

APPENDIX 10A

Committee on the Status of Endangered Wildlife in Canada and
Species at Risk Act Wildlife Species Status Categories

VALENTINE GOLD PROJECT: ENVIRONMENTAL IMPACT STATEMENT

Table 10A.1 Committee on the Status of Endangered Wildlife in Canada and *Species at Risk Act* Species Status Category Descriptions

Status Category	Description*
Extinct (X)	A wildlife species that no longer exists.
Extirpated (XT)	A wildlife species that no longer exists in the wild in Canada but exists elsewhere.
Endangered (E)	A wildlife species facing imminent extirpation or extinction.
Threatened (T)	A wildlife species that is likely to become Endangered if nothing is done to reverse the factors leading to its extirpation or extinction.
Special Concern (SC)	A wildlife species that may become Threatened or Endangered because of a combination of biological characteristics and identified threats.
Not at Risk (NAR)	A wildlife species that has been evaluated and found to be not at risk of extinction given the current circumstances.
Data Deficient (DD)	A category that applies when the available information is insufficient (a) to resolve a wildlife species' eligibility for assessment or (b) to permit an assessment of the wildlife species' risk of extinction.
<p>Notes: * COSEWIC 2016. Excerpt from https://www.canada.ca/en/environment-climate-change/services/committee-status-endangered-wildlife/wildlife-species-status-categories-definition.html a) Designations Under the Newfoundland and Labrador <i>Endangered Species Act</i> Species assessment and listings under the Newfoundland and Labrador <i>Endangered Species Act</i> (NL ESA) are coordinated by the Wildlife Division of the Newfoundland and Labrador Fisheries, Forestry and Agriculture Department. Designations under the NL ESA are described in Table 10A.2</p>	

Table 10A.2 Newfoundland and Labrador *Endangered Species Act* Designations and Descriptions

Designation	Description*
Extinct	A wildlife species that no longer exists.
Extirpated	A wildlife species that no longer exists in the wild but exists elsewhere.
Endangered	A wildlife species facing imminent Extirpation or Extinction.
Threatened	A wildlife species that is likely to become Endangered if nothing is done to reverse the factors limiting its survival.
Vulnerable	A wildlife species that has characteristics which make it particularly sensitive to human activities or natural events, or restricted habitat or food requirements that are themselves under threat.
Data Deficient (DD)	A category that applies when all sources of available information have been investigated but the information in the status report is insufficient to determine risk of extinction based on distribution and/or population status.
Not at Risk (NAR)	Generally applied to widespread and abundant taxa.
<p>Notes: NL FLR 2019. Excerpt from https://www.flr.gov.nl.ca/wildlife/endangeredspecies/Designations.pdf a) Atlantic Canada Conservation Data Centre Rankings The AC CDC status ranks (S-rank) for the Island of Newfoundland were used to assess the rankings for vascular plant species. Definitions of the AC CDC rankings are provided in Table 10A.1</p>	

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Table 10A.3 Definitions of the Atlantic Canada Conservation Data Centre S-Ranks

Provincial Ranking (S-rank)	Definition
SX	Presumed Extirpated - Species or community is believed to be extirpated from the province. Not located despite intensive searches of historical sites and other appropriate habitat, and virtually no likelihood that it will be rediscovered.
S1	Critically Imperiled - Critically imperiled in the province because of extreme rarity (often 5 or fewer occurrences) or because of some factor(s) such as very steep declines making it especially vulnerable to extirpation from the province.
S2	Imperiled - Imperiled in the province because of rarity due to very restricted range, very few populations (often 20 or fewer), steep declines, or other factors making it very vulnerable to extirpation from the nation or province.
S3	Vulnerable - Vulnerable in the province due to a restricted range, relatively few populations (often 80 or fewer), recent and widespread declines, or other factors making it vulnerable to extirpation.
S4	Apparently Secure - Uncommon but not rare; some cause for long term concern due to declines or other factors.
S5	Secure - Common, widespread, and abundant in the province.
SNR	Unranked - Provincial conservation status not yet assessed.
SU	Unrankable - Possibly in peril, but status is uncertain - more information is needed
SNA	Not Applicable - A conservation status rank is not applicable because the species is not a suitable target for conservation activities.
S#/S#	Range Rank - A numeric range rank (e.g., S2S3) is used to indicate any range of uncertainty about the status of the species or community. Ranges cannot skip more than one rank (e.g., SU is used rather than S1S4)
SH	Possibly Extirpated (Historical)—Species or community occurred historically in the province, and there is some possibility that it may be rediscovered. Its presence may not have been verified in the past 20-40 years. A species or community could become SH without such a 20-40 year delay if the only known occurrences in a province were destroyed or if it had been extensively and unsuccessfully looked for. The SH rank is reserved for species or communities for which some effort has been made to relocate occurrences, rather than simply using this status for all elements not known from verified extant occurrences.
Not Provided	Species is not known to occur in the province.
Note: AC CDC 2020a. Excerpt from http://accdc.com/en/rank-definitions.html	

