

# A Synthesis and Interpretation of the Biology of Woodland Caribou on the Island of Newfoundland

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December 2000



## Distribution and Movement of the Gros Morne Caribou Herd

Volume 8

**A SYNTHESIS AND INTERPRETATION OF  
THE BIOLOGY OF WOODLAND CARIBOU  
ON THE ISLAND OF NEWFOUNDLAND**

Final Report  
December 2000

**VOLUME 8**

**DISTRIBUTION AND MOVEMENT  
OF THE GROS MORNE  
CARIBOU HERD**

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## Foreword

Perhaps nowhere else on earth has the power of place so completely invaded the soul and psyche of a people as in Newfoundland. The extraordinary sense of home our people have developed and continue to share is the manifest destiny of a human culture tied to the seasons and rhythms of land and sea, of nature in all her moods and obsessions. It is a destiny characterised by an abiding interest in and love for the creatures and landscapes that collectively define the wild beauty of this great island. Wildlife, in all its myriad forms, is an irreplaceable element of our world view and influences fundamentally our sense of values and our definition of what the good in life entails. Wild creatures are for Newfoundlanders an enduring source of pride and fascination, and knowledge of them is highly regarded. Whether in the pub, community store, cabin or kitchen, the health and abundance of wildlife is a topic of general and passionate discussion.

The conservation of wildlife species, our first resource, depends ultimately upon how well we understand their biology. No amount of passionate concern can, by itself, guide their continued abundance and vitality; only a detailed knowledge of their requirements for space and food, their interactions with predators and competitors, and their limits of tolerance for human intrusions, can accomplish this. Even then, their future is not assured. Without this knowledge however, their disappearance almost certainly is. Too many times we have witnessed the grim outcomes of nature exceeded, the insurmountable realities of once abundant populations laid waste and their recovery a process entirely beyond our ken and influence. For the world entire these episodic holocausts are proving collectively the greatest challenge to prosperity and peace; for cultures such as ours their impacts are immediate and devastating to both economy and pride. No species, no matter how prolific, no matter how abundant, indeed no matter how esteemed, is beyond the reach of such crisis. The precipitous and long to be lamented collapse of the great shoals of cod should be all we ever need to remember!

Caribou have undertaken their relentless wanderings of this island for millennia. Visiting or perhaps even persisting during the last great ice advance, they were undoubtedly here when the first humans arrived some five thousand years ago. For these, the Maritime Archaic Indians, as for the next groups, the Groswater and Dorset Palaeo-Eskimos arriving around 800 to 600 B.C. respectively, and for the Recent Indians which tracked their way to the island in the first five centuries A.D., caribou were the one terrestrial mammal to occur in large and predictable numbers. The animal's signal importance to the indigenous Beothuck is well known, and we may expect that even the earlier more seafaring cultures relied upon caribou as an important, if not vital, seasonal source of food and fur. Certainly through the long period of European settlement the caribou, or "deer" as they have long been referred to, represented a major source of fresh meat to communities of men isolated by geography and season, and their pursuit was a predictable part of the hunter-gatherer life rhythm that persists in significant measure unto present day.

As times and economies have changed the absolute necessity of caribou as a source of sustenance has modified, evolving through a period of direct commercial exploitation earlier in this century to becoming today a more complex resource relationship tied to tourism and the maintenance of cultural vitality and traditions. The sudden appearance of caribou in any region of the island, a phenomenon tied to their wandering predispositions and highly evolved relationship with slow-to-change vegetation communities, is an unending source of excitement and wonder. The gentle disposition and graceful beauty of these animals, combined with their gregarious habits and approachability, make them a signal species, helping to define for all Newfoundlanders their perceptions of home as a place of wild

beauty and natural blessings. It is for these many reasons, both primitive and more humanistic, that the conservation of caribou must represent an enduring concern for our people.

Fortunately the attributes that have led to and yet define the importance of caribou in the Newfoundland context have meant that their historical fluctuations may be traced from the remarks of many observers. From the impassioned accounts of hunter naturalists early this century, to the more rigorous academic presentations on Newfoundland by respected historians, as well as the reported remarks of legislators and editorialists, we can now compile the long arc of caribou abundance. From this we understand that great extremes in numbers have occurred, and that in the early twentieth century a rapid and deep decline presaged a protracted rareness that persisted until the 1960's. For many of us today this is hard to imagine, used as we are to the great herds that now exist virtually island wide. The reality is however that we have entered the new millennium perhaps poised once more for a great change in caribou numbers, a change that would have significant implications for those traditions and economies reliant on abundant and tractable herds. How would we prepare ourselves?

To assess the background and context of such change and to delineate its probabilities and magnitudes required a complete review and interpretation of information existing on Newfoundland herds. The idea developed here has no precedent I am aware of in the annals of Newfoundland wildlife; and very few, for that matter, anywhere in the world. It is ground breaking work of great magnitude and complexity; essentially the scientific history of Newfoundland's only indigenous ungulate, as witnessed by generations and studied by field naturalists and scientists for fifty years. Every fragment of significant information available on the twelve native and twenty-three introduced herds is scrutinized, validated, and presented, resulting in one all-inclusive library of caribou information. Furthermore, the information is analysed in a comprehensive way, illuminating the interactive and often codependant processes of physical and demographic change which are at once the evolutionary engines of nature and the sign posts wildlife managers use to measure the cadence and position of animal responses to their environments.

By studying the past and present for Newfoundland herds in this fashion, the current work strives to represent the various populations as living entities engaged in an unending organic engagement with the landscapes, weather and people of this island. Uniquely, it attends to these relationships with the full expectation that the herds are also engaged in an unending pursuit of one another, operating as one giant organism that periodically divides and fuses its component parts, retreating during times of resource scarcity and high mortality, and expanding as conditions and opportunities improve. The findings presented here are therefore of significant value to the broad scientific community, coursing as they do along the wave crest of modern meta-population theory; and they will offer much as well to those who more specifically seek an understanding of large mammal dynamics. The stature of this work therefore reflects Newfoundland's long standing commitment to professional wildlife science, which is itself the very signature of professional wildlife management. Science, by definition, is a pursuit of understanding that is retraceable along contours of broadly applicable principles. That Newfoundland governments have for fifty years maintained a commitment to such ideals is a sign of maturity and stature that should be safeguarded at all costs. That we can meaningfully contribute to the world's collective memory and understanding of wildlife ecology is a position of statesmanship and a legacy of inestimable value.

Of course the immediate and greatest purpose of this exercise is to provide a framework for the long term management of insular Newfoundland caribou. It is to this end that the comments and efforts of so many have for so long been directed; and it is upon this objective that my own research efforts have focussed for the last twenty years. Throughout this period I was fortunate to have inherited a great treasure of information, a vigorous legacy upon which to fashion further advances in our understanding

of caribou. I was also fortunate to work in an organization, the Newfoundland and Labrador Wildlife Division, that understood the purpose and value of such work. Thus, this effort should be viewed as one significant step on a long and continuing journey; no more...and no less. Along the way there have been many contributors, as there must always be if significant history is to exist.

Of all such contributors, none can be held in higher esteem than the small but dedicated group of wildlife field men who traversed this island by foot, aircraft, boat and snowmachine to record the biology, abundance and welfare of caribou. Beyond any question their efforts will stand as an emblem to what dedicated public service to both ideals and nation really means. Without their perseverance and ingenuity, without their knowledge of equipment, land and animals, and without their mature capacity as woodsmen and naturalists, this synthesis and all good which results from it could only be wished for. The transformation from dream to reality is the inheritance these individuals have passed on. Time will tell how we have invested or squandered it; pray that we do not suffer its loss. While it is impossible to identify them all, this work is dedicated, with my deepest respect and appreciation, to each and every one of them.

Just as no one individual could ever amass the quantity of information assembled here, so too would it be impossible for any one individual to assemble, edit, analyse and depict the voluminous entries and combinations of these data. I have been again uniquely fortunate to have worked with a group of highly capable and motivated individuals throughout the synthesis process and it is no more than the absolute truth to state that it could not have been accomplished without their efforts and support. From the first strivings to gather the Wildlife Division's caribou files into a central registry, to the final editorializing and digital organization of these volumes, I have met only professionalism and energy. I have also sought and encountered great competence, that elusive elixir which remains the hallmark of effective, lasting science.

This always evolving group has included a great variety of positions and personalities, from part-time students and geographic technicians, to secretarial and computer support personnel. The extent of their contributions varied enormously, but all were crucial and I thank them sincerely. However, for assistance in synthesizing this work, my greatest appreciation must go to Dr. Brian McLaren and Ms. Tammy Joyce. It is far more than a trite cliché to state that without their efforts this ponderous beast would never have been slain. Their work must be remembered as crucial, their contributions lasting, and their commitment to the inherent value of this process compelling. They were involved from the first formal beginnings of this enterprise, performed every task with consideration, and came to every wearisome meeting and lively discussion armed with diligence and good humour. The latter was sometimes a hard thing to capture through the long, winding tunnels of revision, error and repetition; but retain it they did. For all these reasons I am truly indebted.

I must also specifically thank Ms. Christine Doucet and Ms. Marlene Dredge, two individuals more recently engulfed by this labour, but to whom many finalizing tasks have been handed. I thank them both sincerely; Christine for her diverse assistance and editorial acumen, and Marlene especially for her seemingly limitless capacity for painstakingly detailed work on figure preparation and file organization.

Of course no process of this kind, involving as it does the secondment of an organization's human resources to focussed task, can ever proceed without the vision and support of executive approval. Too frequently the unending march of issue and crisis smothers the potential for creative invention, and the stereotypic political mule emerges from the shadows of senior administration. The image is, unfortunately, too often true. I well recognize therefore the unique position I found myself in when

approval for this work was granted, and, perhaps even more, to have had continuing support throughout its progress. I wish to personally thank Dr. Mohammed Nazir for his great capacity to retain the poetic view; it is a wondrous and unending gift. I will always appreciate, not only the support he has lent this process, but also his commitment to ideas and the cultivation of human potential. I also thank his supervisors, Mr. Halcom Stanley and Mr. Robert Smart, for having understood and supported this initiative as well.

Mr. James Hancock, Director of the Wildlife Division and my supervisor of many years, must also be especially recognized for his early and enduring support of the synthesis project. Mr. Hancock and I have shared many discussions over the years regarding the importance of data analysis and accessibility, and I thank him sincerely for his support of me personally and of this important idea. Likewise I thank Mr. Michael Cahill, gentleman, stump philosopher and Zen hound, for agreeing to take on my other responsibilities while I was engaged in this task, and for doing it so courteously and well. Both men are aware, I trust, of my gratitude. To both of these individuals in particular, engaged as they are in the tidefull sway of everyday wildlife management, I also express my confidence in the lasting value, practically and emblematically, of this work they have supported and encouraged. It is what Wildlife Divisions and Wildlife Biologists should do.

To this long list of acknowledgements I must add one more outstanding contribution. Dr. Valerius Geist has been a mentor, ally, friend, and supporter throughout my career and has from the first notion of this synthesis provided every possible encouragement and assistance. This has extended to a periodic adoption of me by Mrs. Geist and himself, as I have retreated to their land and location (immigrants all!) to write, think and discuss. To work! When this effort and its kin are completed, no contribution will figure more prominently in memory or in fact than the tropical richness of ideas, energy and civilization encountered in their midst. To them both, in equal measure, I express my immutable gratitude, admiration and respect. I also acknowledge the support and encouragement of Dr. Robert Barclay, a recent acquaintance and man of quiet integrity.

Finally, and inevitably, I thank Newfoundland and her people. It is for them I toil.

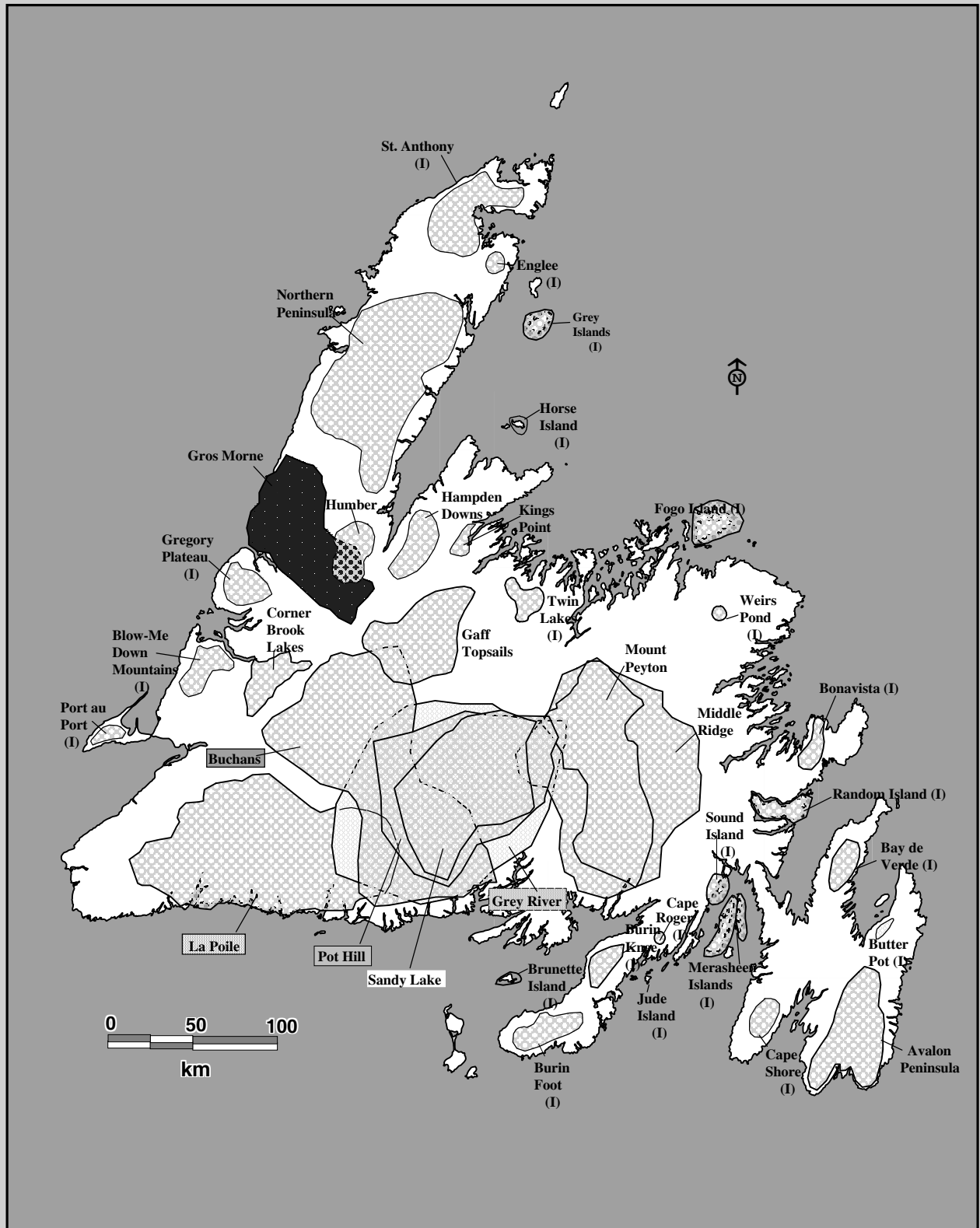


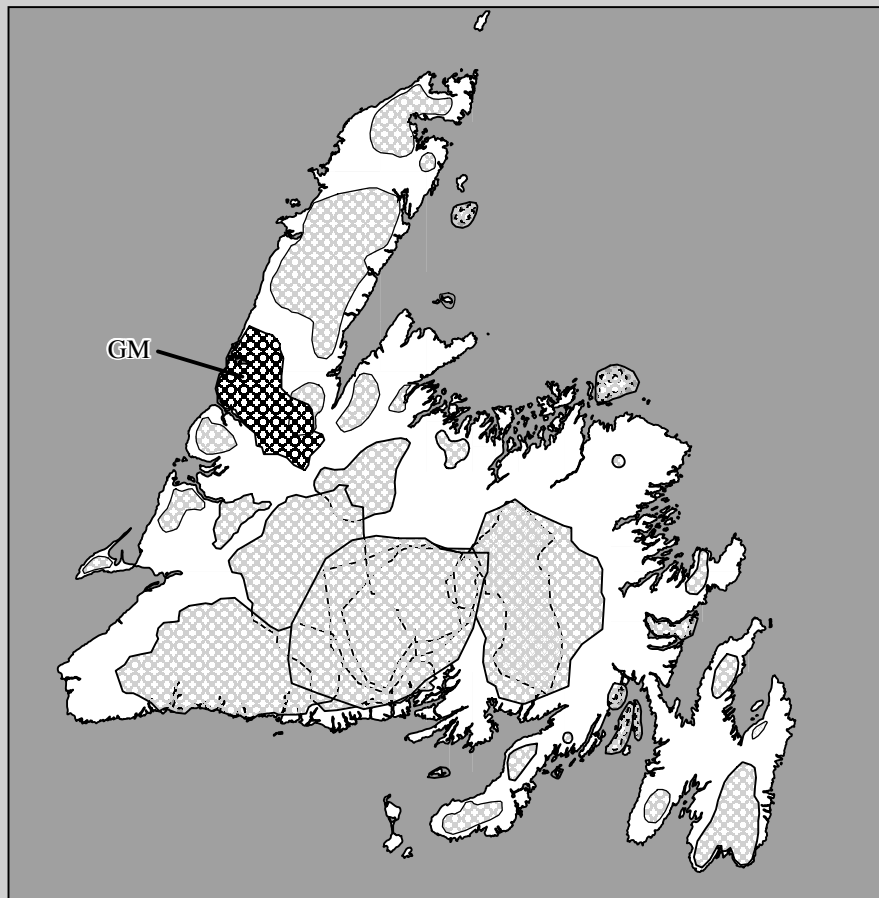
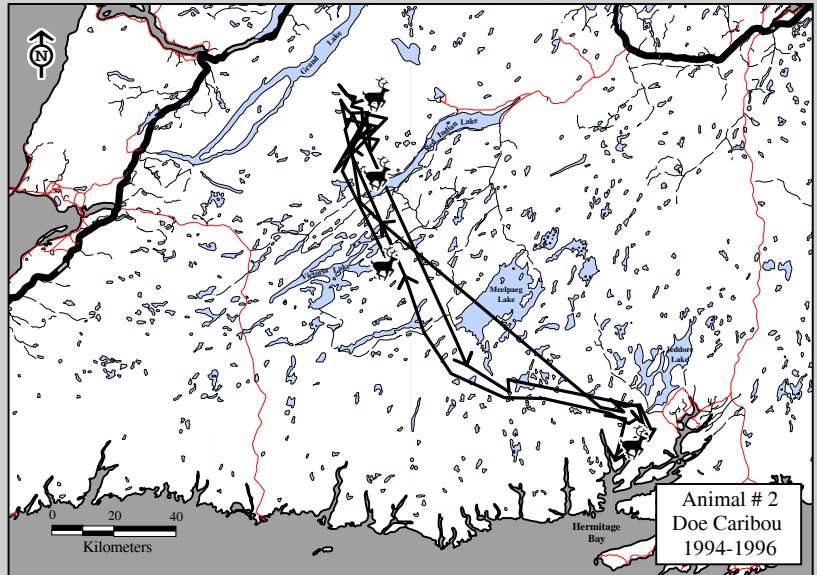
Fig 8-1. Insular Newfoundland Caribou Herd distribution based on radio telemetry, census, herd composition survey, and observational data. Introduced herds are indicated with an I.



Table 8-1. The period of study, age classes examined, the number of caribou monitored, and the number of telemetry locations collected for 9 caribou herds studied in insular Newfoundland.

Volume	Caribou Herd	Period of study	Age classes studied (N caribou collared in each age class)	Total number of telemetry locations	Total number of caribou monitored	Mean number of locations per caribou	Total number of surveys
5	Buchans	Sept. 15, 1994 to Feb. 20, 1998	Two-year olds (6) Adults 3+ (59)	4,576	65	70	124
6	Corner Brook Lakes	Mar. 16, 1994 to Nov. 20, 1997	Calves (45) Yearlings (1) Two-year olds (3) Adults 3+ (31)	2,209	70	32	148
7	Grey River	July 11, 1979 to Oct. 21, 1986	Calves (192) Yearlings (4) Two-year olds (2) Adults 3+ (83)	4,178	281	15	222
	Sandy Lake	Aug. 19, 1979 to Oct. 21, 1986	Calves (15) Yearlings (1) Adults 3+ (7)	294	23	13	106
8	<b>Gros Morne (VHF radio collars)</b>	<b>Aug. 20, 1992 to Nov. 27, 1997</b>	<b>Calves (65) Yearlings (12) Two-year olds (2) Adults 3+ (41)</b>	<b>1,510</b>	<b>120</b>	<b>13</b>	<b>126</b>
	<b>Gros Morne (ARGOS collars)</b>	<b>Jan. 23, 1993 to Oct. 7, 1995</b>	<b>Adult females (16)</b>	<b>3,269</b>	<b>16</b>	<b>204</b>	<b>597</b>
	<b>Gros Morne (GPS collars)</b>	<b>Jan. 11, 1996 to July 23, 1998</b>	<b>Adults (13)</b>	<b>11,903</b>	<b>13</b>	<b>916</b>	<b>676</b>
9	La Poile	June 6, 1985 to Sept. 26, 1990	Calves (101) Yearlings (1) Adults 3+ (161)	3,786	263	14	157
10	Middle Ridge	June 22, 1982 to May 2, 1997	Calves (75) Yearlings (2) Two-year olds (9) Adults 3+ (75)	7,056	161	44	358
11	Mount Peyton	Sept. 21, 1982 to May 2, 1997	Calves (11) Yearlings (2) Adults 3+ (6)	1,003	19	53	286
12	Pot Hill	July 21, 1979 to May 28, 1984	Calves (13) Adults 3+ (20)	655	33	20	147
Caribou Herds of insular Newfoundland		July 11, 1979 to July 23, 1998	Calves (517) Yearlings (23) Two-year olds (22) Adults 3+ (512)	40,439	1,064	1,394	2,947

**Section 8A:  
Telemetry Sample Sizes  
and Home Range  
Calculations by Herd  
Composition and Time.**



**Caribou Herd**  
Gros Morne (GM)

Table 8A-1. Gros Morne Caribou Herd. By year, the number of surveys, radio telemetry locations, and animals monitored, plus 75% harmonic mean and 95% minimum convex polygon home range estimates.

Period	Year	Number of surveys	Number of radio telemetry locations	Number of caribou monitored	Home range (km <sup>2</sup> )	
					75% harmonic mean	95% minimum convex polygon
All periods/ years combined	-	125	1,510	120	1,396	3,960
Aug. 20, 1992 to April 30, 1993	1	5	25	14	440	395
May 1, 1993 to April 30, 1994	2	8	26	21	234	474
May 1, 1994 to April 30, 1995	3	21	150	46	996	2,465
May 1, 1995 to April 30, 1996	4	39	451	64	1,448	2,824
May 1, 1996 to April 30, 1997	5	36	537	61	1,807	3,709
May 1, 1997 to Nov. 27, 1997	6	17	321	50	1,183	3,045

Table 8A-2. Gros Morne Caribou Herd. By year and sex, the number of radio telemetry locations, and animals monitored, plus 75% harmonic mean and 95% minimum convex polygon home range estimates.

Period (Year)	Sex	Number of radio telemetry locations	Number of caribou monitored	Home range (km <sup>2</sup> )	
				75% harmonic mean	95% minimum convex polygon
All periods/ years combined	Female	757	62	1,044	3,934
	Male	743	55	1,480	3,580
Aug. 20, 1992 to April 30, 1993 (Year 1)	Female	24	13	-	-
	Male	1	1	-	-
May 1, 1993 to April 30, 1994 (Year 2)	Female	22	17	-	-
	Male	4	4	-	-
May 1, 1994 to April 30, 1995 (Year 3)	Female	87	27	921	2,040
	Male	62	18	840	2,161
May 1, 1995 to April 30, 1996 (Year 4)	Female	246	33	1,136	2,610
	Male	203	30	1,339	2,264
May 1, 1996 to April 30, 1997 (Year 5)	Female	232	29	1,357	3,256
	Male	300	31	1,709	3,336
May 1, 1997 to Nov. 27, 1997 (Year 6)	Female	146	23	836	2,579
	Male	173	26	1,288	2,362

Table 8A-3. Gros Morne Caribou Herd. By year and age, the number of radio telemetry locations, and animals monitored, plus 75% harmonic mean and 95% minimum convex polygon home range estimates.

Period (Year)	Age	Number of radio telemetry locations	Number of caribou monitored	Home range (km <sup>2</sup> )	
				75% Harmonic mean	95% Minimum convex polygon
All periods/ years combined	Calves	315	65	1,069	2,674
	Yearlings	305	42	1,290	2,988
	Two-year olds	216	26	1,345	2,707
	Adults (3+)	674	54	1,355	3,970
Aug. 20, 1992 to April 30, 1993 (Year 1)	Calves	0	0	-	-
	Yearlings	1	1	-	-
	Two-year olds	0	0	-	-
	Adults (3+)	24	13	-	-
May 1, 1993 to April 30, 1994 (Year 2)	Calves	9	9	-	-
	Yearlings	0	0	-	-
	Two-year olds	1	1	-	-
	Adults (3+)	16	11	-	-
May 1, 1994 to April 30, 1995 (Year 3)	Calves	62	21	564	874
	Yearlings	50	10	1,042	1,841
	Two-year olds	0	0	-	-
	Adults (3+)	38	15	666	1,787
May 1, 1995 to April 30, 1996 (Year 4)	Calves	143	27	1,112	1,976
	Yearlings	101	17	1,103	1,640
	Two-year olds	102	10	1,102	2,306
	Adults (3+)	105	23	559	1,096
May 1, 1996 to April 30, 1997 (Year 5)	Calves	97	18	698	1,435
	Yearlings	109	13	1,421	2,531
	Two-year olds	68	13	1,060	2,362
	Adults (3+)	263	30	1,831	3,566
May 1, 1996 to Nov. 27, 1996 (Year 6)	Calves	4	4	-	-
	Yearlings	44	18	477	1,026
	Two-year olds	45	11	687	850
	Adults (3+)	228	29	1,158	3,166

Table 8A-4. Gros Morne Caribou Herd. By year and season, the number of surveys, radio telemetry locations, and animals monitored, plus 75% harmonic mean and 95% minimum convex polygon home range estimates.

Period (Year)	Season	Number of surveys	Number of radio telemetry locations	Number of caribou monitored	Home range (km <sup>2</sup> )	
					75% harmonic mean	95% minimum convex polygon
All periods/ years combined	Spring	39	387	106	672	1,803
	Summer	29	374	77	640	2,559
	Fall	18	194	59	1,815	3,127
	Winter	40	555	74	1,934	3,621
Aug. 20, 1992 to April 30, 1993 (Year 1)	Summer	1	5	5	-	-
	Fall	1	4	4	-	-
	Winter	3	16	12	-	-
May 1, 1993 to April 30, 1994 (Year 2)	Spring	4	17	16	-	-
	Summer	1	2	2	-	-
	Fall	0	0	0	-	-
	Winter	3	7	6	-	-
May 1, 1994 to April 30, 1995 (Year 3)	Spring	7	42	39	316	353
	Summer	5	42	38	859	1,176
	Fall	2	21	21	-	-
	Winter	7	45	28	1,232	1,778
May 1, 1995 to April 30, 1996 (Year 4)	Spring	8	65	42	466	605
	Summer	7	94	29	341	604
	Fall	5	47	25	1,458	1,960
	Winter	19	245	45	2,004	3,462
May 1, 1996 to April 30, 1997 (Year 5)	Spring	9	89	46	589	785
	Summer	12	138	43	777	2,880
	Fall	7	68	39	1,389	2,635
	Winter	8	242	47	1,447	3,314
May 1, 1997 to Nov. 27, 1997 (Year 6)	Spring	11	174	50	1,050	2,182
	Summer	3	93	34	732	1,405
	Fall	3	54	32	1,506	2,436

Table 8A-5. Gros Morne Caribou Herd. By season and sex, the number of radio telemetry locations, and animals monitored, plus 75% harmonic mean and 95% minimum convex polygon home range estimates.

Seasons	Sex	Number of radio telemetry locations	Number of caribou monitored	Home range (km <sup>2</sup> )	
				75% Harmonic mean	95% Minimum convex polygon
Spring	Female	200	55	551	1,339
	Male	181	49	777	1,753
Summer	Female	188	41	534	1,920
	Male	182	34	771	1,684
Fall	Female	91	29	1,730	2,678
	Male	103	30	1,732	2,872
Winter	Female	278	43	1,483	3,445
	Male	277	31	1,621	3,291

Table 8A-6. Gros Morne Caribou Herd. By season, sex, and age, the number of radio telemetry locations and the number of animals monitored, plus the 75% harmonic mean and the 95% minimum convex polygon home range estimates.

Season	Sex	Age	Number of radio telemetry locations	Number of caribou monitored	Home range (km <sup>2</sup> )	
					75% harmonic mean	95% minimum convex polygon
Spring	Both sexes combined	Calves	98	58	139	407
		Yearlings	66	35	489	1,083
		Two-year olds	48	23	619	990
		Adults (3+)	175	44	950	1,756
	Female	Calves	38	22	157	195
		Yearlings	24	14	-	-
		Two-year olds	21	12	-	-
		Adults (3+)	117	31	743	1,515
	Male	Calves	56	34	195	518
		Yearlings	40	20	726	1,244
		Two-year olds	27	11	-	-
		Adults (3+)	58	34	799	1,666
Summer	Both sexes combined	Calves	80	36	392	535
		Yearlings	76	28	641	1,738
		Two-year olds	66	20	743	969
		Adults (3+)	152	41	1,019	2,313
	Female	Calves	33	12	178	228
		Yearlings	31	13	440	997
		Two-year olds	30	10	337	398
		Adults (3+)	94	28	632	2,238
	Male	Calves	43	22	401	493
		Yearlings	45	15	522	924
		Two-year olds	36	10	770	952
		Adults (3+)	58	13	1,058	1,524



Table 8A-6 (con'd). Gros Morne Caribou Herd. By season, sex, and age, the number of radio telemetry locations and the number of animals monitored, plus the 75% harmonic mean and the 95% minimum convex polygon home range estimates.

Season	Sex	Age	Number of radio telemetry locations	Number of caribou monitored	Home range (km <sup>2</sup> )	
					75% harmonic mean	95% minimum convex polygon
Fall	Both sexes combined	Calves	32	23	1,380	1,721
		Yearlings	40	27	1,076	1,955
		Two-year olds	29	18	-	-
		Adults (3+)	93	34	1,461	3,455
	Female	Calves	12	9	-	-
		Yearlings	17	12	-	-
		Two-year olds	14	8	-	-
		Adults (3+)	48	19	1,009	2,079
	Male	Calves	20	14	-	-
		Yearlings	23	15	-	-
		Two-year olds	15	10	-	-
		Adults (3+)	45	15	1,083	2,640
Winter	Both sexes combined	Calves	105	22	1,177	2,043
		Yearlings	123	26	1,289	2,548
		Two-year olds	73	15	1,179	2,542
		Adults (3+)	254	46	1,484	3,112
	Female	Calves	33	7	173	603
		Yearlings	56	14	733	2,178
		Two-year olds	46	8	908	2,021
		Adults (3+)	143	32	1,452	3,071
	Male	Calves	72	15	1,069	1,749
		Yearlings	67	12	963	2,376
		Two-year olds	27	7	-	-
		Adults (3+)	111	14	788	1,769

Table 8A-7. Gros Morne Caribou Herd. By year, sex, and age, the number of radio telemetry locations and the number of animals monitored, plus the 75% harmonic mean and the 95% minimum convex polygon home range area estimates.

Period (Year)	Sex	Age	Number of radio telemetry locations	Number of caribou monitored	Home range (km <sup>2</sup> )	
					75% harmonic mean	95% minimum convex polygon
Aug. 20, 1992 to April 30, 1993 (Year 1)	Female	Calves	0	0	-	-
		Yearlings	1	1	-	-
		Two-year olds	0	0	-	-
		Adults (3+)	23	12	-	-
	Male	Calves	0	0	-	-
		Yearlings	0	0	-	-
		Two-year olds	0	0	-	-
		Adults (3+)	1	1	-	-
May 1, 1993 to April 30, 1994 (Year 2)	Female	Calves	5	5	-	-
		Yearlings	0	0	-	-
		Two-year olds	1	1	-	-
		Adults (3+)	16	11	-	-
	Male	Calves	4	4	-	-
		Yearlings	0	0	-	-
		Two-year olds	0	0	-	-
		Adults (3+)	0	0	-	-
May 1, 1994 to April 30, 1995 (Year 3)	Female	Calves	17	6	-	-
		Yearlings	32	6	1,126	1,617
		Two-year olds	0	0	-	-
		Adults (3+)	38	15	666	1,787
	Male	Calves	44	14	631	1,468
		Yearlings	18	4	-	-
		Two-year olds	0	0	-	-
		Adults (3+)	0	0	-	-

Table 8A-7 (con'd). Gros Morne Caribou Herd. By year, sex, and age, the number of radio telemetry locations and the number of animals monitored, plus the 75% harmonic mean and the 95% minimum convex polygon home range area estimates.

Period (Year)	Sex	Age	Number of radio telemetry locations	Number of caribou monitored	Home range (km <sup>2</sup> )	
					75% harmonic mean	95% minimum convex polygon
May 1, 1995 to April 30, 1996 (Year 4)	Female	Calves	69	13	342	686
		Yearlings	43	9	592	1,417
		Two-year olds	70	6	1,175	1,961
		Adults (3+)	64	13	389	626
	Male	Calves	72	13	560	2,012
		Yearlings	58	8	626	1,171
		Two-year olds	32	4	813	1,098
		Adults (3+)	41	10	580	797
May 1, 1996 to April 30, 1997 (Year 5)	Female	Calves	25	6	-	-
		Yearlings	47	6	401	1,910
		Two-year olds	28	7	-	-
		Adults (3+)	132	17	1,473	3,165
	Male	Calves	67	11	736	1,354
		Yearlings	62	7	1,297	1,789
		Two-year olds	40	6	1,418	2,248
		Adults (3+)	131	13	1,109	2,203
May 1, 1997 to Nov. 27, 1997 (Year 6)	Female	Calves	0	0	-	-
		Yearlings	5	4	-	-
		Two-year olds	12	5	-	-
		Adults (3+)	129	17	929	3,031
	Male	Calves	4	4	-	-
		Yearlings	37	13	495	1,093
		Two-year olds	33	6	1,315	750
		Adults (3+)	99	12	1,146	2,338

Table 8A-8. Gros Morne Caribou Herd. By year, season, and sex, the number of radio telemetry locations and the number of animals monitored, plus the 75% harmonic mean and the 95% minimum convex polygon home range area estimates.

Period (Year)	Season	Sex	Number of radio telemetry locations	Number of caribou monitored	Home range (km <sup>2</sup> )	
					75% harmonic mean	95% minimum convex polygon
Aug. 20, 1992 to April 30, 1993 (Year 1)	Summer	Female	5	5	-	-
		Male	0	0	-	-
	Fall	Female	3	3	-	-
		Male	1	1	-	-
	Winter	Female	16	12	-	-
		Male	0	0	-	-
May 1, 1993 to April 30, 1994 (Year 2)	Spring	Female	15	14	-	-
		Male	2	2	-	-
	Summer	Female	1	1	-	-
		Male	1	1	-	-
	Fall	Female	0	0	-	-
		Male	0	0	-	-
	Winter	Female	6	5	-	-
		Male	1	1	-	-
May 1, 1994 to April 30, 1995 (Year 3)	Spring	Female	23	21	-	-
		Male	19	18	-	-
	Summer	Female	26	24	-	-
		Male	15	13	-	-
	Fall	Female	11	11	-	-
		Male	10	10	-	-
	Winter	Female	27	18	-	-
		Male	18	10	-	-

Table 8A-8 (con'd). Gros Morne Caribou Herd. By year, season, and sex, the number of radio telemetry locations and the number of animals monitored, plus the 75% harmonic mean and the 95% minimum convex polygon home range area estimates.

Period (Year)	Season	Sex	Number of radio telemetry locations	Number of caribou monitored	Home range (km <sup>2</sup> )	
					75% harmonic mean	95% minimum convex polygon
May 1, 1995 to April 30, 1996 (Year 4)	Spring	Female	42	25	347	482
		Male	21	16	-	-
	Summer	Female	56	17	295	364
		Male	38	12	333	586
	Fall	Female	27	14	-	-
		Male	20	11	-	-
	Winter	Female	121	22	1,445	2,685
		Male	124	23	1,041	2,527
May 1, 1996 to April 30, 1997 (Year 5)	Spring	Female	36	17	377	504
		Male	51	28	444	783
	Summer	Female	59	19	449	1,698
		Male	76	23	966	2,443
	Fall	Female	29	18	-	-
		Male	39	21	1,363	1,976
	Winter	Female	108	24	1,427	2,936
		Male	134	23	1,200	2,531
May 1, 1997 to Nov. 27, 1997 (Year 6)	Spring	Female	84	23	641	1,416
		Male	88	26	1,053	2,115
	Summer	Female	41	16	734	1,048
		Male	52	18	722	1,165
	Fall	Female	21	13	-	-
		Male	33	19	1,108	2,272

Table 8A-9. Gros Morne Caribou Herd. By year, season, and age, the number of radio telemetry locations and the number of animals monitored, plus the 75% harmonic mean and the 95% minimum convex polygon home range area estimates.

Period (Year)	Season	Age	Number of radio telemetry locations	Number of caribou monitored	Home range (km <sup>2</sup> )	
					75% harmonic mean	95% minimum convex polygon
Aug. 20, 1992 to April 30, 1993 (Year 1)	Summer	Calves	0	0	-	-
		Yearlings	1	1	-	-
		Two-year olds	0	0	-	-
		Adults (3+)	4	4	-	-
	Fall	Calves	0	0	-	-
		Yearlings	0	0	-	-
		Two-year olds	0	0	-	-
		Adults (3+)	4	4	-	-
	Winter	Calves	0	0	-	-
		Yearlings	0	0	-	-
		Two-year olds	0	0	-	-
		Adults (3+)	16	12	-	-
May 1, 1993 to April 30, 1994 (Year 2)	Spring	Calves	5	5	-	-
		Yearlings	0	0	-	-
		Two-year olds	0	0	-	-
		Adults (3+)	12	11	-	-
	Summer	Calves	2	2	-	-
		Yearlings	0	0	-	-
		Two-year olds	0	0	-	-
		Adults (3+)	0	0	-	-
	Fall	Calves	0	0	-	-
		Yearlings	0	0	-	-
		Two-year olds	0	0	-	-
		Adults (3+)	0	0	-	-

Table 8A-9 (con'd). Gros Morne Caribou Herd. By year, season, and age, the number of radio telemetry locations and the number of animals monitored, plus the 75% harmonic mean and the 95% minimum convex polygon home range area estimates.

Period (Year)	Season	Age	Number of radio telemetry locations	Number of caribou monitored	Home range (km <sup>2</sup> )	
					75% harmonic mean	95% minimum convex polygon
May 1, 1993 to April 30, 1994 (Year 2)	Winter	Calves	2	2	-	-
		Yearlings	0	0	-	-
		Two-year olds	1	1	-	-
		Adults (3+)	4	3	-	-
May 1, 1994 to April 30, 1995 (Year 3)	Spring	Calves	22	19	-	-
		Yearlings	10	10	-	-
		Two-year olds	0	0	-	-
		Adults (3+)	10	10	-	-
	Summer	Calves	14	14	-	-
		Yearlings	13	9	-	-
		Two-year olds	0	0	-	-
		Adults (3+)	15	15	-	-
	Fall	Calves	10	10	-	-
		Yearlings	9	9	-	-
		Two-year olds	0	0	-	-
		Adults (3+)	2	2	-	-
	Winter	Calves	16	9	-	-
		Yearlings	18	9	-	-
		Two-year olds	0	0	-	-
		Adults (3+)	10	10	-	-
May 1, 1995 to April 30, 1996 (Year 4)	Spring	Calves	34	26	118	205
		Yearlings	10	10	-	-
		Two-year olds	8	8	-	-
		Adults (3+)	13	6	-	-

Table 8A-9 (con'd). Gros Morne Caribou Herd. By year, season, and age, the number of radio telemetry locations and the number of animals monitored, plus the 75% harmonic mean and the 95% minimum convex polygon home range area estimates.

Period (Year)	Season	Age	Number of radio telemetry locations	Number of caribou monitored	Home range (km <sup>2</sup> )	
					75% harmonic mean	95% minimum convex polygon
May 1, 1995 to April 30, 1996 (Year 4)	Summer	Calves	29	9	-	-
		Yearlings	23	7	-	-
		Two-year olds	33	9	504	438
		Adults (3+)	9	4	-	-
	Fall	Calves	13	8	-	-
		Yearlings	12	6	-	-
		Two-year olds	18	9	-	-
		Adults (3+)	4	2	-	-
	Winter	Calves	67	8	495	1,892
		Yearlings	58	8	601	1,490
		Two-year olds	43	9	751	2,090
		Adults (3+)	79	20	423	770
May 1, 1996 to April 30, 1997 (Year 5)	Spring	Calves	33	18	193	172
		Yearlings	15	11	-	-
		Two-year olds	14	11	-	-
		Adults (3+)	27	15	-	-
	Summer	Calves	35	11	430	603
		Yearlings	30	8	538	1,368
		Two-year olds	19	6	-	-
		Adults (3+)	54	18	929	1,793
	Fall	Calves	9	5	-	-
		Yearlings	15	8	-	-
		Two-year olds	6	4	-	-
		Adults (3+)	38	22	1,500	2,364



Table 8A-9 (con'd). Gros Morne Caribou Herd. By year, season, and age, the number of radio telemetry locations and the number of animals monitored, plus the 75% harmonic mean and the 95% minimum convex polygon home range area estimates.

Period (Year)	Season	Age	Number of radio telemetry locations	Number of caribou monitored	Home range (km <sup>2</sup> )	
					75% harmonic mean	95% minimum convex polygon
May 1, 1996 to April 30, 1997 (Year 5)	Winter	Calves	20	3	-	-
		Yearlings	49	9	1,123	1,750
		Two-year olds	29	5	-	-
		Adults (3+)	144	30	1,611	2,896
May 1, 1997 to Nov. 27, 1997 (Year 6)	Spring	Calves	4	4	-	-
		Yearlings	31	18	444	652
		Two-year olds	26	11	-	-
		Adults (3+)	113	29	1,225	2,075
	Summer	Calves	0	0	-	-
		Yearlings	9	3	-	-
		Two-year olds	14	5	-	-
		Adults (3+)	70	26	868	1,231
	Fall	Calves	0	0	-	-
		Yearlings	4	4	-	-
		Two-year olds	5	5	-	-
		Adults (3+)	45	23	1,501	2,572

Table 8A-10. Gros Morne Caribou Herd. By year, season, sex, and age, the number of radio telemetry locations and the number of animals monitored, plus the 75% harmonic mean and the 95% minimum convex polygon home range area estimates.

Period (Year)	Season	Sex	Age	Number of radio telemetry locations	Number of caribou monitored	Home range (km <sup>2</sup> )	
						75% harmonic mean	95% minimum convex polygon
Aug. 20, 1992 to April 30, 1993 (Year 1)	Summer	Female	Calves	0	0	-	-
			Yearlings	1	1	-	-
			Two-year olds	0	0	-	-
			Adults (3+)	4	4	-	-
		Male	Calves	0	0	-	-
			Yearlings	0	0	-	-
			Two-year olds	0	0	-	-
			Adults (3+)	0	0	-	-
	Fall	Female	Calves	0	0	-	-
			Yearlings	0	0	-	-
			Two-year olds	0	0	-	-
			Adults (3+)	3	3	-	-
		Male	Calves	0	0	-	-
			Yearlings	0	0	-	-
			Two-year olds	0	0	-	-
			Adults (3+)	1	1	-	-
	Winter	Female	Calves	0	0	-	-
			Yearlings	0	0	-	-
			Two-year olds	0	0	-	-
			Adults (3+)	16	12	-	-
		Male	Calves	0	0	-	-
			Yearlings	0	0	-	-
			Two-year olds	0	0	-	-
			Adults (3+)	0	0	-	-

Table 8A-10 (con'd). Gros Morne Caribou Herd. By year, season, sex, and age, the number of radio telemetry locations and the number of animals monitored, plus the 75% harmonic mean and the 95% minimum convex polygon home range area estimates.

Period (Year)	Season	Sex	Age	Number of radio telemetry locations	Number of caribou monitored	Home range (km <sup>2</sup> )	
						75% harmonic mean	95% minimum convex polygon
May 1, 1993 to April 30, 1994 (Year 2)	Spring	Female	Calves	3	3	-	-
			Yearlings	0	0	-	-
			Two-year olds	0	0	-	-
			Adults (3+)	12	11	-	-
		Male	Calves	2	2	-	-
			Yearlings	0	0	-	-
			Two-year olds	0	0	-	-
			Adults (3+)	0	0	-	-
	Summer	Female	Calves	1	1	-	-
			Yearlings	0	0	-	-
			Two-year olds	0	0	-	-
			Adults (3+)	0	0	-	-
		Male	Calves	1	1	-	-
			Yearlings	0	0	-	-
			Two-year olds	0	0	-	-
			Adults (3+)	0	0	-	-
	Fall	Female	Calves	0	0	-	-
			Yearlings	0	0	-	-
			Two-year olds	0	0	-	-
			Adults (3+)	0	0	-	-
		Male	Calves	0	0	-	-
			Yearlings	0	0	-	-
			Two-year olds	0	0	-	-
			Adults (3+)	0	0	-	-

Table 8A-10 (con'd). Gros Morne Caribou Herd. By year, season, sex, and age, the number of radio telemetry locations and the number of animals monitored, plus the 75% harmonic mean and the 95% minimum convex polygon home range area estimates.

Period (Year)	Season	Sex	Age	Number of radio telemetry locations	Number of caribou monitored	Home range (km <sup>2</sup> )	
						75% harmonic mean	95% minimum convex polygon
May 1, 1993 to April 30, 1994 (Year 2)	Winter	Female	Calves	1	1	-	-
			Yearlings	0	0	-	-
			Two-year olds	1	1	-	-
			Adults (3+)	4	3	-	-
		Male	Calves	1	1	-	-
			Yearlings	0	0	-	-
			Two-year olds	1	1	-	-
			Adults (3+)	0	0	-	-
May 1, 1994 to April 30, 1995 (Year 3)	Spring	Female	Calves	7	5	-	-
			Yearlings	6	6	-	-
			Two-year olds	0	0	-	-
			Adults (3+)	10	10	-	-
		Male	Calves	15	14	-	-
			Yearlings	4	4	-	-
			Two-year olds	0	0	-	-
			Adults (3+)	0	0	-	-
	Summer	Female	Calves	3	3	-	-
			Yearlings	8	6	-	-
			Two-year olds	0	0	-	-
			Adults (3+)	15	15	-	-
		Male	Calves	10	10	-	-
			Yearlings	5	3	-	-
	Two-year olds	0	0	-	-		
	Adults (3+)	0	0	-	-		

Table 8A-10 (con'd). Gros Morne Caribou Herd. By year, season, sex, and age, the number of radio telemetry locations and the number of animals monitored, plus the 75% harmonic mean and the 95% minimum convex polygon home range area estimates.

Period (Year)	Season	Sex	Age	Number of radio telemetry locations	Number of caribou monitored	Home range (km <sup>2</sup> )	
						75% harmonic mean	95% minimum convex polygon
May 1, 1994 to April 30, 1995 (Year 3)	Fall	Female	Calves	3	3	-	-
			Yearlings	6	6	-	-
			Two-year olds	0	0	-	-
			Adults (3+)	2	2	-	-
		Male	Calves	7	7	-	-
			Yearlings	3	3	-	-
			Two-year olds	0	0	-	-
			Adults (3+)	0	0	-	-
	Winter	Female	Calves	4	2	-	-
			Yearlings	12	6	-	-
			Two-year olds	0	0	-	-
			Adults (3+)	11	10	-	-
		Male	Calves	12	7	-	-
			Yearlings	6	3	-	-
Two-year olds			0	0	-	-	
Adults (3+)			0	0	-	-	
May 1, 1995 to April 30, 1996 (Year 4)	Spring	Female	Calves	17	13	-	-
			Yearlings	7	7	-	-
			Two-year olds	5	5	-	-
			Adults (3+)	13	6	-	-
		Male	Calves	15	12	-	-
			Yearlings	3	3	-	-
			Two-year olds	3	3	-	-
			Adults (3+)	0	0	-	-

Table 8A-10 (con'd). Gros Morne Caribou Herd. By year, season, sex, and age, the number of radio telemetry locations and the number of animals monitored, plus the 75% harmonic mean and the 95% minimum convex polygon home range area estimates.

Period (Year)	Season	Sex	Age	Number of radio telemetry locations	Number of caribou monitored	Home range (km <sup>2</sup> )	
						75% harmonic mean	95% minimum convex polygon
May 1, 1995 to April 30, 1996 (Year 4)	Summer	Female	Calves	17	5	-	-
			Yearlings	8	2	-	-
			Two-year olds	22	6	-	-
			Adults (3+)	9	4	-	-
		Male	Calves	12	4	-	-
			Yearlings	15	5	-	-
			Two-year olds	11	3	-	-
			Adults (3+)	0	0	-	-
	Fall	Female	Calves	7	4	-	-
			Yearlings	4	2	-	-
			Two-year olds	12	6	-	-
			Adults (3+)	4	2	-	-
		Male	Calves	6	4	-	-
			Yearlings	8	4	-	-
			Two-year olds	6	3	-	-
			Adults (3+)	0	0	-	-
	Winter	Female	Calves	28	4	-	-
			Yearlings	24	3	-	-
			Two-year olds	31	5	447	1,787
			Adults (3+)	38	10	248	221
		Male	Calves	39	4	292	1,630
			Yearlings	32	5	347	709
			Two-year olds	12	4	-	-
			Adults (3+)	41	10	580	797

Table 8A-10 (con'd). Gros Morne Caribou Herd. By year, season, sex, and age, the number of radio telemetry locations and the number of animals monitored, plus the 75% harmonic mean and the 95% minimum convex polygon home range area estimates.

Period (Year)	Season	Sex	Age	Number of radio telemetry locations	Number of caribou monitored	Home range (km <sup>2</sup> )	
						75% harmonic mean	95% minimum convex polygon
May 1, 1996 to April 30, 1997 (Year 5)	Spring	Female	Calves	11	6	-	-
			Yearlings	6	5	-	-
			Two-year olds	7	5	-	-
			Adults (3+)	12	7	-	-
		Male	Calves	20	11	-	-
			Yearlings	9	6	-	-
			Two-year olds	7	6	-	-
			Adults (3+)	15	8	-	-
	Summer	Female	Calves	12	3	-	-
			Yearlings	14	4	-	-
			Two-year olds	6	3	-	-
			Adults (3+)	27	9	-	-
		Male	Calves	20	7	-	-
			Yearlings	16	4	-	-
			Two-year olds	13	3	-	-
			Adults (3+)	27	9	-	-
	Fall	Female	Calves	2	2	-	-
			Yearlings	7	4	-	-
			Two-year olds	1	1	-	-
			Adults (3+)	19	11	-	-
		Male	Calves	7	3	-	-
			Yearlings	8	4	-	-
			Two-year olds	5	3	-	-
			Adults (3+)	19	11	-	-

Table 8A-10 (con'd). Gros Morne Caribou Herd. By year, season, sex, and age, the number of radio telemetry locations and the number of animals monitored, plus the 75% harmonic mean and the 95% minimum convex polygon home range area estimates.

Period (Year)	Season	Sex	Age	Number of radio telemetry locations	Number of caribou monitored	Home range (km <sup>2</sup> )		
						75% harmonic mean	95% minimum convex polygon	
May 1, 1996 to April 30, 1997 (Year 5)	Winter	Female	Calves	0	0	-	-	
			Yearlings	20	5	-	-	
			Two-year olds	14	2	-	-	
			Adults (3+)	74	17	847	2,397	
		Male	Calves	20	3	-	-	
			Yearlings	29	4	-	-	
			Two-year olds	15	3	-	-	
			Adults (3+)	70	13	1,056	1,812	
May 1, 1997 to Nov. 27, 1997 (Year 6)	Spring	Female	Calves	0	0	-	-	
			Yearlings	5	4	-	-	
			Two-year olds	9	5	-	-	
			Adults (3+)	70	17	777	1,548	
		Male	Calves	4	4	-	-	
			Yearlings	24	13	-	-	
			Two-year olds	17	6	-	-	
			Adults (3+)	43	12	950	1,516	
	Summer	Female	Calves	0	0	-	-	
			Yearlings	0	0	-	-	
			Two-year olds	2	1	-	-	
			Adults (3+)	39	15	648	1,374	
			Male	Calves	0	0	-	-
				Yearlings	9	3	-	-
Two-year olds	12	4		-	-			
Adults (3+)	31	11	671	1,032				



Table 8A-10 (con'd). Gros Morne Caribou Herd. By year, season, sex, and age, the number of radio telemetry locations and the number of animals monitored, plus the 75% harmonic mean and the 95% minimum convex polygon home range area estimates.

Period (Year)	Season	Sex	Age	Number of radio telemetry locations	Number of caribou monitored	Home range (km <sup>2</sup> )	
						75% harmonic mean	95% minimum convex polygon
May 1, 1997 to Nov. 27, 1997 (Year 6)	Fall	Female	Calves	0	0	-	-
			Yearlings	0	0	-	-
			Two-year olds	1	1	-	-
			Adults (3+)	20	12	-	-
		Male	Calves	0	0	-	-
			Yearlings	4	4	-	-
			Two-year olds	4	4	-	-
			Adults (3+)	25	11	-	-

Table 8A-11. Gros Morne Caribou Herd. By month and sex, the number of radio telemetry locations and animals monitored, plus the 75% harmonic mean and the 95% minimum convex polygon home range area estimates.

Month	Sex	Number of radio telemetry locations	Number of caribou monitored	Home range (km <sup>2</sup> )	
				75% harmonic mean	95% minimum convex polygon
January	Female	37	22	833	1,985
	Male	39	23	1,118	1,799
February	Female	79	27	1,679	2,432
	Male	84	28	1,507	2,882
March	Female	88	37	1,885	2,942
	Male	72	25	1,775	2,956
April	Female	51	20	560	2,030
	Male	58	21	985	2,540
May	Female	41	23	747	1,070
	Male	46	25	1,091	1,671
June	Female	159	54	421	1,076
	Male	135	47	662	1,513
July	Female	64	26	231	462
	Male	62	28	417	635
August	Female	61	29	432	907
	Male	70	26	632	1,284
September	Female	63	36	906	1,632
	Male	50	27	1,101	1,370
October	Female	52	23	1,401	2,044
	Male	61	27	1,807	2,264
November	Female	39	24	637	2,300
	Male	42	23	1,424	2,487
December	Female	23	19	-	-
	Male	24	22	-	-

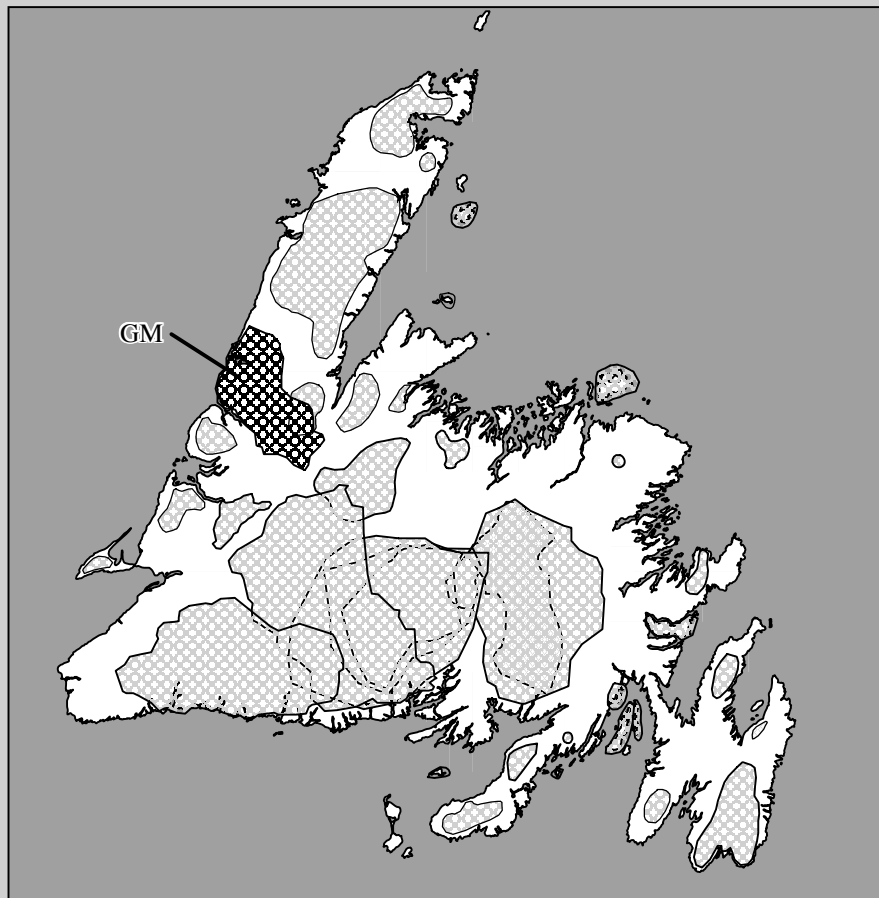
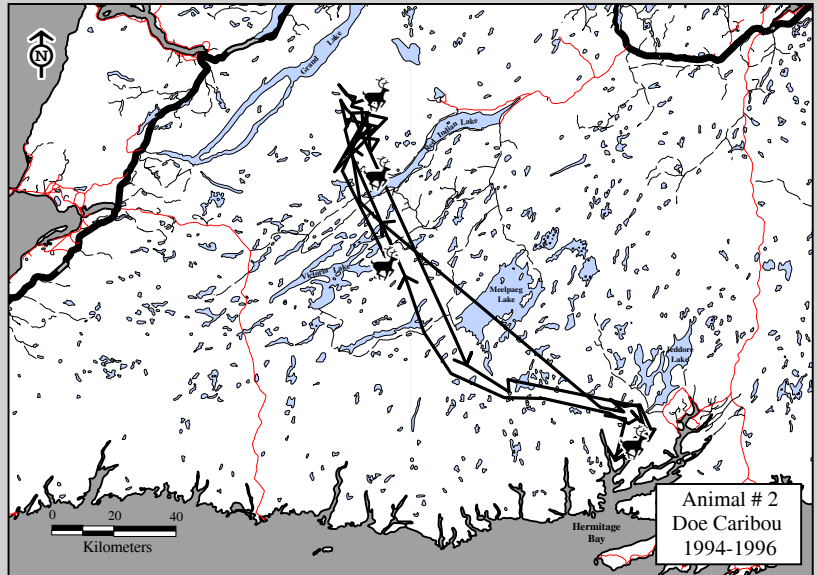
Table 8A-12. Gros Morne Caribou Herd. By year and sex, the number of radio telemetry locations (n) plus the 95% minimum convex polygon home range area estimates for individual caribou. The reproductive status of female caribou is given when known.

Animal	Sex	Year	Age	Reproductive Status	Home Range (km <sup>2</sup> )							
					Spring Area	Spring n	Summer Area	Summer n	Winter Area	Winter n	Year-Round Area	Year-Round n
GM-2A	F	1996-97	Adult	barren					32	6	851	13
	F	1997-98	Adult	productive	238	7						
GM-3A	F	1995-96	Adult	barren					1	5	110	15
	F	1996-97	Adult						40	7		
GM-4I	M	1996-97	Adult				26	5	15	7		
GM-12I	F	1995-96	Two-year old						119	6	190	13
	F	1996-97	Adult						4	7		
	F	1997-98	Adult		42	6						
GM-14I	M	1996-97	Adult						21	7		
GM-16I	F	1995-96	Two-year old						171	9	499	15
	F	1996-97	Adult						316	7	999	14
	F	1997-98	Adult		133	8						
GM-18I	F	1995-96	Two-year old						46	9		
	F	1996-97	Adult						9	6	541	12
	F	1997-98	Adult		274	7						
GM-21A	F	1996-97	Adult					104	5			
GM-22I	F	1995-96	Two-year old					12	6	518	12	
GM-23A	F	1995-96	Adult						1	6		
	F	1996-97	Adult	productive					16	8	75	18
	F	1997-98	Adult	barren	52	6						
GM-24A	F	1995-96	Adult						15	6		
	F	1996-97	Adult	productive					217	7	1050	15
	F	1997-98	Adult	productive	266	7						
GM-25A	F	1995-96	Adult						1	6		
	F	1996-97	Adult	productive					128	7	682	14
	F	1997-98	Adult	barren	119	6						
GM-26A	M	1995-96	Adult						22	6		
	M	1996-97	Adult						21	7	262	14
GM-27A	M	1995-96	Adult						68	6		
	M	1996-97	Adult						37	7	257	14
GM-29A	M	1995-96	Adult						8	6		
	M	1996-97	Adult						104	7	1152	15
GM-30I	M	1995-96	Yearling						5	9		
GM-31A	M	1996-97	Adult						7	7		
GM-32A	M	1995-96	Adult						72	6		
	M	1996-97	Adult						131	7	376	13
GM-33A	M	1995-96	Adult						1	6		
	M	1996-97	Adult						3	5	471	13
GM-33I	M	1995-96	Yearling						6	10		
	M	1996-97	Two-year old						23	7	159	15
	M	1997-98	Adult		28	5						
GM-34A	F	1995-96	Adult						69	6		
	F	1996-97	Adult						18	7	207	13
	F	1997-98	Adult		5	5						
GM-34I	F	1995-96	Yearling						9	10		
	F	1996-97	Two-year old						18	7		

Table 8A-12 (con'd). Gros Morne Caribou Herd. By year and sex, the number of radio telemetry locations (n) plus the 95% minimum convex polygon home range area estimates for individual caribou. The reproductive status of female caribou is given when known.

Animal	Sex	Year	Age	Reproductive Status	Home Range (km <sup>2</sup> )								
					Spring Area	Spring n	Summer Area	Summer n	Winter Area	Winter n	Year-Round Area	Year-Round n	
GM-36I	F	1995-96	Yearling							60	11	267	18
	F	1996-97	Two-year old							4	7	211	14
GM-37I	M	1995-96	Yearling							60	10	169	17
	M	1996-97	Two-year old			8	5	32	6	974	14		
GM-54I	M	1995-96	Calf							1	10	59	15
	M	1996-97	Yearling							36	7	120	15
GM-56I	M	1995-96	Calf							125	11		
	M	1996-97	Yearling			54	5	396	8	468	15		
GM-58I	M	1995-96	Calf							6	11	159	16
	M	1996-97	Yearling							62	7	303	14
GM-61I	F	1995-96	Calf							30	10	476	17
	F	1996-97	Yearling							12	5	1091	12
GM-64I	M	1995-96	Calf							9	7	726	13
	M	1996-97	Yearling							17	7		
GM-66I	F	1995-96	Calf							1	10	28	16
	F	1996-97	Yearling							15	6	159	12
	F	1997-98	Two-year old			8	5						
GM-72I	F	1995-96	Calf							1	6	73	13
GM-73I	M	1996-97	Calf							11			
GM-76I	F	1996-97	Calf					12	5				
GM-79I	M	1996-97	Calf							51	7	672	17
	M	1997-98	Yearling			232	5						
GM-81I	M	1996-97	Calf							140	7	743	17
	M	1997-98	Yearling			84	5						

**Section 8B:  
Telemetry Distributions  
by Herd  
Composition and Time.**



**Caribou Herd**  
**Gros Morne (GM)**

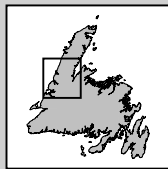
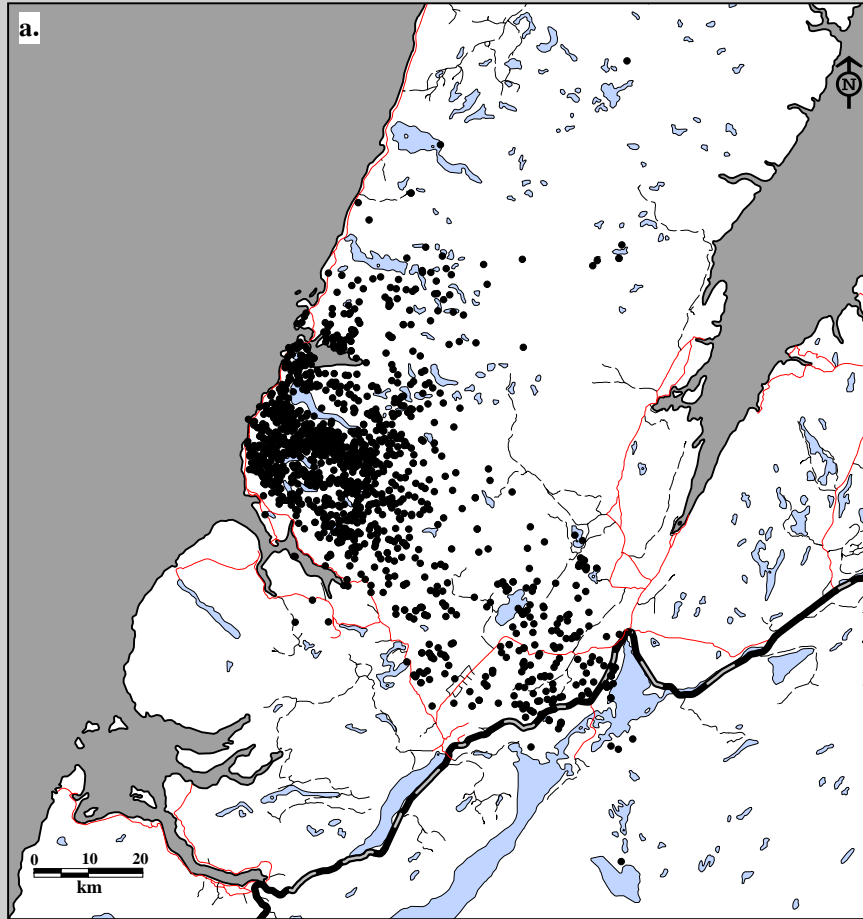


Fig. 8B-1. Gros Morne Caribou Herd radio telemetry locations. Data for a. all cohorts (1,510 locations; 120 caribou; 126 flights), 1992-97.

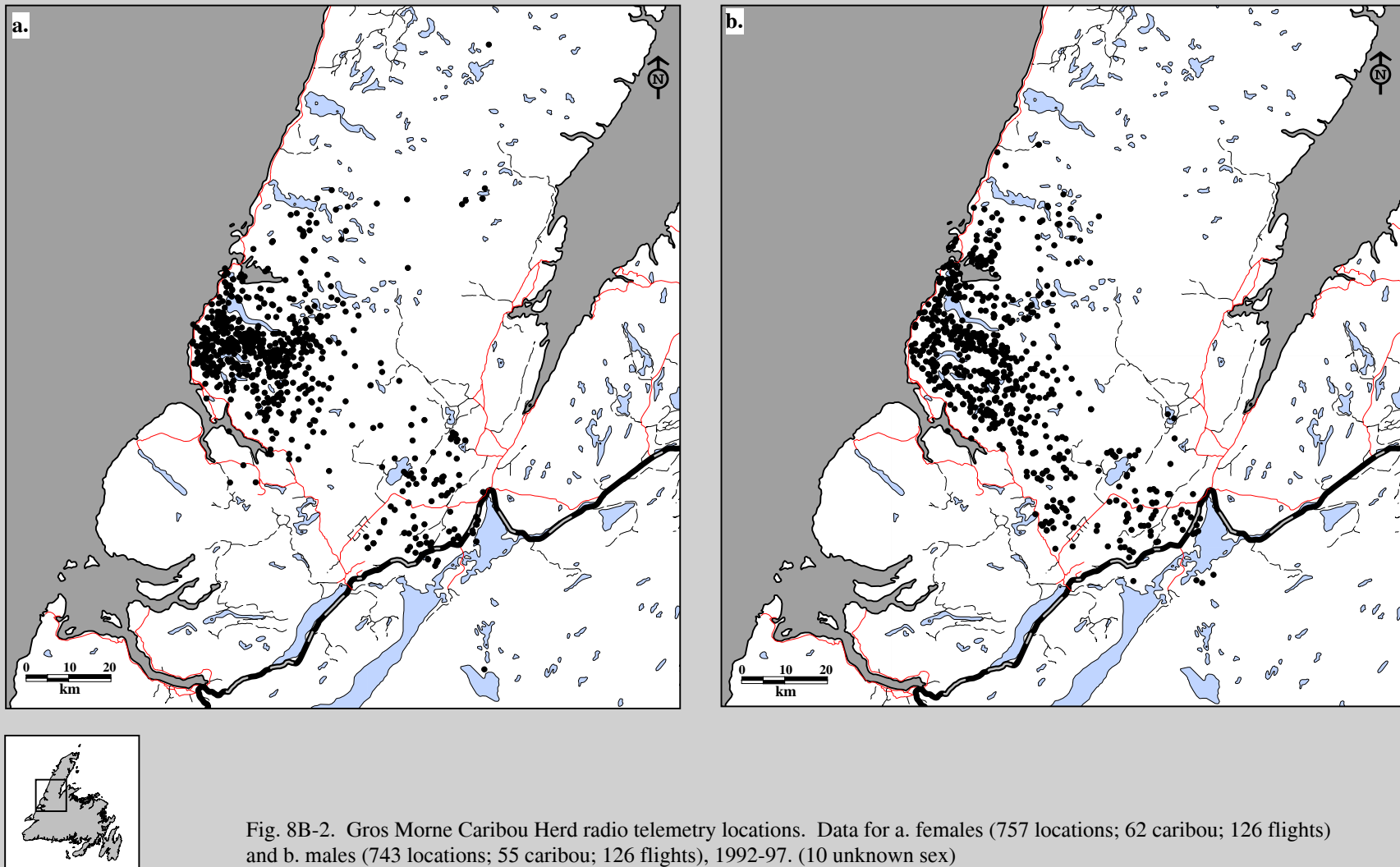


Fig. 8B-2. Gros Morne Caribou Herd radio telemetry locations. Data for a. females (757 locations; 62 caribou; 126 flights) and b. males (743 locations; 55 caribou; 126 flights), 1992-97. (10 unknown sex)

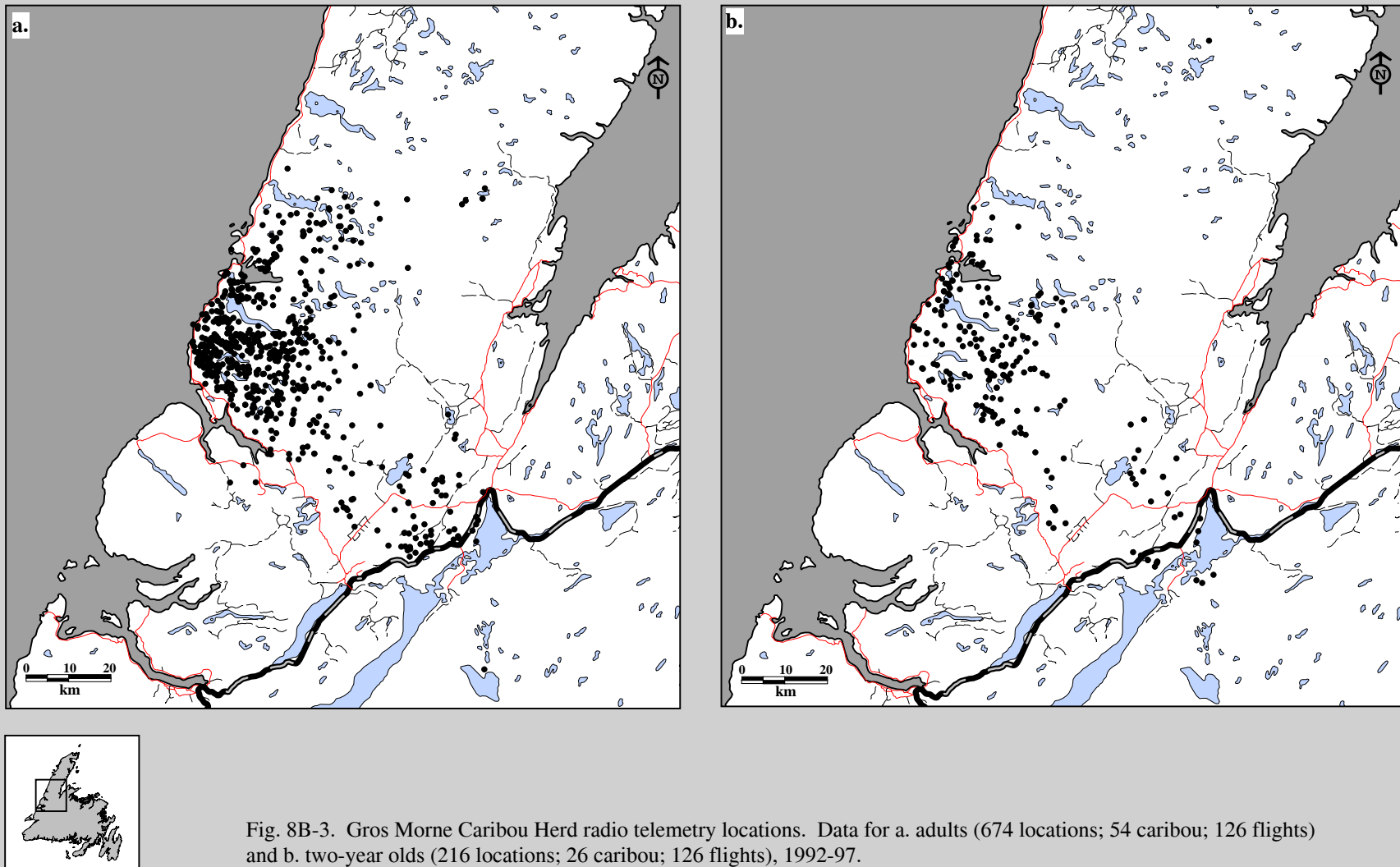


Fig. 8B-3. Gros Morne Caribou Herd radio telemetry locations. Data for a. adults (674 locations; 54 caribou; 126 flights) and b. two-year olds (216 locations; 26 caribou; 126 flights), 1992-97.



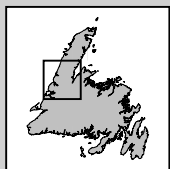
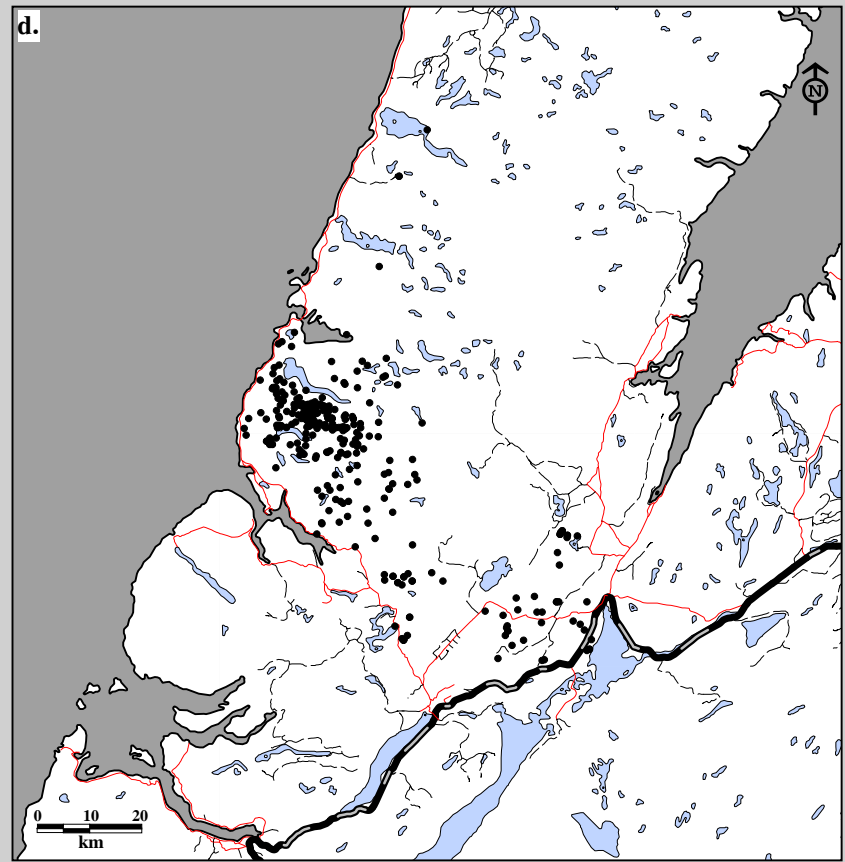
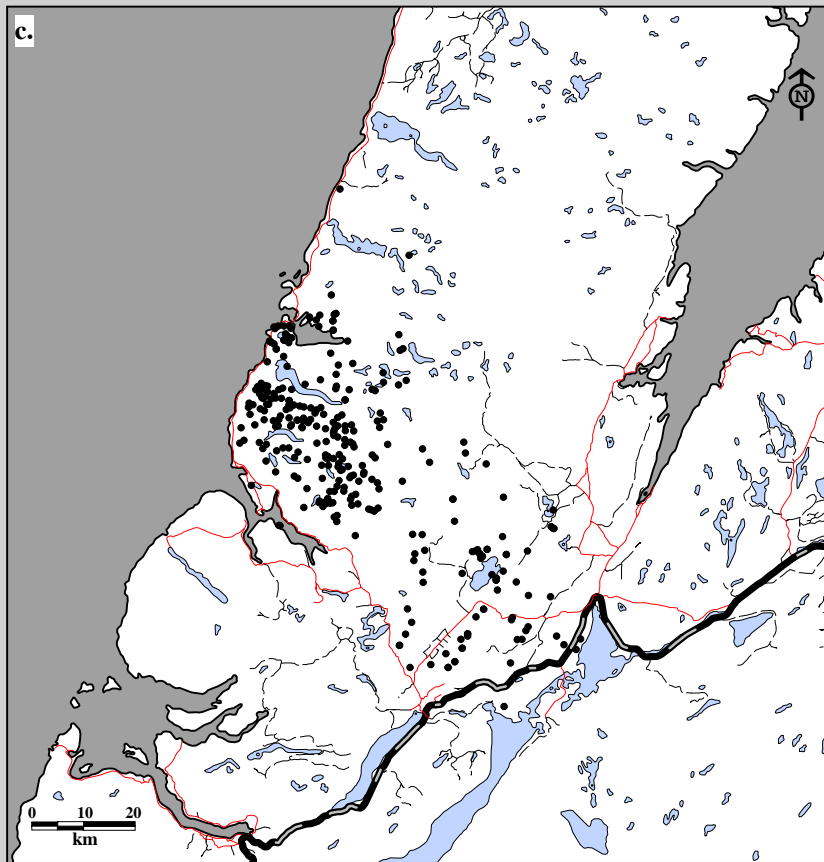
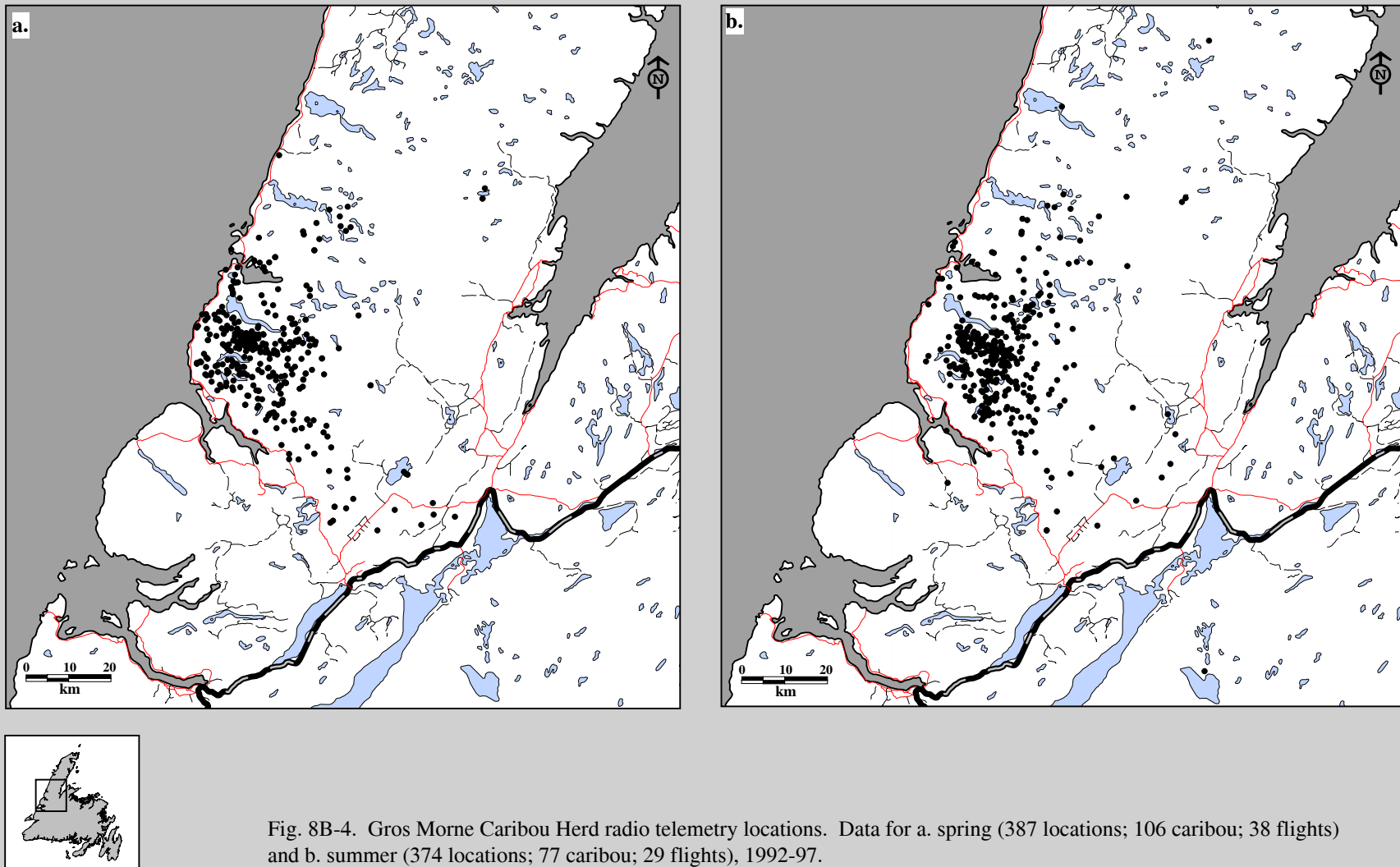
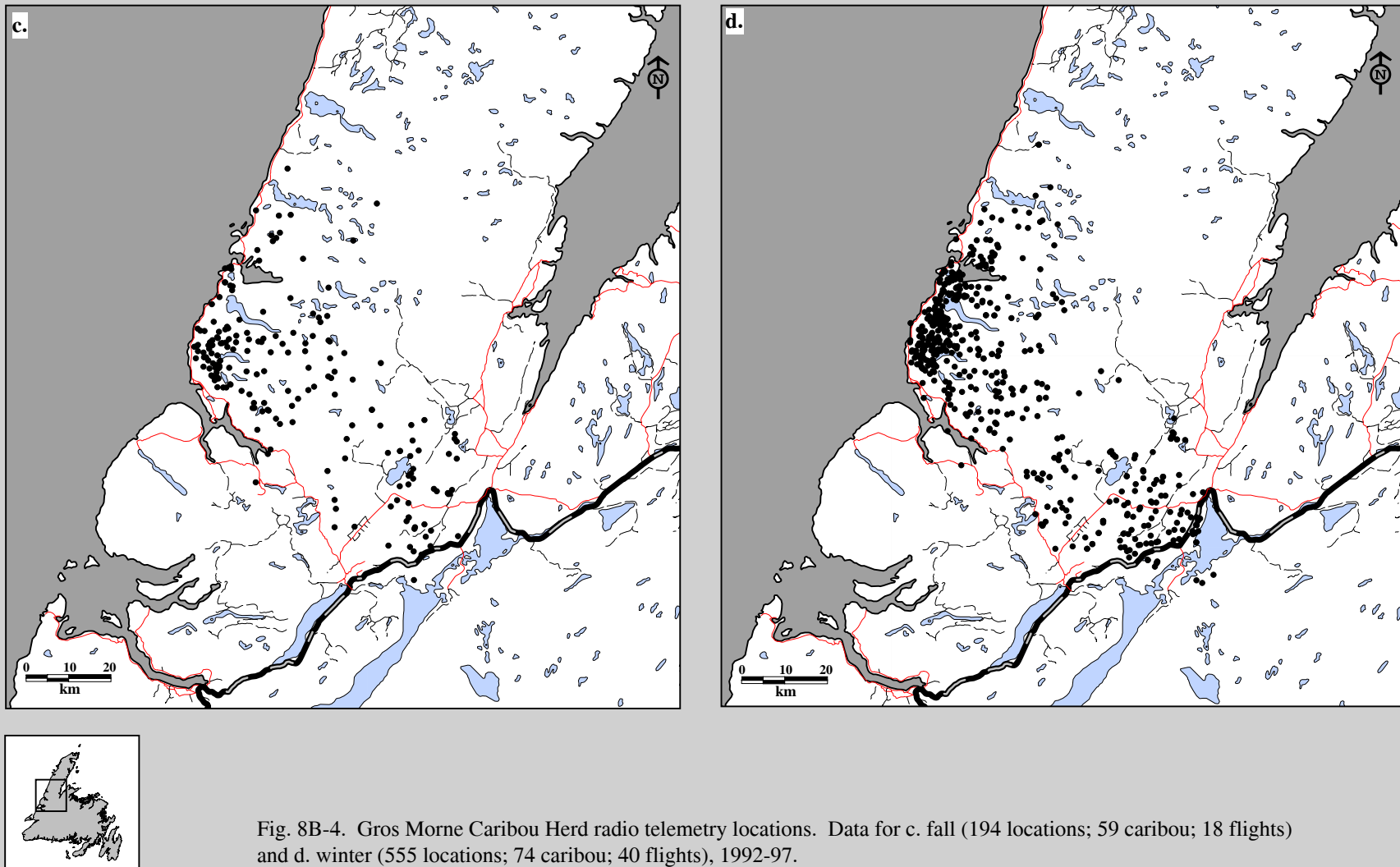


Fig. 8B-3. Gros Morne Caribou Herd radio telemetry locations. Data for c. yearlings (305 locations; 42 caribou; 126 flights) and d. calves (315 locations; 65 caribou; 126 flights), 1992-97.





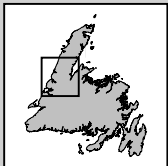
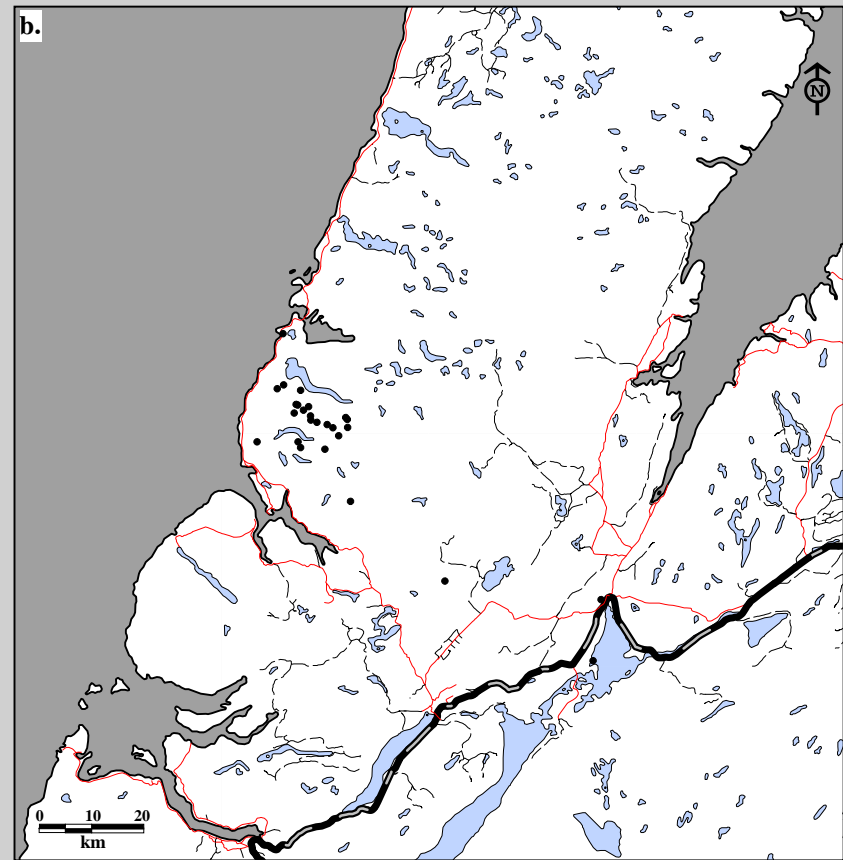
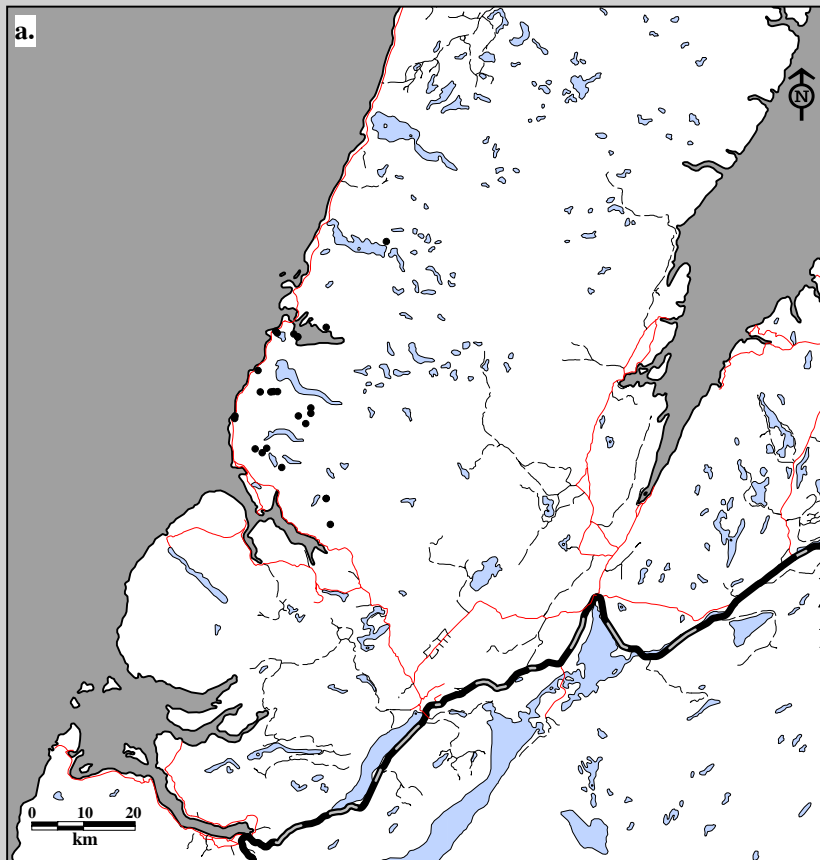


Fig. 8B-5. Gros Morne Caribou Herd radio telemetry locations. Data for a. all cohorts, 1992-93 (25 locations; 14 caribou; 5 flights) and b. all cohorts, 1993-94 (26 locations; 21 caribou; 8 flights).

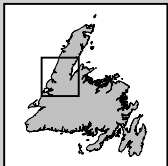
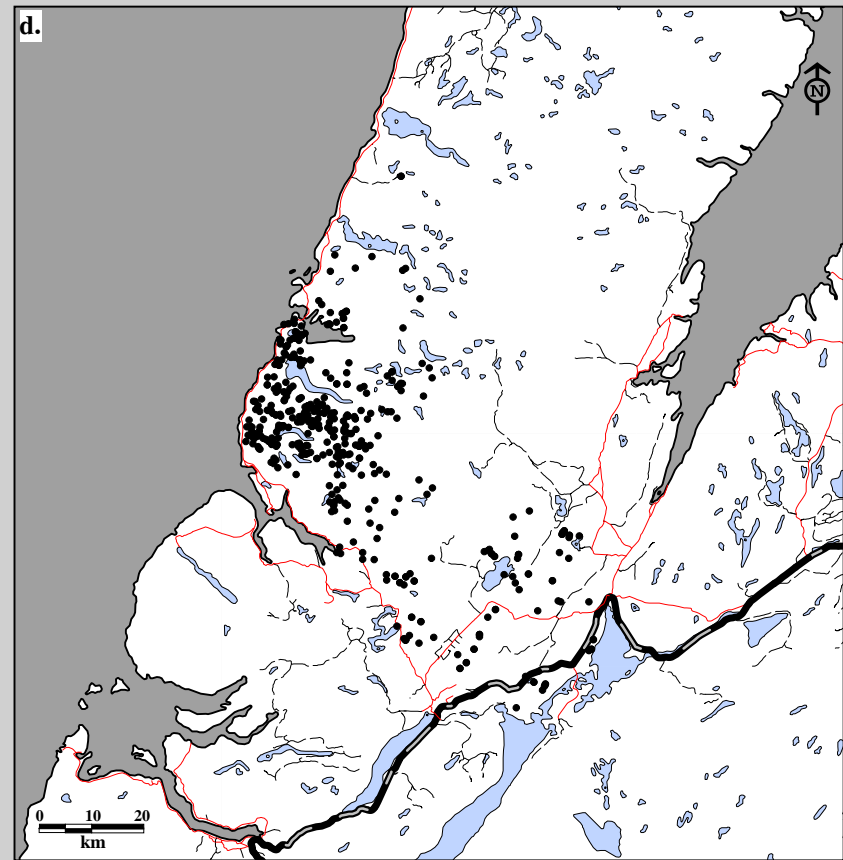
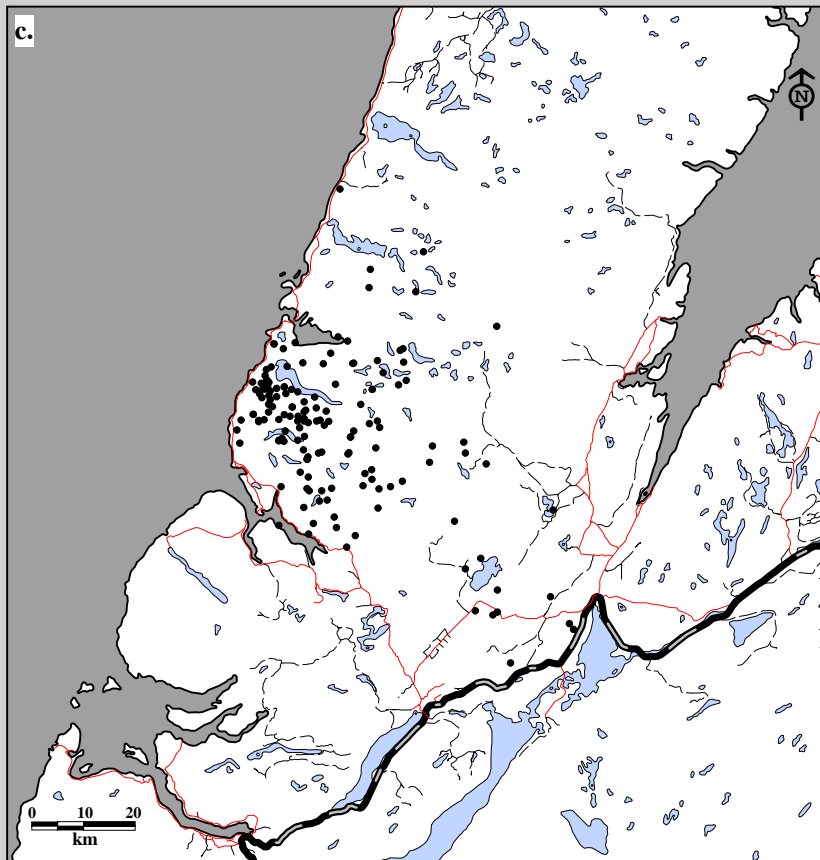


Fig. 8B-5. Gros Morne Caribou Herd radio telemetry locations. Data for c. all cohorts, 1994-95 (150 locations; 46 caribou; 21 flights) and d. all cohorts, 1995-96 (451 locations; 64 caribou; 39 flights).

