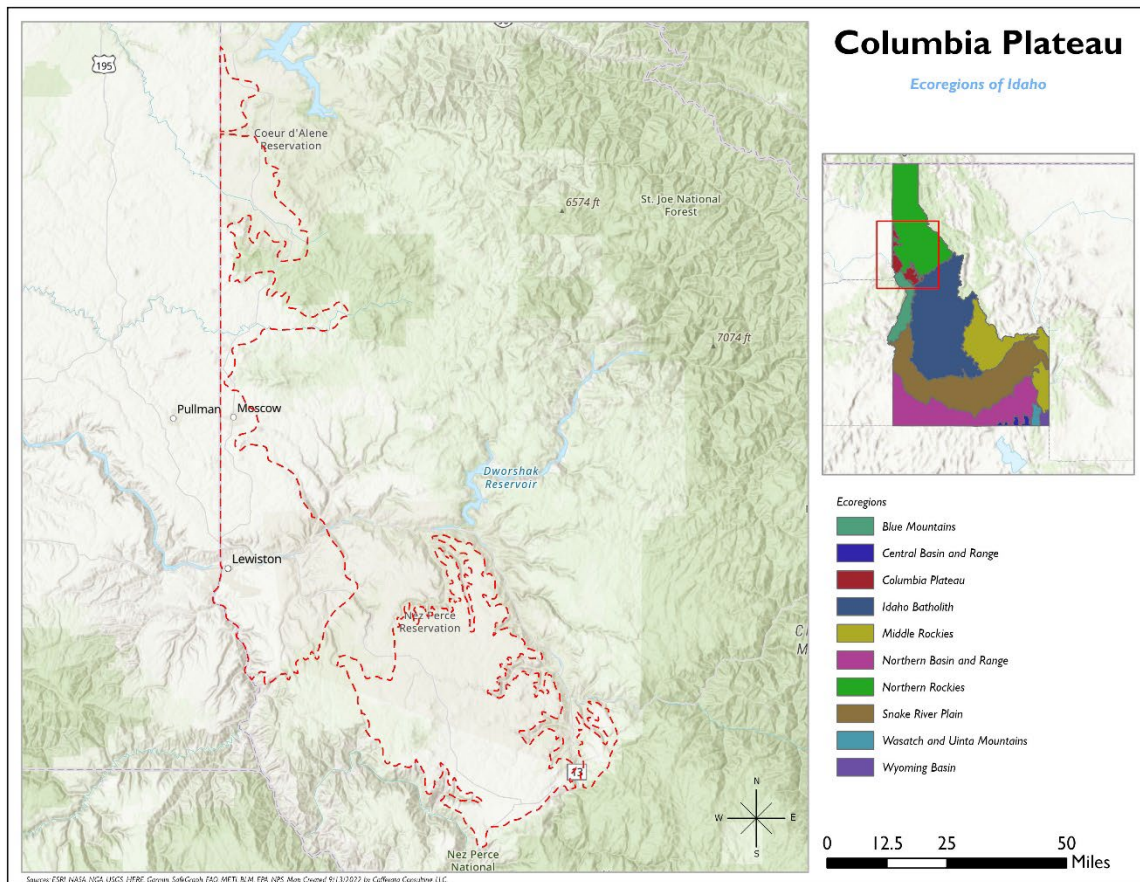
IDAHO COLUMBIA PLATEAU ECOREGION

G1 and G2 Species Habitat Management Guidelines



SCIENTIFIC NAME	COMMON NAME	HABITAT	STATUS
<i>Anguispira nimapuna</i>	Nimapuna Disc	Cliff	G1
<i>Symphyotrichum jessicae</i>	Jessica's Aster	Forest Edge	G2
<i>Astragalus riparius</i>	Piper's Milkvetch	Grassland	G1G2
<i>Silene spaldingii</i>	Spalding's Catchfly	Grassland	G2
<i>Cryptomastix magnidentata</i>	Mission Creek Oregonian	Mixed Forest	G1
<i>Sphaerocarpos hians</i>	A Liverwort	Riparian or Streams	G1
<i>Cryptomastix sanburni</i>	Kingston Oregonian	Riparian or Streams	G1
<i>Ladislavella idahoensis</i>	Shortspire Pondsnaill	Riparian or Streams	G1
<i>Paraleptophlebia falcata</i>	A Mayfly	Riparian or Streams	G1G2
<i>Trifolium douglasii</i>	Douglas' Clover	Riparian or Streams	G2

