



APPENDIX 12B

BATHURST CARIBOU HERD SEASONAL AREA AND CONFIGURATION OF HABITAT TYPES



Tables

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Table 12B-1 Area and Configuration of Habitat Types within the Bathurst Caribou Herd Spring Range during Reference Condition, Baseline Condition, Application Case, and Reasonably Foreseeable Development Case

Habitat Type	Total Area (ha)				Percent of the Landscape				Number of Patches				Mean Patch Area (ha)				Mean Nearest Neighbour Distance (m)			
	Reference	Baseline	Application	RFD	Reference	Baseline	Application	RFD	Reference	Baseline	Application	RFD	Reference Reference Condition, Baseline Condition, Application Case, and Reasonably Foreseeable Development (RFD) Case	Baseline	Application	RFD	Reference	Baseline	Application	RFD
Lichen Veneer	733,650	732,806	732,806	731,644	3.67	3.66	3.66	3.66	12,389	12,347	12,347	12,343	59.22	59.35	59.35	59.28	951	953	953	953
Unvegetated	4,371,638	4,360,613	4,360,100	4,358,069	21.85	21.80	21.79	21.78	59,757	59,728	59,728	59,708	73.16	73.01	73.00	72.99	692	693	693	693
Esker	136,888	135,819	135,788	135,606	0.68	0.68	0.68	0.68	2,897	2,894	2,894	2,897	47.25	46.93	46.92	46.81	1,542	1,550	1,550	1,539
Riparian Shrub	24,713	24,638	24,625	24,625	0.12	0.12	0.12	0.12	2,811	2,805	2,804	2,804	8.79	8.78	8.78	8.78	1,909	1,909	1,909	1,909
Sedge Association	724,119	722,100	722,069	721,813	3.62	3.61	3.61	3.61	28,786	28,743	28,740	28,726	25.16	25.12	25.12	25.13	837	838	838	839
Heath Tundra / Heath Rock	8,318,456	8,297,144	8,296,431	8,283,044	41.58	41.47	41.47	41.40	16,521	16,574	16,574	16,582	503.51	500.61	500.57	499.52	625	625	625	625
Forest	4,514,175	4,502,200	4,502,200	4,497,225	22.56	22.50	22.50	22.48	21,936	21,957	21,957	21,961	205.79	205.05	205.05	204.78	602	602	602	602
Rock Association	61,906	58,575	58,575	58,513	0.31	0.29	0.29	0.29	4,104	4,072	4,072	4,072	15.08	14.38	14.38	14.37	1,671	1,669	1,669	1,669
Peat Bog	204,819	204,319	204,319	204,275	1.02	1.02	1.02	1.02	12,980	12,961	12,961	12,962	15.78	15.76	15.76	15.76	1,082	1,082	1,082	1,082
Old Burn	48,375	48,175	48,175	48,169	0.24	0.24	0.24	0.24	1,890	1,882	1,882	1,881	25.60	25.60	25.60	25.61	1,693	1,698	1,698	1,689
Young Burn	865,844	863,050	863,050	862,925	4.33	4.31	4.31	4.31	4,803	4,812	4,812	4,811	180.27	179.35	179.35	179.37	998	997	997	997

RFD = reasonably foreseeable development; ha = hectare; m = metre.

Table 12B-2 Area and Configuration of Habitat Types within the Bathurst Caribou Herd Post-calving Range during Reference Condition, Baseline Condition, Application Case, and Reasonably Foreseeable Development Case