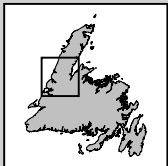
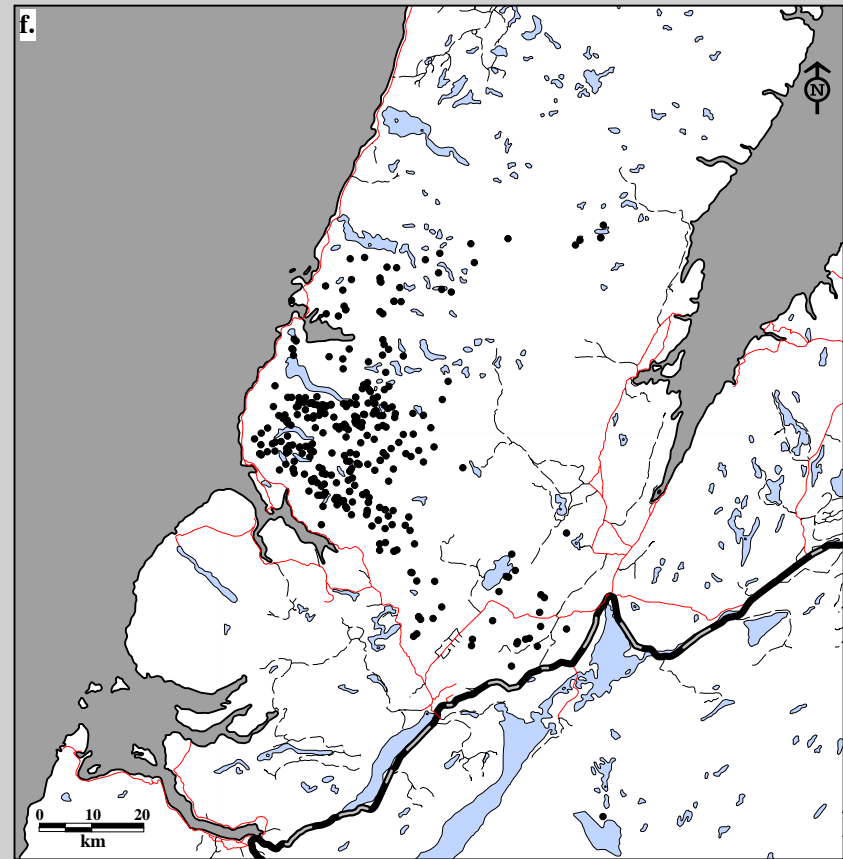
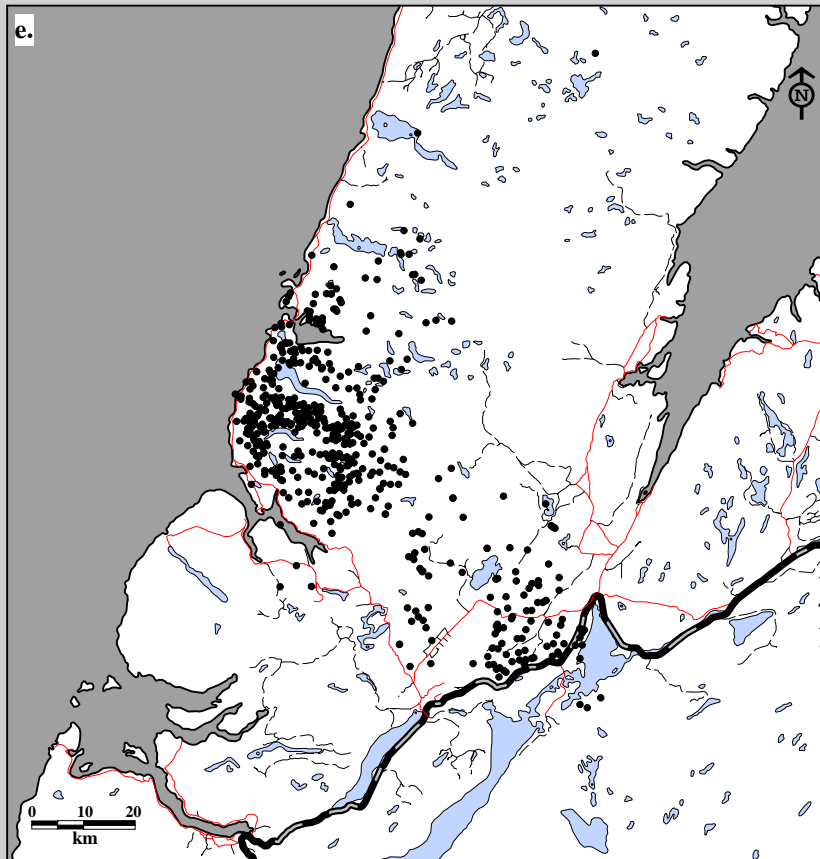
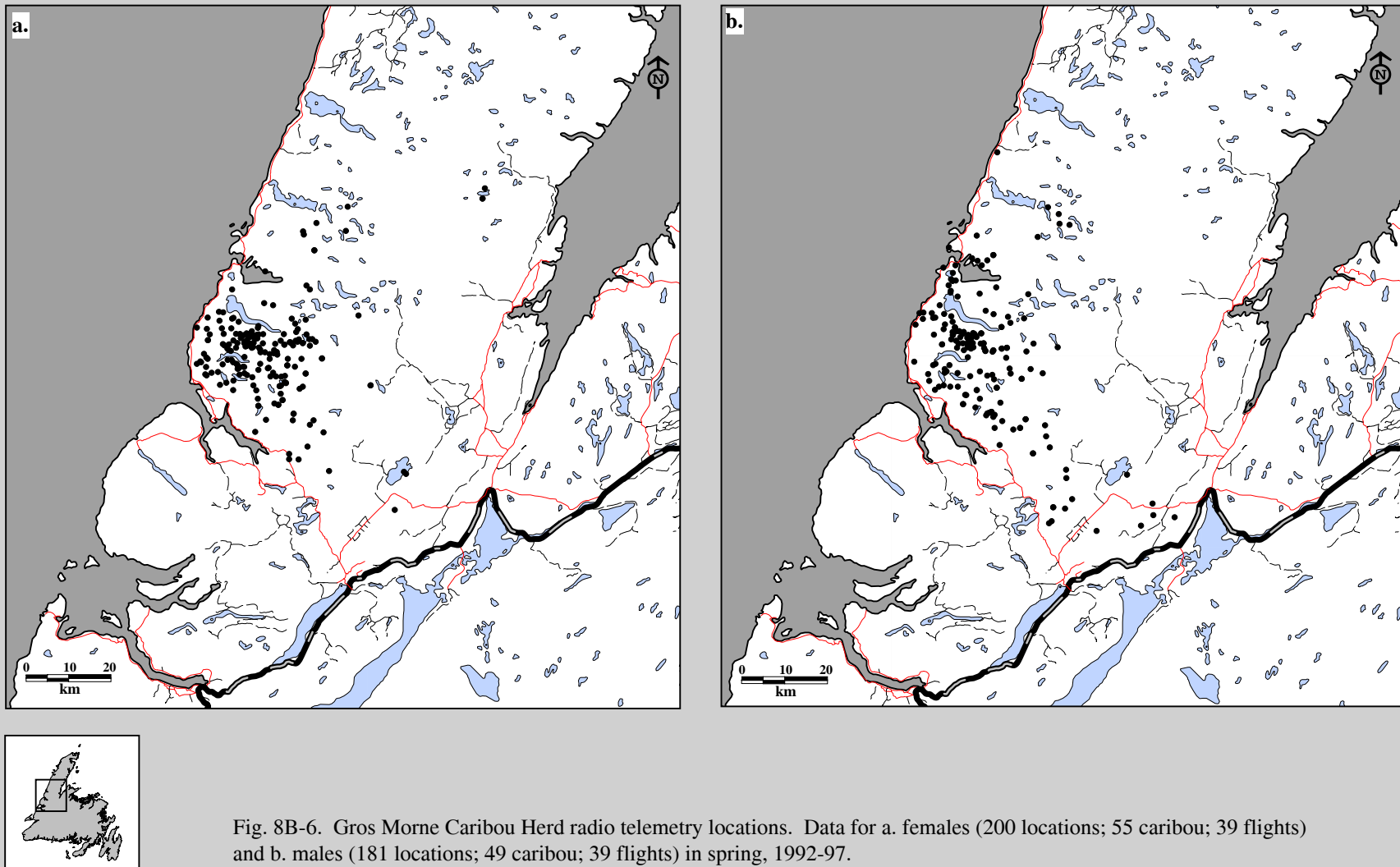
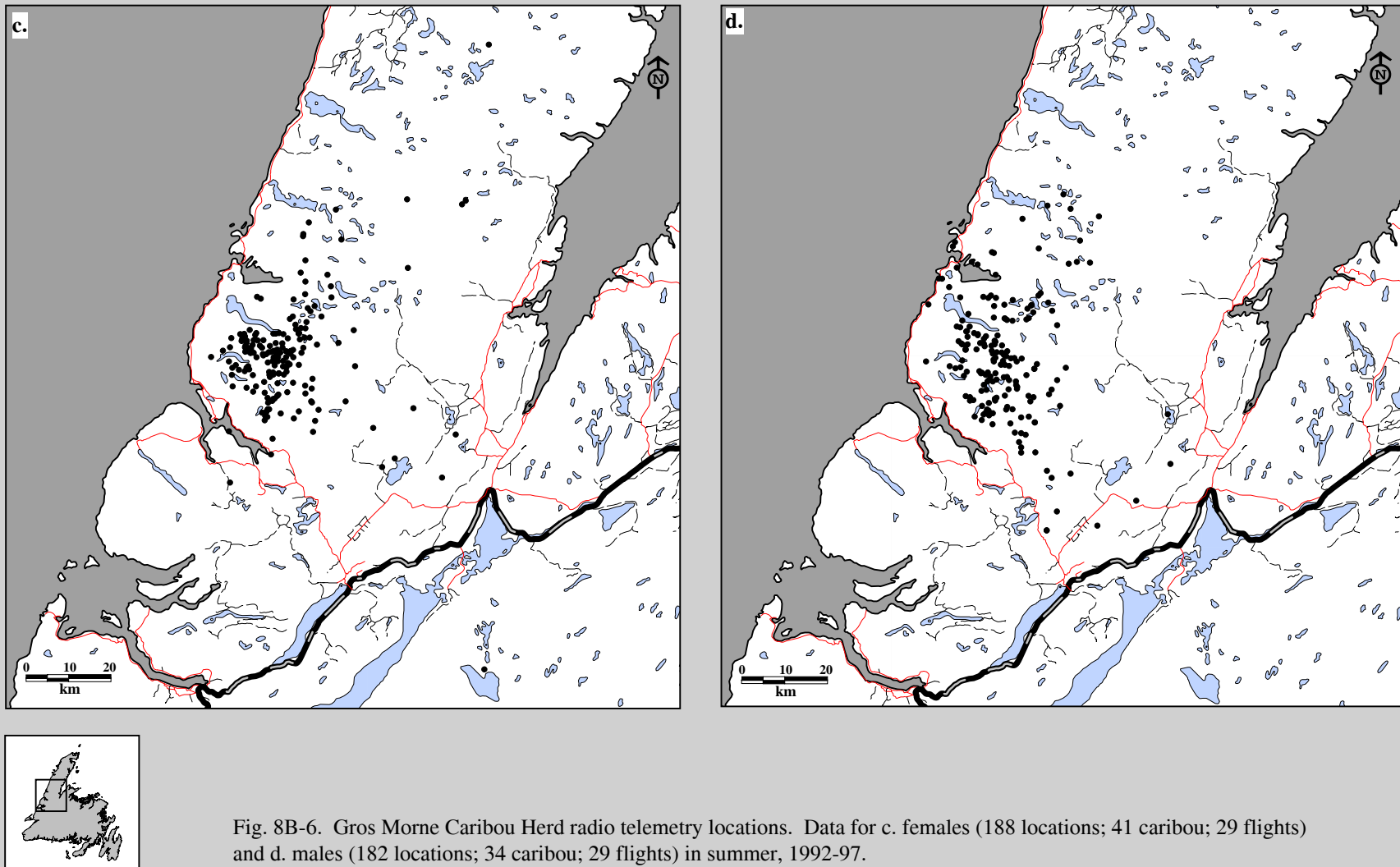


Fig. 8B-5. Gros Morne Caribou Herd radio telemetry locations. Data for e. all cohorts, 1996-97 (537 locations; 61 caribou; 36 flights) and f. all cohorts, 1997-98 (321 locations; 50 caribou; 17 flights).









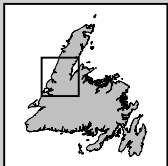
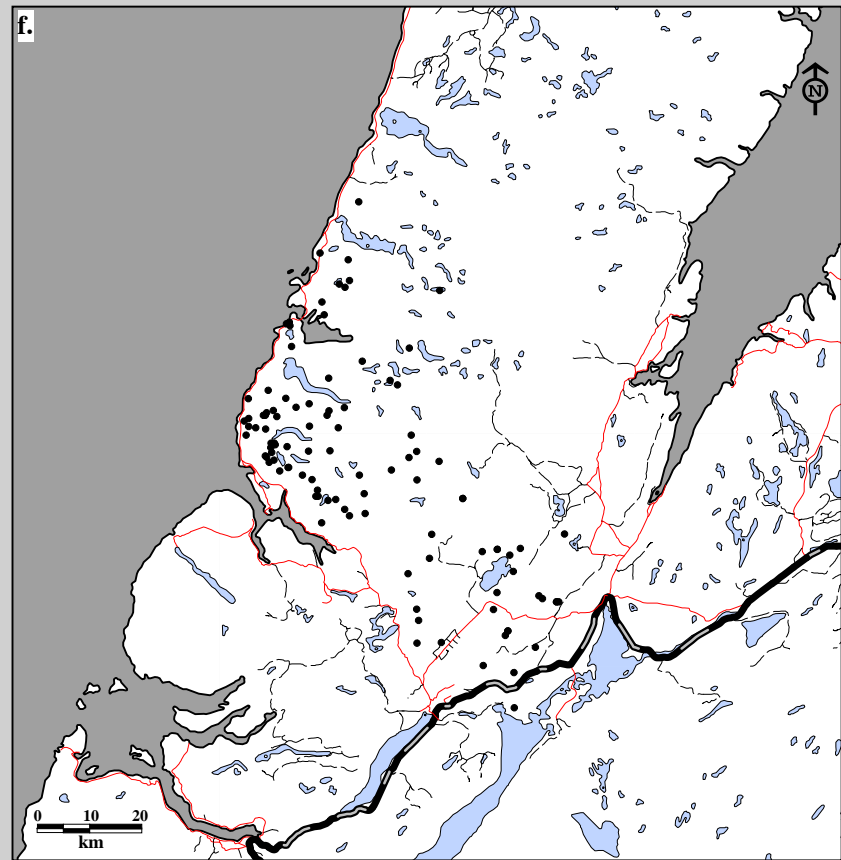
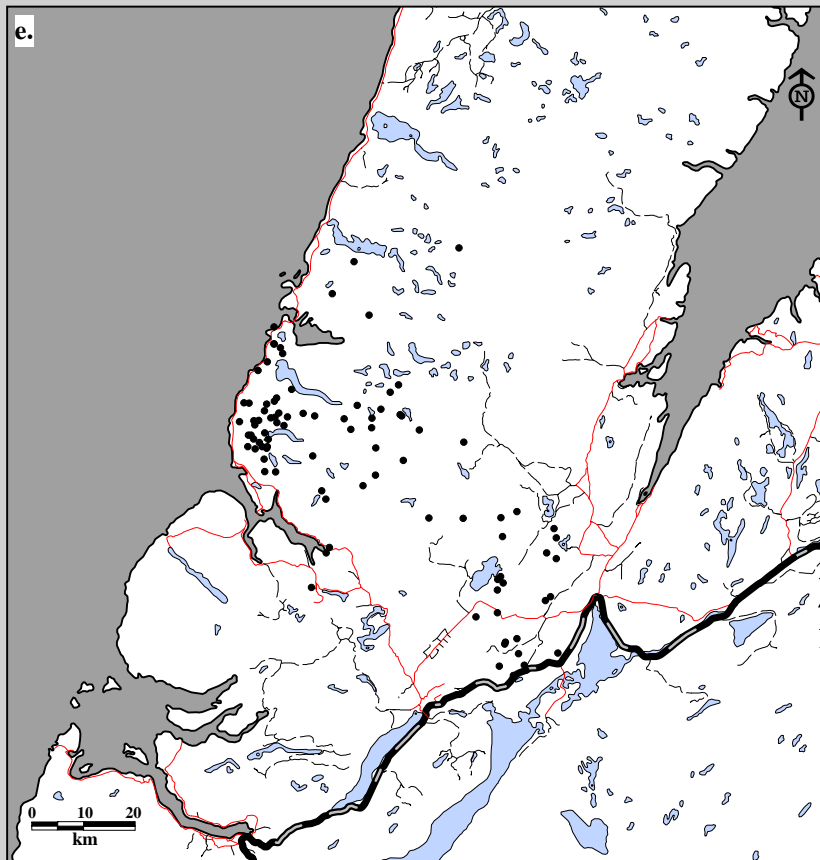
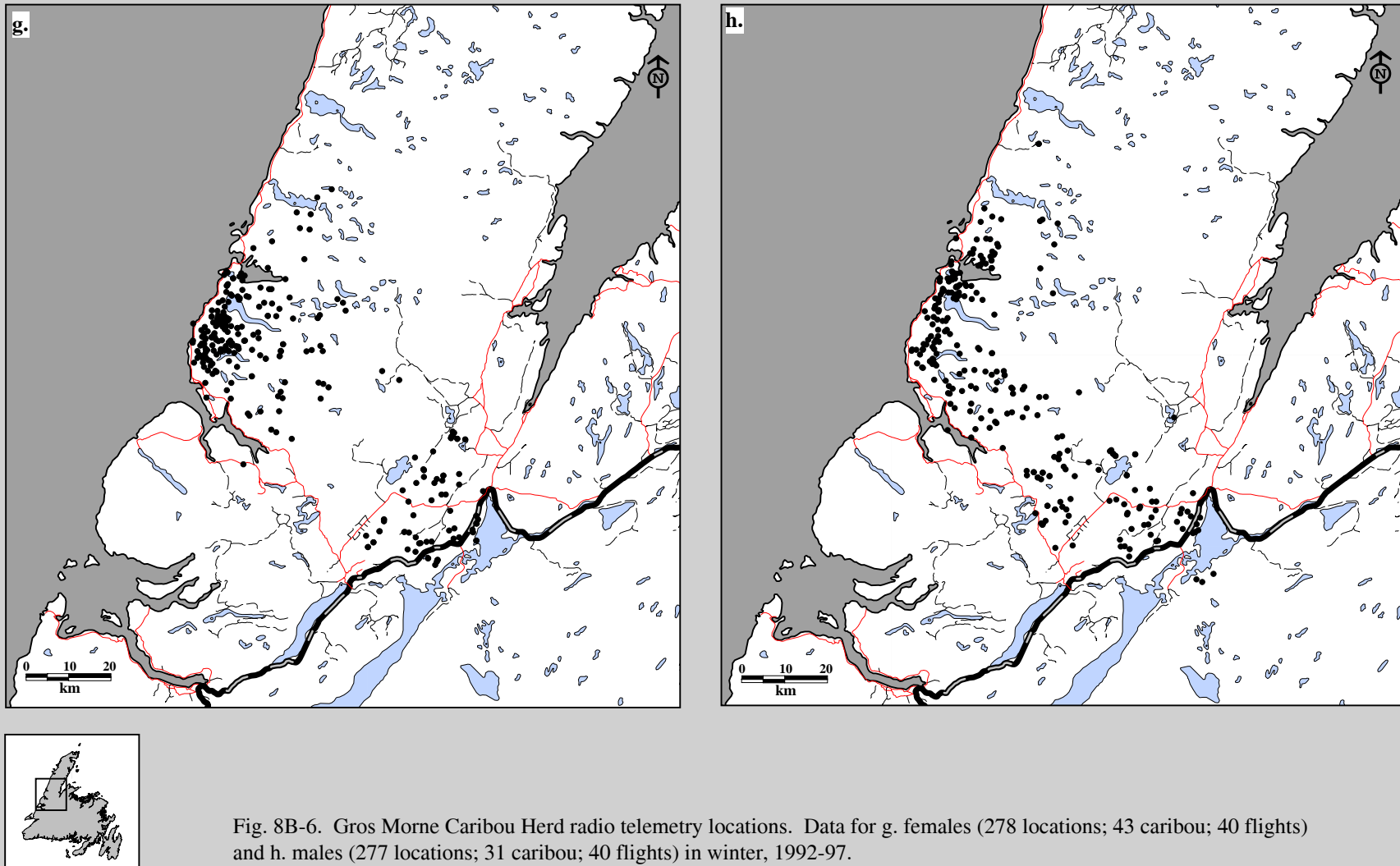
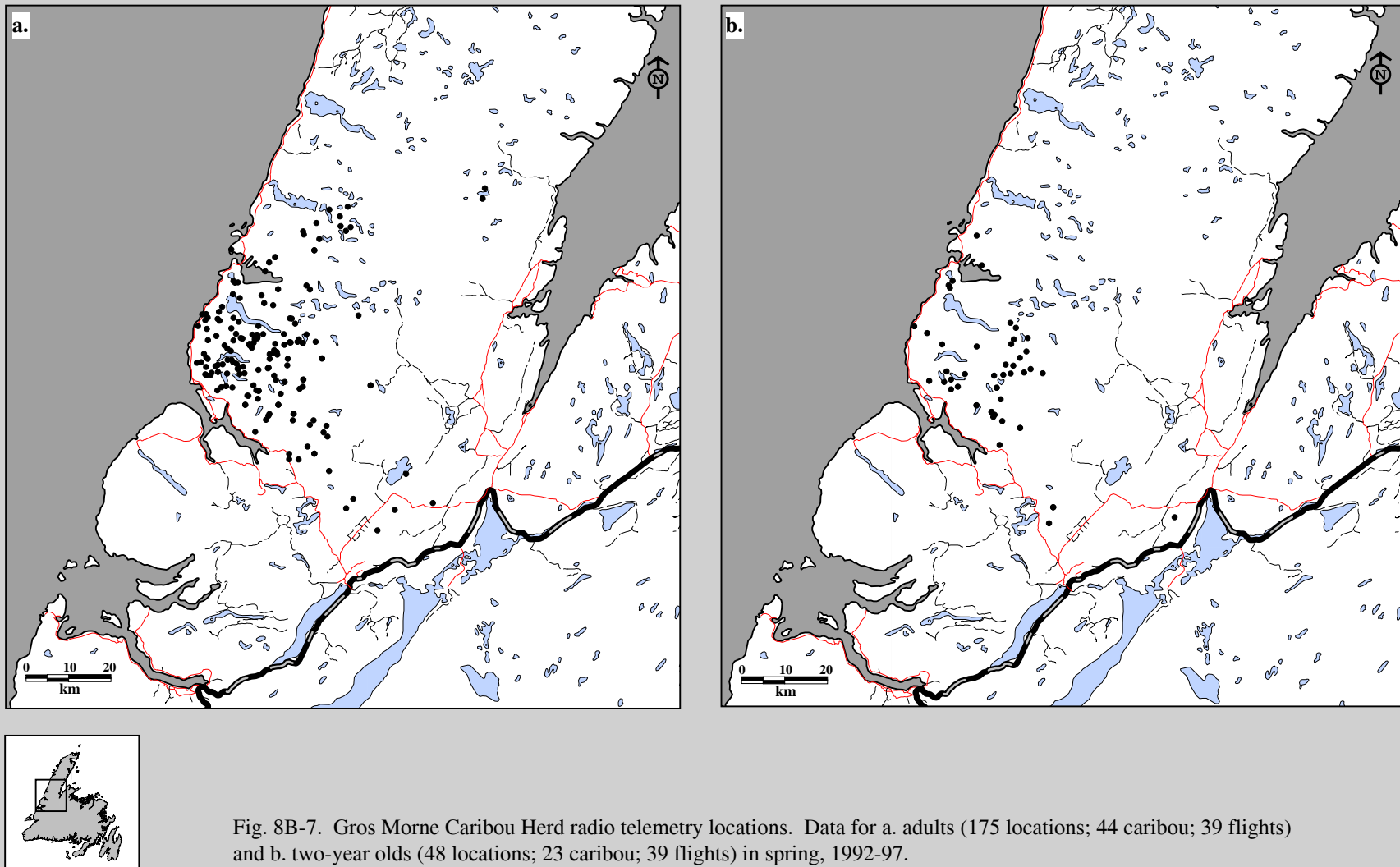


Fig. 8B-6. Gros Morne Caribou Herd radio telemetry locations. Data for e. females (91 locations; 29 caribou; 18 flights) and f. males (103 locations; 30 caribou; 18 flights) in fall, 1992-97.





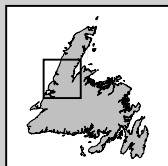
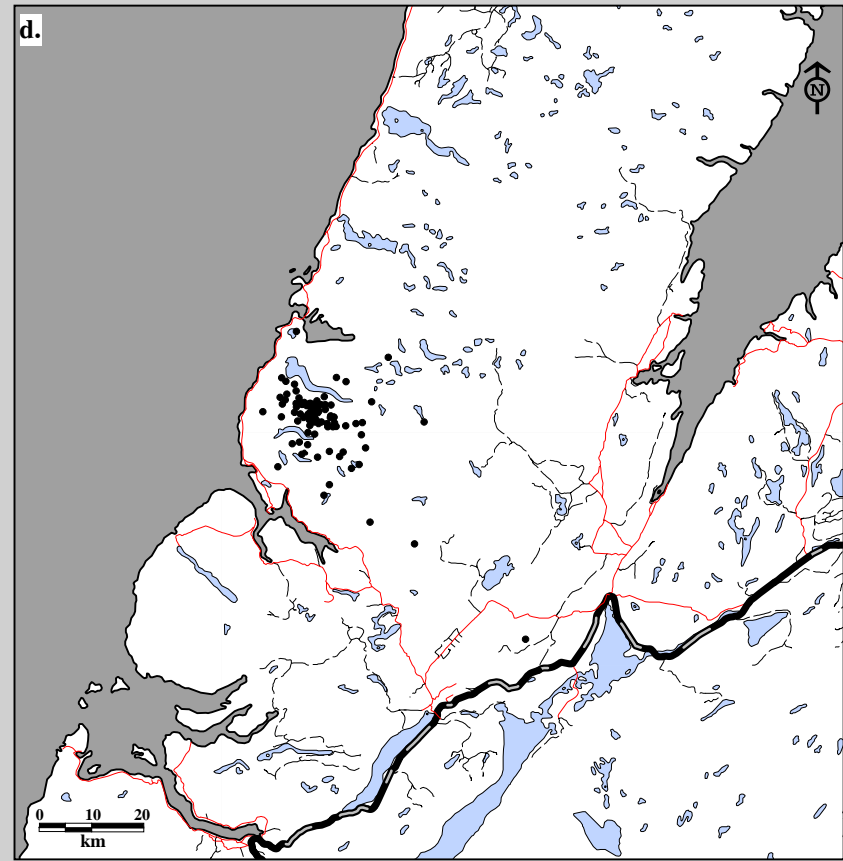
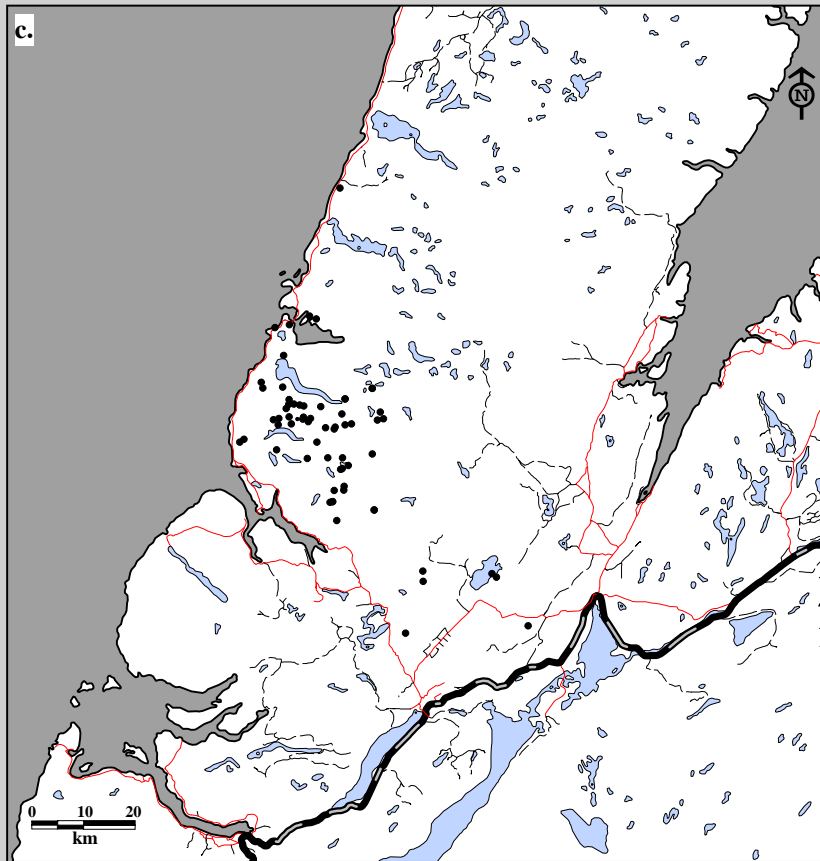
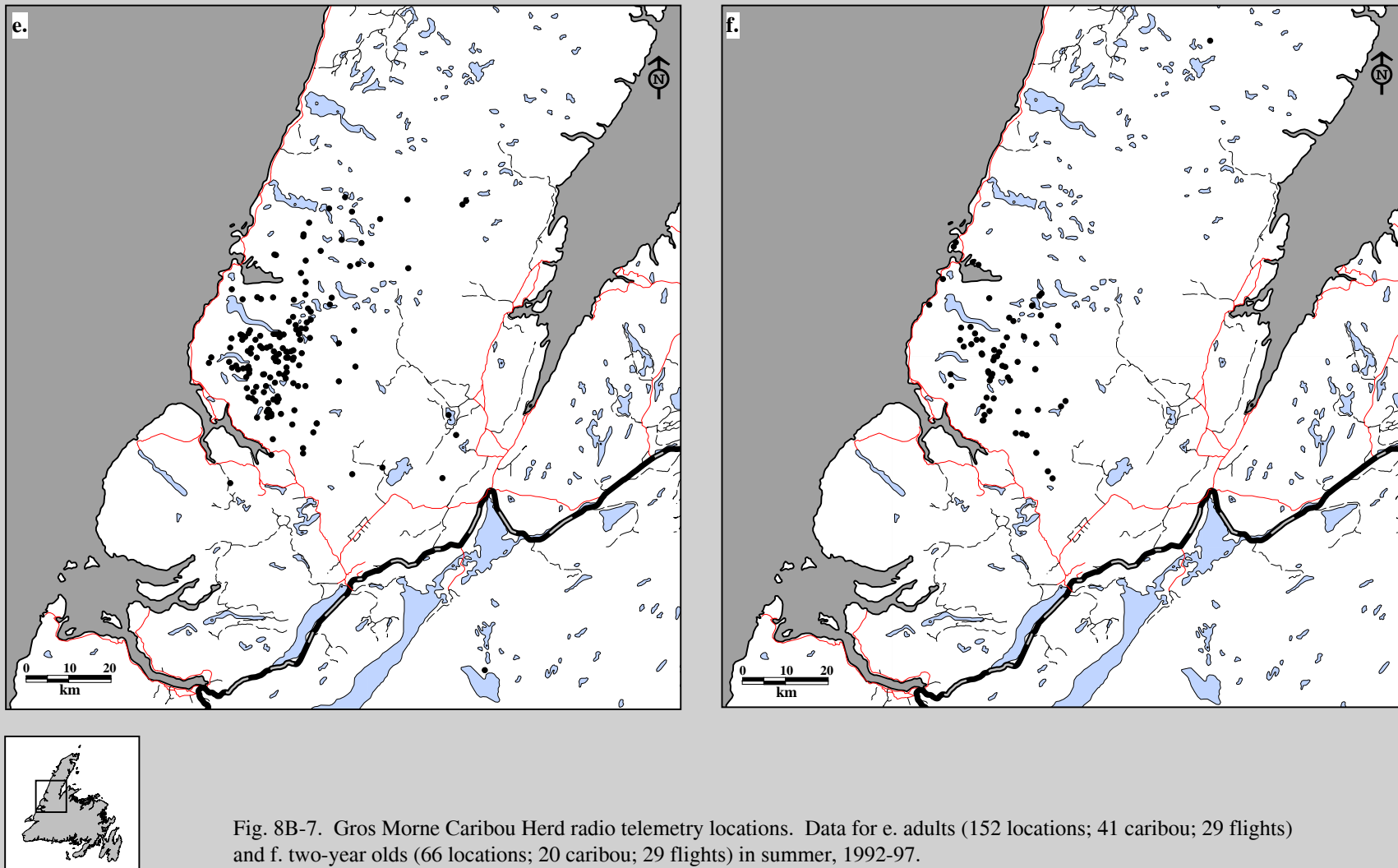
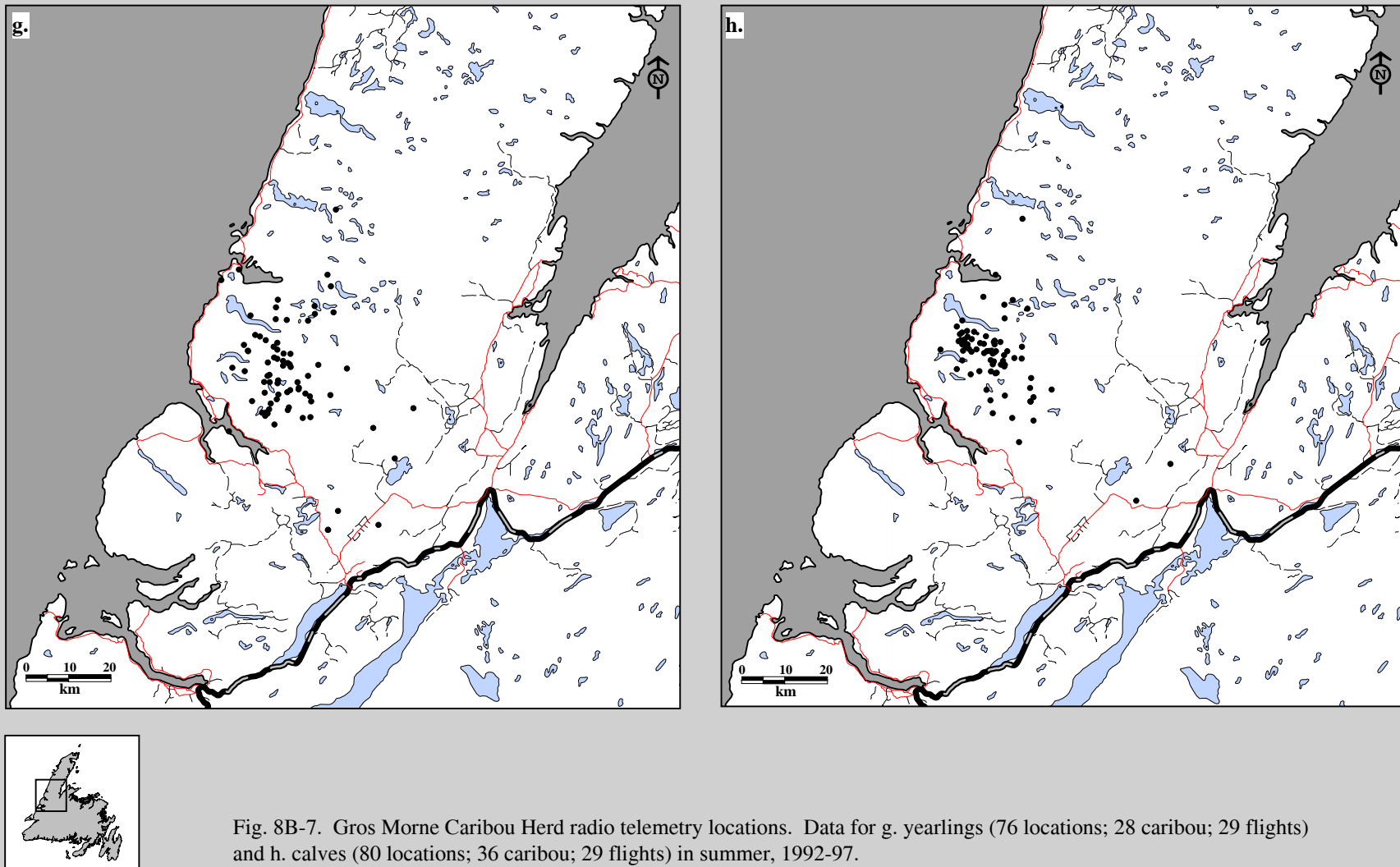


Fig. 8B-7. Gros Morne Caribou Herd radio telemetry locations. Data for c. yearlings (66 locations; 35 caribou; 39 flights) and d. calves (98 locations; 58 caribou; 39 flights) in spring, 1992-97.





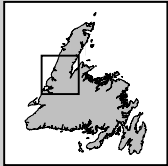
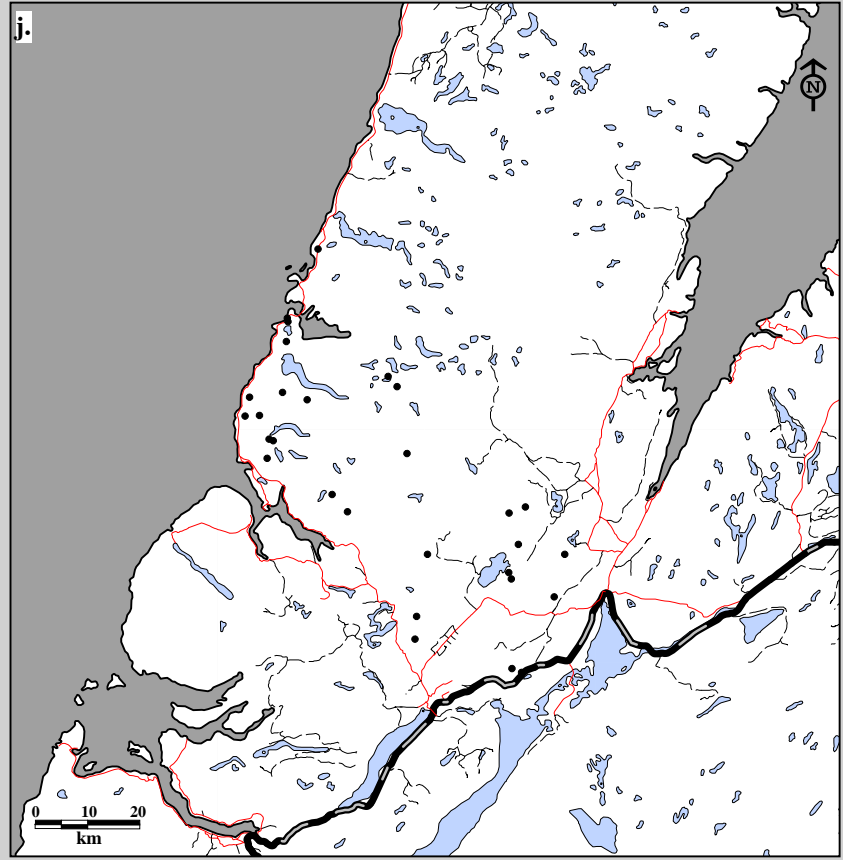
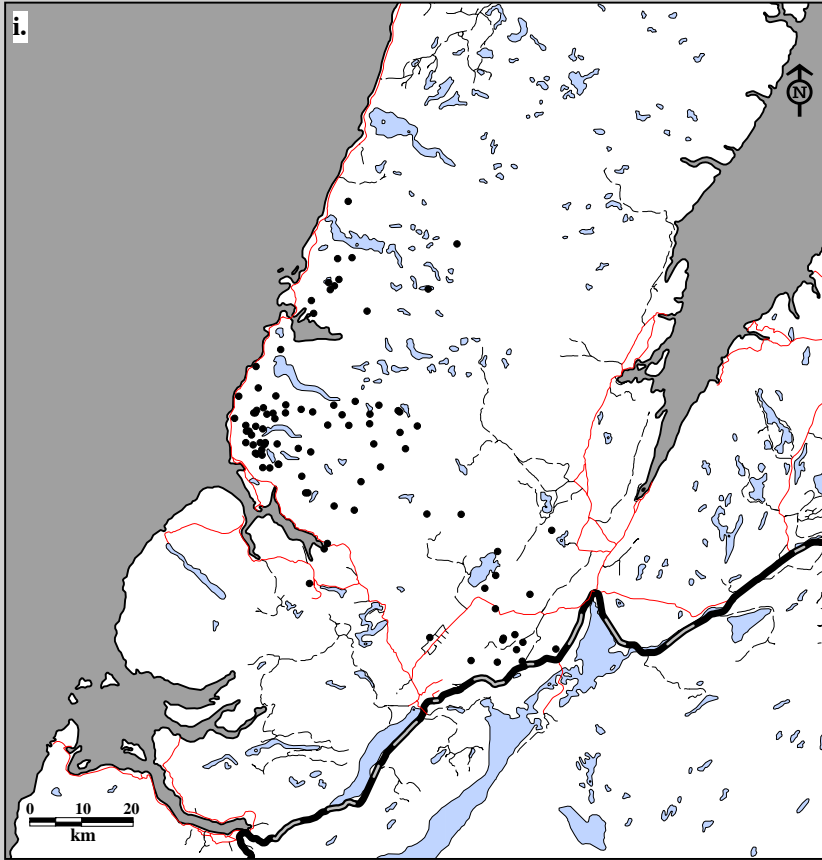


Fig. 8B-7. Gros Morne Caribou Herd radio telemetry locations. Data for i. adults (93 locations; 34 caribou; 18 flights) and j. two-year olds (29 locations; 18 caribou; 18 flights) in fall, 1992-97.



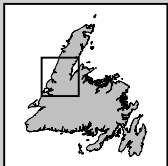
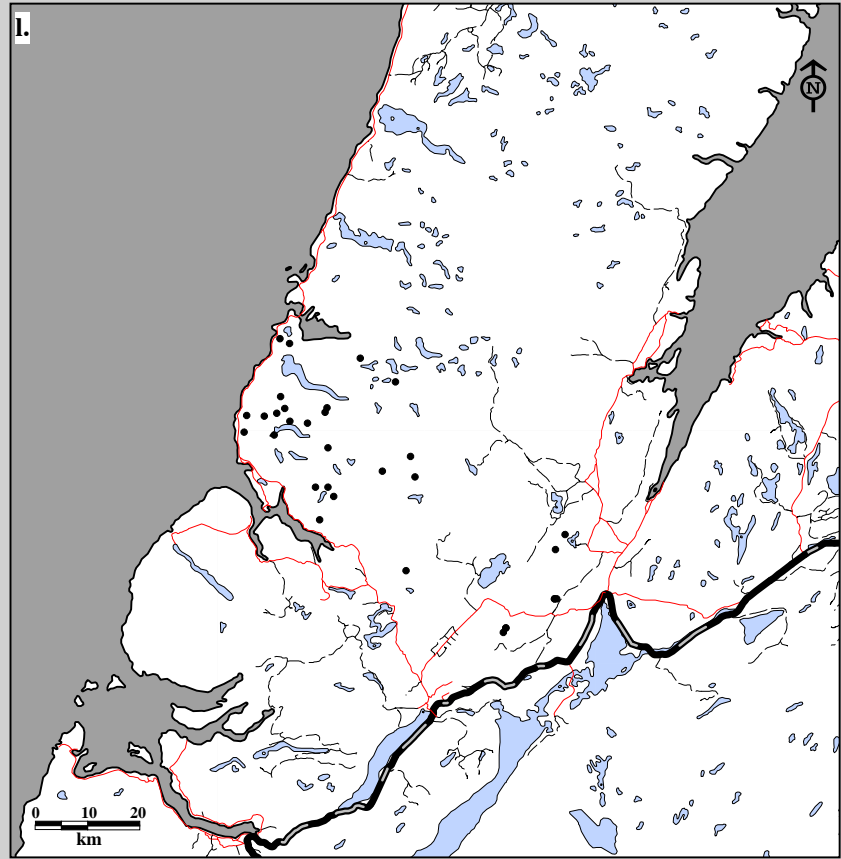
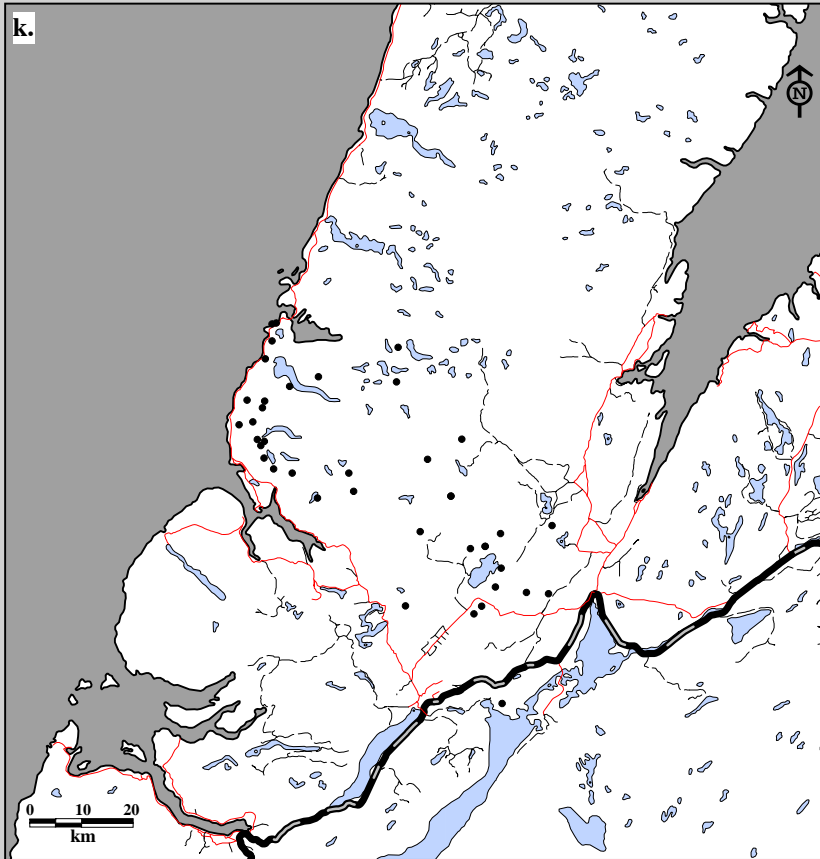


Fig. 8B-7. Gros Morne Caribou Herd radio telemetry locations. Data for k. yearlings (40 locations; 27 caribou; 18 flights) and l. calves (32 locations; 23 caribou; 18 flights) in fall, 1992-97.



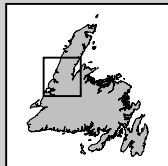
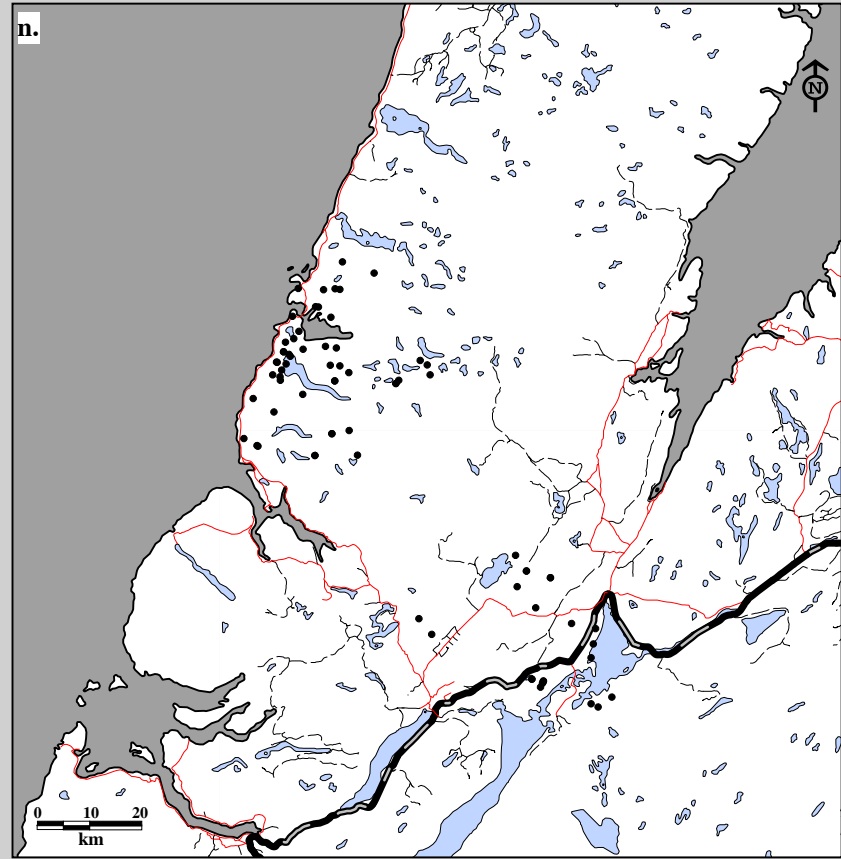
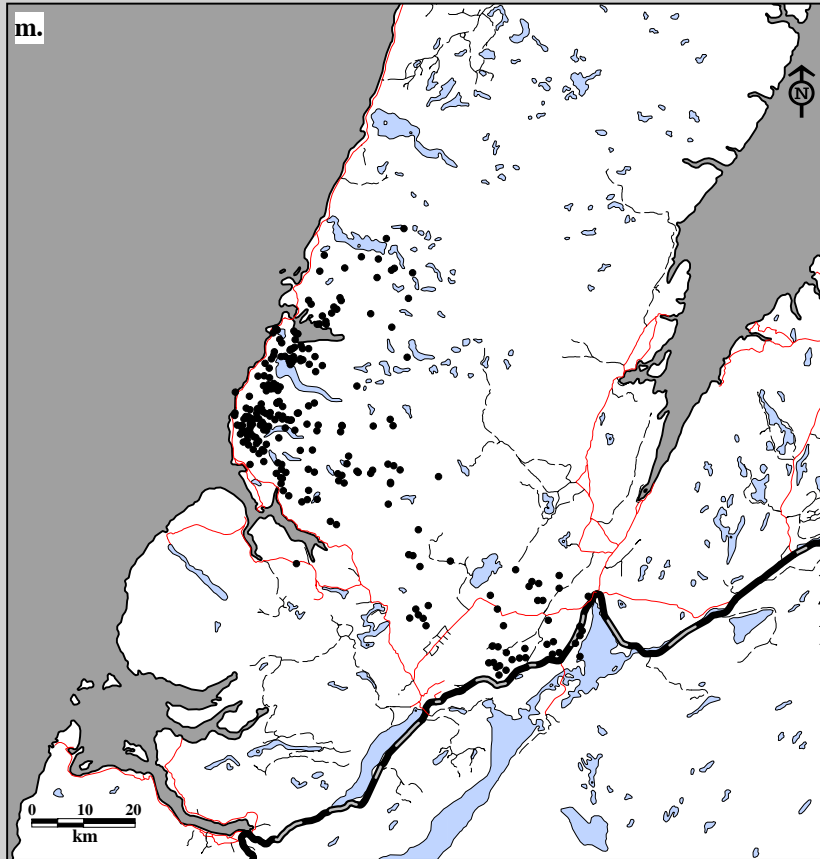


Fig. 8B-7. Gros Morne Caribou Herd radio telemetry locations. Data for m. adults (254 locations; 46 caribou; 40 flights) and n. two-year olds (73 locations; 15 caribou; 40 flights) in winter, 1992-97.

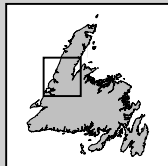
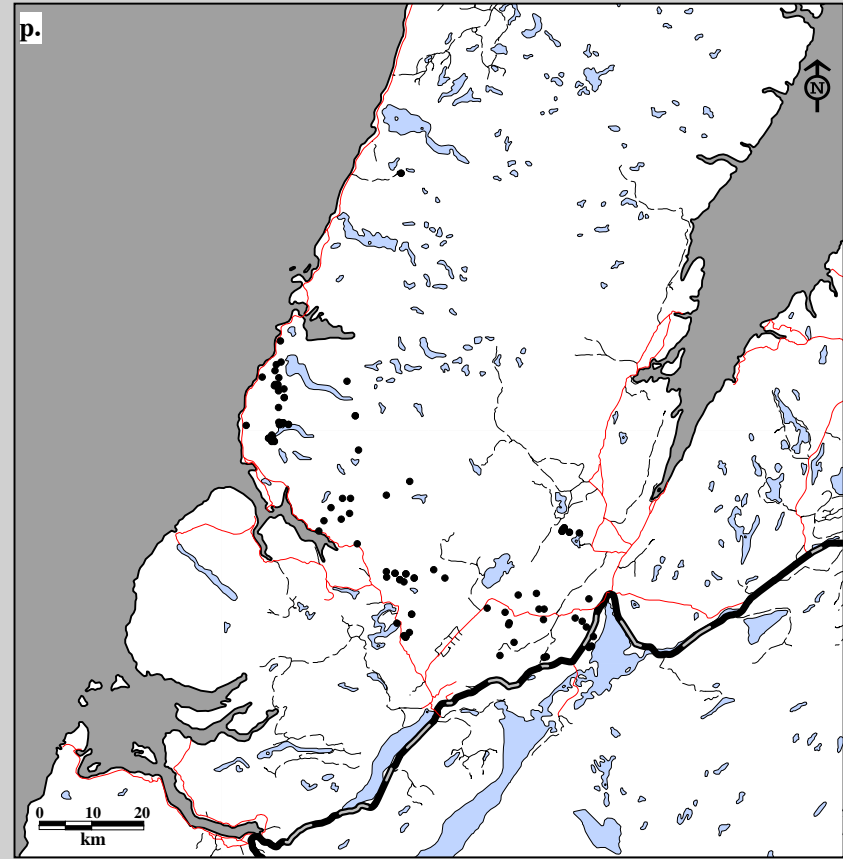
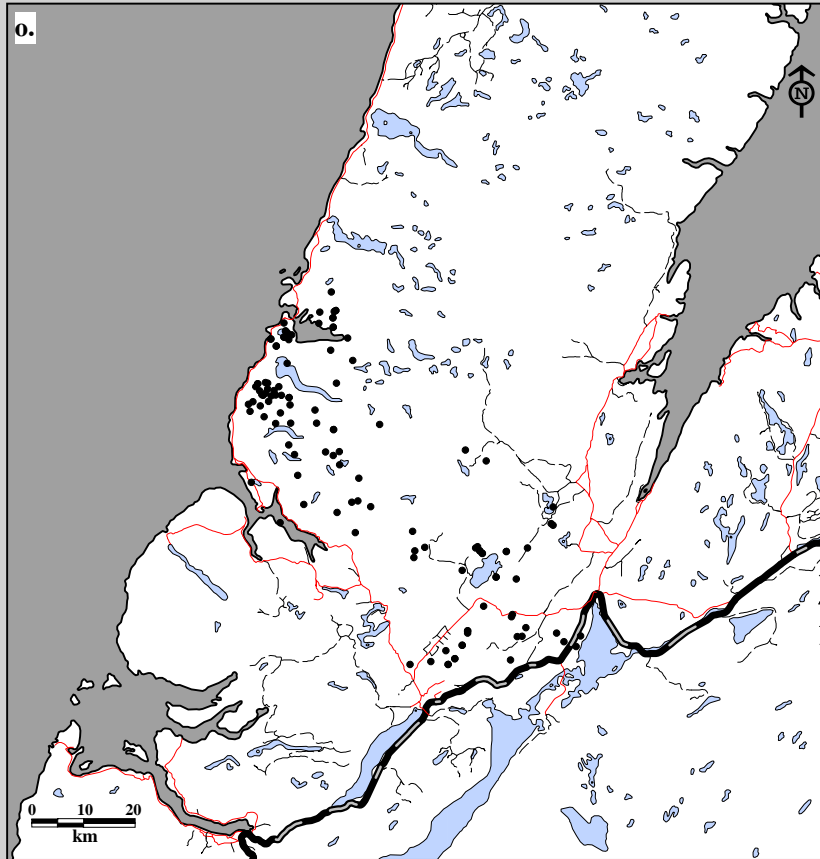


Fig. 8B-7. Gros Morne Caribou Herd radio telemetry locations. Data for o. yearlings (123 locations; 26 caribou; 40 flights) and p. calves (105 locations; 22 caribou; 40 flights) in winter, 1992-97.

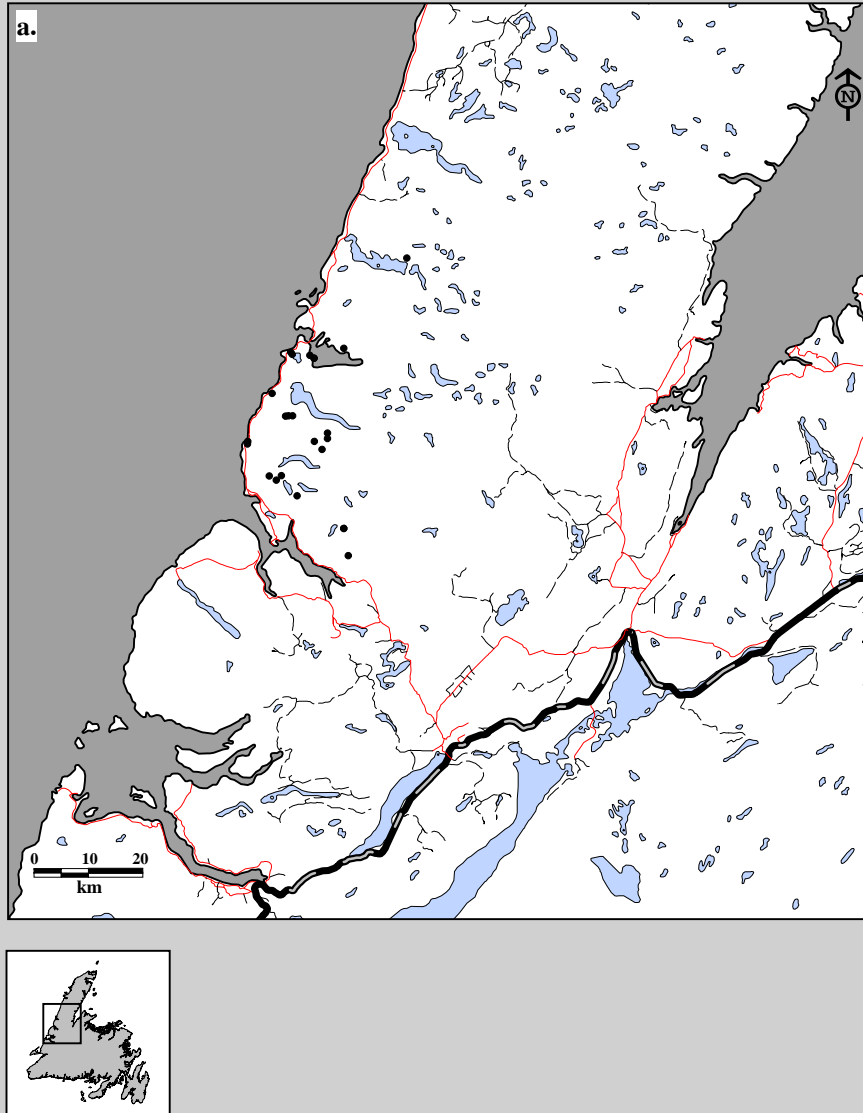


Fig. 8B-8. Gros Morne Caribou Herd radio telemetry locations. Data for a. females (24 locations; 13 caribou; 5 flights), 1992-93.

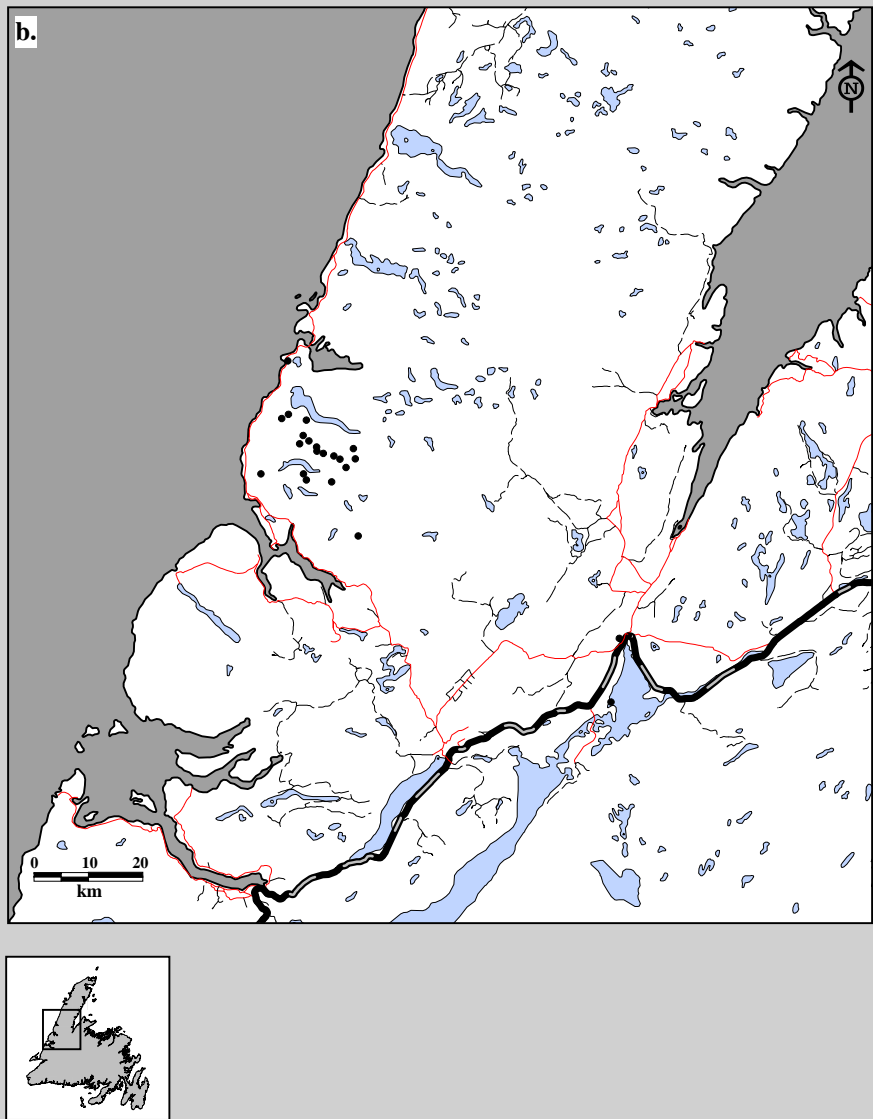


Fig. 8B-8. Gros Morne Caribou Herd radio telemetry locations. Data for b. females (22 locations; 17 caribou; 8 flights), 1993-94.

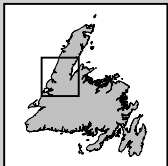
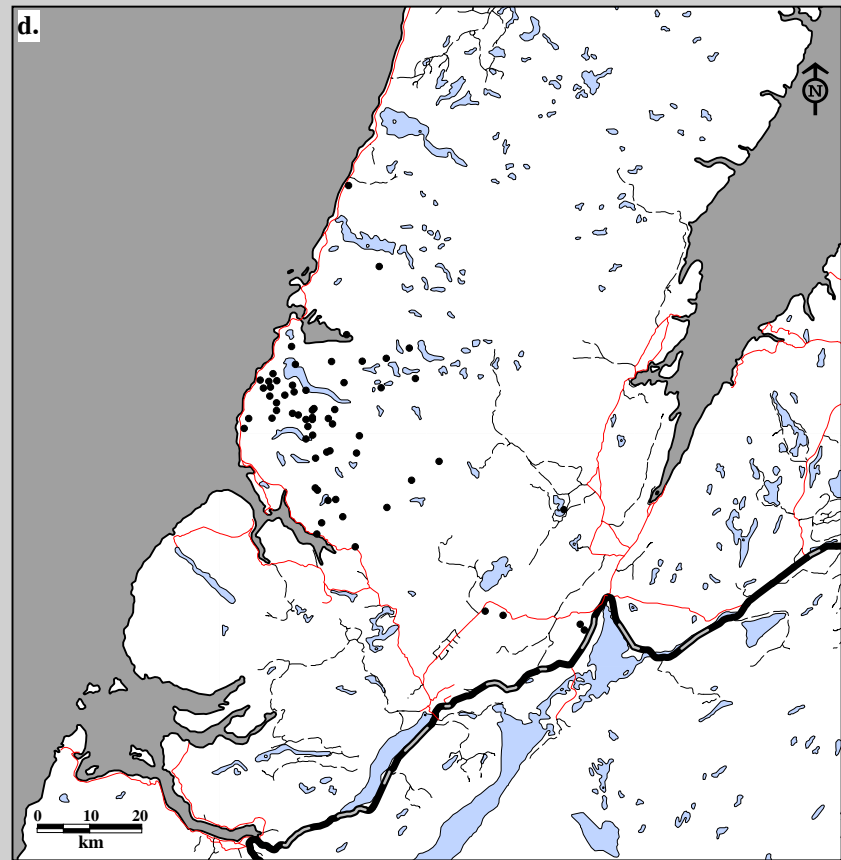
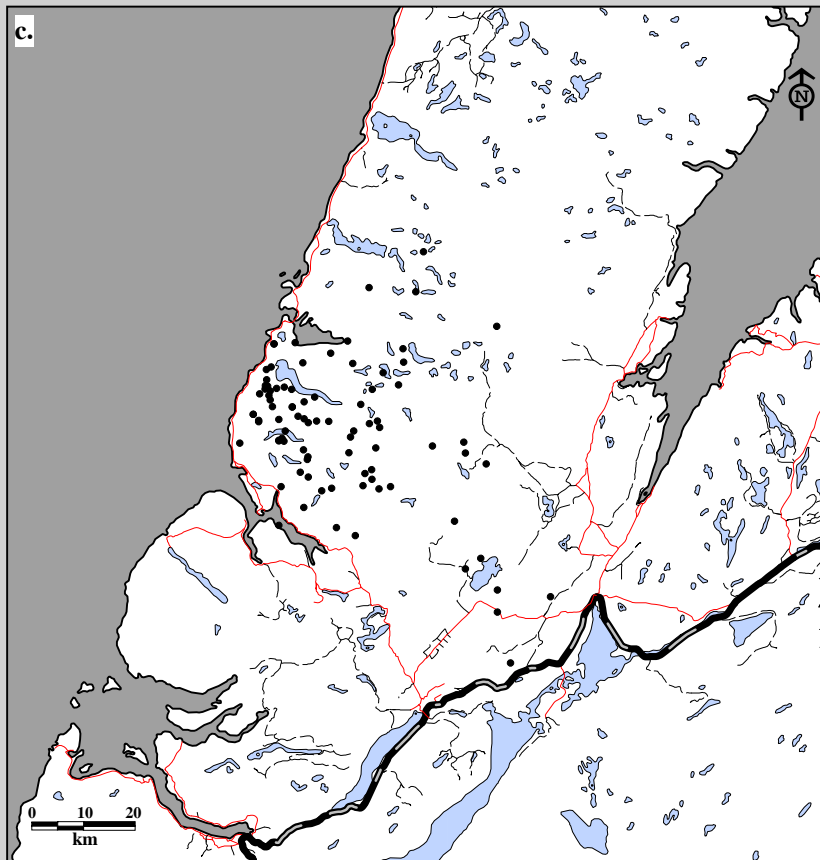


Fig. 8B-8. Gros Morne Caribou Herd radio telemetry locations. Data for c. females (87 locations; 27 caribou; 21 flights) and d. males (62 locations; 18 caribou; 21 flights), 1994-95.

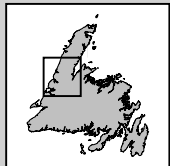
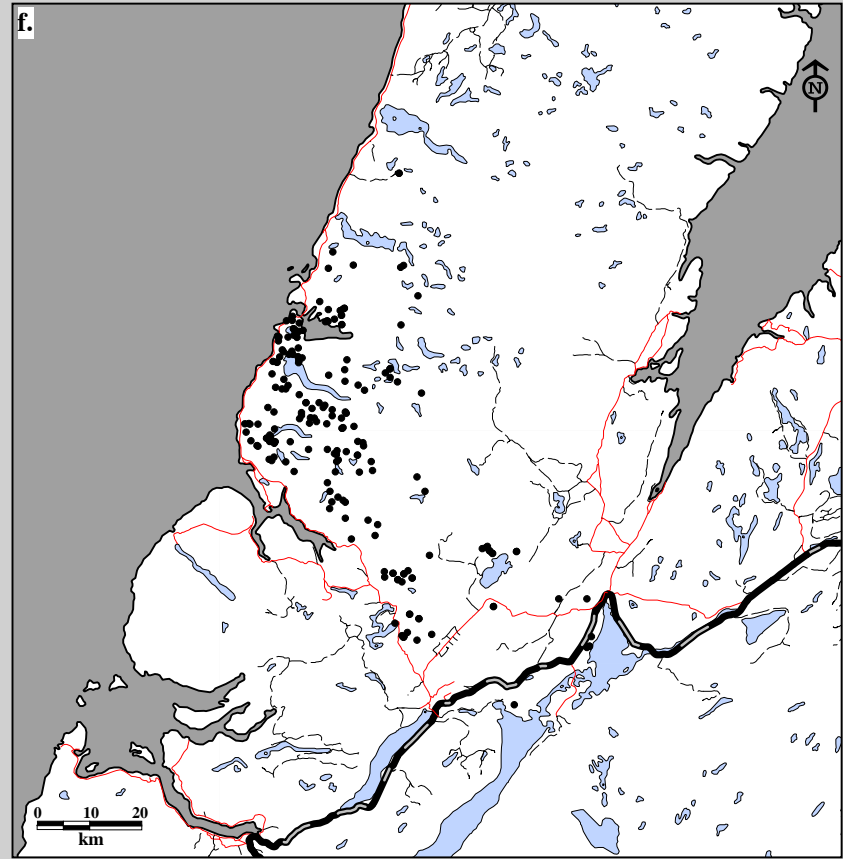
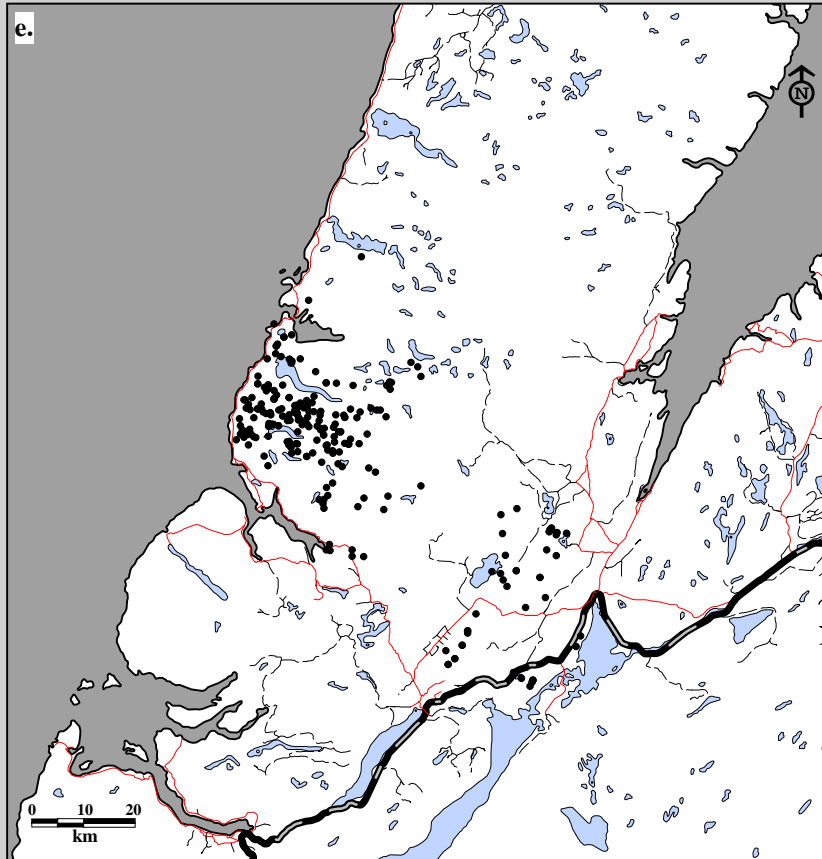


Fig. 8B-8. Gros Morne Caribou Herd radio telemetry locations. Data for e. females (246 locations; 33 caribou; 39 flights) and f. males (203 locations; 30 caribou; 39 flights), 1995-96.

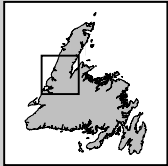
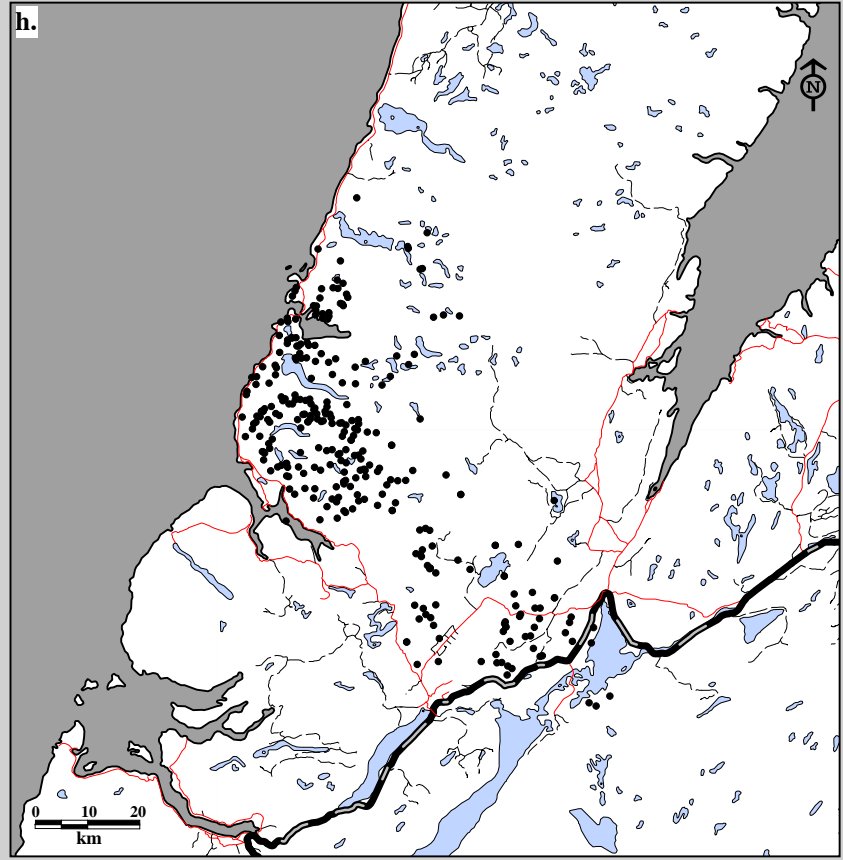
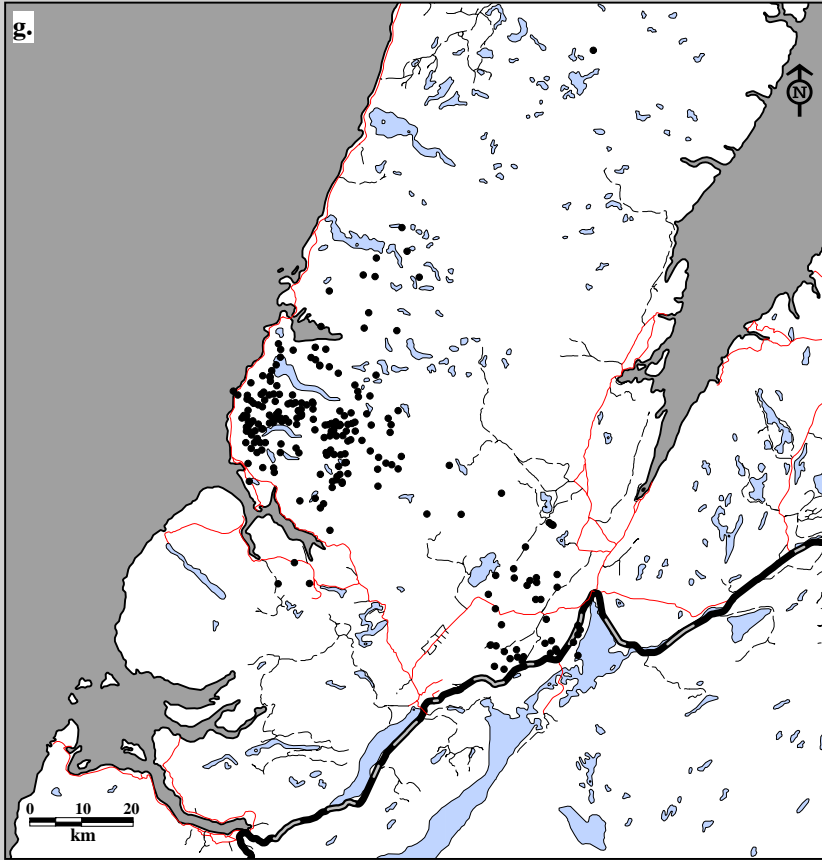


Fig. 8B-8. Gros Morne Caribou Herd radio telemetry locations. Data for g. females (232 locations; 29 caribou; 36 flights) and h. males (300 locations; 31 caribou; 36 flights), 1996-97.

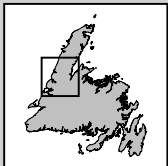
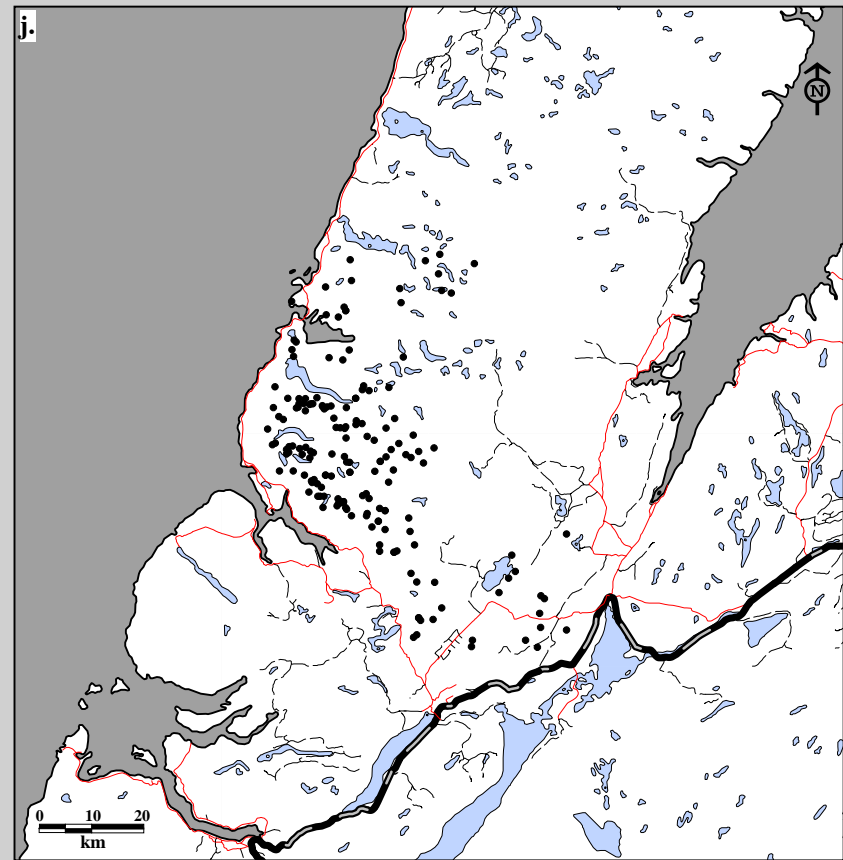
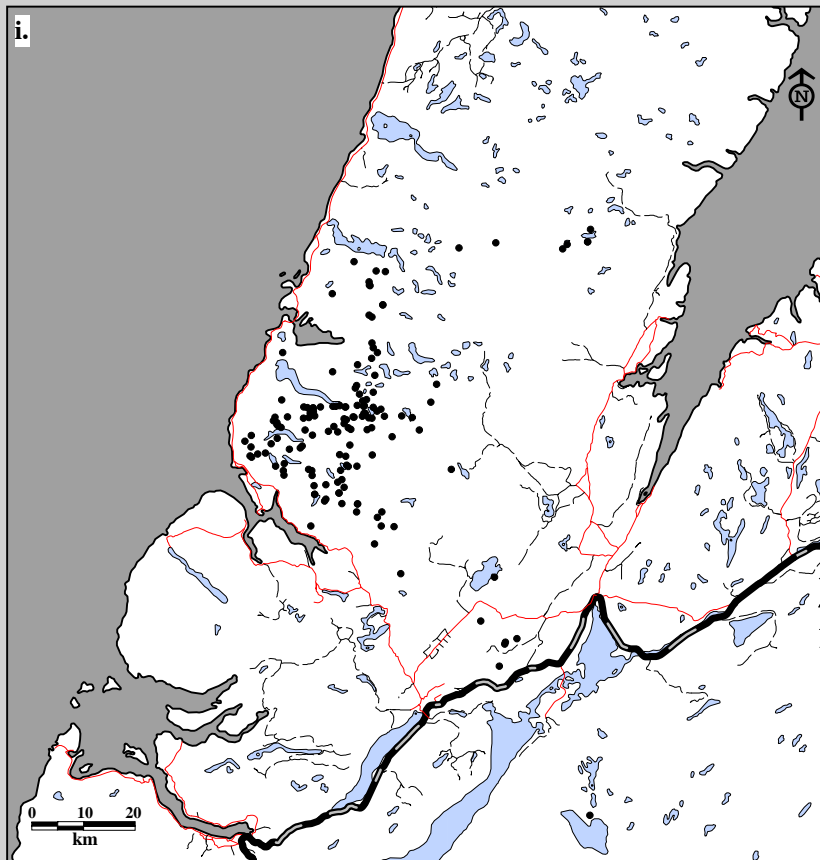


Fig. 8B-8. Gros Morne Caribou Herd radio telemetry locations. Data for i. females (146 locations; 23 caribou; 17 flights) and j. males (173 locations; 26 caribou; 17 flights), 1997-98.



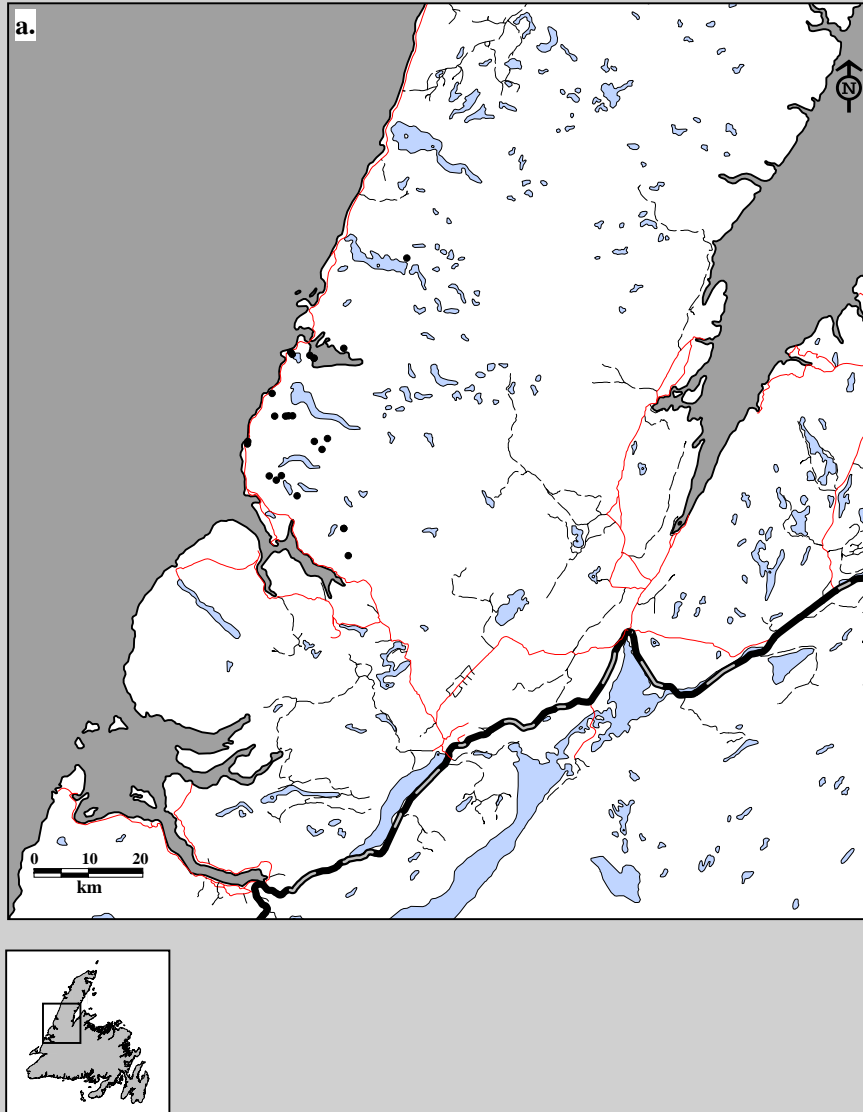


Fig. 8B-9. Gros Morne Caribou Herd radio telemetry locations. Data for a. adults (24 locations; 13 caribou; 5 flights), 1992-93.

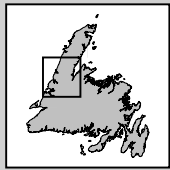
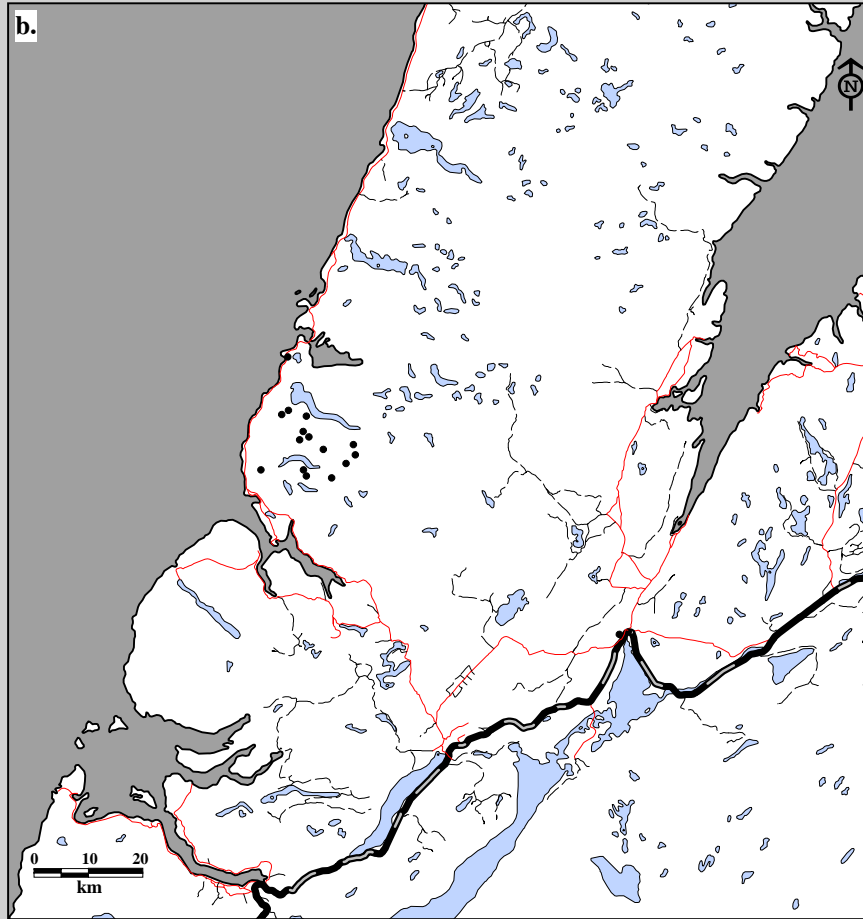


Fig. 8B-9. Gros Morne Caribou Herd radio telemetry locations. Data for b. adults (16 locations; 11 caribou; 8 flights), 1993-94.

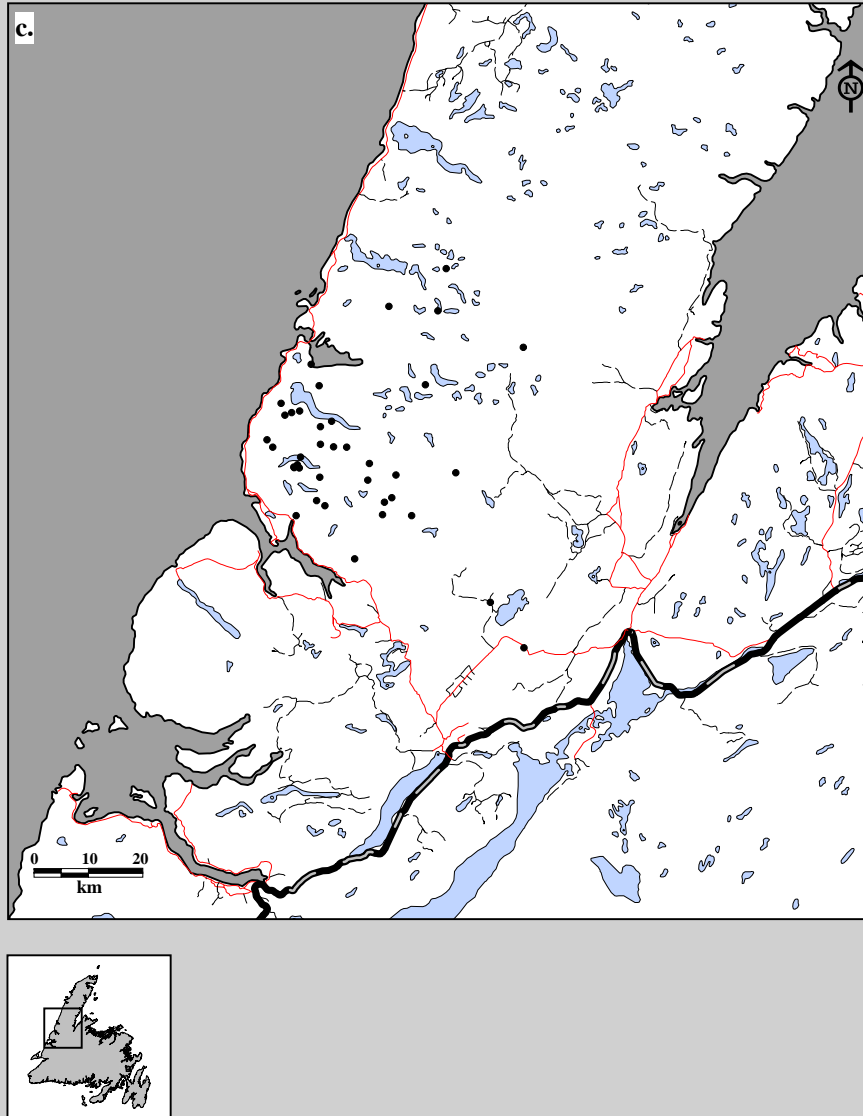


Fig. 8B-9. Gros Morne Caribou Herd radio telemetry locations. Data for c. adults (38 locations; 15 caribou; 21 flights), 1994-95.

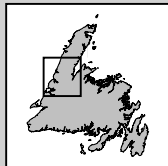
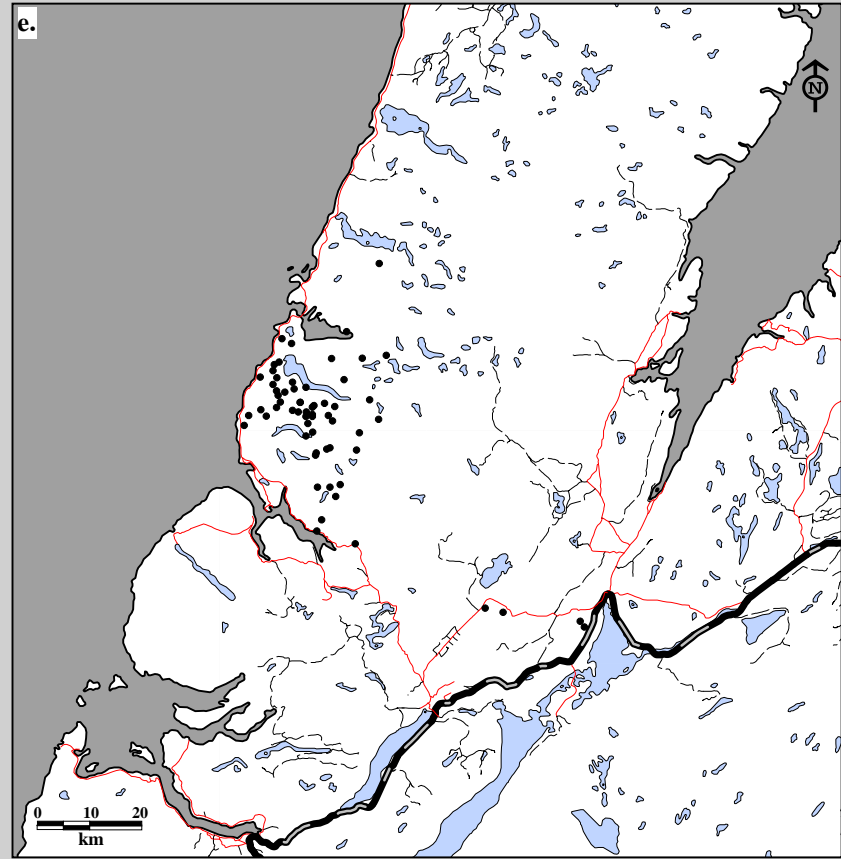
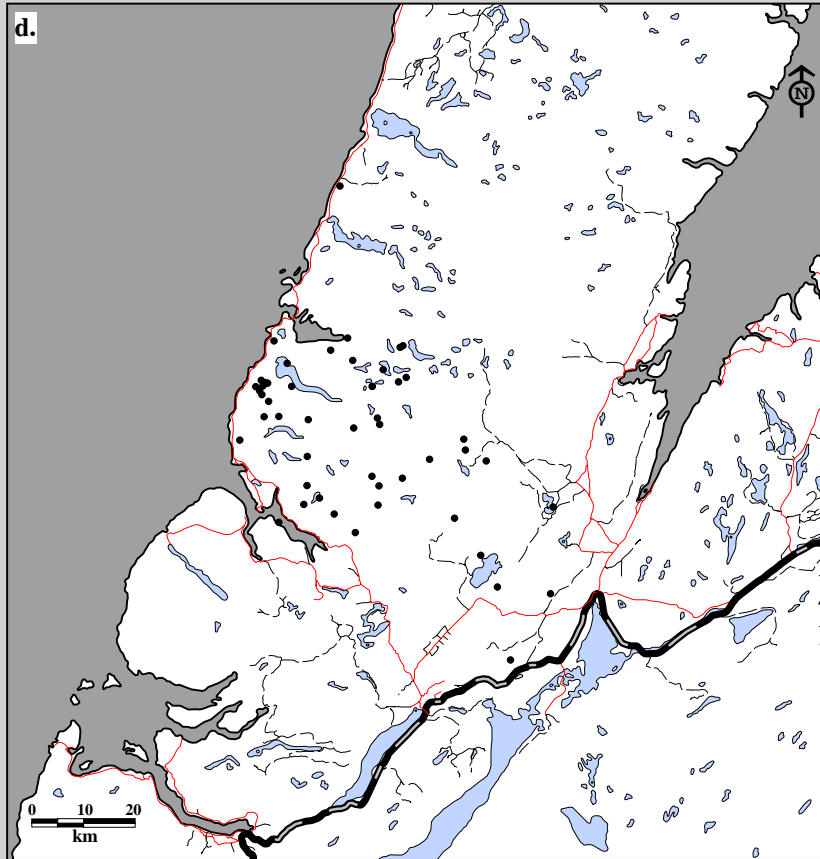


Fig. 8B-9. Gros Morne Caribou Herd radio telemetry locations. Data for d. yearlings (50 locations; 10 caribou; 21 flights) and e. calves (62 locations; 21 caribou; 21 flights), 1994-95.

