Table A1: Operation period of PinpointVHF-50 tags.

Type of operation	Average launch date	Average retrieved date	Daily period	Duration	Interval
Acquisition of GPS positions	June 4th	July 21st	6h40-8h 12h40-14h	1h20	20 min
Telemetry Tracking			7h-10h 13h-16h	3h	2 days
Downloading data			9h-10h 15h-16h	1h	2 days

Table A2: Decay classes of standing live and dead trees (adapted from Tyrrell and Crow 1994, Bergeron et al. 1997, Tremblay et al. 2010).

Class	**Leaves**	**Bark**	**Top and height**
Live tree			
1	≥ 95%	100%	Intact
2	20 < *x* < 95%	> 90%	Intact
3	< 20%	> 75%	Intact
Dead tree			
4	Present but dead	> 90%	Intact
5	Absent	> 50%	Intact
6	Absent	< 50%	Broken
7	Absent	Absent	Broken, height < 50%
8	Absent	Absent	< 2m

Table A3: Proportion of habitat used and available at landscape scale.

	Salvage logging	Regeneration	Young forests	Mature forests	Old-growth forests	Defoliated stands	Mortality stands
Available proportion in study area (%)							
	6	9	26	23	11	14	7
Home range habitat proportion (%)							
TagID							
44263	6	3	3	9	0	33	46
44264	16	0	8	20	6	23	26
44265	13	22	17	8	0	18	21
44266	9	0	15	15	14	37	8
44267	6	0	4	2	13	39	37
Mean (se)	10 (2)	5 (4)	10 (3)	11 (3)	7 (3)	30 (4)	28 (7)

Table A4: Proportion of habitat used and available within home range scale.

	Salvage logging	Regeneration	Young forests	Mature forests	Old-growth forests	Defoliated stands	Mortality stands
Available proportion (%)							
44263	6	3	3	9	0	33	46
44264	16	0	8	20	6	23	26
44265	13	22	17	8	0	18	21
44266	9	0	15	15	14	37	8
44267	6	0	4	2	13	39	37
Mean (se)	10 (2)	5 (4)	10 (3)	11 (3)	7 (3)	30 (4)	28 (7)
Used location proportion (%)							
44263	14	0	0	10	0	24	52
44264	14	0	15	6	3	20	42
44265	2	7	7	15	0	21	49
44266	16	0	14	11	0	49	10
44267	0	0	8	14	0	31	47
Mean (se)	9 (3)	1 (1)	9 (3)	11 (1)	1 (1)	29 (5)	40 (8)

Table A5: Mean (SD) of the structural attributes of plots around the nest (used) and available plots.

	Available					Used		
	Defoliated stands (N=5)	Mortality stands (N=6)	Salvage logging (N=5)	Mature forest (N=1)	Total (N=17)	Defoliated stands (N=5)	Salvage logging (N=7)	Total (N=12)
Snag's dbh (cm)	12.7 (2.0)	14.6 (2.5)	12.1 (2.4)	11.9	13.1 (2.4)	16.7 (2.3)	16.7 (6.1)	16.7 (4.7)
Alive tree dbh (cm)	15.2 (1.9)	9.0 (7.0)	2.0 (4.5)	13.2	9.0 (7.0)	15.0 (8.8)	6.2 (8.2)	9.9 (9.2)
Stump diameter (cm)	2.2 (4.9)	20.0 (6.2)	21.3 (3.5)	0	14.0 (10.3)	8.5 (11.8)	14.3 (9.8)	11.9 (10.6)
Density of alive trees (trees/ha)	1460 (703)	758 (826)	15.0 (33.5)	1350	781 (828)	740 (503)	82 (175)	356 (473)
Density of snags (snags/ha)	700 (519)	413 (322)	125 (64)	125	396 (396)	655 (350)	371 (419)	490 (402)
Basal area of alive trees (m^2/ha)	26.5 (10.1)	14.1 (15.5)	0.1 (0.3)	19.7	14.0 (14.5)	22.7 (14.9)	1.6 (3.2)	10.4 (14.3)
Volume of early-decayed snags (m^3/ha)	51.2 (51.1)	10.2 (18.6)	4.2 (1.9)	2.2	20.0 (34.6)	88.9 (50.4)	28.3 (44.7)	53.5 (54.7)
Volume of late decay snags (m^3/ha)	39.2 (31.6)	37.9 (31.5)	9.8 (3.7)	6.0	28.1 (27.8)	64.8 (53.4)	40.2 (28.2)	50.5 (40.4)
Volume of early-decayed fallen logs (m^3/ha)	7.8 (13.3)	17.8 (19.7)	25.5 (15.9)	0	16.1 (17.2)	26.9 (26.7)	55.6 (47.5)	43.6 (41.3)
Volume of late decay fallen logs (m^3/ha)	9.9 (12.9)	32.7 (22.1)	19.4 (7.4)	2.4	20.3 (17.9)	36.4 (42.2)	22.7 (30.5)	28.4 (34.7)
Volume of early-decayed dead wood (m^3/ha)	58.9 (61.5)	28.0 (37.9)	29.7 (15.5)	2.2	36.1 (41.5)	116.0 (63.4)	83.9 (61.4)	97.2 (61.6)
Volume of late decay dead wood (m^3/ha)	52.8 (51.0)	81.1 (44.5)	32.3 (8.6)	26.2	55.2 (41.9)	103.0 (83.8)	62.9 (55.7)	79.7 (68.4)
Basal area of stump (m^2/ha)	58.9 (61.5)	28.0 (37.9)	29.7 (15.5)	2.2	20.1 (21.9)	116.0 (63.4)	83.9 (61.4)	25.8 (27.8)