APPENDIX 10B

Avifauna Species Observed During Forest Breeding Bird Surveys
Conducted in 2011 and 2019

VALENTINE GOLD PROJECT: ENVIRONMENTAL IMPACT STATEMENT

Table 10B.1 Bird Species Observed during Forest Breeding Bird Studies Conducted in the Project Area and LAA in 2011 and 2019

Common Name	Binomial	SARA Status	COSEWIC Status	NL ESA Status	AC CDC Rank	Year Observed
common nighthawk	<i>Chordeiles minor</i>	Schedule 1, Threatened	Special Concern	Threatened	SNA	2011
Wilson's snipe	<i>Gallinago delicata</i>				S5B,S5M	2011 and 2019
greater yellowlegs	<i>Tringa melanoleuca</i>				S3B, S4M	2011 and 2019
common loon	<i>Gavia immer</i>				S5B, S4N	2011 and 2019
northern goshawk	<i>Accipiter gentilis</i>				S3	2011
black-backed woodpecker	<i>Picoides arcticus</i>				S4	2019
downy woodpecker	<i>Dryobates pubescens</i>				S4	2019
hairy woodpecker	<i>Dryobates villosus</i>				S4	2019
northern flicker	<i>Colaptes auratus</i>				S4	2011 and 2019
merlin	<i>Falco columbarius</i>				S4S5B,SUM	2011
olive-sided flycatcher	<i>Contopus cooperi</i>	Schedule 1, Threatened	Special Concern	Threatened	S3B,SUM	2011 and 2019
yellow-bellied flycatcher	<i>Empidonax flaviventris</i>				S5B,S5M	2011 and 2019
least flycatcher	<i>Empidonax minimus</i>				S2S3?B,SUM	2011
blue-headed vireo	<i>Vireo solitarius</i>				S3B,SUM	2019
Canada jay	<i>Perisoreus canadensis</i>				S5	2011 and 2019
American crow	<i>Corvus brachyrhynchos</i>				S5	2019
common raven	<i>Corvus corax</i>				S5	2019
black-capped chickadee	<i>Poecile atricapillus</i>				S5	2019
boreal chickadee	<i>Poecile hudsonicus</i>				S4	2011 and 2019
red-breasted nuthatch	<i>Sitta canadensis</i>				S5	2019
brown creeper	<i>Certhia americana</i>				S3	2011
golden-crowned kinglet	<i>Regulus satrapa</i>				S5B, S4N, SUM	2011 and 2019
ruby-crowned kinglet	<i>Regulus calendula</i>				S5B,S5M	2011 and 2019
Swainson's thrush	<i>Catharus ustulatus</i>				S5B,S5M	2011 and 2019
hermit thrush	<i>Catharus guttatus</i>				S5B,S5M	2011 and 2019
American robin	<i>Turdus migratorius</i>				S5B,S5M	2011 and 2019

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Table 10B.1 Bird Species Observed during Forest Breeding Bird Studies Conducted in the Project Area and LAA in 2011 and 2019