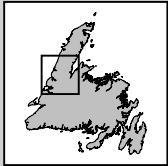
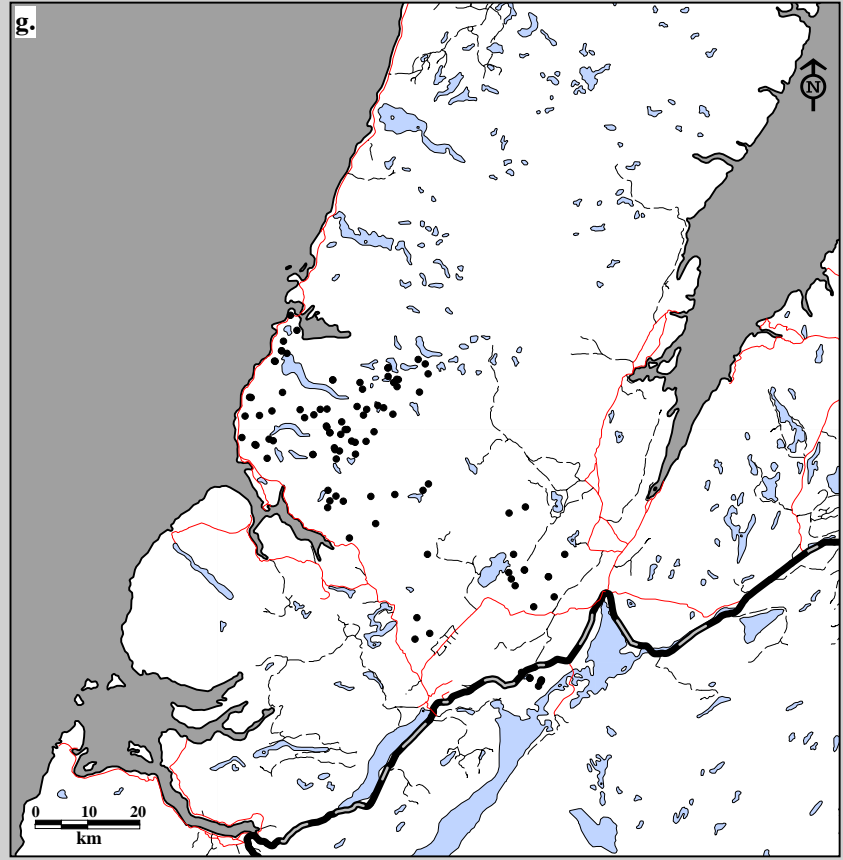
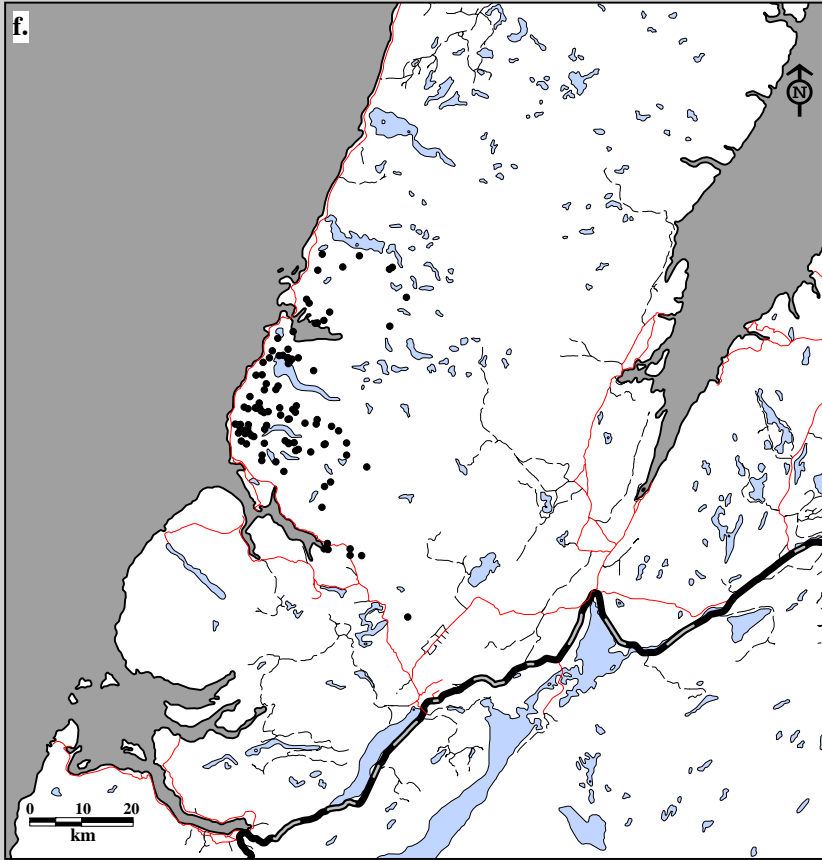


Fig. 8B-9. Gros Morne Caribou Herd radio telemetry locations. Data for f. adults (105 locations; 23 caribou; 39 flights) and g. two-year olds (102 locations; 10 caribou; 39 flights), 1995-96.

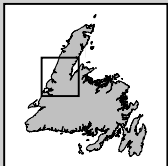
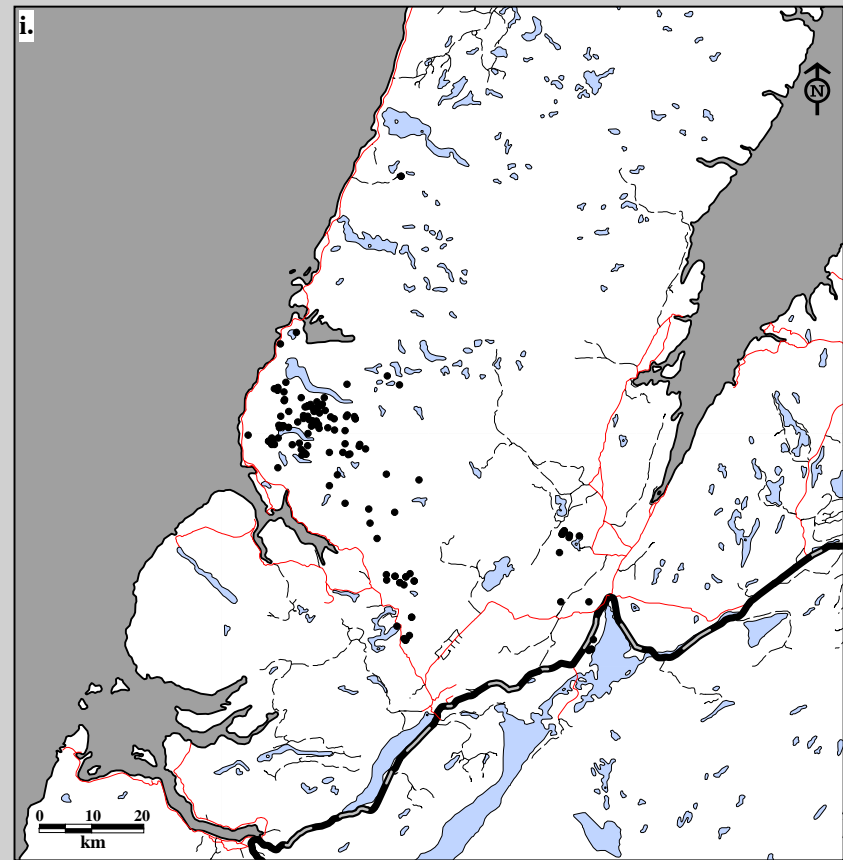
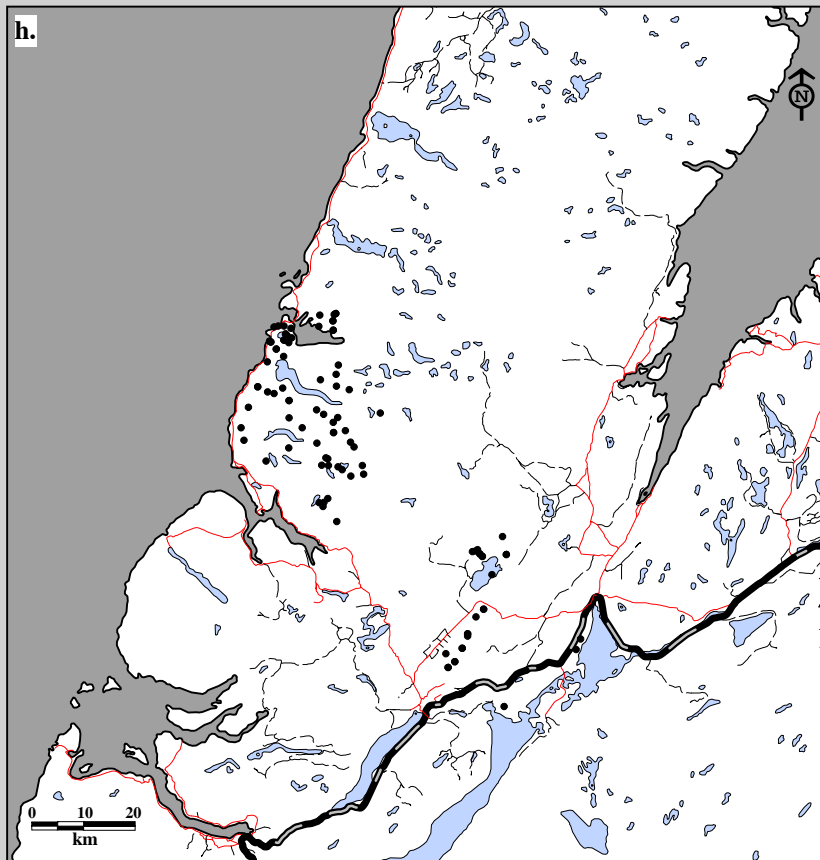


Fig. 8B-9. Gros Morne Caribou Herd radio telemetry locations. Data for h. yearlings (101 locations; 17 caribou; 39 flights) and i. calves (143 locations; 27 caribou; 39 flights), 1995-96.

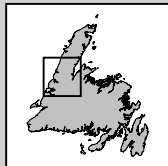
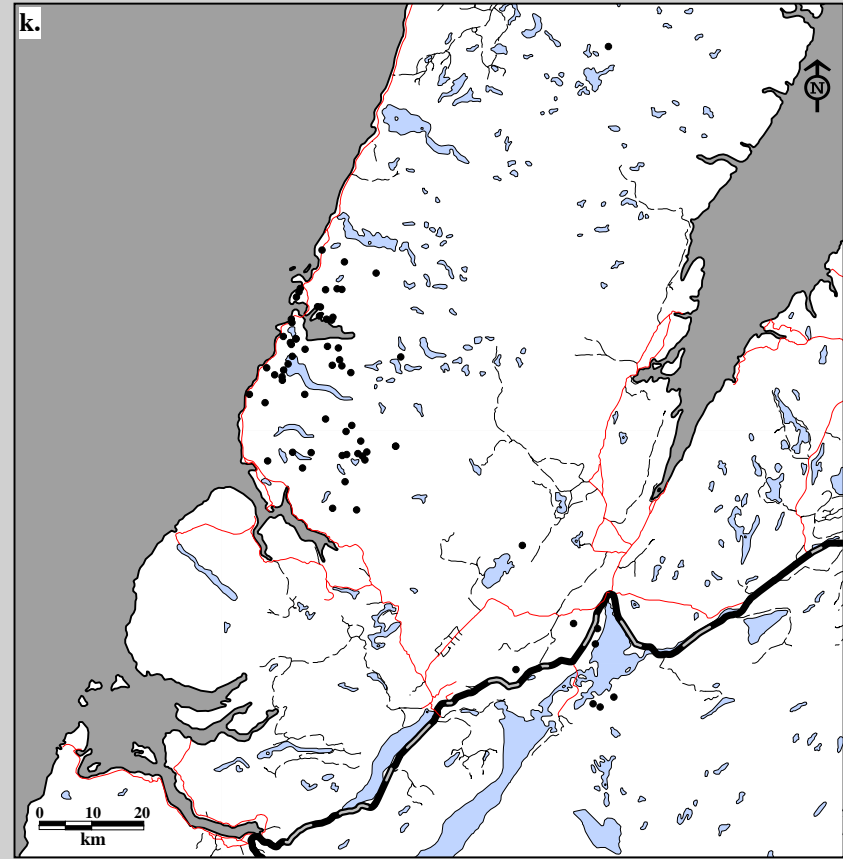
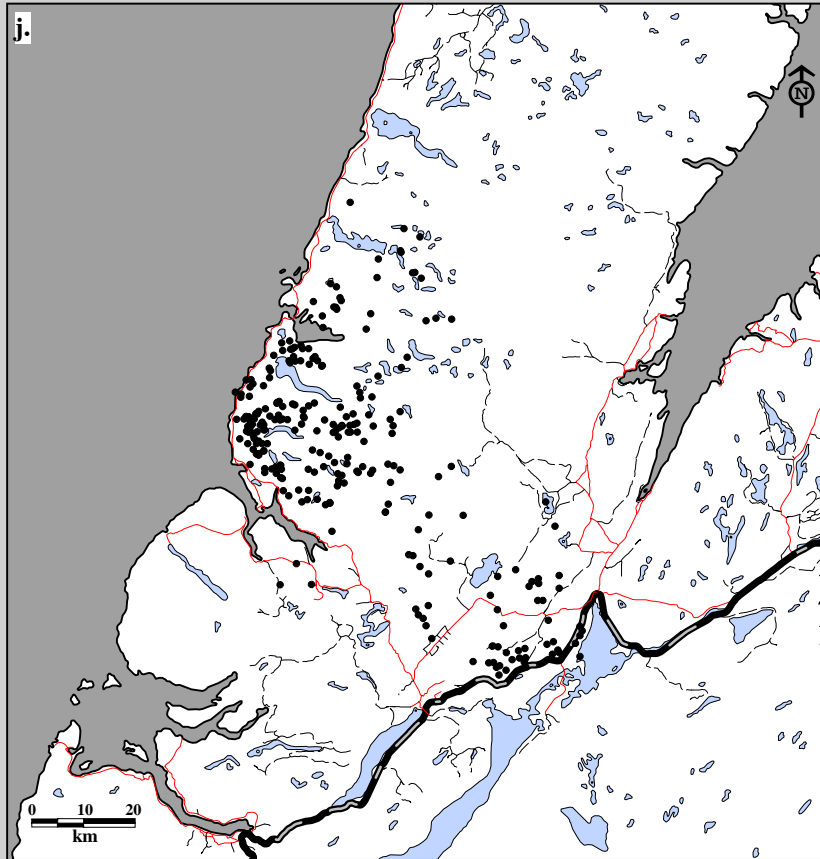


Fig. 8B-9. Gros Morne Caribou Herd radio telemetry locations. Data for j. adults (263 locations; 30 caribou; 36 flights) and k. two-year olds (68 locations; 13 caribou; 36 flights), 1996-97.

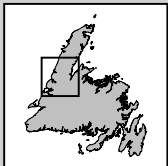
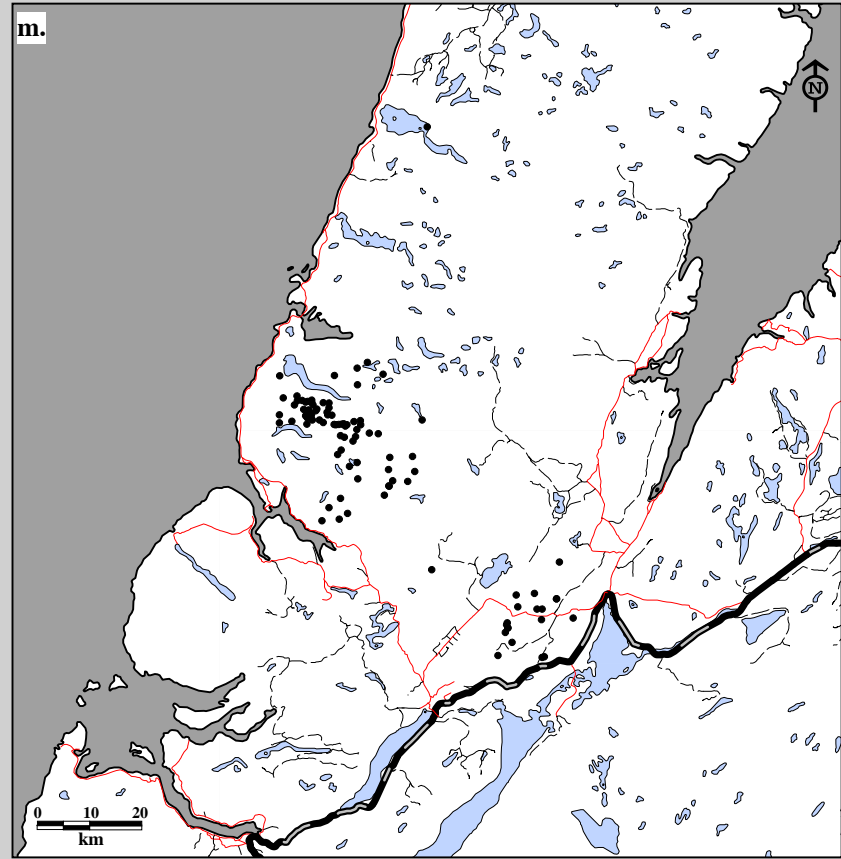
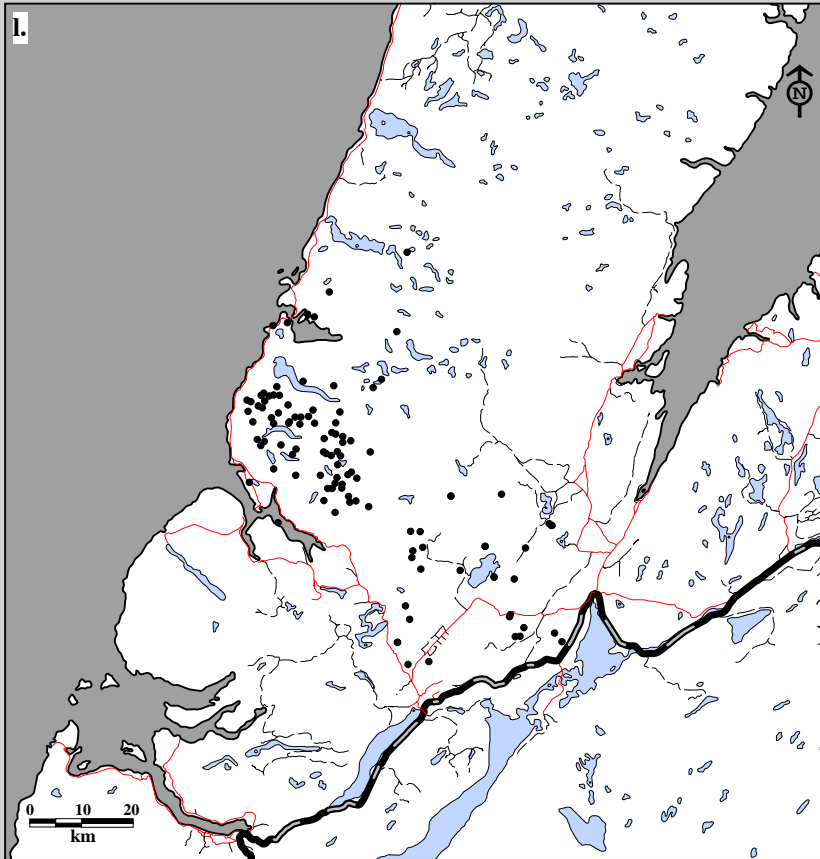


Fig. 8B-9. Gros Morne Caribou Herd radio telemetry locations. Data for l. yearlings (109 locations; 13 caribou; 36 flights) and m. calves (97 locations; 18 caribou; 36 flights), 1996-97.



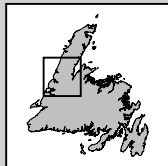
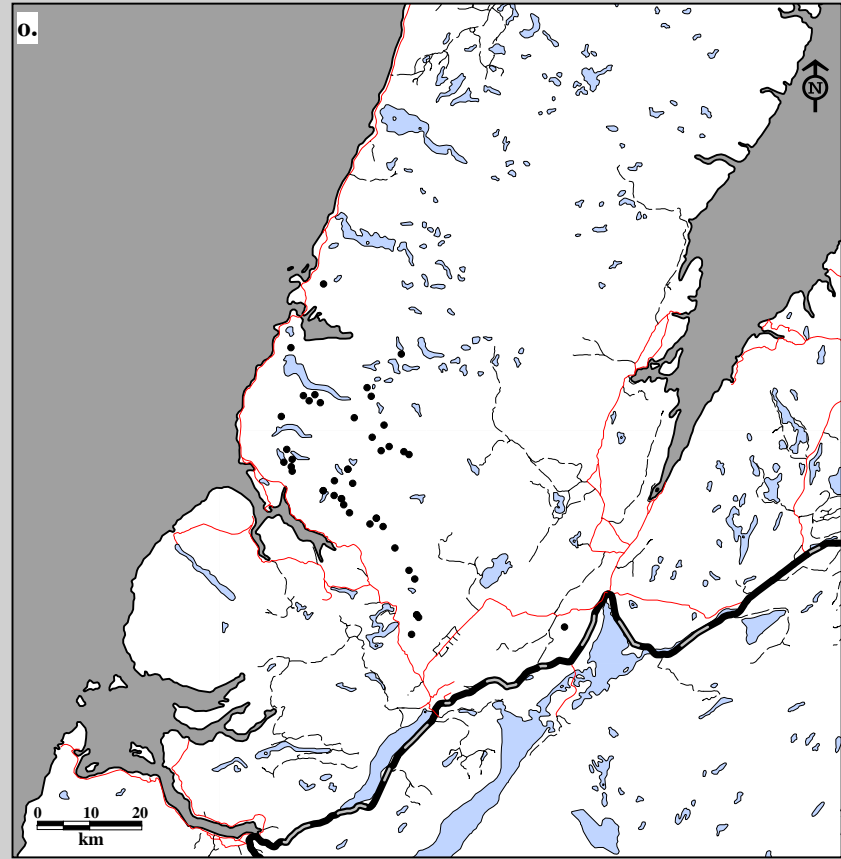
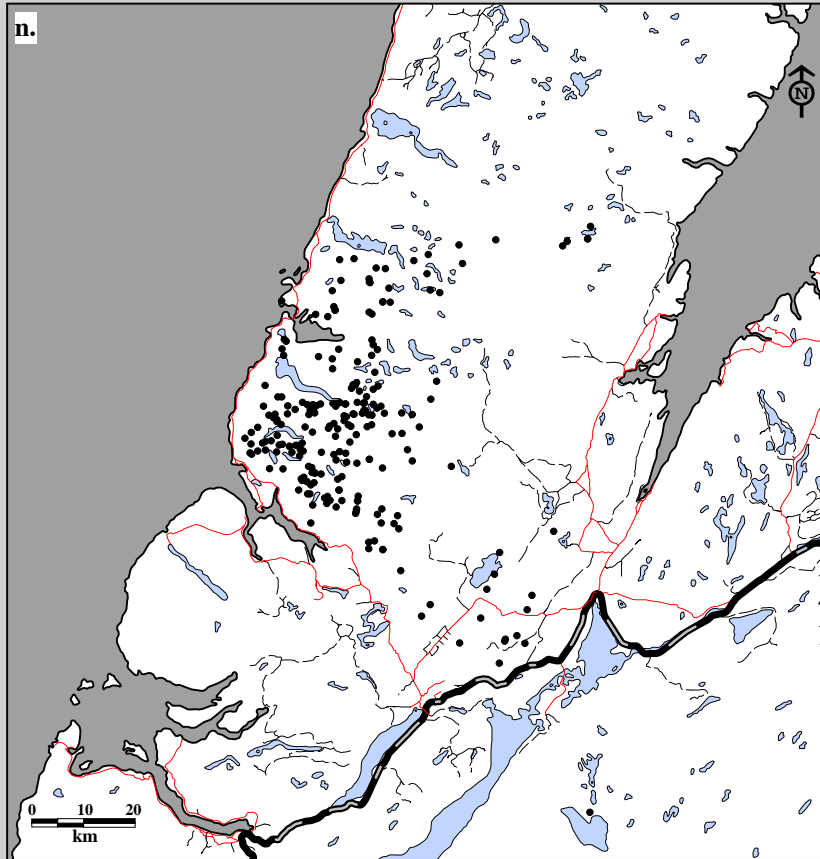


Fig. 8B-9. Gros Morne Caribou Herd radio telemetry locations. Data for n. adults (228 locations; 29 caribou; 17 flights) and o. two-year olds (45 locations; 11 caribou; 17 flights), 1997-98.

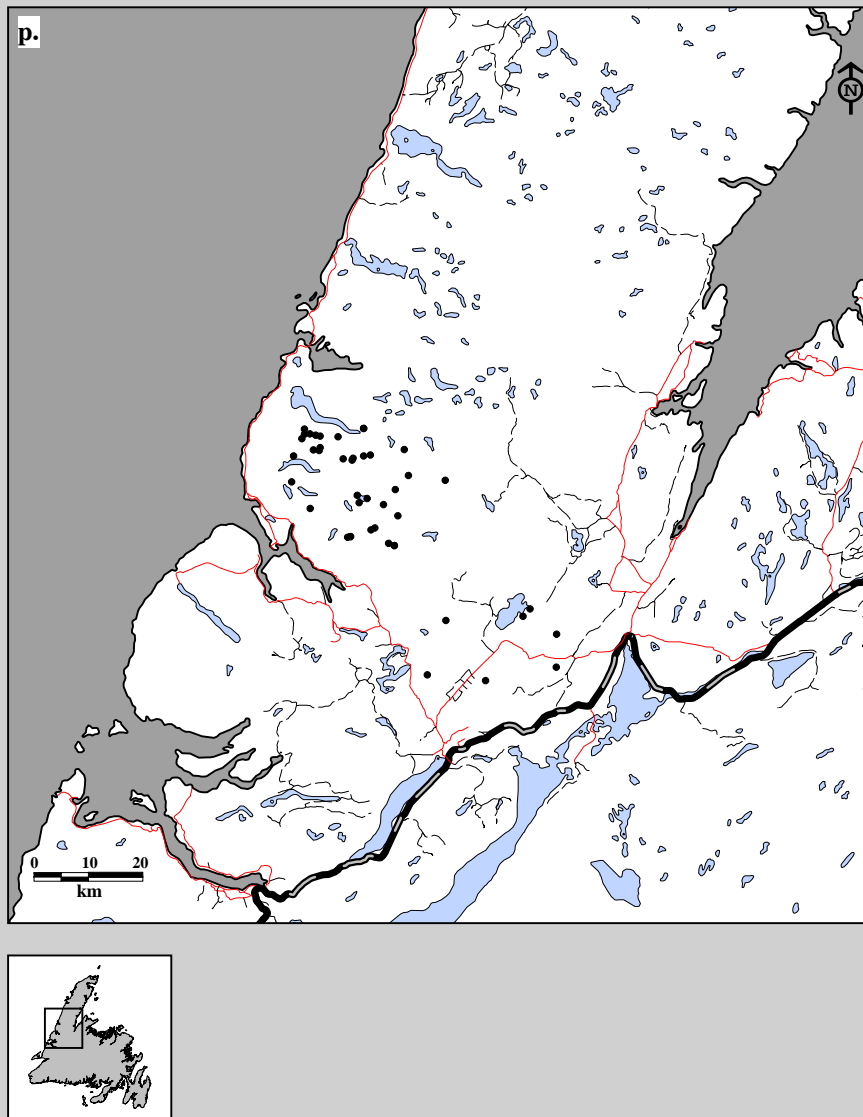


Fig. 8B-9. Gros Morne Caribou Herd radio telemetry locations. Data for p. yearlings (44 locations; 18 caribou; 17 flights), 1997-98.

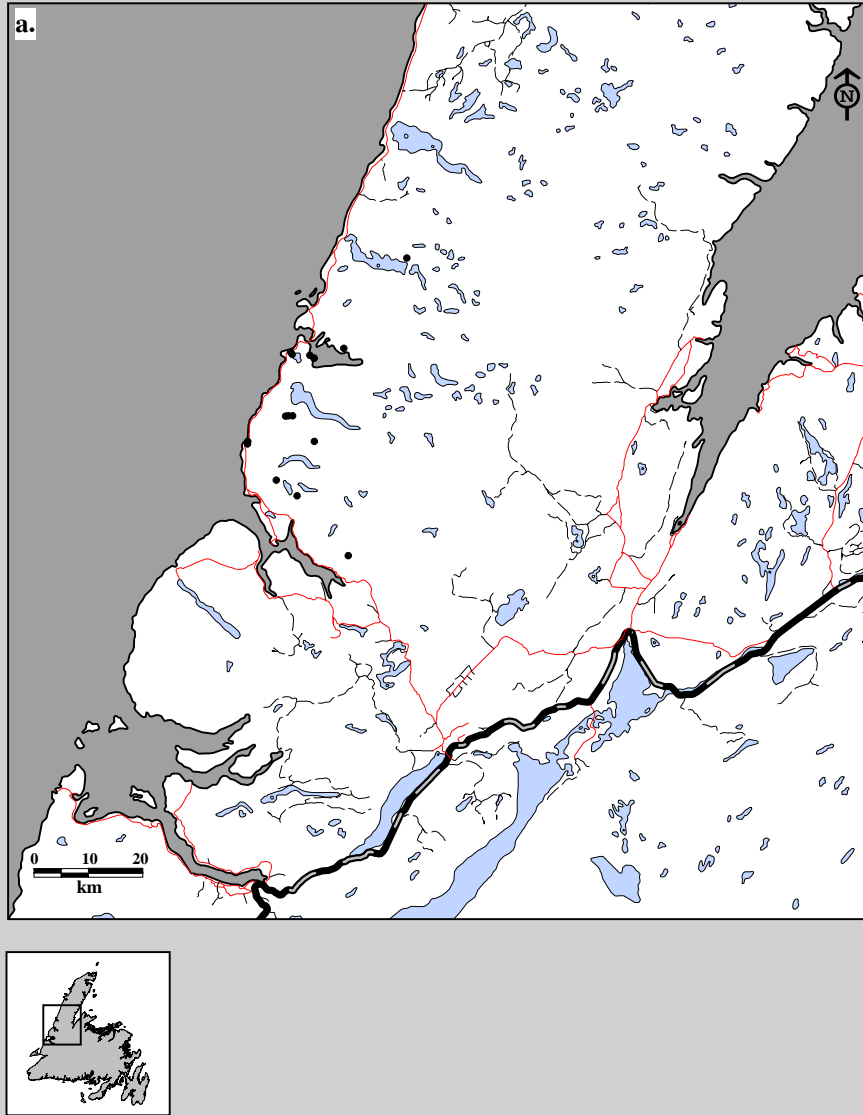


Fig. 8B-10. Gros Morne Caribou Herd radio telemetry locations. Data for a. winter (16 locations; 12 caribou; 3 flights), 1992-93.

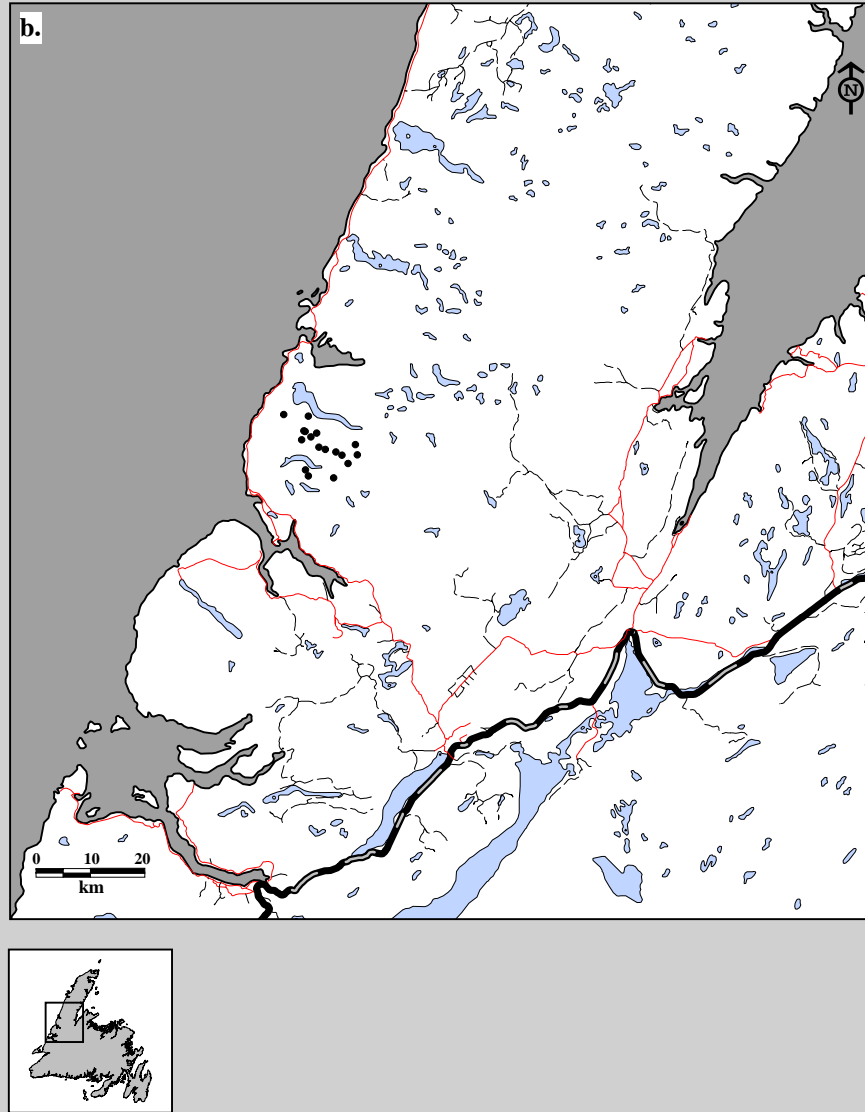


Fig. 8B-10. Gros Morne Caribou Herd radio telemetry locations. Data for b. spring (17 locations; 16 caribou; 4 flights), 1993-94.

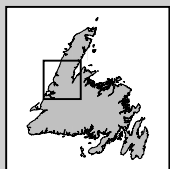
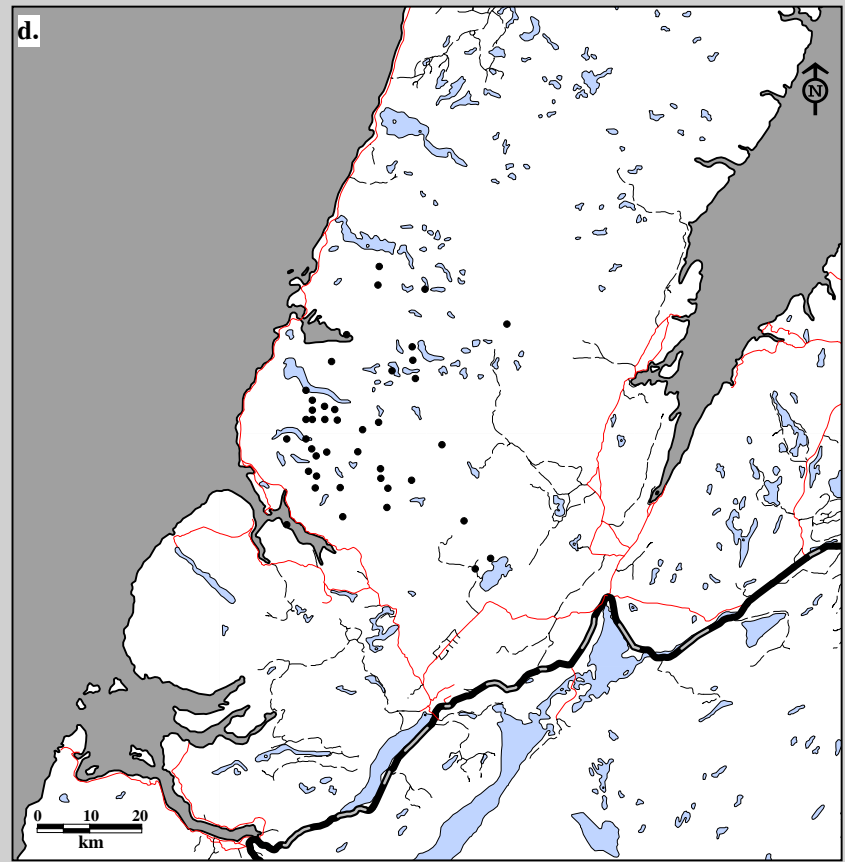
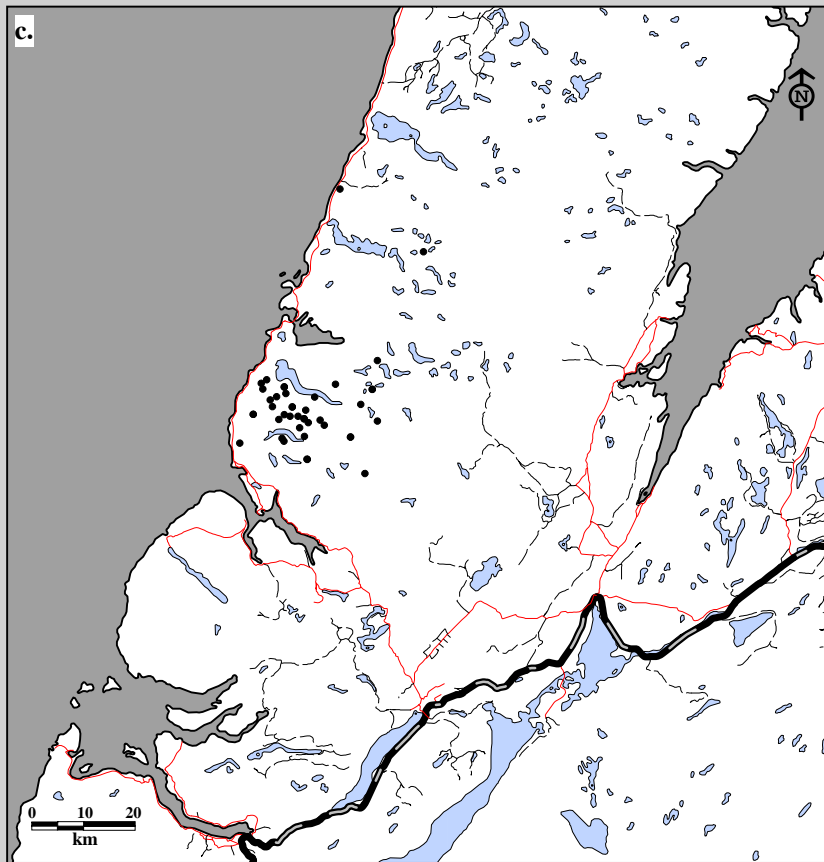


Fig. 8B-10. Gros Morne Caribou Herd radio telemetry locations. Data for c. spring (42 locations; 39 caribou; 7 flights) and d. summer (42 locations; 38 caribou; 5 flights), 1994-95.

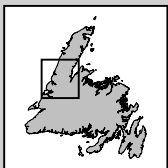
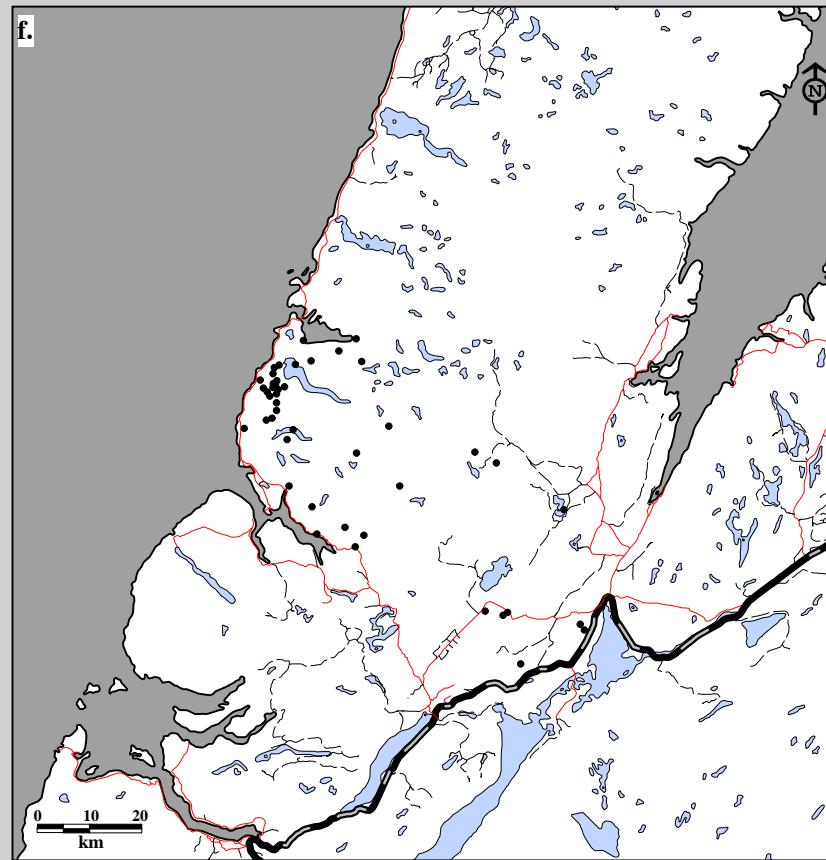
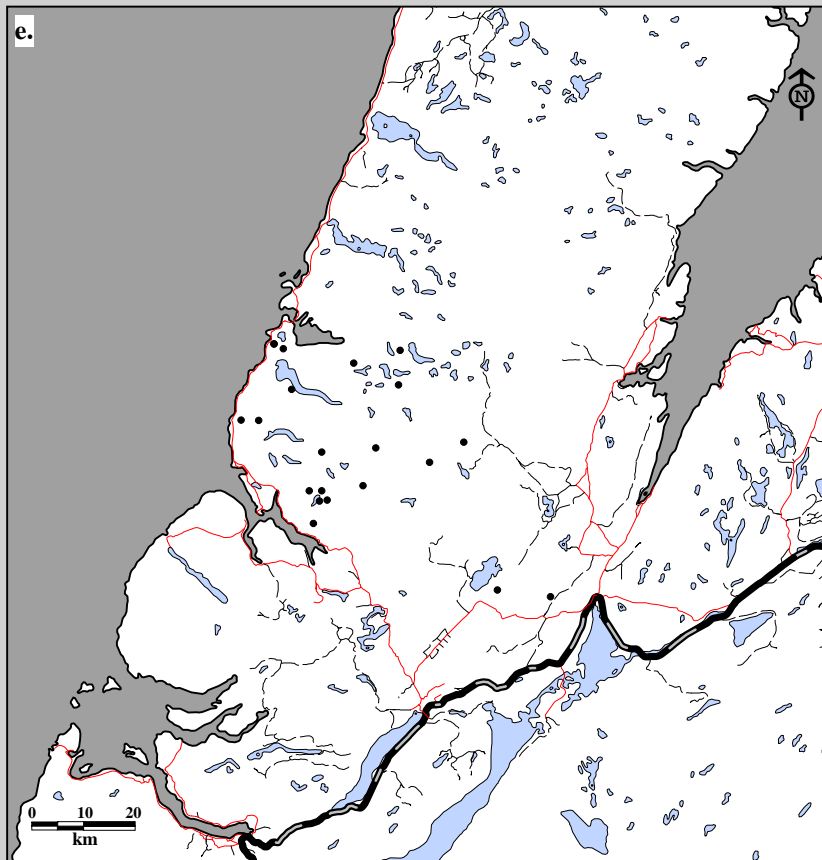
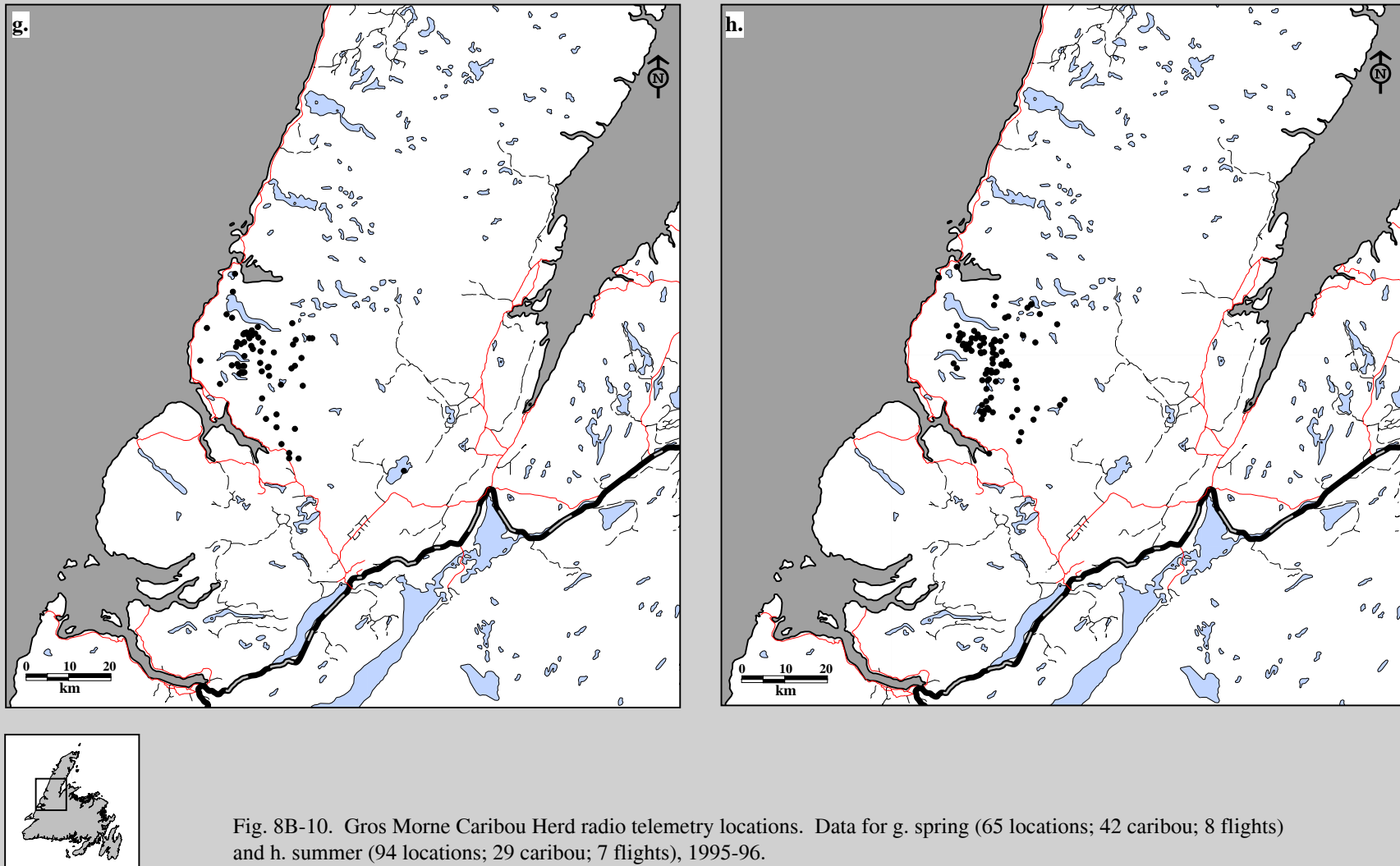


Fig. 8B-10. Gros Morne Caribou Herd radio telemetry locations. Data for e. fall (21 locations; 21 caribou; 2 flights) and f. winter (45 locations; 28 caribou; 7 flights), 1994-95.



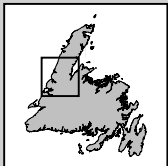
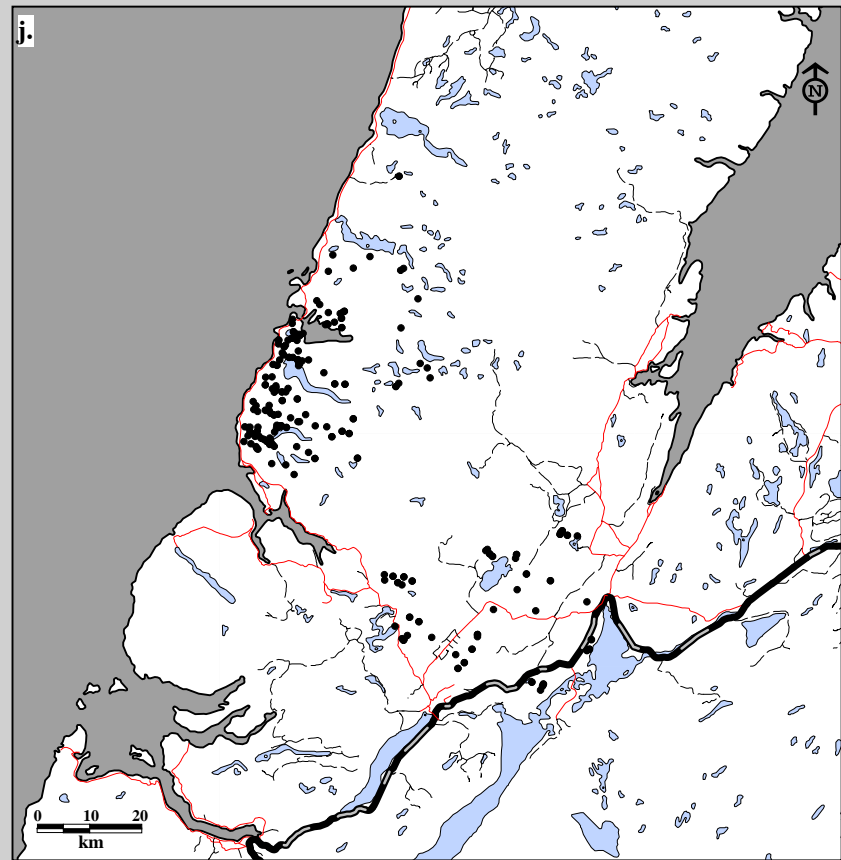
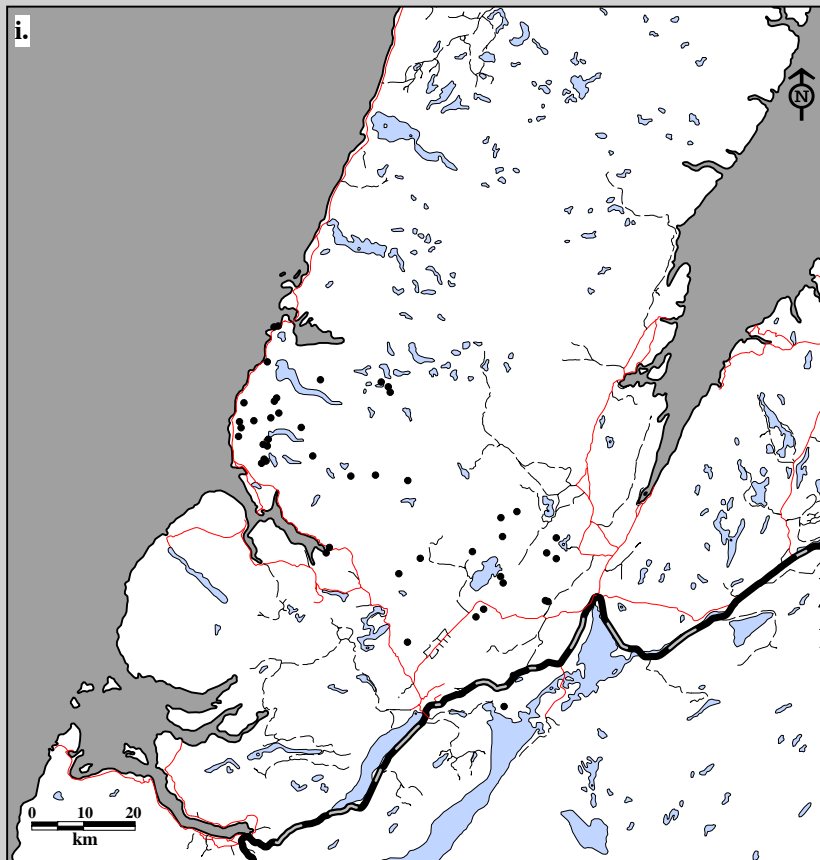


Fig. 8B-10. Gros Morne Caribou Herd radio telemetry locations. Data for i. fall (47 locations; 25 caribou; 5 flights) and j. winter (245 locations; 45 caribou; 19 flights), 1995-96.



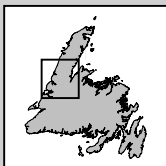
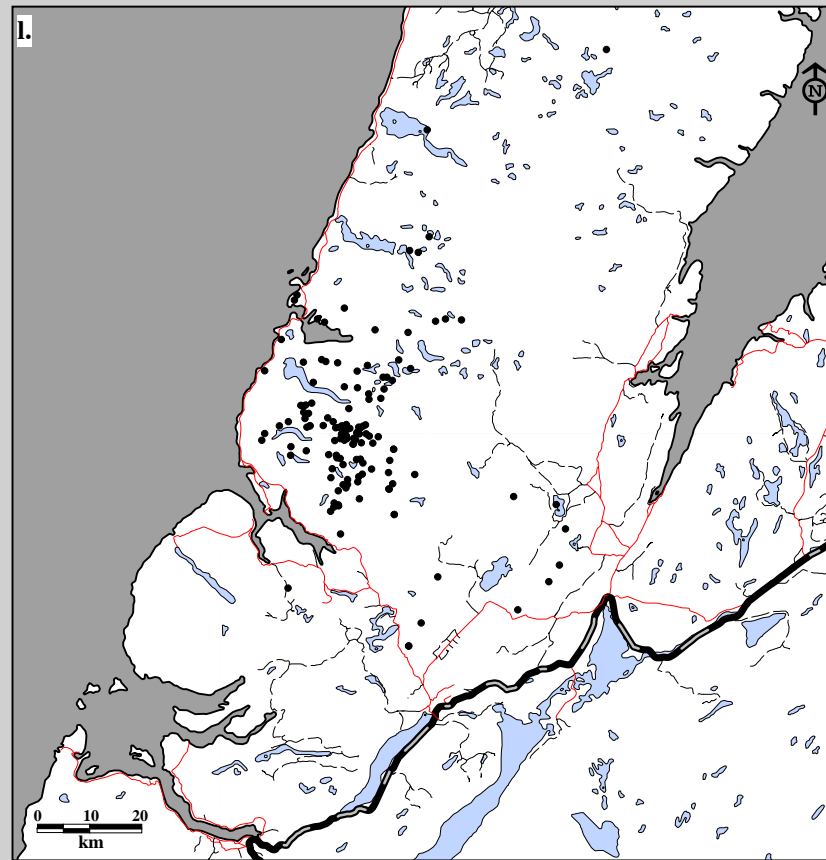
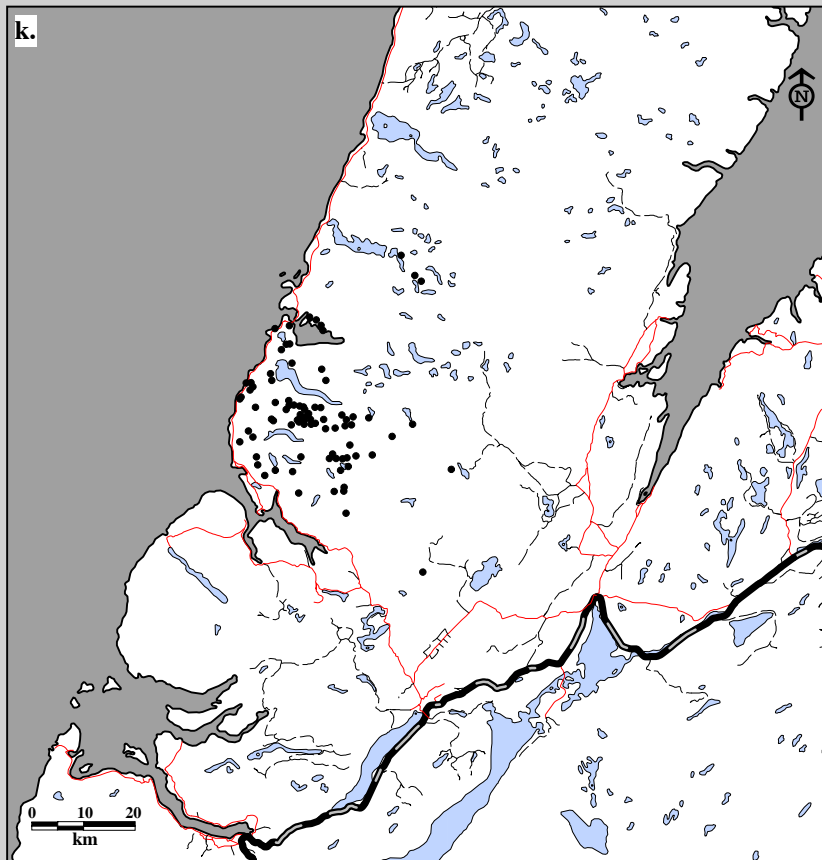


Fig. 8B-10. Gros Morne Caribou Herd radio telemetry locations. Data for k. spring (89 locations; 46 caribou; 9 flights) and l. summer (138 locations; 43 caribou; 12 flights), 1996-97.

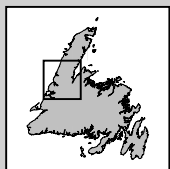
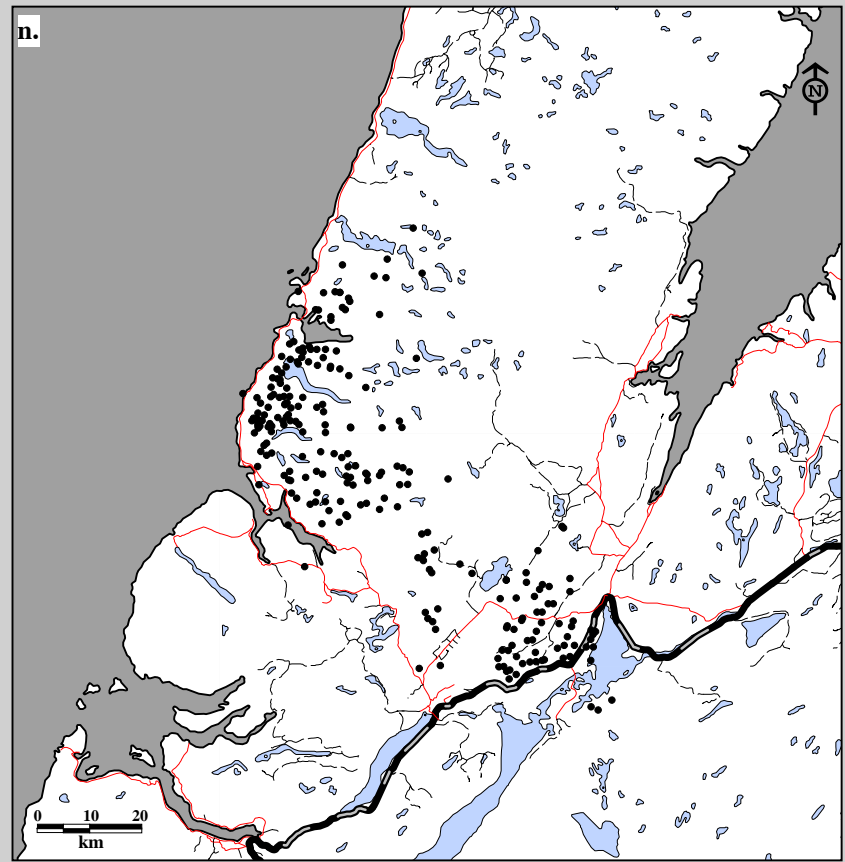
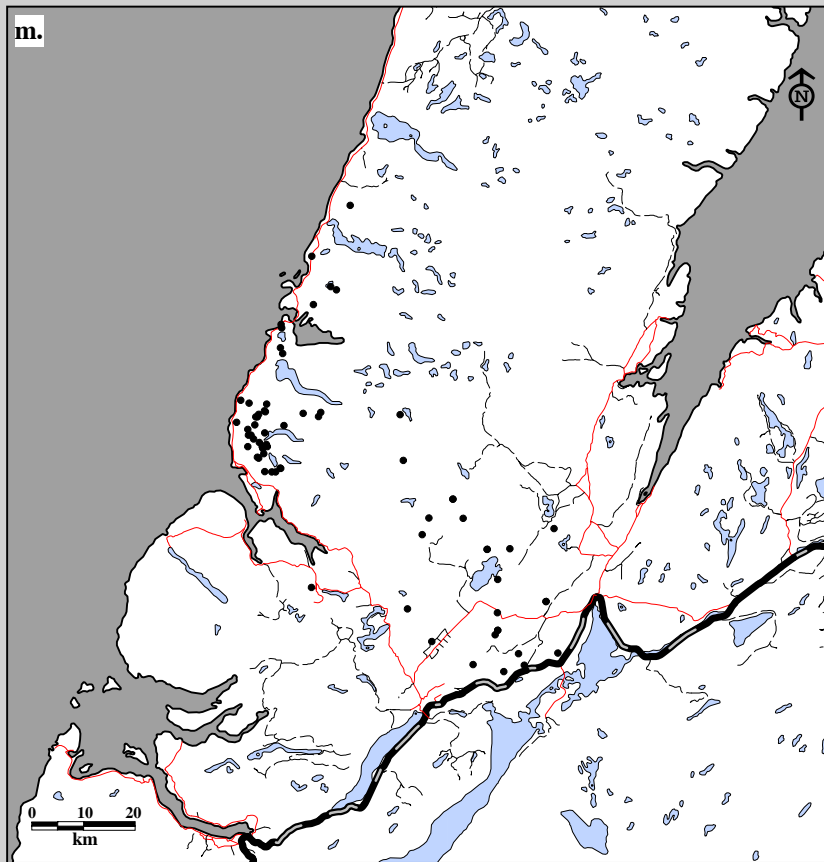


Fig. 8B-10. Gros Morne Caribou Herd radio telemetry locations. Data for m. fall (68 locations; 39 caribou; 7 flights) and n. winter (242 locations; 47 caribou; 8 flights), 1996-97.

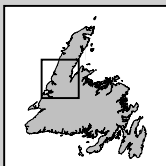
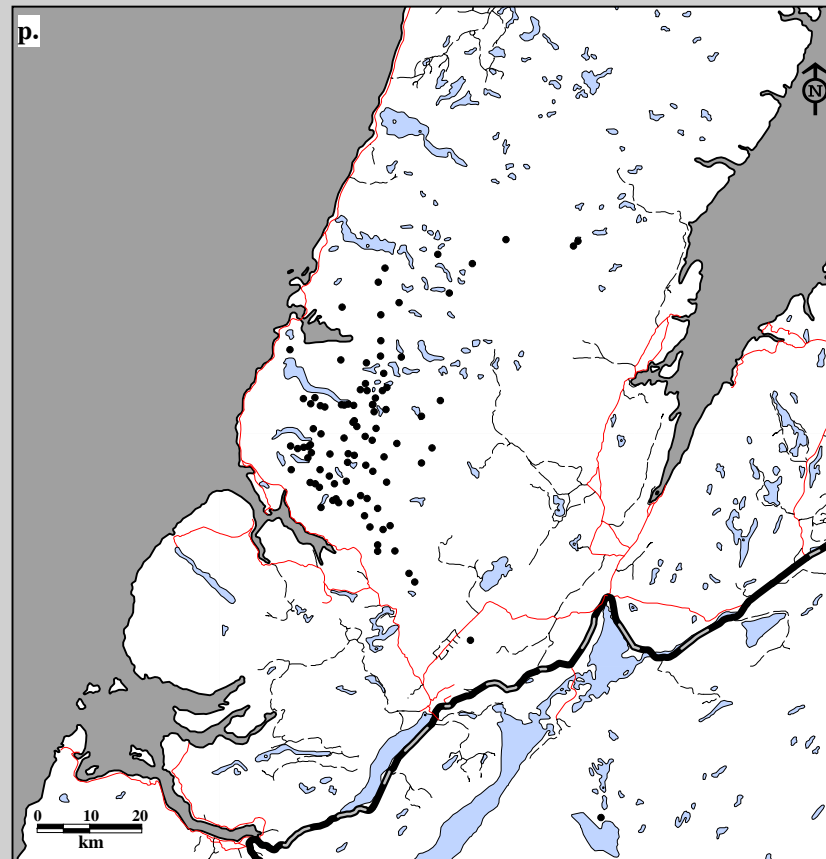
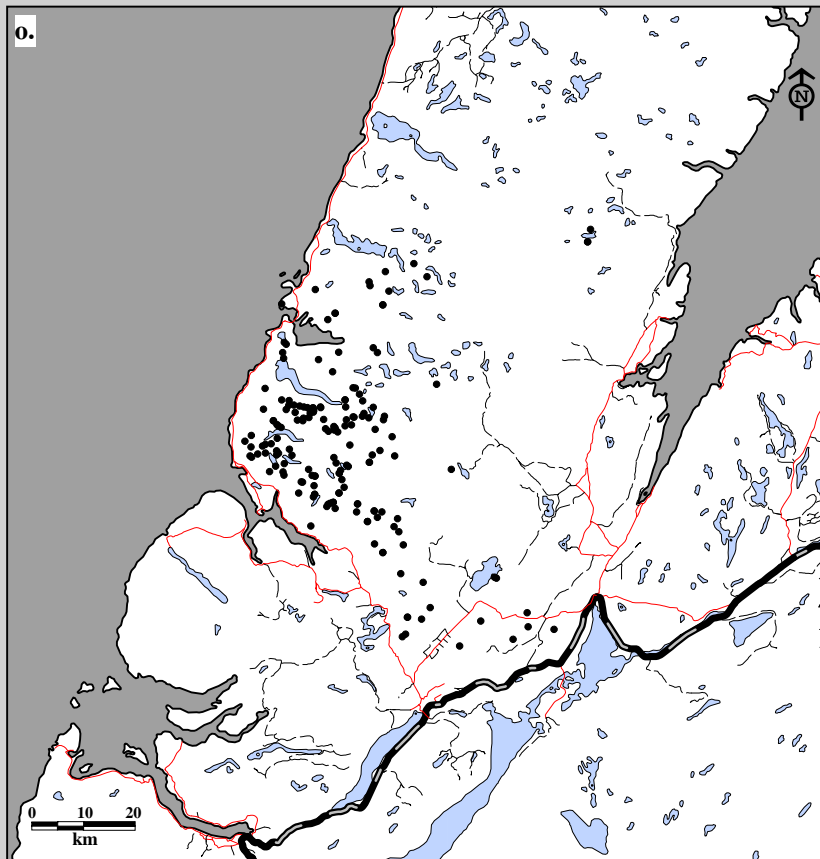


Fig. 8B-10. Gros Morne Caribou Herd radio telemetry locations. Data for o. spring (174 locations; 50 caribou; 11 flights) and p. summer (93 locations; 34 caribou; 3 flights), 1997-98.

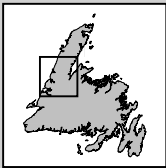
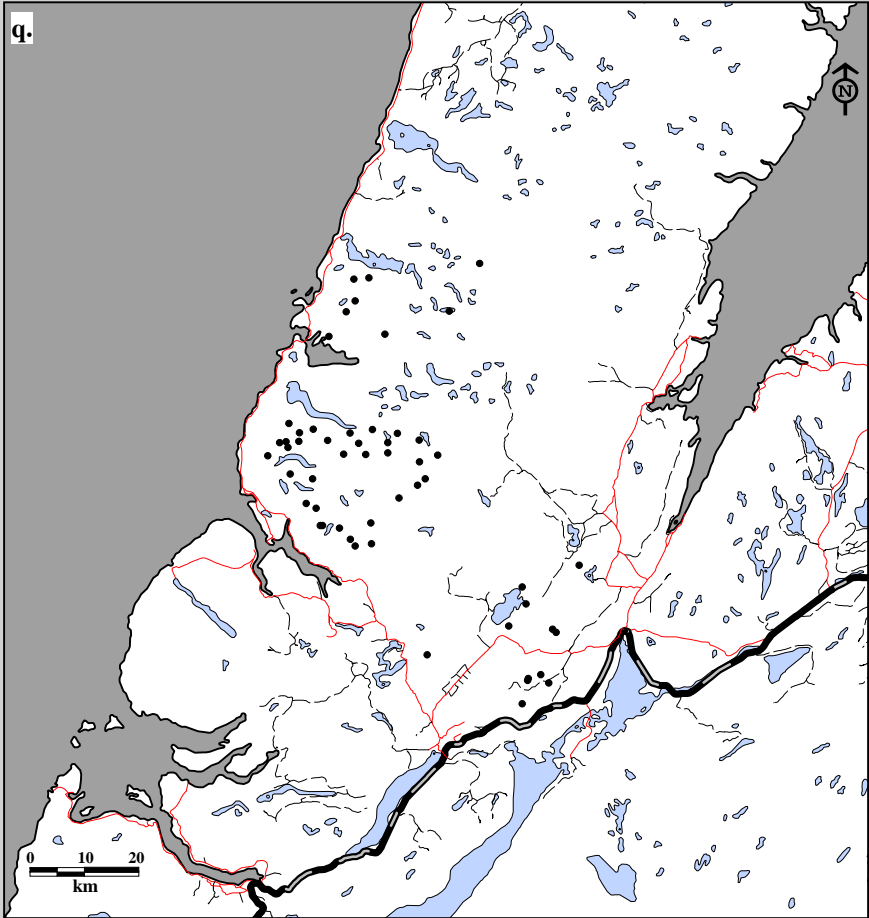


Fig. 8B-10. Gros Morne Caribou Herd radio telemetry locations. Data for q. fall (54 locations; 32 caribou; 3 flights), 1997-98.

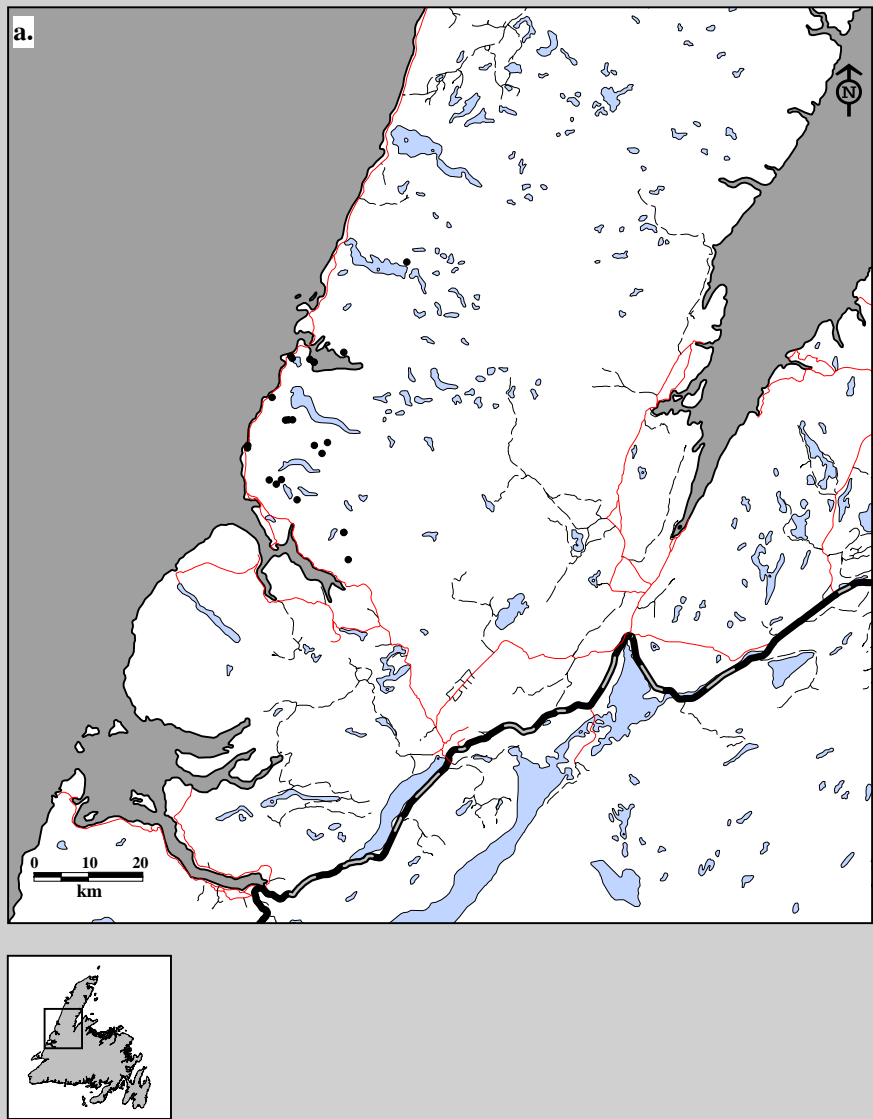


Fig. 8B-11. Gros Morne Caribou Herd radio telemetry locations. Data for female a. adults (23 locations; 12 caribou; 5 flights), 1992-93.

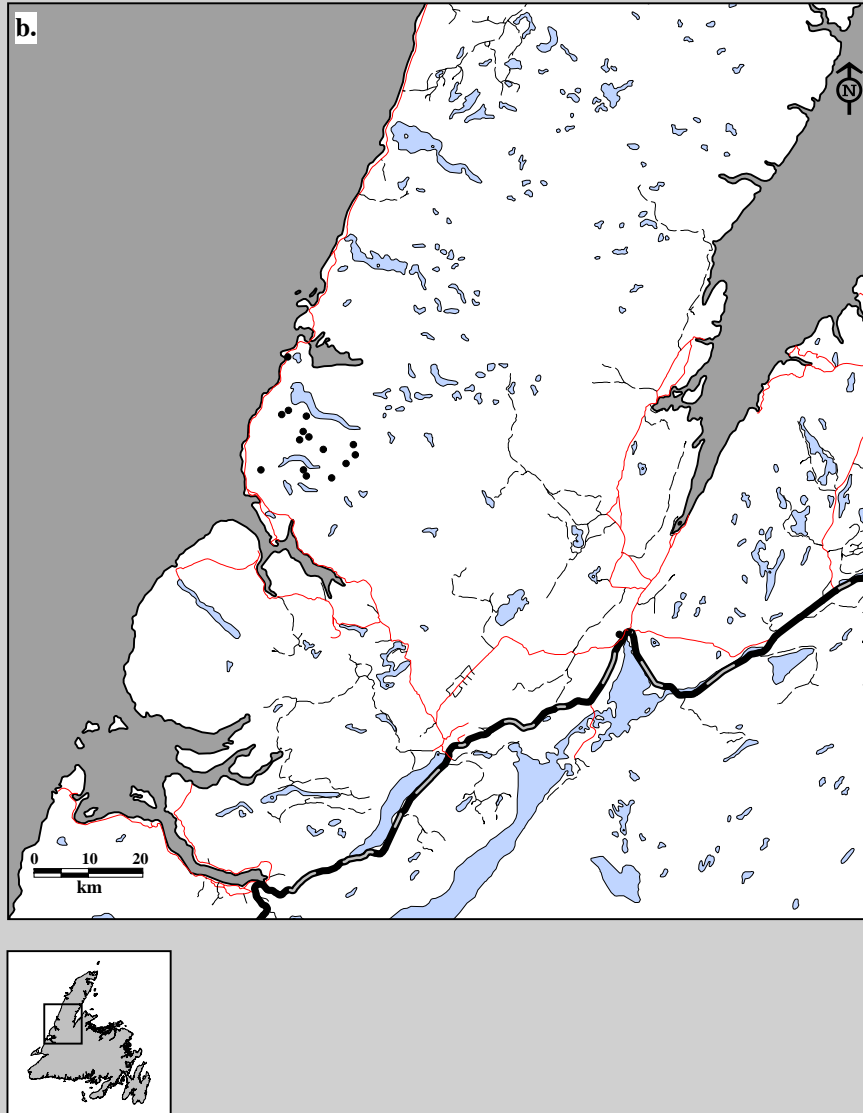


Fig. 8B-11. Gros Morne Caribou Herd radio telemetry locations. Data for female b. adults (16 locations; 11 caribou; 8 flights), 1993-94.

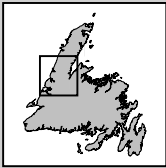
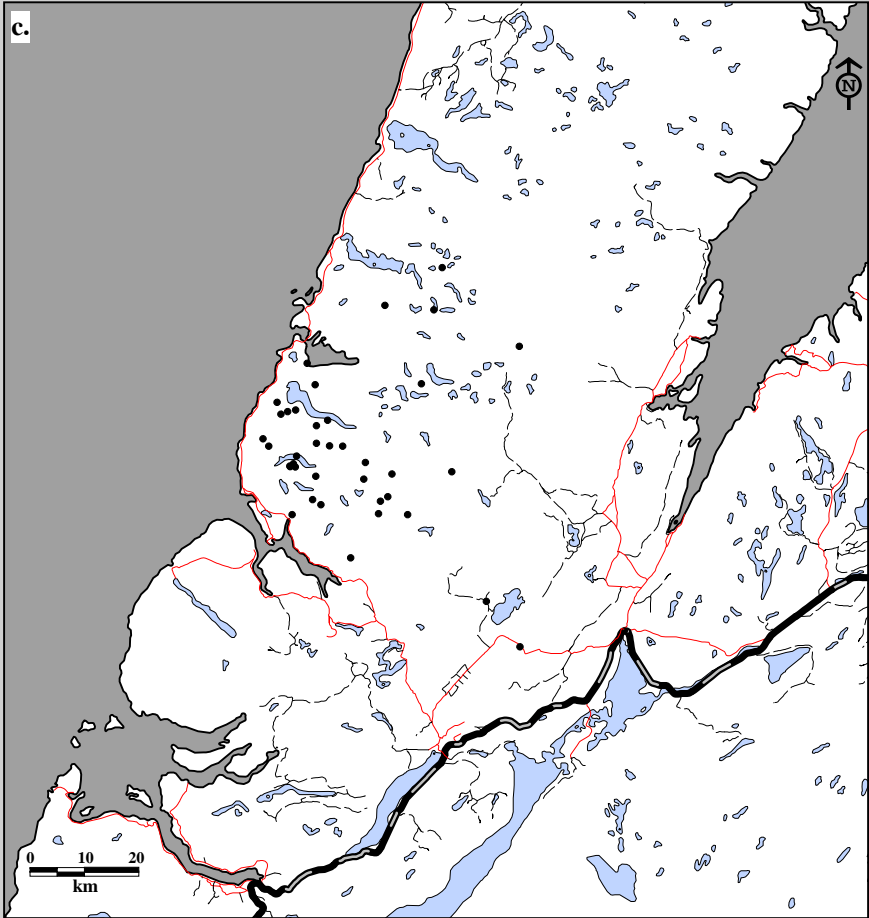


Fig. 8B-11. Gros Morne Caribou Herd radio telemetry locations. Data for female c. adults (38 locations; 15 caribou; 21 flights), 1994-95.

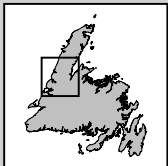
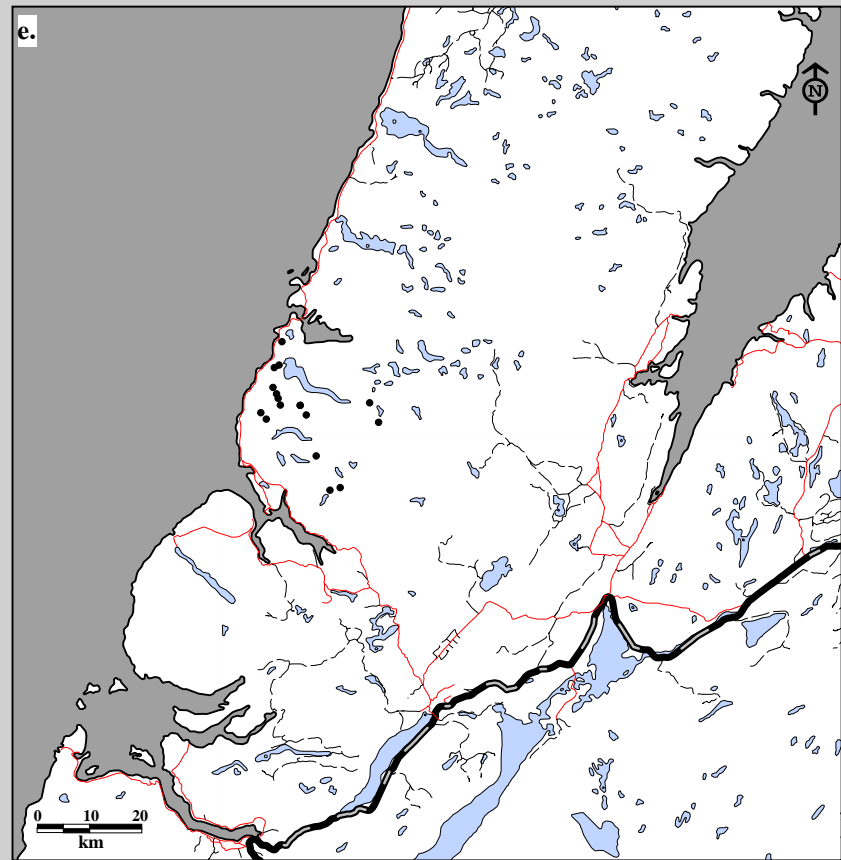
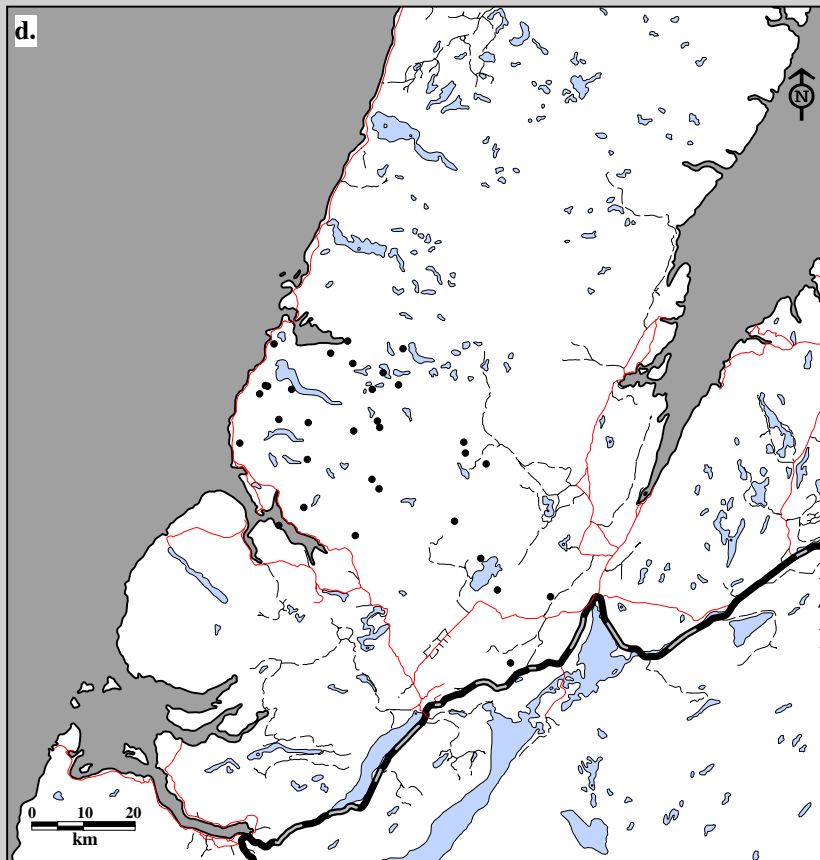


Fig. 8B-11. Gros Morne Caribou Herd radio telemetry locations. Data for female d. yearlings (32 locations; 6 caribou; 21 flights) and e. calves (17 locations; 6 caribou; 21 flights), 1994-95.



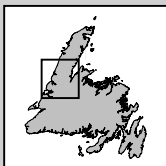
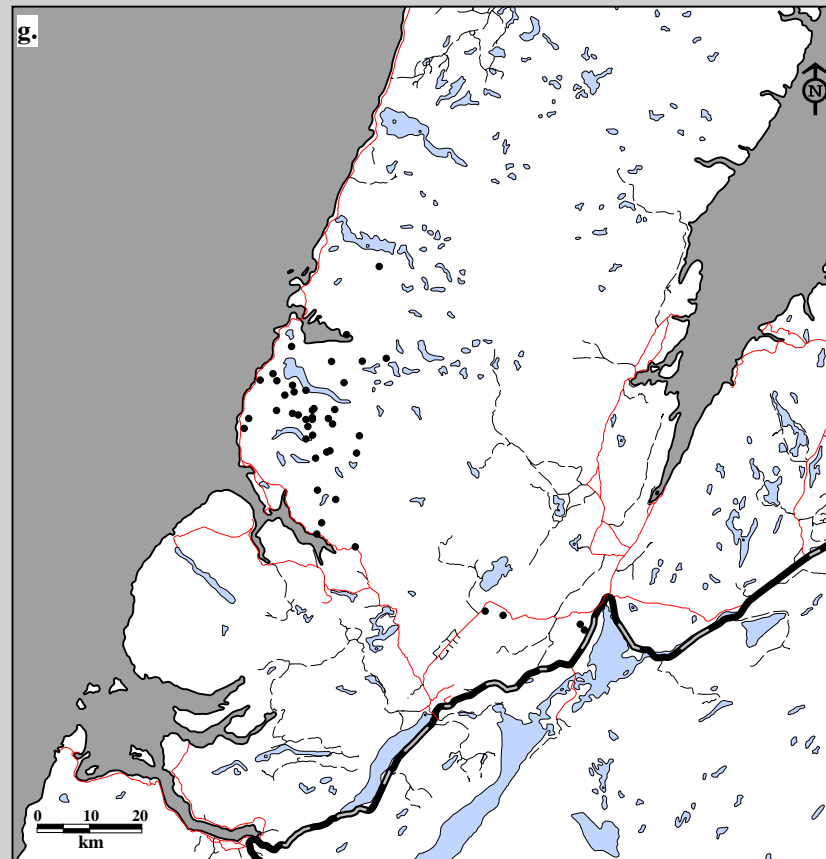
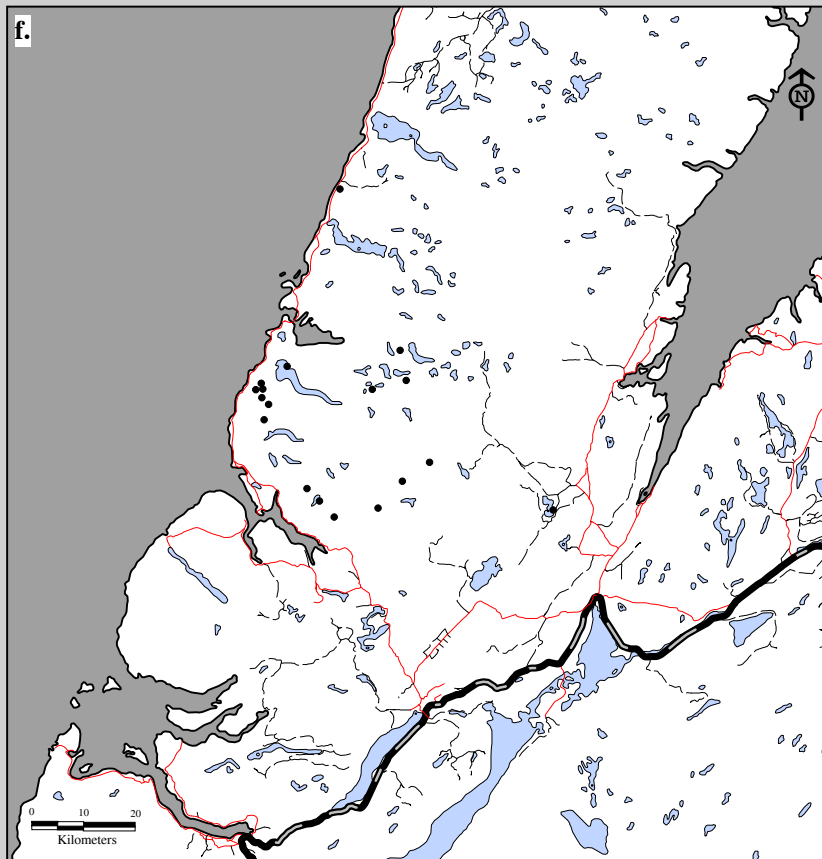


Fig. 8B-11. Gros Morne Caribou Herd radio telemetry locations. Data for male f. yearlings (18 locations; 4 caribou; 21 flights) and g. calves (44 locations; 14 caribou; 21 flights), 1994-95.

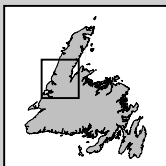
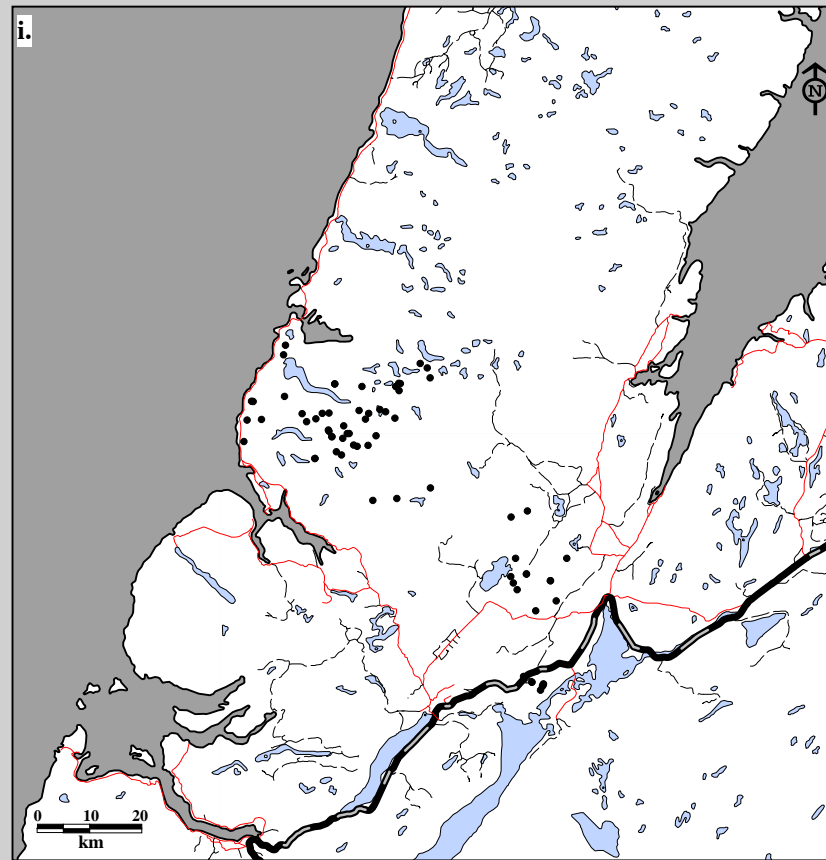
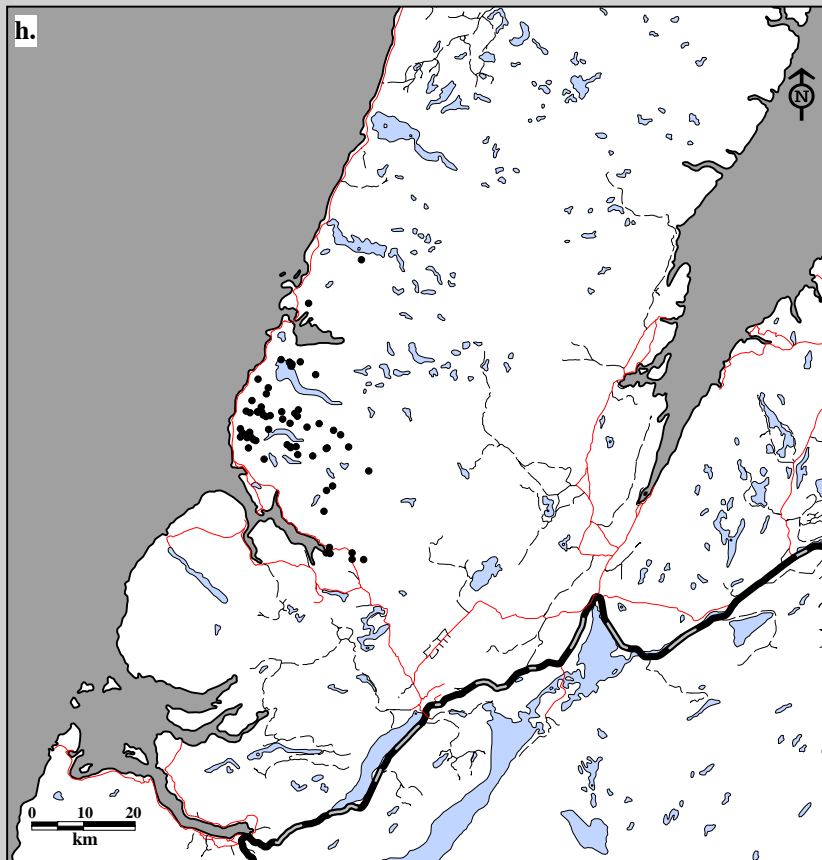


Fig. 8B-11. Gros Morne Caribou Herd radio telemetry locations. Data for female h. adults (64 locations; 13 caribou; 39 flights) and i. two-year olds (70 locations; 6 caribou; 39 flights), 1995-96.

