

APPENDIX I

Potential and Confirmed Bird Species Occurrence on Burnaby Mountain

Common Name	Scientific Name	Provincial List	Frequency	Habitat Notes ¹	Source ²	Obs ²
Hérons						
Great Blue Heron	<i>Ardea herodias</i>	Blue	RarSuRes	Not thought to currently nest, but forested habitats are	e,f	e
Green Heron	<i>Butorides striatus</i>	Blue		Prefers fresh water with shrubbery along shoreline.	e	e
Birds of Prey						
Turkey Vulture	<i>Cathartes aura</i>	Blue	RarSuVis	Observed primarily as a fly-over migrant or summer	f	
Bald Eagle	<i>Haliaeetus</i>	Yellow	RarRes	Likely utilizes larger trees for perching. Not expected to	c,f	c
Sharp-shinned Hawk	<i>Accipiter striatus</i>	Yellow	UncWiRes	Occurs in all forested habitats.	c,f	c,h
Cooper's Hawk	<i>Accipiter cooperii</i>	Yellow	UncRes	Can occur throughout forested habitats on site. Likely	c	c,g
Northern Goshawk	<i>Accipiter gentilis</i>	Yellow	OccWiVis	Occurs rarely in forested habitats in winter.	f	
Red-tailed Hawk	<i>Buteo jamaicensis</i>	Yellow	UncRes	Most often seen soaring. Utilizes larger trees for	c,f	c,h
American Kestrel	<i>Falco sparverius</i>	Yellow	OccVis	May occur sporadically throughout the year.	c,f	c
Merlin	<i>Falco columbarius</i>	Yellow	OccWiVis	May occur occasionally during migration in winter. Feeds	c,f	c
Gallinaceous Birds						
Ring-necked Pheasant	<i>Phasianus colchicus</i>	Yellow	RarRes	May occur in deciduous habitats and forest edges.	f	
Blue Grouse	<i>Dendragapus</i>	Yellow	UncRes	Can occur throughout forested habitats.	f	
Ruffed Grouse	<i>Bonasa umbellus</i>	Yellow	RarRes	Can occur primarily in riparian and deciduous habitats.	f	
Gulls						
Glaucous-winged Gull	<i>Larus glaucescens</i>	Yellow	UncRes	Attracted to garbage in vicinity of SFU campus.	a,b,f	a,b
Pigeons/Doves						
Rock Dove (I)	<i>Columba livia</i>	Yellow	RarRes	Associated with urban habitats.	f	g
Band-tailed Pigeon	<i>Columba fasciata</i>	Yellow	UncRes	Occurs throughout forested habitats.	b,f	b
Owls						
Western Screech-Owl	<i>Otus kennicottii</i>	Yellow	RarRes	Likely occurs in riparian and deciduous habitats. Likely	f	
Great Horned Owl	<i>Bubo virginianus</i>	Yellow	UncRes	May occur in all forested habitats on the site.	a,b,c,f	a,b,c
Barred Owl	<i>Strix varia</i>	Yellow	RarRes	May occur in all forested habitats on the site.	f	
Long-eared Owl	<i>Asio otus</i>	Yellow	OccRes	May occur in open areas.	a,b	a,b
Northern Saw-whet Owl	<i>Aegolius acadicus</i>	Yellow	UncRes	May occur throughout, particularly in coniferous	c,f	c