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IDAHO BATHOLITH ECOREGION

G1 and G2 Species Habitat Management Guidelines



INTRODUCTION

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HABITAT TYPES

- Forest Edge
- Grassland
- Mixed Conifer Forest
- Riparian or Stream
- Special Sites (Cliff, Grassland)

FOREST EDGE MANAGEMENT

- Protect known locations
- Buffer special sites

MIXED CONIFER FOREST MANAGEMENT

- Protect known locations
- Retain legacy trees, stumps, and logs
- Retain large diameter trees with cavities or broken tops
- Leave skips and gaps with dense shrub component
- Retain large slash into piles

RIPARIAN OR STREAM MANAGEMENT

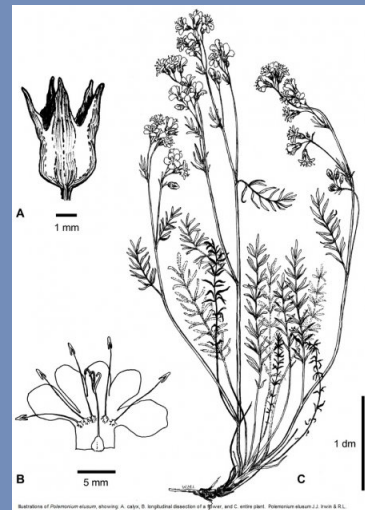
- Protect known locations
- Maintain well vegetated riparian buffers
- Plant a diversity of both hardwood and conifer trees in the riparian zone
- Retain large diameter trees near streams and rivers
- Buffer wetlands, springs, and headwater areas

SPECIAL SITES (CLIFF, GRASSLAND) MANAGEMENT

- Protect known locations
- Buffer special sites



Sacajawea's bitterroot



Elusive Jacob's-ladder



Nimapuna disc

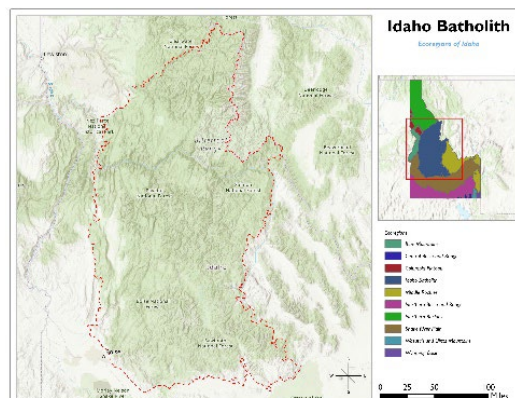
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IDAHO BATHOLITH ECOREGION