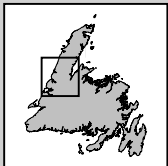
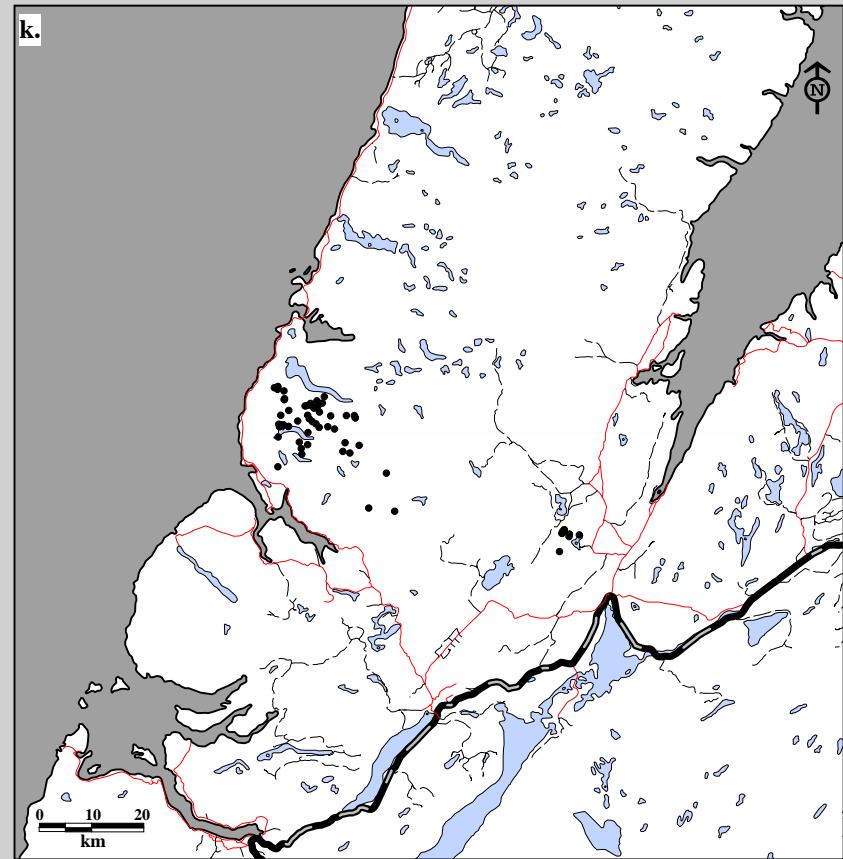
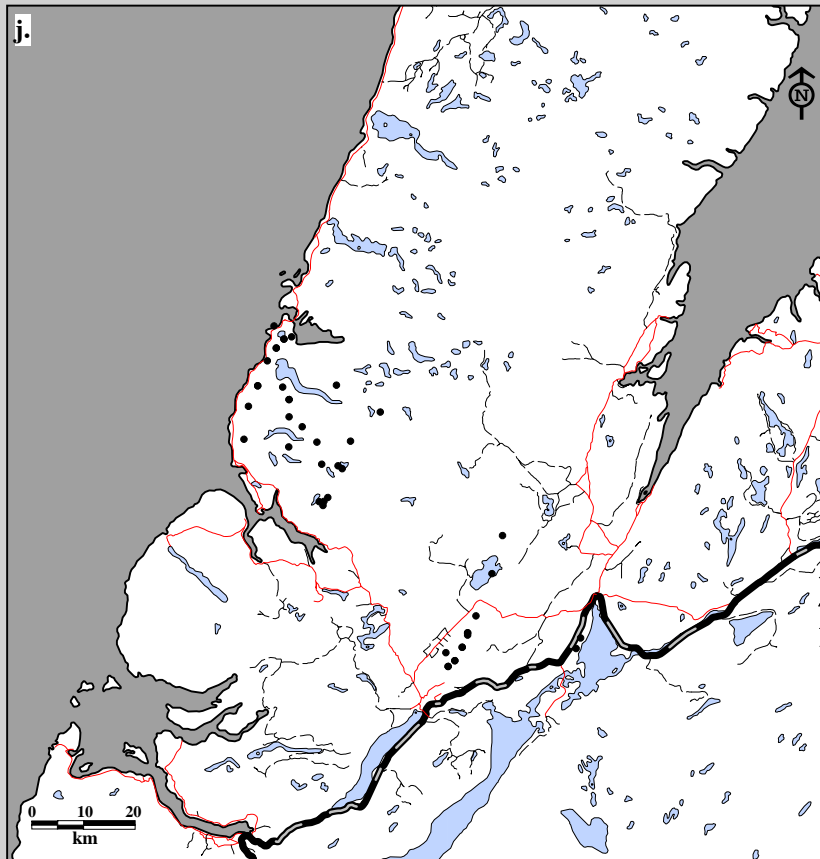


Fig. 8B-11. Gros Morne Caribou Herd radio telemetry locations. Data for female j. yearlings (43 locations; 9 caribou; 39 flights) and k. calves (69 locations; 13 caribou; 39 flights), 1995-96.

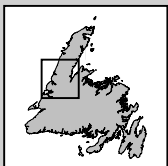
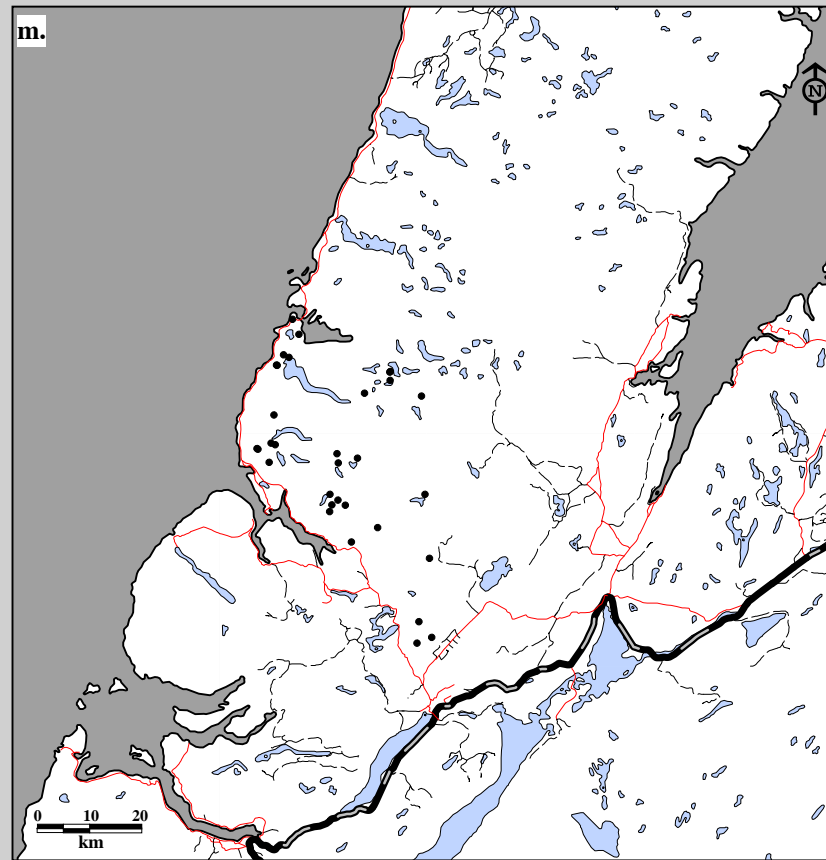
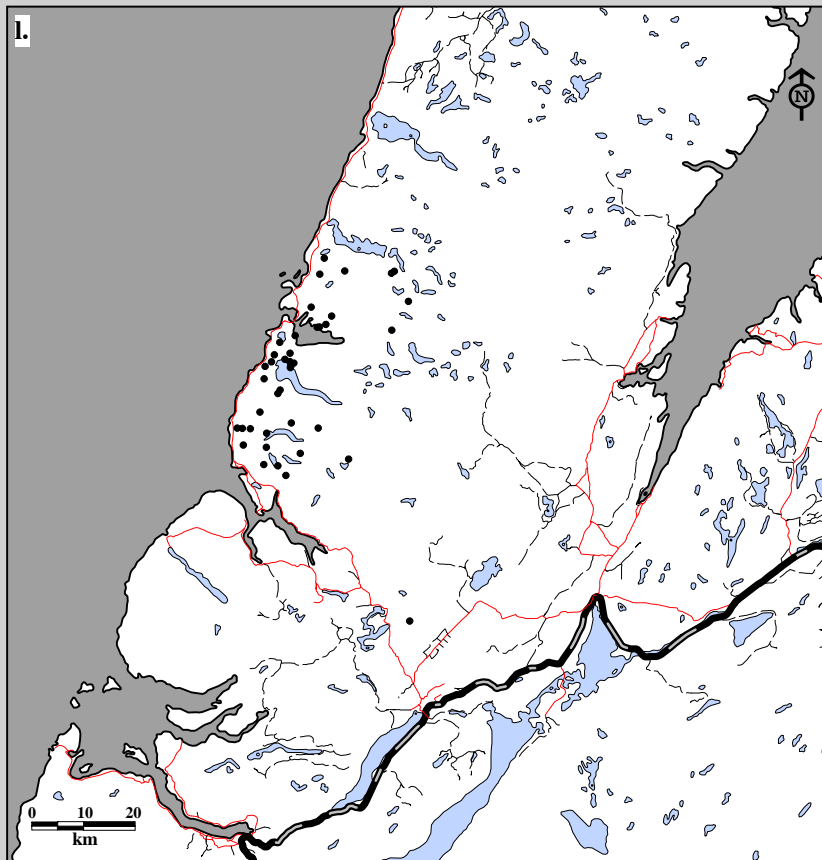


Fig. 8B-11. Gros Morne Caribou Herd radio telemetry locations. Data for male l. adults (41 locations; 10 caribou; 39 flights) and m. two-year olds (32 locations; 4 caribou; 39 flights), 1995-96.

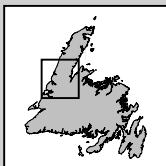
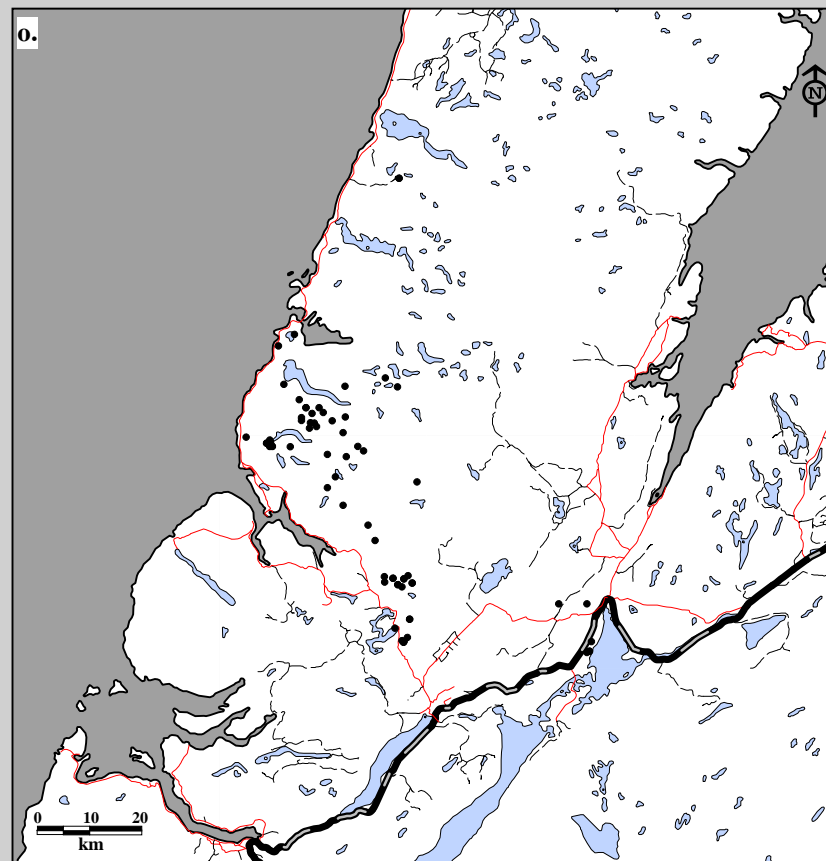
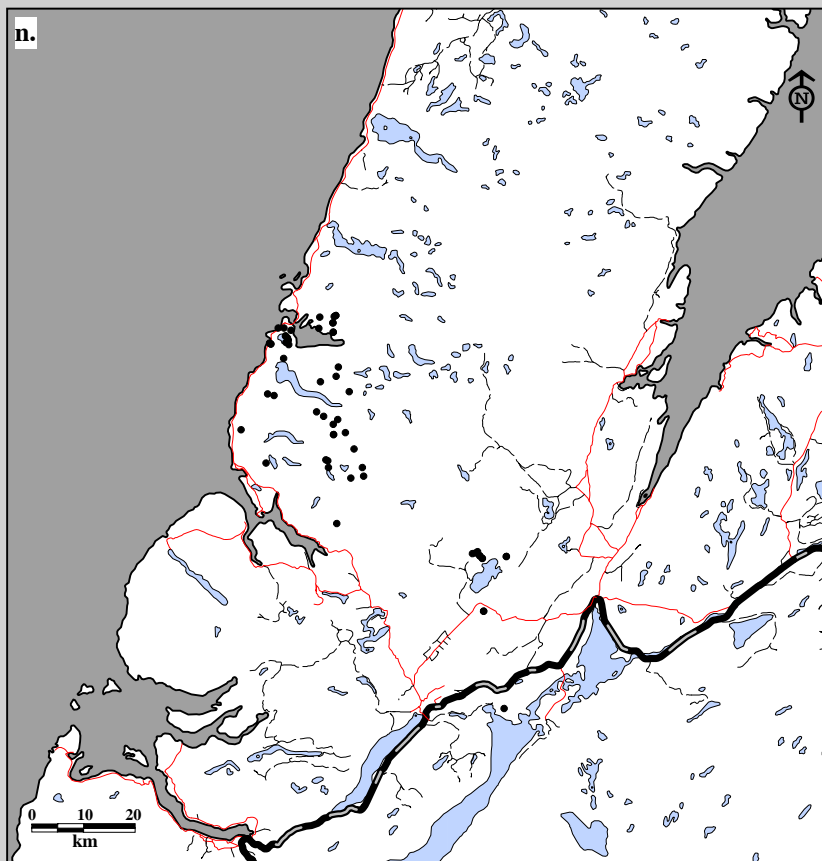


Fig. 8B-11. Gros Morne Caribou Herd radio telemetry locations. Data for male n. yearlings (58 locations; 8 caribou; 39 flights) and o. calves (72 locations; 13 caribou; 39 flights), 1995-96.

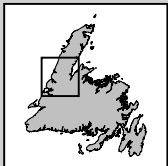
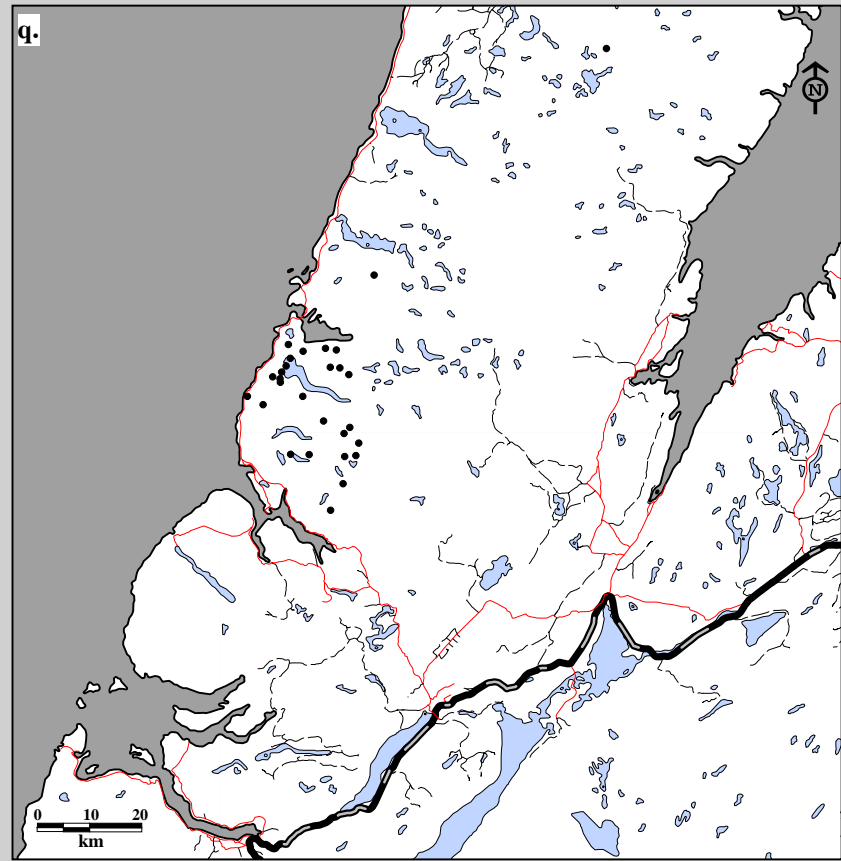
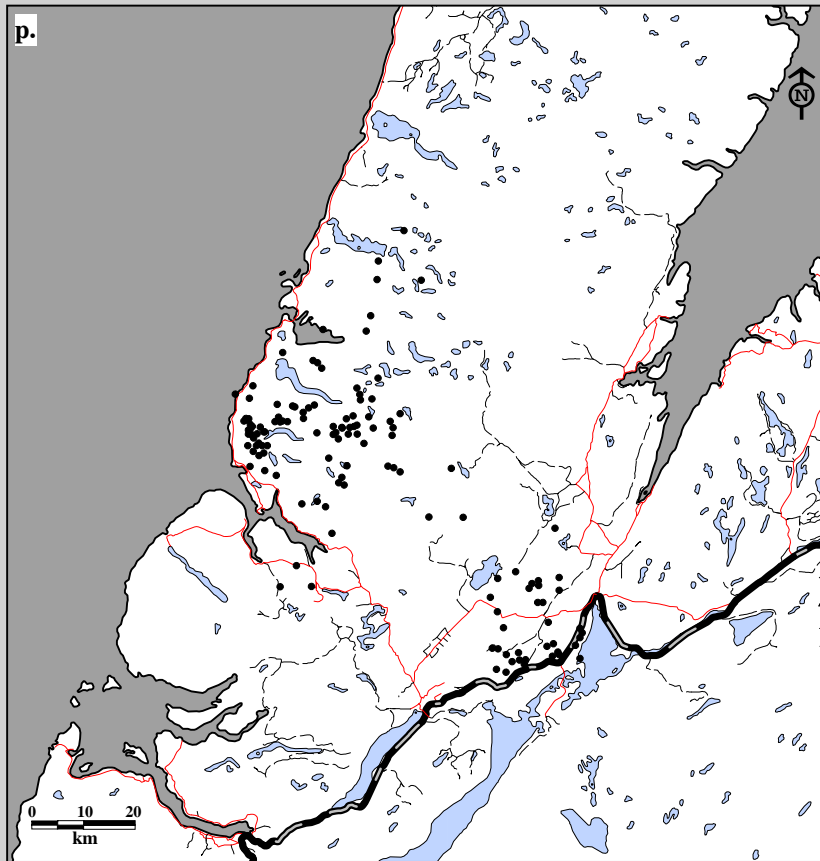


Fig. 8B-11. Gros Morne Caribou Herd radio telemetry locations. Data for female p. adults (132 locations; 17 caribou; 36 flights) and q. two-year olds (28 locations; 7 caribou; 36 flights), 1996-97.

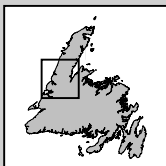
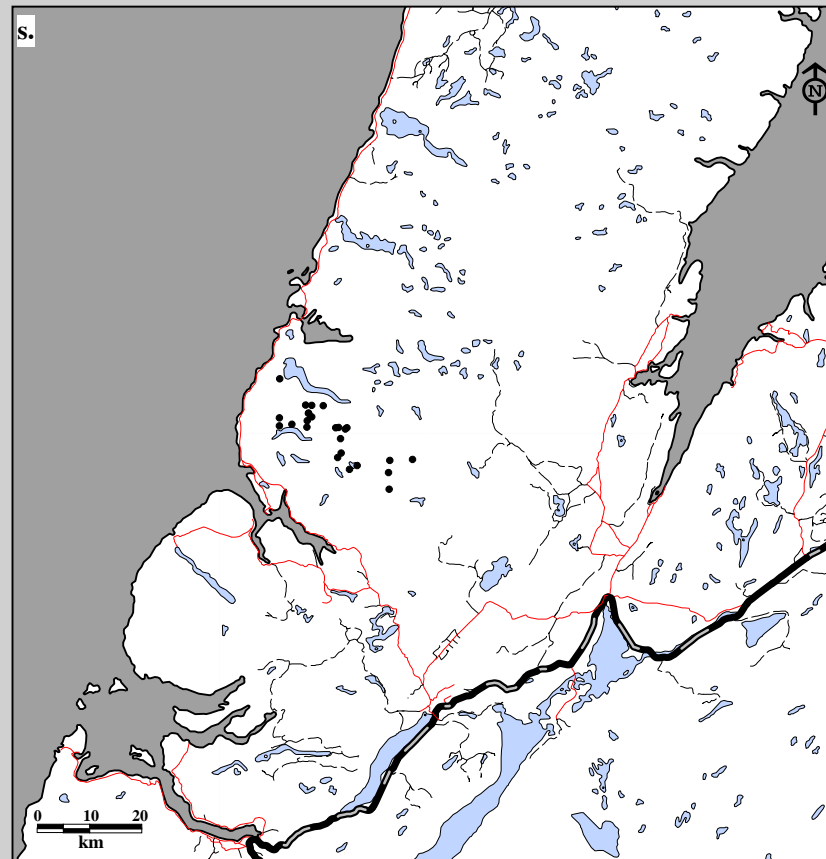
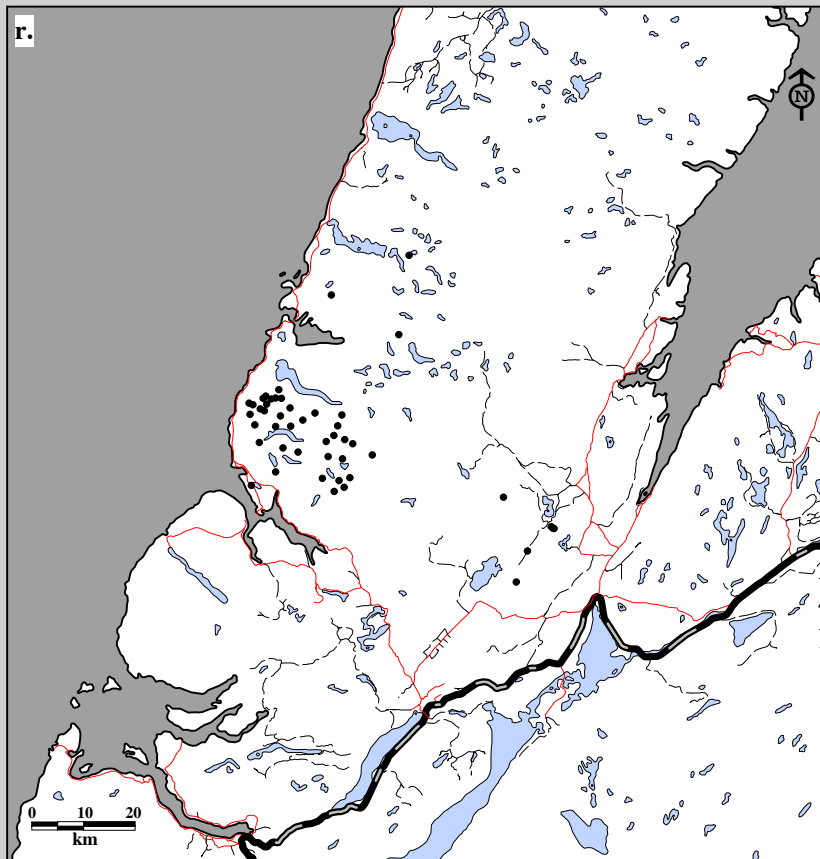


Fig. 8B-11. Gros Morne Caribou Herd radio telemetry locations. Data for female r. yearlings (47 locations; 6 caribou; 36 flights) and s. calves (25 locations; 6 caribou; 36 flights), 1996-97.

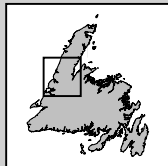
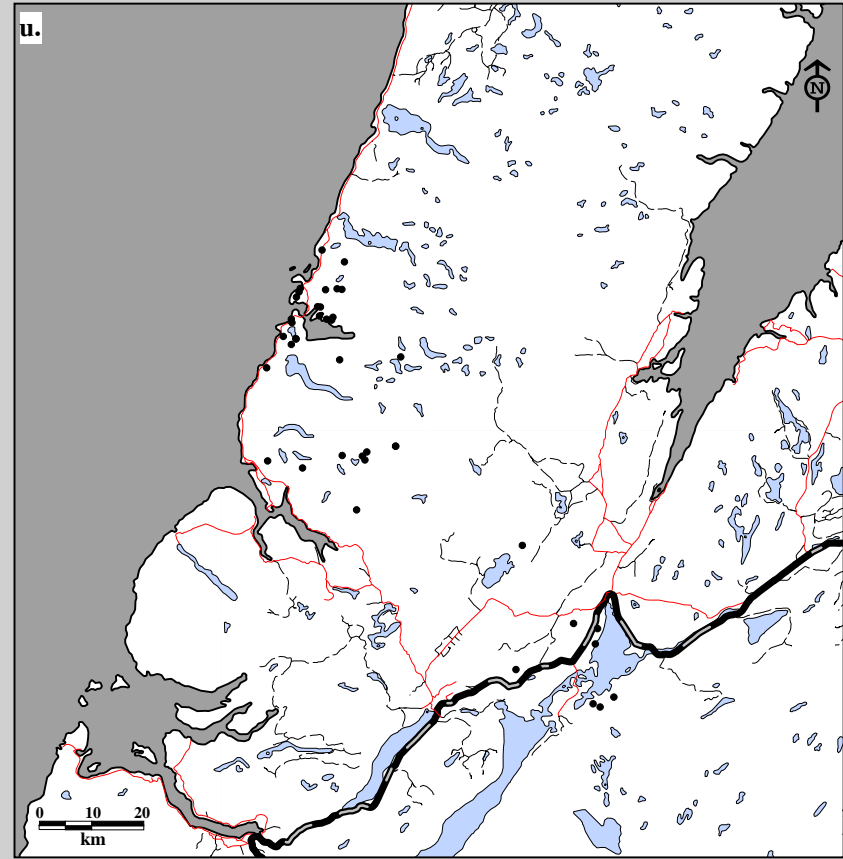
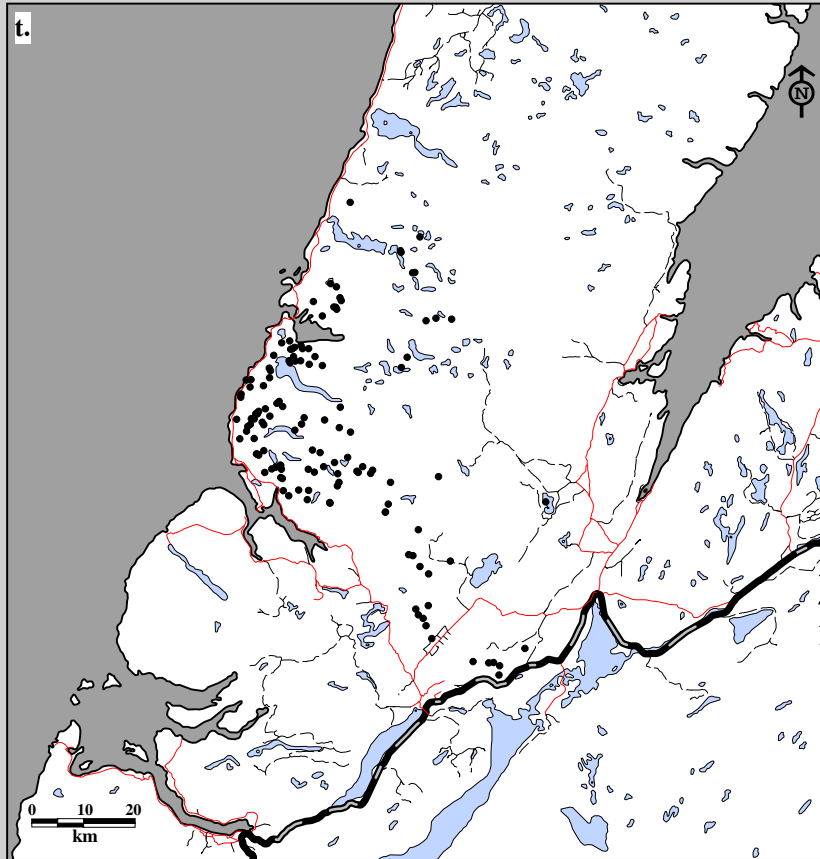


Fig. 8B-11. Gros Morne Caribou Herd radio telemetry locations. Data for male t. adults (131 locations; 13 caribou; 36 flights) and u. two-year olds (40 locations; 6 caribou; 36 flights), 1996-97.



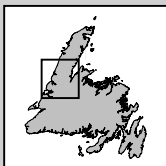
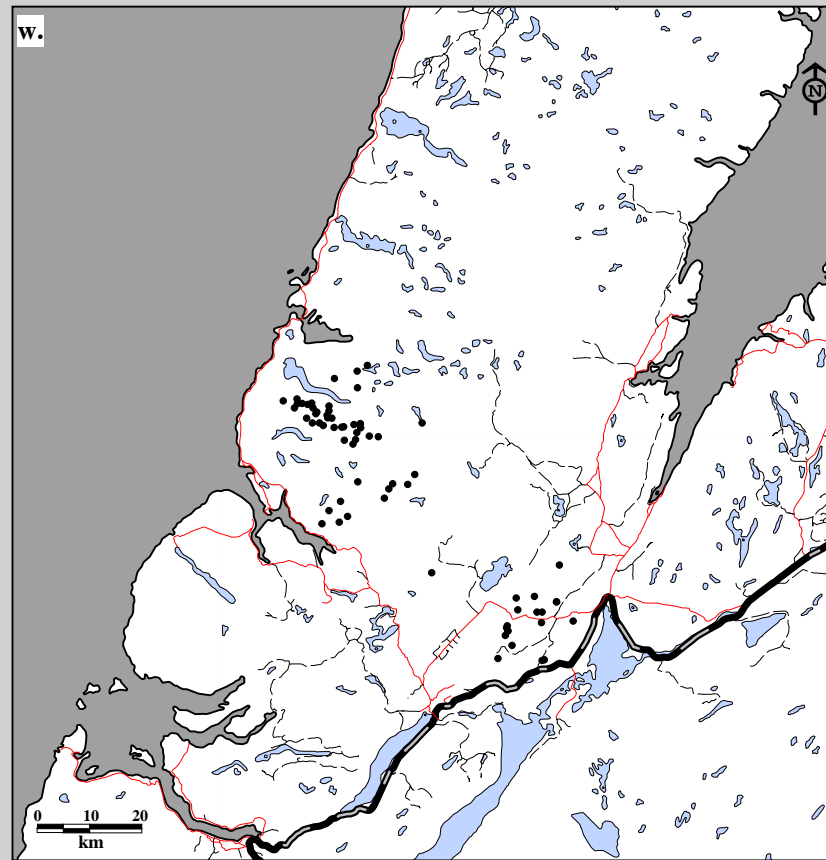
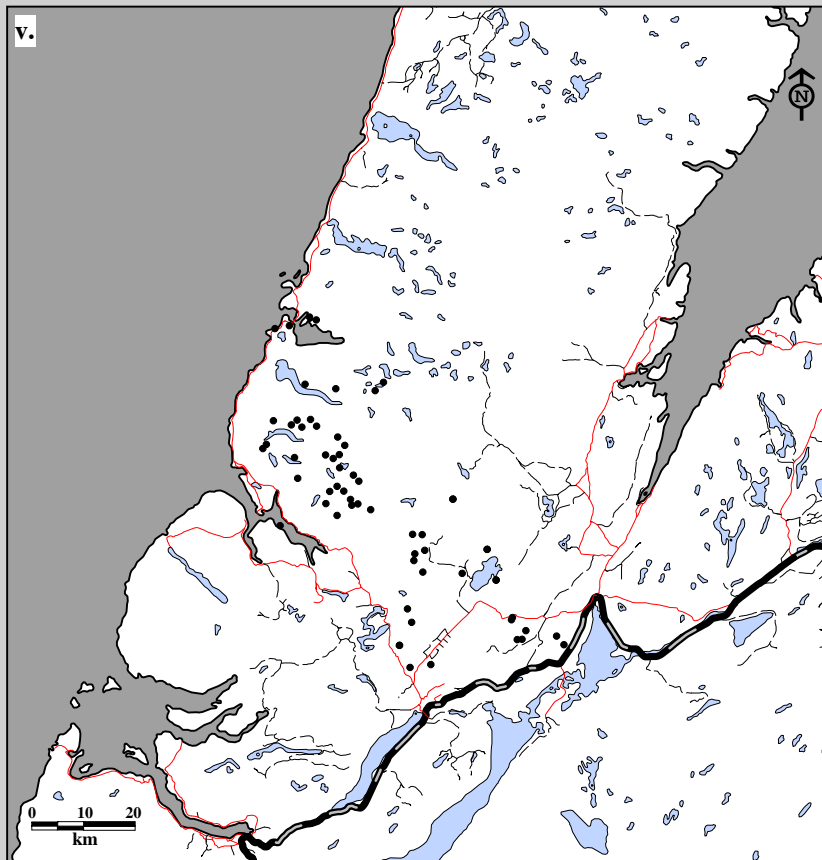


Fig. 8B-11. Gros Morne Caribou Herd radio telemetry locations. Data for male v. yearlings (62 locations; 7 caribou; 36 flights) and w. calves (67 locations; 11 caribou; 36 flights), 1996-97.

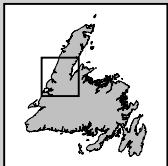
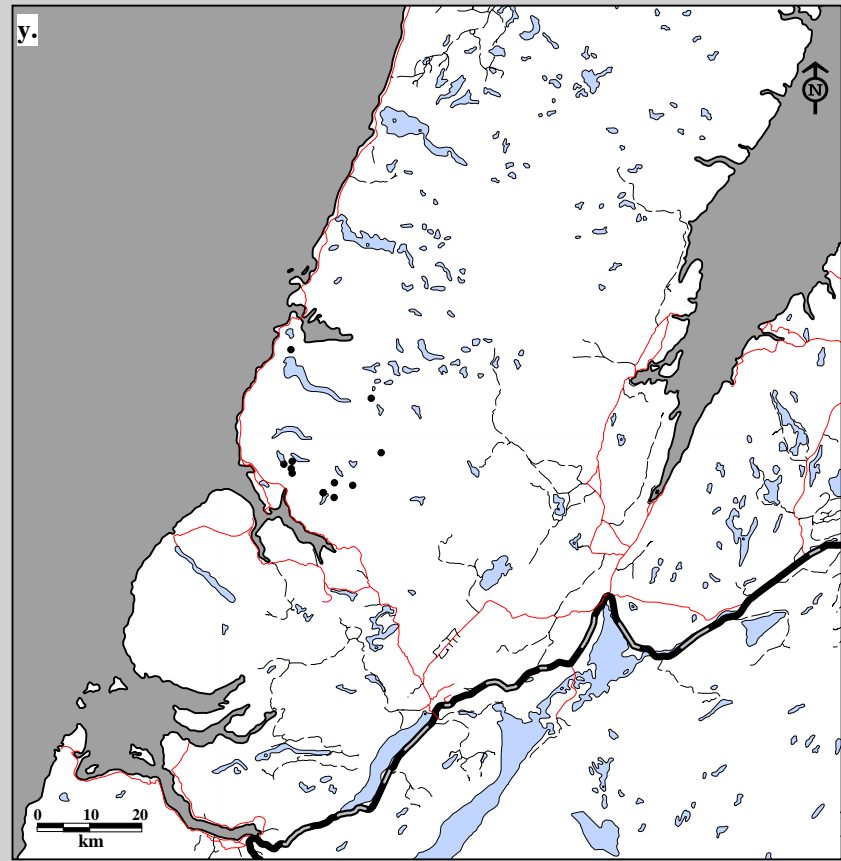
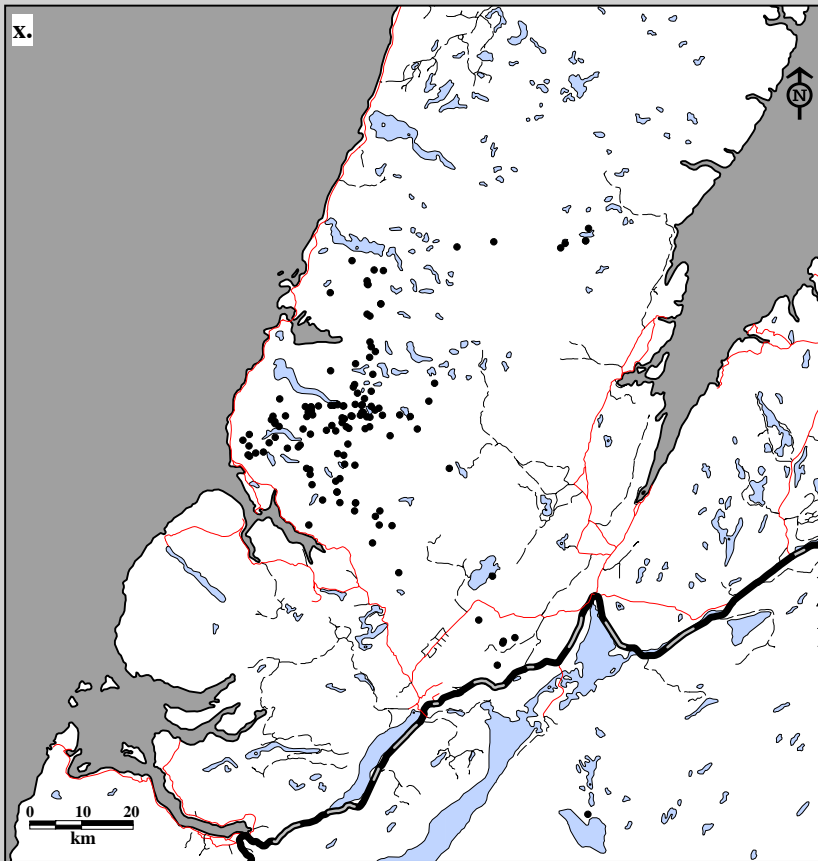


Fig. 8B-11. Gros Morne Caribou Herd radio telemetry locations. Data for female x. adults (129 locations; 17 caribou; 17 flights) and y. two-year olds (12 locations; 5 caribou; 17 flights), 1997-98.

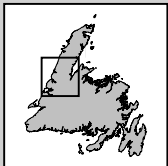
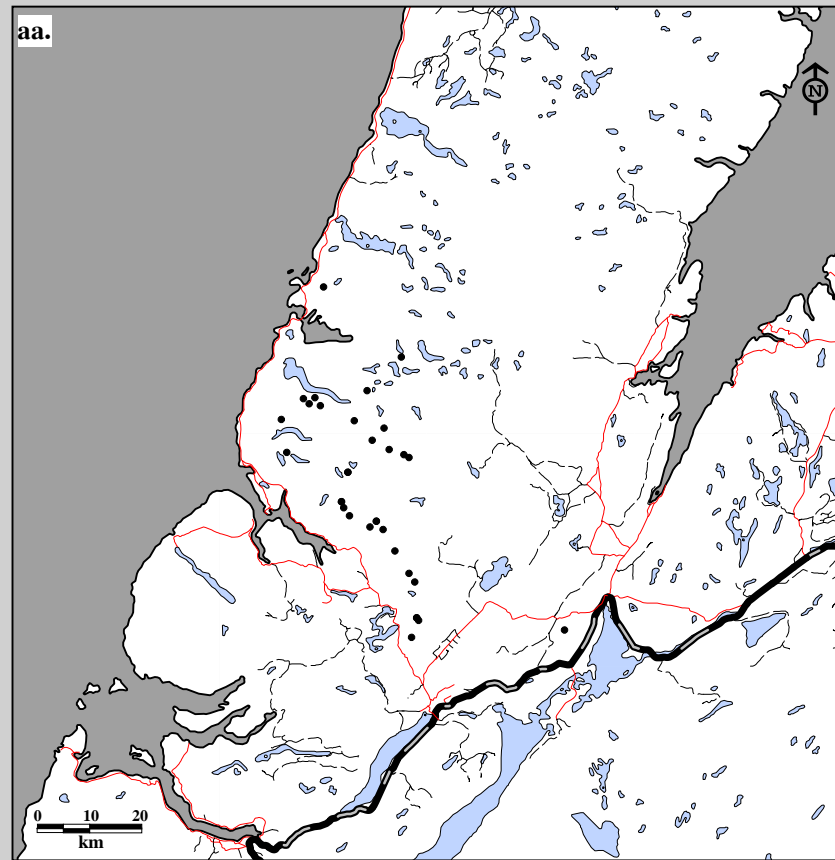
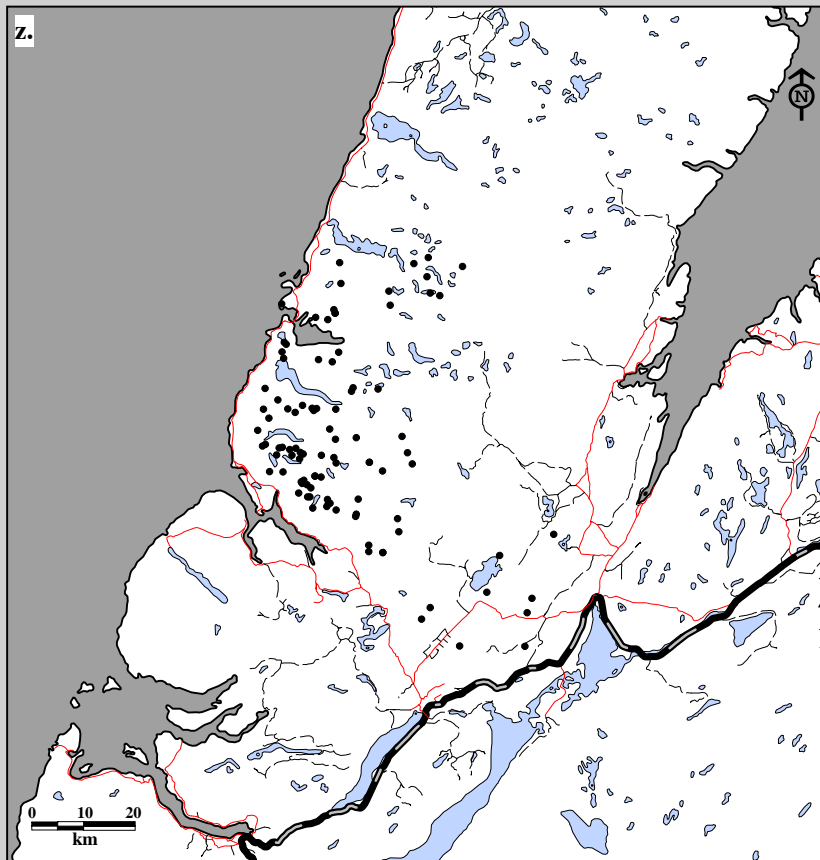


Fig. 8B-11. Gros Morne Caribou Herd radio telemetry locations. Data for male z. adults (99 locations; 12 caribou; 17 flights) and aa. two-year olds (33 locations; 6 caribou; 17 flights), 1997-98.

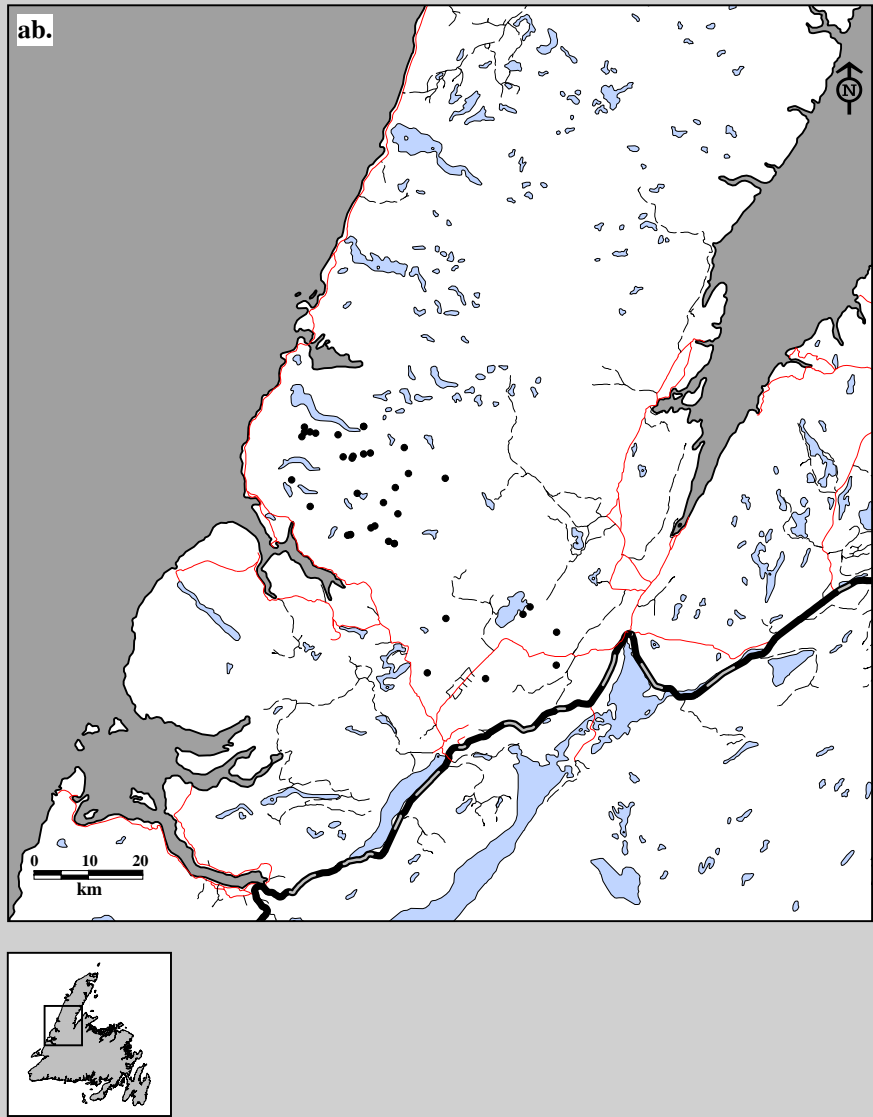


Fig. 8B-11. Gros Morne Caribou Herd radio telemetry locations. Data for male ab. yearlings (37 locations; 13 caribou; 17 flights), 1997-98.

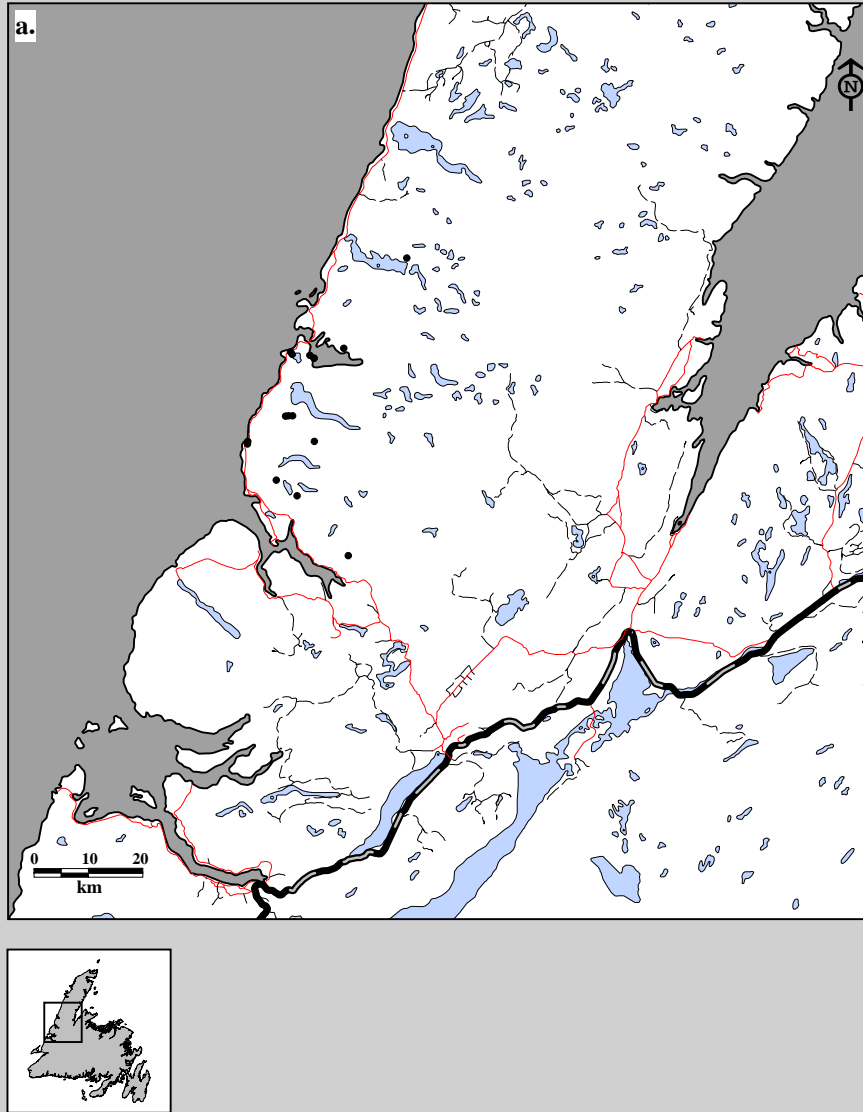


Fig. 8B-12. Gros Morne Caribou Herd radio telemetry locations. Data for females in a. winter (16 locations; 12 caribou; 3 flights), 1992-93.

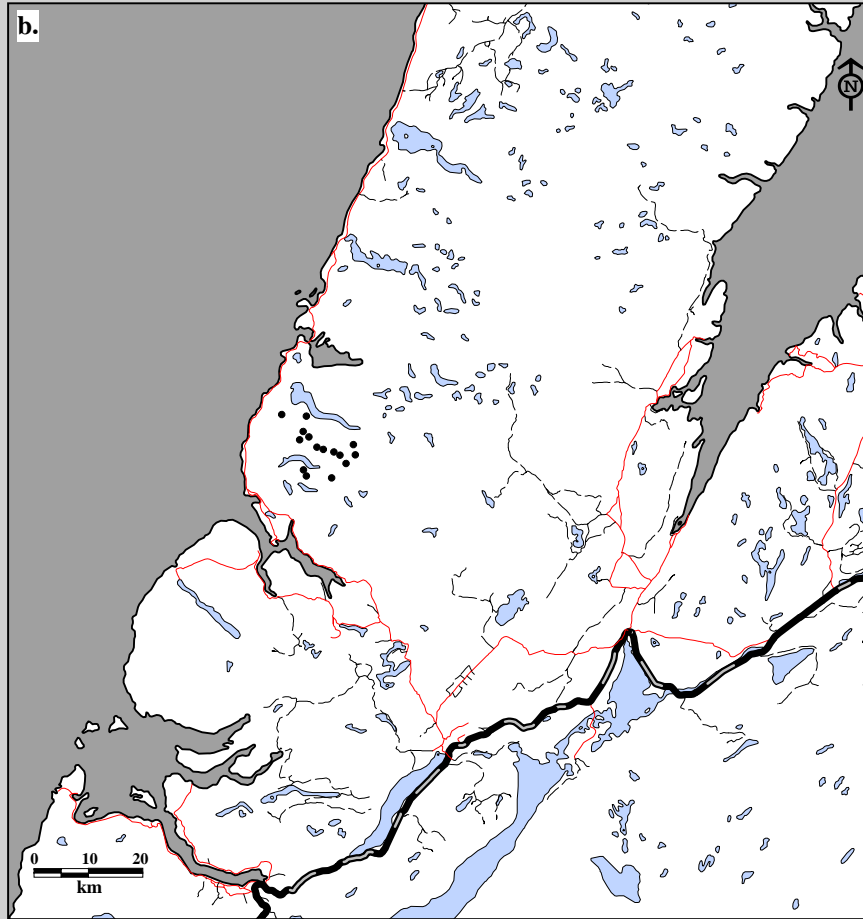


Fig. 8B-12. Gros Morne Caribou Herd radio telemetry locations. Data for females in b. spring (15 locations; 14 caribou; 4 flights), 1993-94.

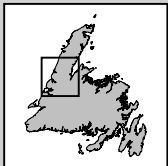
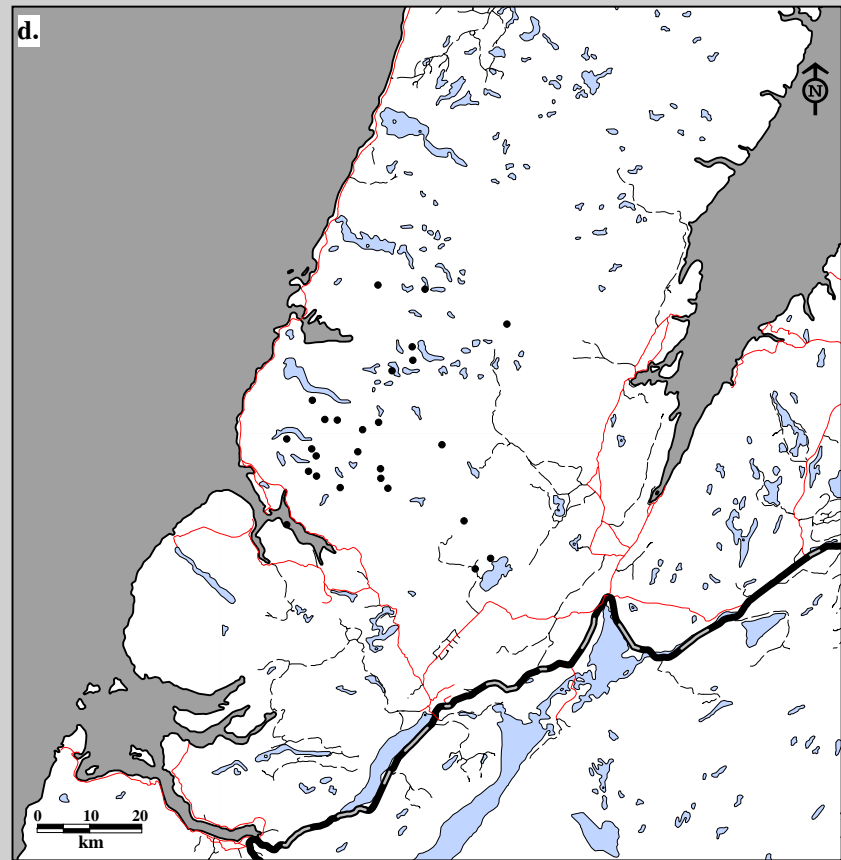
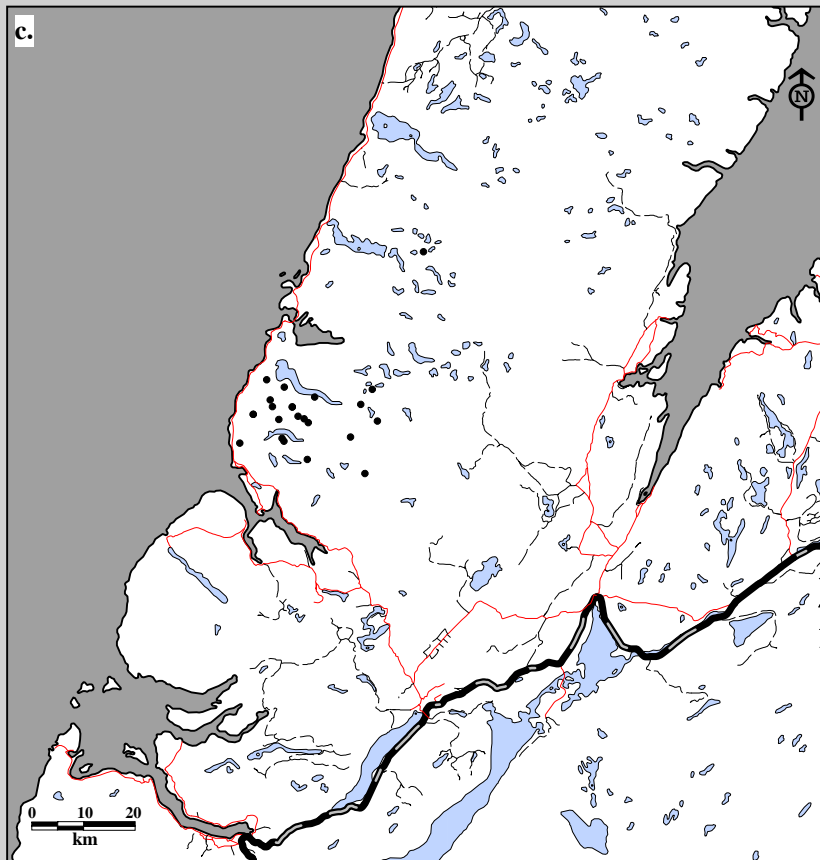


Fig. 9B-12. Gros Morne Caribou Herd radio telemetry locations. Data for females in c. spring (23 locations; 21 caribou; 7 flights) and d. summer (26 locations; 24 caribou; 5 flights), 1994-95.

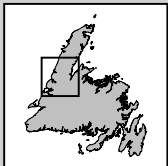
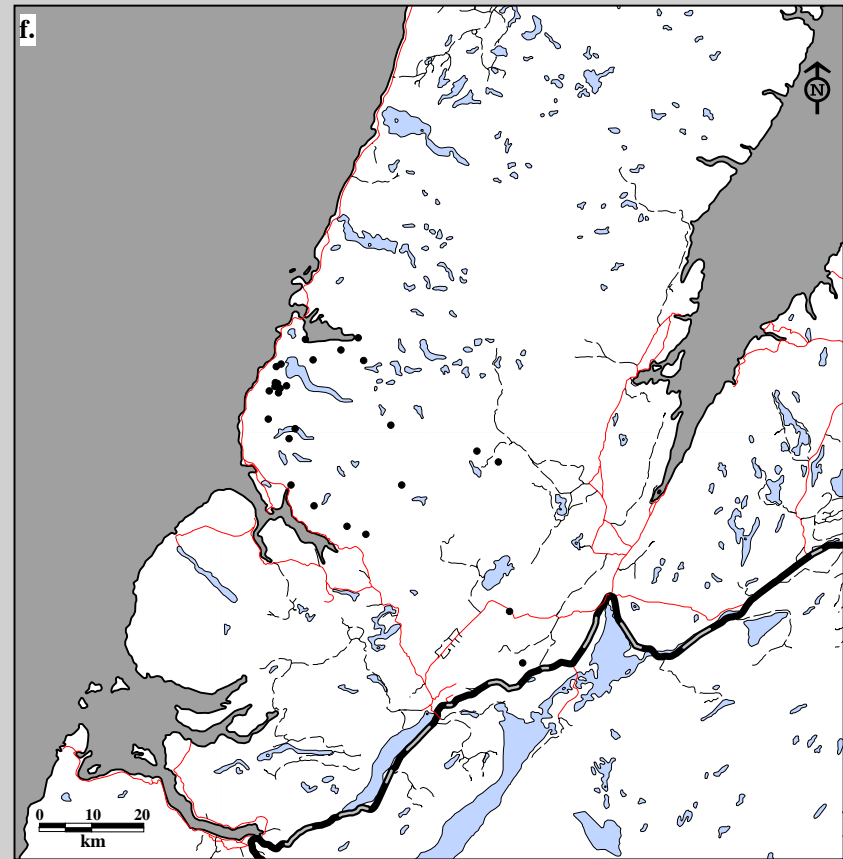
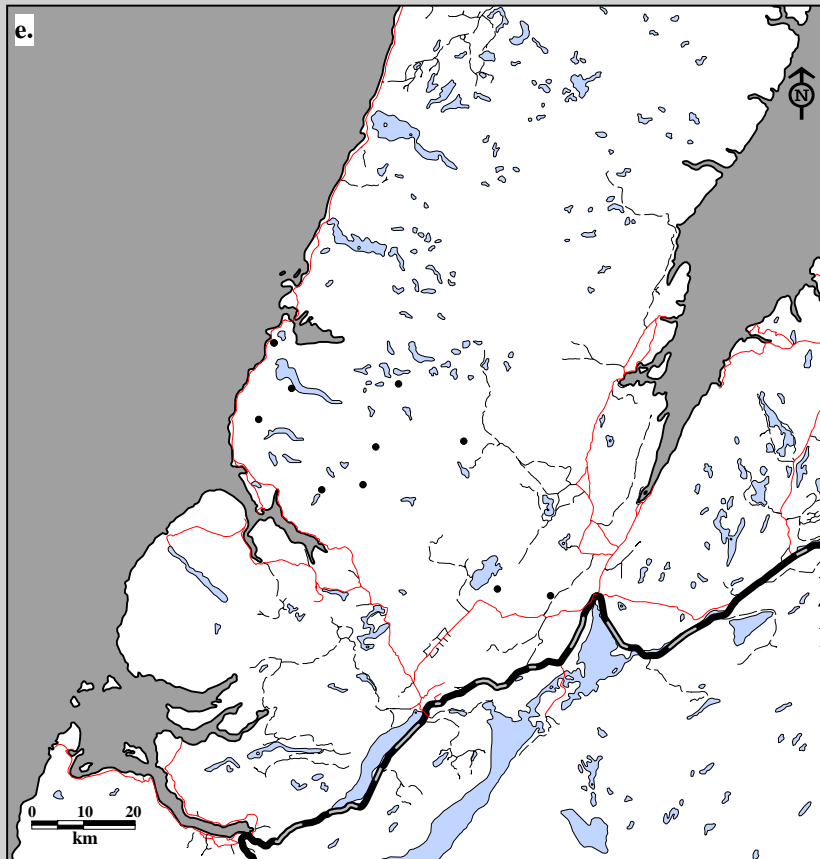


Fig. 8B-12. Gros Morne Caribou Herd radio telemetry locations. Data for females in e. fall (11 locations; 11 caribou; 2 flights) and f. winter (27 locations; 18 caribou; 7 flights), 1994-95.



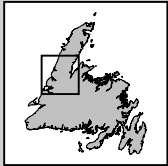
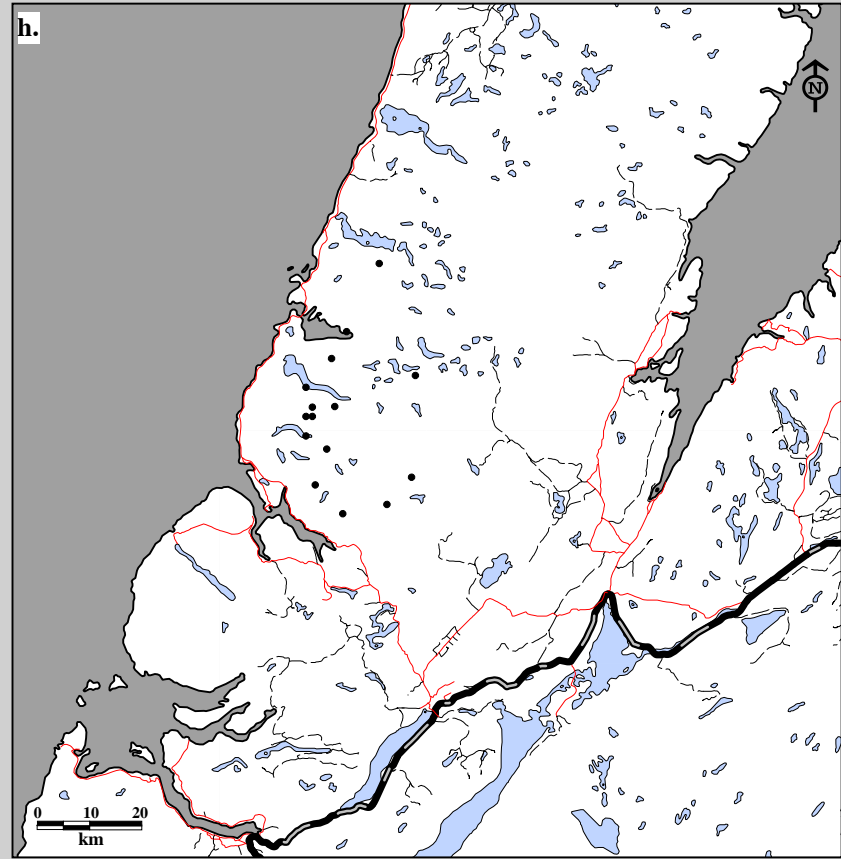
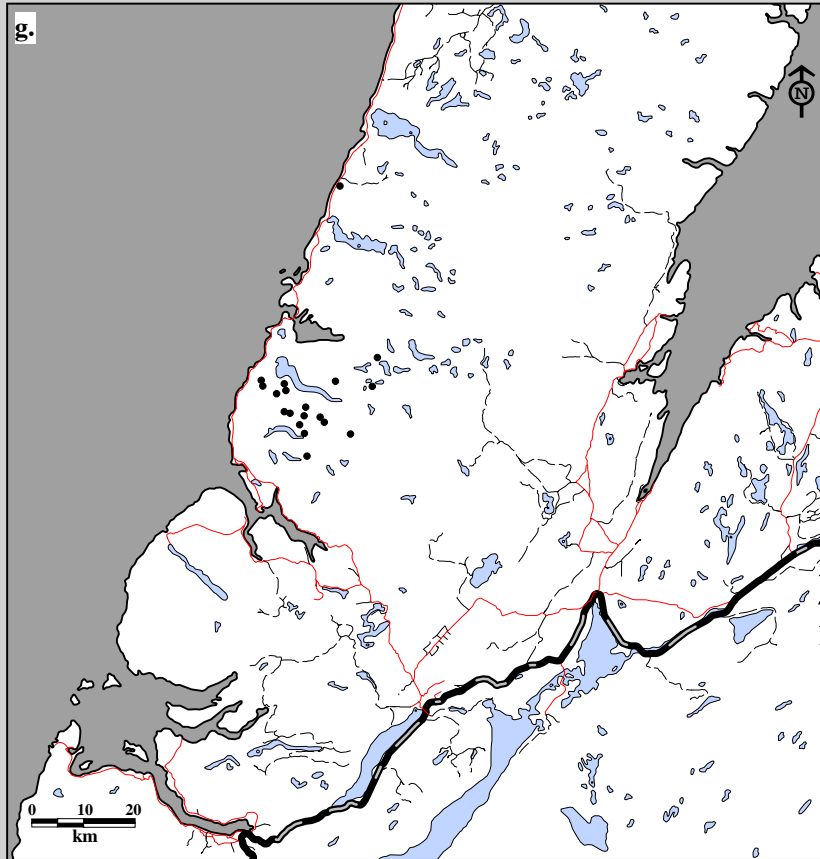


Fig. 8B-12. Gros Morne Caribou Herd radio telemetry locations. Data for males in g. spring (19 locations; 18 caribou; 7 flights) and h. summer (15 locations; 13 caribou; 5 flights), 1994-95.

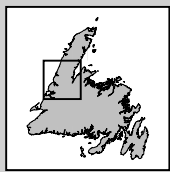
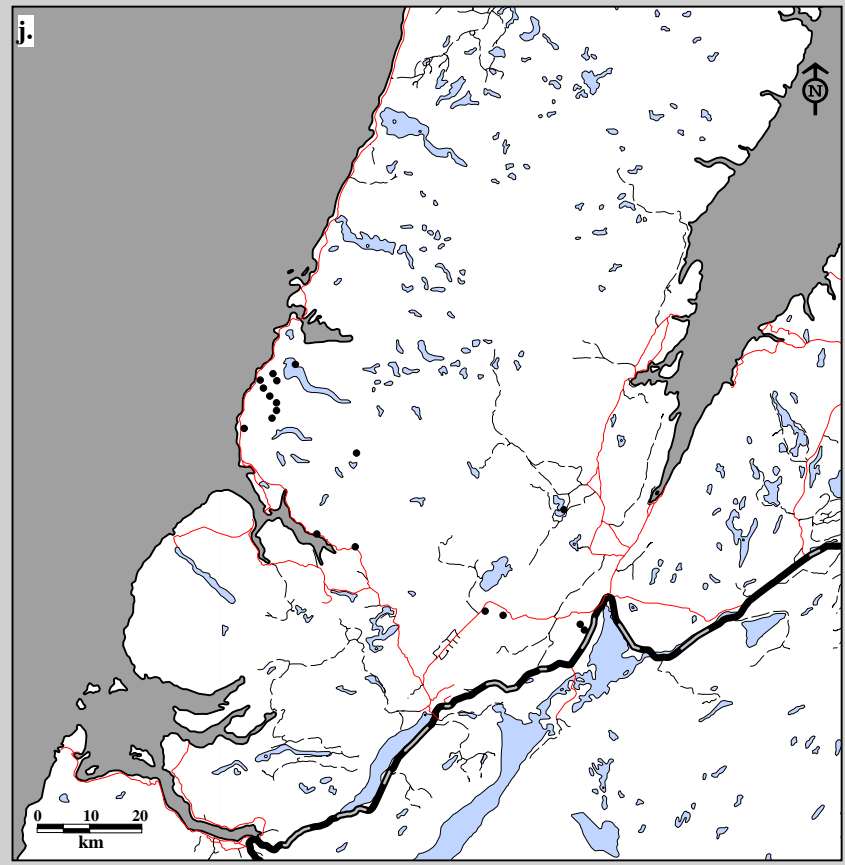
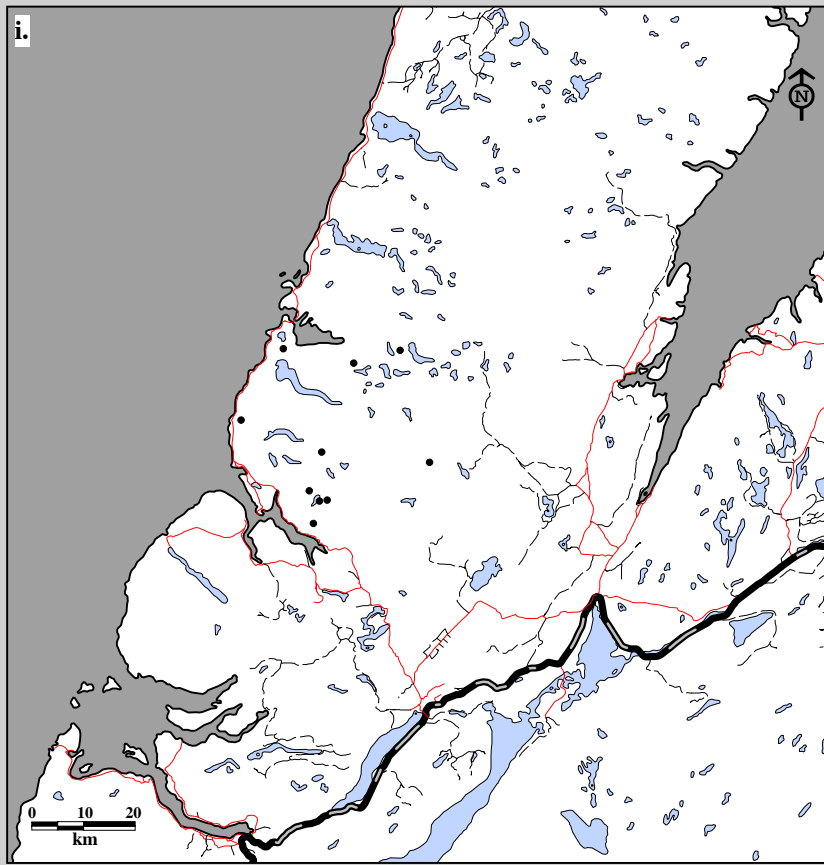
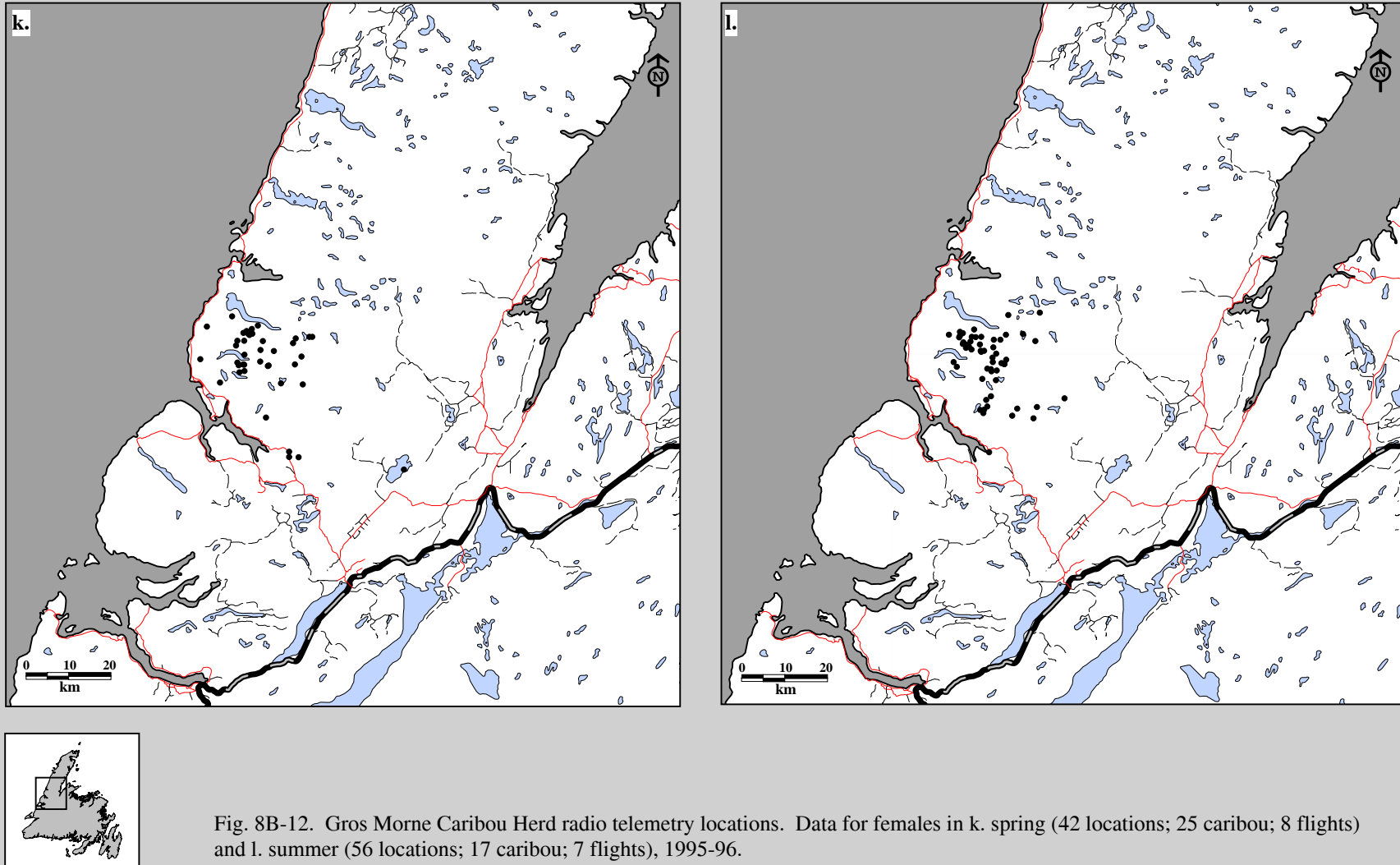


Fig. 8B-12. Gros Morne Caribou Herd radio telemetry locations. Data for males in i. fall (10 locations; 10 caribou; 2 flights) and j. winter (18 locations; 10 caribou; 7 flights), 1994-95.



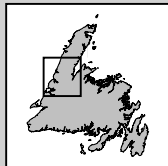
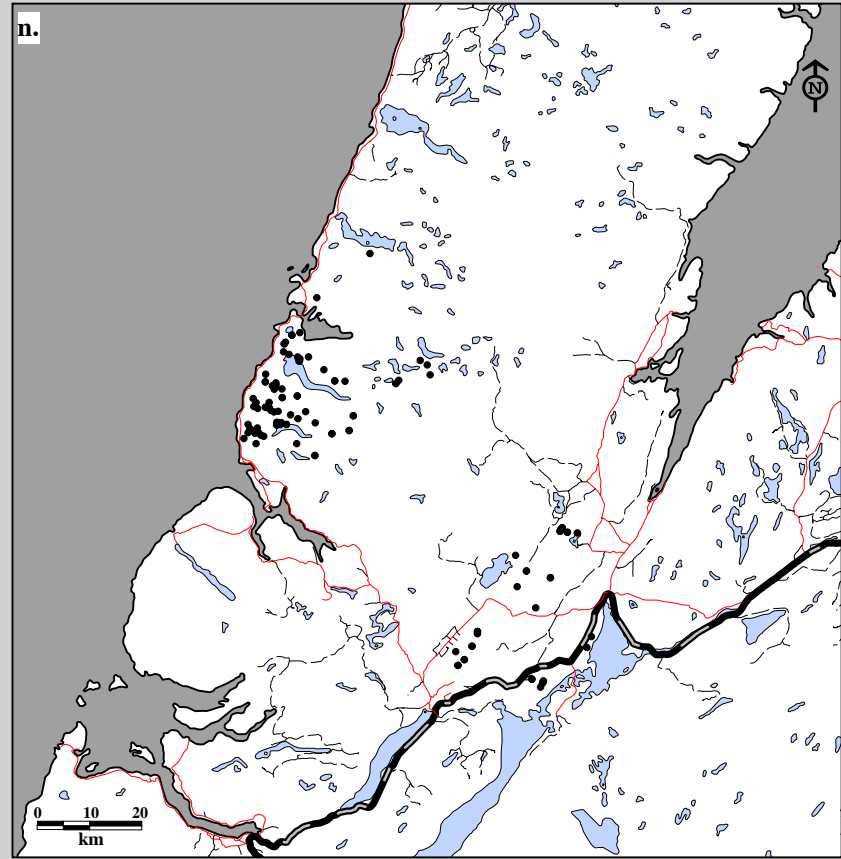
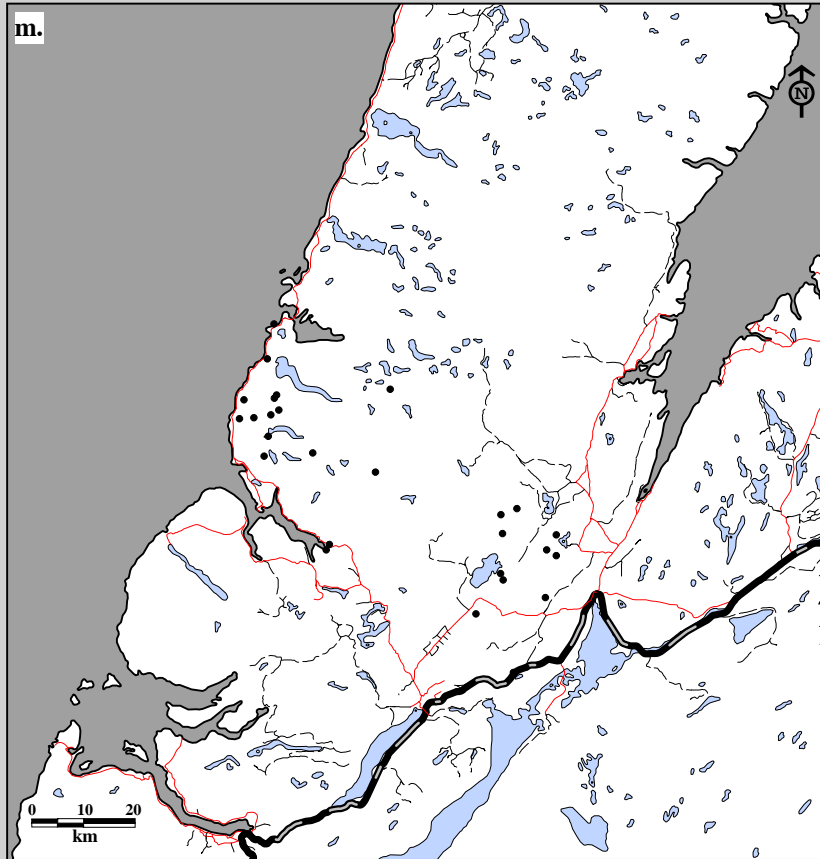


Fig. 8B-12. Gros Morne Caribou Herd radio telemetry locations. Data for females in m. fall (27 locations; 14 caribou; 5 flights) and n. winter (121 locations; 22 caribou; 19 flights), 1995-96.

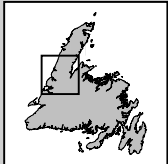
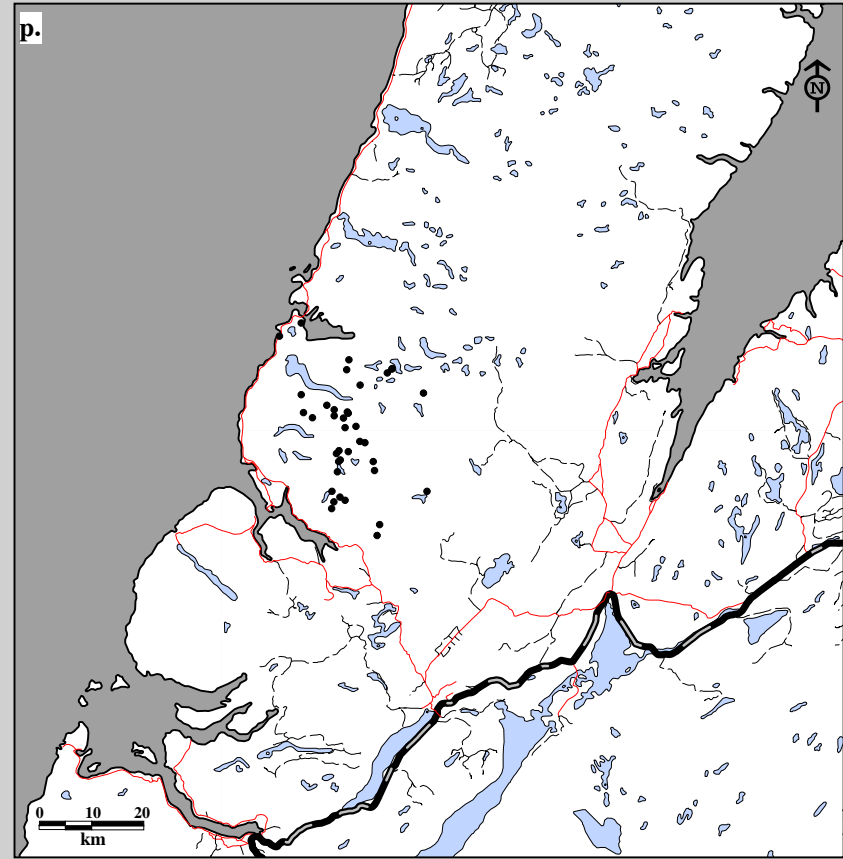
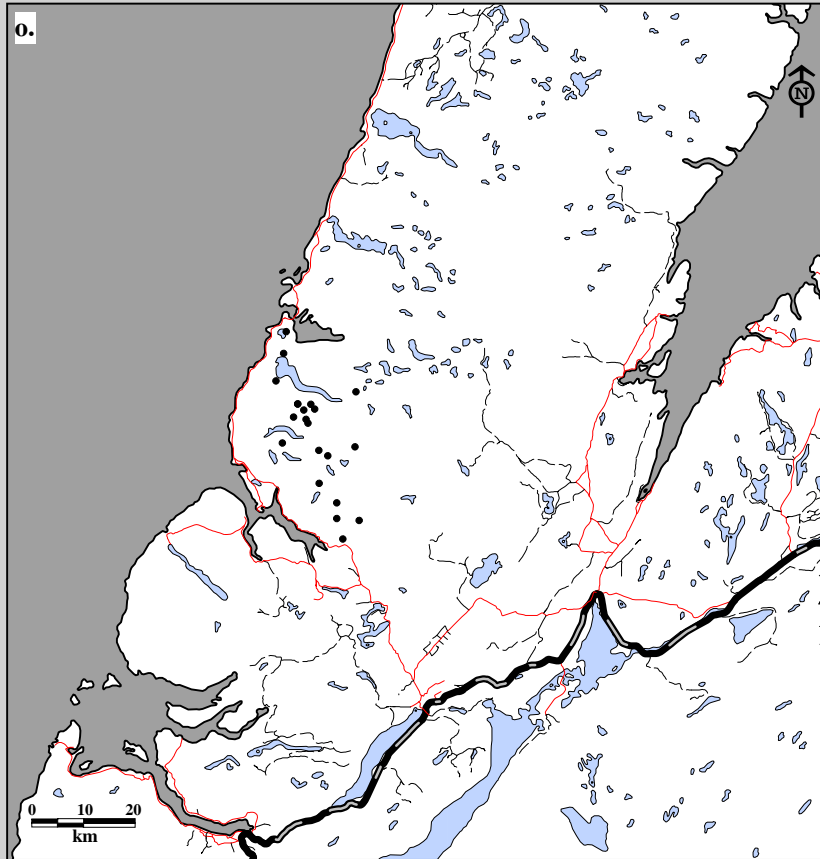


Fig. 8B-12. Gros Morne Caribou Herd radio telemetry locations. Data for males in o. spring (21 locations; 16 caribou; 8 flights) and p. summer (38 locations; 12 caribou; 7 flights), 1995-96.

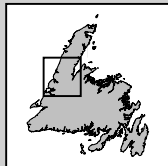
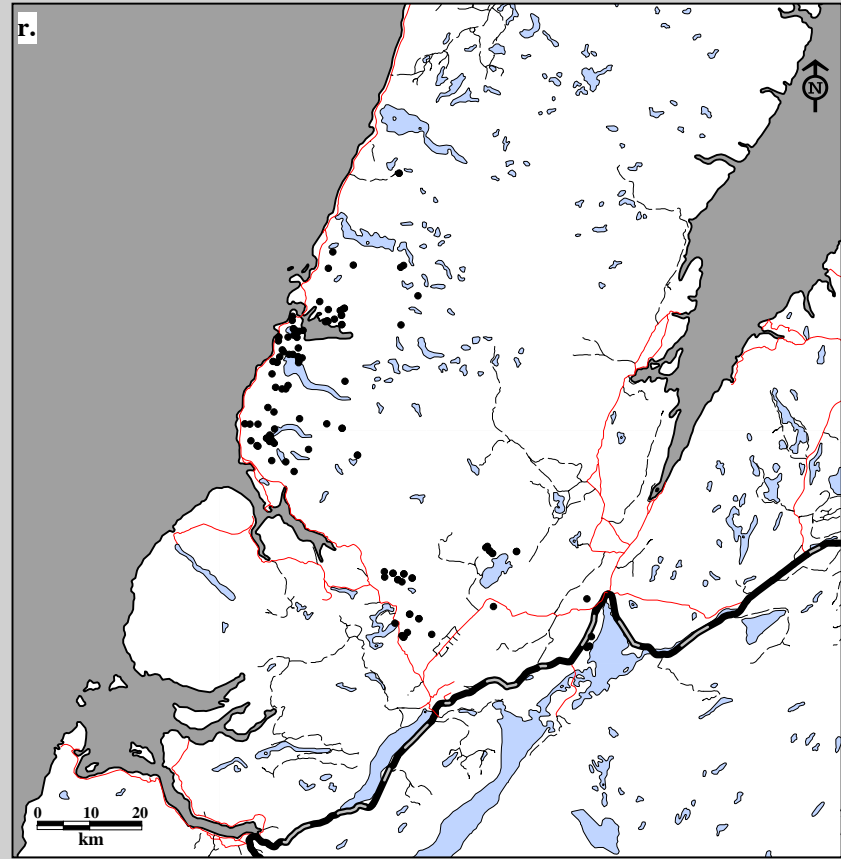
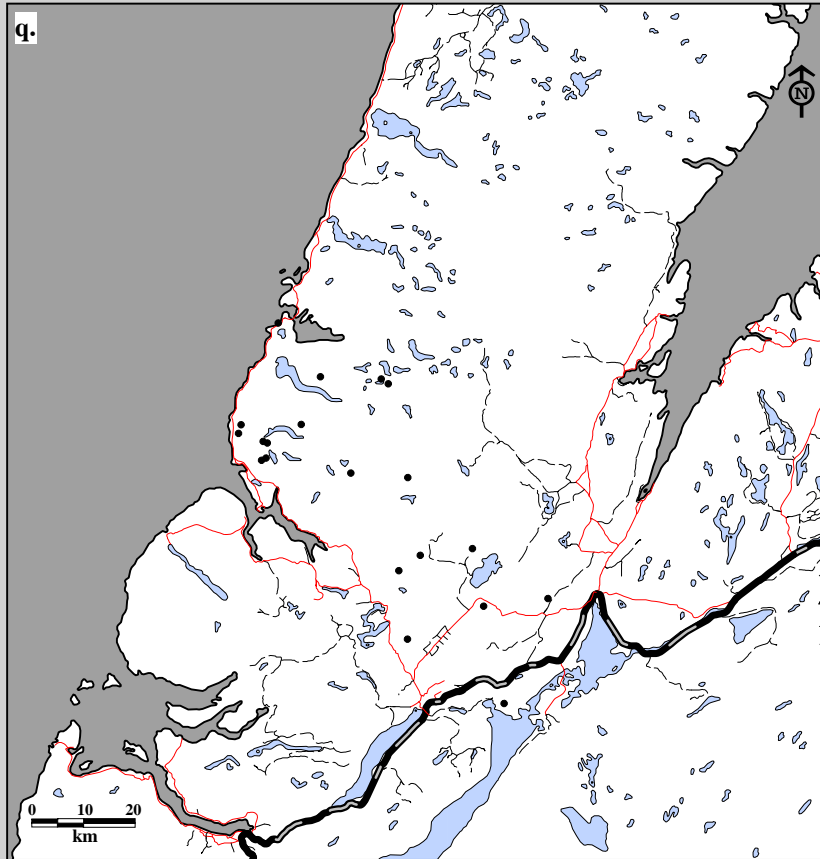


Fig. 8B-12. Gros Morne Caribou Herd radio telemetry locations. Data for males in q. fall (20 locations; 11 caribou; 5 flights) and r. winter (124 locations; 23 caribou; 19 flights), 1995-96.

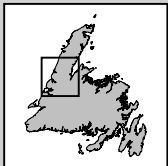
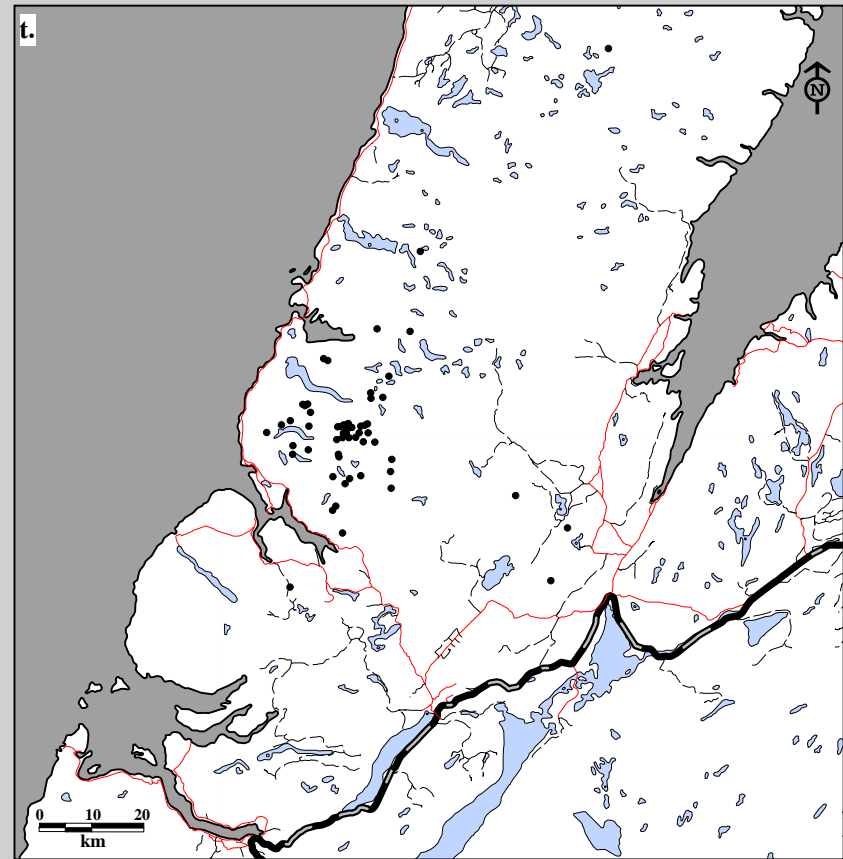
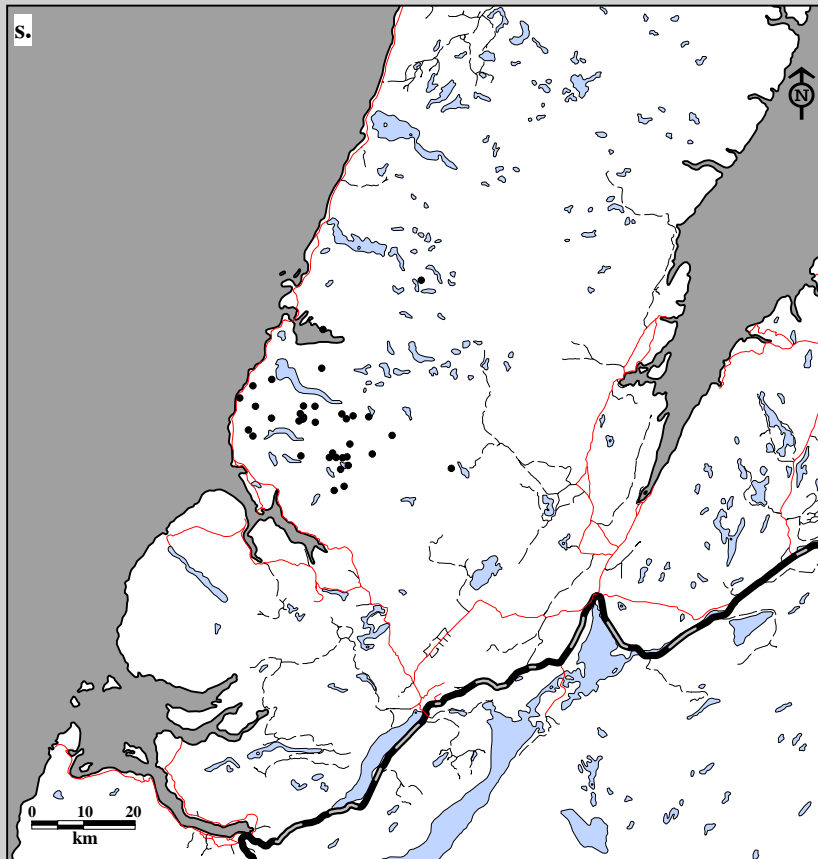


Fig. 8B-12. Gros Morne Caribou Herd radio telemetry locations. Data for females in s. spring (36 locations; 17 caribou; 9 flights) and t. summer (59 locations; 19 caribou; 12 flights), 1996-97.