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Nighthawks/Swifts						
Common Nighthawk	<i>Chordeiles minor</i>	Yellow	RarSuVis	Feeds occasionally over forest canopy. Nests on gravel-	f	
Black Swift	<i>Cypseloides niger</i>	Yellow	RarSuVis	Feeds occasionally, sometimes in large flocks over forest	a,b,f	a,b
Vaux's Swift	<i>Chaetura vauxi</i>	Yellow	RarSuVis	Feeds occasionally over forest canopy.	f	
Hummingbirds						
Rufous Hummingbird	<i>Selasphorus rufus</i>	Yellow	UncSuRes	Occurs primarily in areas with numerous flowering shrubs	a,b,d,f	a,b,d,h,i
Woodpeckers						
Red-breasted	<i>Sphyrapicus ruber</i>	Yellow	UncRes	Occurs throughout.	f	f,g,i
Downy Woodpecker	<i>Picoides pubescens</i>	Yellow	UncRes	Occurs throughout.	a,b,f	a,b,g,h
Hairy Woodpecker	<i>Picoides villosus</i>	Yellow	UncRes	Occurs primarily in habitats with large coniferous trees	c,f	c,g,i
Northern Flicker	<i>Colaptes auratus</i>	Yellow	UncRes	Occurs primarily along edges and open habitat.	c,f	c,f,g,h
Pileated Woodpecker	<i>Dryocopus pileatus</i>	Yellow	RarRes	Occurs primarily in habitats with large coniferous trees	a,b,f	a,b,f,g,h, i
Flycatchers						
Olive-sided Flycatcher	<i>Contopus borealis</i>	Yellow	RarSp&FaMig	Edge habitats and tall trees for perching.	a,b,f	a,b
Western Wood-Pewee	<i>Contopus sordidulus</i>	Yellow	UncSuRes;UncMi	Edges, tall trees, and riparian habitat.	b,f	b,g
Willow Flycatcher	<i>Empidonax traillii</i>	Yellow	UncRes	Riparian habitat.	a,b,f	a,b
Hammond's Flycatcher	<i>Empidonax</i>	Yellow	RarSuRes	Occurs primarily in coniferous habitat.	f	h
Pacific-slope Flycatcher	<i>Empidonax difficilis</i>	Yellow	ComSuRes	Mixed forest habitat types, especially riparian areas.	f	g,i
Swallows						
Tree Swallow	<i>Tachycineta bicolor</i>	Yellow	UncSuRes	Feeds over forest canopy. May nest in available cavities.	f	h
Violet-green Swallow	<i>Tachycineta</i>	Yellow	UncSuRes	Feeds over forest canopy. Likely nests.	a,b	a,b
Cliff Swallow	<i>Hirundo pyrrhonota</i>	Yellow	UncSuRes	Nests on buildings.	f	
Barn Swallow	<i>Hirundo rustica</i>	Yellow	ComSuRes	Nests on buildings and feeds over open habitat.	f	i
Jays/Crows/Ravens						
Stellar's Jay	<i>Cyanocitta stelleri</i>	Yellow	UncRes	Occurs throughout.	c,f	c,g
Northwestern Crow	<i>Corvus caurinus</i>	Yellow	UncRes	Occurs throughout.	b,c,d,f	b,c,d,f,h
Common Raven	<i>Corvus corax</i>	Yellow	RarRes	Perches on larger trees.	f	f,h
Chickadees/ Allies						
Black-capped	<i>Parus atricapillus</i>	Yellow	ComRes	Primarily riparian and deciduous habitats.	a,b,c,d,f	a,b,c,d,f,h
Chestnut-backed Chickadee	<i>Parus rufescens</i>	Yellow	ComRes	Occurs throughout, but primarily in coniferous dominated	f	f,g,h,i
Bushtit	<i>Psaltiriparus minimus</i>	Yellow	ComRes	Primarily riparian and deciduous habitat.	a,b,f	a,b,f,h
Red-breasted nuthatch	<i>Sitta canadensis</i>	Yellow	UncRes	Throughout forested habitats.	a,b,f	a,b,g,h

