



Kicking Horse Mountain Resort Landscape Design Rationale and Guidelines

APPENDIX I WILDLIFE *Birds & Insects*

Attracting and maintaining wildlife is a goal of Kicking Horse Mountain Resort in efforts to blend with natural surroundings and have minimal impact.

Creating wildlife habitat at KHMR will increase the experience of visiting and enjoying our valley. The visitors will have a unique opportunity to witness KHMR's partnership with the nature that surrounds it.

The following is a list of birds and insects of the area which affect and are affected by the landscaping program of the resort.

Birds

Common Name	Name	Breeds here	Habitat	Food Sources
Common Loon	Gavia immer	Yes	forested lakes & rivers	
Pied-billed Grebe		Yes		
Western Grebe				
Red-necked Grebe		Yes		
Great Blue Heron	Ardea herodias	Yes	lakes, ponds, rivers, marshes	fish, mice, sm birds, insects
Tundra Swan				
Canada Goose	Branta canadensis	Yes	marshes	grazer, stuble fields, marsh
Wood Duck	Aix sponsa	Yes	wooded rivers, ponds, & swamps	aquatic plants, and animals
Green-winged Teal		Yes		
Mallard	Anas platyrhynchos	Yes	marshes, ponds, marshy lakes	
Northern Pintail	Anas acuta	Yes	marshes, ponds	
American Wigeon		Yes		
Redhead		Yes		
Ring-necked Duck		Yes		
Common Goldeneye	Bucephala clangula	Yes	variety of wetlands	aquatic invertebrates
Bufflehead	Bucephala albeola	Yes	variety of wetlands	aquatic invertebrates
Common Merganser	Mergus merganser	Yes	variety of wetlands	aquatic invertebrates
Hawks & Eagles				
Osprey	Pandion haliaetus	Yes	shallow lakes, river marshes	fish
Bald Eagle	Haliaeetus leucocephalus	Yes	lakes, rivers, marshes	fish
Red-tailed Hawk	Buteo jamaicensis	Yes	patches of large trees	small mammals
American Kestrel	Falco sparverius	Yes	tree cavities	large insects, sm mammals, birds
Ruffed Grouse	Bonasa umbellus	Yes	deciduous woodlands	insects, seeds, small fruits, amphibians
American Coot		Yes		
Killdeer	Charadrius vociferus	Yes	open ground	
Spotted Sandpiper	Actitis macularia	Yes	variety of aquatic habitat	
Common Snipe	Gallinago gallinago	Yes	meadows and marshes	
Black Tern	Chlidonias niger	Yes	nests in marshes	
Rock Dove		Yes		
Owls				
Great Horned Owl	Bubo virginianus	Yes	open forest and grasslands	variety of mammals
Northern Pygmy-Owl	Glaucidium gnoma	Yes		small birds & rodents
Barred Owl	Strix varia	Yes	variety of forests, large trees	
Northern Saw-whet Owl	Aegolius acadicus	Suspected	wooded areas	rodents
Rufous Hummingbird	Selasphorus rufus	Yes	open woodlands, gardens	flower nectar, insects, sap
Belted Kingfisher	Ceryle alcyon	Yes	rivers, lakes	fish, lizards, insects
Woodpeckers				
Lewis's Woodpecker	Melanerpes lewis	Yes	open habitats	flying insects, orchard fruit
Red-naped Sapsucker	Sphyrapicus nuchalis	Yes	mature forests and forest edges	sap and insects
Downy Woodpecker	Picoides pubescens	Yes	coniferous and mixed woodlands	
Hairy Woodpecker	Picoides villosus	Yes	coniferous and mixed woodlands	
Northern Flicker	Colaptes auratus	Yes	ground, stumps, open woodlands	ants
Three-toed Woodpecker	Picoides tridactylus	Yes	large spruce and wildlife trees	
Flycatchers				
Olive-sided Flycatcher	Contopus cooperi	Yes	mature coniferous forests near water	
Western Wood-Pewee	Contopus sordidulus	Yes	Open forests near water	insects
Willow Flycatcher	Empidonax traillii	Yes	deciduous thickets near water	insects
Hammonds Flycatcher	Empidonax hammonii	Yes	coniferous forests	insects
Dusky Flycatcher		Yes		insects
Western Kingbird	Tyrannus verticalis	Yes	open habitats	insects
Eastern Kingbird	Tyrannus tyrannus	Yes	deciduous forests near water	insects, berries