G1 and G2 Species Habitat Management Guidelines

SCIENTIFIC NAME	COMMON NAME	HABITAT	STATUS
<i>Anguispira nimapuna</i>	Nimapuna Disc	Cliff	G1
<i>Melanoplus lemurus</i>	A Spur-throat Grasshopper	Forest Edge	G1G2
<i>Melanoplus lolo</i>	A Spur-throat Grasshopper	Forest Edge	G1G2
<i>Melanoplus papoosense</i>	A Spur-throat Grasshopper	Forest Edge	G1G2
<i>Melanoplus phobeticus</i>	A Spur-throat Grasshopper	Forest Edge	G1G2
<i>Melanoplus pyro</i>	A Spur-throat Grasshopper	Forest Edge	G1G2
<i>Melanoplus sol</i>	A Spur-throat Grasshopper	Forest Edge	G1G2
<i>Melanoplus zeus</i>	A Spur-throat Grasshopper	Forest Edge	G1G2
<i>Isoetes minima</i>	Midget Quillwort	Forest Edge	G1G2
<i>Urocitellus brunneus</i>	Northern Idaho Ground Squirrel	Forest Edge	G2
<i>Silene spaldingii</i>	Spalding's Catchfly	Grassland	G2
<i>Cryptomastix magnidentata</i>	Mission Creek Oregonian	Mixed Conifer Forest	G1
<i>Capnura anas</i>	Duckhead Snowfly	Riparian or Streams	G1
<i>Helisoma newberryi</i>	Great Basin Rams-horn	Riparian or Streams	G1
<i>Carex aboriginum</i>	Indian Valley Sedge	Riparian or Streams	G1
<i>Cryptomastix sanburni</i>	Kingston Oregonian	Riparian or Streams	G1
<i>Branchinecta raptor</i>	Raptor Fairy Shrimp	Riparian or Streams	G1
<i>Ladislavella idahoensis</i>	Shortspire Pondsnaail	Riparian or Streams	G1
<i>Limnephilus challisa</i>	A Caddisfly	Riparian or Streams	G1G2
<i>Trifolium douglasii</i>	Douglas' Clover	Riparian or Streams	G2
<i>Penstemon salmonensis</i>	Salmon River Mountains Penstemon	Cliff/Mixed Conifer Forest	G2
<i>Draba trichocarpa</i>	Stanley Whitlow-grass	Cliff/Mixed Conifer Forest	G2
<i>Polemonium elusum</i>	Elusive Jacob's-ladder	Mixed Conifer Forest	G1
<i>Discus marmorensis</i>	Marbled Disc	Talus/ Mixed Conifer Forest	G1
<i>Eriogonum verrucosum</i>	Graceful Wild Buckwheat	Mixed Conifer Forest	G1G3
<i>Penstemon laxus</i>	Idaho Beardtongue	Mixed Conifer Forest	G2
<i>Lewisia sacajaweana</i>	Sacajawea's bitterroot	Mixed Conifer Forest	G2

*Species links provided when available



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IDAHO MIDDLE ROCKIES ECOREGION

G1 and G2 Species Habitat Management Guidelines



INTRODUCTION

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HABITAT TYPES

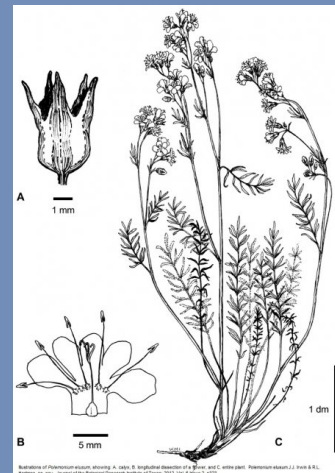
- Mixed Conifer Forest
- Riparian or Stream

MIXED CONIFER FOREST MANAGEMENT

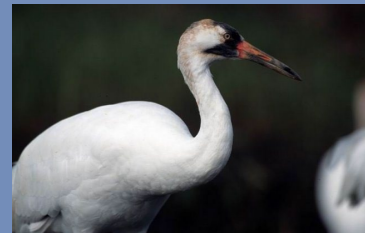
- Protect known locations
- Retain legacy trees, stumps, and logs
- Retain large diameter trees with cavities or broken tops
- Leave skips and gaps with dense shrub component
- Retain large slash into piles

RIPARIAN OR STREAM MANAGEMENT

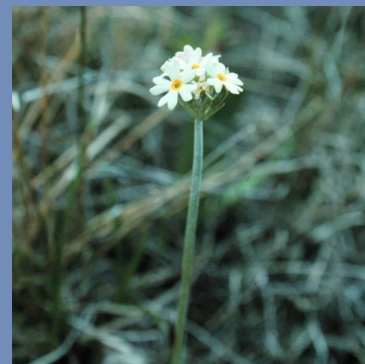
- Protect known locations
- Maintain well vegetated riparian buffers
- Plant a diversity of both hardwood and conifer trees in the riparian zone
- Retain large diameter trees near streams and rivers
- Buffer wetlands, springs, and headwater areas