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Brown Creeper	<i>Certhia americana</i>	Yellow	UncRes	Primarily coniferous forested habitats in summer.	f	f,g,h,i
Wrens & Kinglets						
Bewick's Wren	<i>Thryomanes bewickii</i>	Yellow	UncRes	Primarily riparian and deciduous habitats.	a,b,f	a,b,h
Winter Wren	<i>Troglodytes</i>	Yellow	ComRes	Throughout.	a,b,d,f	a,b,d,f,g,h,i
Golden-crowned Kinglet	<i>Regulus satrapa</i>	Yellow	ComRes	Throughout. Probably in greater numbers during winter.	a,b,f	a,b,f,g,h
Ruby-crowned Kinglet	<i>Regulus calendula</i>	Yellow	ComMig;UncWiR	Primarily riparian and deciduous habitats.	f	f,h
Thrushes& Waxwings						
Townsend's Solitaire	<i>Myadestes</i>	Yellow	RarWiRes	Open and edge habitats.	f	
Swainson's Thrush	<i>Catharus ustulatus</i>	Yellow	ComSuRes	Throughout.	a,b,c,d,f	a,b,c,d,g,i
Hermit Thrush	<i>Catharus guttatus</i>	Yellow	ComSp&FaMig	Throughout during migration.	f	h
American Robin	<i>Turdus migratorius</i>	Yellow	ComSuRes;Unc	Throughout.	a,b,d,f	a,b,d,f,g,h,i
Varied Thrush	<i>Ixoreus naevius</i>	Yellow	UncSuRes;Com	Throughout.	c,f	c,f,g,h
Cedar Waxwing	<i>Bombycilla cedrorum</i>	Yellow	UncSuRes	Primarily riparian and deciduous habitats.	b,f	b,g
Starlings						
European Starling (I)	<i>Sturnus vulgaris</i>	Yellow	UncRes	Primarily in open and developed areas. Nests in cavities.	f	
Vireos/Warbblers						
Solitary Vireo	<i>Vireo solitarius</i>	Yellow	UncSuRes	Mature mixed coniferous-deciduous stands.	f	
Hutton's Vireo	<i>Vireo huttoni</i>	Blue	UncRes	Mature mixed coniferous-deciduous forests.	f	h
Warbling Vireo	<i>Vireo gilvus</i>	Yellow	UnSuRes	Primarily riparian and deciduous habitats.	b,f	b
Red-eyed Vireo	<i>Vireo olivaceus</i>	Yellow	ComSuRes	Primarily riparian and deciduous habitats.	a,b,f	a,b,g,i
Orange-crowned	<i>Vermivora celata</i>	Yellow	UncSp&FaMig	Primarily riparian and deciduous habitats.	a,b,f	a,b,h
Yellow Warbler	<i>Dendroica petechia</i>	Yellow	UncSuRes	Primarily in shrubby and deciduous habitats.	a,b	a,b,
Yellow-rumped Warbler	<i>Dendroica coronata</i>	Yellow	ComSp&FaMig	Throughout.	f	h
Black-throated Gray	<i>Dendroica</i>	Yellow	UncSuRes	Primarily riparian and deciduous habitats.	f	i
Townsend's Warbler	<i>Dendroica townsendi</i>	Yellow	UncSp&FaMig	Throughout during migration. May nest in coniferous	c,f	c,h
MacGillivray's Warbler	<i>Oporornis tolmiei</i>	Yellow	UncSuRes	Primarily riparian and deciduous habitats.	a,b,f	a,b,h
Wilson's Warbler	<i>Wilsonia pusilla</i>	Yellow	RarSuRes	Throughout; nests in deciduous forest habitats.	a,b,f	a,b,h,i
Sparrows/Blackbirds						
Western Tanager	<i>Piranga ludoviciana</i>	Yellow	RarSuRes	Throughout forested habitats.	f	g,i
Black-headed Grosbeak	<i>Pheucticus</i>	Yellow	UncSuRes	Primarily riparian and deciduous habitats.	a,b,f	a,b,i
Spotted Towhee	<i>Pipilo maculatus</i>	Yellow	ComRes	Throughout areas with dense shrub layer.	a,b,c,d,f	a,b,c,d,f,g,h
Fox Sparrow	<i>Passerella iliaca</i>	Yellow	UncWiRes	In shrubby areas with dense understories.	c,f	c
Song Sparrow	<i>Melospiza melodia</i>	Yellow	ComRes	Primarily riparian and deciduous habitats.	a,b,c,f	a,b,c,f,g,h,i
Lincoln's Sparrow	<i>Melospiza lincolnii</i>	Yellow	RarSp&FaMig	Primarily riparian and deciduous habitats during	f	
Golden-crowned Sparrow	<i>Zonotrichia atricapilla</i>	Yellow	RarWiRes;UncMi	Primarily riparian and deciduous habitats during	f	h

