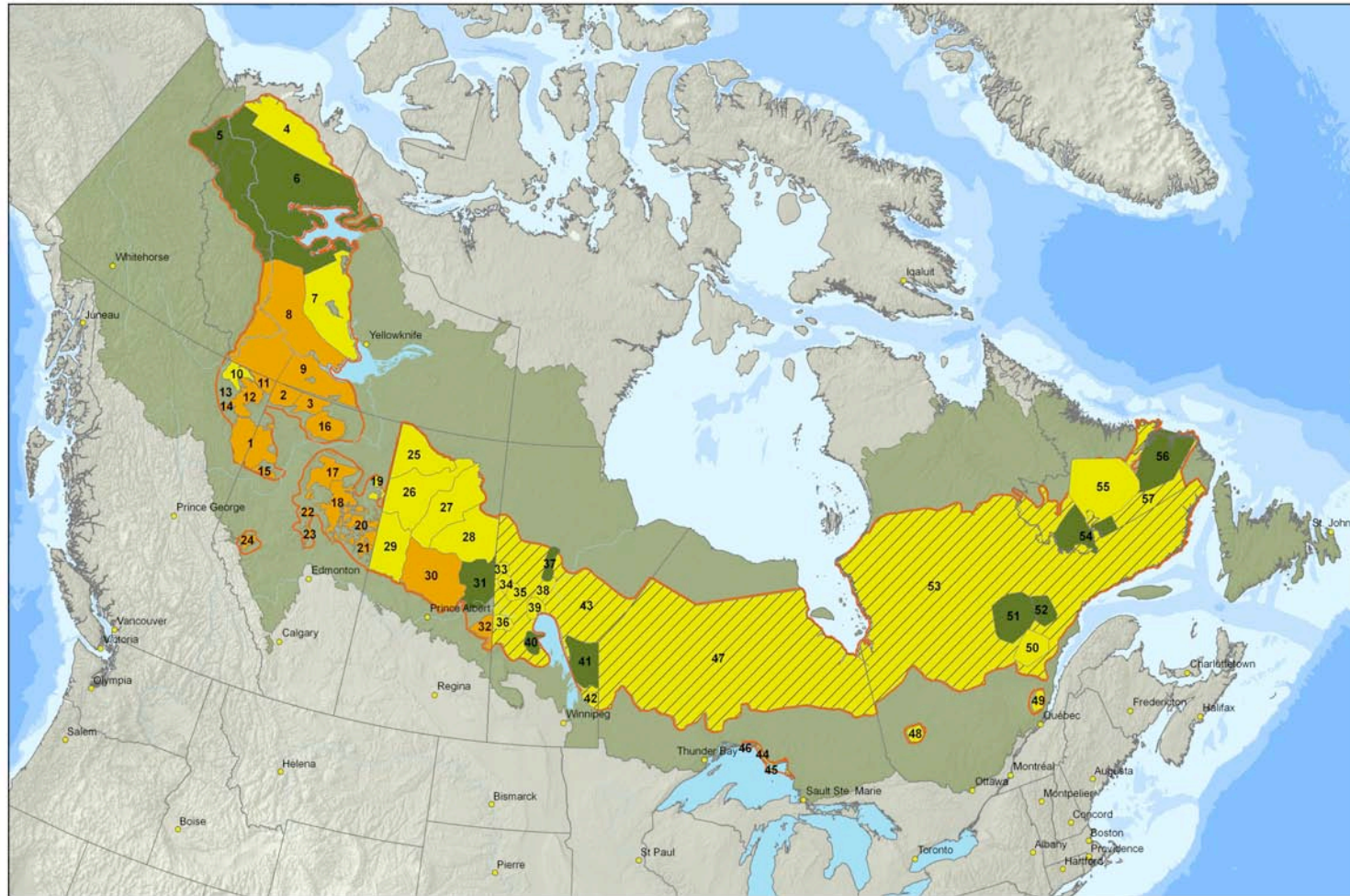


Habitat needed for the survival of Boreal woodland caribou – an interpretation of Environment Canada’s scientific review of boreal woodland caribou critical habitat recommendations



Habitat needed for the survival of boreal woodland caribou

- Where are boreal woodland caribou?
- Boreal region of Canada
- Action needed for survival
- Maintain habitat
- Improve habitat
- Disturbance possible
- Identification of populations or management units required

Projection: Lambert Conformal Conic
Datum: NAD 1927

Source: Environment Canada (2008). Scientific review for the identification of critical habitat for woodland caribou (Rangifer tarandus caribou), Boreal population, in Canada. Ottawa, ON: 252 pp.