Elusive Jacob's-ladder



Whooping Crane



Alkali Primrose

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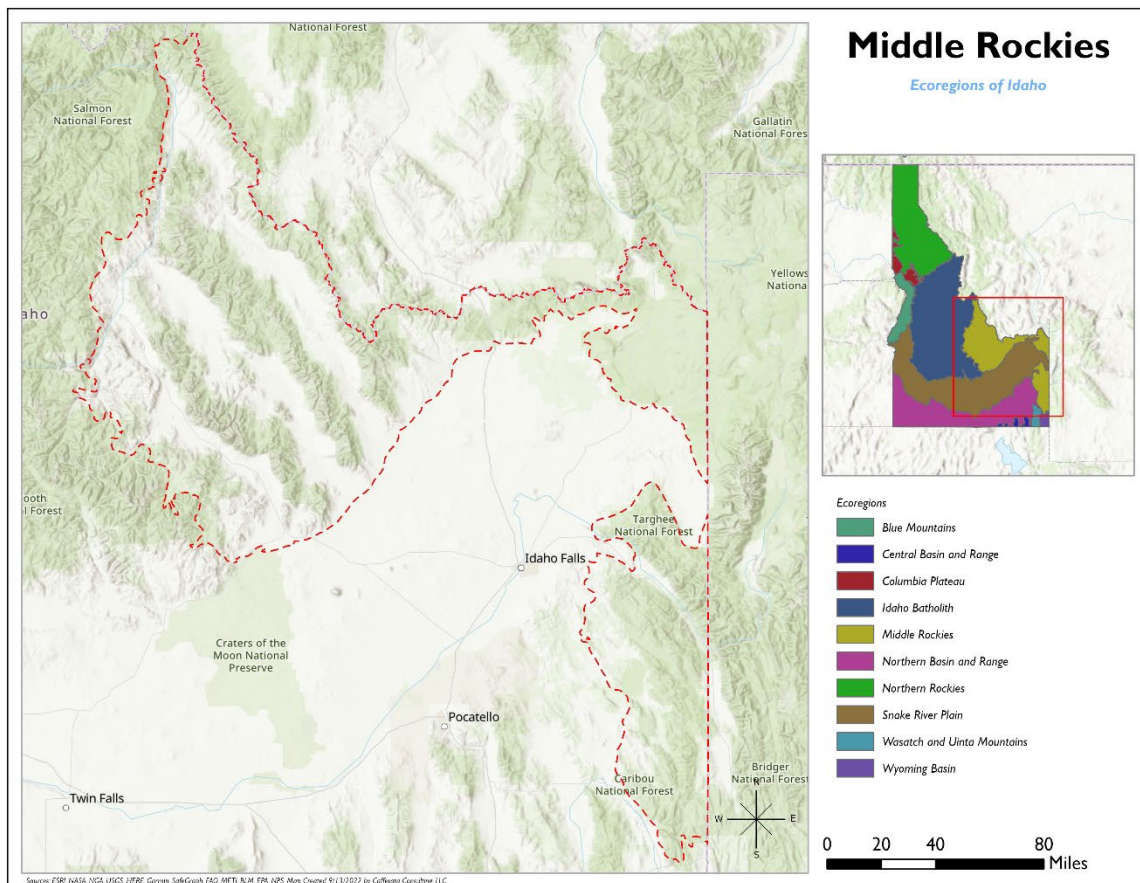
IDAHO MIDDLE ROCKIES ECOREGION

G1 and G2 Species Habitat Management Guidelines



SCIENTIFIC NAME	COMMON NAME	HABITAT	STATUS
<i>Polemonium elusum</i>	Elusive Jacob's-ladder	Mixed Conifer Forest	G1
<i>Ladislavella idahoensis</i>	Shortspire Pondsnaail	Riparian or Streams	G1
<i>Grus americana</i>	Whooping Crane	Riparian or Streams	G1
<i>Primula alcalina</i>	Alkali Prlimrose	Riparian or Streams	G2
<i>Astragalus diversifolius</i>	Meadow Milkvetch	Riparian or Streams	G2
<i>Spiranthes diluvialis</i>	Ute Ladies' Tresses	Riparian or Streams	G2G3