Common Name	Scientific Name	Provincial List	Frequency	Habitat Notes ¹	Source ²	Obs ²
White-crowned Sparrow	<i>Zonotrichia</i>	Yellow	UncRes	Primarily riparian, deciduous or landscaped habitats.	f	g,h
Dark-eyed Junco	<i>Junco hyemalis</i>	Yellow	ComWiRes	Throughout.	b,c,d,f	b,c,d,f,g,h
Brown-headed Cowbird	<i>Molothrus ater</i>	Yellow	UncSuRes	Throughout.	b,f	b,i
Northern Oriole	<i>Icterus galbula</i>	Yellow	RarSuRes	Primarily riparian and deciduous habitats.	f	
Finches						
Pine Grosbeak	<i>Pinicola enucleator</i>	Yellow	RarWiVis	May visit forested habitats in winter.	f	
Purple Finch	<i>Carpodacus</i>	Yellow	RarRes	All habitats.	a,f	a
House Finch	<i>Carpodacus</i>	Yellow	UncRes	Edge and deciduous forest habitats.	f	h,i
Red Crossbill	<i>Loxia curvirostra</i>	Yellow	RarRes	Primarily coniferous dominated forests.	f	
Pine Siskin	<i>Carduelis pinus</i>	Yellow	UncSuRes:Com	Throughout.	a,b,f	a,b,f,g,h
American Goldfinch	<i>Carduelis tristis</i>	Yellow	UncSuRes	Primarily riparian and deciduous habitats.	a,b,f	a,b
Evening Grosbeak	<i>Coccothraustes</i>	Yellow	RarWiRes	Throughout.	f	h
Old World Sparrows						
House Sparrow (I)	<i>Passer domesticus</i>	Yellow	ComRes	Developed areas.	f	

Provincial Species Classifications

Red List	Includes any indigenous species or subspecies (taxa) considered to be Extirpated, Endangered, or Threatened in British Columbia. Extirpated taxa no longer exist in the wild in British Columbia, but do occur elsewhere. Endangered taxa are facing imminent extirpation or extinction. Threatened taxa are likely to become endangered if limiting factors are not reversed. Red-listed taxa include those that have been, or are being, evaluated for these designations.
Blue List	Includes any indigenous species or subspecies (taxa) considered to be Vulnerable in British Columbia. Vulnerable taxa are of special concern because of characteristics that make them particularly sensitive to human activities or natural events. Blue-listed taxa are at risk, but are not Extirpated, Endangered or Threatened.
Yellow List	Any indigenous species or subspecies (taxa) which is not at risk in British Columbia. The CDC tracks some Yellow listed taxa which are vulnerable during times of seasonal concentration (e.g., breeding colonies).

Endnotes:

1. Adapted primarily from Stewart Environmental Ltd. 1996.
2. Source of information and record of actual observation (see Bibliography for full citations):
 - a = Sigma Resource Consultants Ltd. 1979
 - b = Sigma Environmental Consultants Ltd. 1982
 - c = Terra Lotic Resources Ltd. 1992
 - d = Axys Environmental Consulting Ltd. 1994. (site visit 7 June 7 1994)
 - e = CDC 1994
 - f = Stewart Environmental Ltd. 1996
 - g = Axys Environmental Consulting (site visits mid-August to early October 1997)
 - h = Vancouver Natural History Society (George Clulow, Al Grasse) surveys: April 26 and 27, 1997; March 1, 1998
 - i = Strix Environmental Consulting site visit May 24, 1998