Habitat needed for the survival of Boreal woodland caribou

An interpretation of Environment Canada's scientific review of boreal woodland caribou critical habitat recommendations

Map ref #	Name of the boreal woodland caribou herd or "local population"	Number of boreal woodland caribou (Trend)[1]	Size of the home range (km ²)[2]	Condition of the home range (% disturbed)[3]	Chance of survival without action[4]	Action needed for survival
<i>Alberta -</i>						
1	Chinchaga (AB/BC)	250-300 (Declining)	28,499	Very highly disturbed (63%)	20%	Improve habitat
2	Bistcho (AB/NWT)	300 (Declining)	9,278	Highly disturbed (58%)	20%	Improve habitat
3	Steen River (AB/NWT)	300 (Unknown)	8,551	Highly disturbed (57%)	40%	Improve habitat
15	Deadwood (AB)	40 (Declining)	2,590	Very highly disturbed (67%)	10%	Improve habitat
16	Caribou Mountains (AB)	400-500 (Declining)	14,136	Highly disturbed (55%)	30%	Improve habitat
17	Red Earth (AB)	250-350 (Declining)	16000	Highly disturbed (59%)	20%	Improve habitat
18	West Side Athabasca River (AB)	300-400 (Declining)	15,028	Moderately disturbed (45%)	40%	Improve habitat
19	Richardson (AB)	<100 (Unknown)	2,689	Moderately disturbed (37%)	40%	Maintain habitat
20	East Side Athabasca River	150-250 (Declining)	14,694	Very highly disturbed (62%)	20%	Improve habitat
21	Cold Lake Air Weapons Range (AB)	100-150 (Declining)	2,680	Very highly disturbed (66%)	20%	Improve habitat
22	Nipisi (AB)	60-70 (Unknown)	2,078	Highly Disturbed (50%)	40%	Improve habitat
23	Slave Lake (AB)	75 (Unknown)	1,339	Very highly disturbed (82%)	30%	Improve habitat
24	Little Smoky (AB)	80 (Declining)	2,929	Very highly disturbed (82%)	20%	Improve habitat
<i>Northwest Territories -</i>						
2	Bistcho (AB/NWT)	300 (Declining)	9,278	Highly disturbed (58%)	20%	Improve habitat
3	Steen River (AB/NWT)	300 (Unknown)	8,551	Highly disturbed (57%)	40%	Improve habitat
4	Inuvialuit (NWT)	Unknown	43,576	Very limited disturbance (3.1%)	60%	Maintain habitat
5	Gwitch'in (NWT/YK)	500 (Increasing)	46,143	Moderately disturbed (36%)	80%	Disturbance possible

6	Sahtu (NWT)	2000 (Unknown)	182,093	Low disturbance (23%)	60%	Disturbance possible
7	North Slave (NWT)	700 (Unknown)	58,635	Moderately disturbed (37%)	50%	Maintain habitat
8	Deh Cho, N and SW (NWT)	2000 (Declining)	113,373	Moderately disturbed (43%)	40%	Improve habitat
9	South Slave and SE Dehcho (NWT)	600 (Declining)	33,676	Moderately disturbed (47%)	40%	Improve habitat
<i>British Columbia</i>						
1	Chinchaga (AB/BC)	250-300 (Declining)	28,499	Very highly disturbed (63%)	20%	Improve habitat
10	Maxhamish (BC)	306 (Unknown)	7,101	Moderately disturbed (46%)	50%	Maintain habitat
11	Calendar (BC)	291 (Unknown)	49,634	Highly disturbed (52%)	40%	Improve habitat
12	Snake-Sahtaneh (BC)	365 (Declining)	11,988	Very highly disturbed (63%)	20%	Improve habitat
13	Parker Core (BC)	24 (Unknown)	225	Moderately disturbed (35%)	40%	Maintain habitat
14	Prophet Core (BC)	54 (Unknown)	916	Very highly disturbed (72%)	30%	Improve habitat
<i>Saskatchewan -</i>						
25	Davy-Athabasca (SK)	310 (Unknown)	31,868	Moderately disturbed (35%)	50%	Maintain habitat
26	Clearwater (SK)	425 (Unknown)	47,185	Highly disturbed (54%)	40%	Maintain habitat
27	Highrock-Key (SK)	1,060 (Unknown)	43,933	Moderately disturbed (47%)	50%	Maintain habitat
28	Steephill-Foster (SK)	1,075	42,216	Moderately disturbed (40%)	50%	Maintain habitat
29	Primrose-Cold Lake (SK)	350 (Unknown)	32,207	Highly disturbed (52%)	40%	Maintain habitat
30	Smoothstone-Wapawekka (SK)	700 (Declining)	49,882	Moderately disturbed (30%)	40%	Improve habitat
31	Suggi-Amisk-Kississing (SK)	700 (Declining)	24,879	Low disturbance (20%)	60%	Disturbance possible
32	Pasquia-Bog (SK)	30 (Declining)	6,824	Moderately disturbed (36%)	20%	Improve habitat
<i>Manitoba</i>						
33	Kississing (MB)	50-75 (Stable)	3,170	Highly disturbed (51%)	40%	Maintain habitat