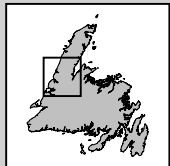
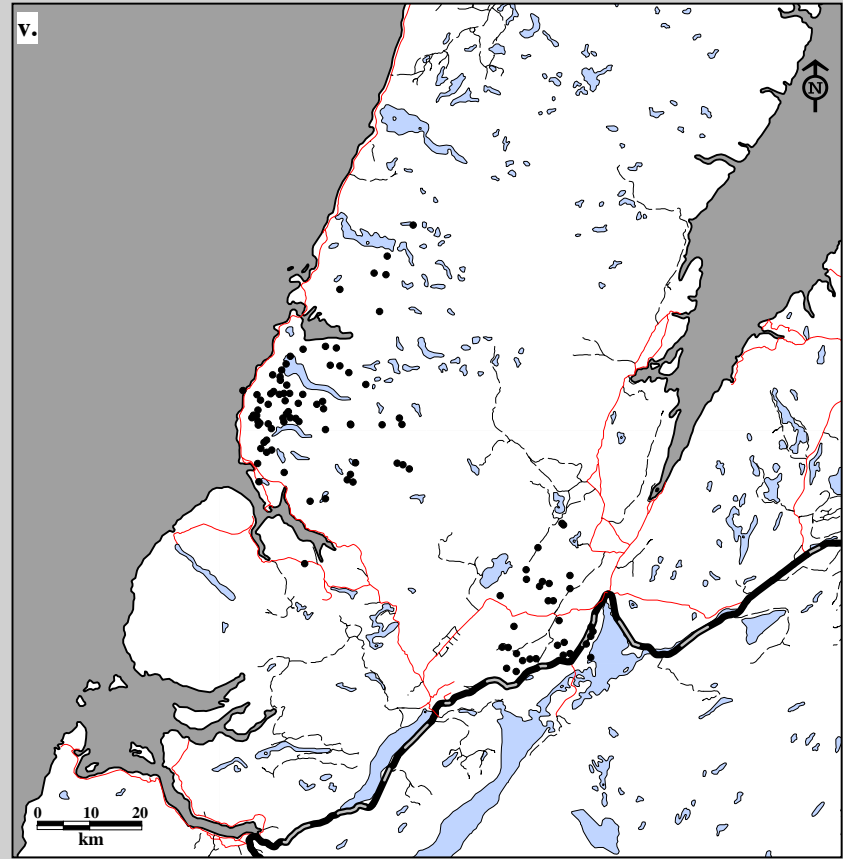
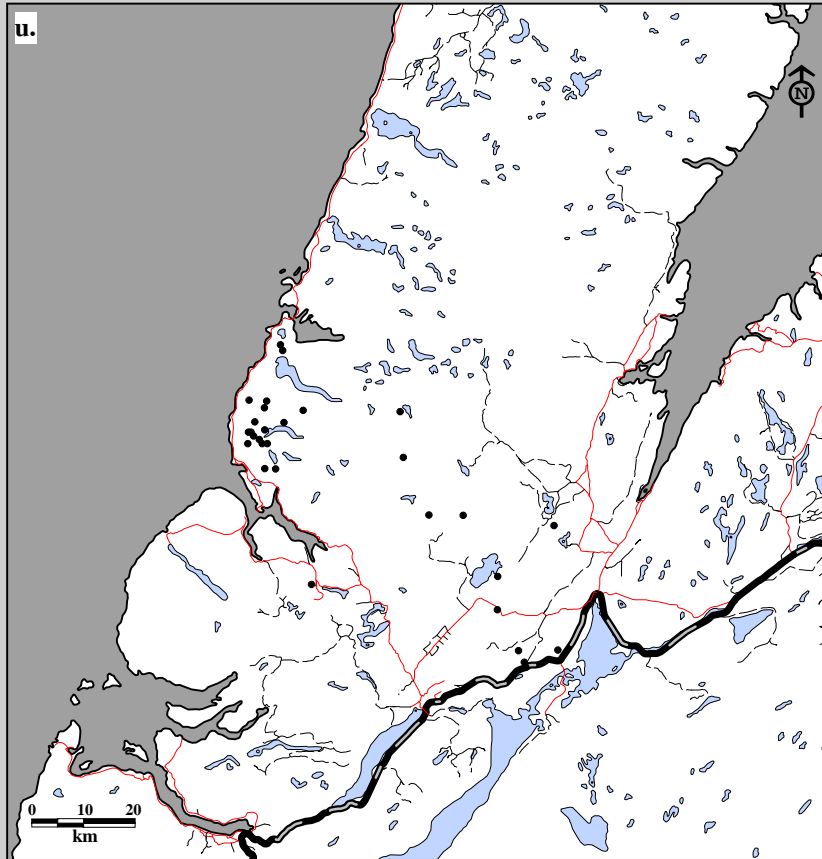


Fig. 8B-12. Gros Morne Caribou Herd radio telemetry locations. Data for females in u. fall (29 locations; 18 caribou; 7 flights) and v. winter (108 locations; 24 caribou; 8 flights), 1996-97.



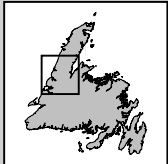
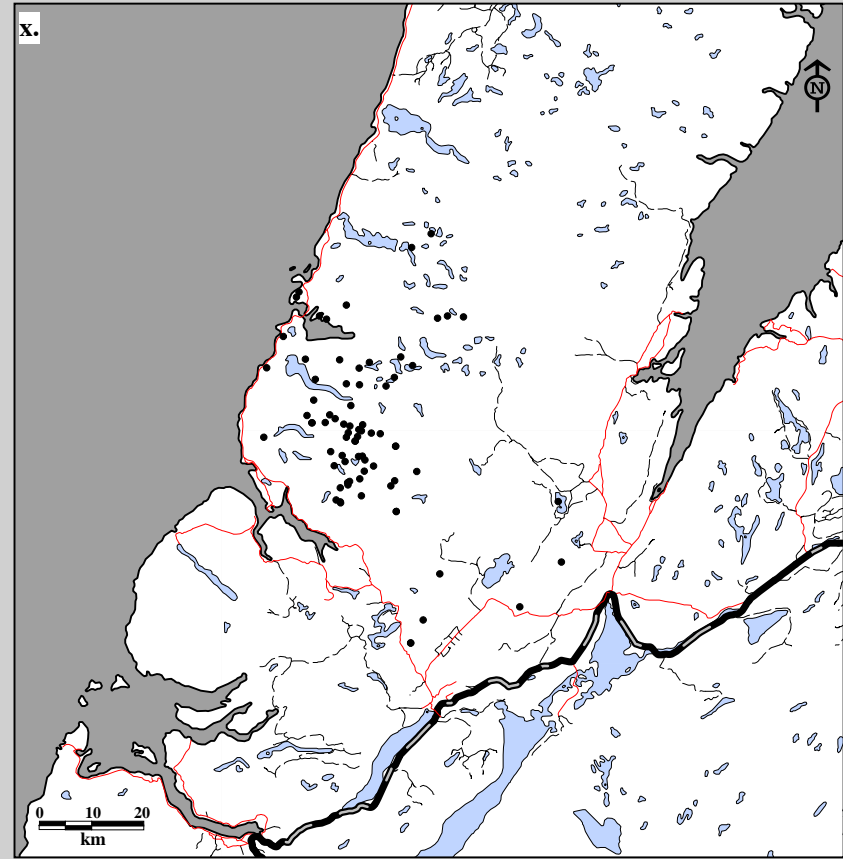
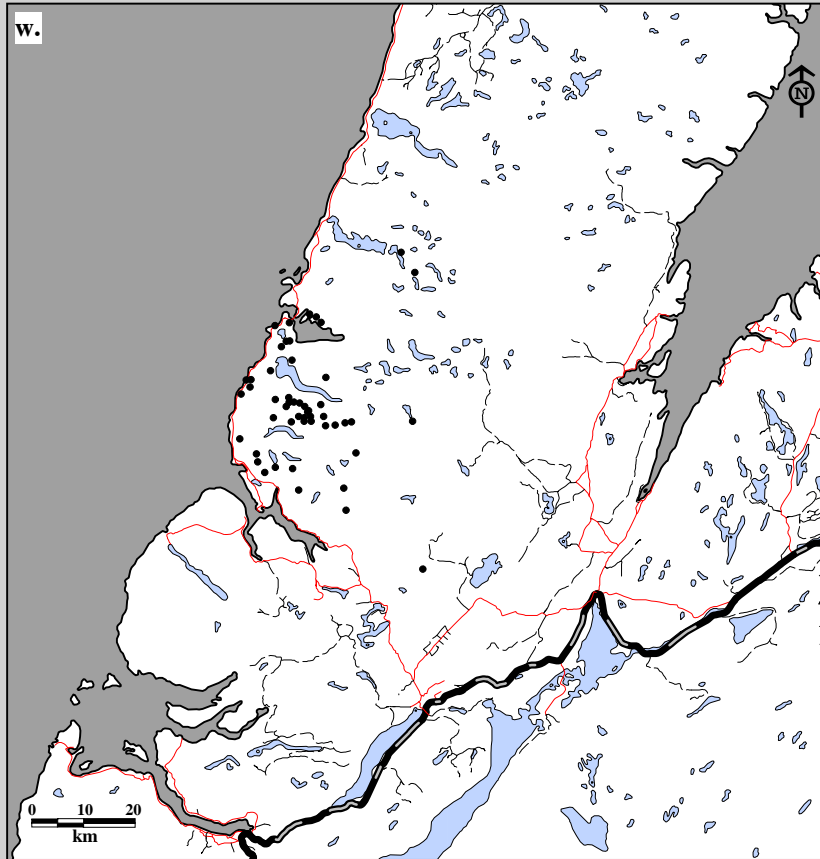
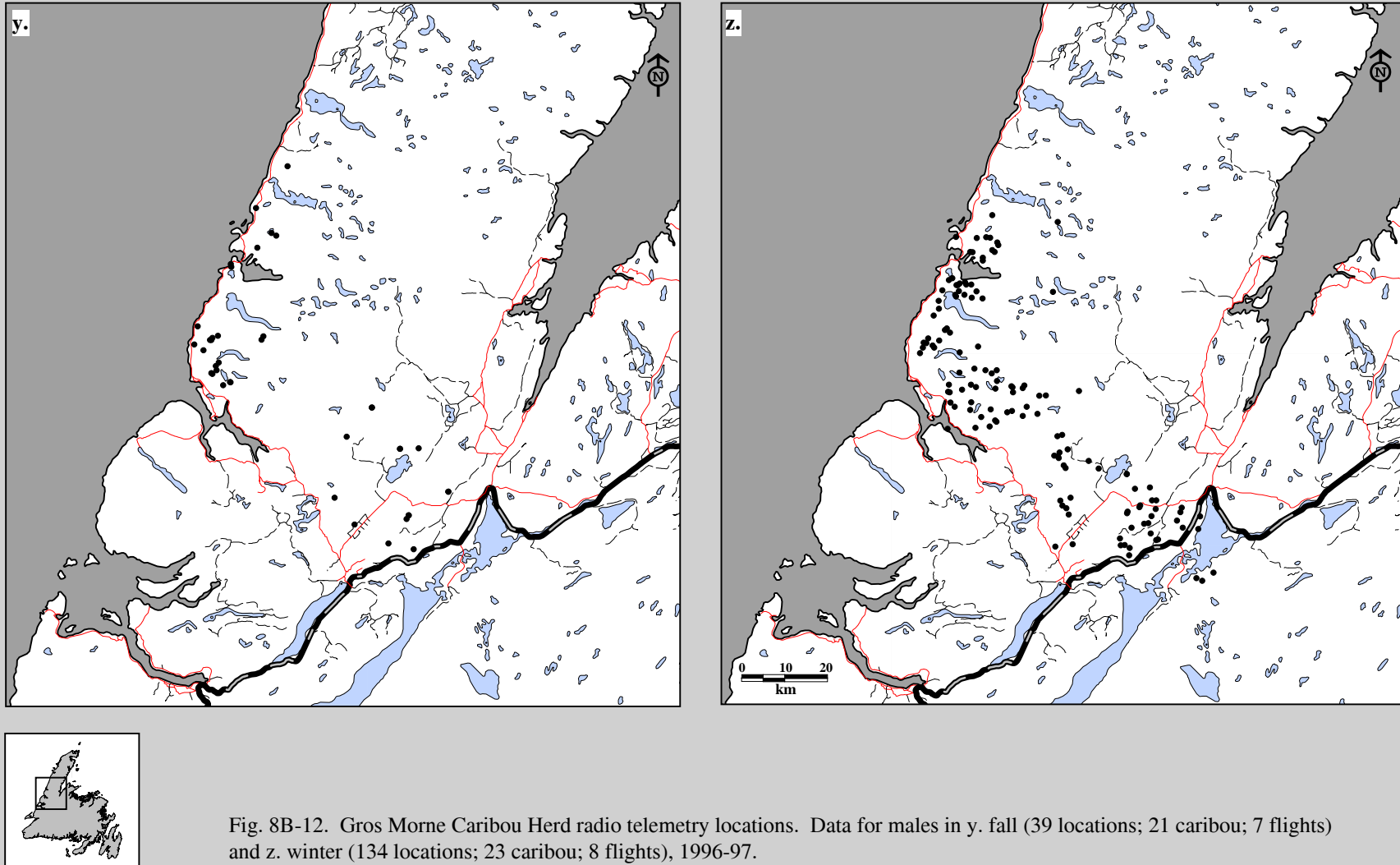


Fig. 8B-12. Gros Morne Caribou Herd radio telemetry locations. Data for males in w. spring (51 locations; 28 caribou; 9 flights) and x. summer (76 locations; 23 caribou; 12 flights), 1996-97.



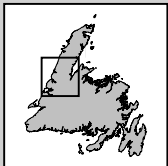
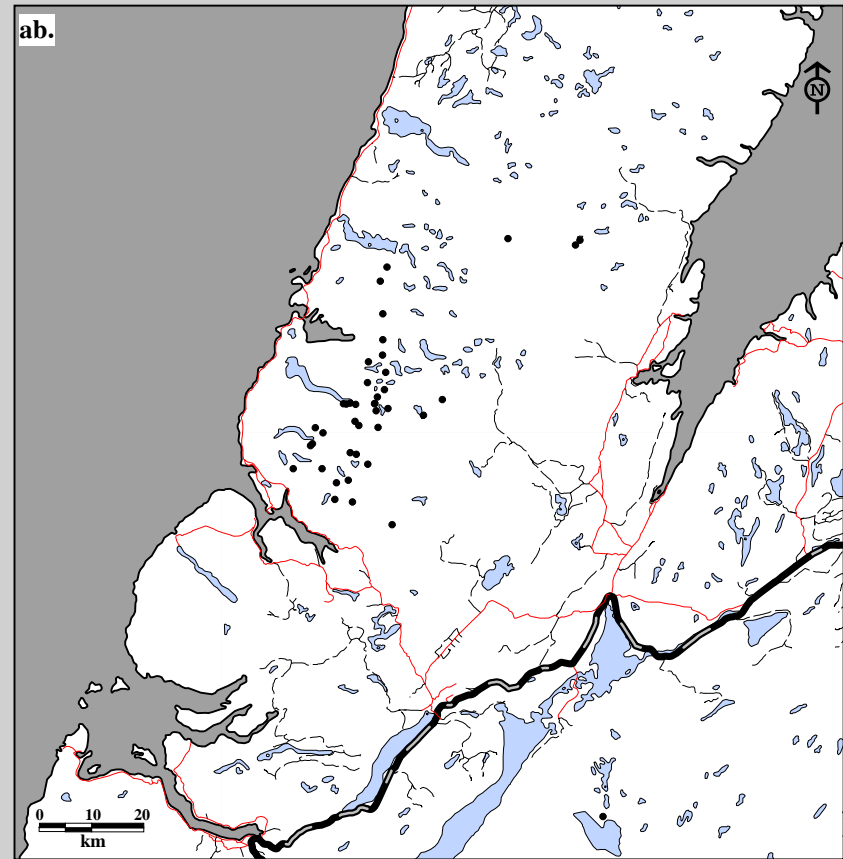
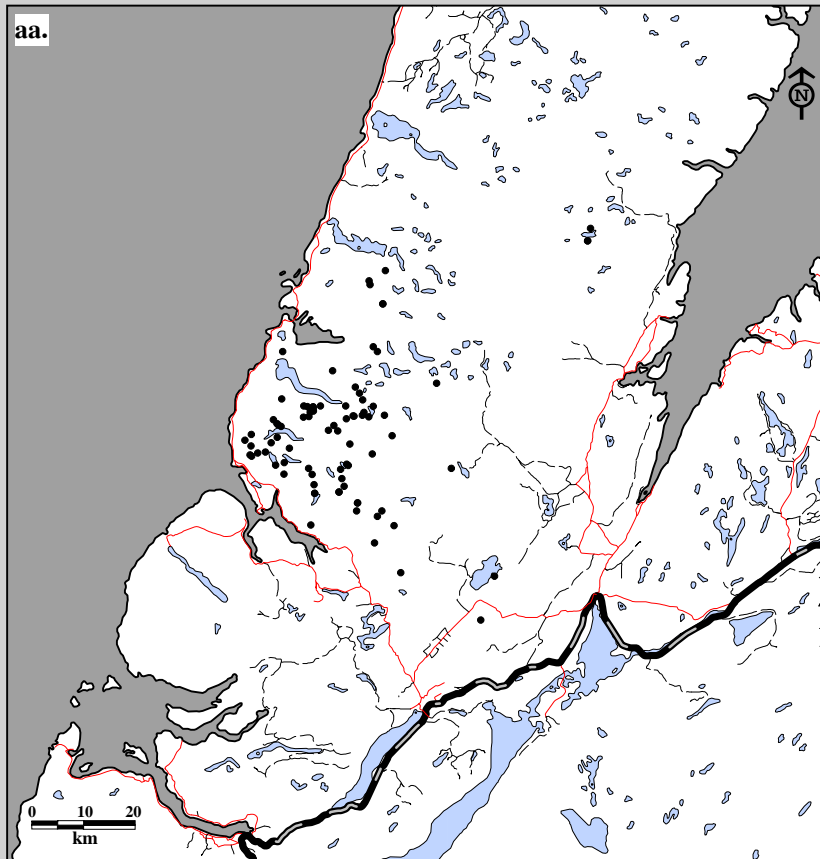


Fig. 8B-12. Gros Morne Caribou Herd radio telemetry locations. Data for females in aa. spring (84 locations; 23 caribou; 11 flights) and ab. summer (41 locations; 16 caribou; 3 flights), 1997-98.

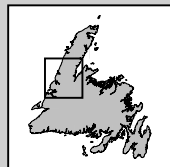
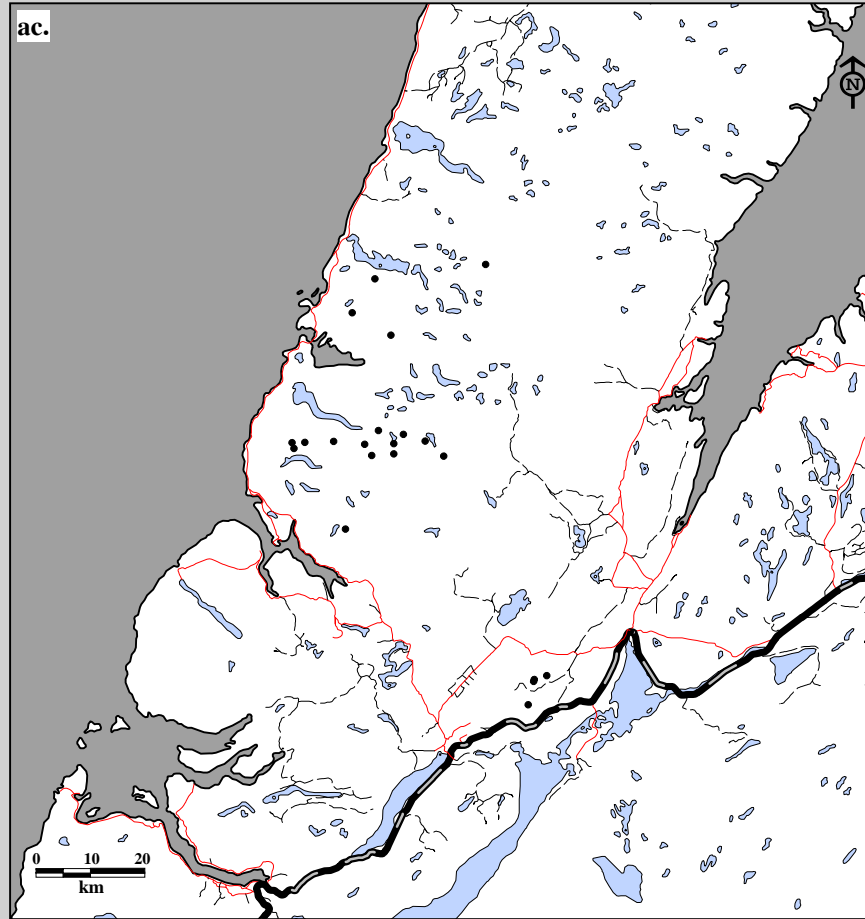


Fig. 8B-12. Gros Morne Caribou Herd radio telemetry locations. Data for females in ac. fall (21 locations; 13 caribou; 3 flights), 1997-98.

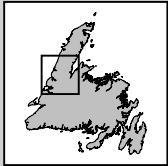
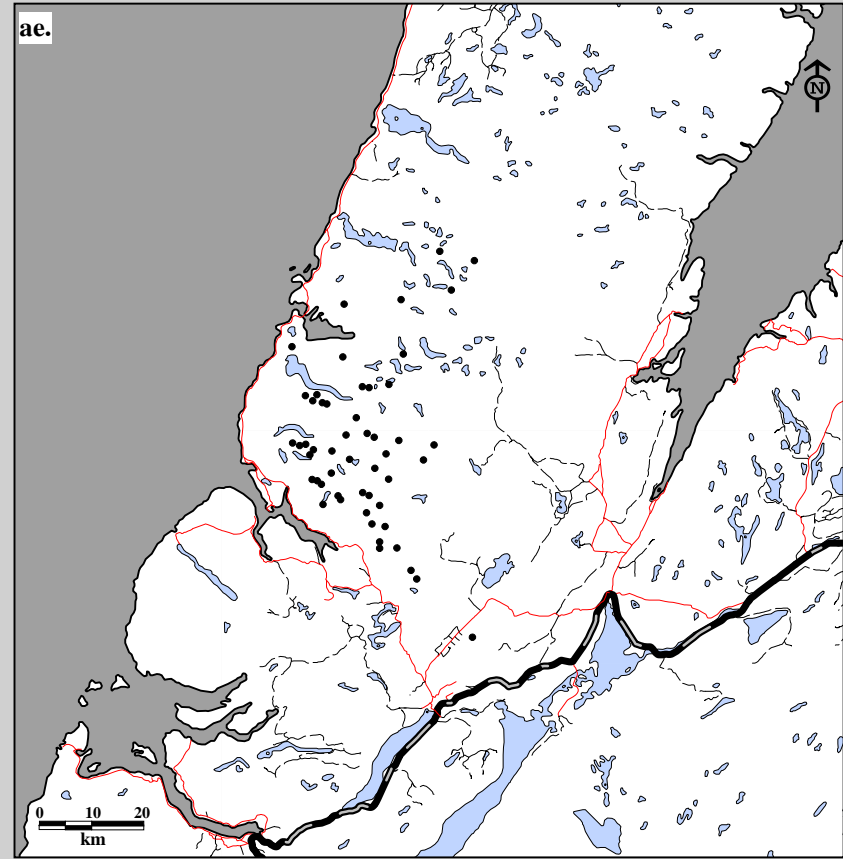
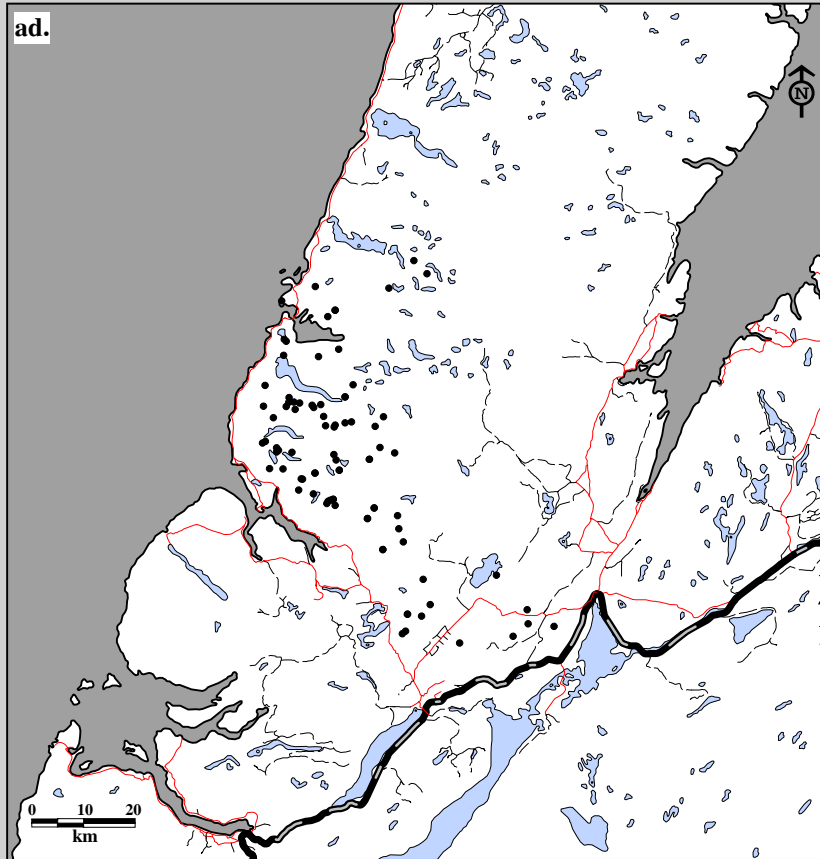


Fig. 8B-12. Gros Morne Caribou Herd radio telemetry locations. Data for males in ad. spring (88 locations; 26 caribou; 11 flights) and ae. summer (52 locations; 18 caribou; 3 flights), 1997-98.

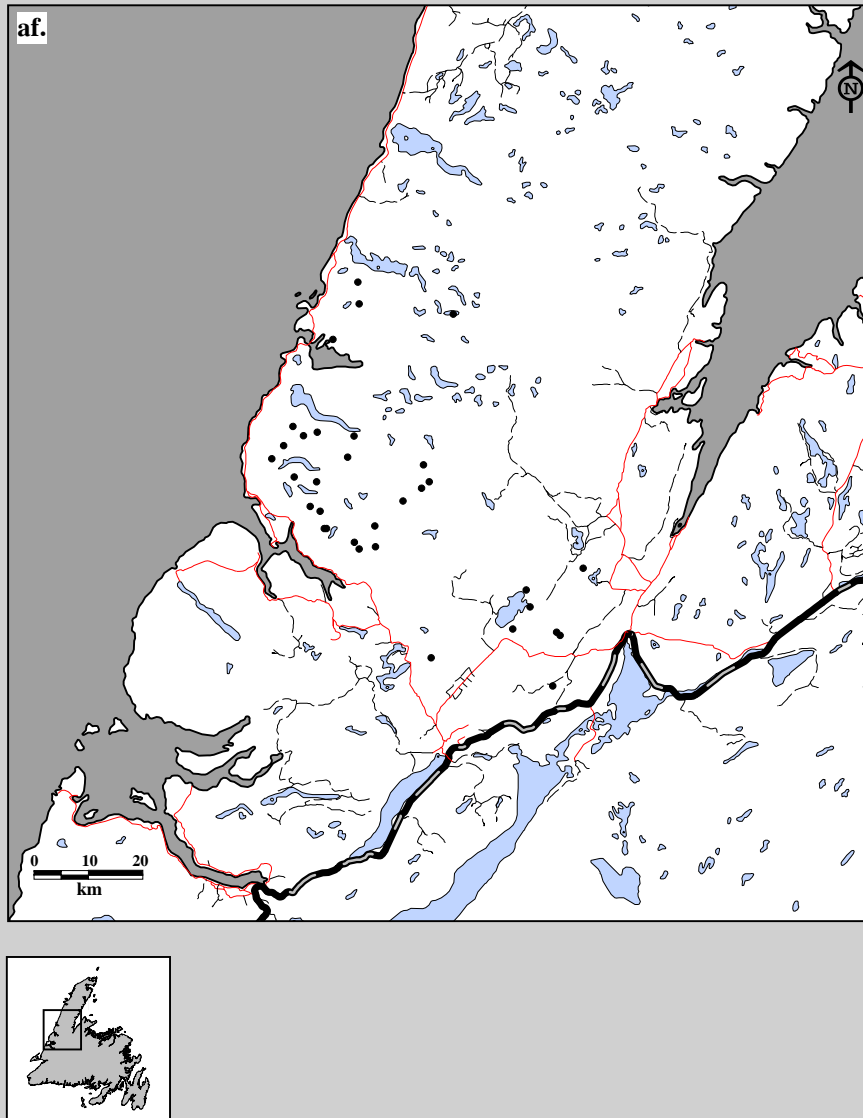


Fig. 8B-12. Gros Morne Caribou Herd radio telemetry locations. Data for males in af. fall (33 locations; 19 caribou; 3 flights), 1997-98.

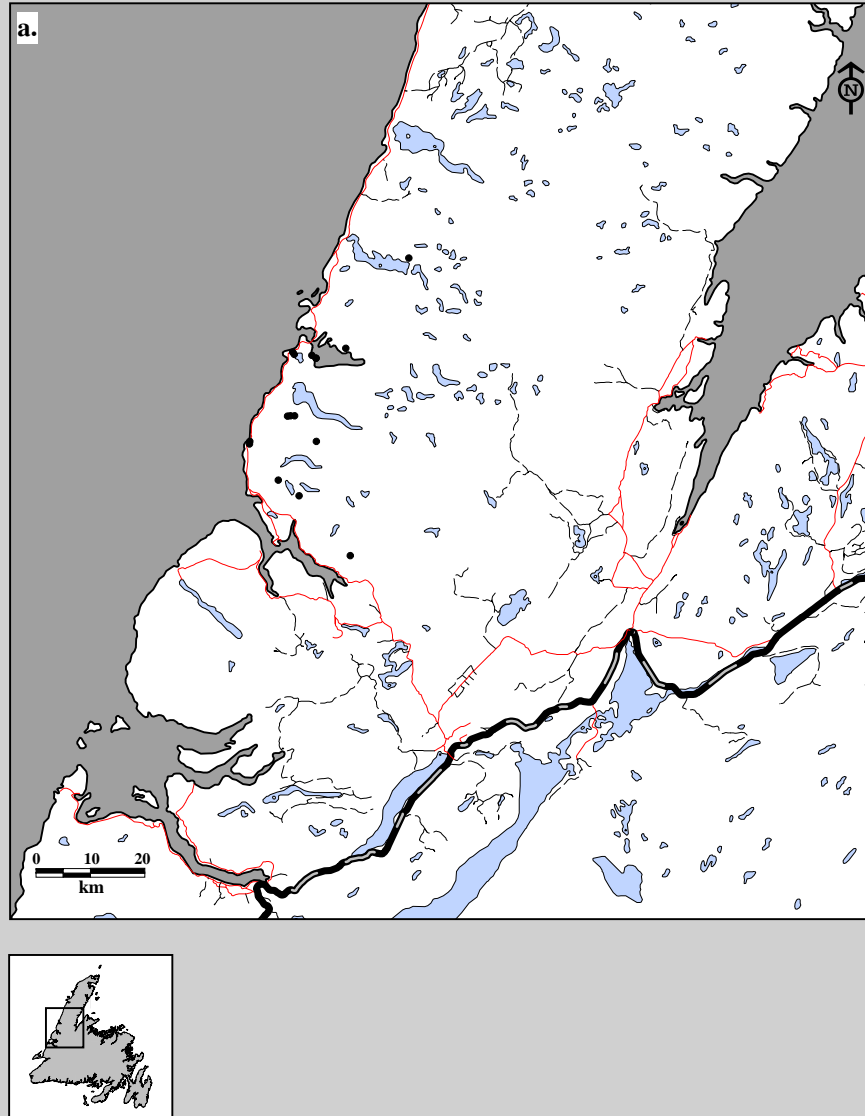


Fig. 8B-13. Gros Morne Caribou Herd radio telemetry locations. Data for a. adults (16 locations; 12 caribou; 3 flights) in winter, 1992-93.

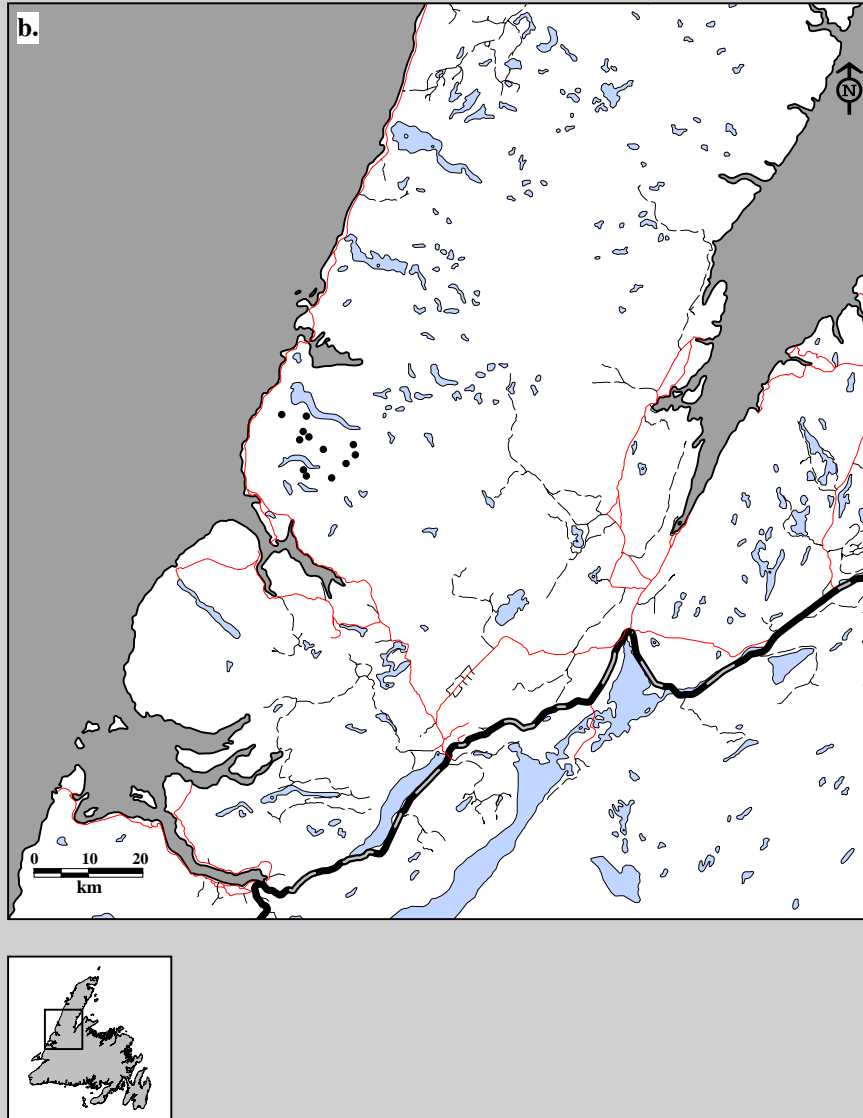


Fig. 8B-13. Gros Morne Caribou Herd radio telemetry locations. Data for b. adults (12 locations; 11 caribou; 4 flights) in spring, 1993-94.



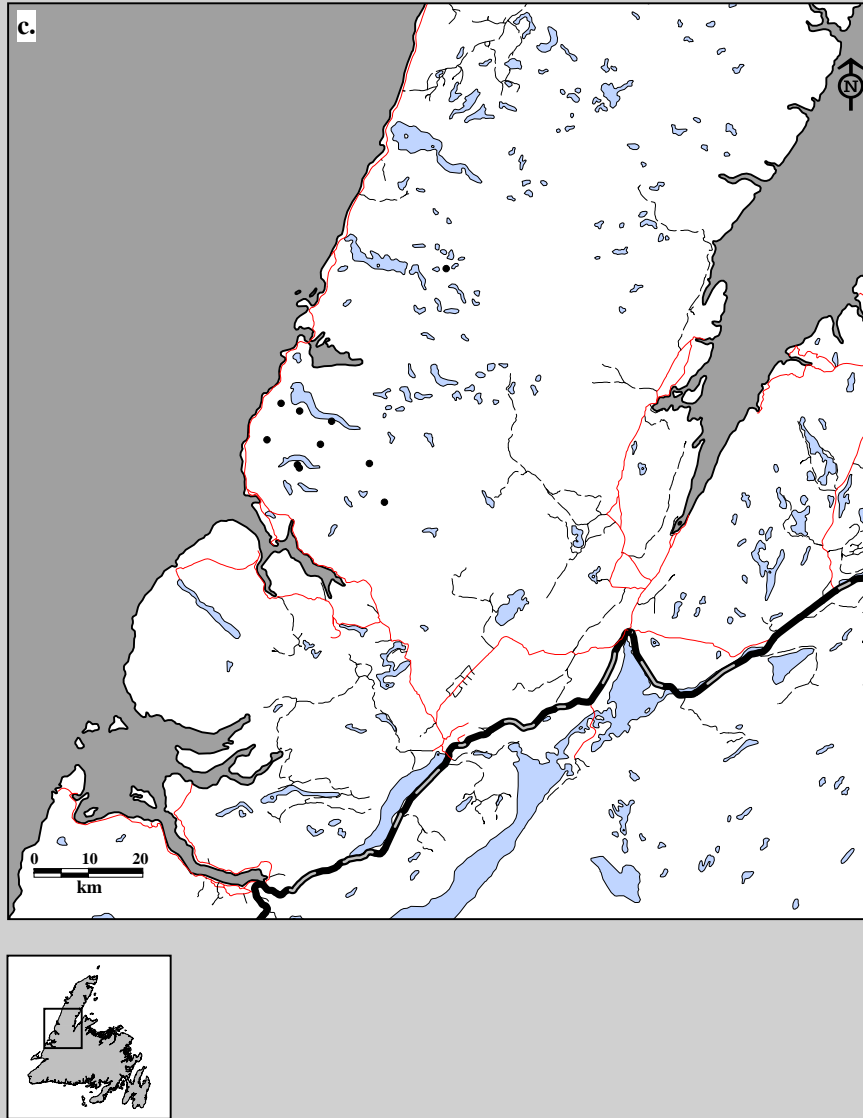


Fig. 8B-13. Gros Morne Caribou Herd radio telemetry locations. Data for c. adults (10 locations; 10 caribou; 7 flights) in spring, 1994-95.

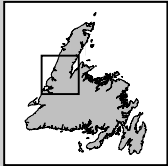
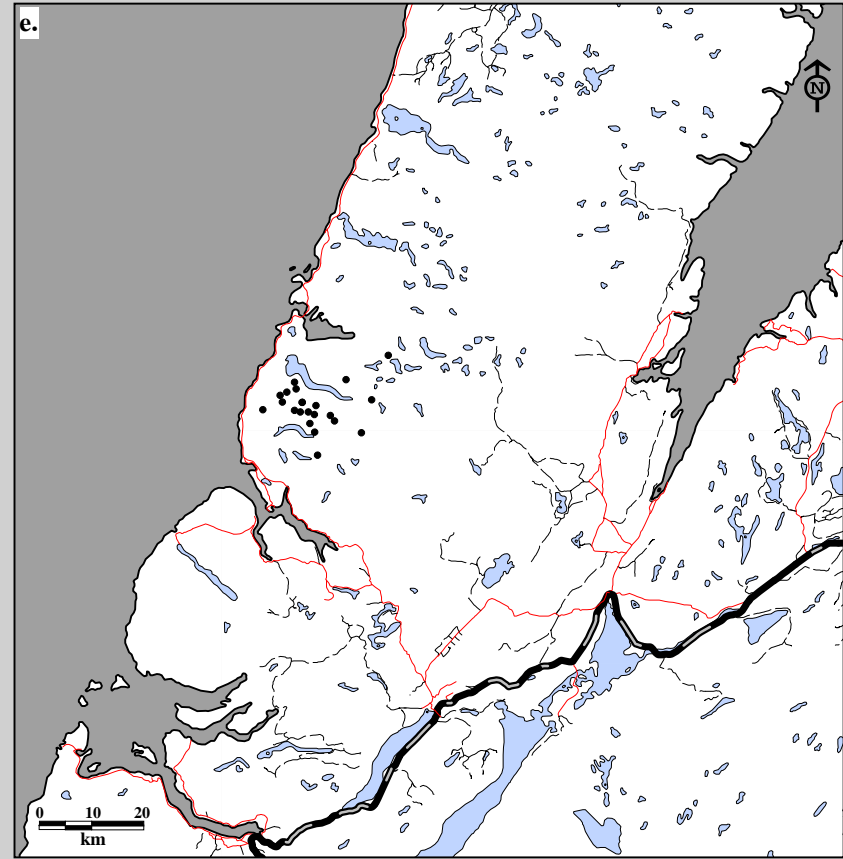
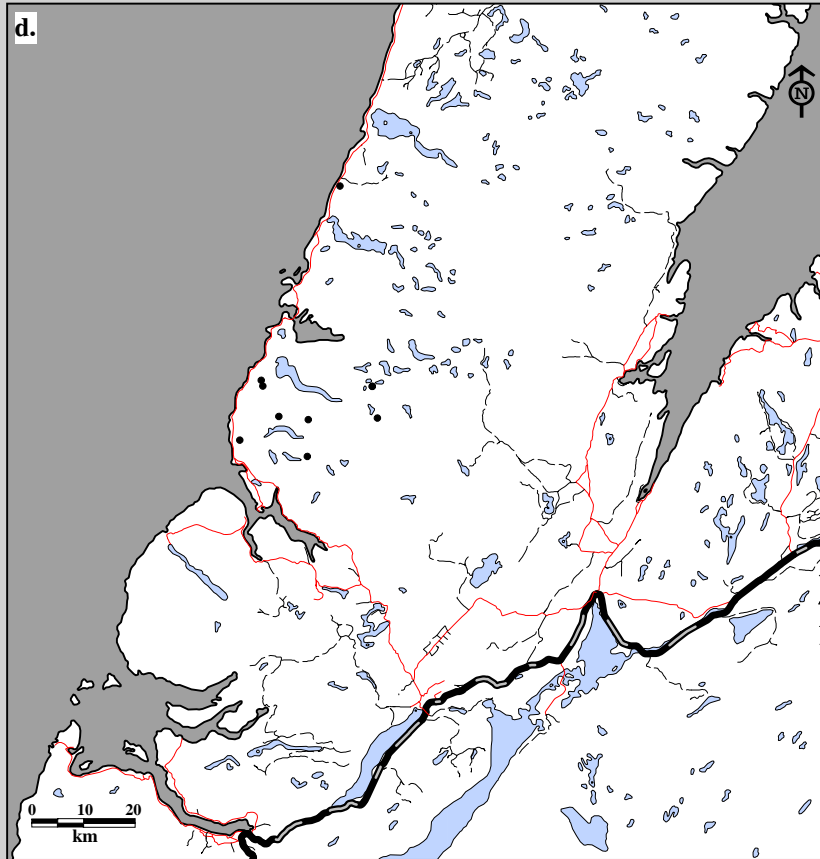


Fig. 8B-13. Gros Morne Caribou Herd radio telemetry locations. Data for d. yearlings (10 locations; 10 caribou; 7 flights) and e. calves (22 locations; 19 caribou; 7 flights) in spring, 1994-95.

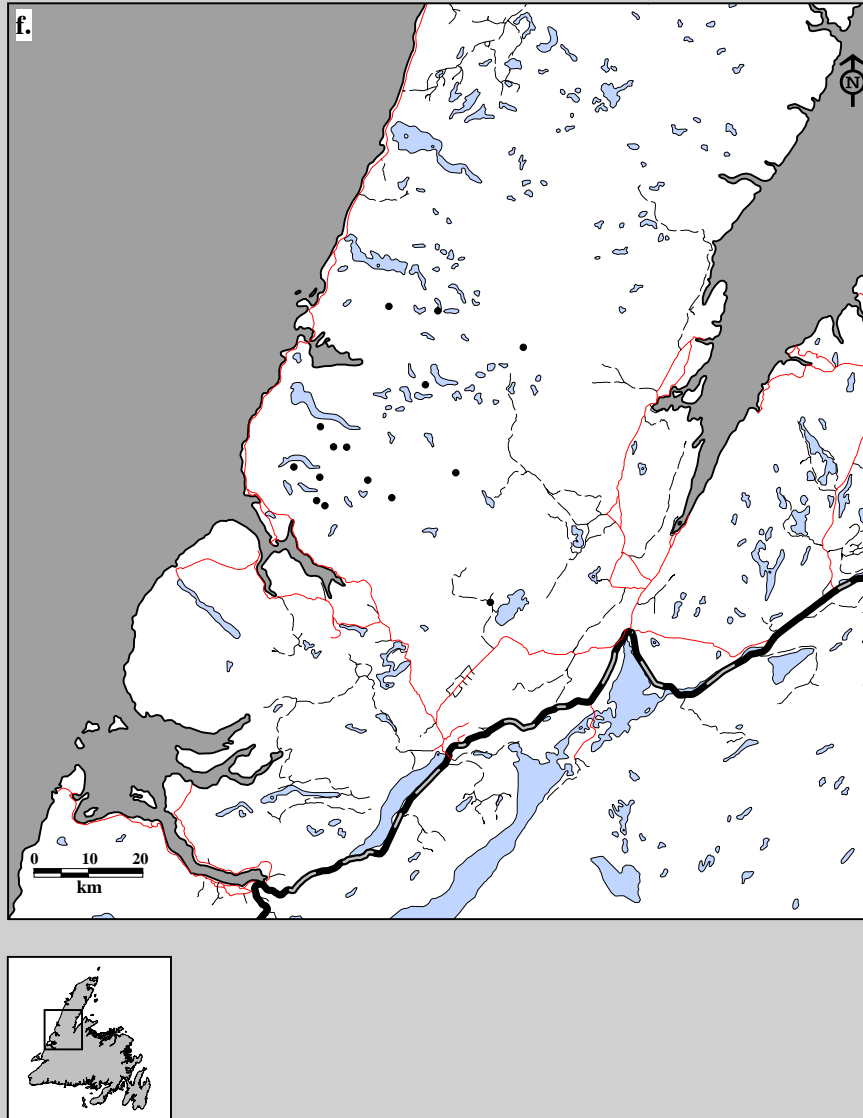
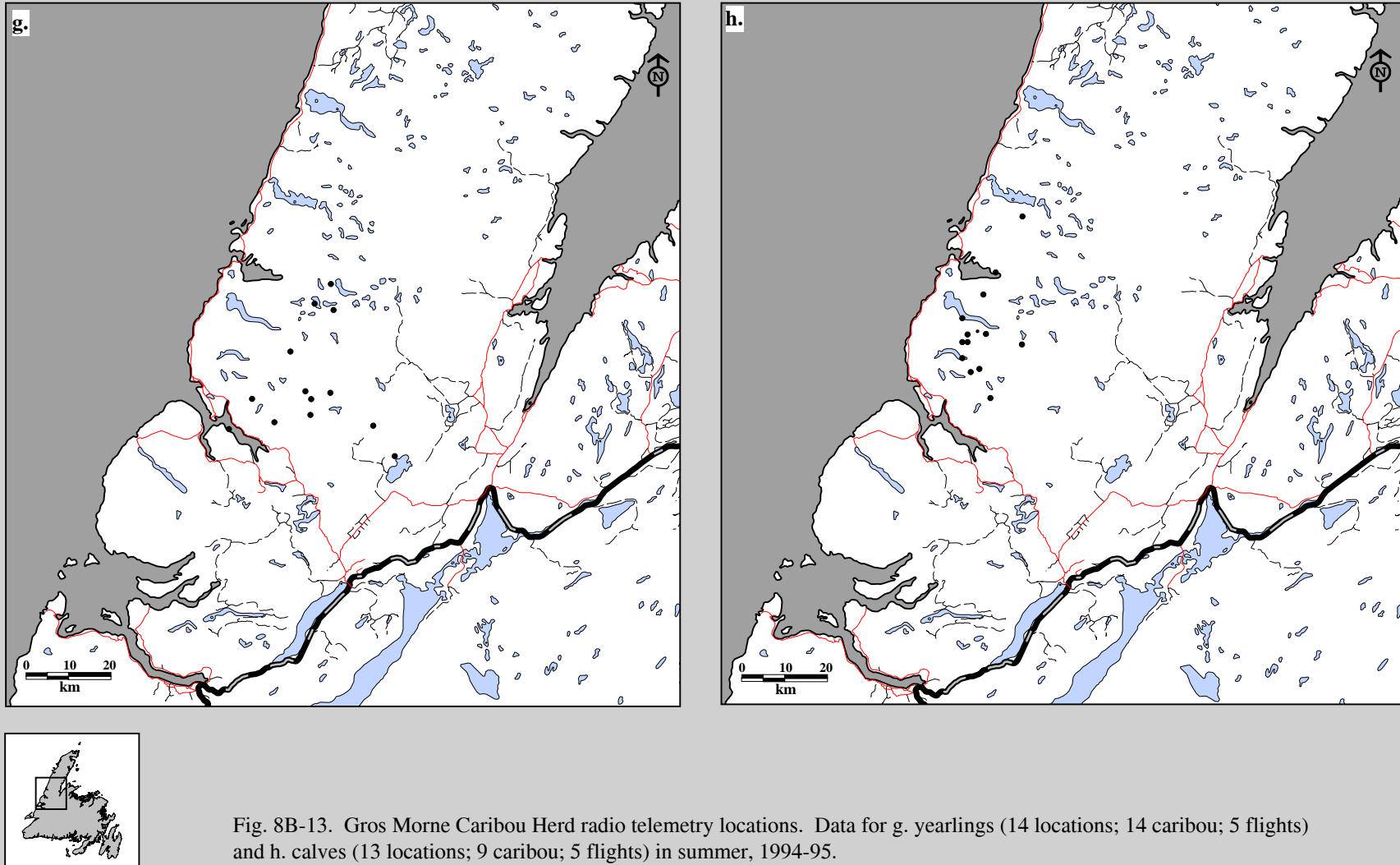


Fig. 8B-13. Gros Morne Caribou Herd radio telemetry locations. Data for f. adults (15 locations; 15 caribou; 5 flights) in summer, 1994-95.



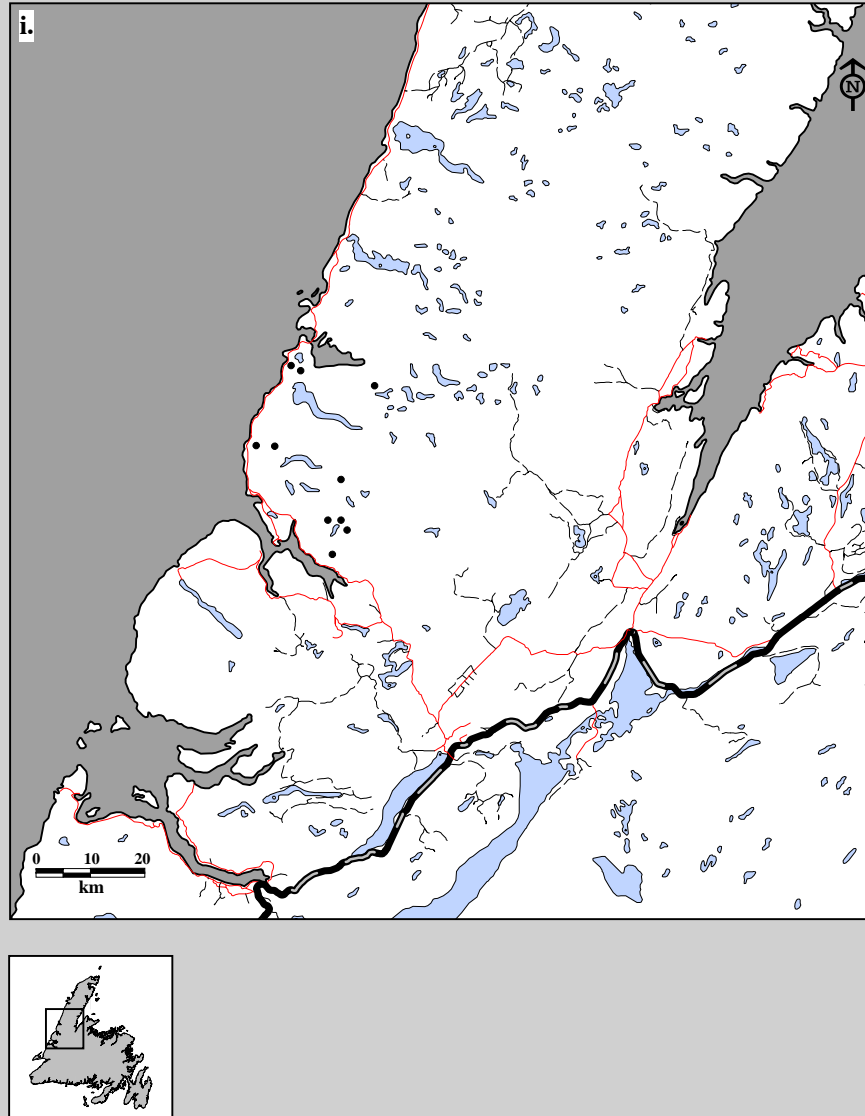


Fig. 8B-13. Gros Morne Caribou Herd radio telemetry locations. Data for i. calves (10 locations; 10 caribou; 2 flights) in fall, 1994-95.

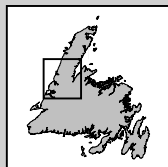
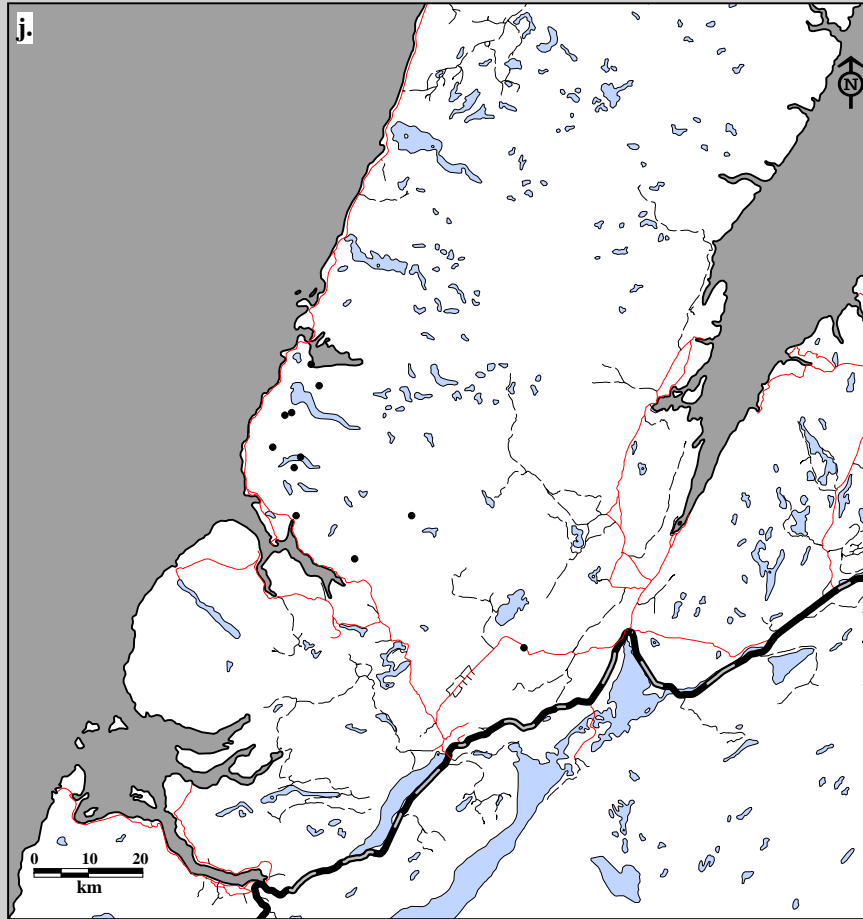


Fig. 8B-13. Gros Morne Caribou Herd radio telemetry locations. Data for j. adults (10 locations; 10 caribou; 7 flights) in winter, 1994-95.

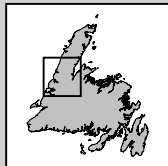
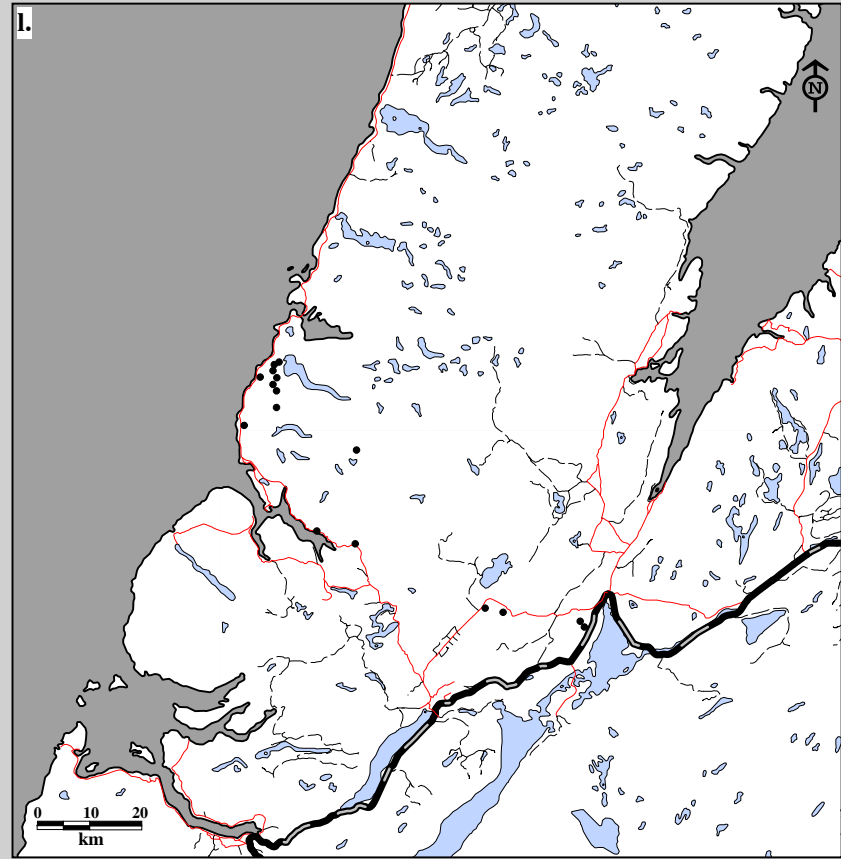
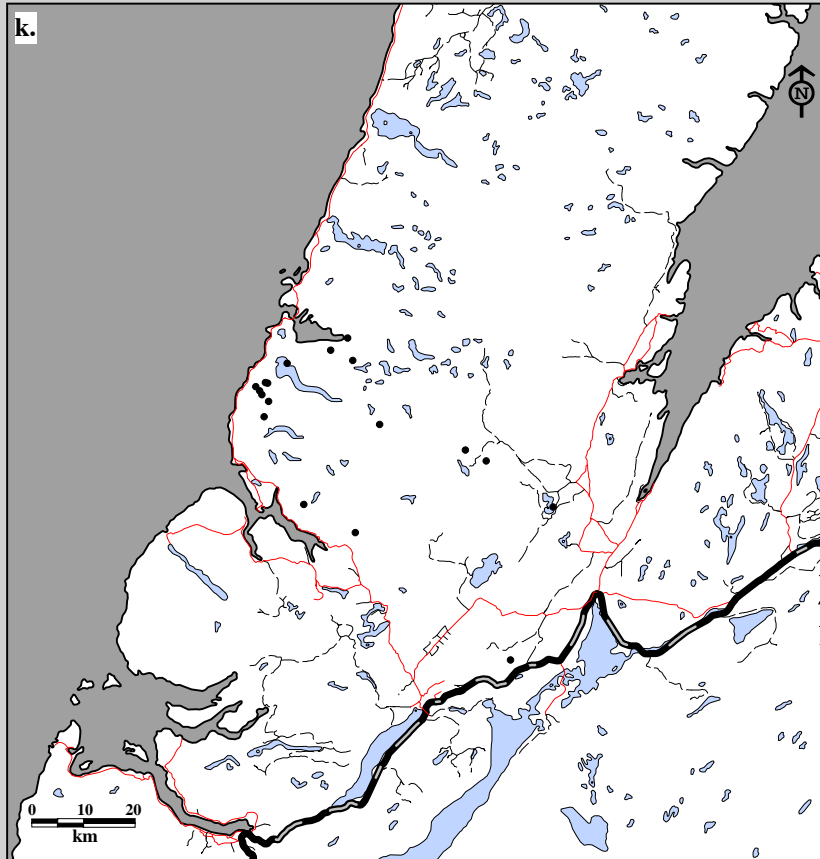


Fig. 8B-13. Gros Morne Caribou Herd radio telemetry locations. Data for k. yearlings (18 locations; 9 caribou; 7 flights) and l. calves (16 locations; 9 caribou; 7 flights) in winter, 1994-95.

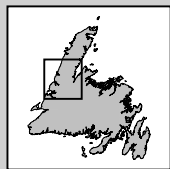
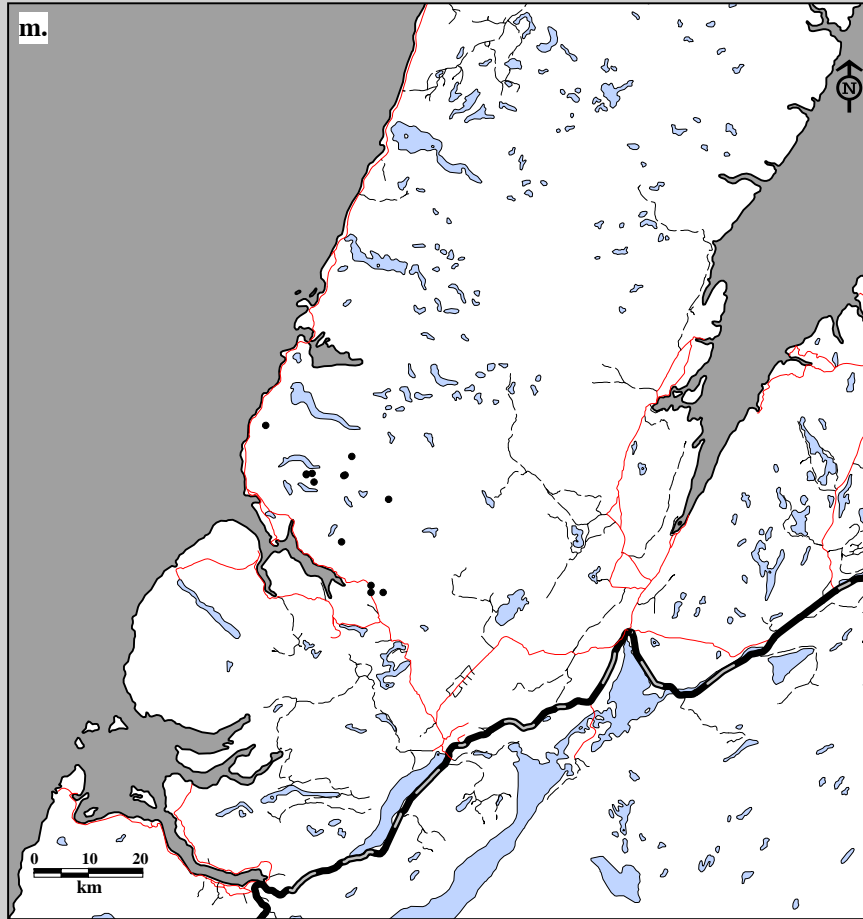


Fig. 8B-13. Gros Morne Caribou Herd radio telemetry locations. Data for m. adults (13 locations; 6 caribou; 8 flights) in spring, 1995-96.



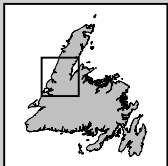
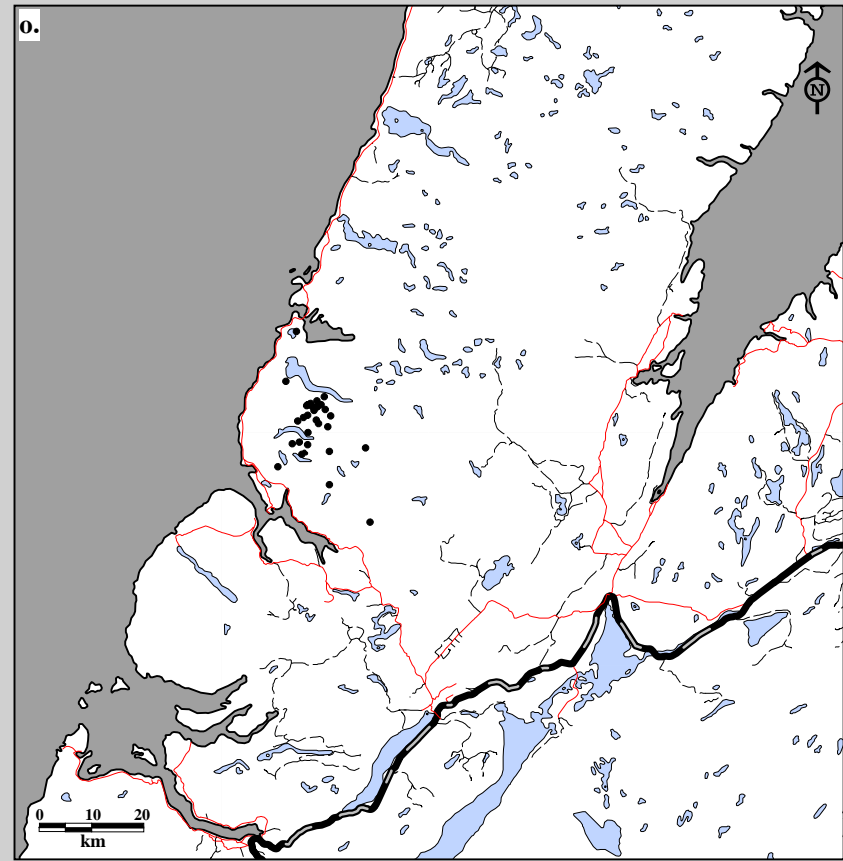
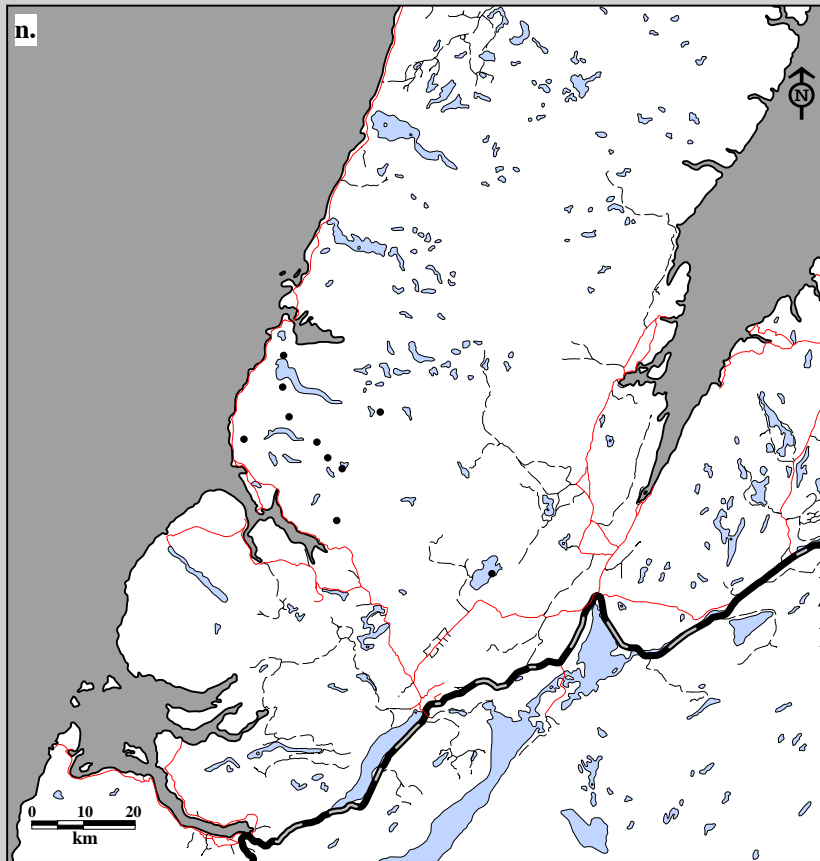


Fig. 8B-13. Gros Morne Caribou Herd radio telemetry locations. Data for n. yearlings (10 locations; 10 caribou; 8 flights) and o. calves (34 locations; 26 caribou; 8 flights) in spring, 1995-96.

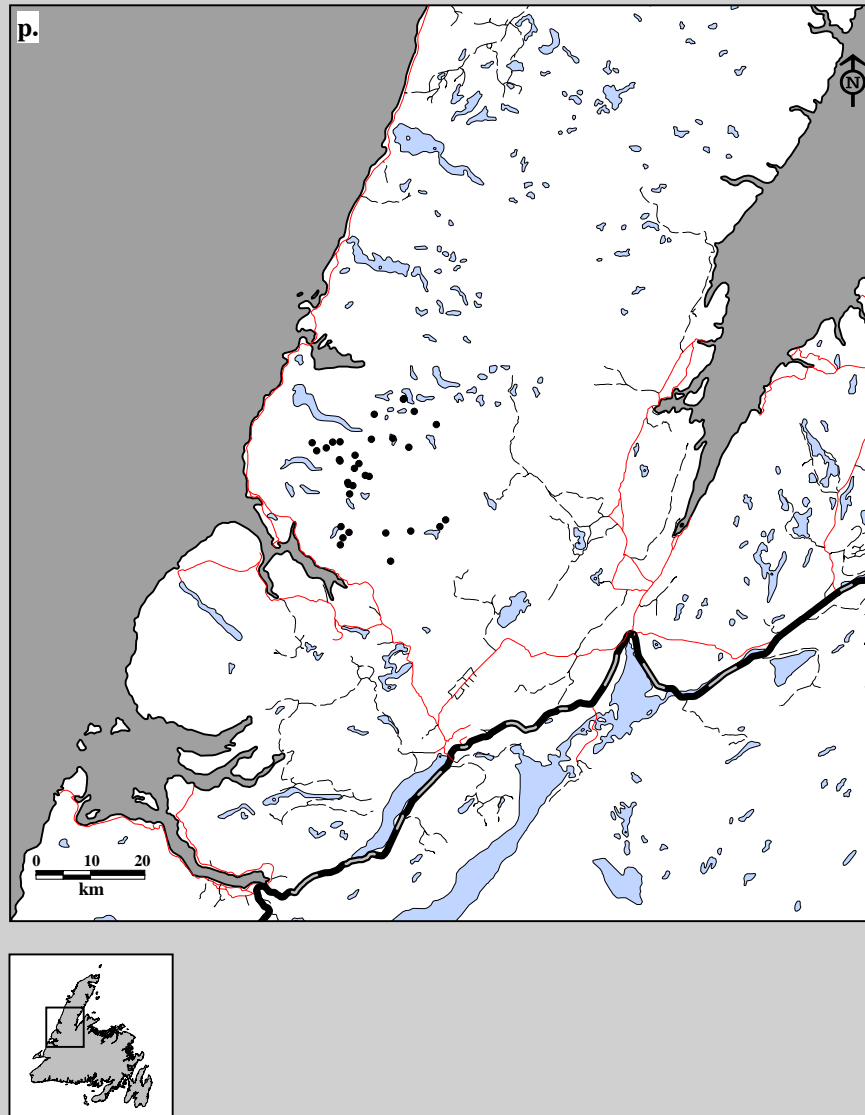
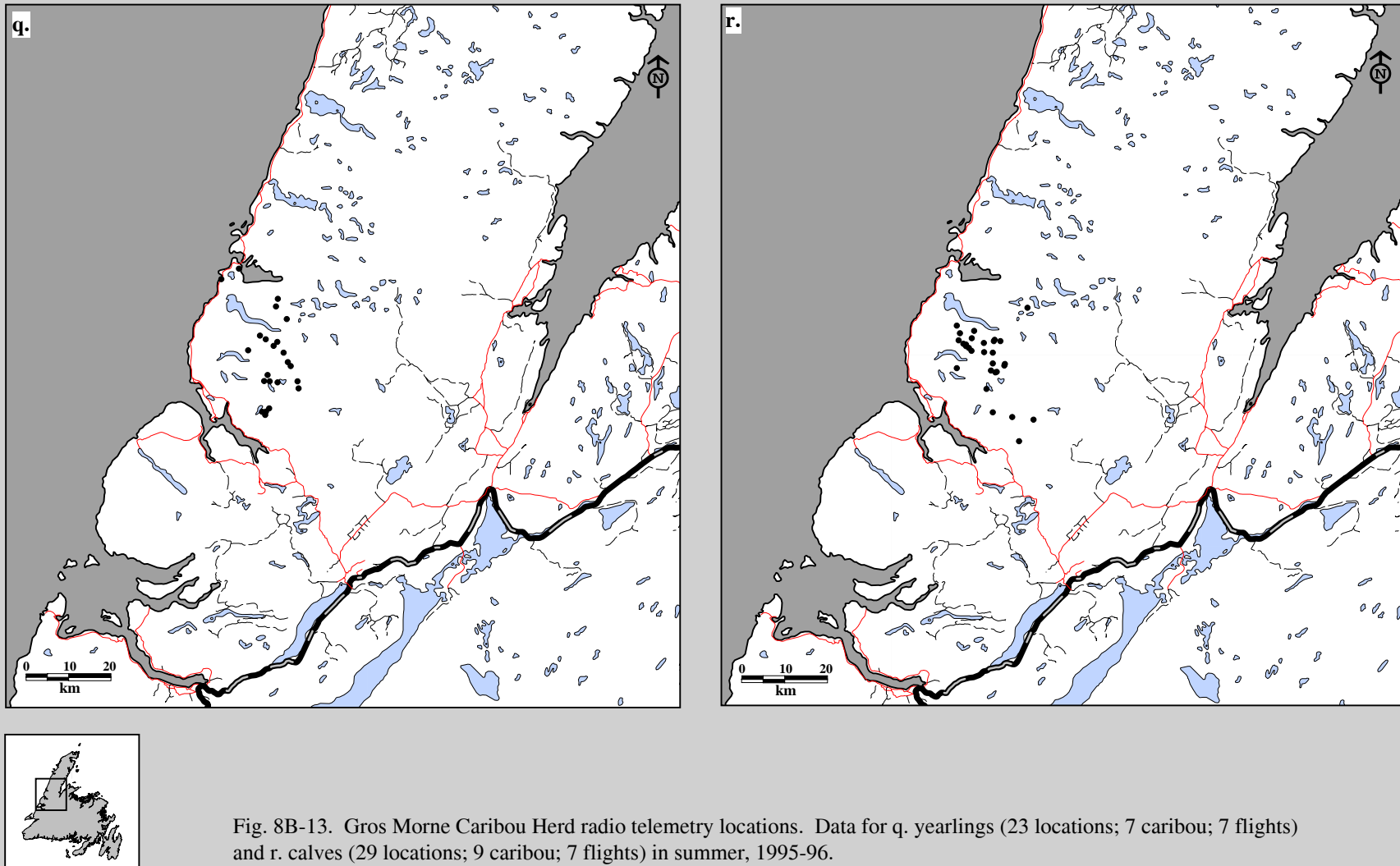


Fig. 8B-13. Gros Morne Caribou Herd radio telemetry locations. Data for p. two-year olds (33 locations; 9 caribou; 7 flights) in summer, 1995-96.



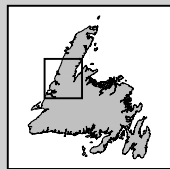
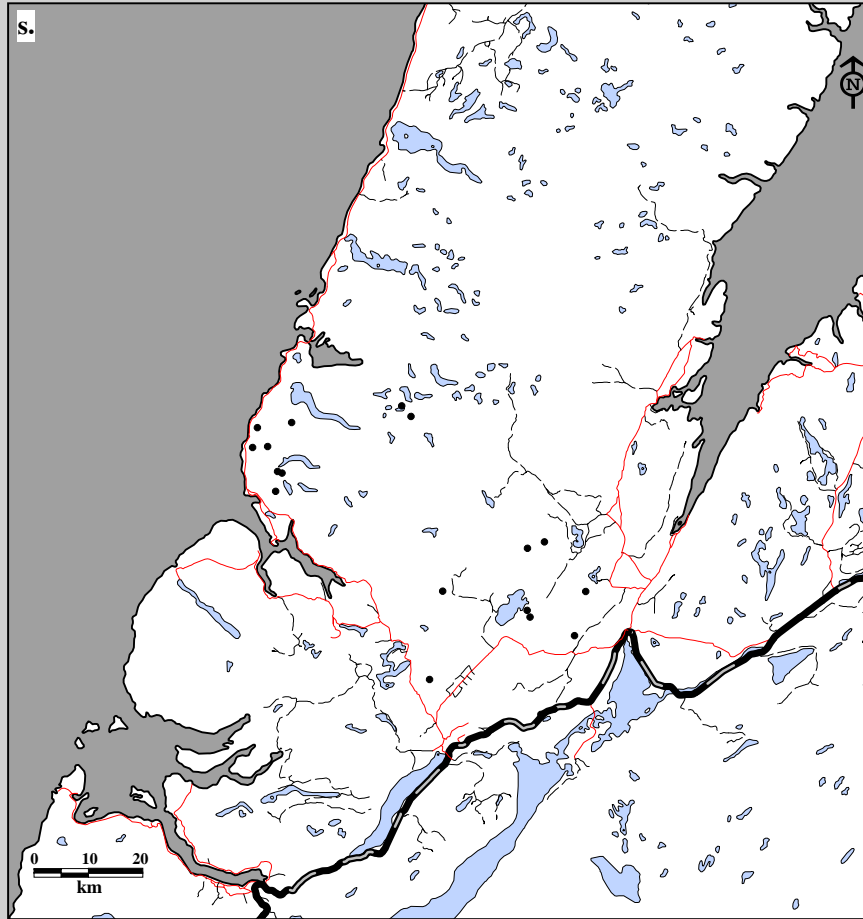


Fig. 8B-13. Gros Morne Caribou Herd radio telemetry locations. Data for s. two-year olds (18 locations; 9 caribou; 5 flights) in fall, 1995-96.

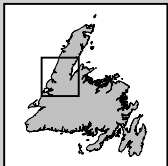
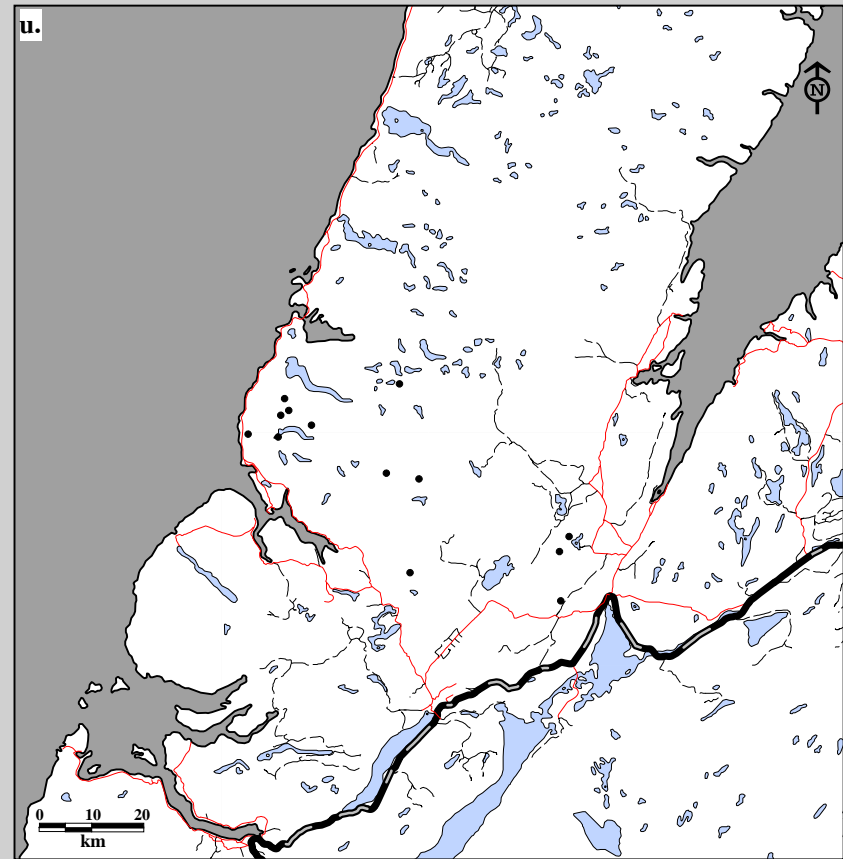
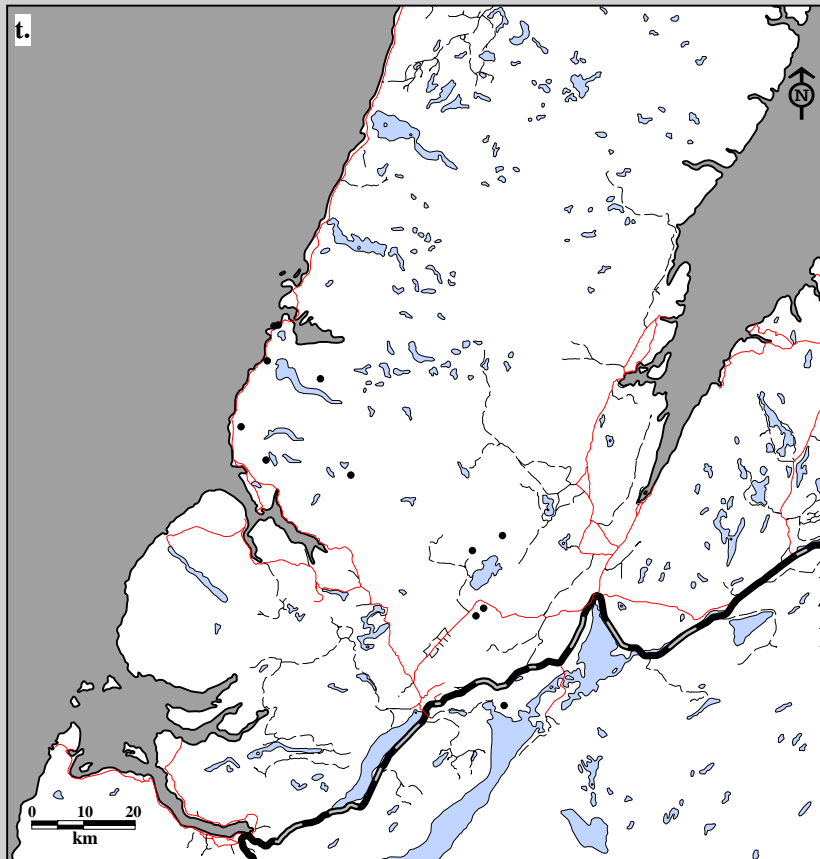
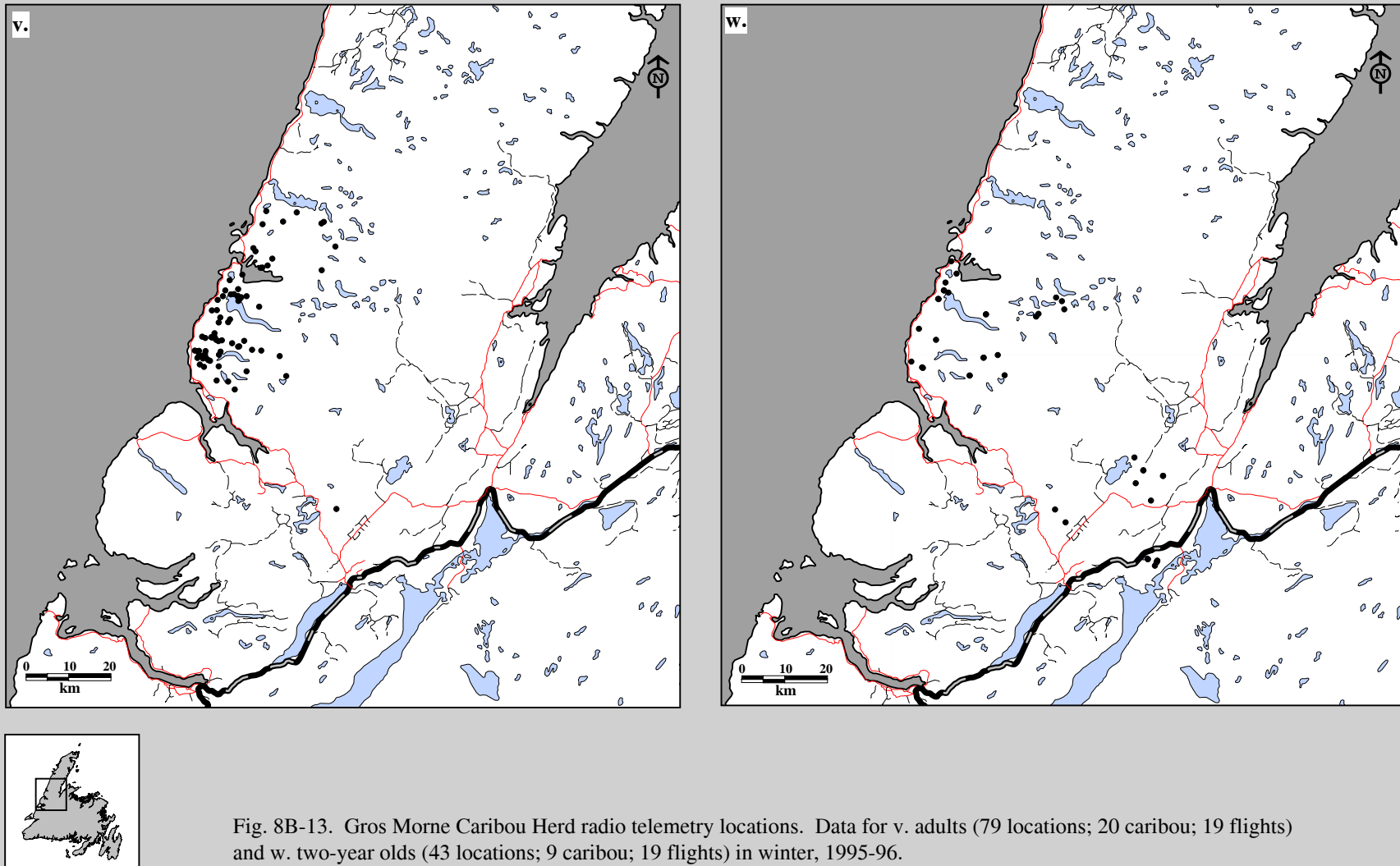


Fig. 8B-13. Gros Morne Caribou Herd radio telemetry locations. Data for t. yearlings (12 locations; 6 caribou; 5 flights) and u. calves (13 locations; 8 caribou; 5 flights) in fall, 1995-96.



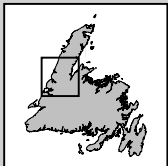
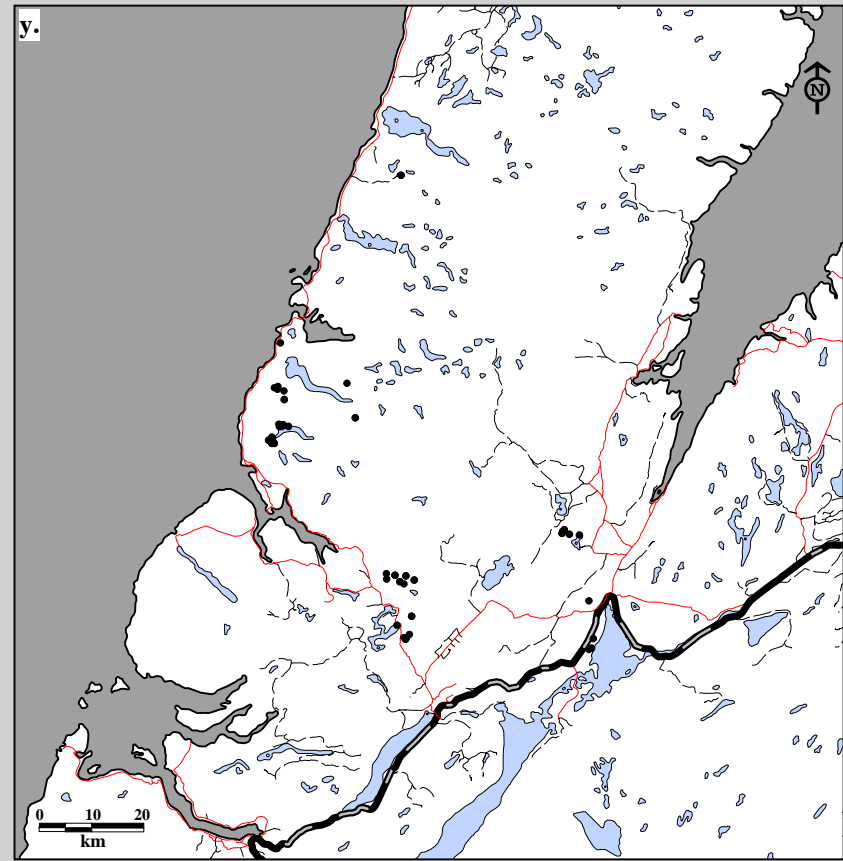
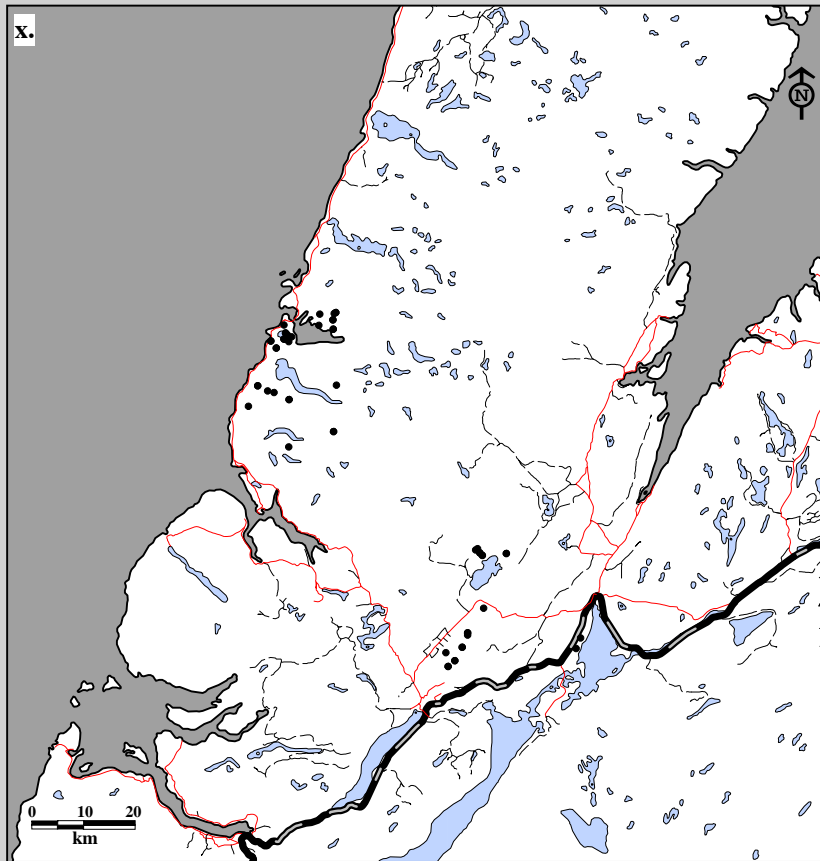


Fig. 8B-13. Gros Morne Caribou Herd radio telemetry locations. Data for x. yearlings (58 locations; 8 caribou; 19 flights) and y. calves (67 locations; 8 caribou; 19 flights) in winter, 1995-96.

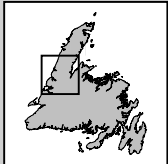
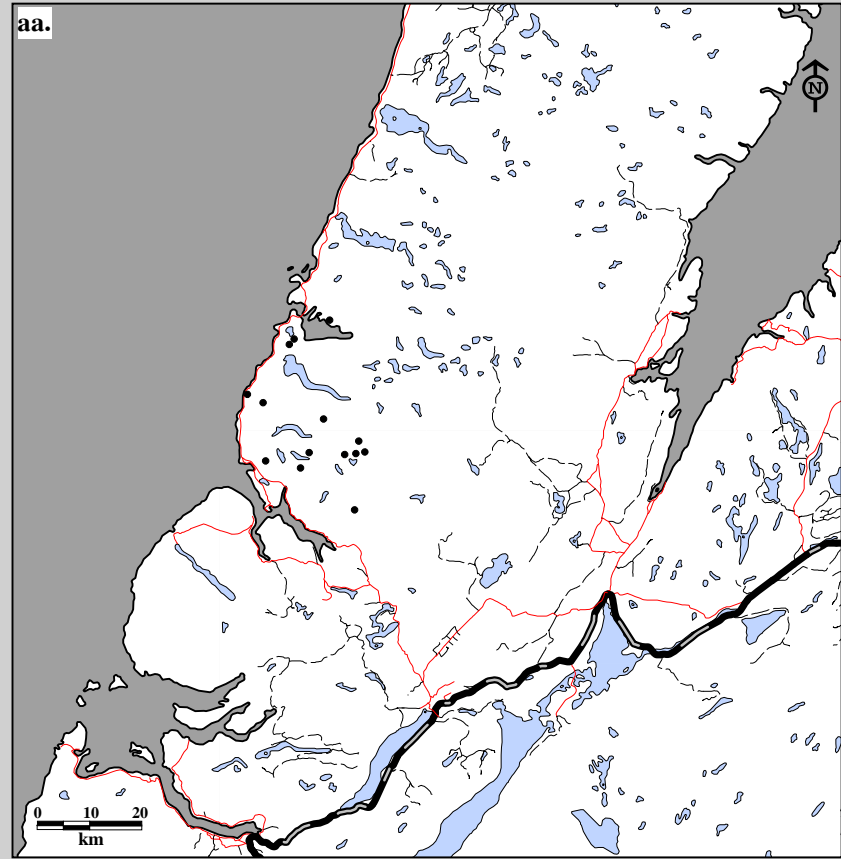
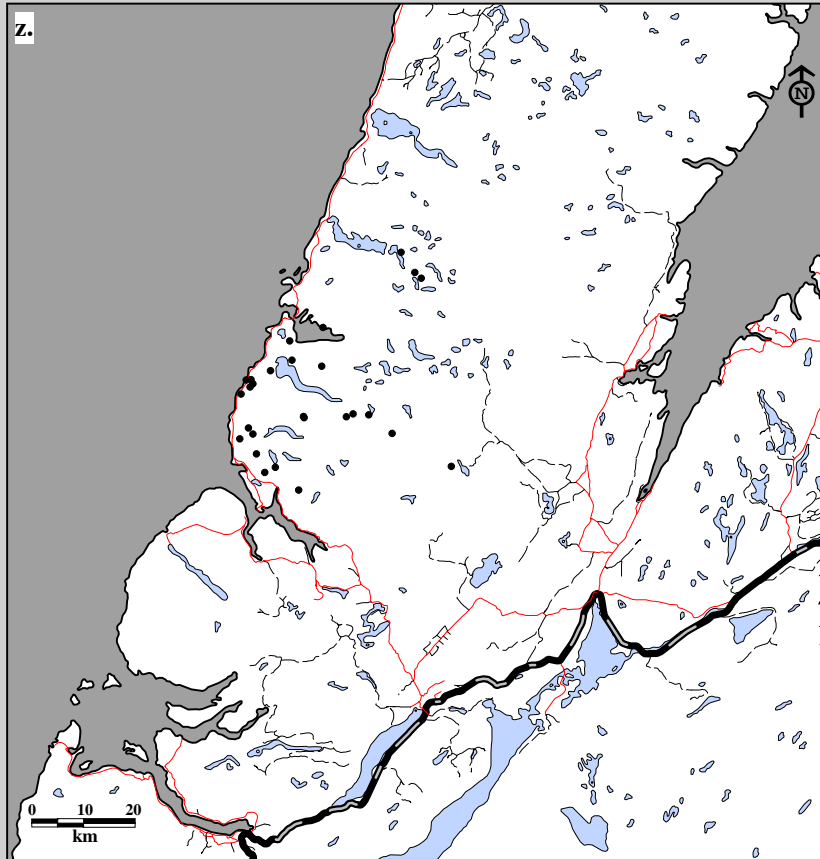


Fig. 8B-13. Gros Morne Caribou Herd radio telemetry locations. Data for z. adults (27 locations; 15 caribou; 9 flights) and aa. two-year olds (14 locations; 11 caribou; 9 flights) in spring, 1996-97.