Habitat Type	Total Area (ha)				Percent of the Landscape				Number of Patches				Mean Patch Area (ha)				Mean Nearest Neighbour Distance (m)			
	Reference	Baseline	Application	RFD	Reference	Baseline	Application	RFD	Reference	Baseline	Application	RFD	Reference	Baseline	Application	RFD	Reference	Baseline	Application	RFD
Lichen Veneer	530,038	529,294	529,294	527,656	5.95	5.95	5.95	5.93	10,164	10,124	10,124	10,124	52.15	52.28	52.28	52.12	922	924	924	925
Unvegetated	1,730,306	1,724,850	1,724,338	1,722,669	19.44	19.38	19.37	19.35	24,045	24,011	24,011	23,998	71.96	71.84	71.81	71.78	733	734	734	734
Esker	72,794	71,875	71,844	71,663	0.82	0.81	0.81	0.81	1,557	1,552	1,552	1,558	46.75	46.31	46.29	46.00	1,499	1,514	1,515	1,508
Riparian Shrub	19,844	19,769	19,756	19,756	0.22	0.22	0.22	0.22	2,185	2,179	2,178	2,178	9.08	9.07	9.07	9.07	1,682	1,683	1,682	1,682
Sedge Association	314,250	313,075	313,044	312,819	3.53	3.52	3.52	3.51	17,101	17,058	17,055	17,044	18.38	18.35	18.36	18.35	813	815	815	815
Heath Tundra / Heath Rock	6,030,963	6,012,950	6,012,238	5,998,619	67.76	67.55	67.55	67.39	3,561	3,604	3,604	3,617	1693.61	1668.41	1668.21	1658.45	568	568	569	569
Forest	154,313	154,188	154,188	154,188	1.73	1.73	1.73	1.73	5,006	5,007	5,007	5,007	30.83	30.79	30.79	30.79	632	633	633	633
Rock Association	20,881	17,775	17,775	17,694	0.23	0.20	0.20	0.20	1,323	1,297	1,297	1,294	15.78	13.70	13.70	13.67	2,117	2,113	2,113	2,117
Peat Bog	26,919	26,919	26,919	26,919	0.30	0.30	0.30	0.30	2,018	2,018	2,018	2,018	13.34	13.34	13.34	13.34	1,024	1,024	1,024	1,024
Old Burn	369	369	369	369	0.00	0.00	0.00	0.00	47	47	47	47	7.85	7.85	7.85	7.85	5,994	5,994	5,994	5,994
Young Burn	188	188	188	188	0.00	0.00	0.00	0.00	22	22	22	22	8.52	8.52	8.52	8.52	7,728	7,728	7,728	7,728

RFD = reasonably foreseeable development; ha = hectare; m = metre.

Table 12B-3 Area and Configuration of Habitat Types within the Bathurst Caribou Herd Autumn Range during Reference Condition, Baseline Condition, Application Case, and Reasonably Foreseeable Development Case

Habitat Type	Total Area (ha)				Percent of the Landscape				Number of Patches				Mean Patch Area (ha)				Mean Nearest Neighbour Distance (m)			
	Reference	Baseline	Application	RFD	Reference	Baseline	Application	RFD	Reference	Baseline	Application	RFD	Reference	Baseline	Application	RFD	Reference	Baseline	Application	RFD
Lichen Veneer	318,175	317,463	317,463	316,113	2.29	2.28	2.28	2.27	8,043	8,000	8,000	8,003	39.56	39.68	39.68	39.50	1,091	1,094	1,094	1,094
Unvegetated	3,204,094	3,194,563	3,194,050	3,192,644	23.04	22.97	22.97	22.96	42,519	42,497	42,497	42,485	75.36	75.17	75.16	75.15	686	687	687	687
Esker	117,488	116,419	116,388	116,269	0.84	0.84	0.84	0.84	2,568	2,565	2,565	2,568	45.75	45.39	45.38	45.28	1,458	1,467	1,467	1,467
Riparian Shrub	22,538	22,463	22,450	22,450	0.16	0.16	0.16	0.16	2,510	2,504	2,503	2,503	8.98	8.97	8.97	8.97	1,696	1,703	1,702	1,702
Sedge Association	571,363	569,344	569,313	569,100	4.11	4.09	4.09	4.09	27,182	27,137	27,134	27,124	21.02	20.98	20.98	20.98	820	821	821	822
Heath Tundra / Heath Rock	7,402,375	7,381,056	7,380,344	7,369,069	53.23	53.08	53.08	52.99	11,794	11,845	11,845	11,858	627.64	623.14	623.08	621.44	605	605	605	605
Forest	1,846,856	1,839,913	1,839,913	1,839,913	13.28	13.23	13.23	13.23	19,248	19,263	19,263	19,263	95.95	95.52	95.52	95.52	605	605	605	605
Rock Association	21,325	18,013	18,013	18,013	0.15	0.13	0.13	0.13	1,377	1,346	1,346	1,346	15.49	13.38	13.38	13.38	2,479	2,491	2,491	2,491
Peat Bog	174,663	174,231	174,231	174,231	1.26	1.25	1.25	1.25	10,576	10,561	10,561	10,561	16.52	16.50	16.50	16.50	979	979	979	979
Old Burn	11,738	11,613	11,613	11,613	0.08	0.08	0.08	0.08	542	539	539	539	21.66	21.54	21.54	21.54	2,614	2,622	2,622	2,622
Young Burn	213,644	213,456	213,456	213,456	1.54	1.54	1.54	1.54	1,219	1,222	1,222	1,222	175.26	174.68	174.68	174.68	1,096	1,095	1,095	1,095