*Species links provided when available



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IDAHO NORTHERN ROCKIES ECOREGION

G1 and G2 Species Habitat Management Guidelines



INTRODUCTION

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HABITAT TYPES

- Forest Edge
- Mixed Conifer Forest
- Riparian or Stream
- Special Sites (Cliff, Grassland)

FOREST EDGE MANAGEMENT

- Protect known locations
- Buffer special sites

MIXED CONIFER FOREST MANAGEMENT

- Protect known locations
- Retain legacy trees, stumps, and logs
- Retain large diameter trees with cavities or broken tops
- Leave skips and gaps with dense shrub component
- Retain large slash into piles

RIPARIAN OR STREAM MANAGEMENT

- Protect known locations
- Maintain well vegetated riparian buffers
- Plant a diversity of both hardwood and conifer trees in the riparian zone
- Retain large diameter trees near streams and rivers
- Buffer wetlands, springs, and headwater areas

SPECIAL SITES (CLIFF, GRASSLAND) MANAGEMENT

- Protect known locations
- Buffer special sites



Northern Idaho Ground Squirrel



Spalding's Catchfly



Robust Starwort

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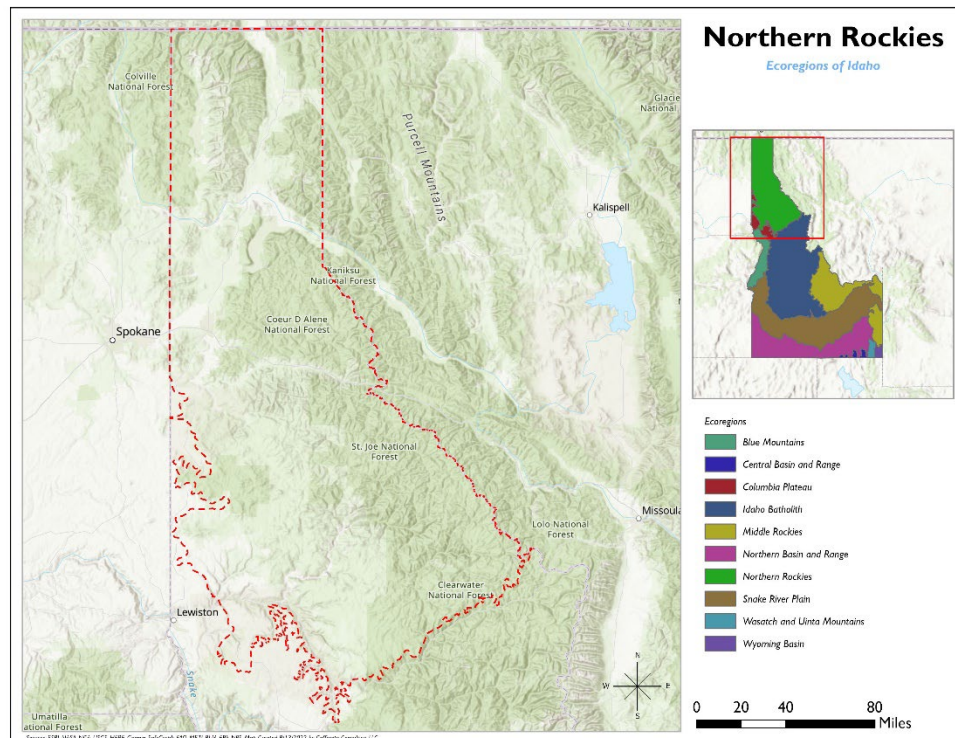
IDAHO NORTHERN ROCKIES Ecoregion