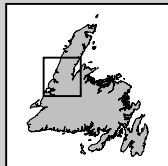
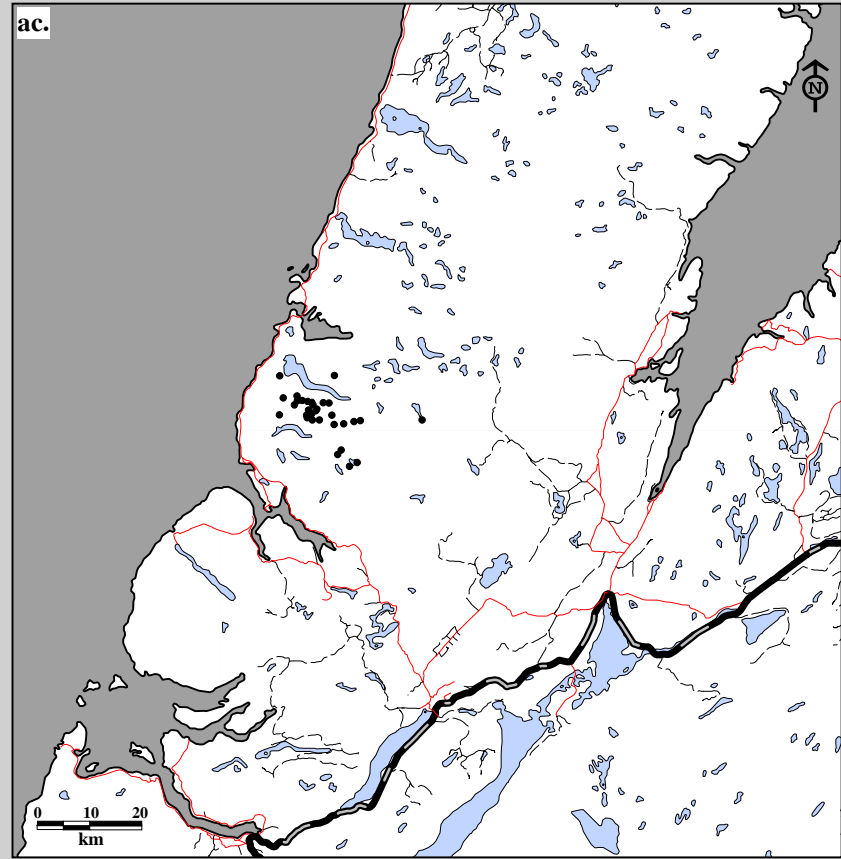
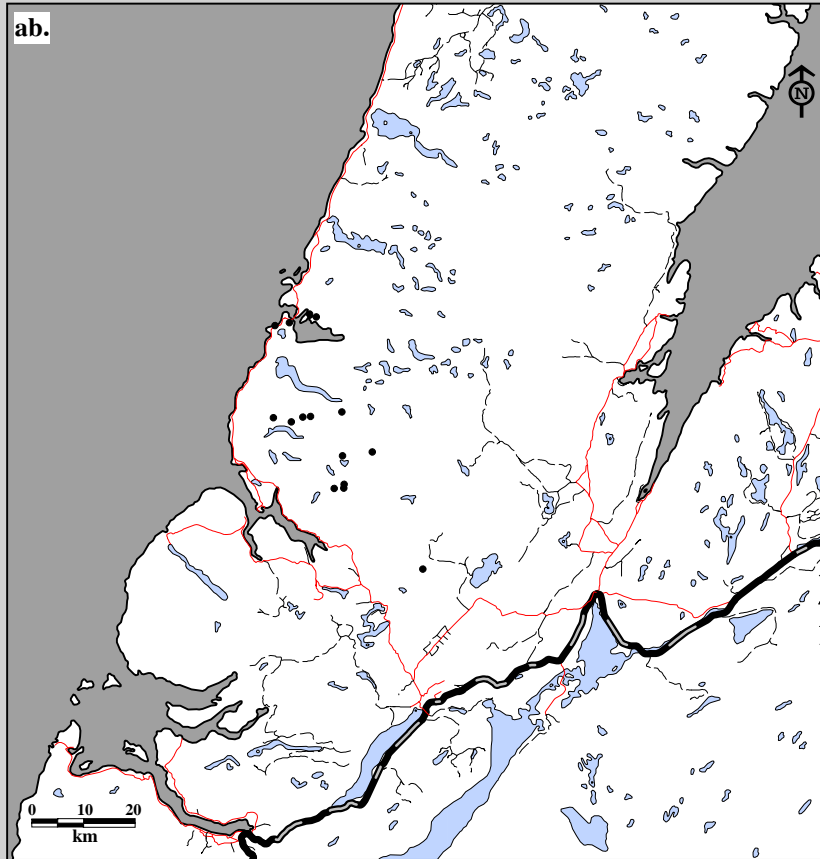
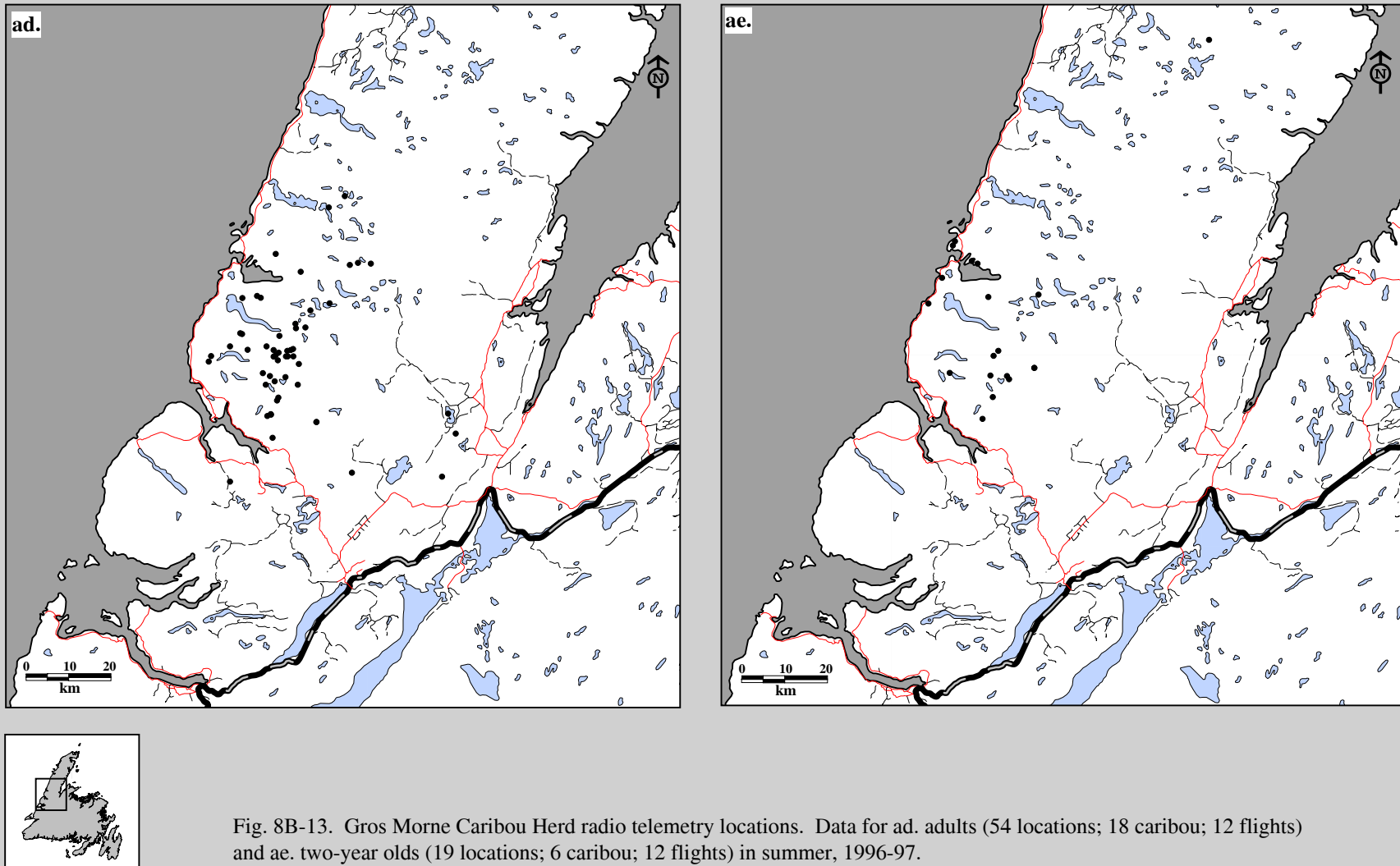


Fig. 8B-13. Gros Morne Caribou Herd radio telemetry locations. Data for ab. yearlings (15 locations; 11 caribou; 9 flights) and ac. calves (33 locations; 18 caribou; 9 flights) in spring, 1996-97.



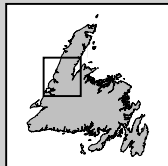
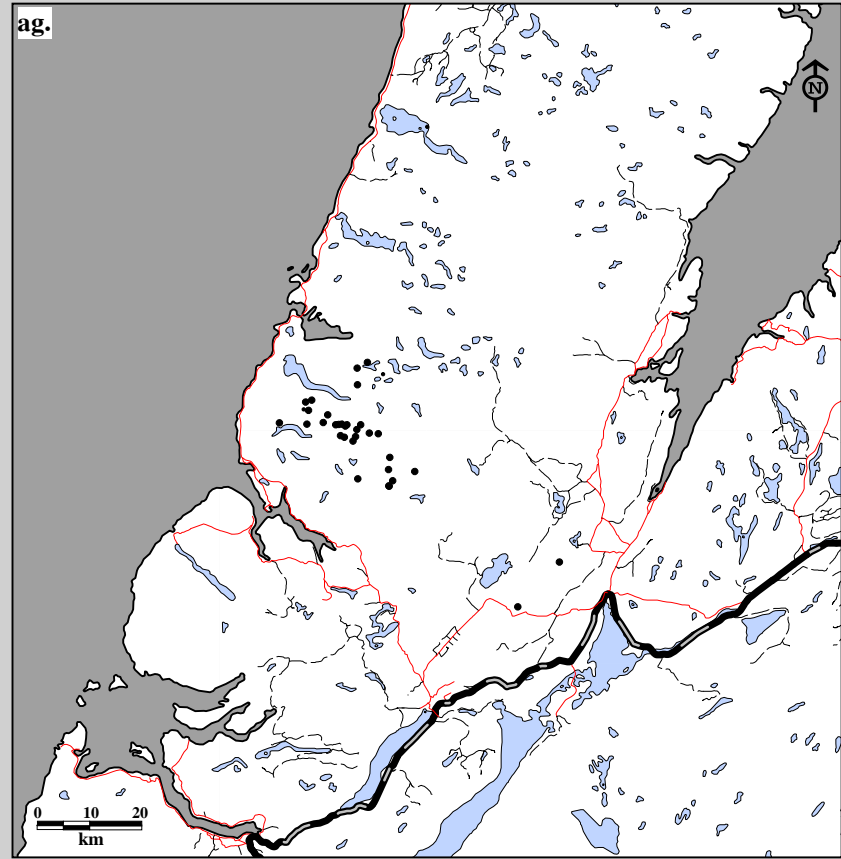
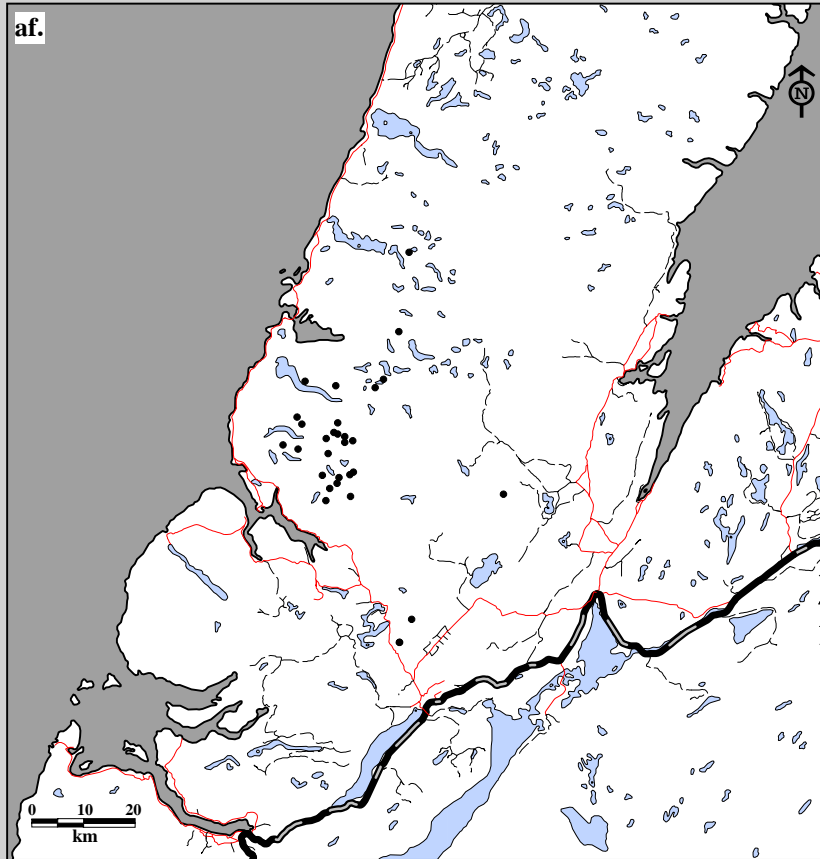


Fig. 8B-13. Gros Morne Caribou Herd radio telemetry locations. Data for af. yearlings (30 locations; 8 caribou; 12 flights) and ag. calves (35 locations; 11 caribou; 12 flights) in summer, 1996-97.

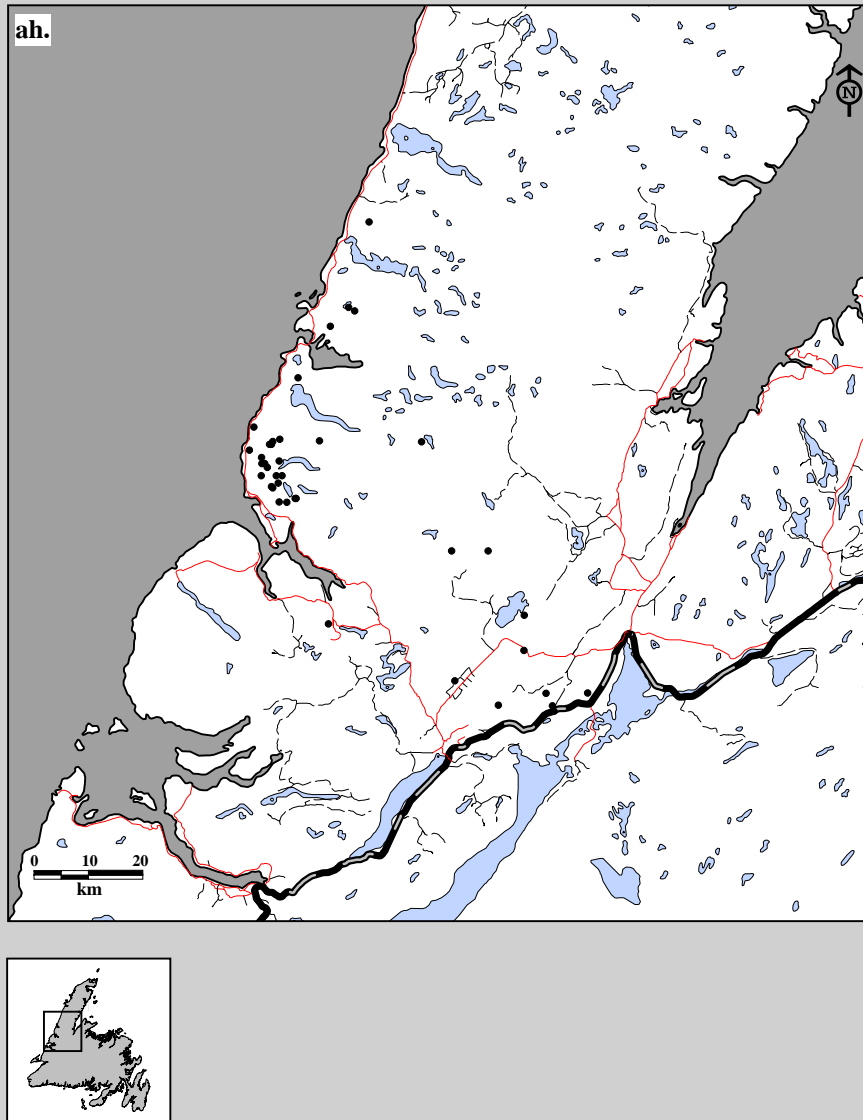


Fig. 8B-13. Gros Morne Caribou Herd radio telemetry locations. Data for ah. adults (38 locations; 22 caribou; 7 flights) in fall, 1996-97.

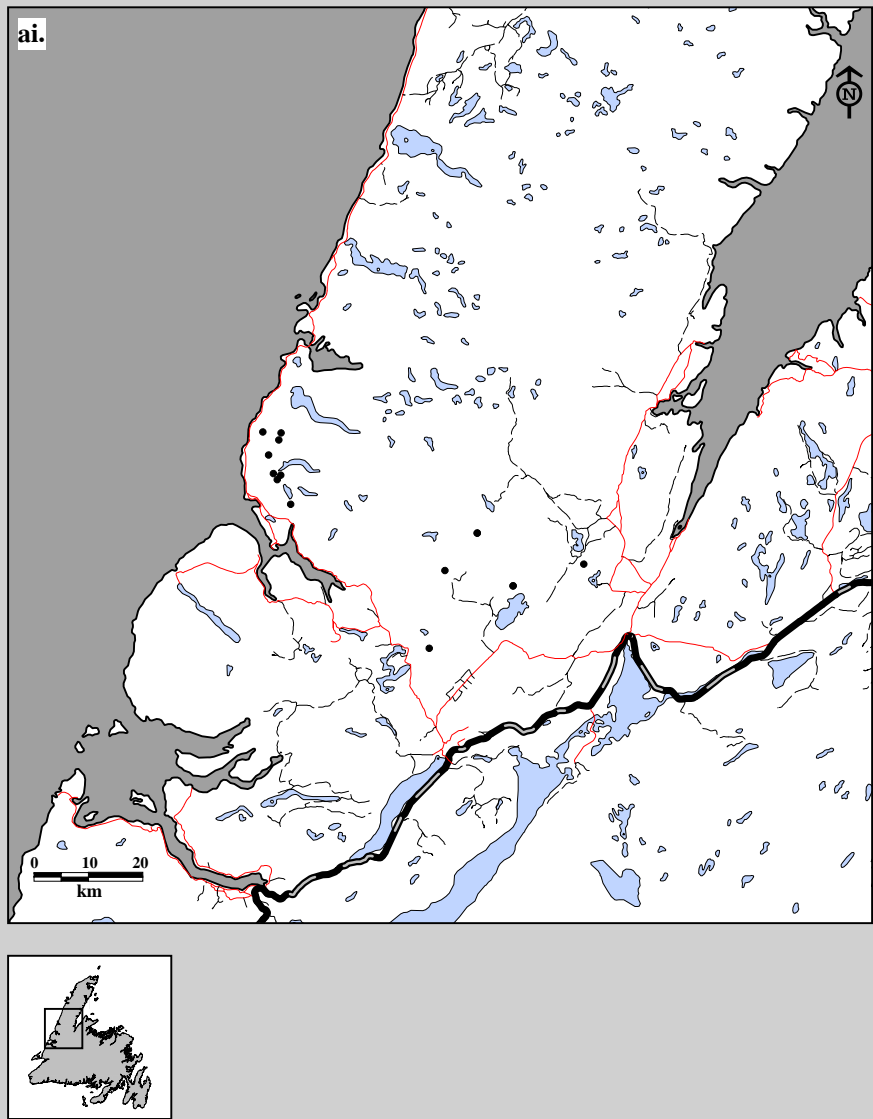


Fig. 8B-13. Gros Morne Caribou Herd radio telemetry locations. Data for ai. yearlings (15 locations; 8 caribou; 7 flights) in fall, 1996-97.

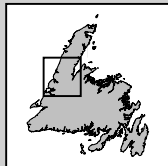
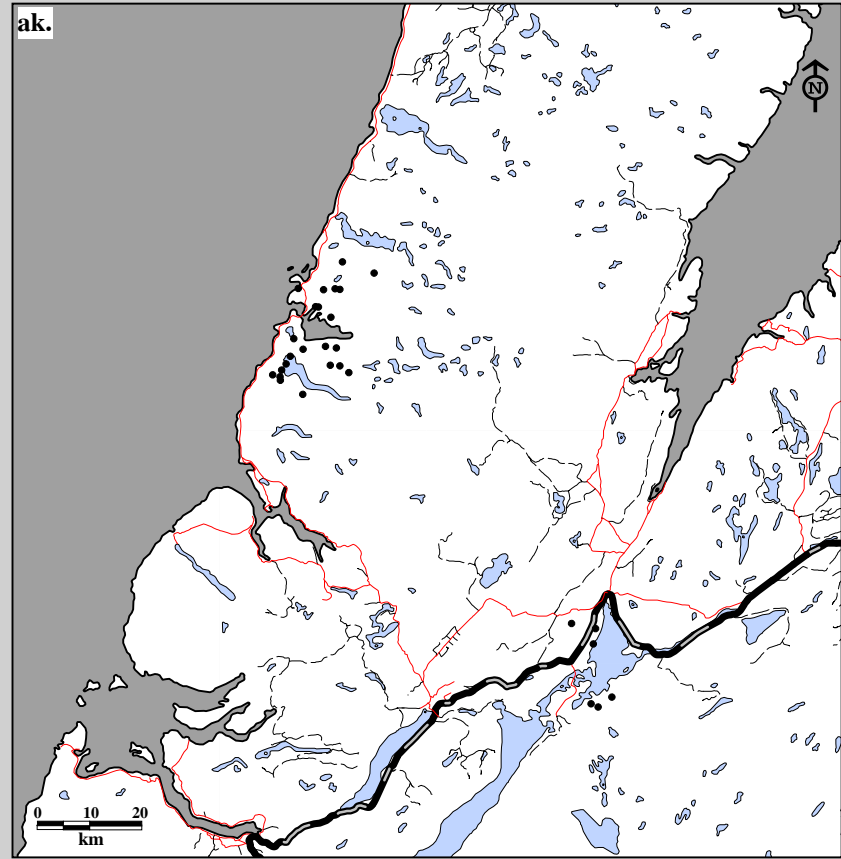
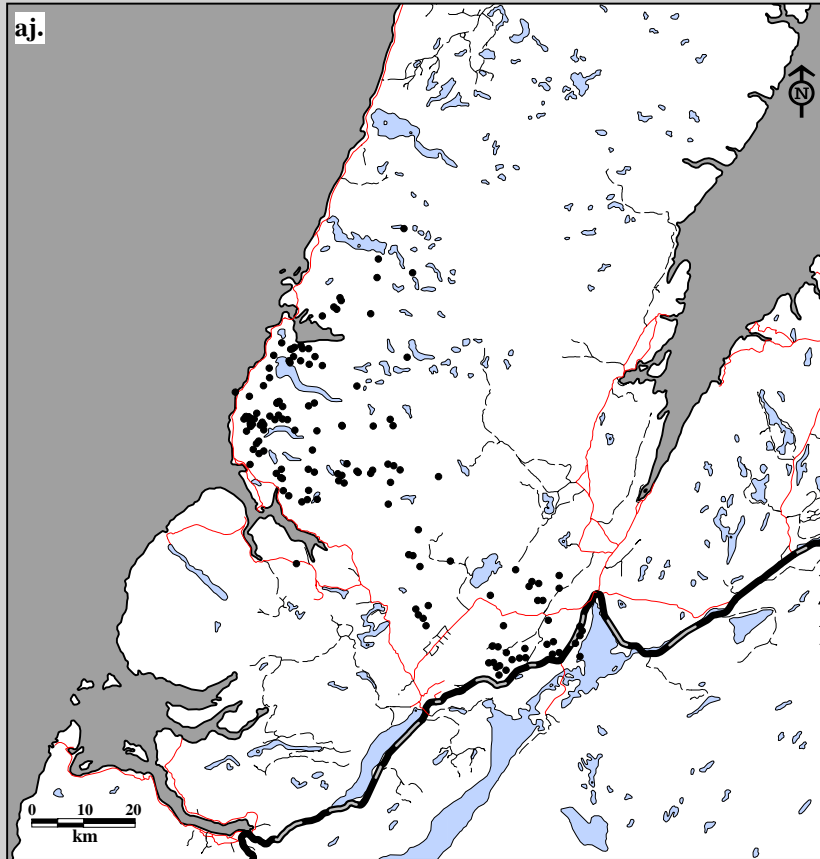


Fig. 8B-13. Gros Morne Caribou Herd radio telemetry locations. Data for aj. adults (144 locations; 30 caribou; 8 flights) and ak. two-year olds (29 locations; 5 caribou; 8 flights) in winter, 1996-97.

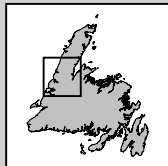
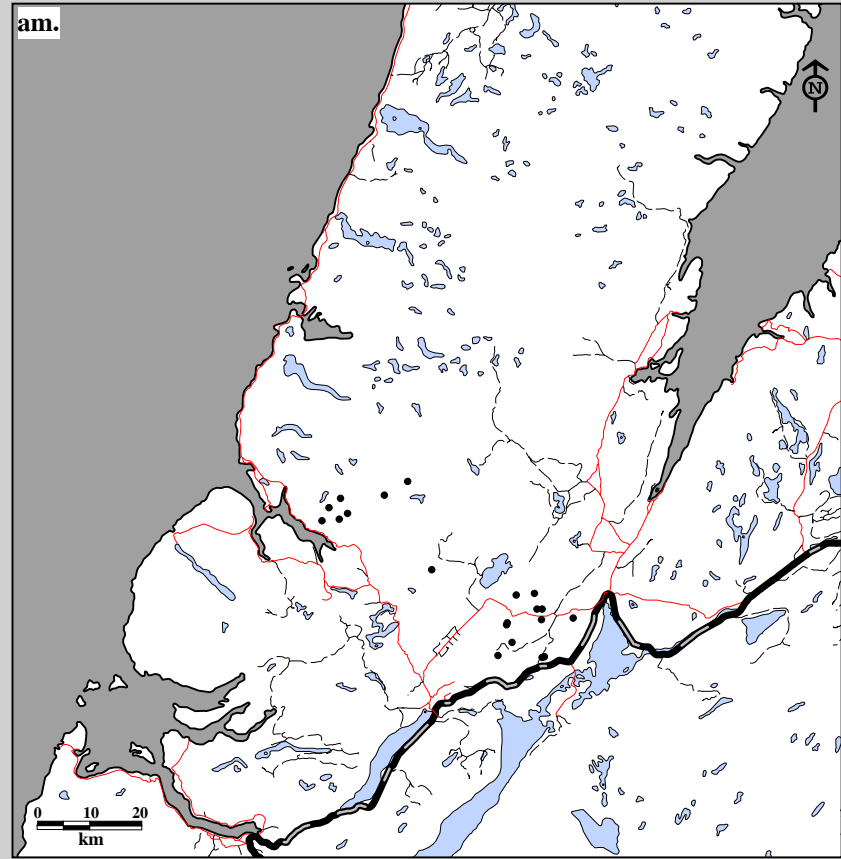
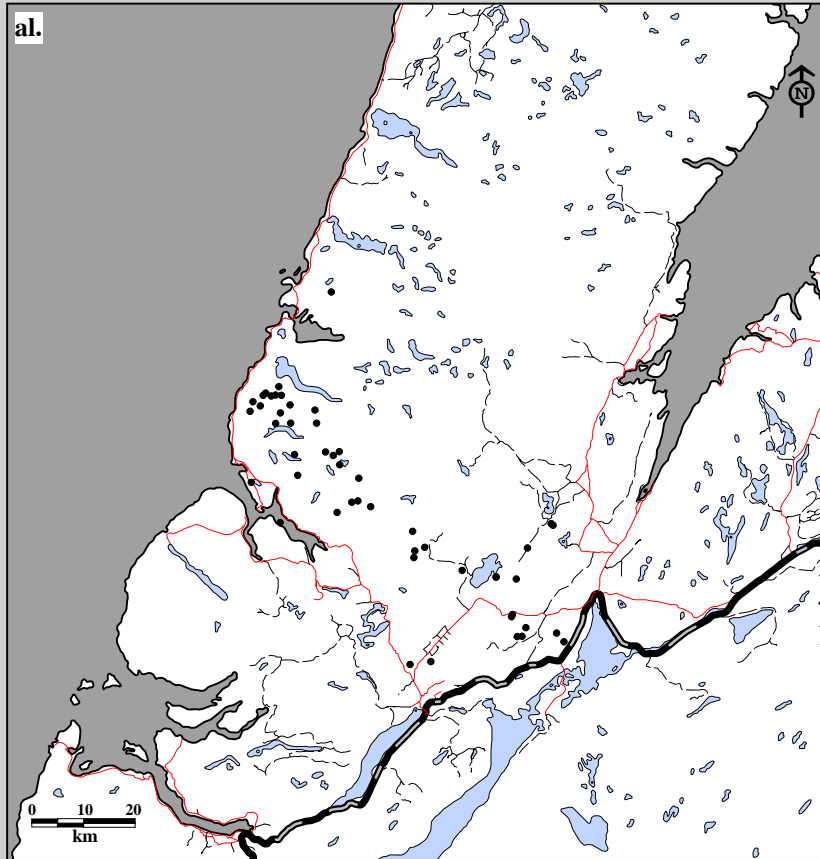


Fig. 8B-13. Gros Morne Caribou Herd radio telemetry locations. Data for al. yearlings (49 locations; 9 caribou; 8 flights) and am. calves (20 locations; 3 caribou; 8 flights) in winter, 1996-97.

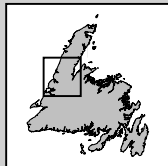
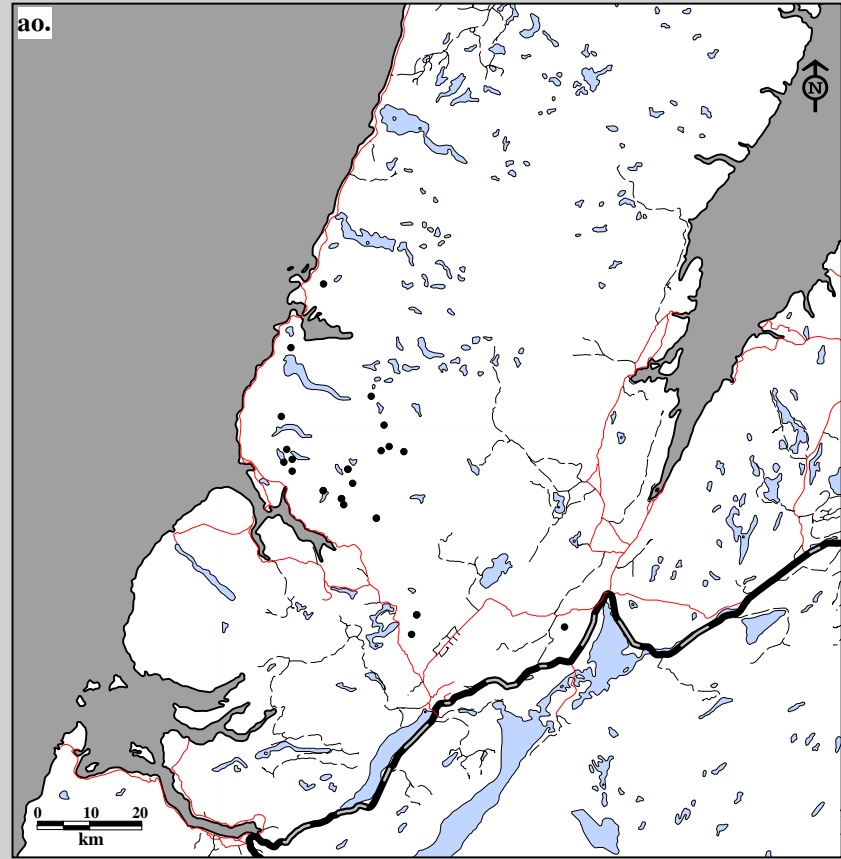
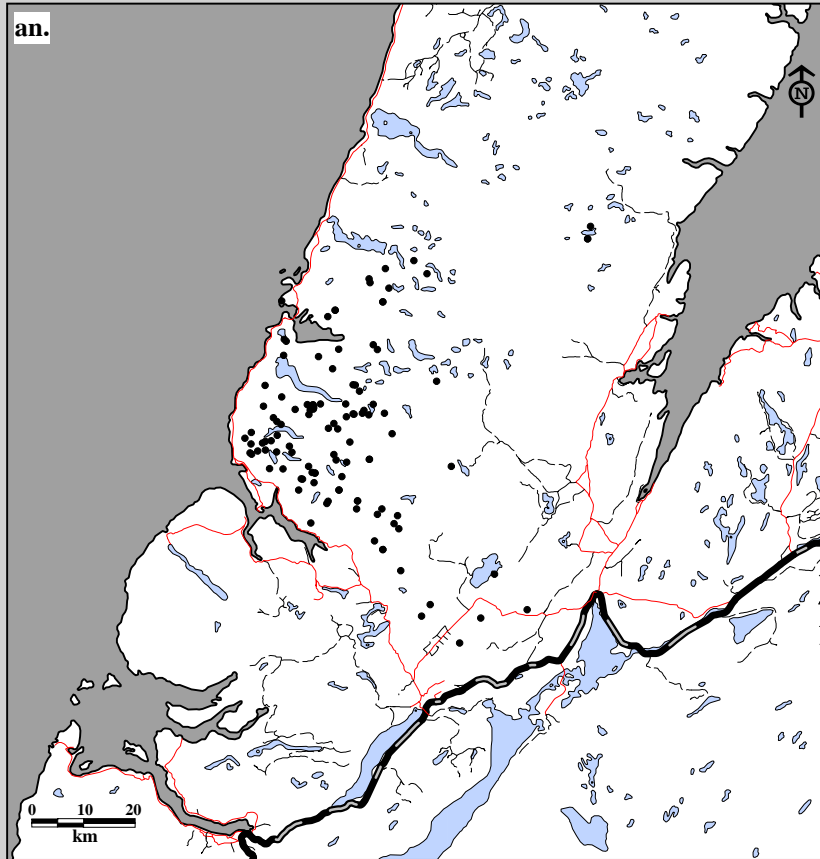


Fig. 8B-13. Gros Morne Caribou Herd radio telemetry locations. Data for an. adults (113 locations; 29 caribou; 11 flights) and ao. two-year olds (26 locations; 11 caribou; 11 flights) in spring, 1997-98.



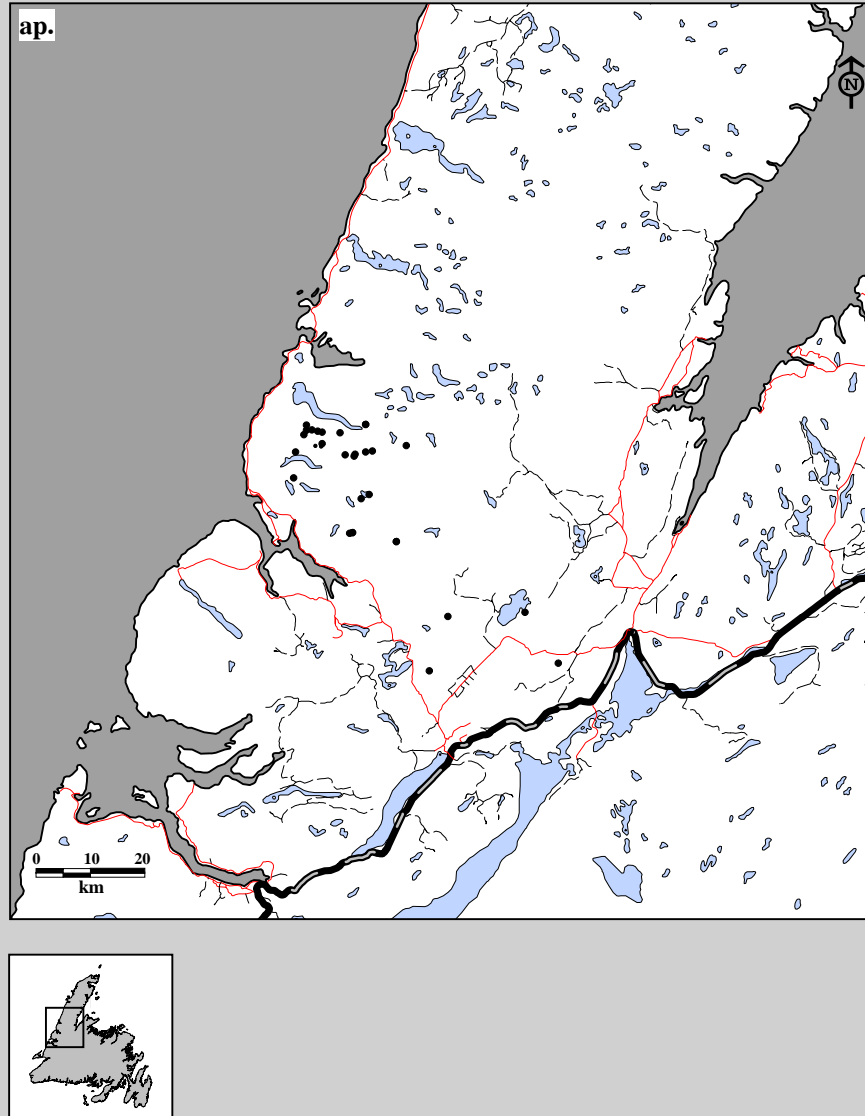


Fig. 8B-13. Gros Morne Caribou Herd radio telemetry locations. Data for ap. yearlings (31 locations; 18 caribou; 11 flights) in spring, 1997-98.

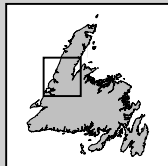
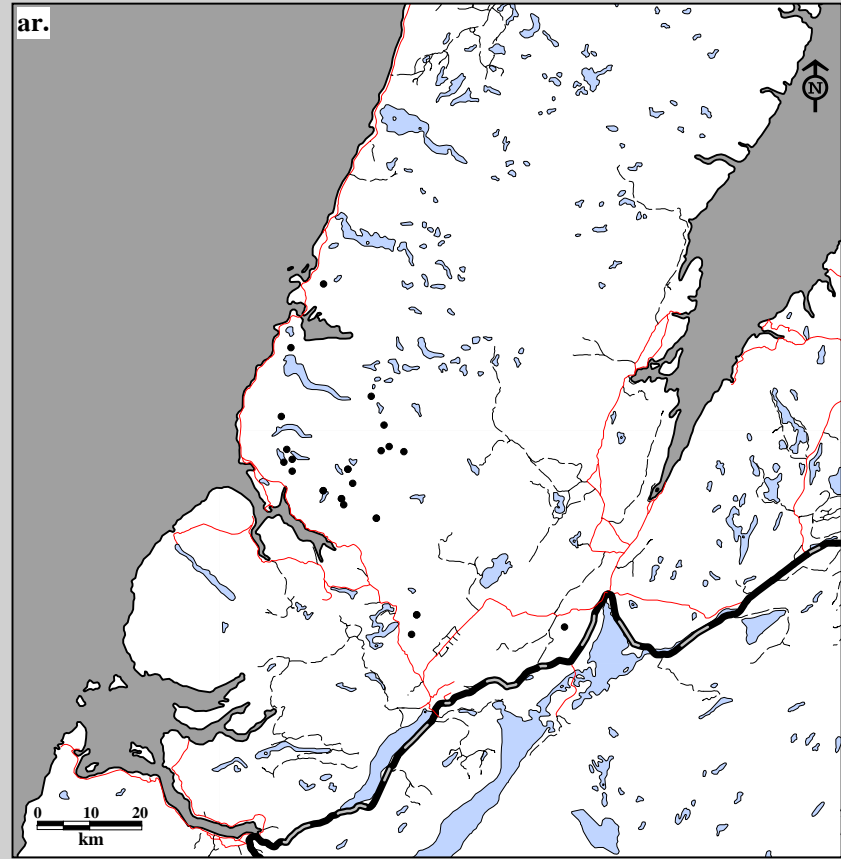
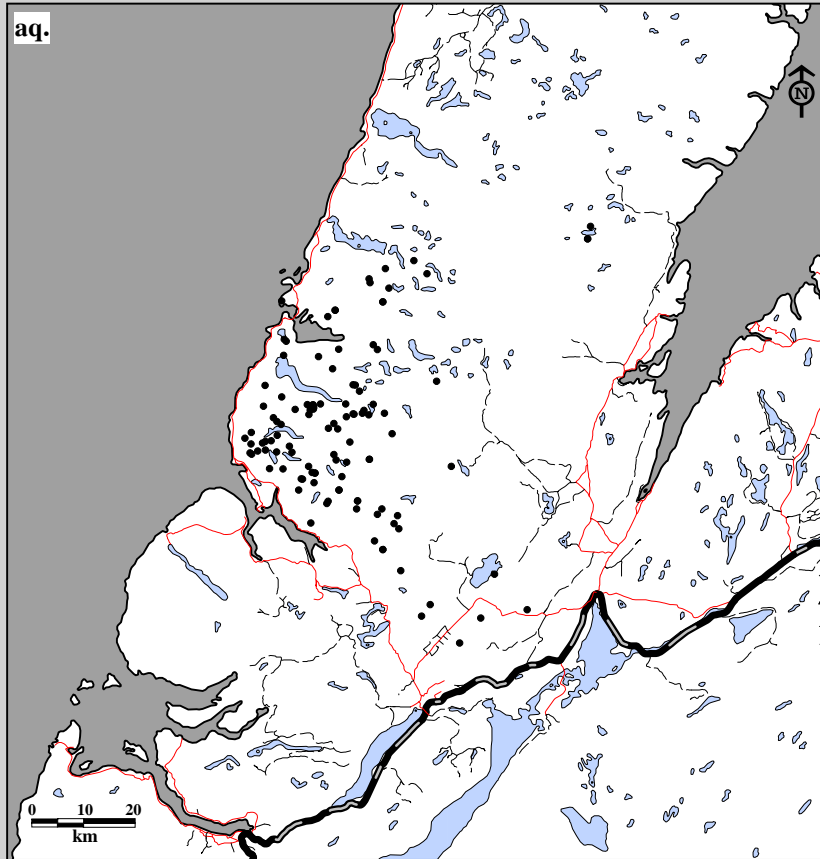


Fig. 8B-13. Gros Morne Caribou Herd radio telemetry locations. Data for aq. adults (70 locations; 26 caribou; 3 flights) and ar. two-year olds (14 locations; 5 caribou; 3 flights) in summer, 1997-98.

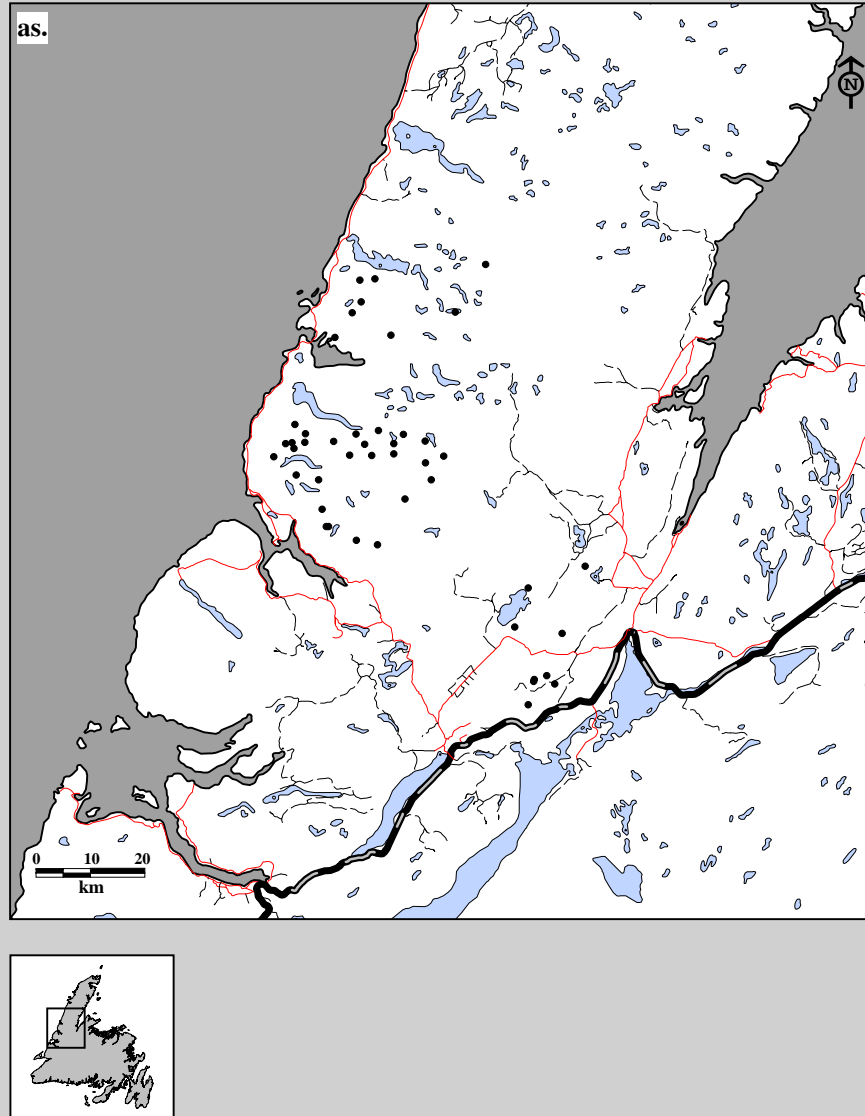
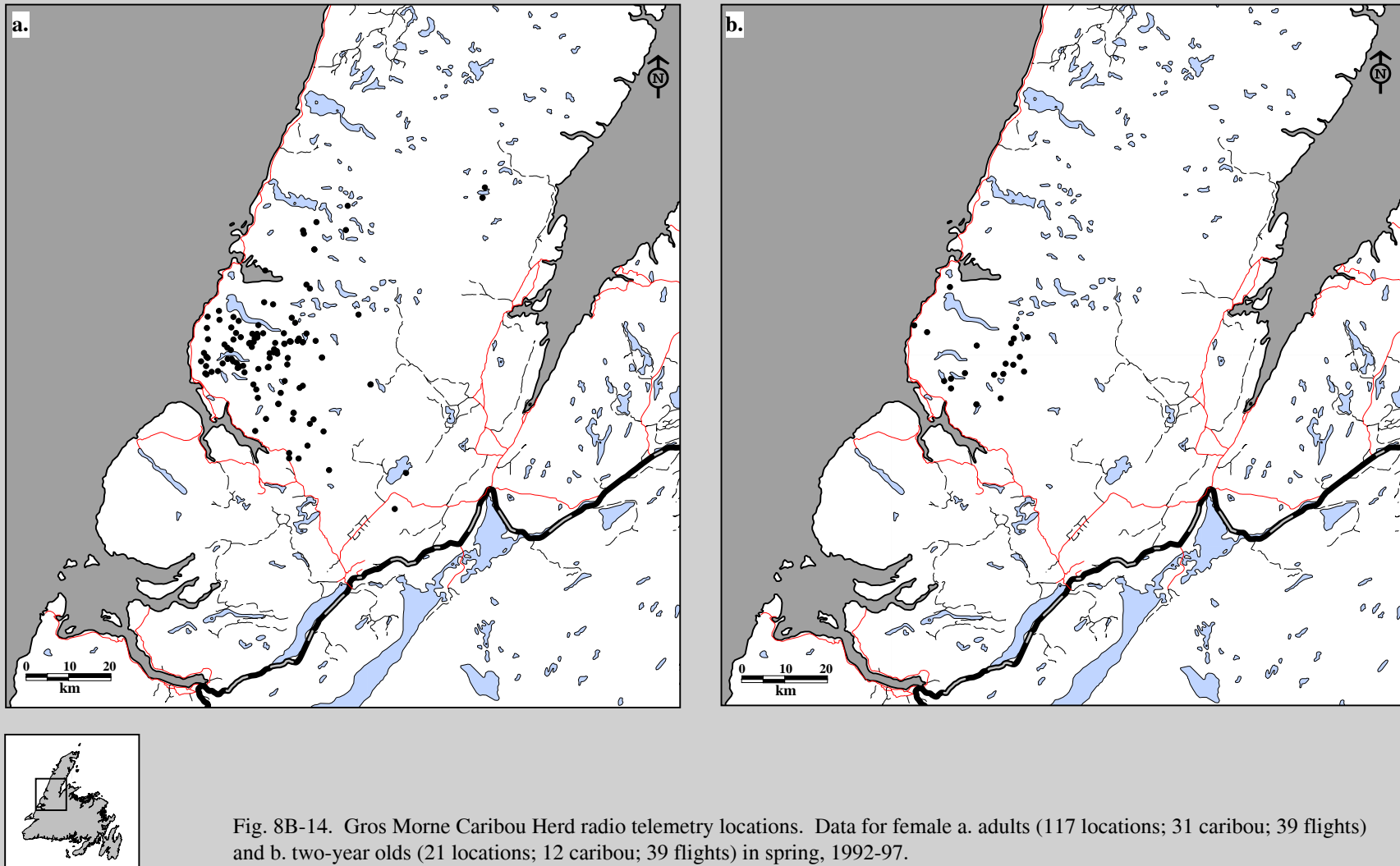
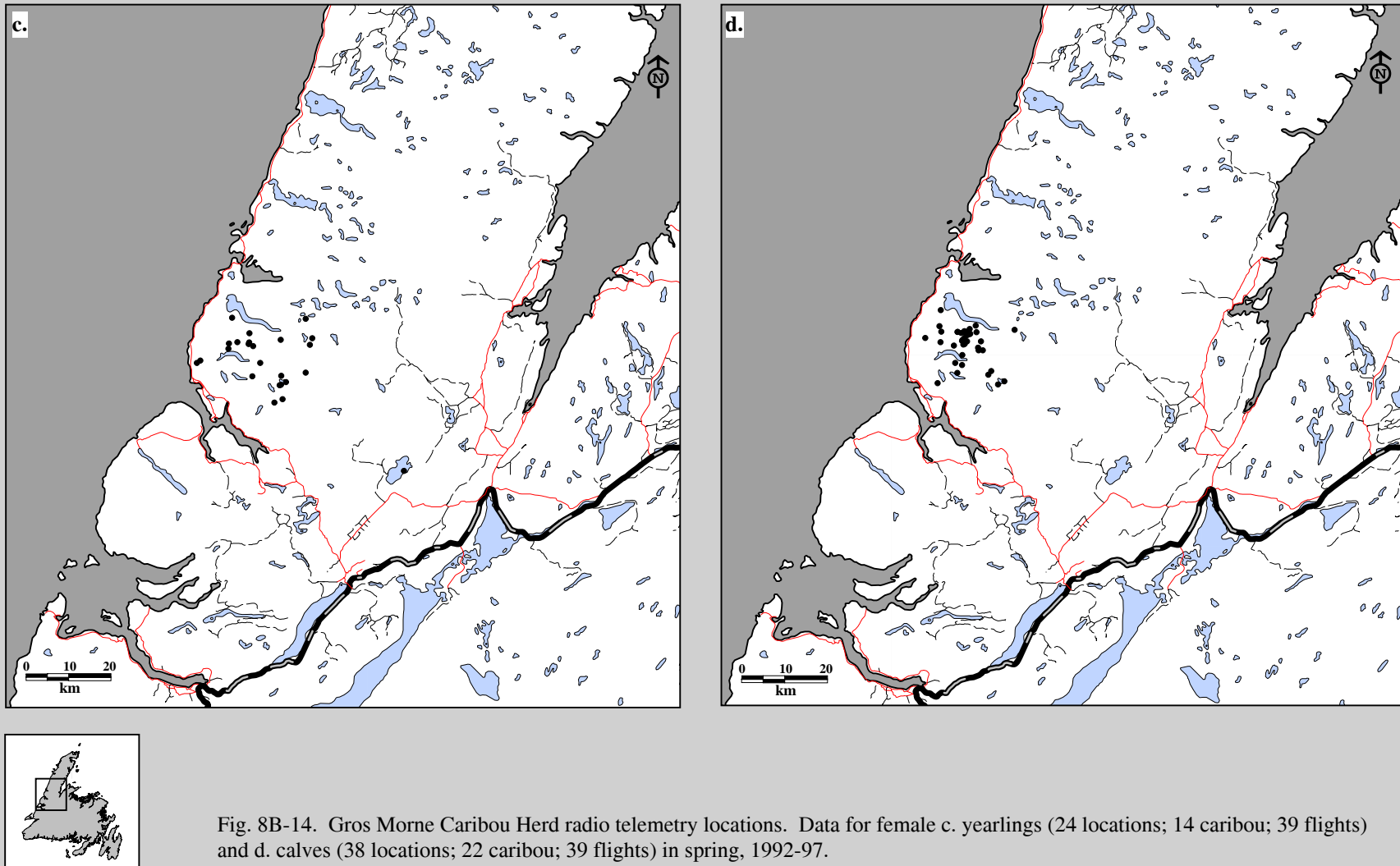


Fig. 8B-13. Gros Morne Caribou Herd radio telemetry locations. Data for as. adults (45 locations; 23 caribou; 3 flights) in fall, 1997-98.





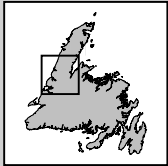
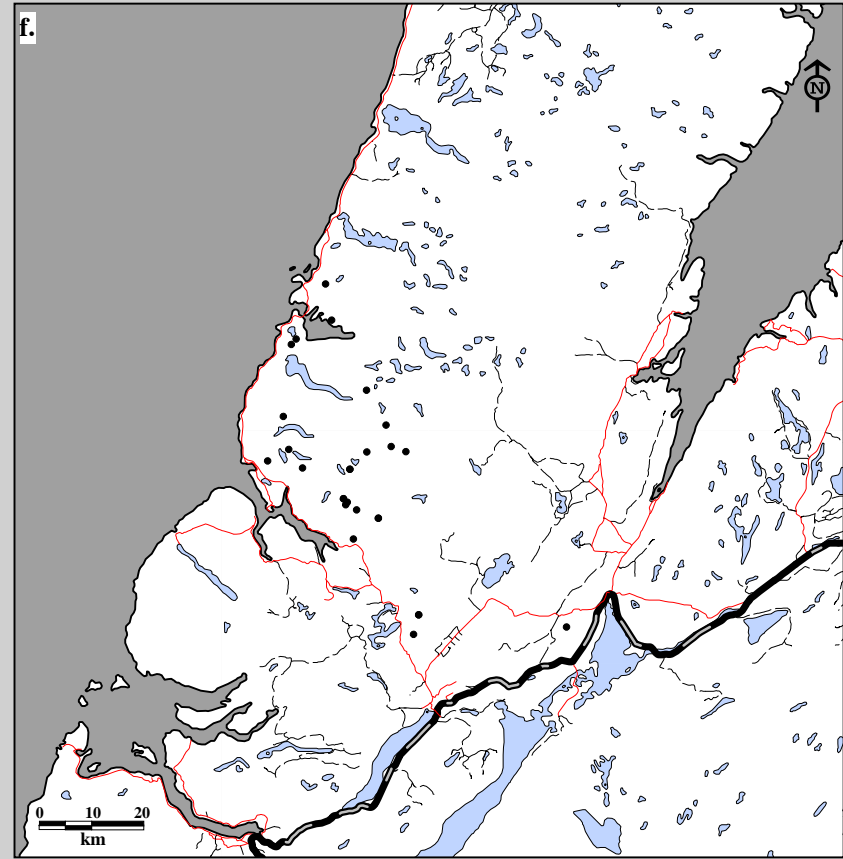
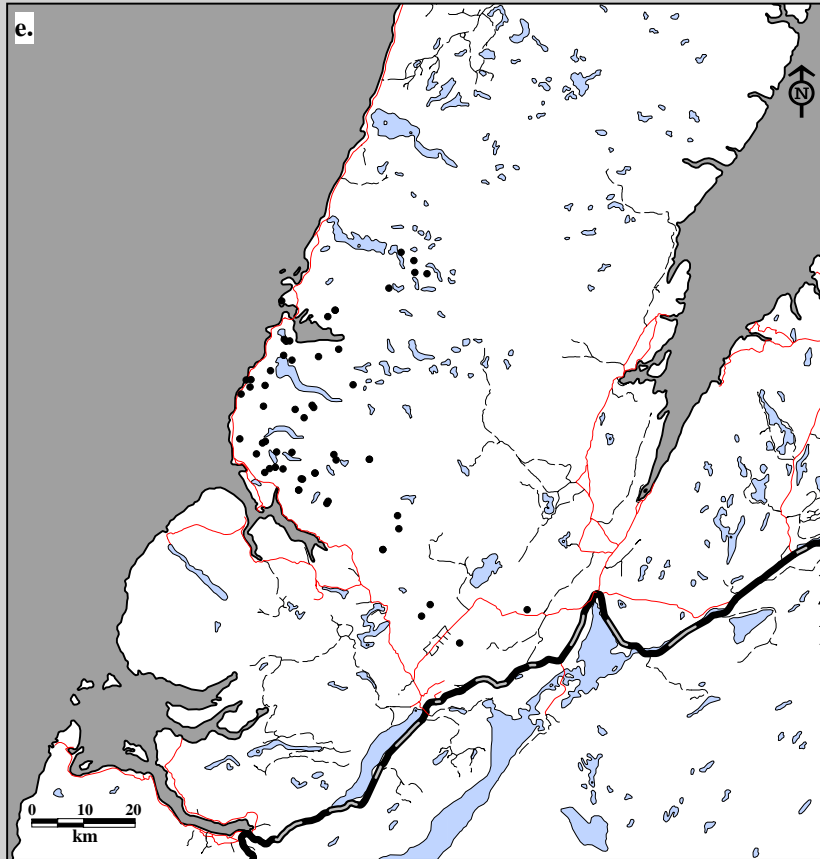
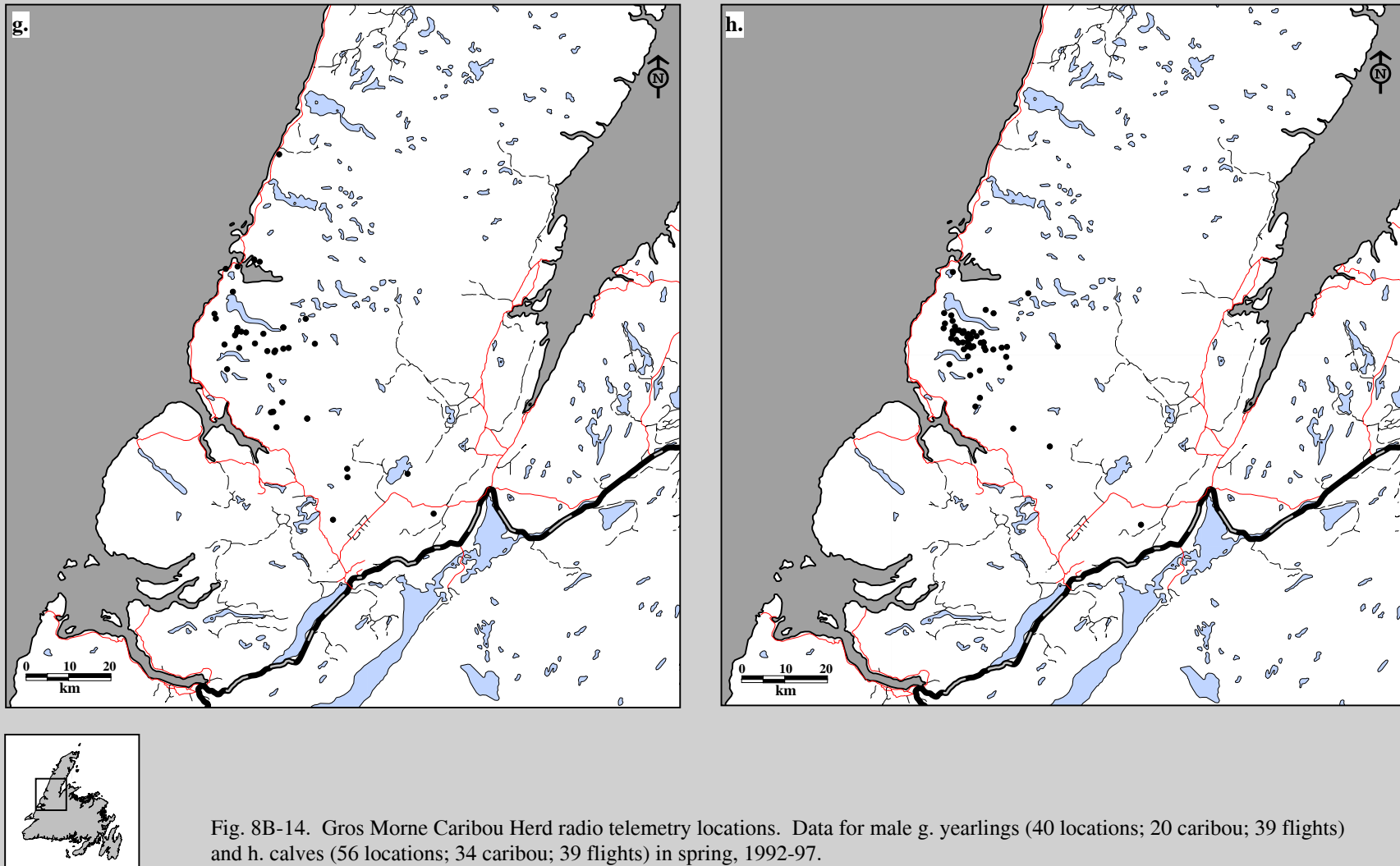


Fig. 8B-14. Gros Morne Caribou Herd radio telemetry locations. Data for male e. adults (58 locations; 34 caribou; 39 flights) and f. two-year olds (27 locations; 11 caribou; 39 flights) in spring, 1992-97.



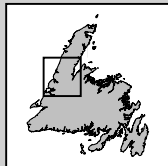
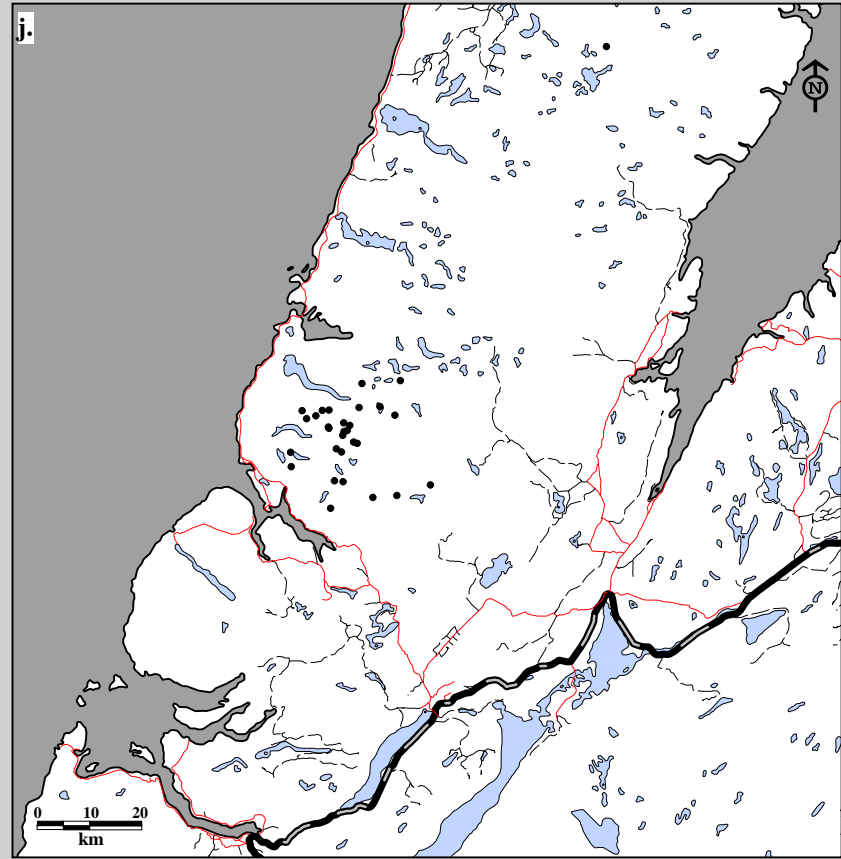
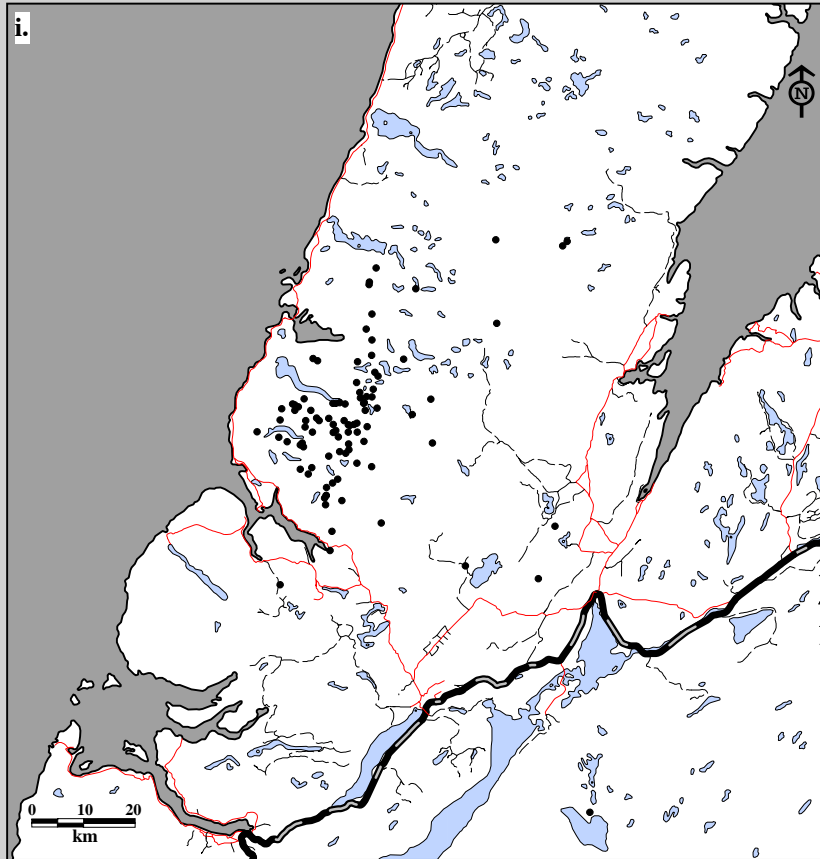


Fig. 8B-14. Gros Morne Caribou Herd radio telemetry locations. Data for female i. adults (94 locations; 28 caribou; 29 flights) and j. two-year olds (30 locations; 10 caribou; 29 flights) in summer, 1992-97.



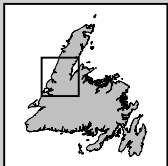
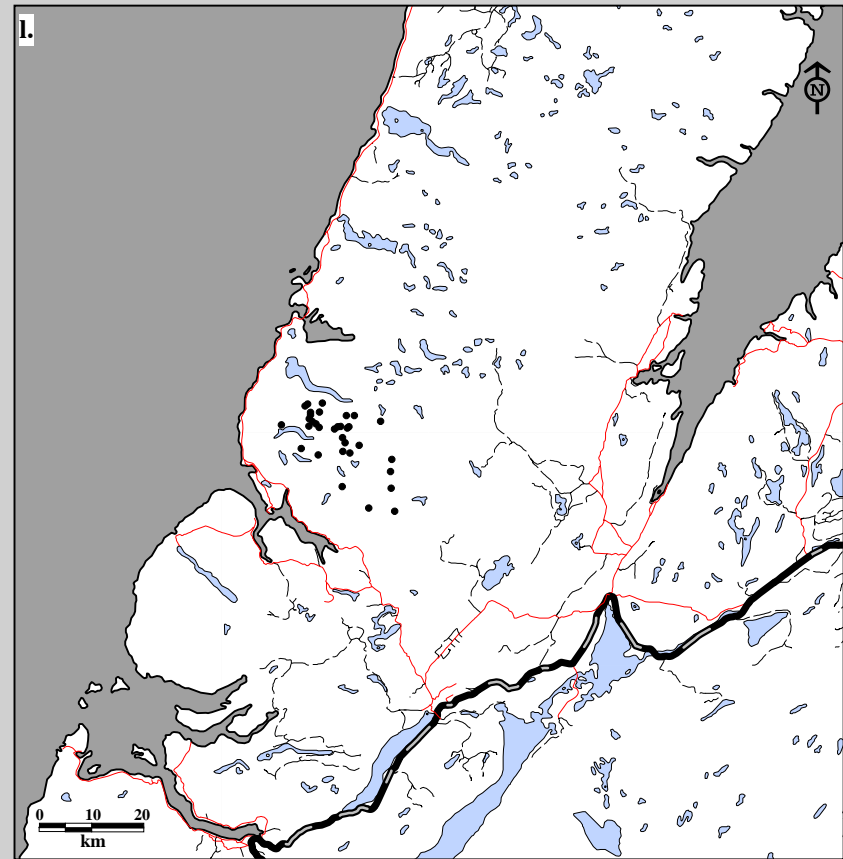
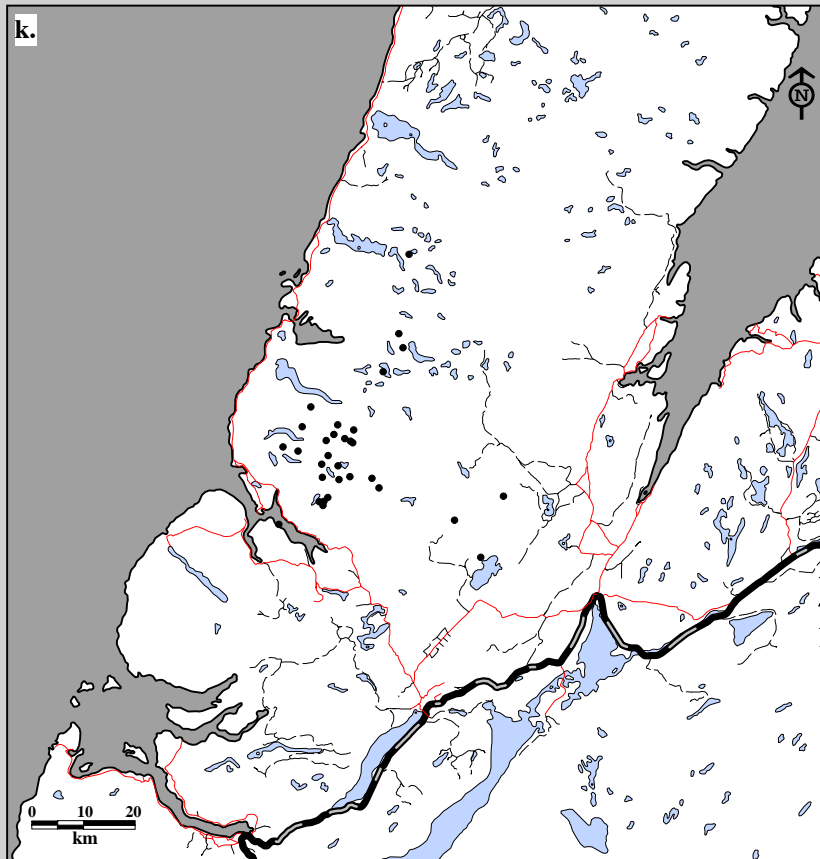
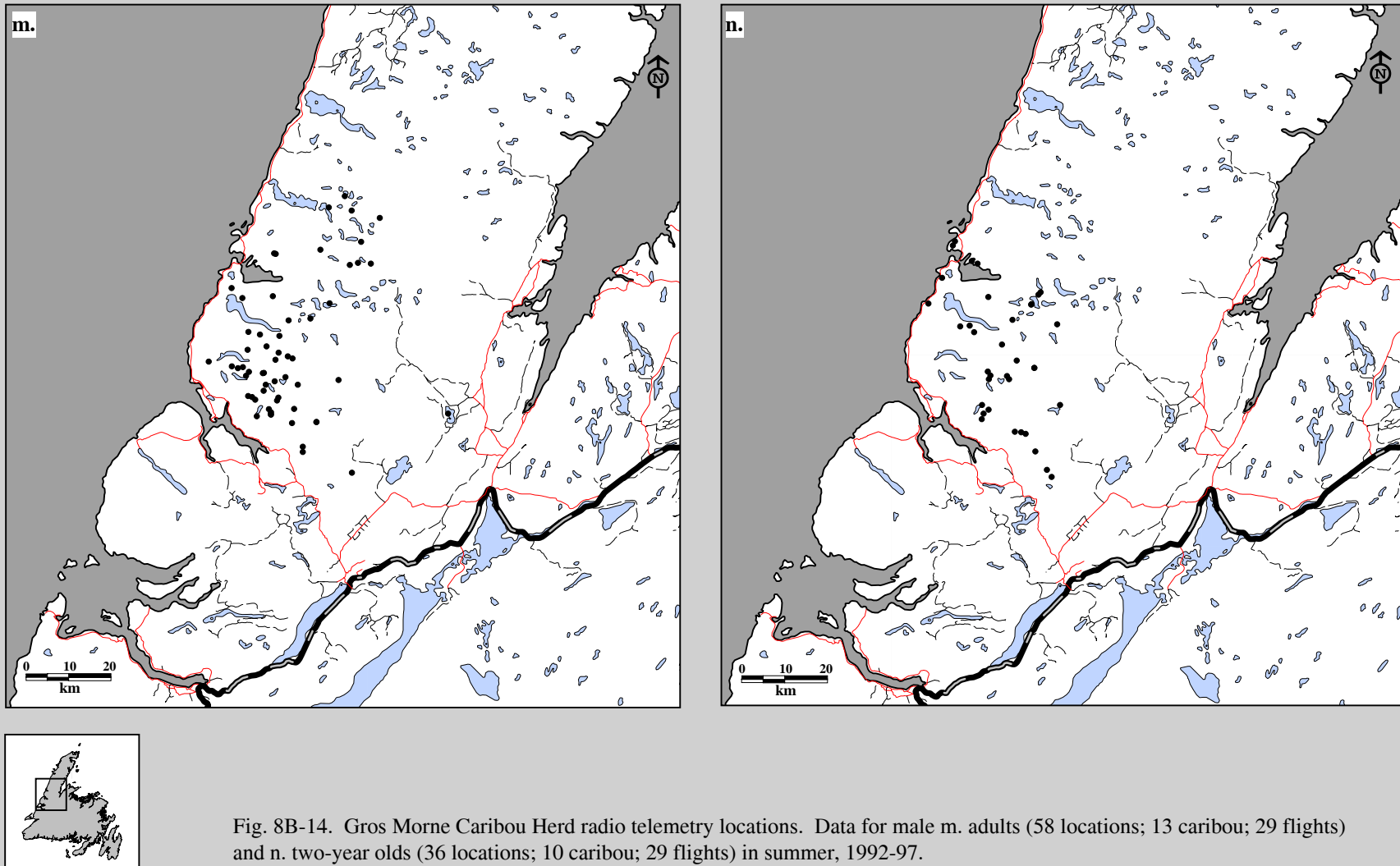


Fig. 8B-14. Gros Morne Caribou Herd radio telemetry locations. Data for female k. yearlings (31 locations; 13 caribou; 29 flights) and l. calves (33 locations; 12 caribou; 29 flights) in summer, 1992-97.



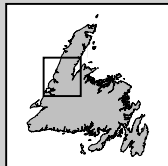
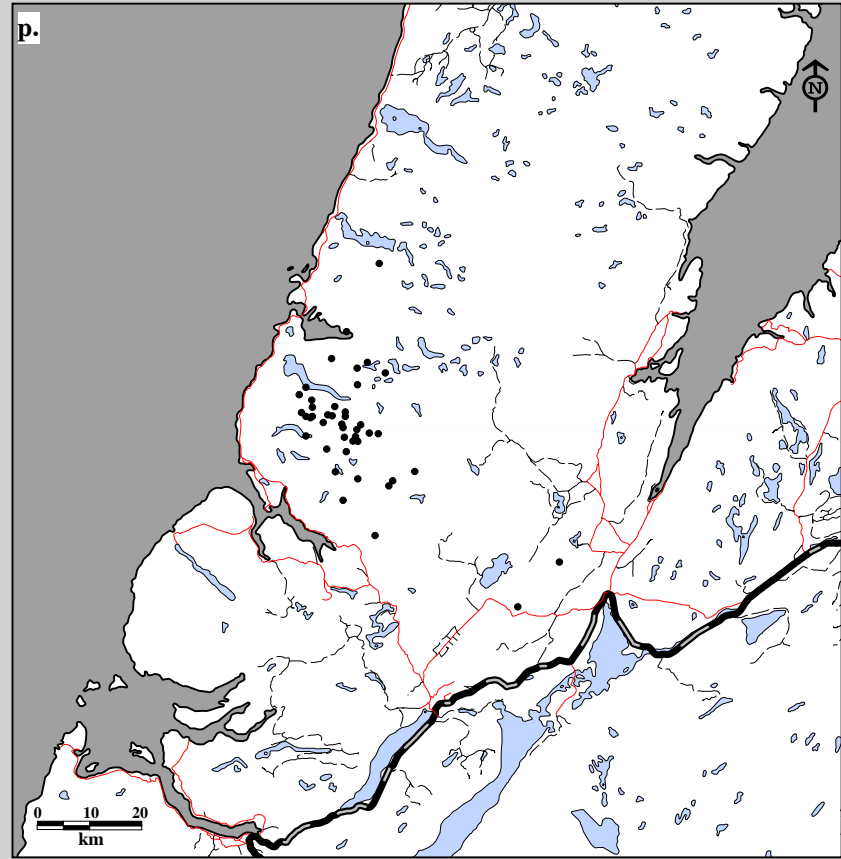
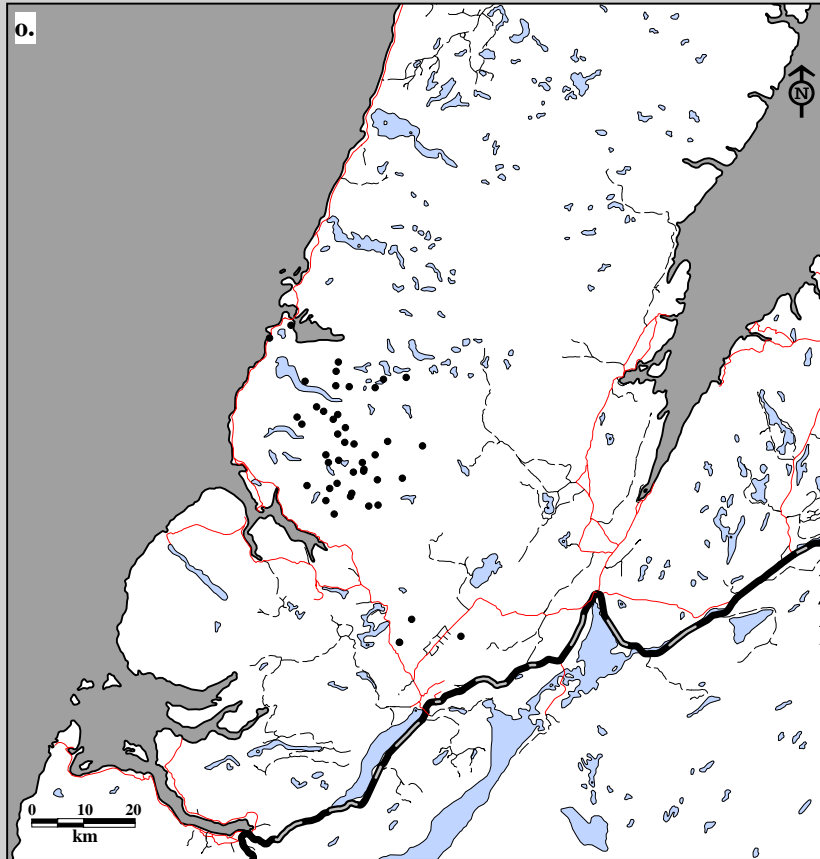


Fig. 8B-14. Gros Morne Caribou Herd radio telemetry locations. Data for male o. yearlings (45 locations; 15 caribou; 29 flights) and p. calves (43 locations; 22 caribou; 29 flights) in summer, 1992-97.

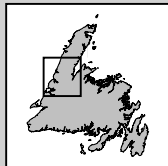
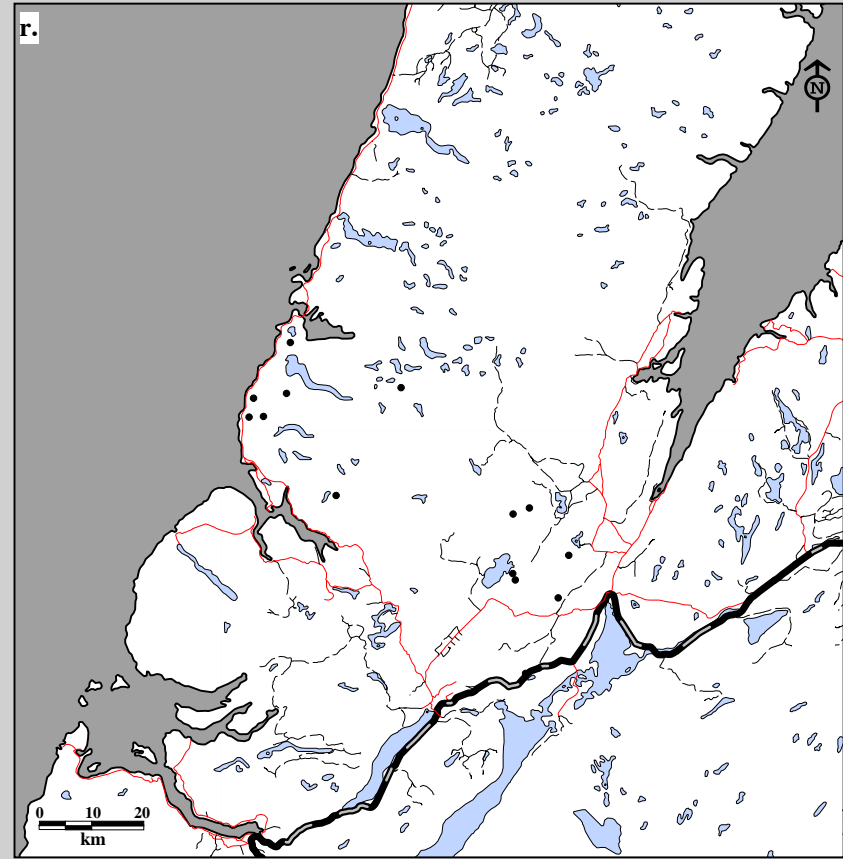
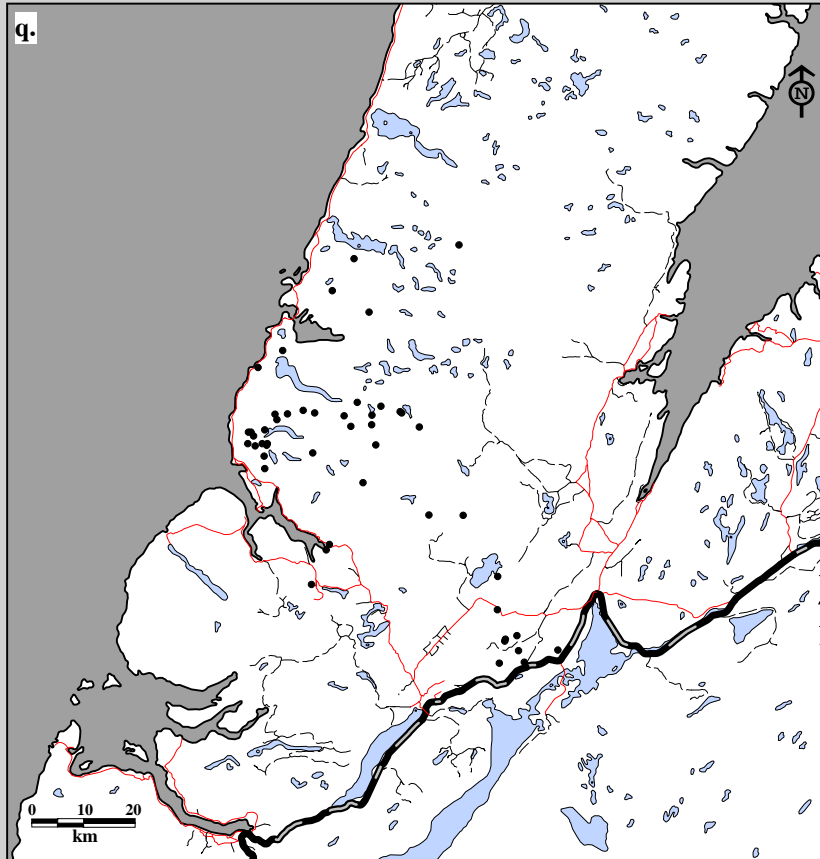


Fig. 8B-14. Gros Morne Caribou Herd radio telemetry locations. Data for female q. adults (48 locations; 19 caribou; 18 flights) and r. two-year olds (14 locations; 8 caribou; 18 flights) in fall, 1992-97.

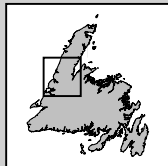
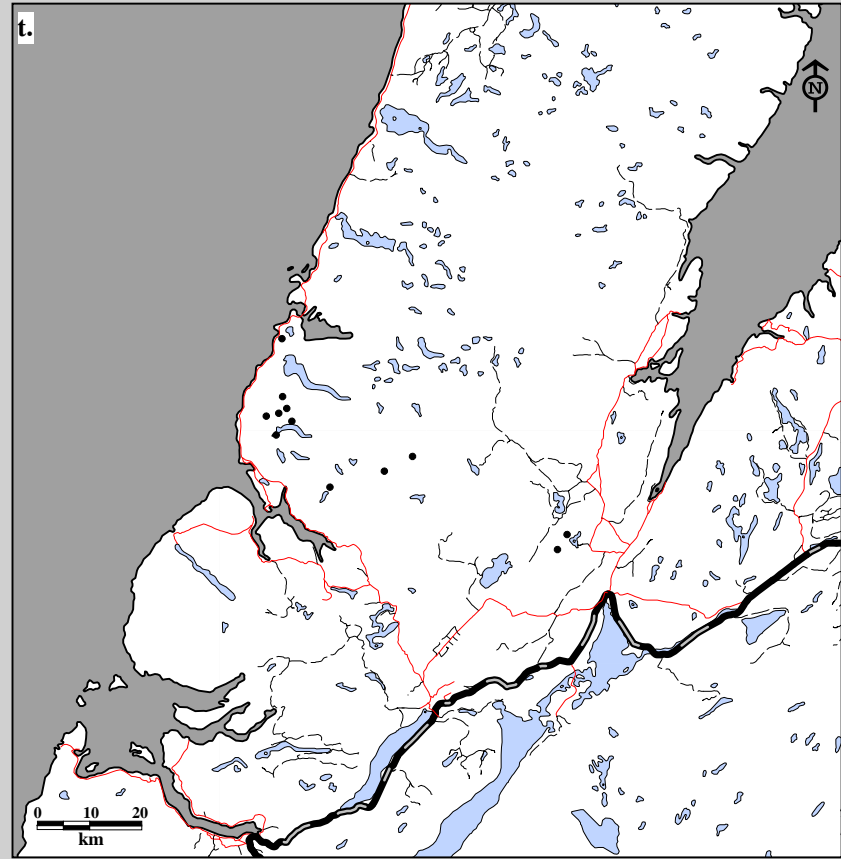
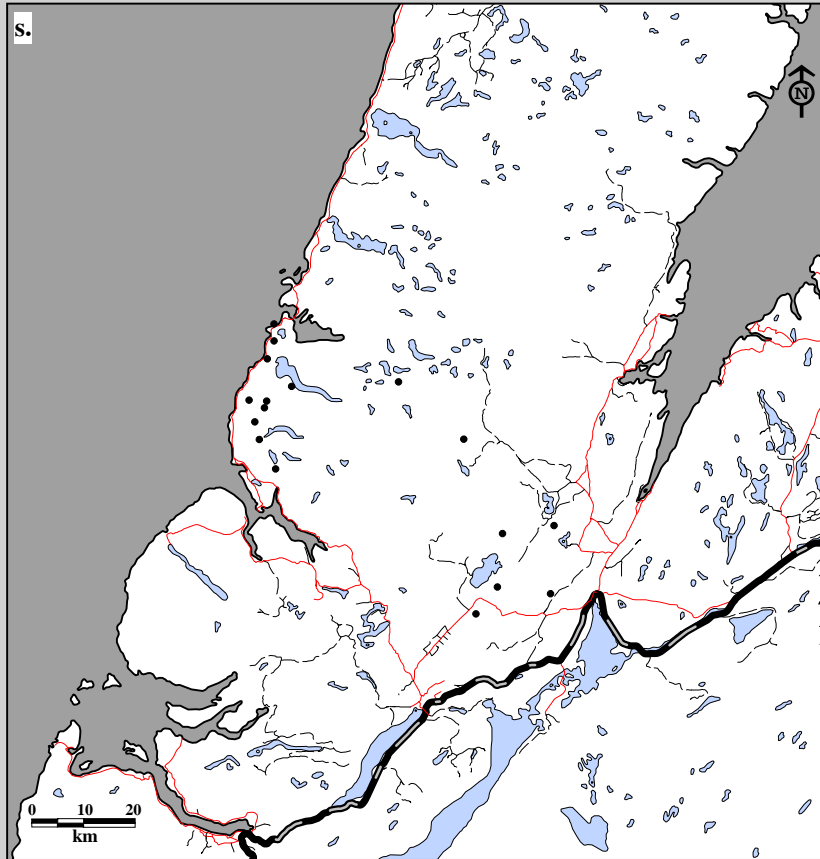


Fig. 8B-14. Gros Morne Caribou Herd radio telemetry locations. Data for female s. yearlings (17 locations; 12 caribou; 18 flights) and t. calves (12 locations; 9 caribou; 18 flights) in fall, 1992-97.

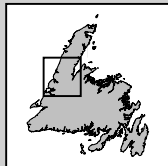
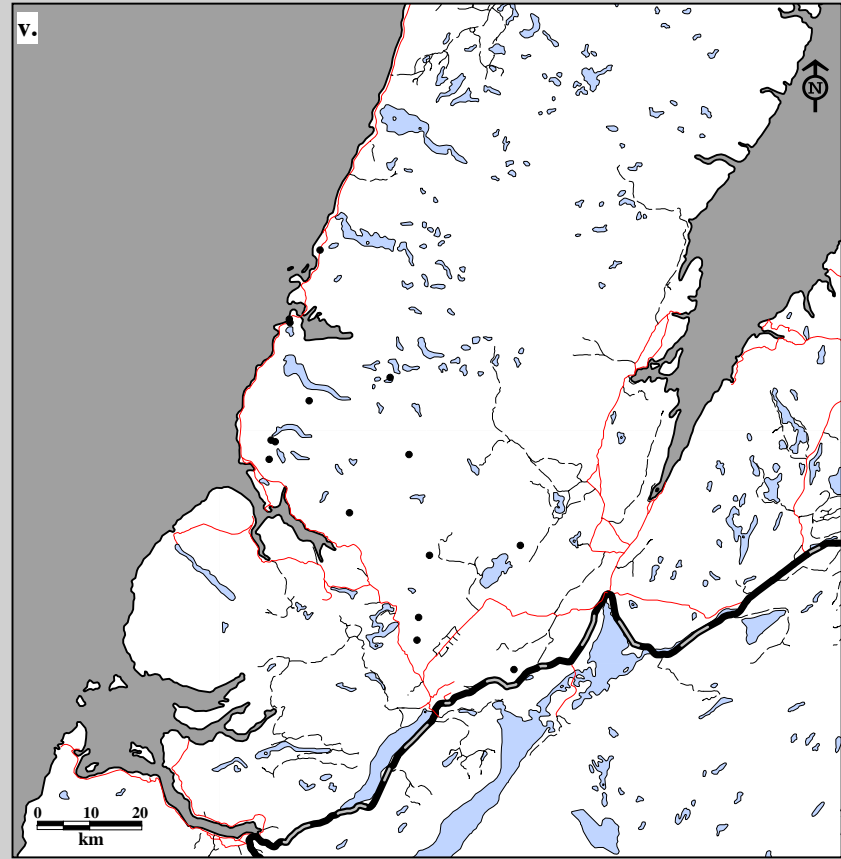
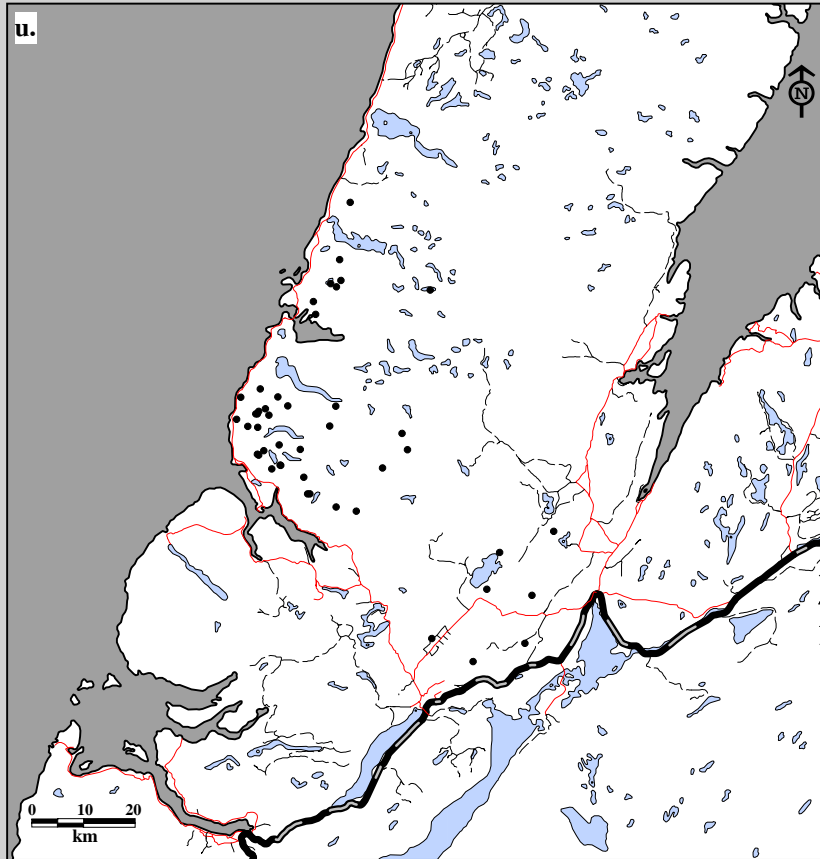


Fig. 8B-14. Gros Morne Caribou Herd radio telemetry locations. Data for male u. adults (45 locations; 15 caribou; 18 flights) and v. two-year olds (15 locations; 10 caribou; 18 flights) in fall, 1992-97.