Common Name	Binomial	SARA Status	COSEWIC Status	NL ESA Status	AC CDC Rank	Year Observed
pine grosbeak	<i>Pinicola enucleator</i>				S5	2011 and 2019
white-winged crossbill	<i>Loxia leucoptera</i>				S5	2011 and 2019
pine siskin	<i>Spinus pinus</i>				S4S5	2011 and 2019
American goldfinch	<i>Spinus tristis</i>				S5	2011 and 2019
fox sparrow	<i>Passerella iliaca</i>				S5B,S5M	2011 and 2019
dark-eyed junco	<i>Junco hyemalis</i>				S5	2011 and 2019
white-throated sparrow	<i>Zonotrichia albicollis</i>				S5B,S5M	2011 and 2019
vesper sparrow	<i>Pooecetes gramineus</i>				SNA	2019
savannah sparrow	<i>Passerculus sandwichensis</i>				S5B,S5M	2011 and 2019
Lincoln's sparrow	<i>Melospiza lincolnii</i>				S5B,S5M	2011 and 2019
swamp sparrow	<i>Melospiza georgiana</i>				S5B,S5M	2011 and 2019
rusty blackbird	<i>Euphagus carolinus</i>	Special Concern	Special concern		S2S3B,SUM	2019
northern waterthrush	<i>Parkesia noveboracensis</i>				S5B,S5M	2011 and 2019
black-and-white warbler	<i>Mniotilta varia</i>				S5B,S5M	2011 and 2019
Nashville warbler	<i>Leiothlypis ruficapilla</i>				S2B,SUM	2011 and 2019
mourning warbler	<i>Geothlypis philadelphia</i>				S4B,SUM	2011 and 2019
common yellowthroat	<i>Geothlypis trichas</i>				S5B,S5M	2011 and 2019
American redstart	<i>Setophaga ruticilla</i>				S5B,S5M	2019
magnolia warbler	<i>Setophaga magnolia</i>				S4B,SUM	2011 and 2019
bay-breasted warbler	<i>Setophaga castanea</i>				S2B,SUM	2019
yellow warbler	<i>Setophaga petechia</i>				S5B,S5M	2019
blackpoll warbler	<i>Setophaga striata</i>				S5B,S5M	2011 and 2019
palm warbler	<i>Setophaga palmarum</i>				S5B,S5M	2011 and 2019
pine warbler	<i>Setophaga pinus</i>				SNA	2011
yellow-rumped warbler	<i>Setophaga coronata</i>				S5B,S5M	2011 and 2019

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Table 10B.1 Bird Species Observed during Forest Breeding Bird Studies Conducted in the Project Area and LAA in 2011 and 2019

Common Name	Binomial	SARA Status	COSEWIC Status	NL ESA Status	AC CDC Rank	Year Observed
black-throated green warbler	<i>Setophaga virens</i>				S5B,S5M	2011 and 2019
Wilson's warbler	<i>Cardellina pusilla</i>				S5B,S5M	2019
Notes: *SAR are presented in bold text. SOCC are presented in <i>italicized</i> text.						

APPENDIX 10C

Avifauna Species reported Within or near the Project Area and
LAA by the Various Data Sources

VALENTINE GOLD PROJECT: ENVIRONMENTAL IMPACT STATEMENT

Table 10C.1 Avifauna Species Reported Within or Near the Project Area and LAA

Common Name	Latin Name	SARA Status	COSEWIC Status	NL ESA Rank	AC CDC Status	Data Sources
Canada goose	<i>Branta canadensis</i>				S4	Stantec Field Data
mallard	<i>Anas platyrhynchos</i>				S3B,SUM	Stantec Field Data
American black duck	<i>Anas rubripes</i>				S4	CBC, Stantec Field Data
green-winged teal	<i>Anas crecca</i>				S4B,SUM	Stantec Field Data
ring-necked duck	<i>Aythya collaris</i>				S5B,S5M	Stantec Field Data
common goldeneye	<i>Bucephala clangula</i>				S4	Stantec Field Data
common merganser	<i>Mergus merganser</i>				S4	BBS, Stantec Field Data
red-breasted merganser	<i>Mergus serrator</i>				S4B,S4M	Stantec Field Data
ruffed grouse	<i>Bonasa umbellus</i>				SNR	BBS, Stantec Field Data
spruce grouse	<i>Falciennis canadensis</i>				SNA	CBC, Stantec Field Data
willow ptarmigan	<i>Lagopus lagopus</i>				S5	CBC, Stantec Field Data
rock pigeon	<i>Columba livia</i>				SNA	CBC
common nighthawk	<i>Chordeiles minor</i>	Schedule 1, Threatened	Special Concern	Threatened	SNA	AC CDC, Stantec Field Data
killdeer	<i>Charadrius vociferus</i>				S3B,SUM	Stantec Field Data
Wilson's snipe	<i>Gallinago delicata</i>				S5B,S5M	BBS, Stantec Field Data
spotted sandpiper	<i>Actitis macularius</i>				S4B,SUM	BBS, Stantec Field Data
greater yellowlegs	<i>Tringa melanoleuca</i>				S3B, S4M	BBS, Stantec Field Data
herring gull	<i>Larus argentatus</i>				S4	BBS, Stantec Field Data
Caspian tern	<i>Hydroprogne caspia</i>				S2B,SUM	Stantec Field Data
common tern	<i>Sterna hirundo</i>				S4B,SUM	Stantec Field Data
common loon	<i>Gavia immer</i>				S5B, S4N	BBS, Stantec Field Data
American bittern	<i>Botaurus lentiginosus</i>				S4B,SUM	BBS, Stantec Field Data