G1 and G2 Species Habitat Management Guidelines



SCIENTIFIC NAME	COMMON NAME	HABITAT	STATUS
<i>Anguispira nimapuna</i>	Nimapuna Disc	Cliff	G1
<i>Melanoplus baldi</i>	A Spur-throat Grasshopper	Forest Edge	G1G2
<i>Melanoplus lolo</i>	A Spur-throat Grasshopper	Forest Edge	G1G2
<i>Symphytotrichum jessicae</i>	Jessica's Aster	Forest Edge	G2
<i>Urocitellus brunneus</i>	Northern Idaho Ground Squirrel	Forest Edge	G2
<i>Silene spaldingii</i>	Spalding's Catchfly	Grassland	G2
<i>Phlox idahonis</i>	Clearwater Phlox	Mixed Conifer Forest	G1
<i>Cryptomastix magnidentata</i>	Mission Creek Oregonian	Mixed Conifer Forest	G1
<i>Grimmia brittoniae</i>	Britton's Dry Rock Moss	Mixed Conifer Forest	G2
<i>Sphaerocarpos hians</i>	A Liverwort	Riparian or Streams	G1
<i>Cladonia andereggii</i>	A Lichen	Riparian or Streams	G1
<i>Cryptomastix sanburni</i>	Kingston Oregonian	Riparian or Streams	G1
<i>Ameletus tolai</i>	A Mayfly	Riparian or Streams	G1G2
<i>Paraleptophlebia falcula</i>	A Mayfly	Riparian or Streams	G1G2
<i>Pseudostellaria oxyphylla</i>	Robust Starwort	Riparian or Streams	G1G2
<i>Trifolium douglasii</i>	Douglas' Clover	Riparian or Streams	G2
<i>Schistidium cinclidodonteum</i>	Schistidium Moss	Riparian or Streams	G2G3

*Species links provided when available



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IDAHO SNAKE RIVER PLAIN ECOREGION

G1 and G2 Species Habitat Management Guidelines



INTRODUCTION

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HABITAT TYPES

- Forest Edge
- Riparian or Stream

FOREST EDGE MANAGEMENT

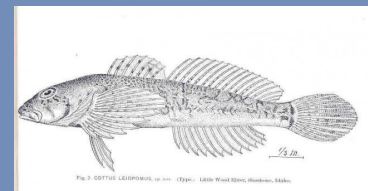
- Protect known locations
- Buffer special sites

RIPARIAN OR STREAM MANAGEMENT

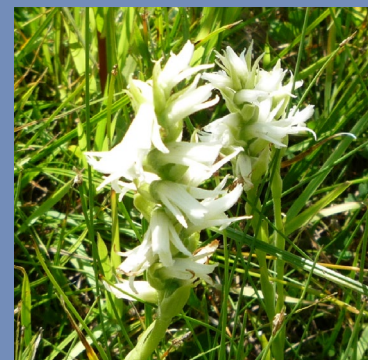
- Protect known locations
- Maintain well vegetated riparian buffers
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Douglas' Clover