Birds

Common Name	Name	Breeds here	Habitat	Food Sources
Swallows				
Tree Swallows	Tachycineta bicolor	Yes	open area around water	insects
Violet-green Swallow	Tachycineta thalassina	Yes	open habitats	flying insects
N.Rough-winged Swallow	Stelgidopteryx semipennis	yes	nests in burrows in banks	insects
Bank Swallow	Riparia riparia	Yes	colonies in burrows	insects
Cliff Swallow	Hirundo pyrrhonota	Yes	mud nests, cliffs, buildings	insects
Barn Swallow	Hirundo rustica	Yes	mud nests buildings	insects
Jays				
Grey Jay	Perisoreus canadensis	Yes	spruce/fir forests	
Steller's Jay	Cyanocitta stelleri	Yes	coniferous and mixed-wood forest	
Clark's Nutcracker	Nucifraga columbiana	Yes	ponderosa and white bark pines	pine nuts
Chickadees				
Black-capped Chickadee	Poecile atricapillus	Yes	deciduous and mixed woodlands	seeds berries insects
Mountain Chickadee	Poecile gambeli	Yes	coniferous and mixed woodlands	
Red-breasted Nuthatch	Sitta canadensis	Yes	coniferous and mixed woodlands	insects
Winter Wren	Troglodytes troglodytes	Yes	downed trees	insects
Marsh Wren	Cistothorus palustris	Yes	emergent marsh vegetation	insects
American Dipper	Cinclus mexicanus	Yes	stony river and stream banks	aquatic insects & fish eggs
Kinglets				
Golden-crowned Kinglet	Regulus starapa	Yes	coniferous and mixed woodlands	insects
Ruby-crowned Kinglet	Regulus calendula	Yes	coniferous and mixed woodlands	insects
Thrushes				
Mountain Bluebird	Sialia curucoides	Yes	grasslands, open forests	insects
Townsend's Solitaire	Myadestes townsendi	Yes	coniferous forests	insects, juniper & mountain ash berries
Hermit Th rush	Catharus guttatus	Yes	coniferous forests	
American Robin	Turdus migratorius	Yes	open areas	insects worms berries
Varied Th rush	Ixoreus naevius	Yes	coniferous forests	ground forager; berries
American Pipit	Anthus rubescens	Yes	alpine meadows	insects
Bohemian Waxwing	Bombycilla garrulus	No	berry producing trees	berries
Cedar Waxwing	Bombycilla cedrorum	Yes	mixed woodlands	berries
Warbling Vireo	Vireo gilvus	Yes	variety of woodlands in canopy	
Wood Warblers				
Orange-crowned Warbler		yes	native trees and shrubs	insects
Yellow Warbler	Dendroica petechia	Yes	willow thickets near water	insects
Yellow-rumped Warbler		Yes	variety of wooded habitats	insects
Townsend's Warbler		Yes	native trees and shrubs	insects
Western Tanager	Piranga ludoviciana	Yes	coniferous and mixed woods	insects
Song Sparrow	Melospiza melodia	Yes	thickets adjacent water	insects, seeds
Dark-eyed Junco	Junco hyemalis	Yes	forests and shrubby area	insects, seeds
Red-winged Blackbird	Agelaius phoeniceus	Yes	emergent wetland vegetation	insects, seeds
Western Meadowlark		Yes		insects, seeds
Yellow-headed Blackbird	Xanthocephalus	Yes	emergent wetland vegetation	insects, seeds
Brewer's Blackbird	Euphagus cyanophalus	Yes	thick shrubs	insects, seeds
Brown-headed Cowbird	Molothrus ater	Yes	open country	
Finches				
Grey-crowned Rosy-finch	Leucosticte tephrocotis	Yes	alpine meadows	insects, seeds, fruits
Pine Grosbeak	Pinicola enucleator	Yes	high elevation conifer forests	insects, seeds, fruits
Red Crossbill	Loxia curvirostra	Yes	Coniferous forests	spruce and larch seeds
Common Redpoll	Carduelis flammea	No	alder and birch	birch and alder
Pine Siskin	Carduelis pinus	Yes	alder and birch	birch and alder
Evening Grosbeak	Coccothraustes vespertinus	Yes	widespread	spruce budworm

Insects

Insect Name	Scientific Name	Benefits	Attracting
Aphid Midge	Aphidoletes aphidimyza	aphid predator	pollen and nector plants
Assassin Bugs	Family Reduviidae	general predator	naturally present, avoid pesticides
Bigeyed Bugs	Geocoris spp.	predator of aphids and leafhoppers	pigweed, goldenrod
Braconid Wasps	Family Braconidae	parasitic to many pests	nectar plants like yarrow
Bumblebees	Bombus spp.	Important wild pollinators	minimize pesticide use
Damsel Bugs	Family Nabidae	Important predator of aphids, leafhoppers, thrips	collect from alfalfa fields
Ground Beetles	Family Carabidae	Voracious predator	provide stone refuge
Honeybee	Apis mellifera	pollinator	plant pollen & nector plants, avoid insecticides
Hover Flies	Family Syrphidae	Larvae feed on aphids	plant pollen and nectar flowers
Ichneumon Wasps	Family Ichneumonidae	Parasitic to many pests and predatory	plant pollen and nectar flowers
Lacewings	Chrysperla spp.	Common general predator	plant pollen and nectar flowers
Lady Beetles	Family Coccinellidae	Important predator of soft bodied pests	plant pollen and nectar flowers
Minute Pirate Bug	Orius tristicolor	Voracious predator	plant pollen and nectar plants
Mites Predatory	Family Phytoseiidae	attack spider mites, thrips	Avoid pesticide use
Rove Beetles	Family Staphylinidae	Controls aphids, mites flies and cabbage moth	Make permanent beds, mulch to provide shelter
Soldier Beetles	Family Cantharidae	Predator	Plant Goldenrod, milkweed
Spined Soldier Bug	Podisus maculiventris	Important native predator	permanent perennial beds to provide shelter
Techinid Flies	Family Tachinidae	Excellent predator of caterpillars	Plant nectar herbs eg sweet clover
Tiger Beetles	Family Cicindelidae	generally beneficial for controlling pests	permanent perennial beds to provide shelter

Sources

Checklist of Birds of the Upper Columbia River valley
Compiled by Robert S Ferguson & Larry Halverson
1997

The Organic Gardener's Handbook of Natural Insect and Disease Control
Edited by Barbara W. Ellis and
Fern Marshall Bradley
Rodale Press
1996

Edible and Medicinal Plants of the Rockies
Linda Kershaw
Lone Pine
2000

Naturescape British Columbia Native Plant and Animal Booklet,
Southern Interior Mountains
1997

A field Guide for Site Identification and interpretation for the Nelson Forest Region
2002 Ministry of Forests.

* B.C. Conservation Data Center; Website
* B.C. Outdoor Guide, Website