RFD = reasonably foreseeable development; ha = hectare; m = metre.

Table 12B-4 Area and Configuration of Habitat Types within the Bathurst Caribou Herd Winter Range during Reference Condition, Baseline Condition, Application Case, and Reasonably Foreseeable Development Case

Habitat Type	Total Area (ha)				Percent of the Landscape				Number of Patches				Mean Patch Area (ha)				Mean Nearest Neighbour Distance (m)			
	Reference	Baseline	Application	RFD	Reference	Baseline	Application	RFD	Reference	Baseline	Application	RFD	Reference	Baseline	Application	RFD	Reference	Baseline	Application	RFD
Non-productive/data deficient	92,996	92,704	92,704	92,696	0.58	0.58	0.58	0.58	8,693	8,631	8,631	8,629	10.70	10.74	10.74	10.74	1,153	1,156	1,156	1,156
Exposed Land/Rock	1,029,164	1,022,668	1,022,668	1,022,288	6.45	6.41	6.41	6.41	87,361	87,258	87,258	87,231	11.78	11.72	11.72	11.72	532	532	532	532
Bryoids	646,288	645,880	645,880	645,860	4.05	4.05	4.05	4.05	51,646	51,581	51,581	51,578	12.51	12.52	12.52	12.52	580	580	580	580
Shrub	1,200,964	1,199,044	1,199,044	1,198,492	7.53	7.52	7.52	7.51	107,765	107,545	107,545	107,522	11.14	11.15	11.15	11.15	516	516	516	516
Bog/Fen	705,380	703,664	703,664	703,232	4.42	4.41	4.41	4.41	66,638	66,408	66,408	66,381	10.59	10.60	10.60	10.59	623	624	624	624
Coniferous	4,343,380	4,333,168	4,333,168	4,330,516	27.23	27.17	27.17	27.15	64,944	65,053	65,053	65,083	66.88	66.61	66.61	66.54	459	459	459	459
Broadleaf	342,088	340,976	340,976	340,972	2.14	2.14	2.14	2.14	43,362	43,254	43,254	43,253	7.89	7.88	7.88	7.88	645	646	646	646
Mixedwood	350,476	349,996	349,996	349,788	2.20	2.19	2.19	2.19	42,337	42,282	42,282	42,255	8.28	8.28	8.28	8.28	587	587	587	587
Water	3,461,832	3,441,804	3,441,804	3,445,152	21.70	21.58	21.58	21.60	83,011	83,081	83,081	83,055	41.70	41.43	41.43	41.48	533	533	533	533
Burn	3,776,528	3,765,520	3,765,520	3,765,408	23.68	23.61	23.61	23.61	829	866	866	870	4555.52	4348.18	4348.18	4328.06	1,880	1,814	1,814	1,794

RFD = reasonably foreseeable development; ha = hectare; m = metre.