Wood River Sculpin



Ute Ladies' Tresses

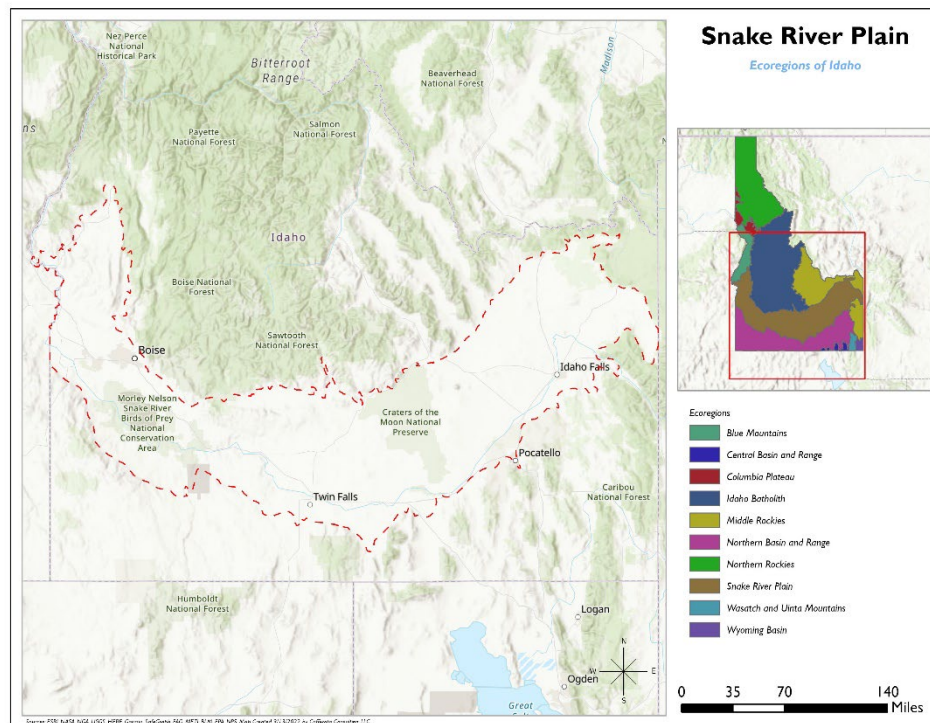
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IDAHO SNAKE RIVER PLAIN ECOREGION

G1 and G2 Species Habitat Management Guidelines

SCIENTIFIC NAME	COMMON NAME	HABITAT	Status
<i>Melanoplus phobeticus</i>	A Spur-throat Grasshopper	Forest Edge	G1G2
<i>Melanoplus pyro</i>	A Spur-throat Grasshopper	Forest Edge	G1G2
<i>Urocitellus brunneus</i>	Northern Idaho Ground Squirrel	Forest Edge	G2
<i>Idaholanx fresti</i>	Banbury Springs Limpet	Riparian or Streams	G1
<i>Taylorconcha serpenticola</i>	Bliss Rapids Snail	Riparian or Streams	G1
<i>Pyrgulopsis bruneauensis</i>	Bruneau Hot Springsnail	Riparian or Streams	G1
<i>Capnura anas</i>	Duckhead Snowfly	Riparian or Streams	G1
<i>Carex aboriginum</i>	Indian Valley Sedge	Riparian or Streams	G1
<i>Branchinecta raptor</i>	Raptor Fairy Shrimp	Riparian or Streams	G1
<i>Physella natricina</i>	Snake River Physa	Riparian or Streams	G1
<i>Grus americana</i>	Whooping Crane	Riparian or Streams	G1
<i>Limnephilus challisa</i>	A Caddisfly	Riparian or Streams	G1G2
<i>Trifolium douglasii</i>	Douglas' Clover	Riparian or Streams	G2
<i>Astragalus diversifolius</i>	Meadow Milkvetch	Riparian or Streams	G2
<i>Cottus greeniei</i>	Shoshone Sculpin	Riparian or Streams	G2
<i>Cottus leiopomus</i>	Wood River Sculpin	Riparian or Streams	G2
<i>Spiranthes diluvialis</i>	Ute Ladies' Tresses	Riparian or Streams	G2G3

*Species links provided when available



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IDAHO WYOMING BASIN ECOREGION

G1 and G2 Species Habitat Management Guidelines



INTRODUCTION

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HABITAT TYPES

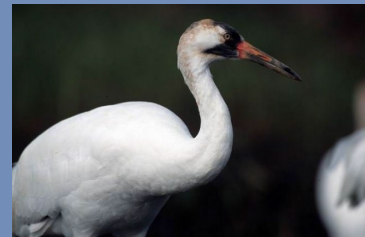
- Riparian or Stream
- Mixed Conifer Forest

RIPARIAN OR STREAM MANAGEMENT

- Protect known locations
- Maintain well vegetated riparian buffers
- Plant a diversity of both hardwood and conifer trees in the riparian zone
- Retain large diameter trees near streams and rivers
- Buffer wetlands, springs, and headwater areas