34	Naosap (MB)	100-200 (Stable)	4,570	Moderately disturbed (41%)	50%	Maintain habitat
35	Reed (MB)	100-150 (Stable)	3,574	Moderately disturbed (28%)	50%	Maintain habitat
36	The Bog (MB)	50-75 (Stable)	6,290	Moderately disturbed (28%)	50%	Maintain habitat
37	Wapisu (MB)	100-125 (Stable)	5,650	Low disturbance (23%)	60%	Disturbance possible
38	Wabowden (MB)	200-225 (Stable)	4,882	Moderately disturbed (29%)	50%	Maintain habitat
39	William Lake (MB)	25-40 (Stable)	4,464	Moderately disturbed (28%)	40%	Maintain habitat
40	North Interlake (MB)	50-75 (Stable)	4,897	Low disturbance (17%)	60%	Disturbance possible
41	Atikaki-Berens (MB)	300-500 (Stable)	21,141	Moderately disturbed (28%)	70%	Disturbance possible
42	Owl Lake- Flintstone (MB)	71-85 (Stable)	3,636	Moderately disturbed (44%)	50%	Maintain habitat
43	Manitoba - remainder of population of boreal woodland caribou (MB)	775-1585 (Stable)	149,584	Moderately disturbed (29%)	70%	Maintain habitat
<i>Ontario</i>						
44	North East Superior (ON)	42 (Declining)	1,516	Very low disturbance (0%)	40%	Improve habitat
45	Michipicoten Island (ON)	200 (Increasing)	372	Low disturbance (21%)	60%	Disturbance possible
46	Slate Islands (ON)	250 (Unknown)	66	Very low disturbance (0%)	60%	Maintain habitat
47	Ontario – remainder of the population of boreal woodland caribou (ON)	5,000 (Unknown)	453,310	Low disturbance (19%)	60%	Maintain habitat
<i>Québec</i>						

48	Val d'Or (QC)	30 (Declining)	3,469	Highly disturbed (50%)	20%	Improve habitat
49	Charlevoix (QC)	75 (Stable)	3,128	Very highly disturbed (70%)	40%	Maintain habitat
50	Pipmuacan (QC)	134 (Stable)	13,769	Highly disturbed (53%)	40%	Maintain habitat
51	Manouane (QC)	358 (Stable)	27,165	Moderately disturbed (25%)	70%	Disturbance possible
52	Manicouagan (QC)	181 (Increasing)	11,341	Moderately disturbed (31%)	60%	Disturbance possible
53	Quebec - remainder of the population of boreal woodland caribou (QC)	6,000-12,000	621,562	Moderately disturbed (26%)	70%	Maintain habitat
<i>Newfoundland and Labrador (Labrador boreal populations only)</i>						
54	Lac Joseph (NL)	1,101 (Decline)	58,024	Very low disturbance (6%)	60%	Disturbance possible
55	Red Wine Mountain (NL)	97 (Decline)	58,387	Very low disturbance (11%)	40%	Maintain habitat
56	Mealy Mountain (NL)	2,106 (Stable)	39,485	Very low disturbance (1%)	80%	Disturbance possible
57	Labrador - remainder of the population of boreal woodland caribou (NL)	Unknown	51,773	Very low disturbance (10%)	60%	Maintain habitat

[1] "Number of boreal woodland caribou (trend)" is the "reported" population and the category of population trend identified in the Scientific Review.

[2] "Size of the homerange (km²)" was determined from a GIS assessment of the ranges identified in the Scientific Review.

[3] "Condition of the homerange (% disturbed)" is the category and total percentage of range disturbance identified in the Scientific Review.

[4] "Chance of survival without action" is the probability of persistence identified in the Scientific Review. The Scientific Review defines "persistence" as "a measure of extinction risk" (p. 3).