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Table 10C.1 Avifauna Species Reported Within or Near the Project Area and LAA

Common Name	Latin Name	SARA Status	COSEWIC Status	NL ESA Rank	AC CDC Status	Data Sources
osprey	<i>Pandion haliaetus</i>				S4S5B,SUM	Stantec Field Data
northern harrier	<i>Circus hudsonius</i>				S3B,SUM	Stantec Field Data
northern goshawk	<i>Accipiter gentilis</i>				S3	Stantec Field Data
bald eagle	<i>Haliaeetus leucocephalus</i>				S4	Stantec Field Data
great horned owl	<i>Bubo virginianus</i>				S4	CBC, Stantec Field Data
boreal owl	<i>Aegolius funereus</i>				S4	Stantec Field Data
belted kingfisher	<i>Megaceryle alcyon</i>				S4B, S3N,SUM	BBS, Stantec Field Data
black-backed woodpecker	<i>Picoides arcticus</i>				S4	BBS, Stantec Field Data
downy woodpecker	<i>Dryobates pubescens</i>				S4	CBC, Stantec Field Data
hairy woodpecker	<i>Dryobates villosus</i>				S4	BBS, CBC, Stantec Field Data
northern flicker	<i>Colaptes auratus</i>				S4	BBS, Stantec Field Data
merlin	<i>Falco columbarius</i>				S4S5B,SUM	BBS, Stantec Field Data
olive-sided flycatcher	<i>Contopus cooperi</i>	Schedule 1, Threatened	Special Concern	Threatened	S3B,SUM	BBS, Stantec Field Data
yellow-bellied flycatcher	<i>Empidonax flaviventris</i>				S5B,S5M	BBS, Stantec Field Data
alder flycatcher	<i>Empidonax alnorum</i>				S4B,SUM	BBS
least flycatcher	<i>Empidonax minimus</i>				S2S3?B,SUM	BBS, Stantec Field Data
northern shrike	<i>Lanius borealis</i>				S3N,SUM	CBC
blue-headed vireo	<i>Vireo solitarius</i>				S3B,SUM	BBS, Stantec Field Data
Canada jay	<i>Perisoreus canadensis</i>				S5	BBS, CBC, Stantec Field Data
blue jay	<i>Cyanocitta cristata</i>				S5	BBS, CBC
American crow	<i>Corvus brachyrhynchos</i>				S5	BBS, CBC, Stantec Field Data

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Table 10C.1 Avifauna Species Reported Within or Near the Project Area and LAA

Common Name	Latin Name	SARA Status	COSEWIC Status	NL ESA Rank	AC CDC Status	Data Sources
common raven	<i>Corvus corax</i>				S5	BBS, CBC, Stantec Field Data
bank swallow	<i>Riparia riparia</i>	Schedule 1, Threatened	Threatened		S1S2B,SUM	AC CDC
tree swallow	<i>Tachycineta bicolor</i>				S4B,SUM	BBS, Stantec Field Data
black-capped chickadee	<i>Poecile atricapillus</i>				S5	BBS, CBC, Stantec Field Data
boreal chickadee	<i>Poecile hudsonicus</i>				S4	BBS, CBC, Stantec Field Data
red-breasted nuthatch	<i>Sitta canadensis</i>				S5	BBS, Stantec Field Data
brown creeper	<i>Certhia americana</i>				S3	Stantec Field Data
winter wren	<i>Troglodytes hiemalis</i>				S3B,SUM	BBS
golden-crowned kinglet	<i>Regulus satrapa</i>				S5B, S4N, SUM	BBS, CBC, Stantec Field Data
ruby-crowned kinglet	<i>Regulus calendula</i>				S5B,S5M	BBS, Stantec Field Data
gray-cheeked thrush	<i>Catharus minimus</i>			Threatened	S2B,SUM	BBS
Swainson's Thrush	<i>Catharus ustulatus</i>				S5B,S5M	BBS, Stantec Field Data
hermit thrush	<i>Catharus guttatus</i>				S5B,S5M	BBS, Stantec Field Data
American robin	<i>Turdus migratorius</i>				S5B,S5M	BBS, Stantec Field Data
European starling	<i>Sturnus vulgaris</i>				SNA	BBS, CBC
bohemian waxwing	<i>Bombycilla garrulus</i>				S4N,SUM	CBC
cedar waxwing	<i>Bombycilla cedrorum</i>				S4B,SUM	BBS
house sparrow	<i>Passer domesticus</i>				SNA	BBS, CBC
evening grosbeak	<i>Coccothraustes vespertinus</i>	Special Concern	Special Concern		S4	BBS, CBC
pine grosbeak	<i>Pinicola enucleator</i>				S5	BBS, CBC, Stantec Field Data