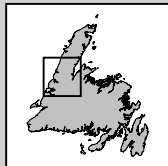
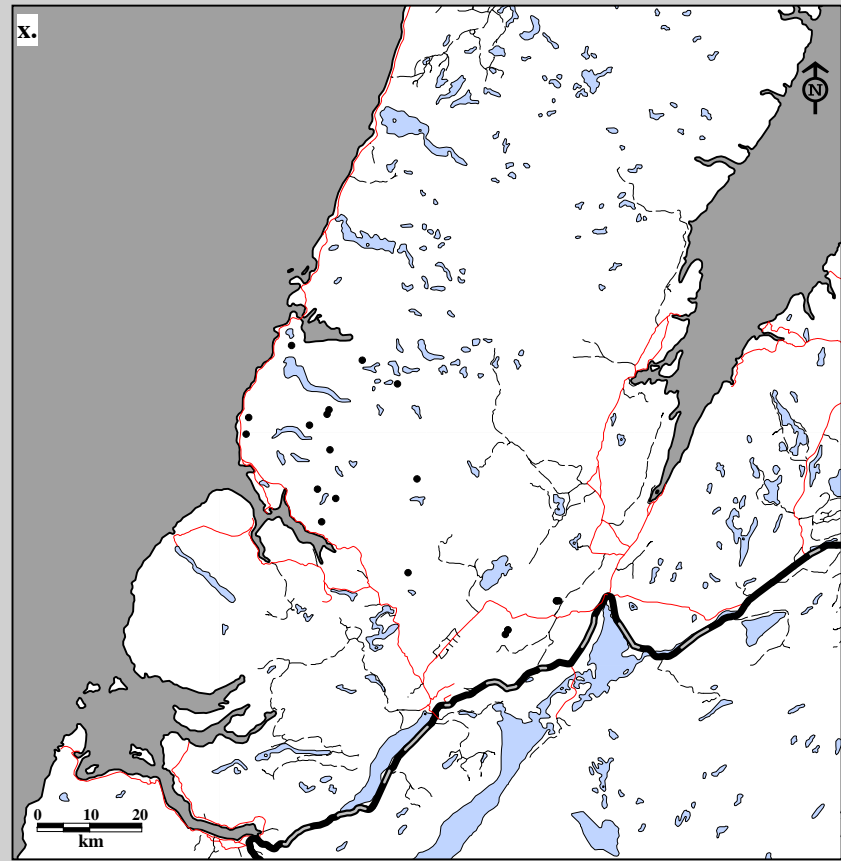
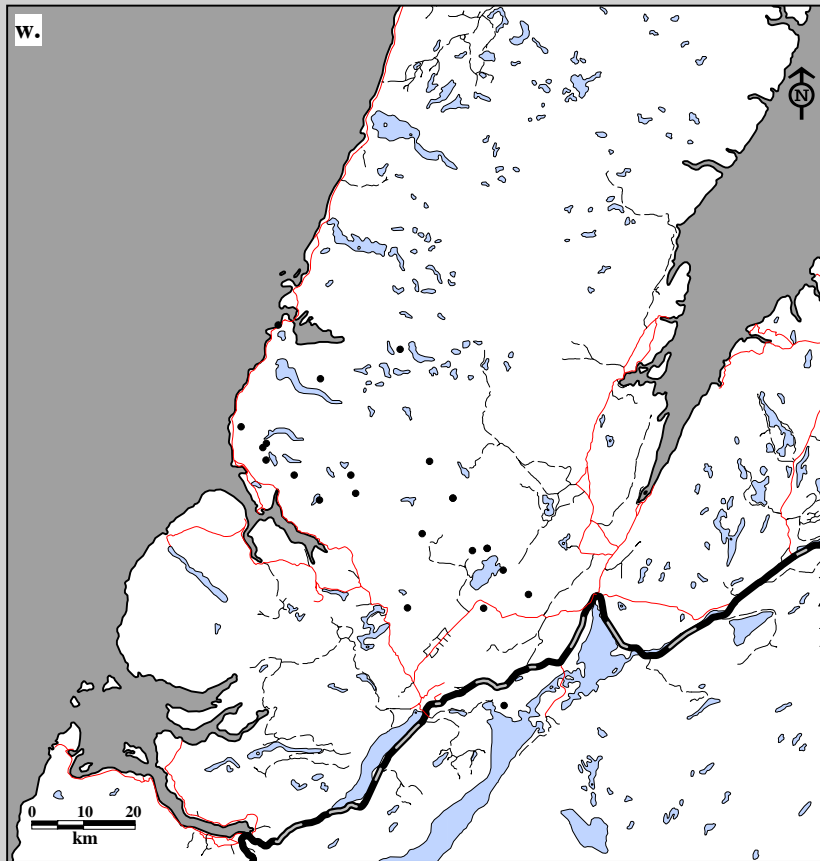


Fig. 8B-14. Gros Morne Caribou Herd radio telemetry locations. Data for male w. yearlings (23 locations; 15 caribou; 18 flights) and x. calves (20 locations; 14 caribou; 18 flights) in fall, 1992-97.

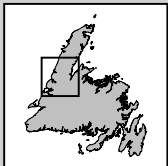
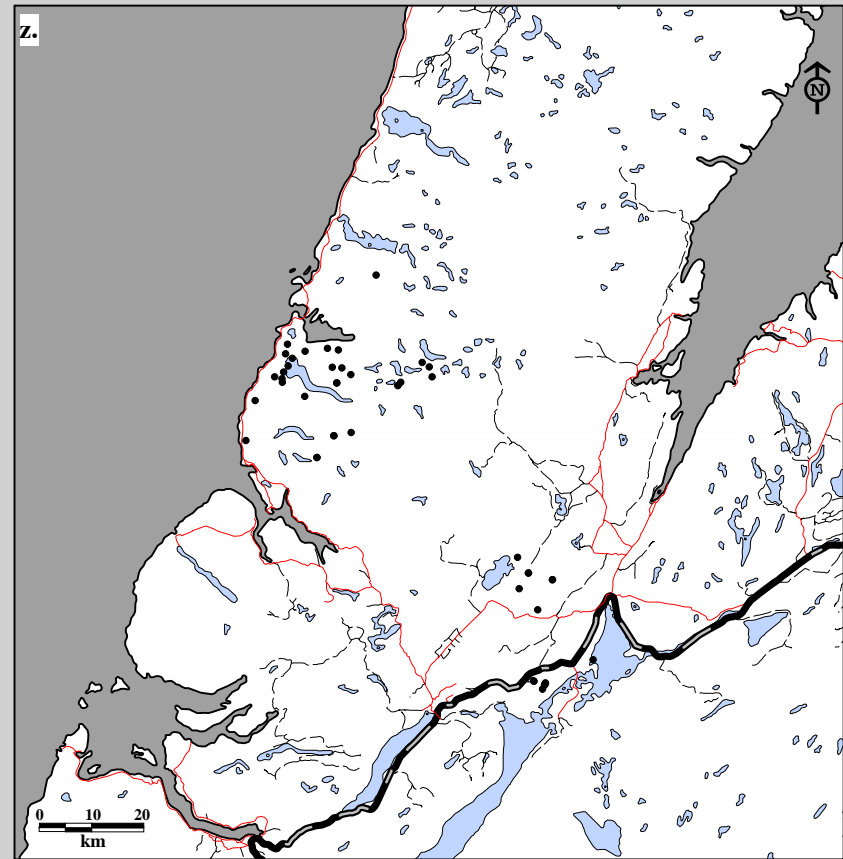
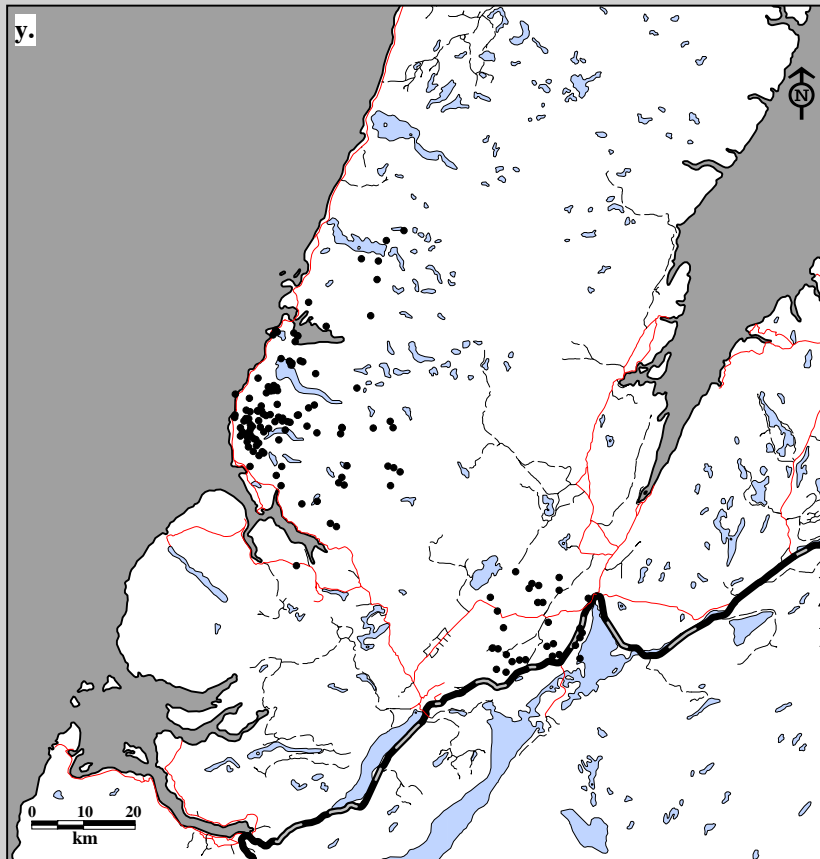


Fig. 8B-14. Gros Morne Caribou Herd radio telemetry locations. Data for female y. adults (143 locations; 32 caribou; 40 flights) and z. two-year olds (46 locations; 8 caribou; 40 flights) in winter, 1992-97.



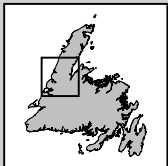
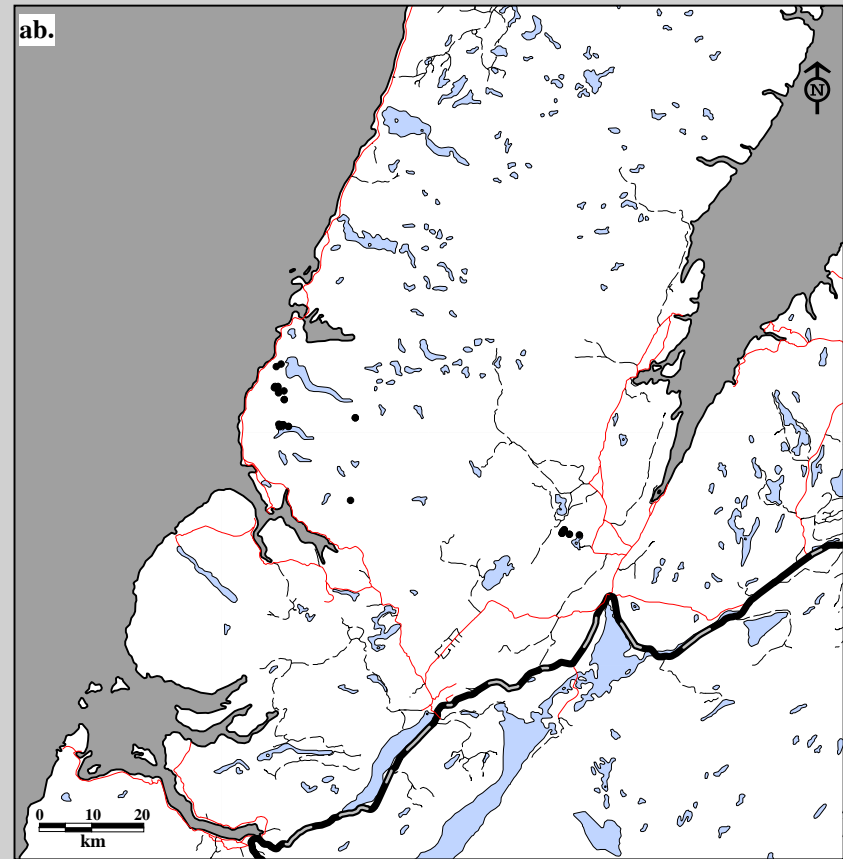
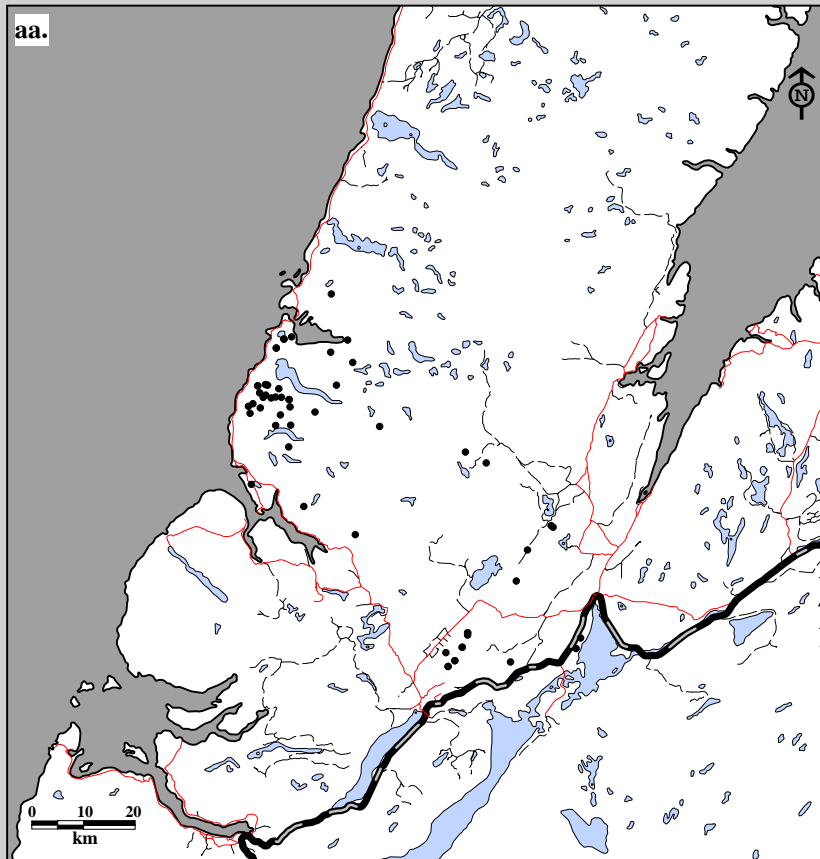


Fig. 8B-14. Gros Morne Caribou Herd radio telemetry locations. Data for female aa. yearlings (56 locations; 14 caribou; 40 flights) and ab. calves (33 locations; 7 caribou; 40 flights) in winter, 1992-97.

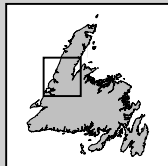
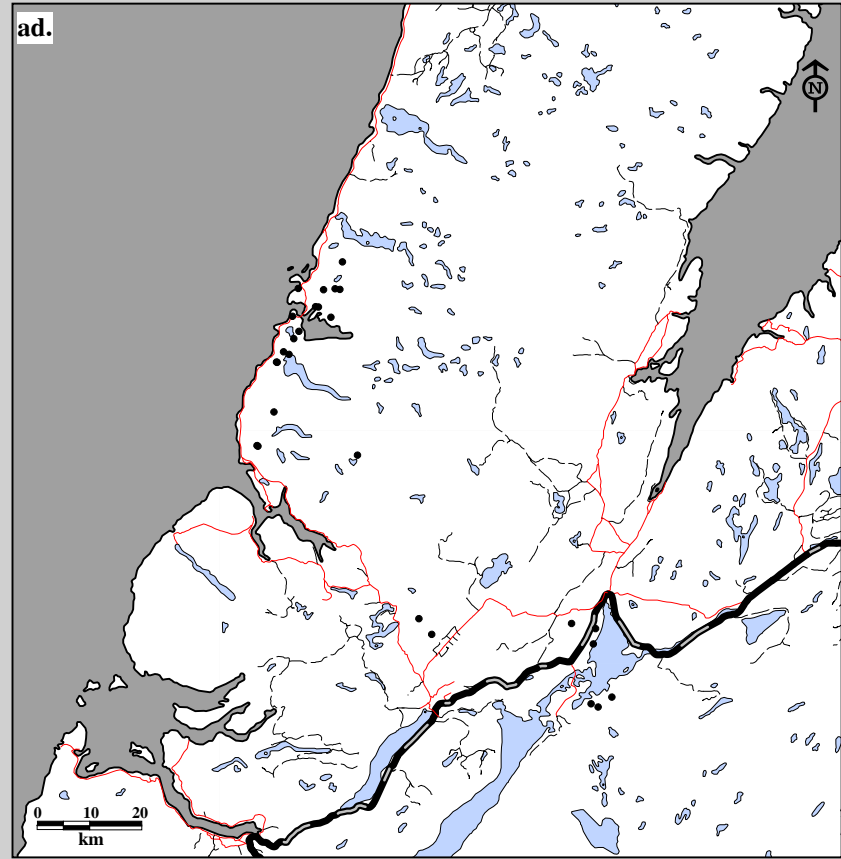
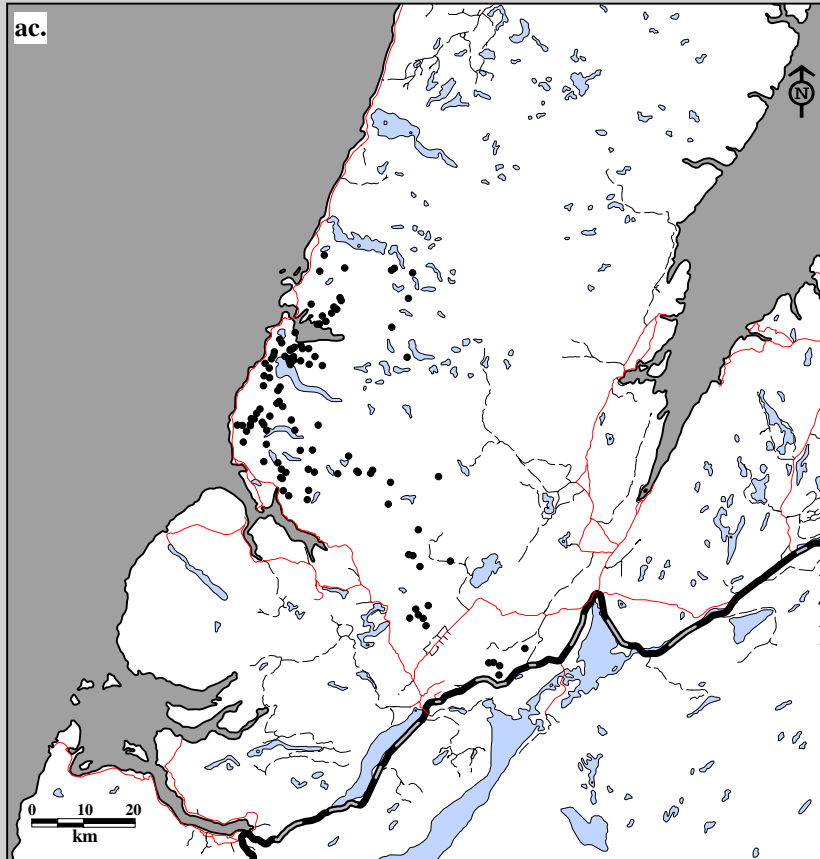


Fig. 8B-14. Gros Morne Caribou Herd radio telemetry locations. Data for male ac. adults (111 locations; 14 caribou; 40 flights) and ad. two-year olds (27 locations; 7 caribou; 40 flights) in winter, 1992-97.

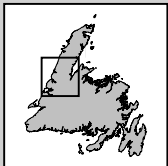
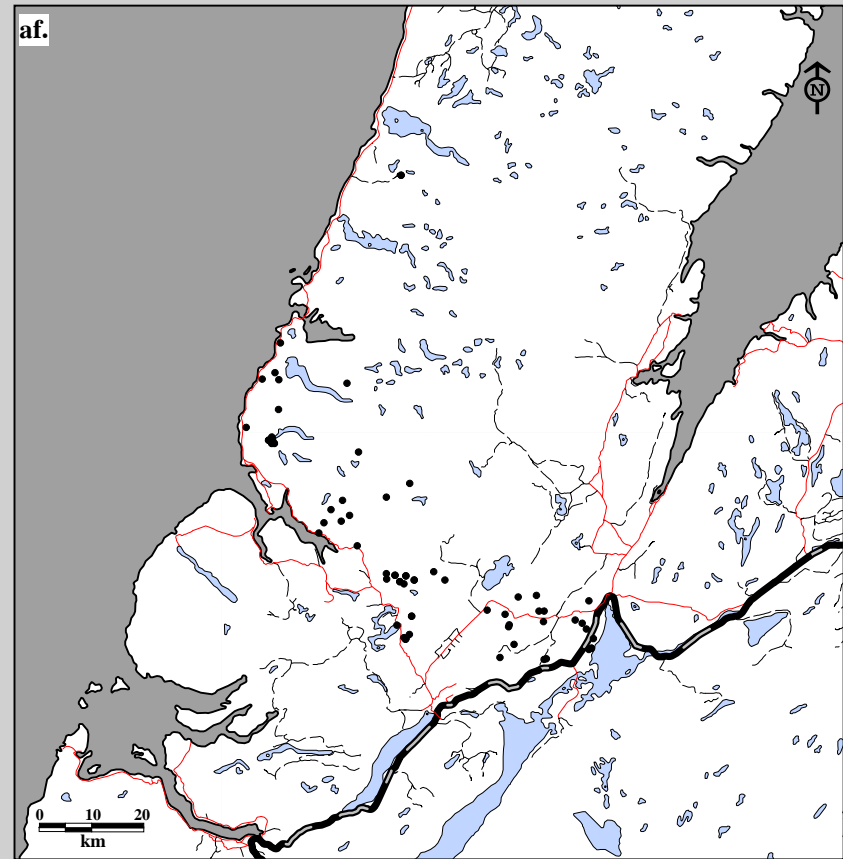
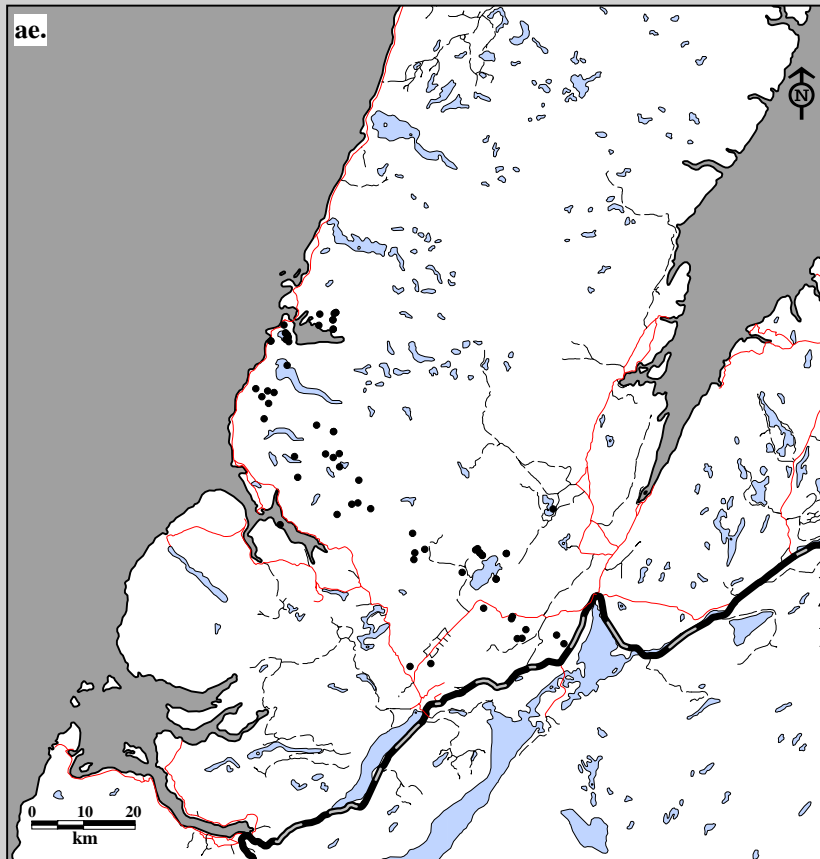
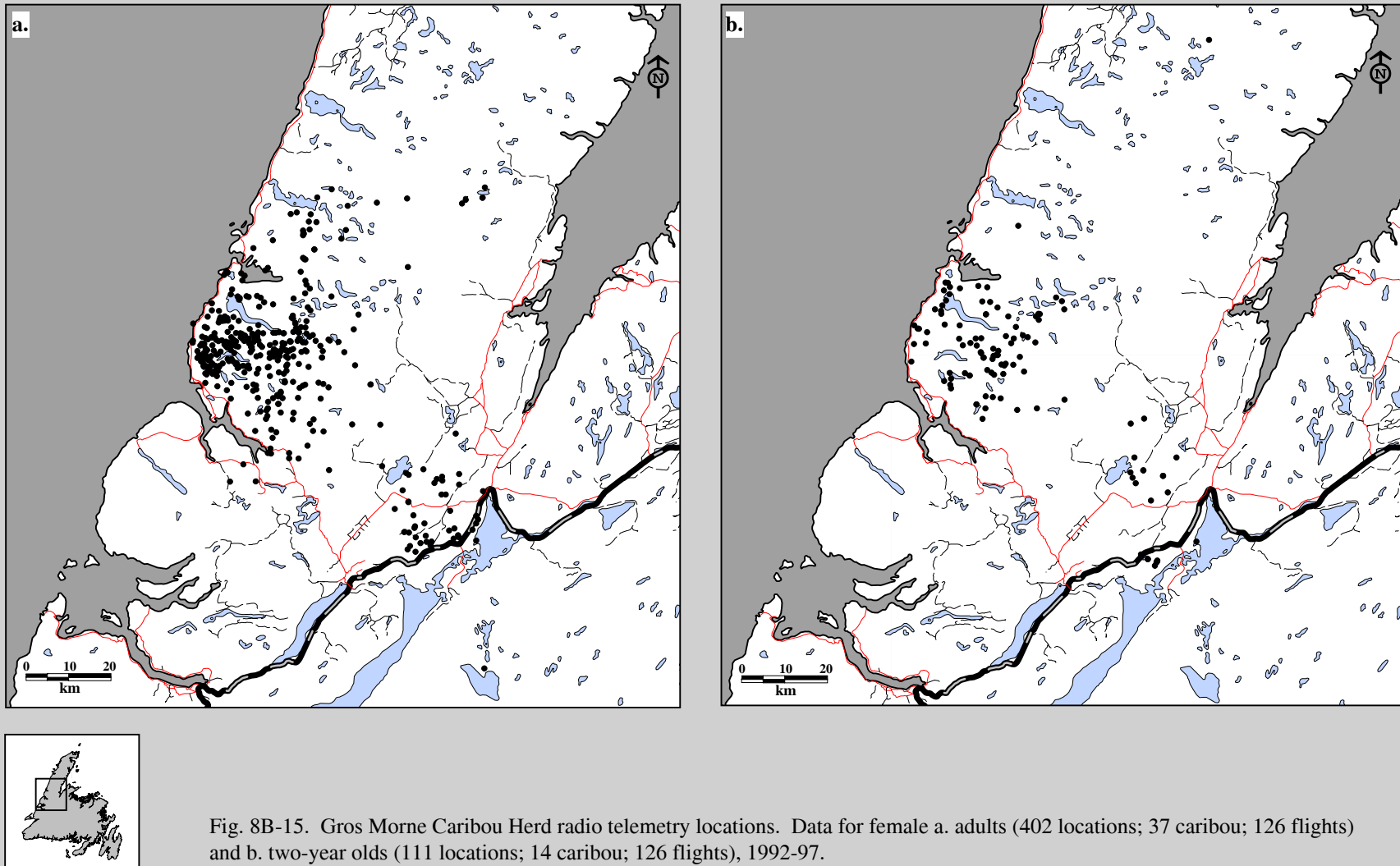


Fig. 8B-14. Gros Morne Caribou Herd radio telemetry locations. Data for male ae. yearlings (67 locations; 12 caribou; 40 flights) and af. calves (72 locations; 15 caribou; 40 flights) in winter, 1992-97.



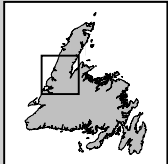
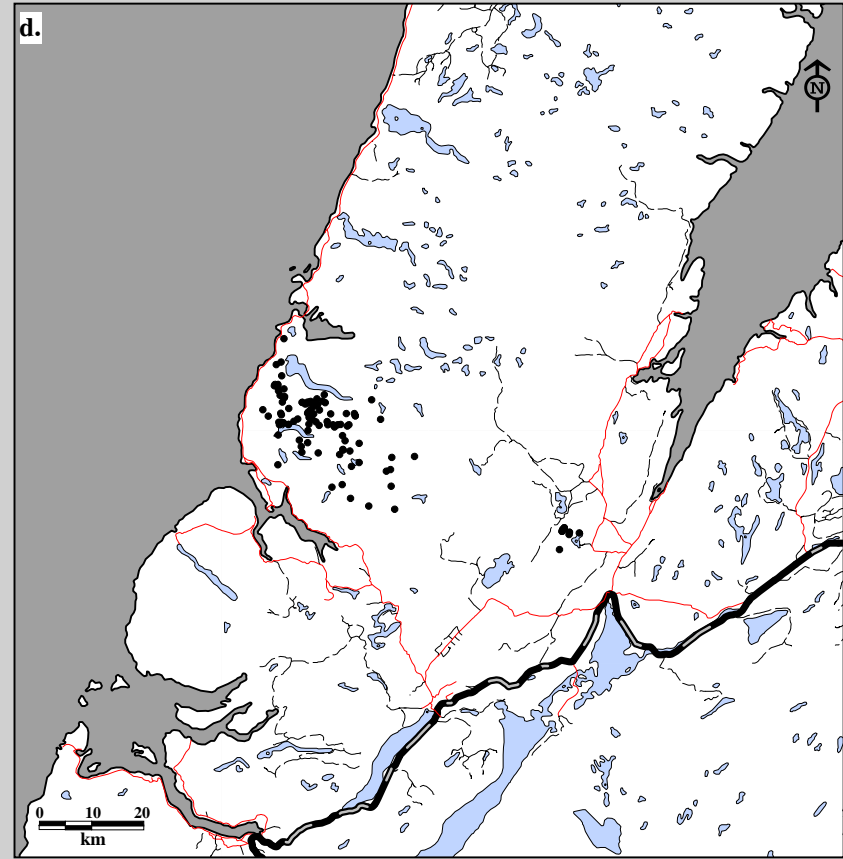
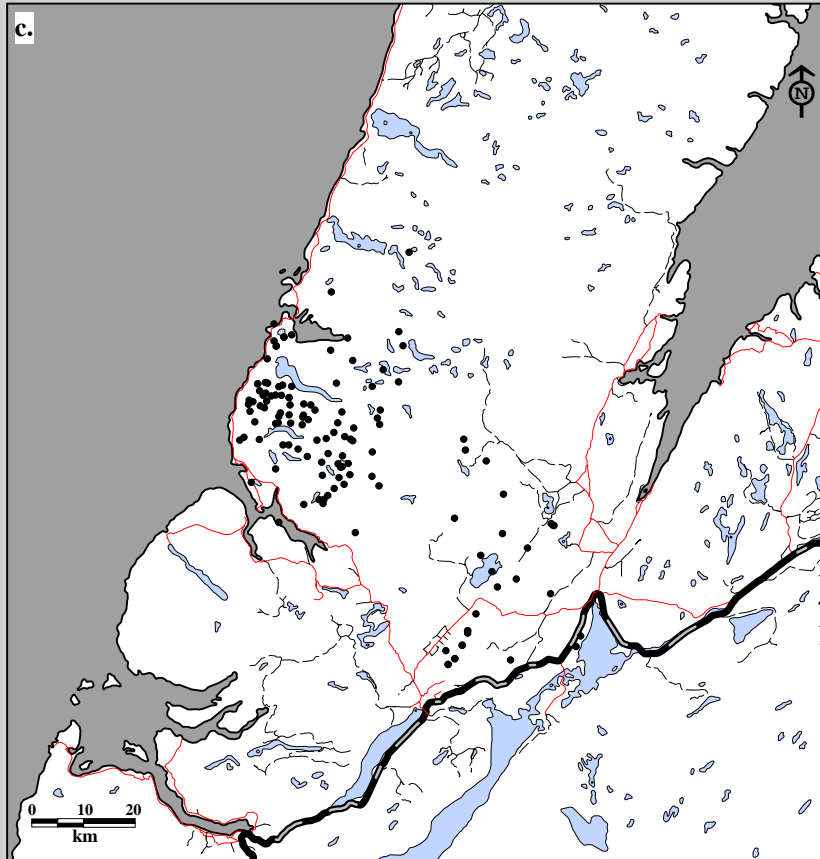


Fig. 8B-15. Gros Morne Caribou Herd radio telemetry locations. Data for female c. yearlings (128 locations; 18 caribou; 126 flights) and d. calves (116 locations; 25 caribou; 126 flights) 1992-97.

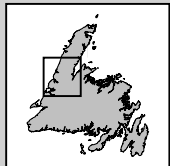
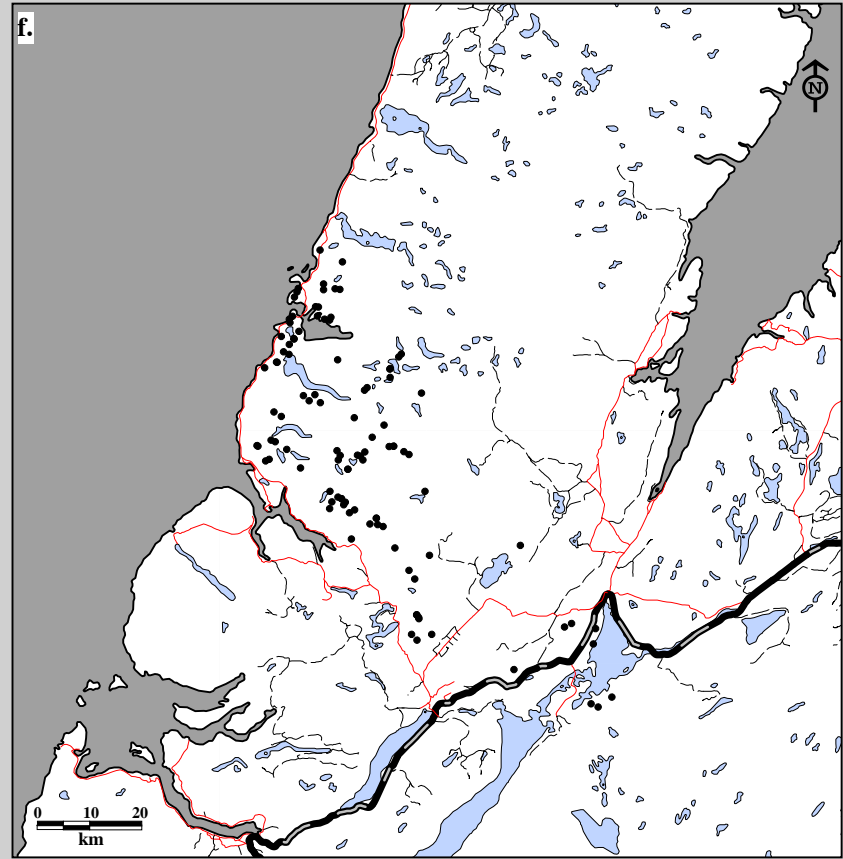
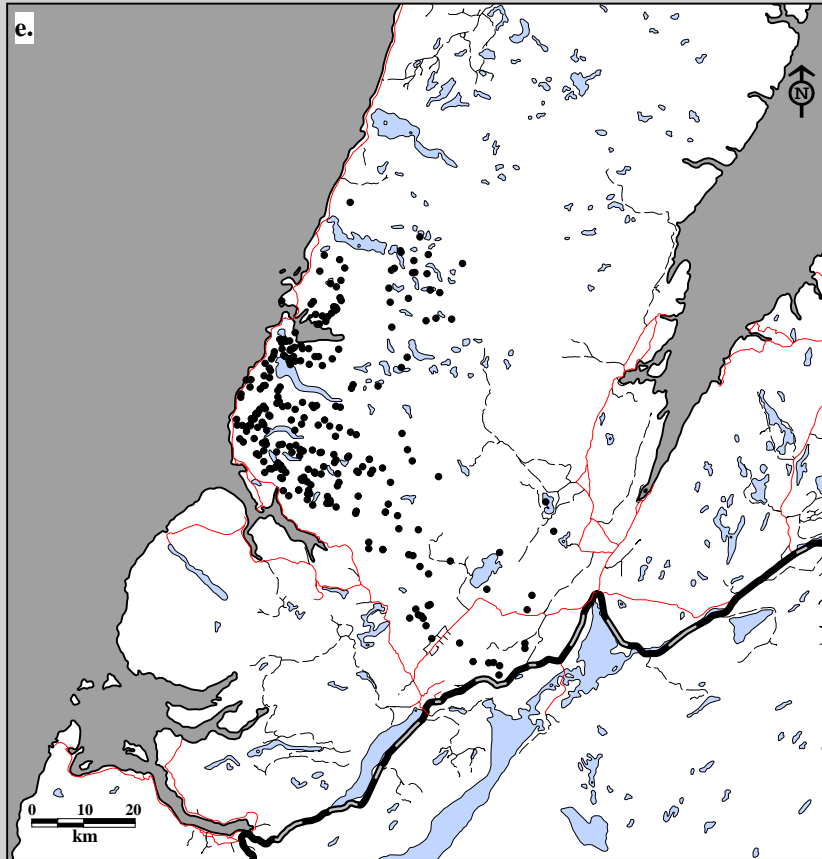


Fig. 8B-15. Gros Morne Caribou Herd radio telemetry locations. Data for male e. adults (272 locations; 17 caribou; 126 flights) and f. two-year olds (105 locations; 12 caribou; 126 flights) 1992-97.

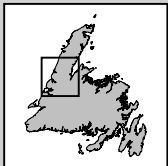
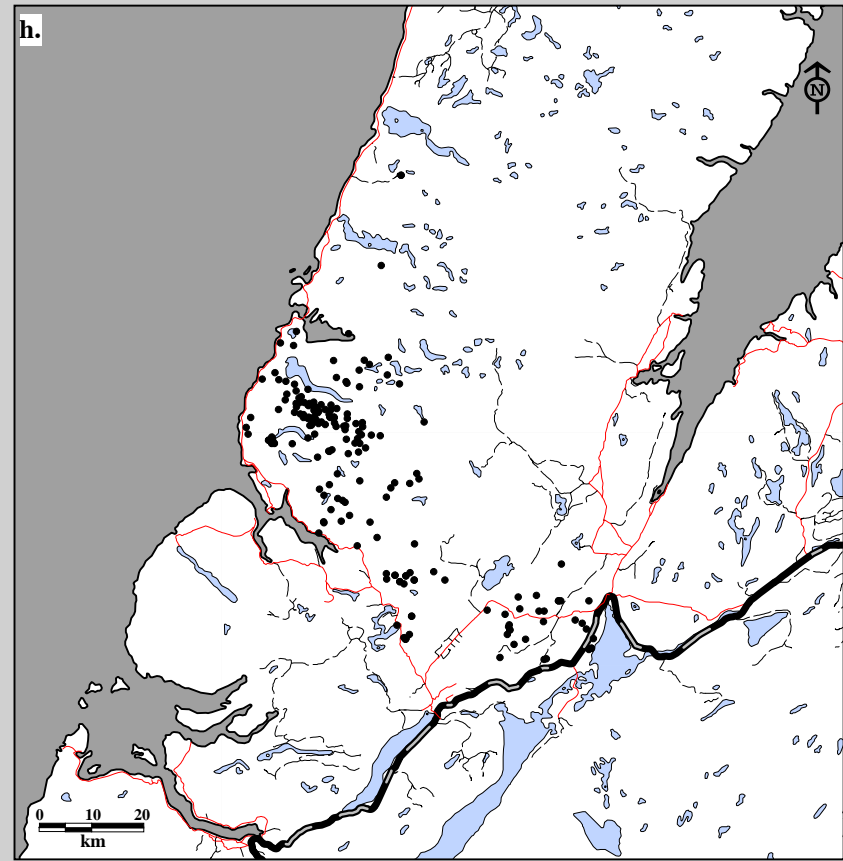
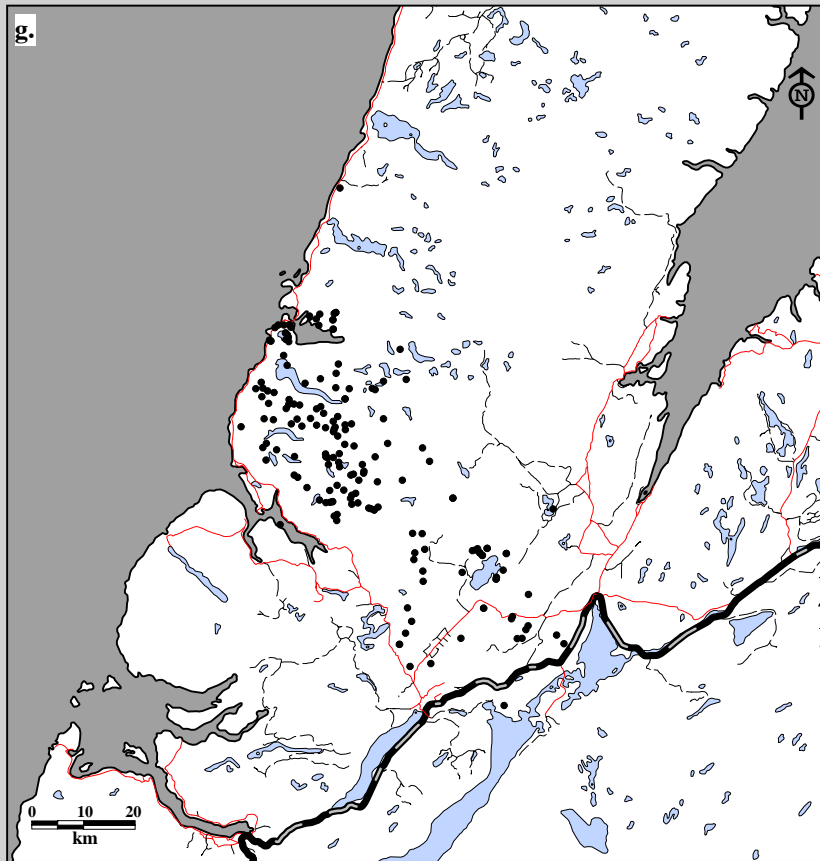


Fig. 8B-15. Gros Morne Caribou Herd radio telemetry locations. Data for male g. yearlings (175 locations; 23 caribou; 126 flights) and h. calves (191 locations; 37 caribou; 126 flights), 1992-97.

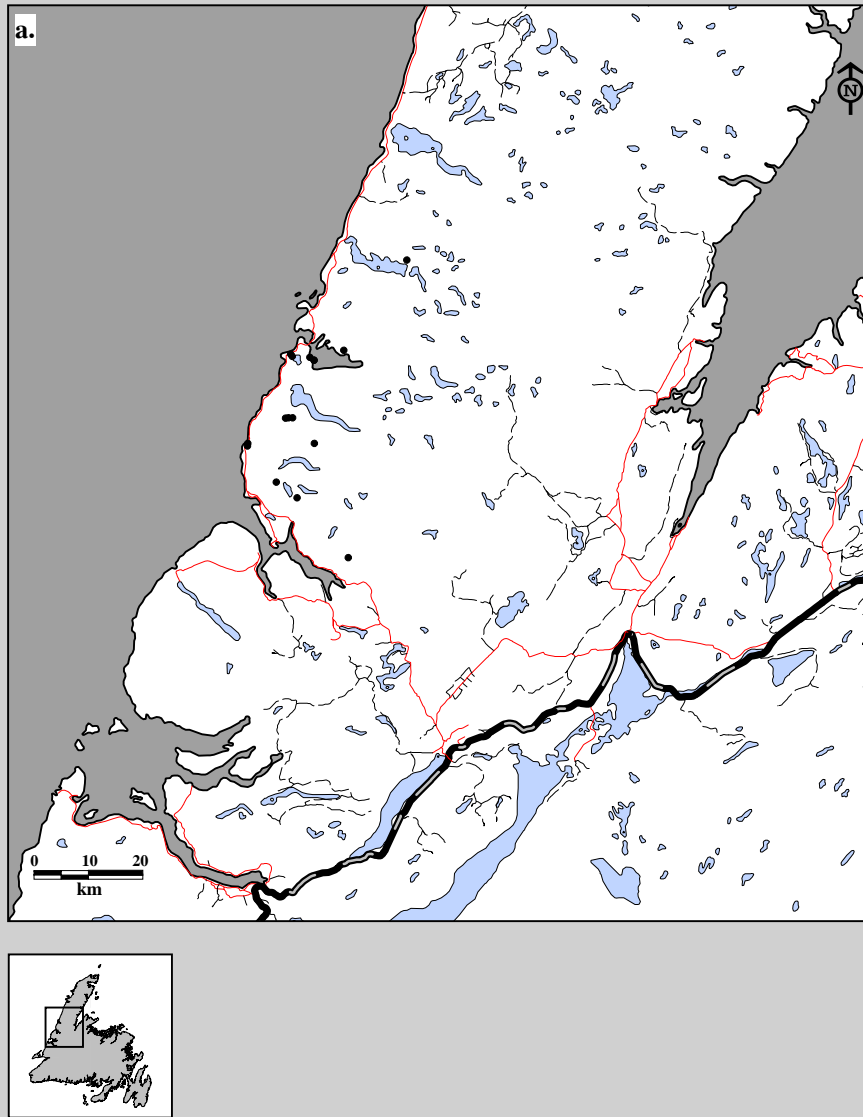


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for female a. adults (16 locations; 12 caribou; 3 flights) in winter, 1992-93.



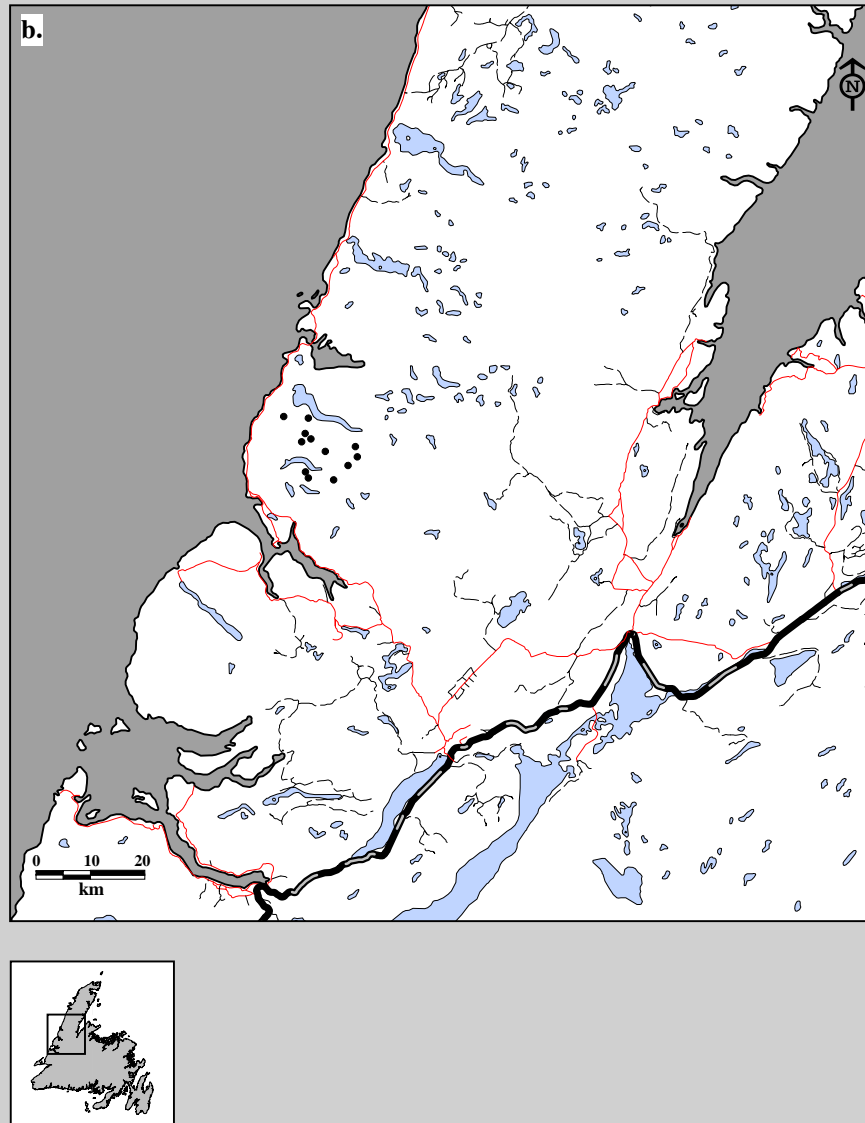


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for female b. adults (12 locations; 11 caribou; 4 flights) in spring, 1993-94.

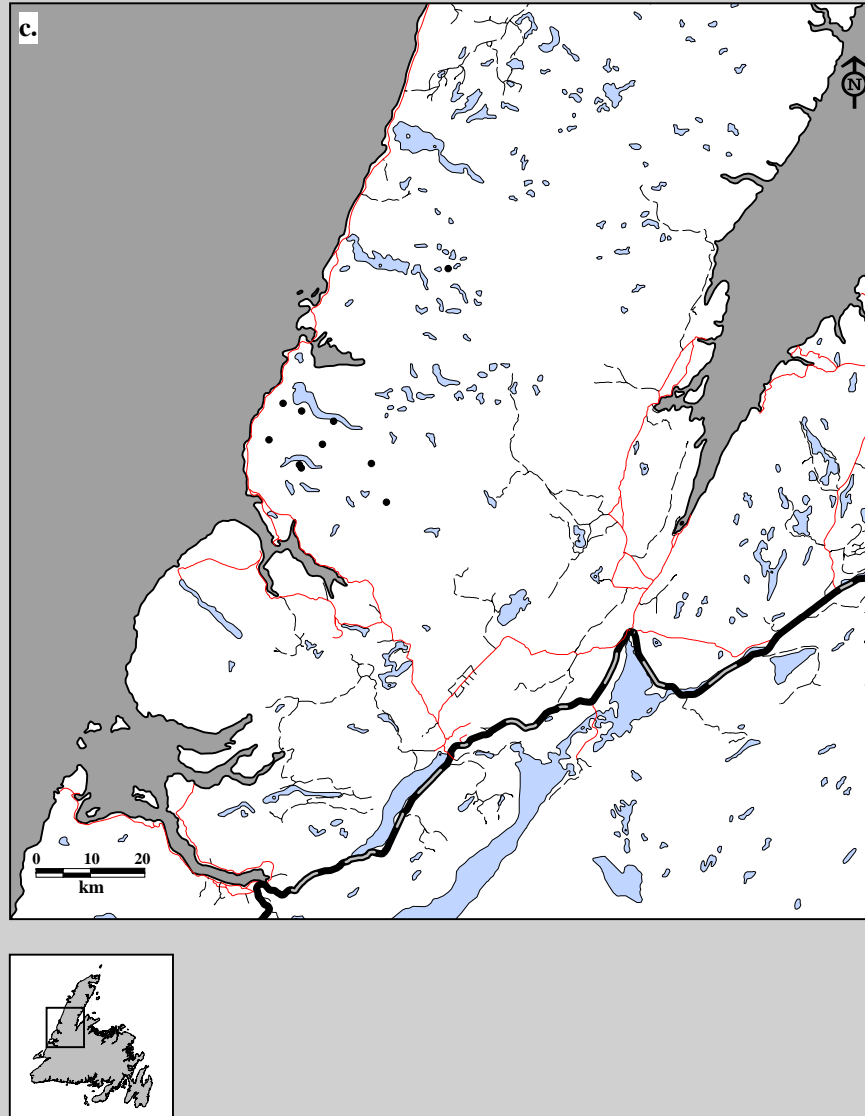


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for female c. adults (10 locations; 10 caribou; 7 flights) in spring, 1994-95.

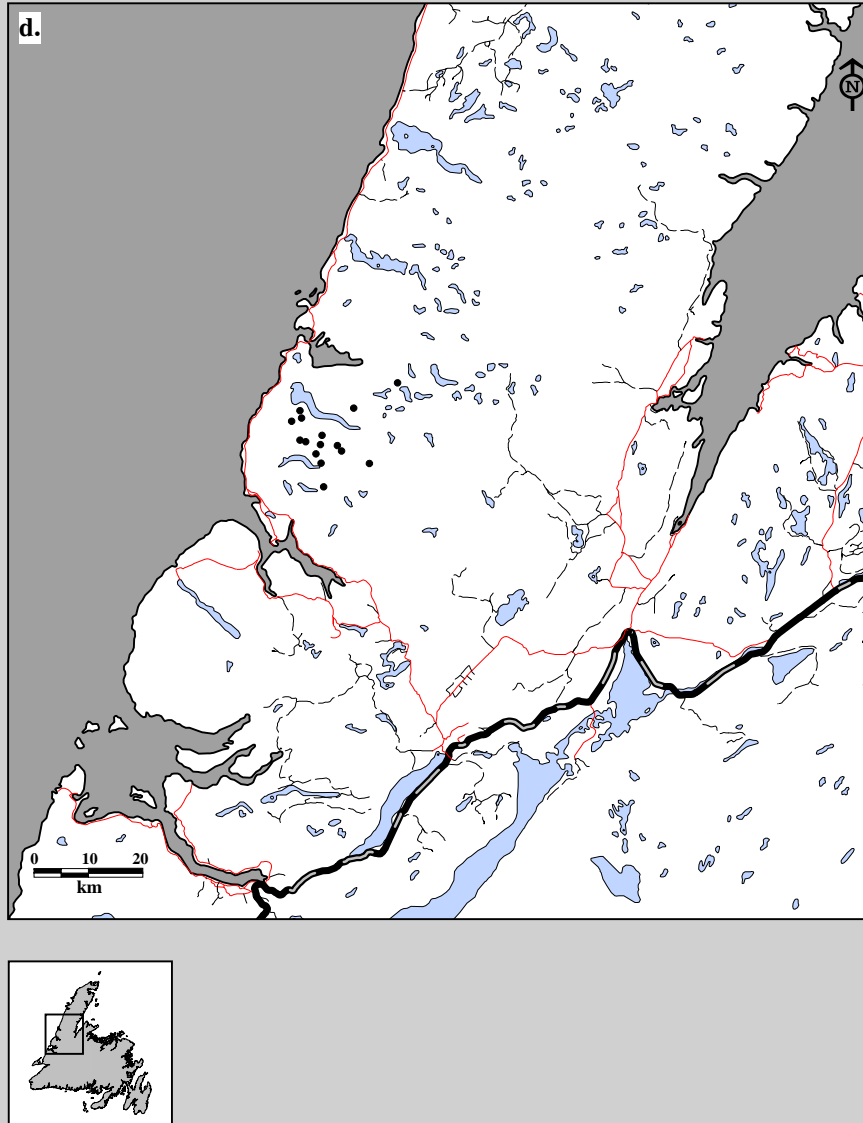


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for male d. calves (15 locations; 14 caribou; 7 flights) in spring, 1994-95.

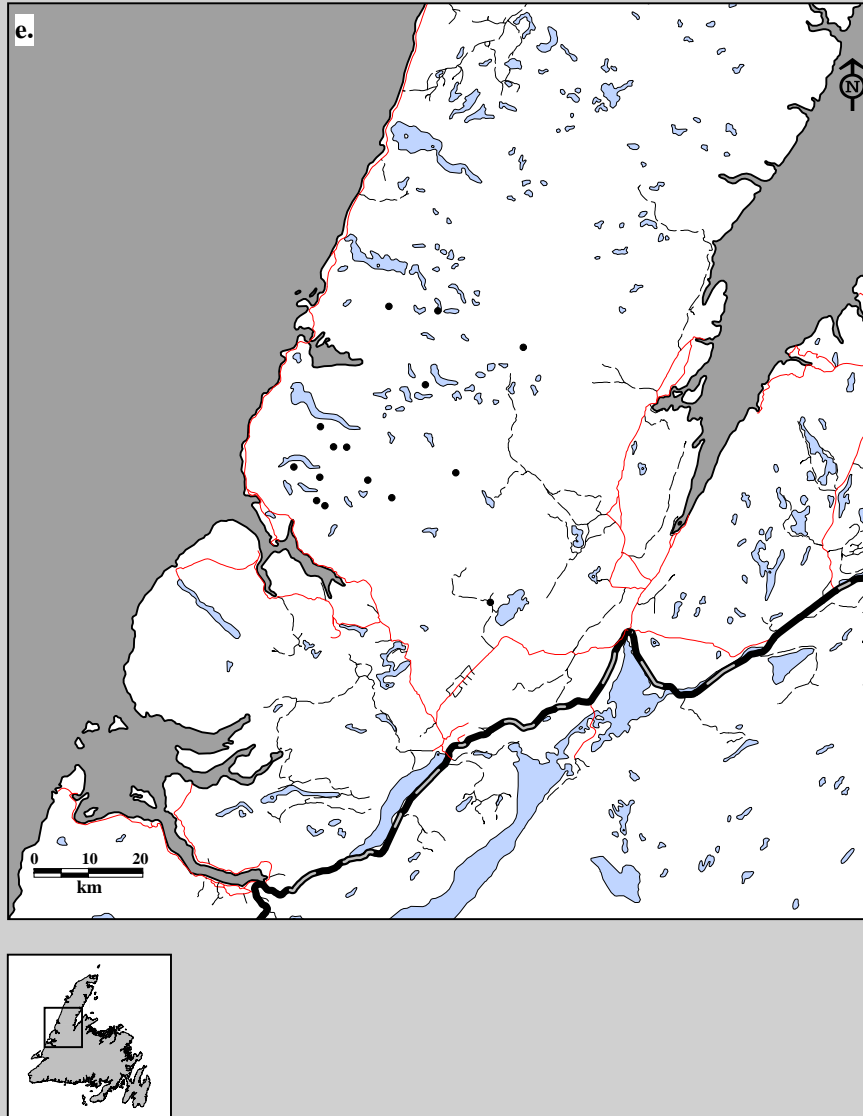


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for female e. adults (15 locations; 15 caribou; 5 flights) in summer, 1994-95.

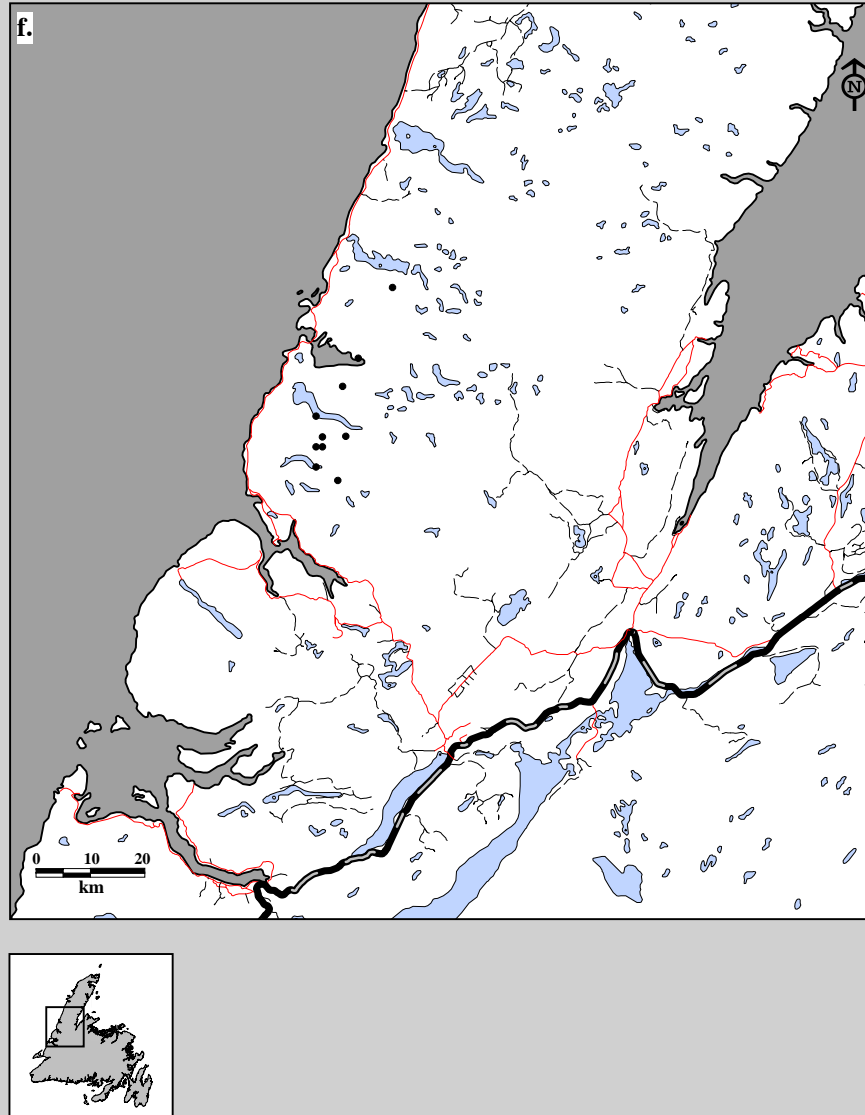


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for male f. calves (10 locations; 10 caribou; 5 flights) in summer, 1994-95.

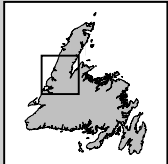
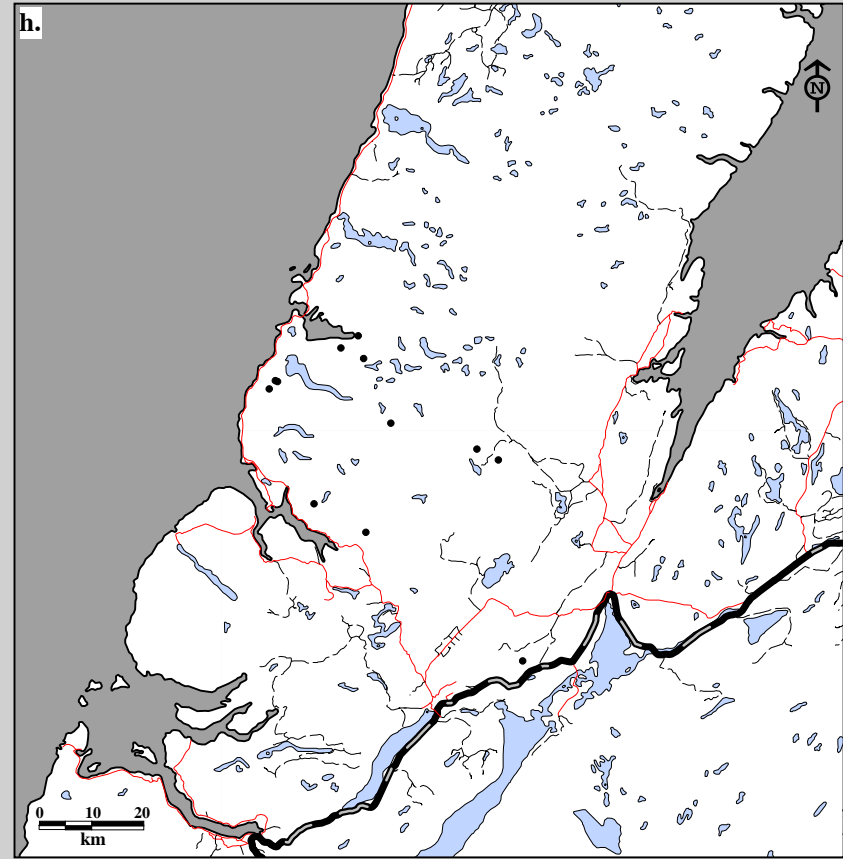
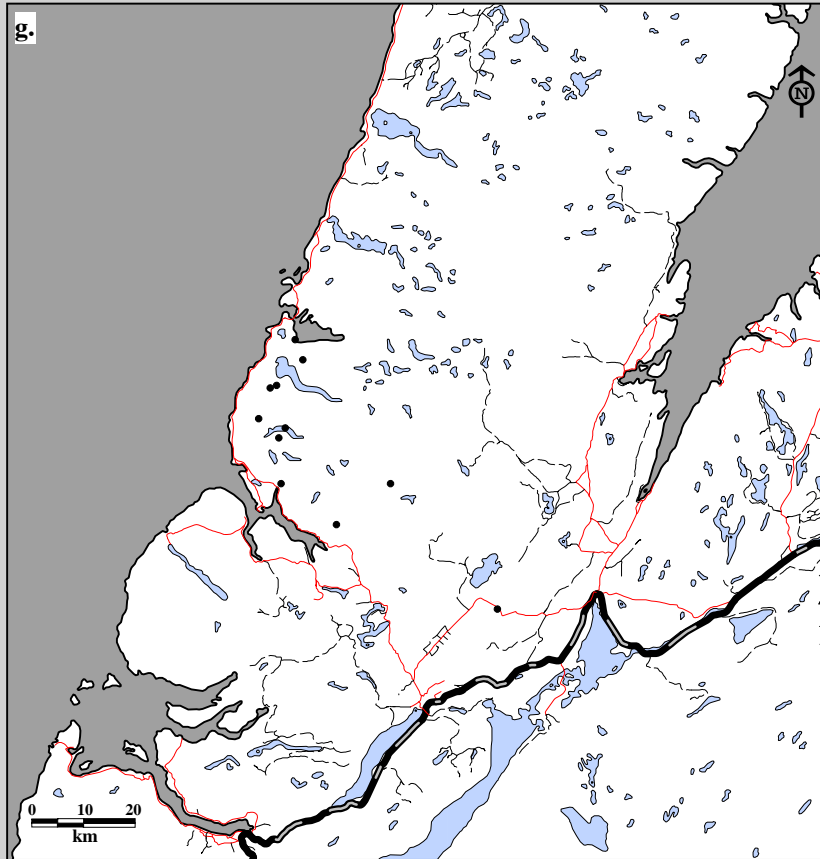


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for female g. adults (11 locations; 10 caribou; 7 flights) and h. yearlings (12 locations; 6 caribou; 7 flights) in winter, 1994-95.

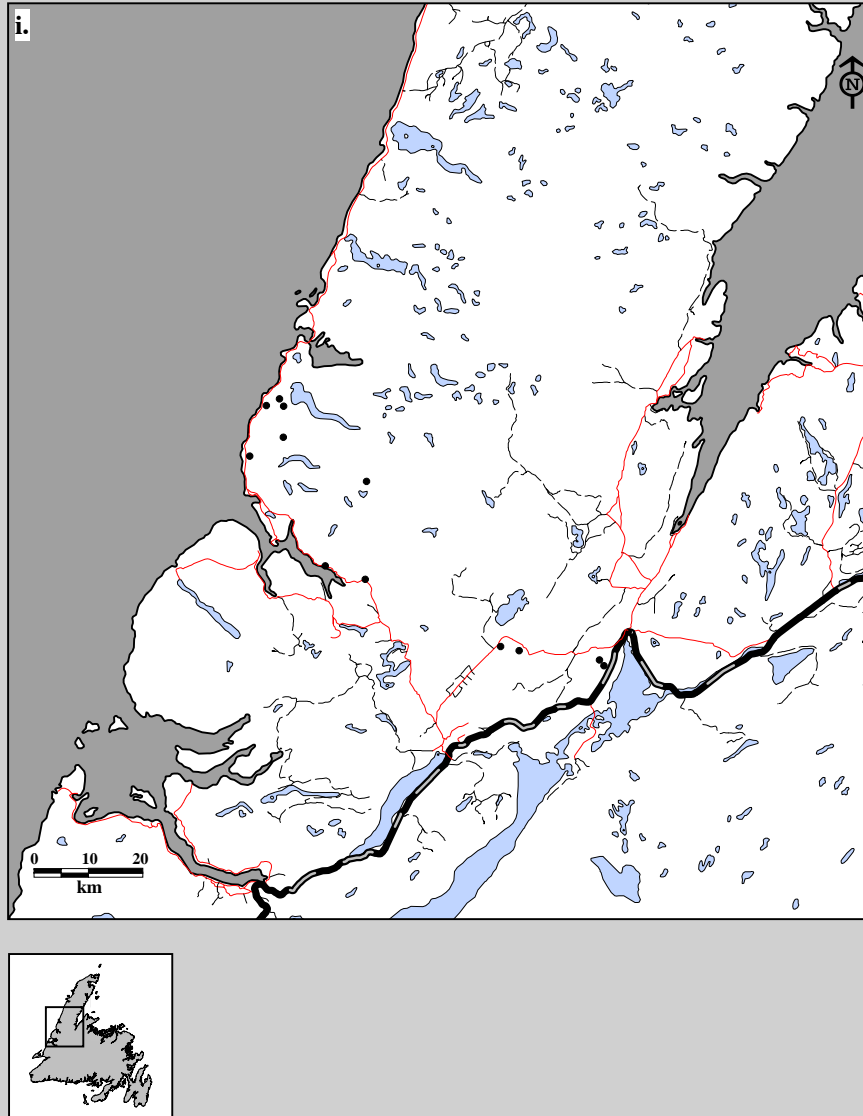


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for male i. calves (12 locations; 7 caribou; 7 flights) in winter, 1994-95.

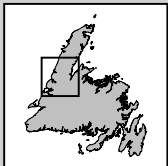
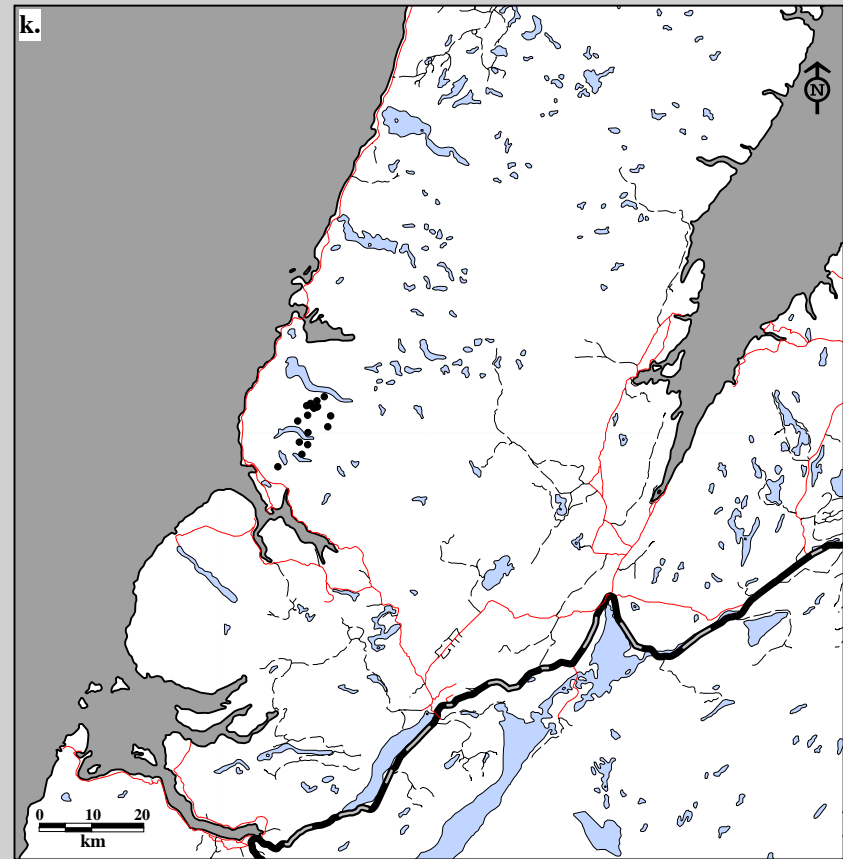
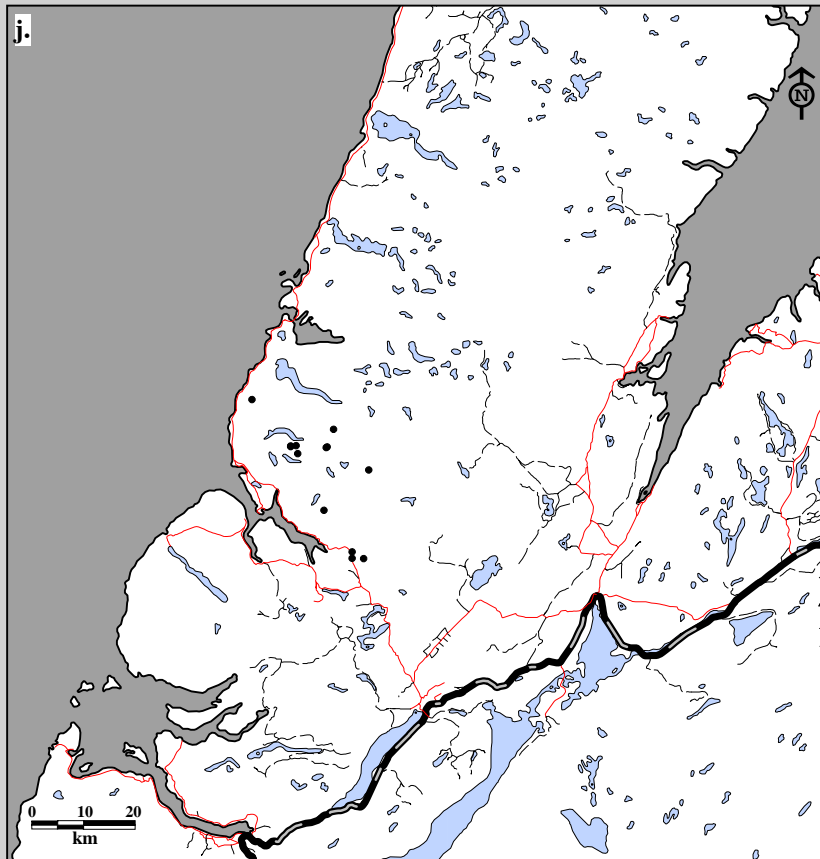


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for female j. adults (13 locations; 6 caribou; 8 flights) and k. calves (17 locations; 13 caribou; 8 flights) in spring, 1995-96.



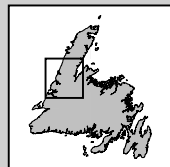
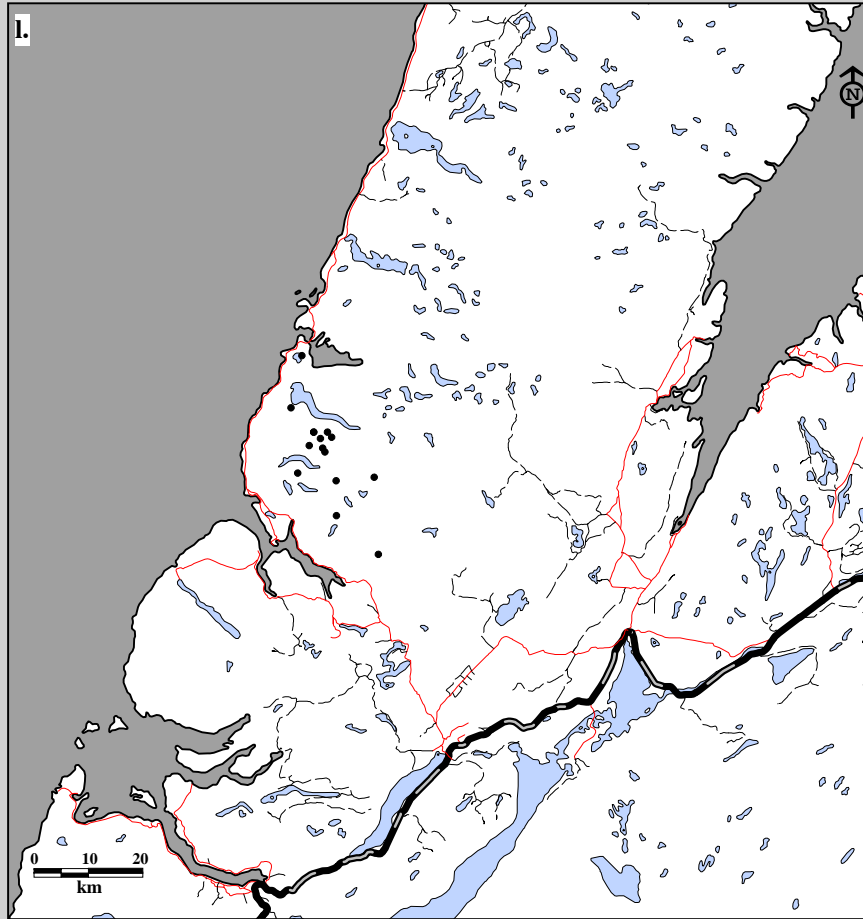


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for male 1. calves (15 locations; 12 caribou; 8 flights) in spring, 1995-96.

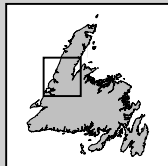
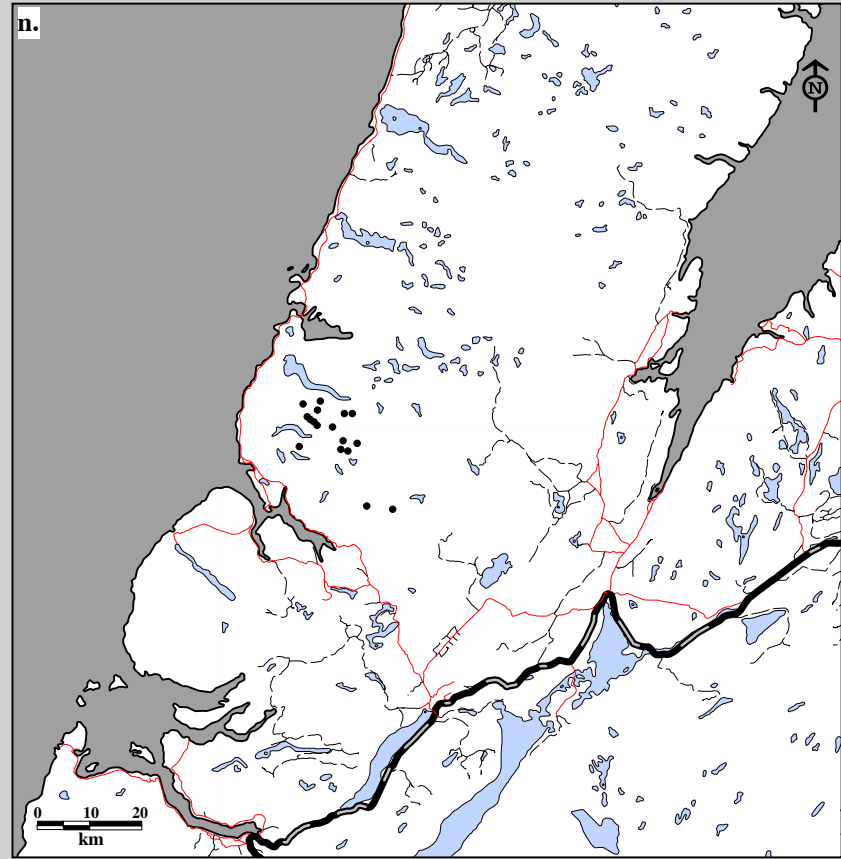
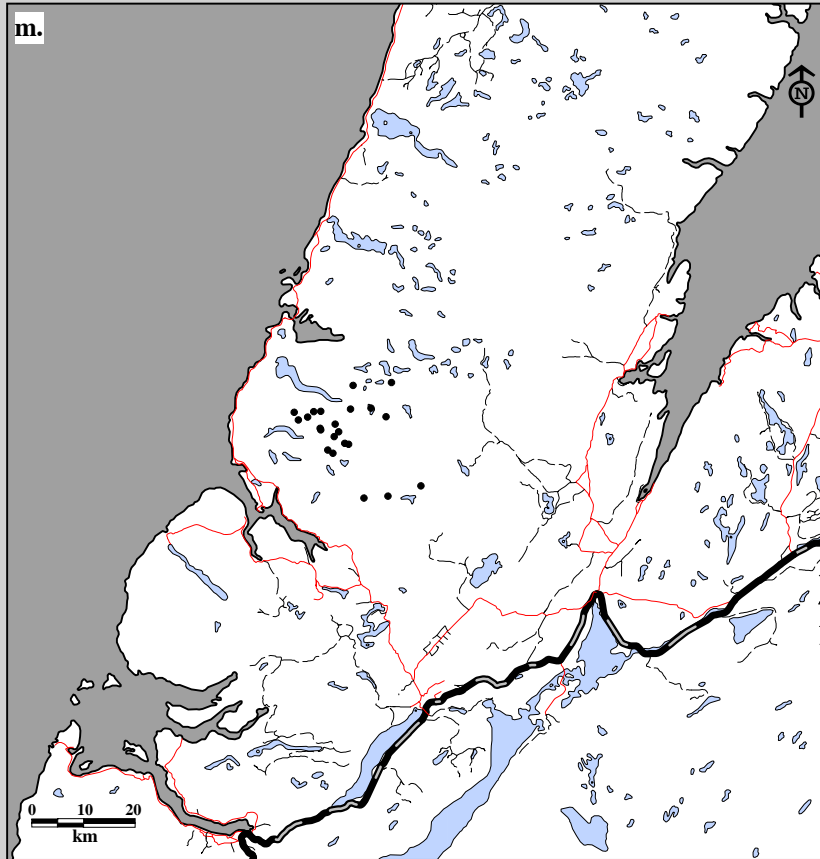


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for female m. two-year olds (22 locations; 6 caribou; 7 flights) and n. calves (17 locations; 5 caribou; 7 flights) in summer, 1995-96.

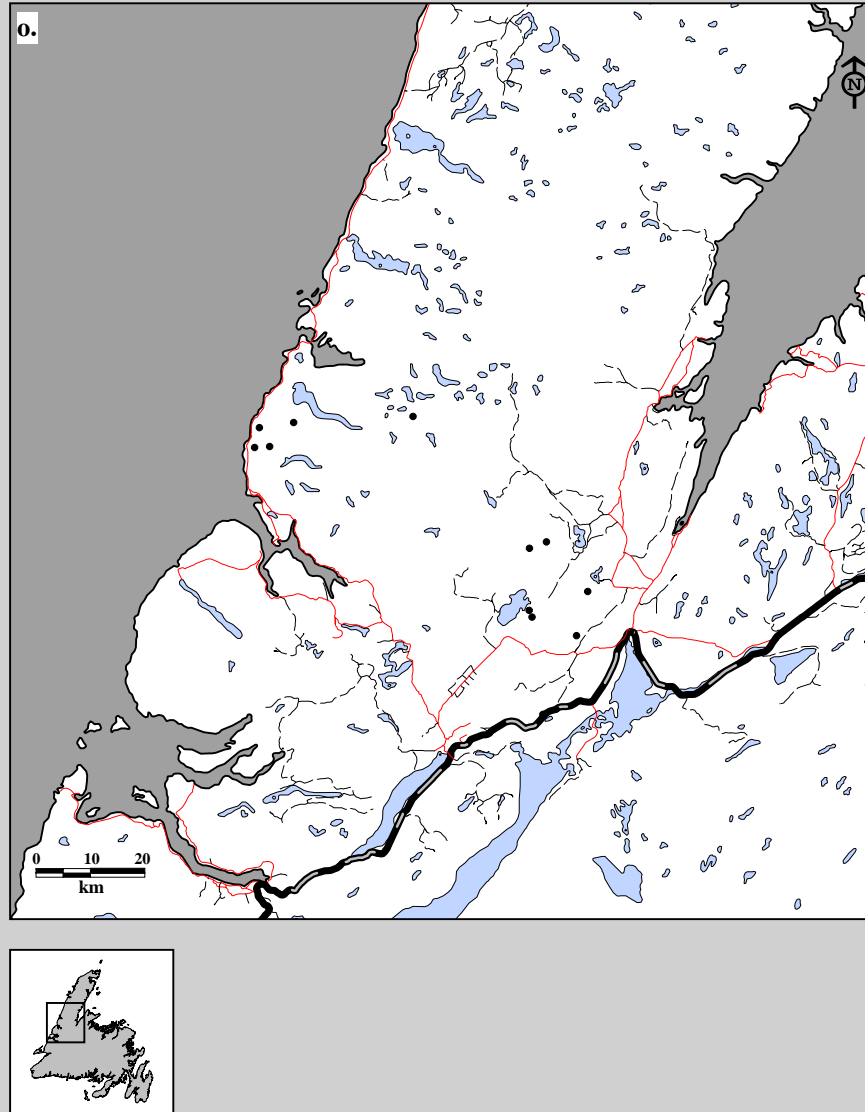


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for male o. two-year olds (11 locations; 3 caribou; 7 flights) in summer, 1995-96.

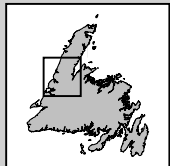
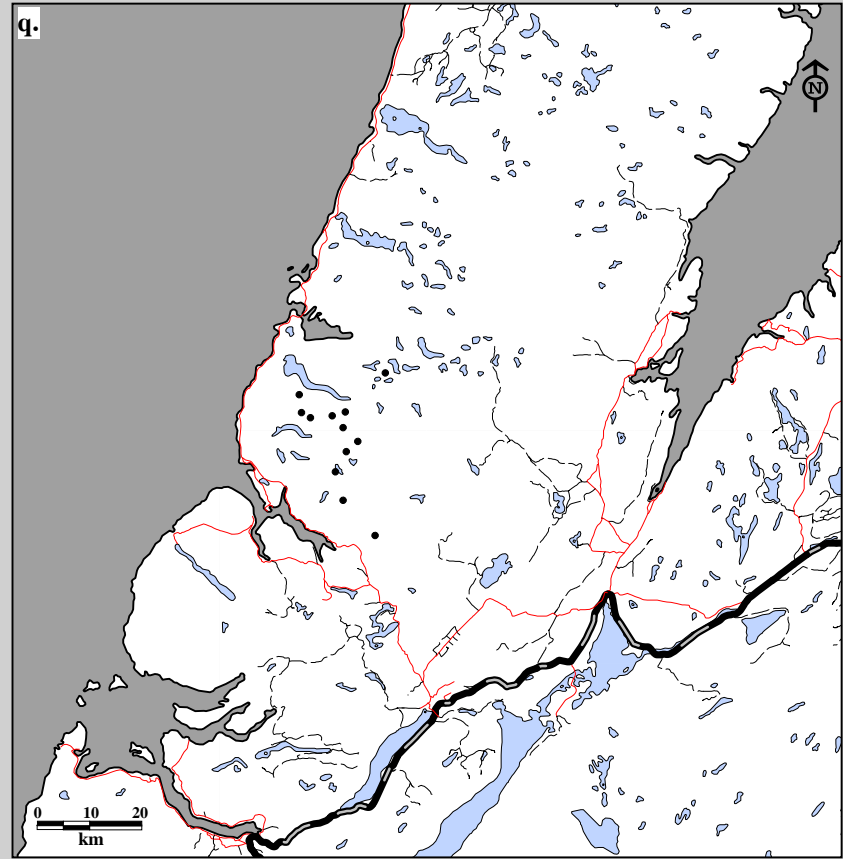
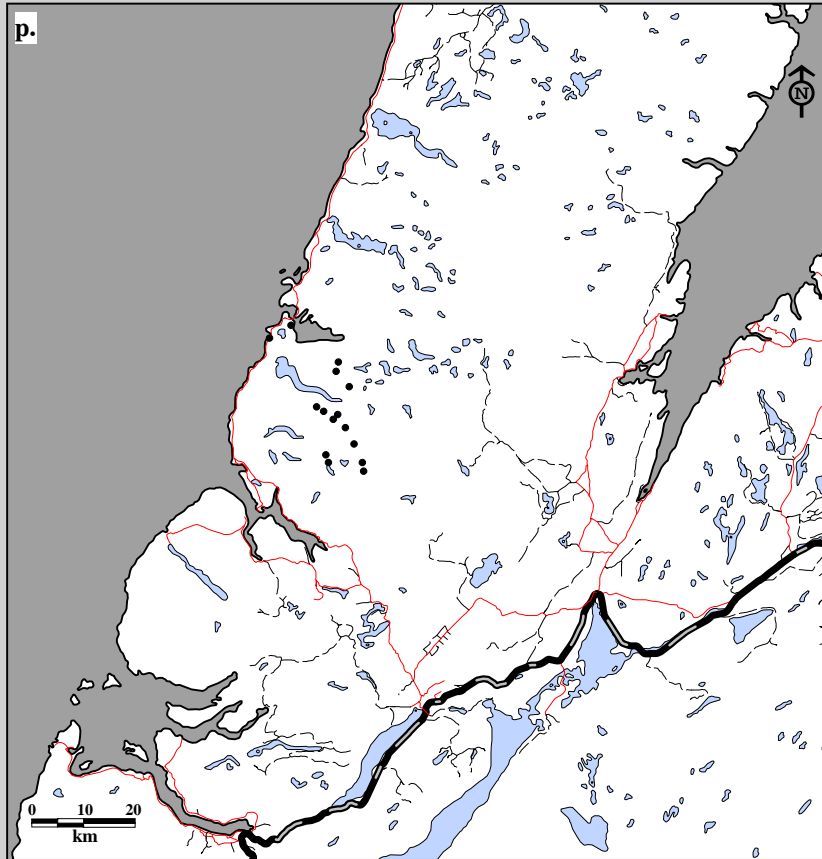


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for male p. yearlings (15 locations; 5 caribou; 7 flights) and q. calves (12 locations; 4 caribou; 7 flights) in summer, 1995-96.

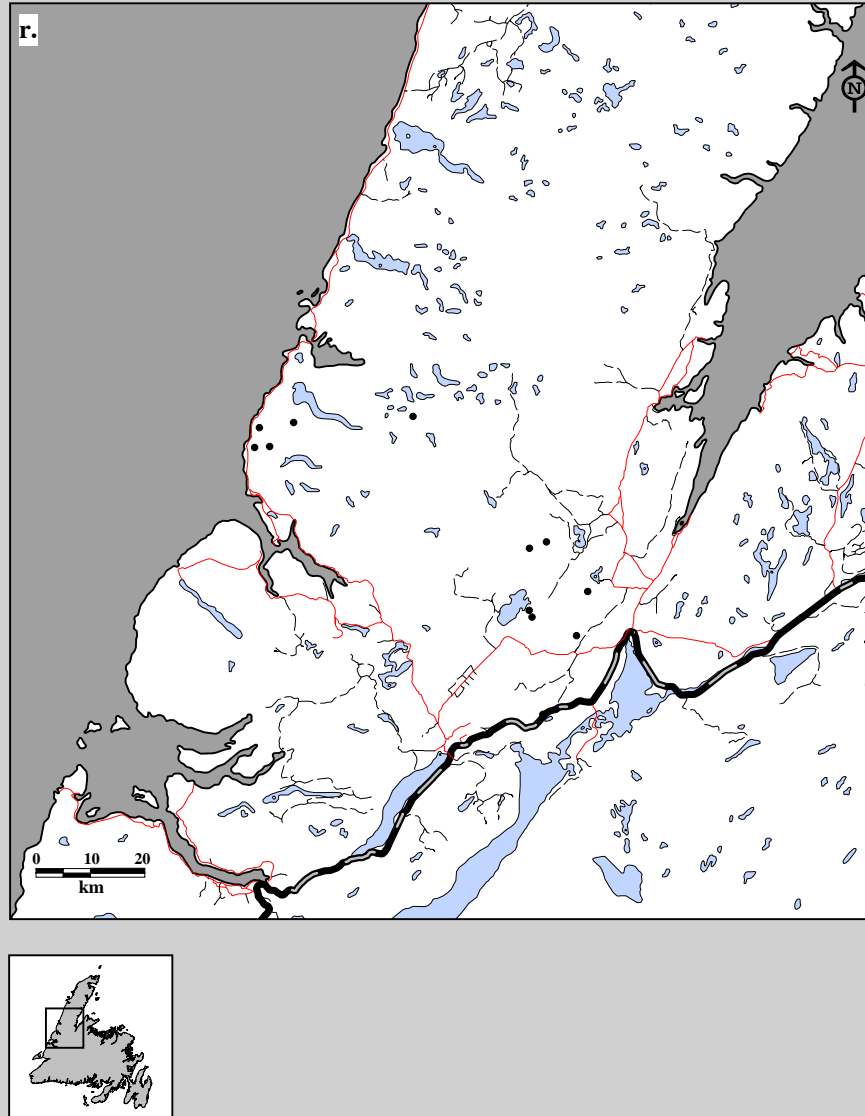


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for female r. two-year olds (12 locations; 6 caribou; 5 flights) in fall, 1995-96.