MIXED CONIFER FOREST MANAGEMENT

- Protect known locations
- Retain legacy trees, stumps, and logs
- Retain large diameter trees with cavities or broken tops
- Leave skips and gaps with dense shrub component
- Retain large slash into piles



Whooping Crane



Thickleaf Pepperwort



**Winward's Whitestem
Goldenbush**

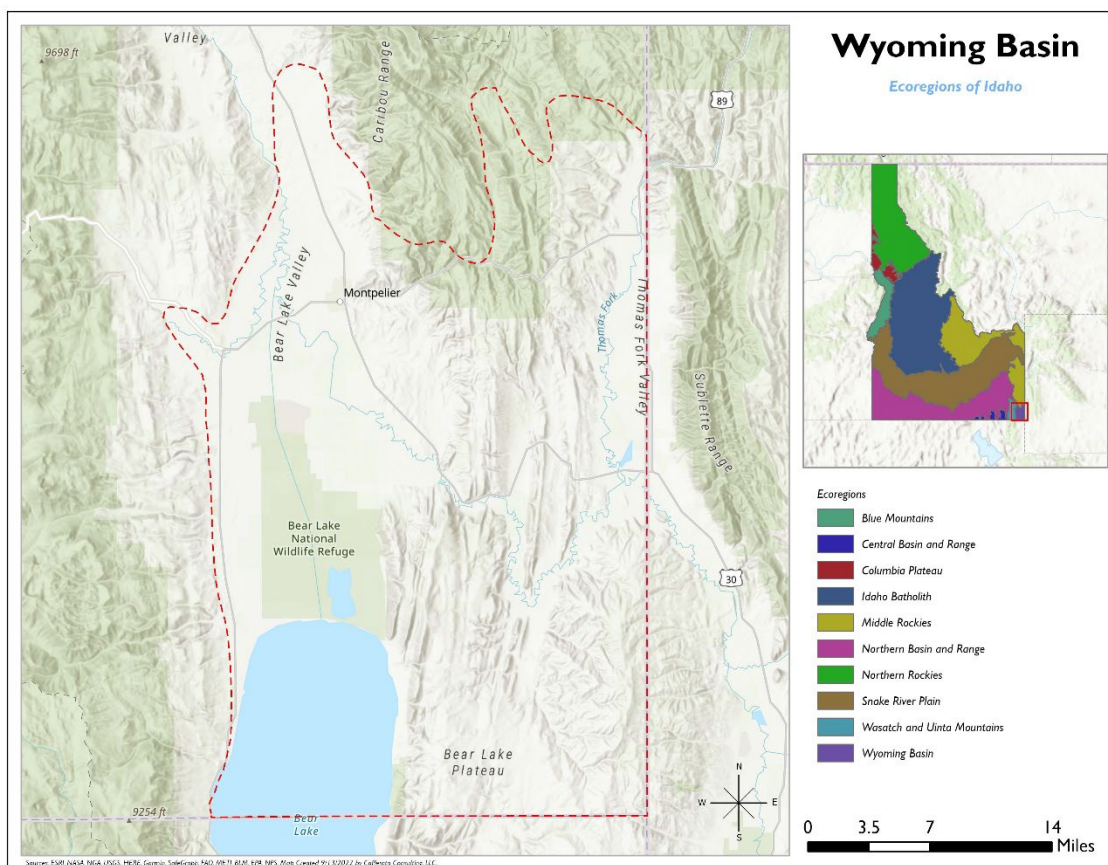
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IDAHO WYOMING BASIN ECOREGION

G1 and G2 Species Habitat Management Guidelines

SCIENTIFIC NAME	COMMON NAME	HABITAT	STATUS
<i>Helisoma newberryi</i>	Great Basin Rams-horn	Riparian or Streams	G1
<i>Grus americana</i>	Whooping Crane	Riparian or Streams	G1
<i>Lepidium integrifolium</i>	Thickleaf Pepperwort	Riparian or Streams	G2G3
<i>Ericameria winwardii</i>	Winward's Whitestem Goldenbush	Mixed Conifer Forest	G1

*Species links provided when available



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