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Table 10C.1 Avifauna Species Reported Within or Near the Project Area and LAA

Common Name	Latin Name	SARA Status	COSEWIC Status	NL ESA Rank	AC CDC Status	Data Sources
purple finch	<i>Haemorhous purpureus</i>				S5	BBS
common redpoll	<i>Acanthis flammea</i>				S2S3B, S4N,SUM	BBS, CBC
red crossbill	<i>Loxia curvirostra</i>	Schedule 1, Threatened	Threatened	Endangered	S1S2	BBS
white-winged crossbill	<i>Loxia leucoptera</i>				S5	BBS, Stantec Field Data
pine siskin	<i>Spinus pinus</i>				S4S5	BBS, CBC, Stantec Field Data
American goldfinch	<i>Spinus tristis</i>				S5	BBS, CBC, Stantec Field Data
fox sparrow	<i>Passerella iliaca</i>				S5B,S5M	BBS, Stantec Field Data
American tree sparrow	<i>Spizelloides arborea</i>				S3B,SUM	CBC
dark-eyed junco	<i>Junco hyemalis</i>				S5	BBS, CBC, Stantec Field Data
white-crowned sparrow	<i>Zonotrichia leucophrys</i>				S4B,SUM	Stantec Field Data
white-throated sparrow	<i>Zonotrichia albicollis</i>				S5B,S5M	BBS, CBC, Stantec Field Data
vesper sparrow	<i>Pooecetes gramineus</i>				SNA	Stantec Field Data
savannah sparrow	<i>Passerculus sandwichensis</i>				S5B,S5M	BBS, Stantec Field Data
song sparrow	<i>Melospiza melodia</i>				S4B,SUM	Stantec Field Data
Lincoln's sparrow	<i>Melospiza lincolnii</i>				S5B,S5M	BBS, Stantec Field Data
swamp sparrow	<i>Melospiza georgiana</i>				S5B,S5M	BBS, Stantec Field Data
rusty blackbird	<i>Euphagus carolinus</i>	Schedule 1, Special Concern	Special Concern	Vulnerable	S2S3B,SUM	BBS, Stantec Field Data
ovenbird	<i>Seiurus aurocapilla</i>				S3B,SUM	BBS, Stantec Field Data
northern waterthrush	<i>Parkesia noveboracensis</i>				S5B,S5M	BBS, Stantec Field Data
black-and-white warbler	<i>Mniotilta varia</i>				S5B,S5M	BBS, Stantec Field Data

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Table 10C.1 Avifauna Species Reported Within or Near the Project Area and LAA

Common Name	Latin Name	SARA Status	COSEWIC Status	NL ESA Rank	AC CDC Status	Data Sources
Tennessee warbler	<i>Leiothlypis peregrina</i>				S4B,SUM	BBS
Nashville warbler	<i>Leiothlypis ruficapilla</i>				S2B,SUM	BBS, Stantec Field Data
mourning warbler	<i>Geothlypis philadelphia</i>				S4B,SUM	BBS, Stantec Field Data
common yellowthroat	<i>Geothlypis trichas</i>				S5B,S5M	BBS, Stantec Field Data
American redstart	<i>Setophaga ruticilla</i>				S5B,S5M	BBS, Stantec Field Data
magnolia warbler	<i>Setophaga magnolia</i>				S4B,SUM	BBS, Stantec Field Data
bay-breasted warbler	<i>Setophaga castanea</i>				S2B,SUM	BBS, Stantec Field Data
yellow warbler	<i>Setophaga petechia</i>				S5B,S5M	BBS, Stantec Field Data
blackpoll warbler	<i>Setophaga striata</i>				S5B,S5M	BBS, Stantec Field Data
palm warbler	<i>Setophaga palmarum</i>				S5B,S5M	BBS, Stantec Field Data
pine warbler	<i>Setophaga pinus</i>				SNA	Stantec Field Data
yellow-rumped warbler	<i>Setophaga coronata</i>				S5B,S5M	BBS, Stantec Field Data
black-throated green warbler	<i>Setophaga virens</i>				S5B,S5M	BBS, Stantec Field Data
Wilson's warbler	<i>Cardellina pusilla</i>				S5B,S5M	BBS, Stantec Field Data
rose-breasted grosbeak	<i>Pheucticus ludovicianus</i>				SNA	CBC
Species at Risk are reported in bold text.						