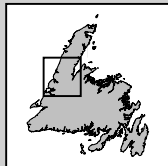
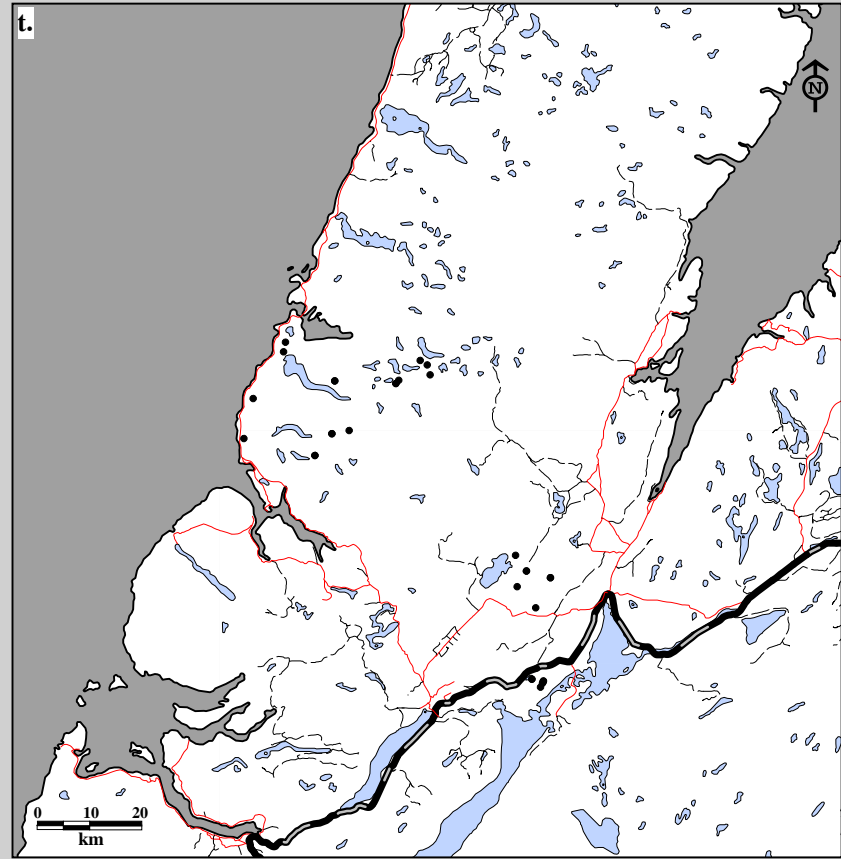
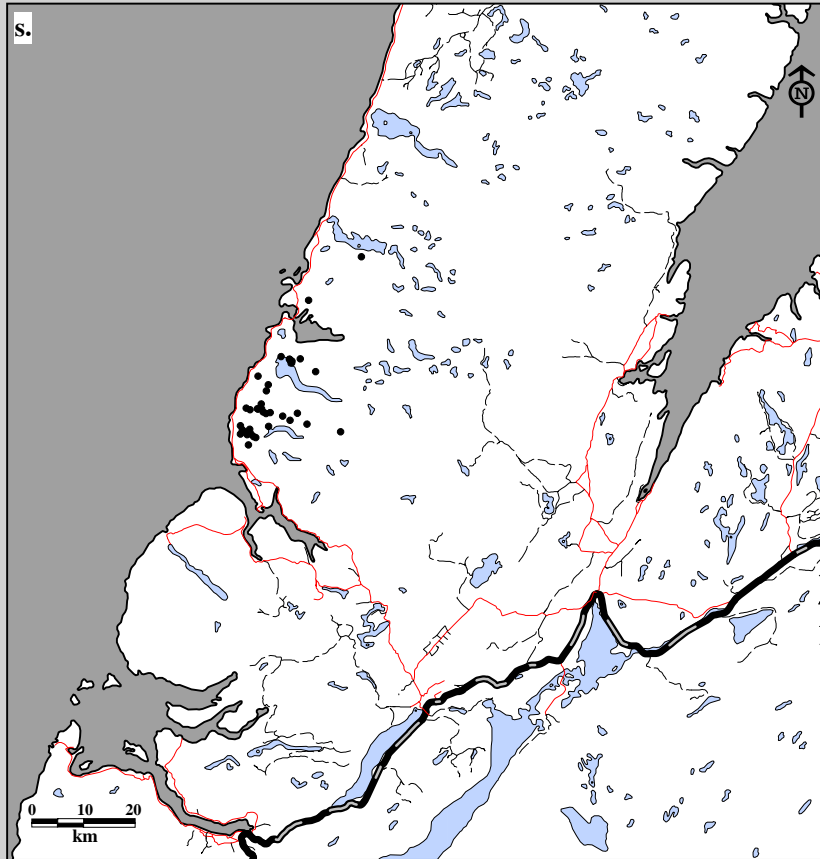
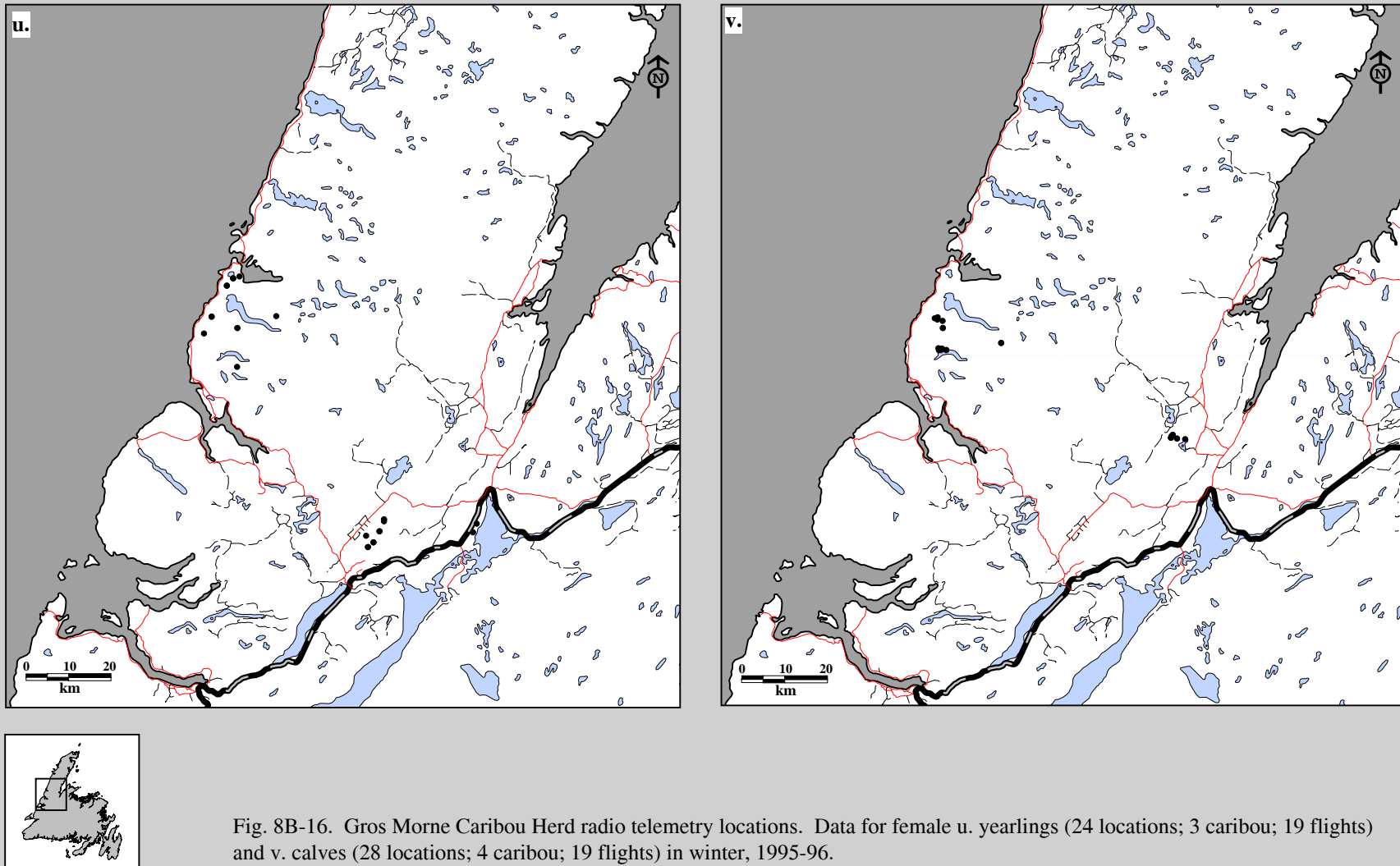


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for female s. adults (38 locations; 10 caribou; 19 flights) and t. two-year olds (31 locations; 5 caribou; 19 flights) in winter, 1995-96.



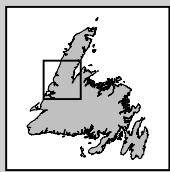
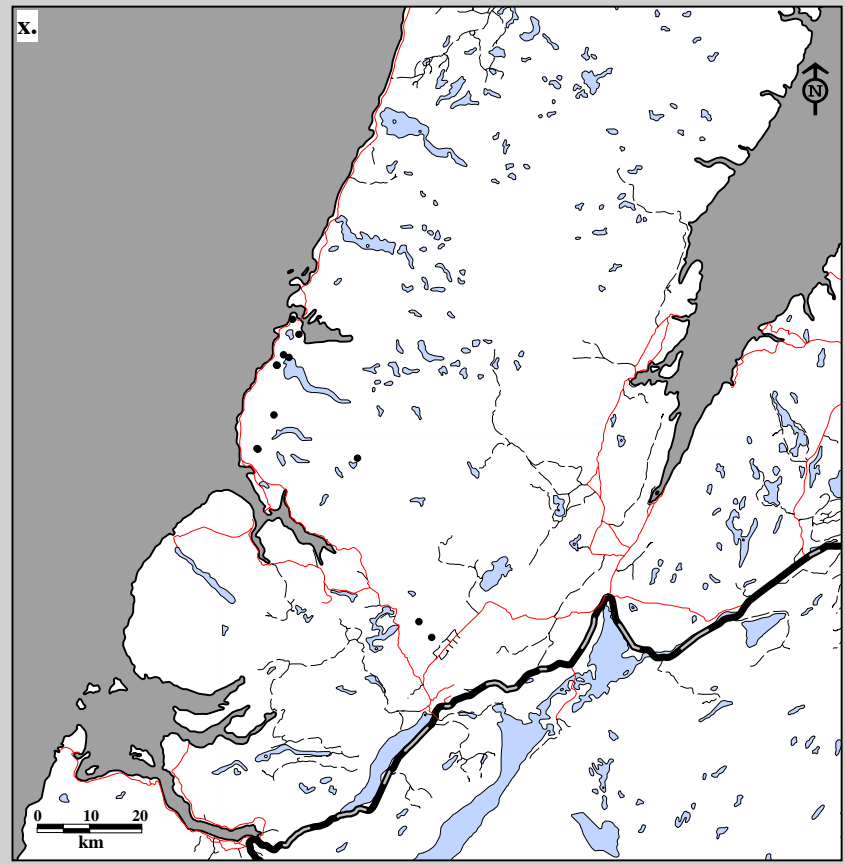
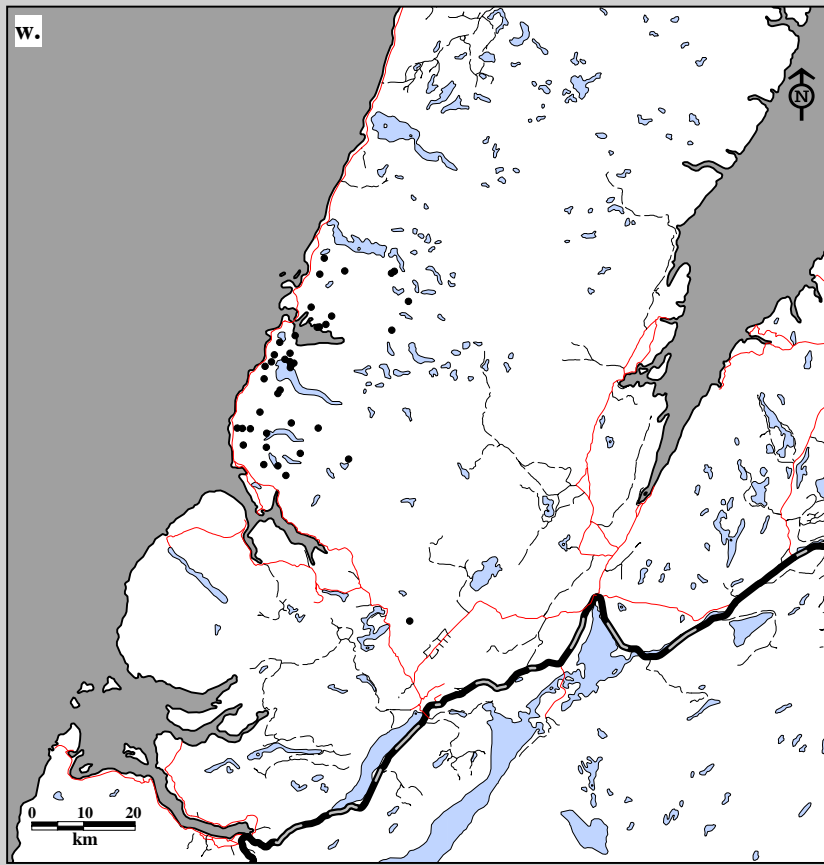


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for male w. adults (41 locations; 10 caribou; 19 flights) and x. two-year olds (12 locations; 4 caribou; 19 flights) in winter, 1995-96.



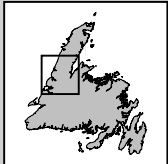
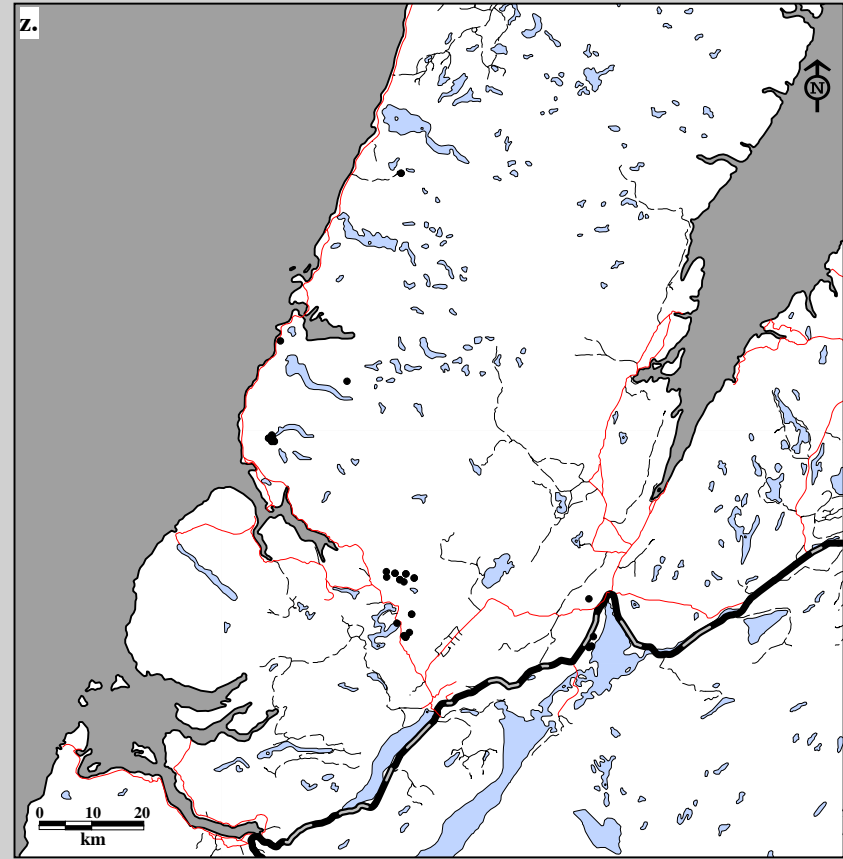
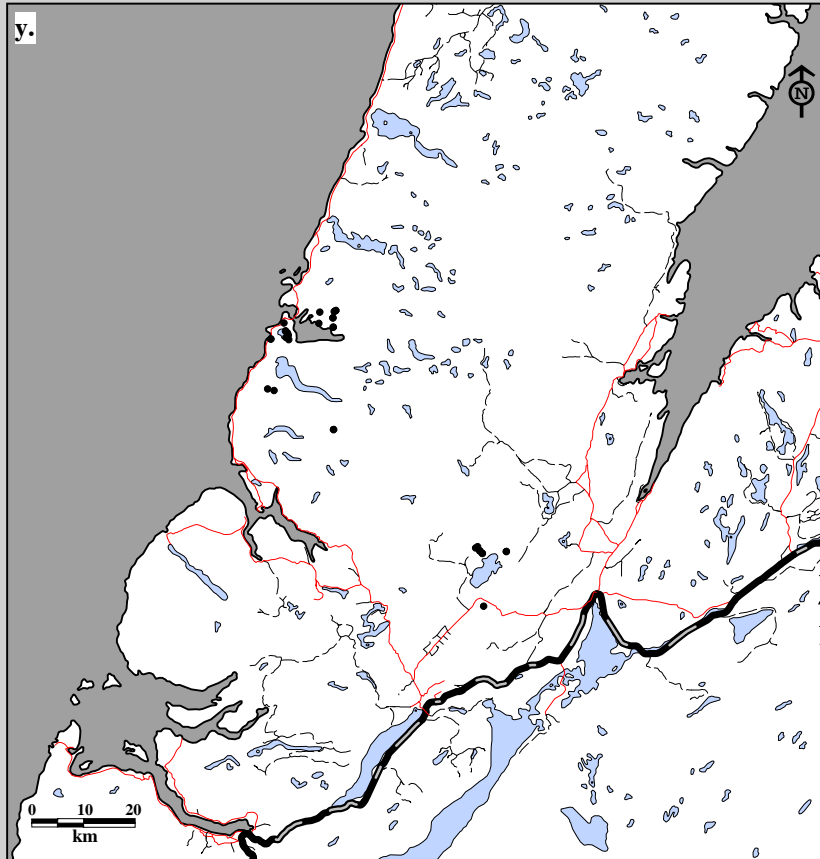


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for male y. yearlings (32 locations; 5 caribou; 19 flights) and z. calves (39 locations; 4 caribou; 19 flights) in winter, 1995-96.

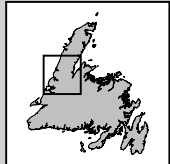
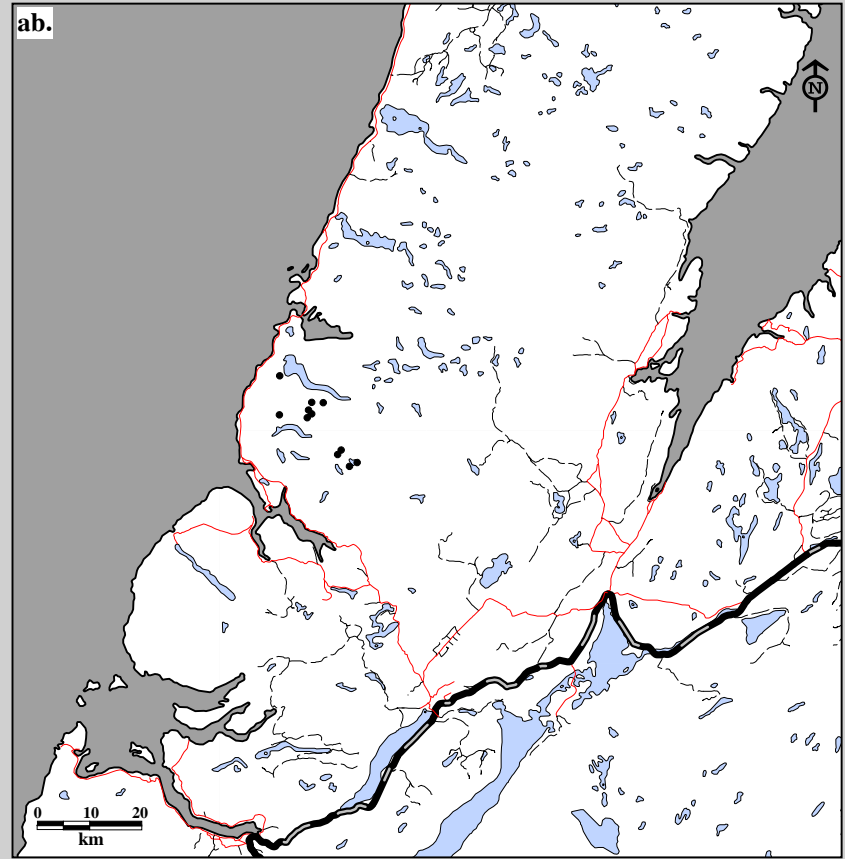
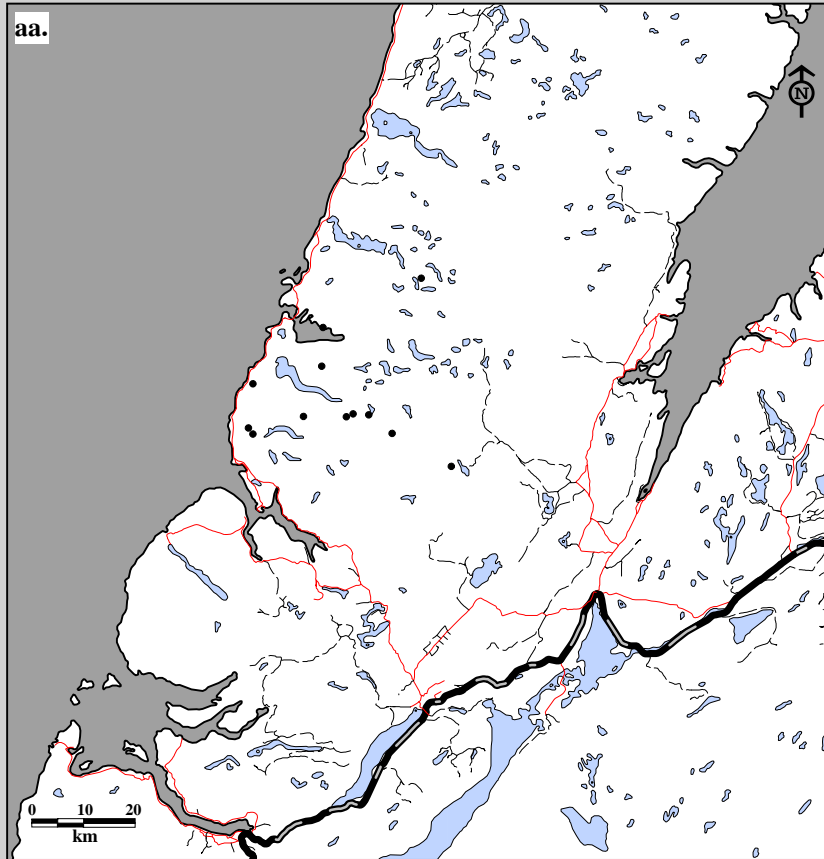


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for female aa. adults (12 locations; 7 caribou; 9 flights) and ab. calves (11 locations; 6 caribou; 9 flights) in spring, 1996-97.

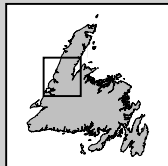
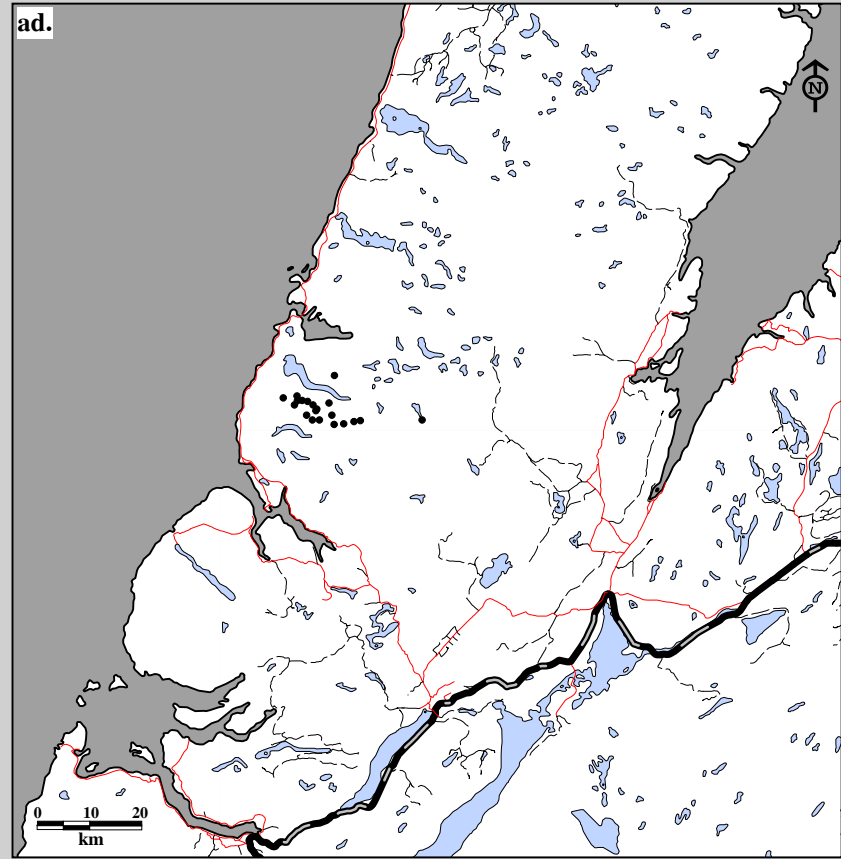
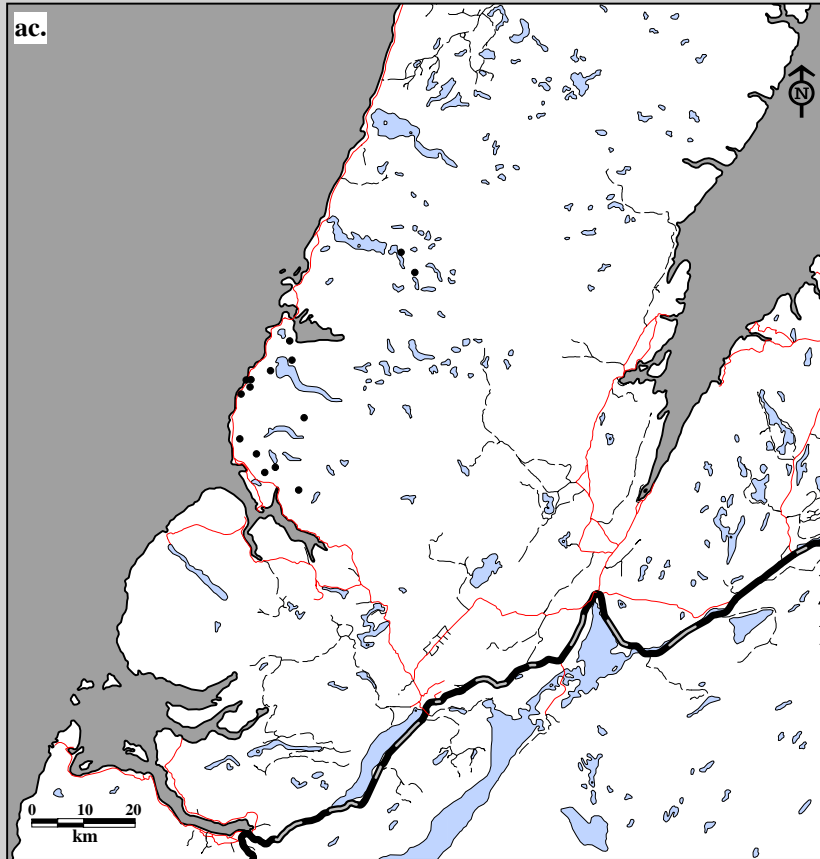


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for male ac. adults (15 locations; 8 caribou; 9 flights) and ad. calves (20 locations; 11 caribou; 9 flights) in spring, 1996-97.

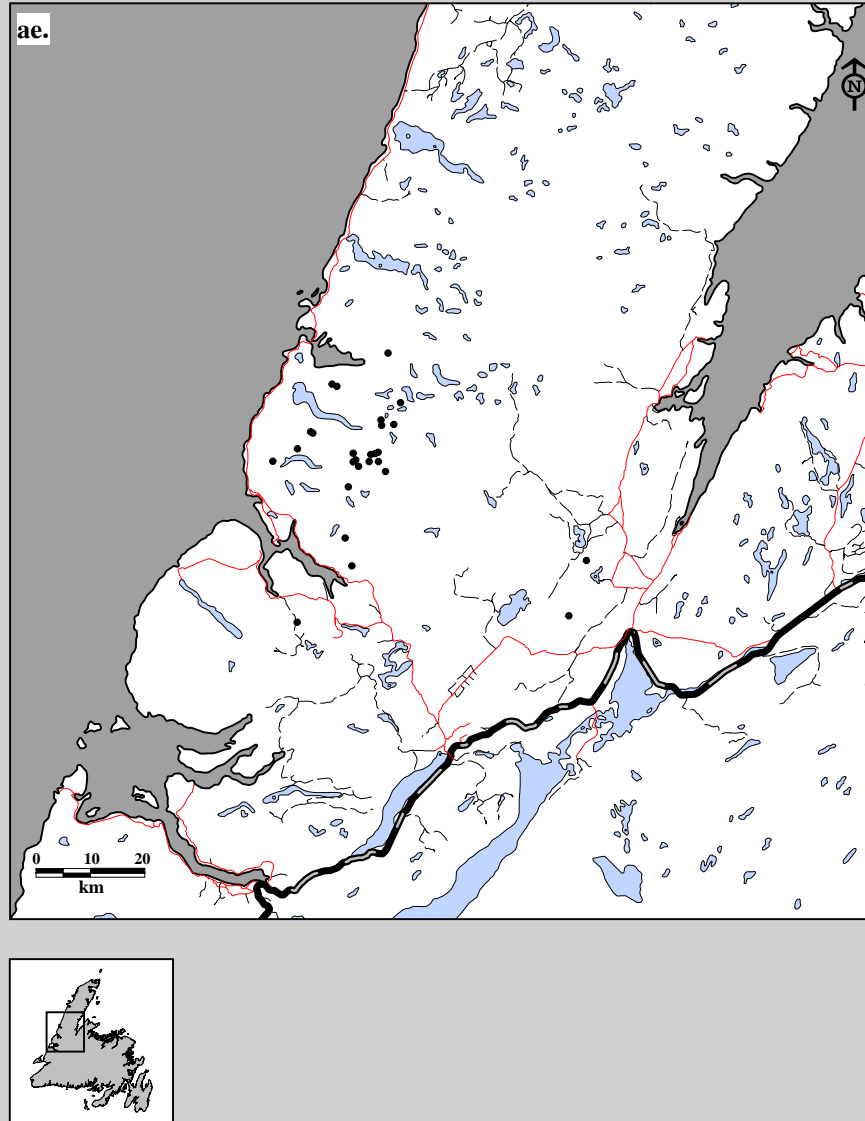


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for female ae. adults (27 locations; 9 caribou; 12 flights) in summer, 1996-97.

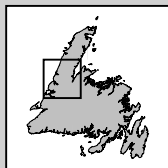
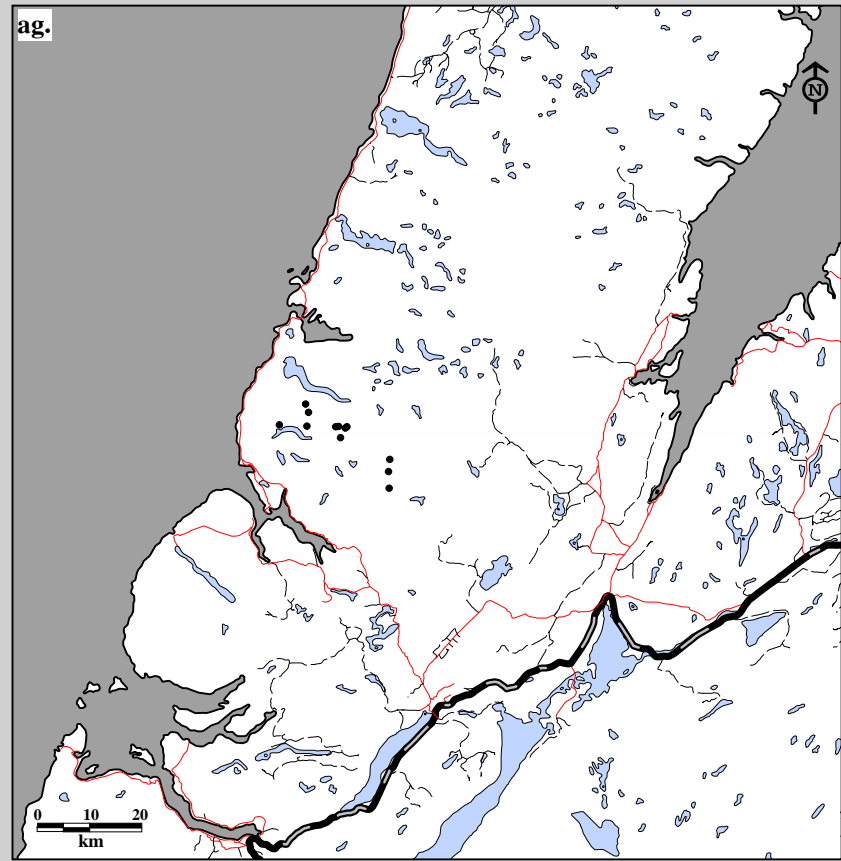
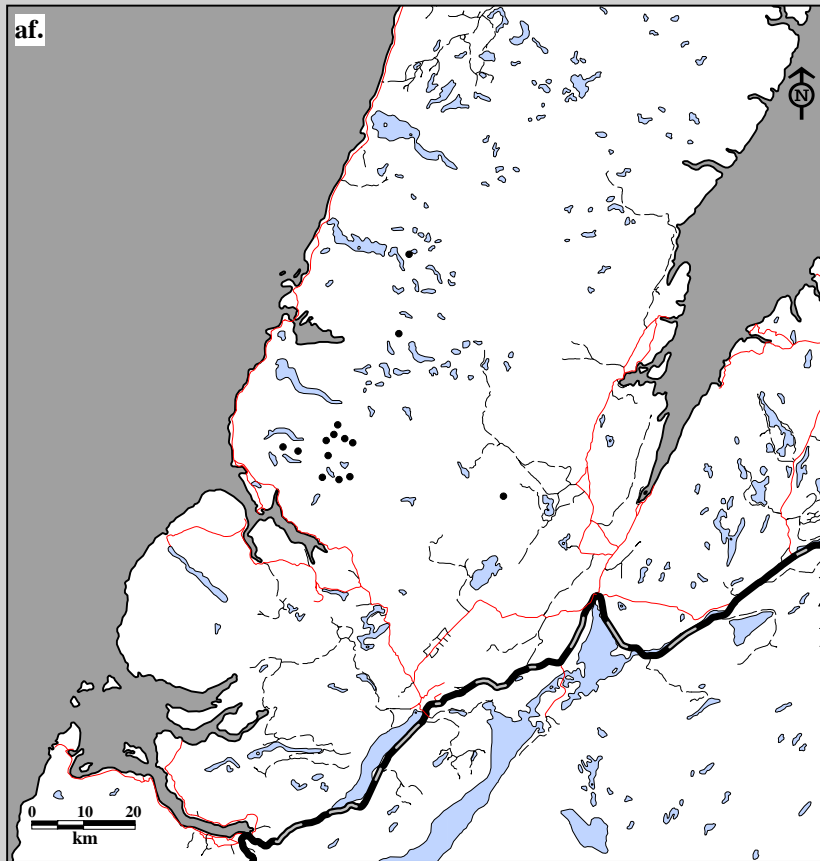


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for female af. yearlings (14 locations; 4 caribou; 12 flights) and ag. calves (12 locations; 3 caribou; 12 flights) in summer, 1996-97.

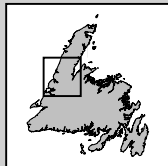
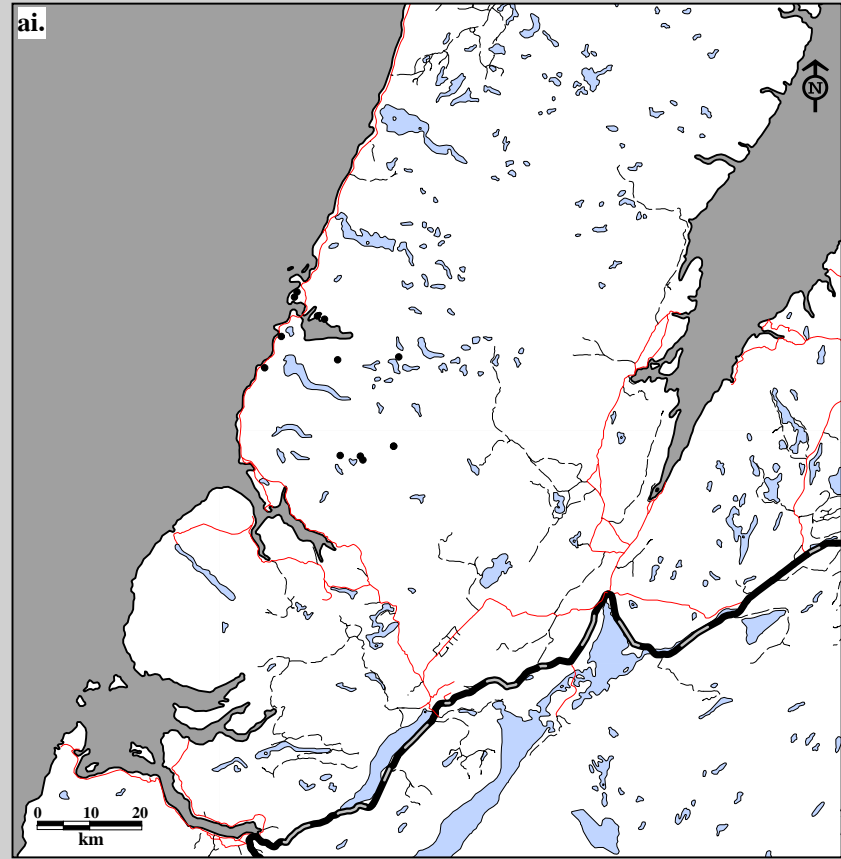
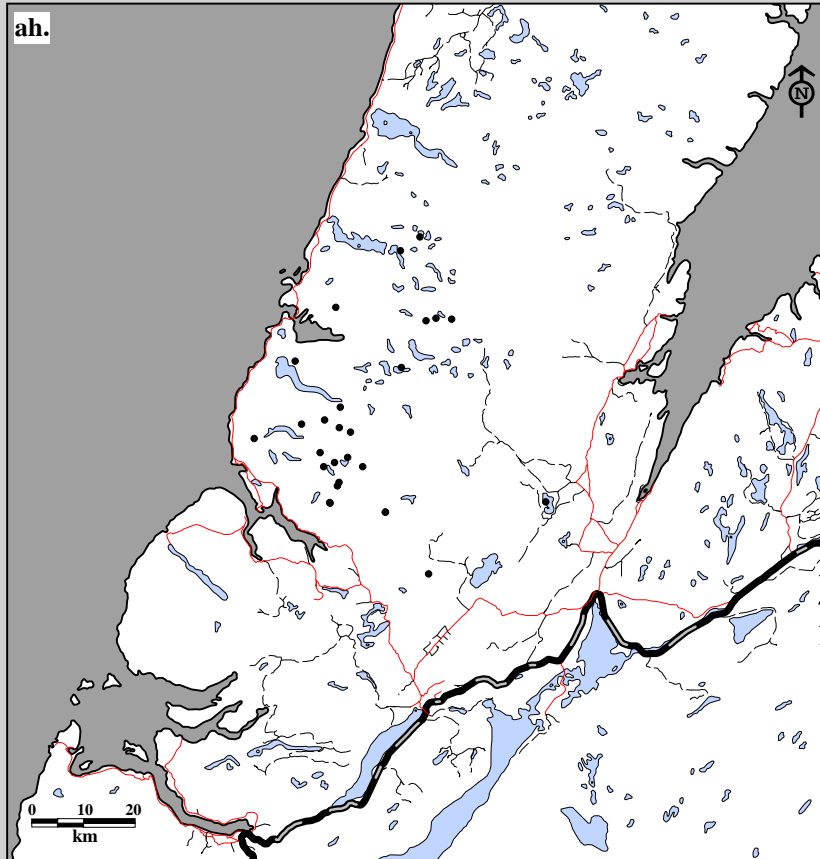


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for male ah. adults (27 locations; 9 caribou; 12 flights) and ai. two-year olds (13 locations; 3 caribou; 12 flights) in summer, 1996-97.

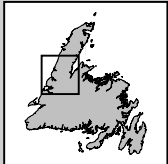
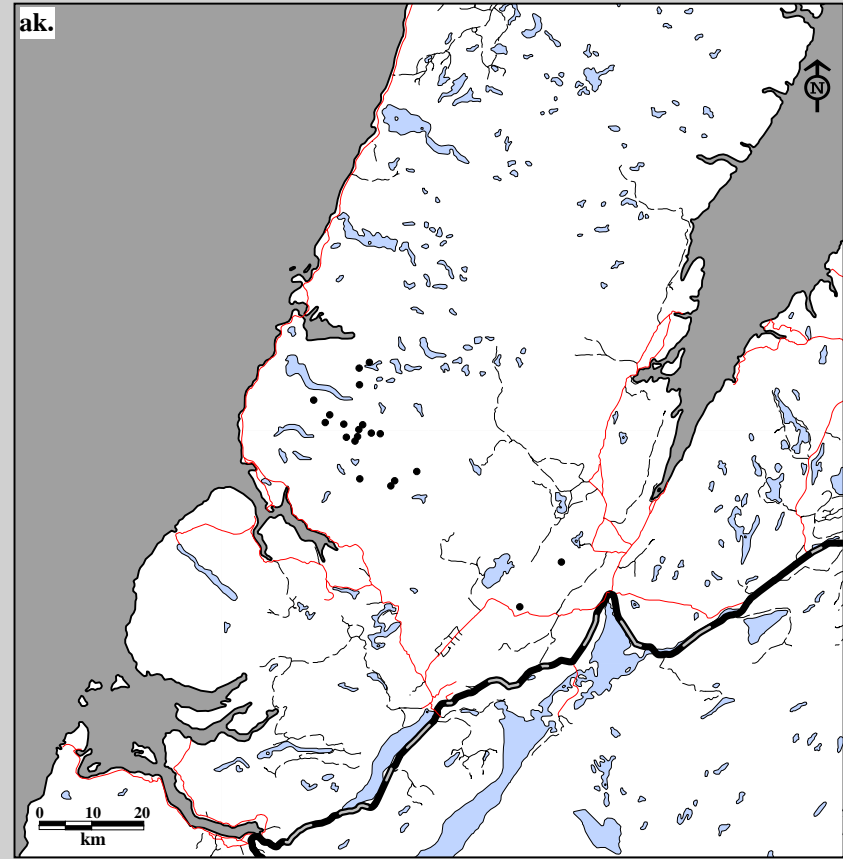
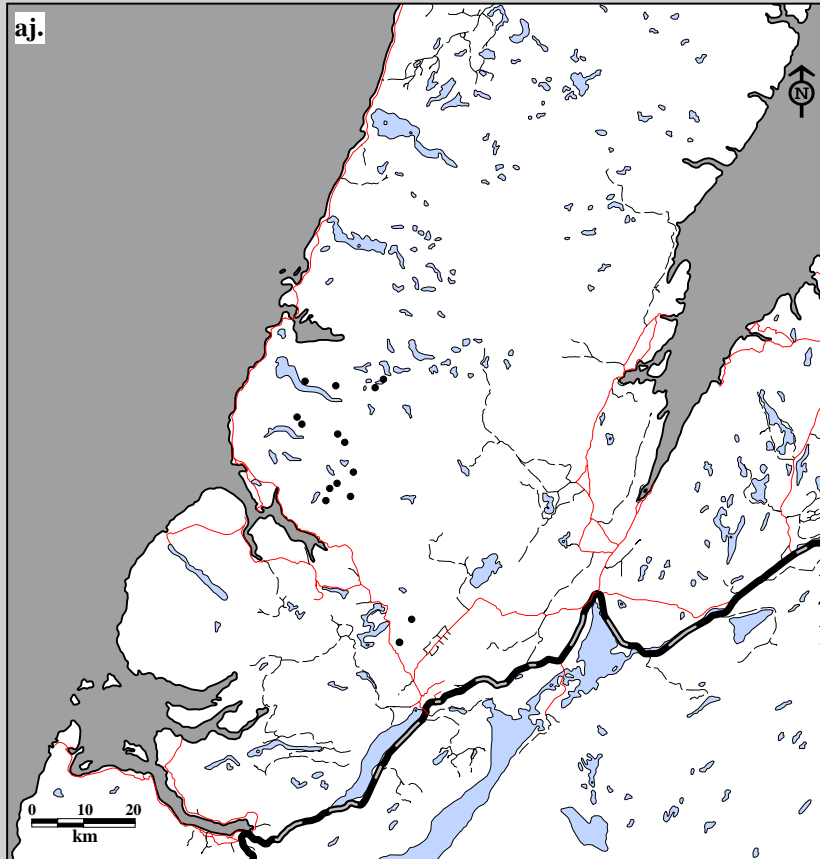


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for male aj. yearlings (16 locations; 4 caribou; 12 flights) and ak. calves (20 locations; 7 caribou; 12 flights) in summer, 1996-97.

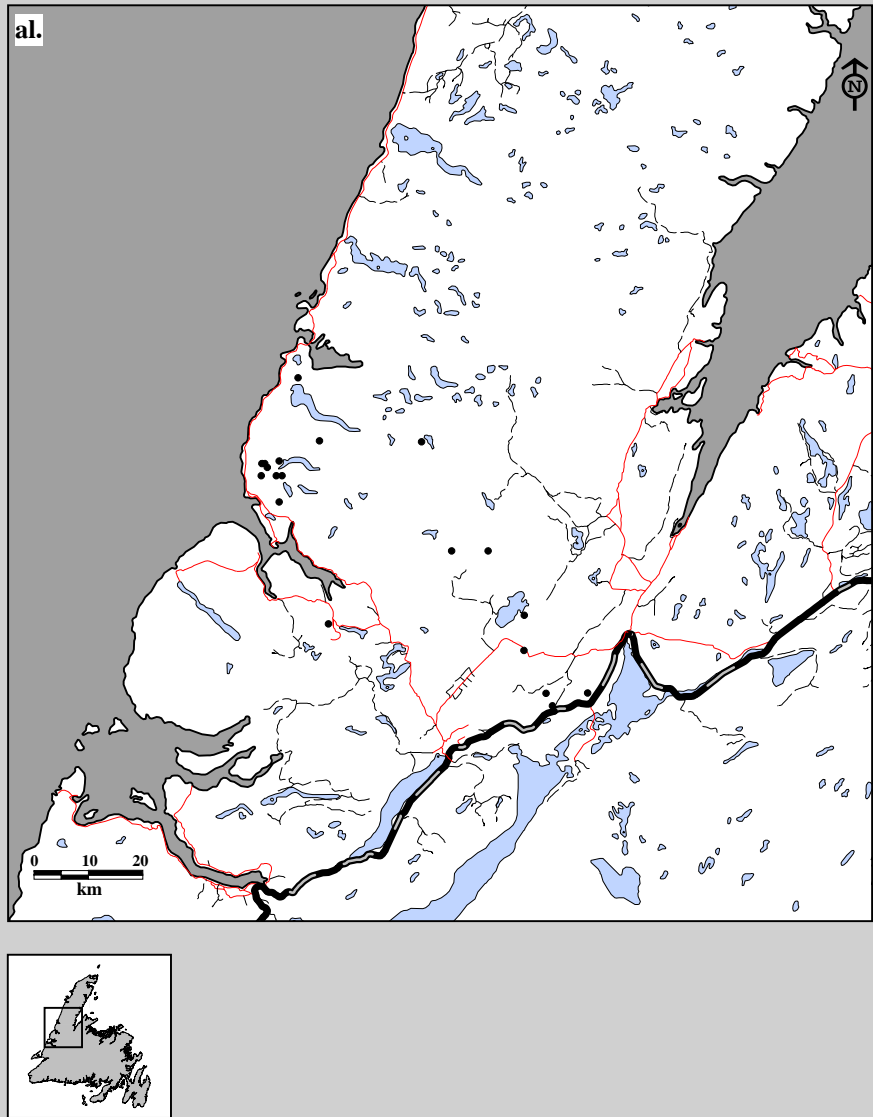


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for female al. adults (19 locations; 11 caribou; 7 flights) in fall, 1996-97.



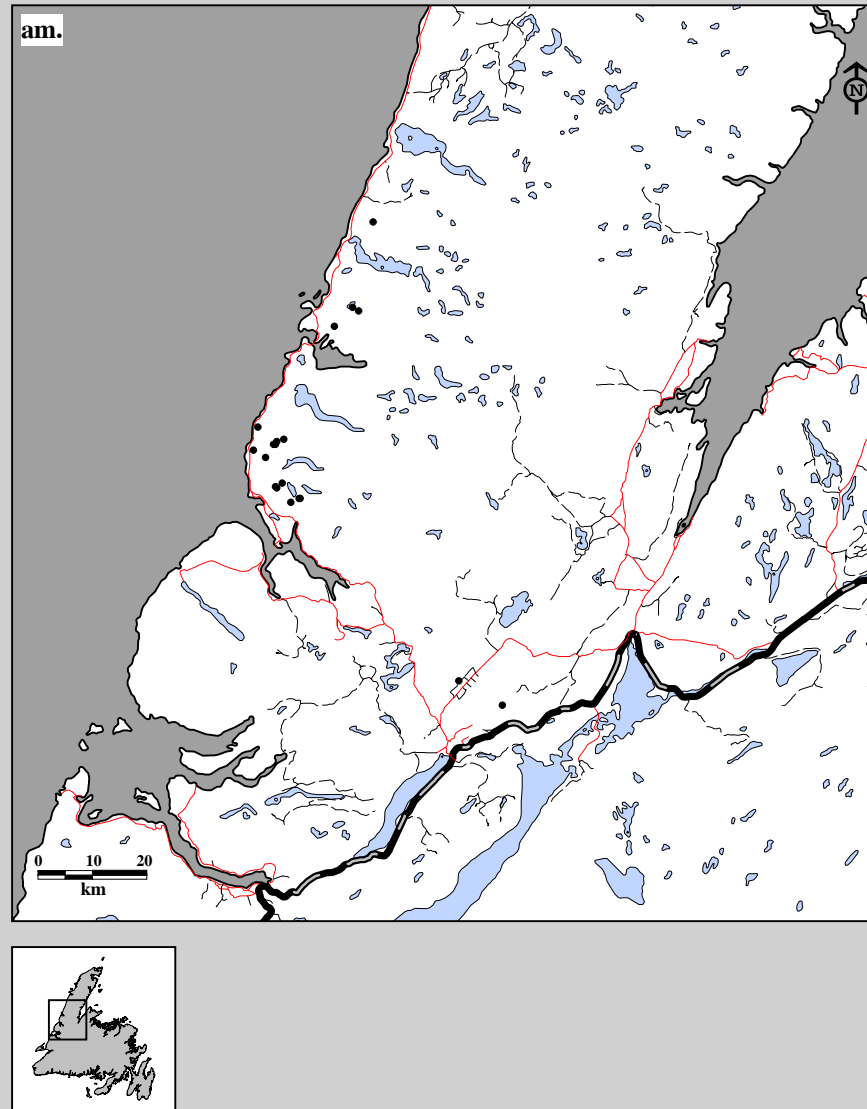


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for male am. adults (19 locations; 11 caribou; 7 flights) in fall, 1996-97.

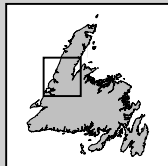
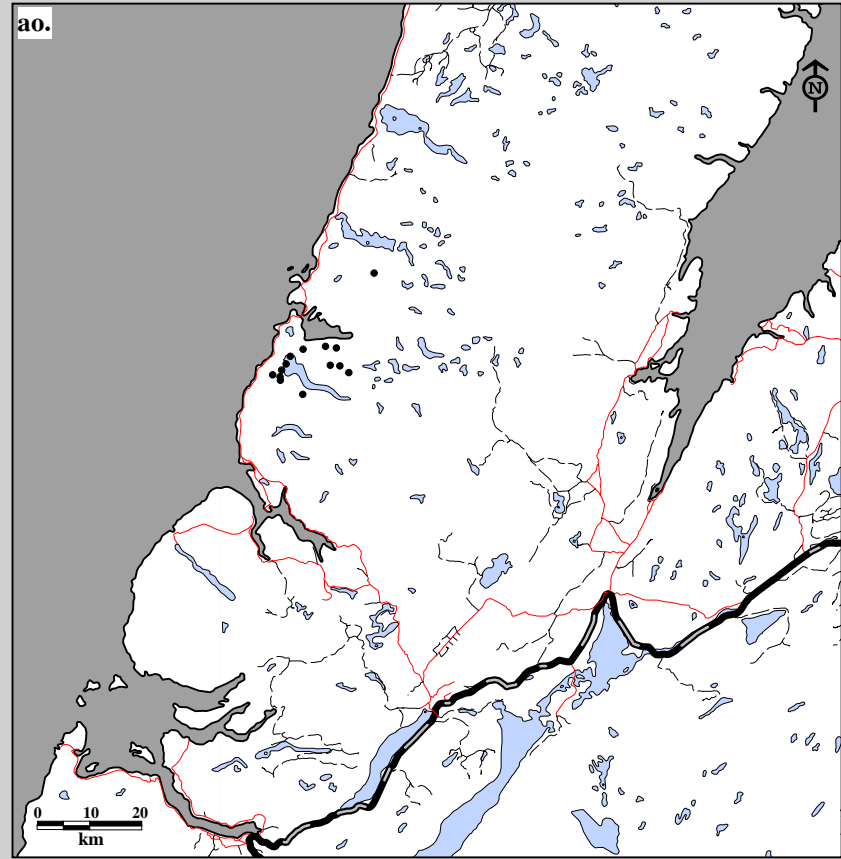
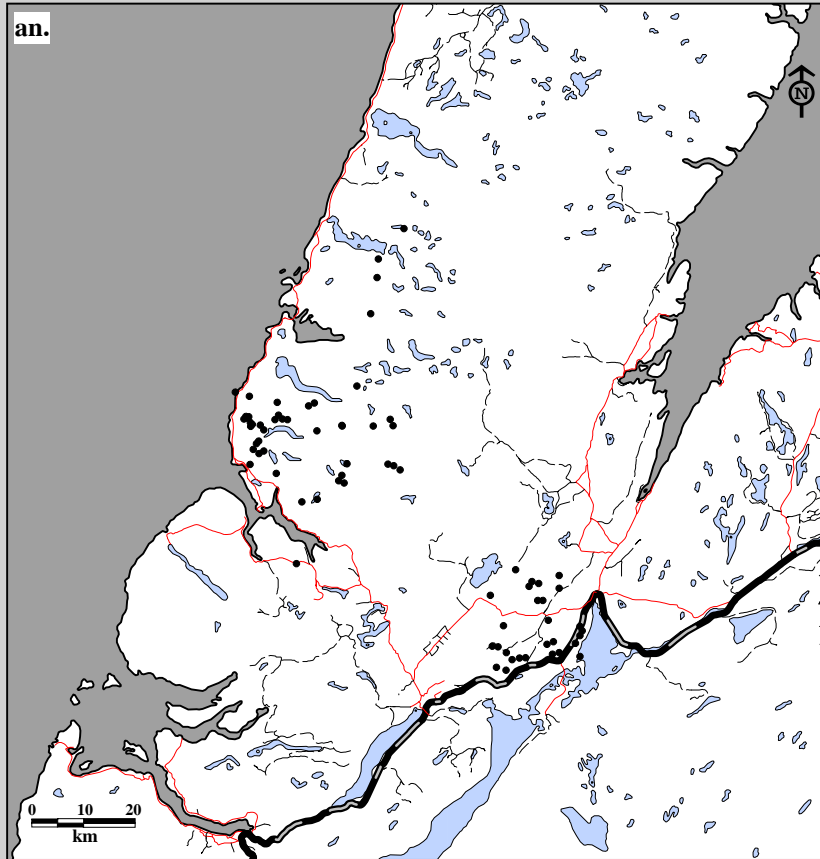


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for female an. adults (74 locations; 17 caribou; 8 flights) and ao. two-year olds (14 locations; 2 caribou; 8 flights) in winter, 1996-97.

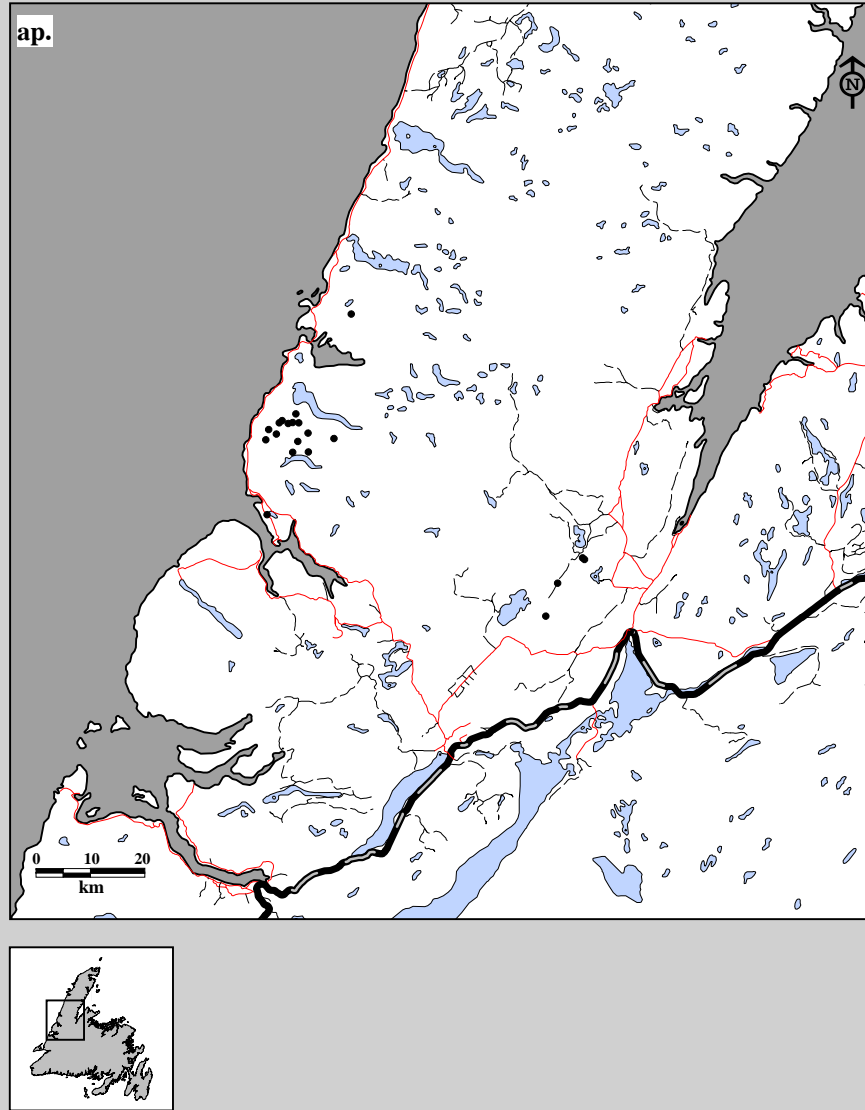


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for female ap. yearlings (20 locations; 5 caribou; 8 flights) in winter, 1996-97.

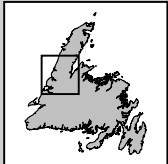
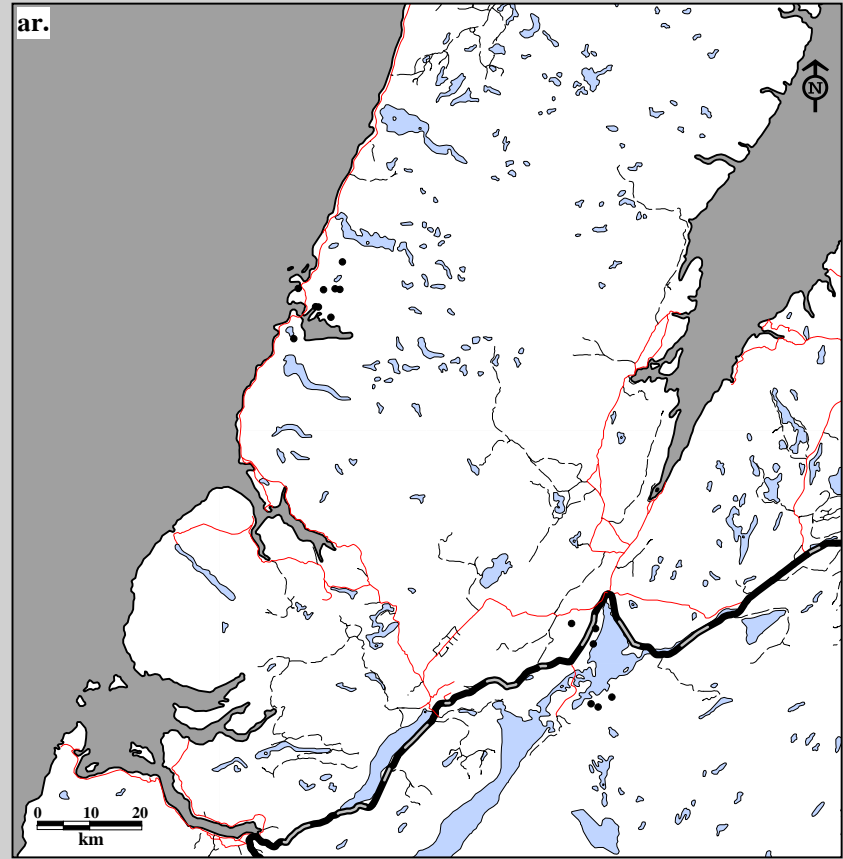
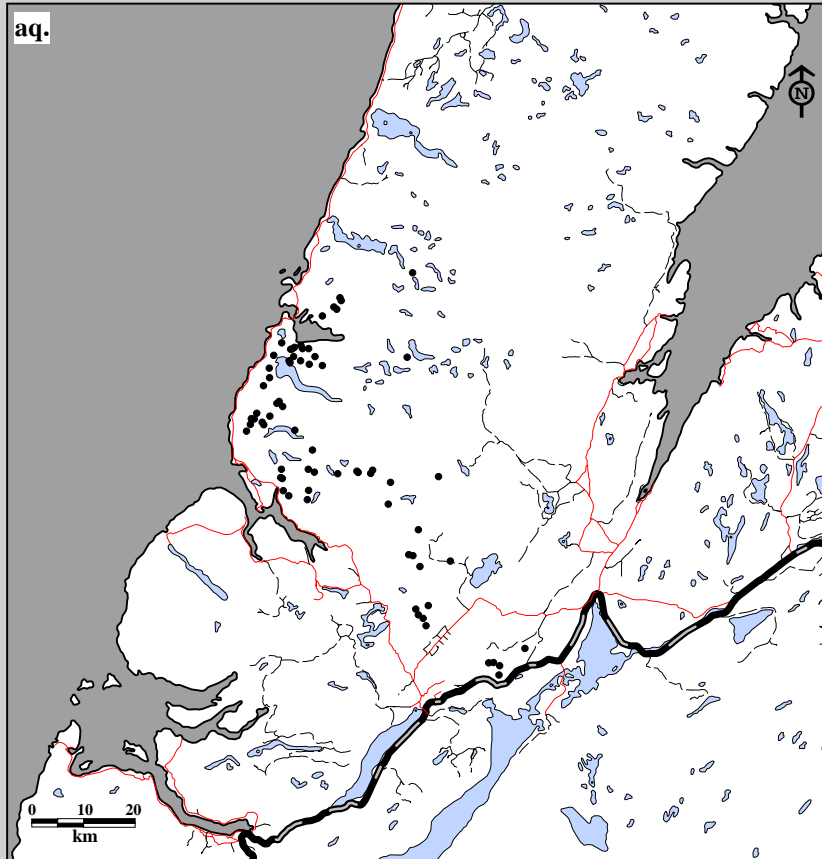


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for male aq. adults (70 locations; 13 caribou; 8 flights) and ar. two-year olds (15 locations; 3 caribou; 8 flights) in winter, 1996-97.

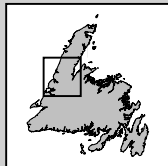
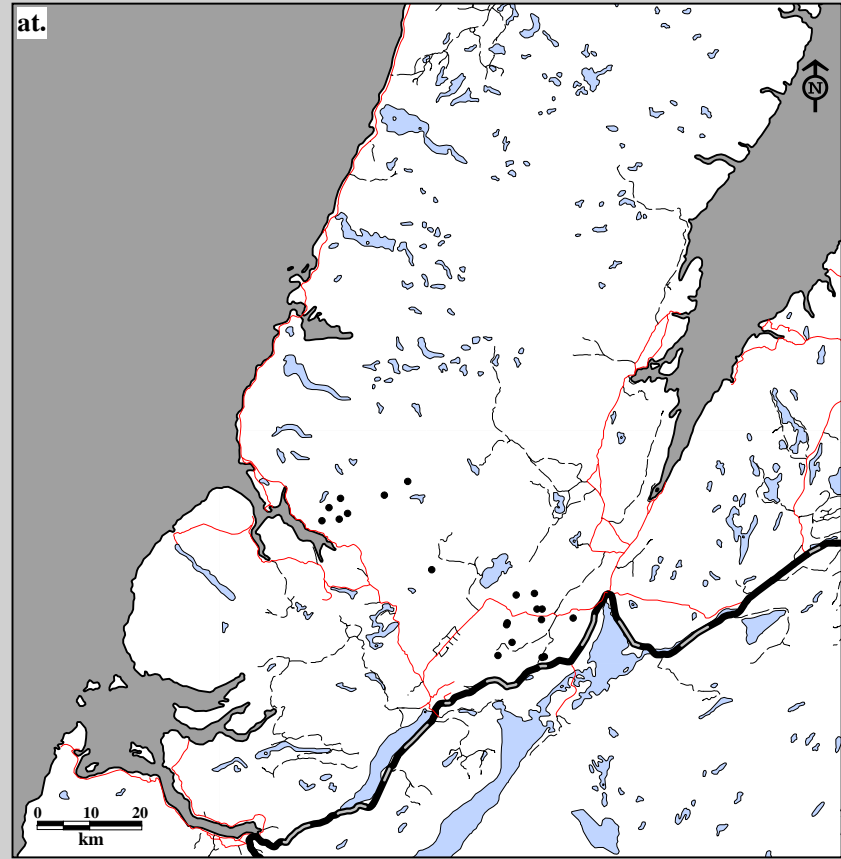
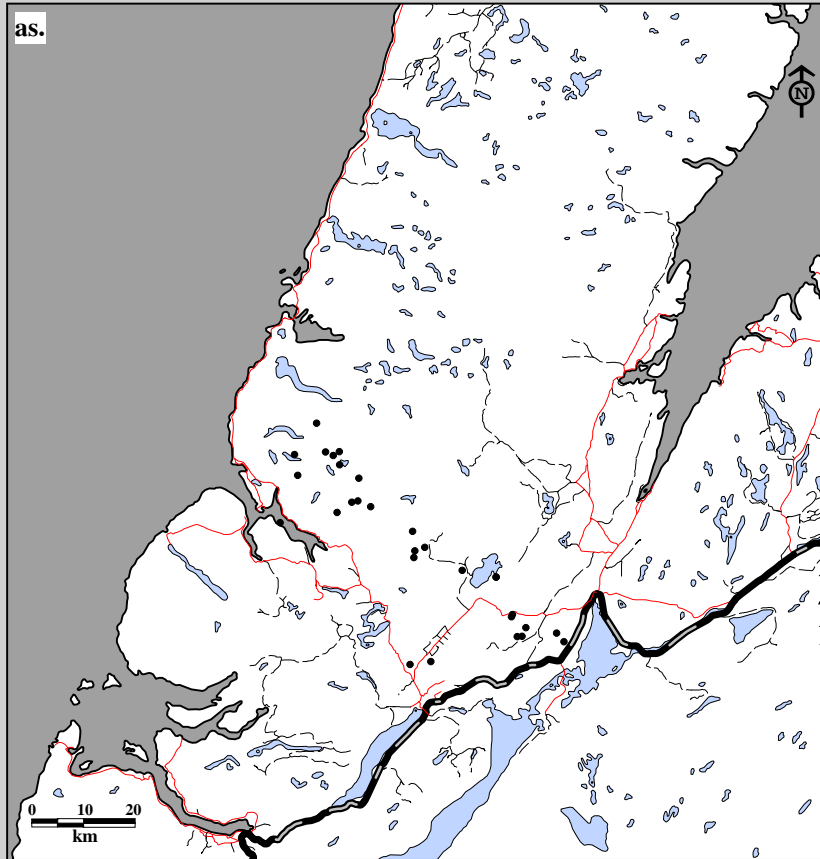


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for male as. yearlings (29 locations; 4 caribou; 8 flights) and at. calves (20 locations; 3 caribou; 8 flights) in winter, 1996-97.

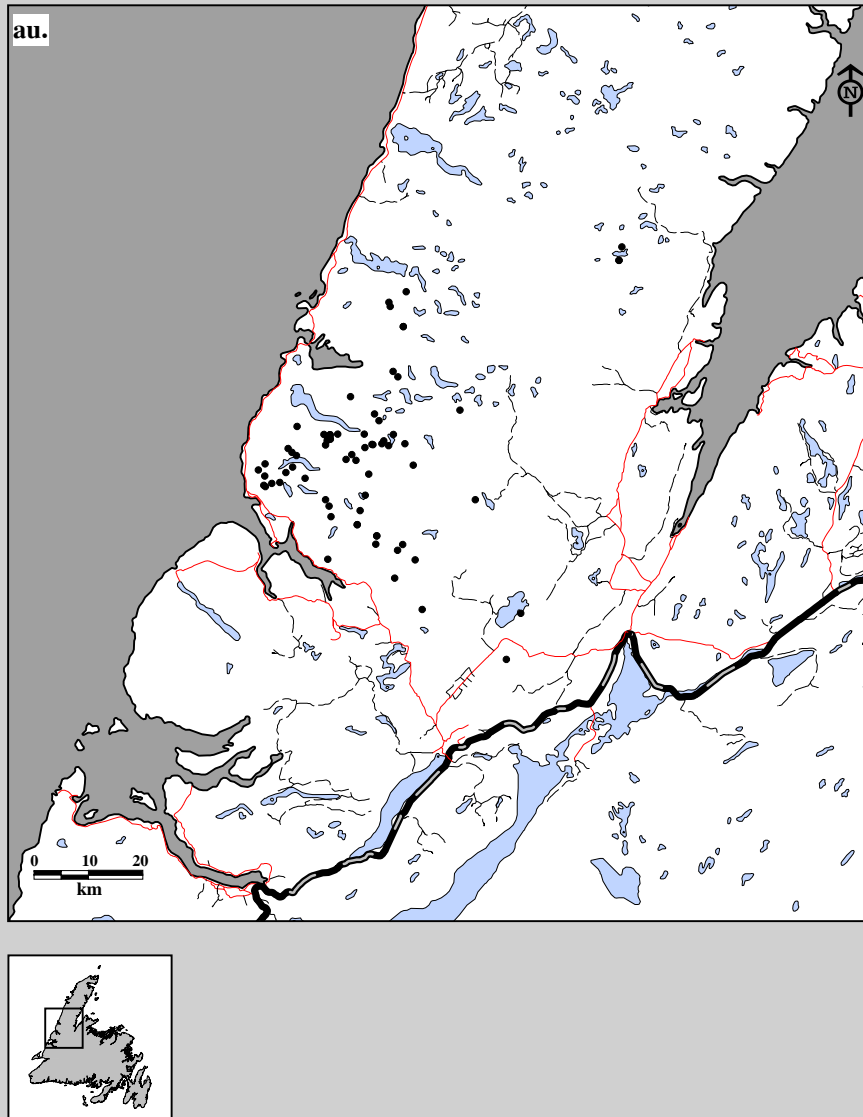


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for female au. adults (70 locations; 17 caribou; 11 flights) in spring, 1997-98.

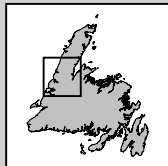
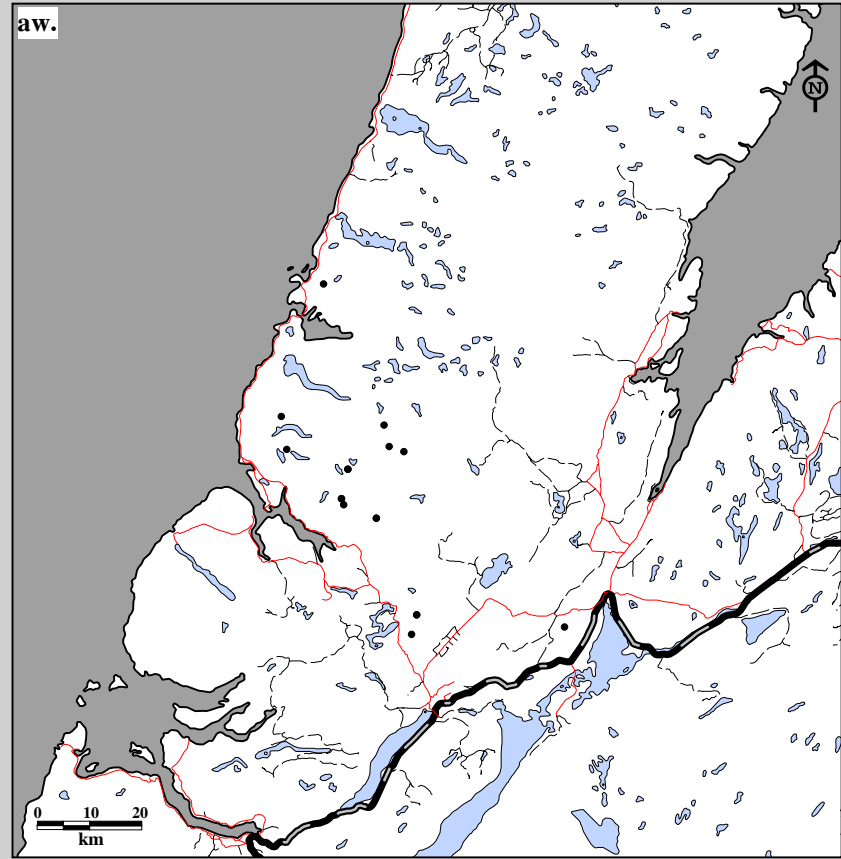
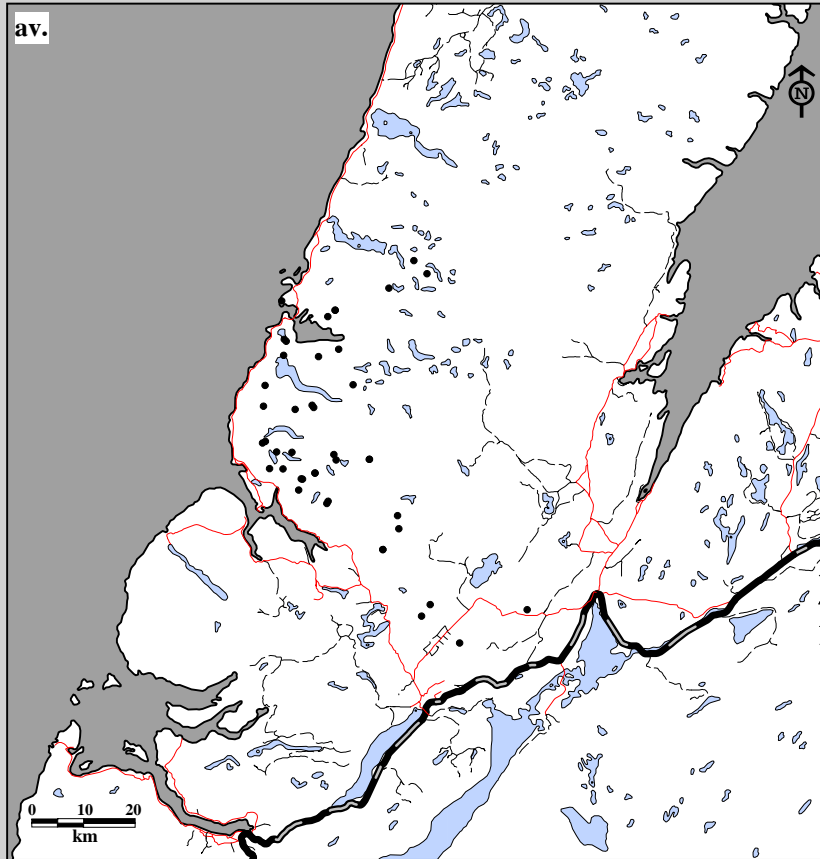


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for male av. adults (43 locations; 12 caribou; 11 flights) and aw. two-year olds (17 locations; 6 caribou; 11 flights) in spring, 1997-98.

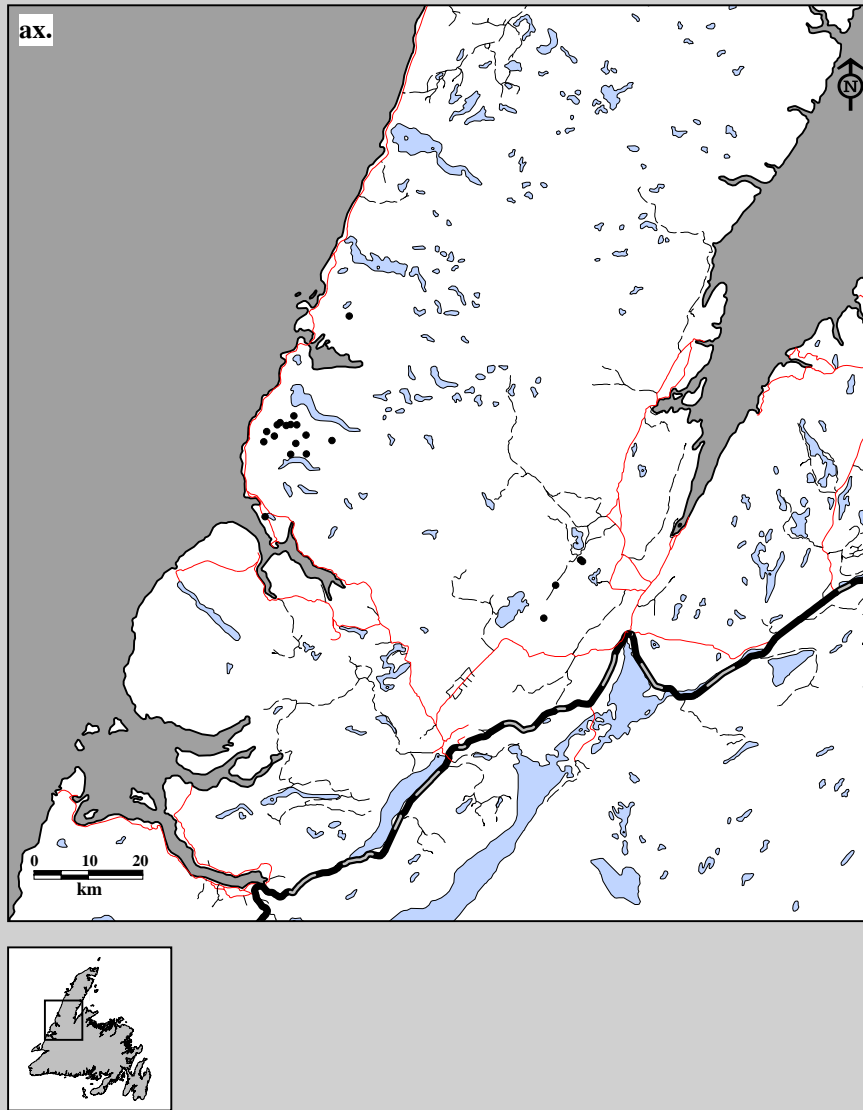


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for male ax. yearlings (24 locations; 13 caribou; 11 flights) in spring, 1997-98.



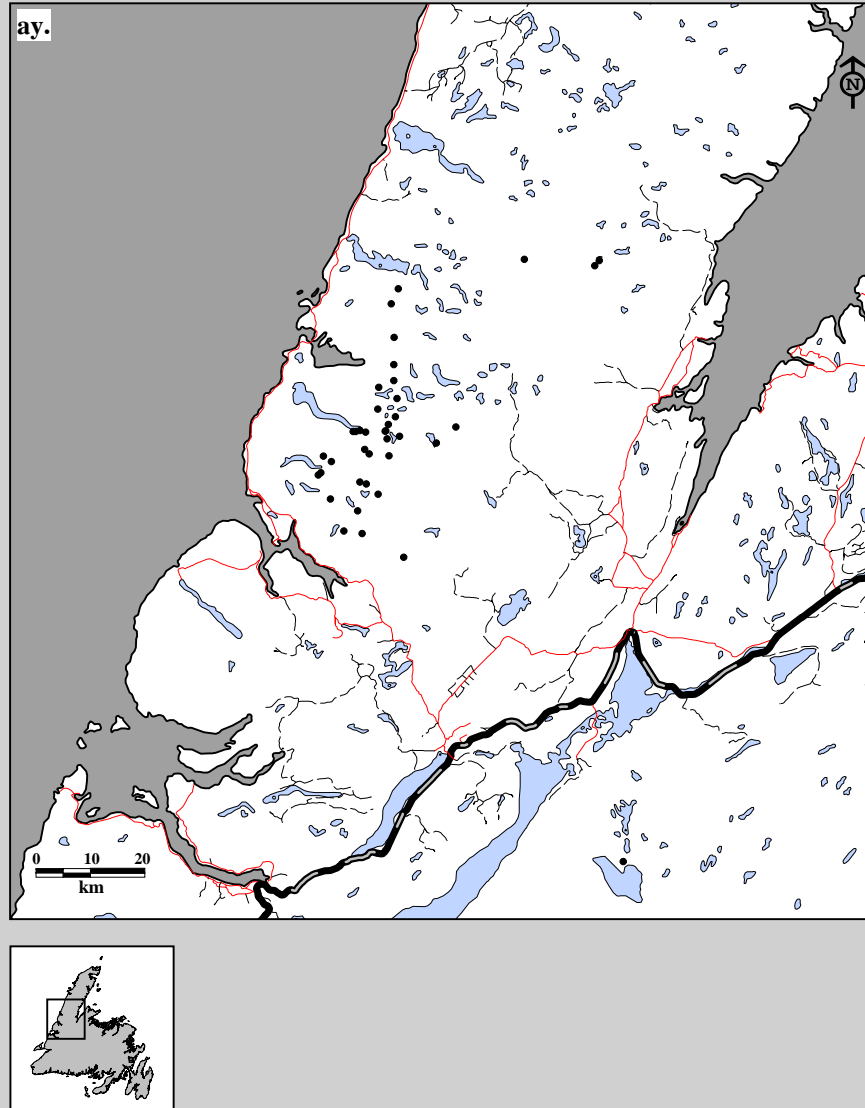


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for female ay. adults (39 locations; 15 caribou; 3 flights) in summer, 1997-98.

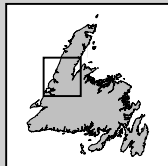
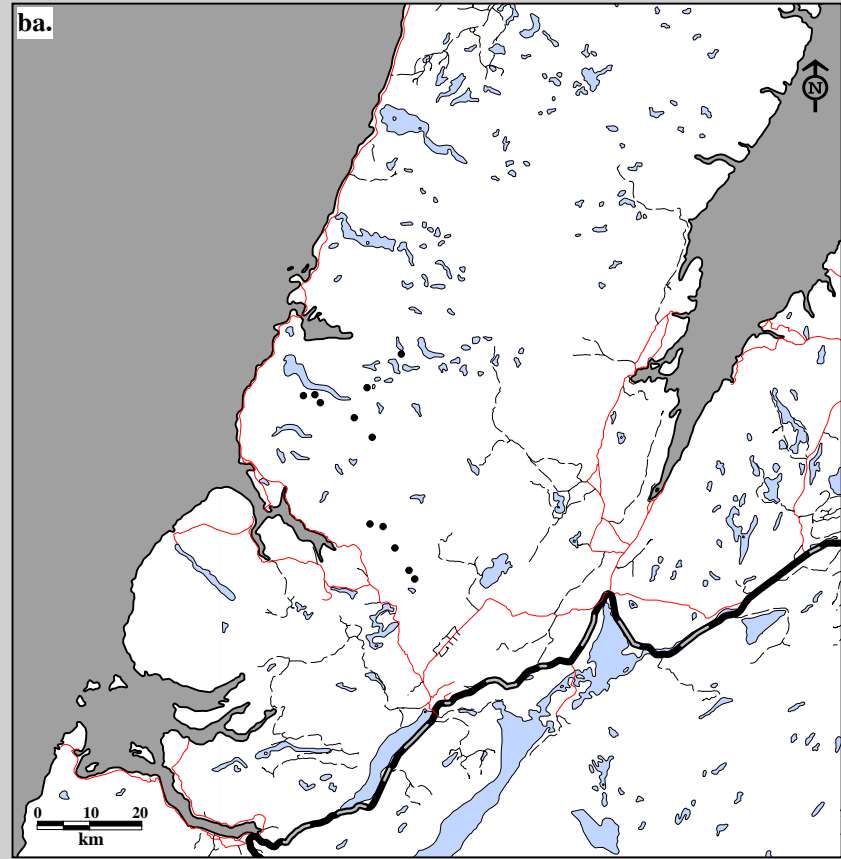
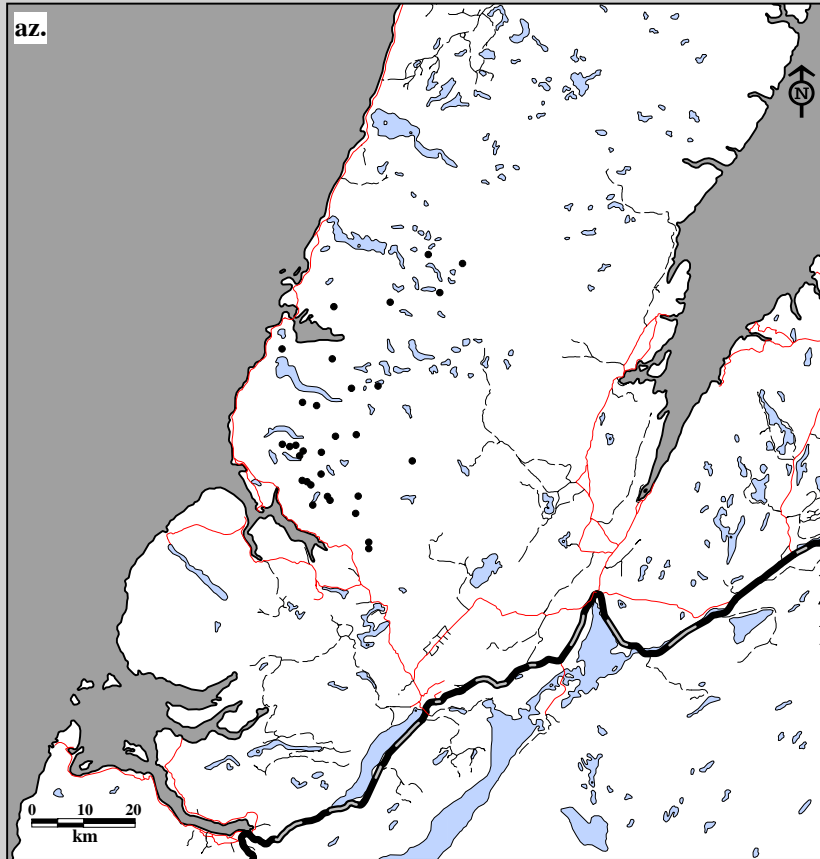


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for male az. adults (31 locations; 11 caribou; 3 flights) and ba. two-year olds (12 locations; 4 caribou; 3 flights) in summer, 1997-98.

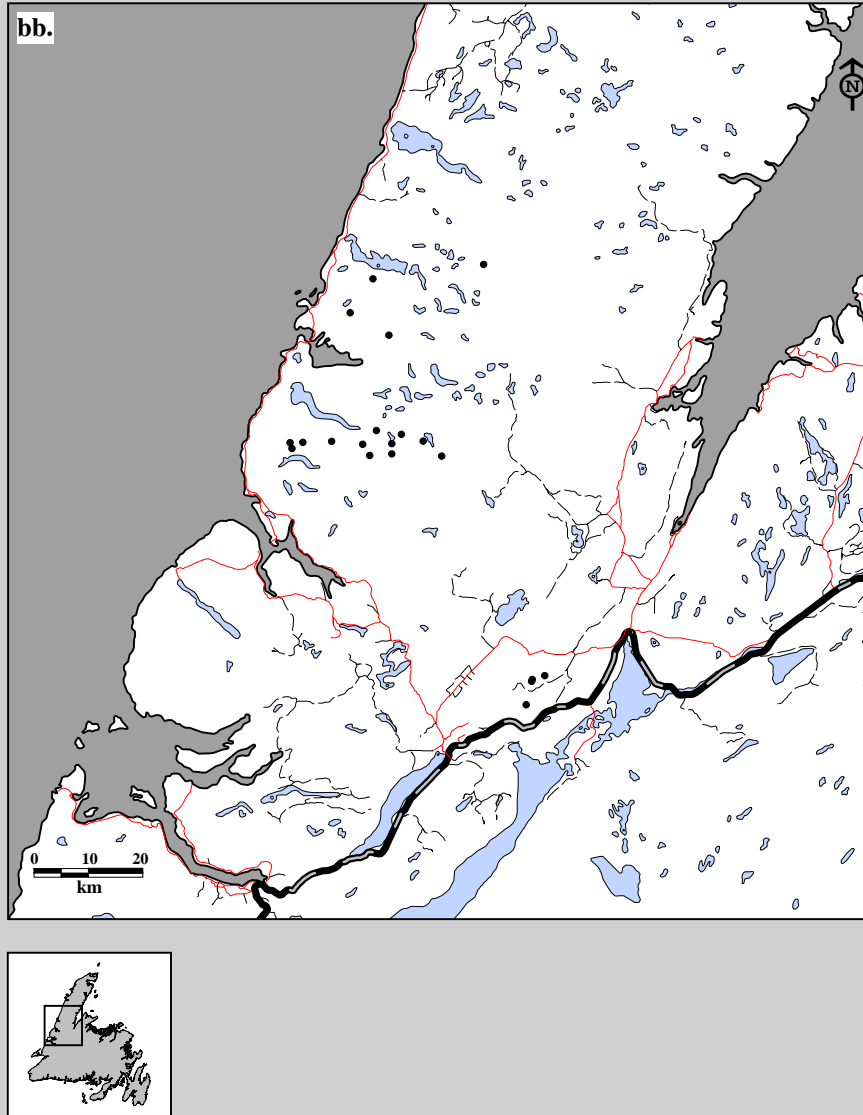


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for female bb. adults (20 locations; 12 caribou; 3 flights) in fall, 1997-98.

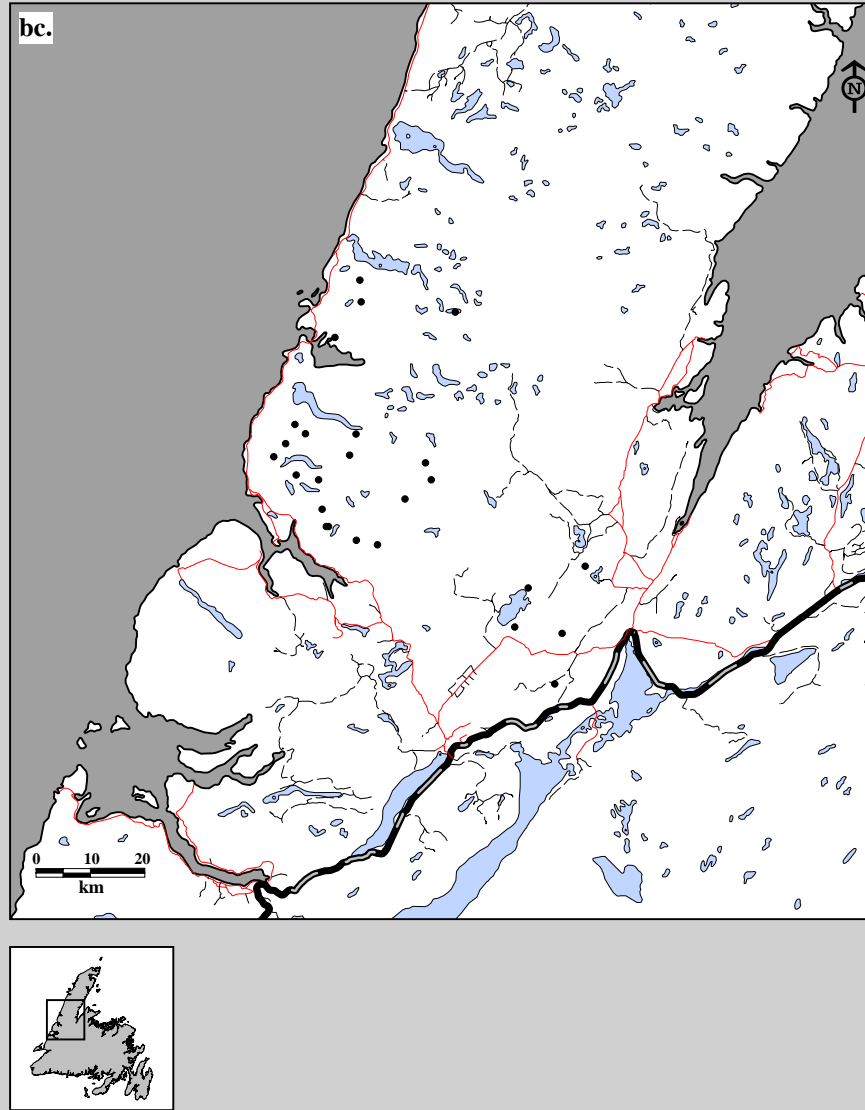


Fig. 8B-16. Gros Morne Caribou Herd radio telemetry locations. Data for male bc. adults (25 locations; 11 caribou; 3 flights) in fall, 1997-98.

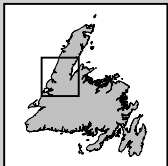
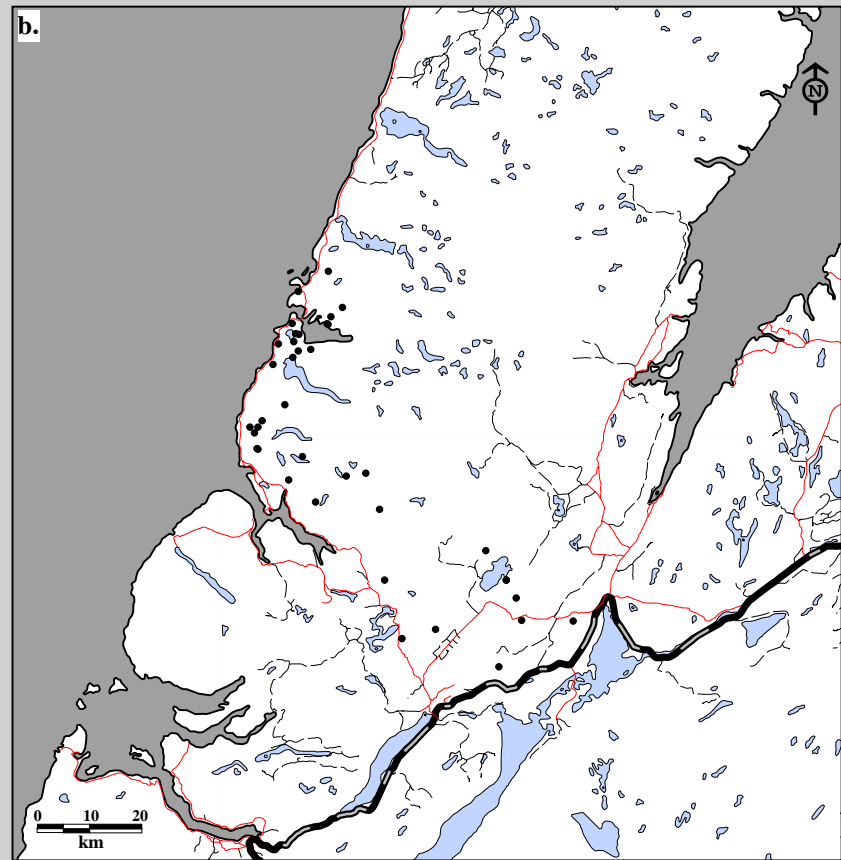
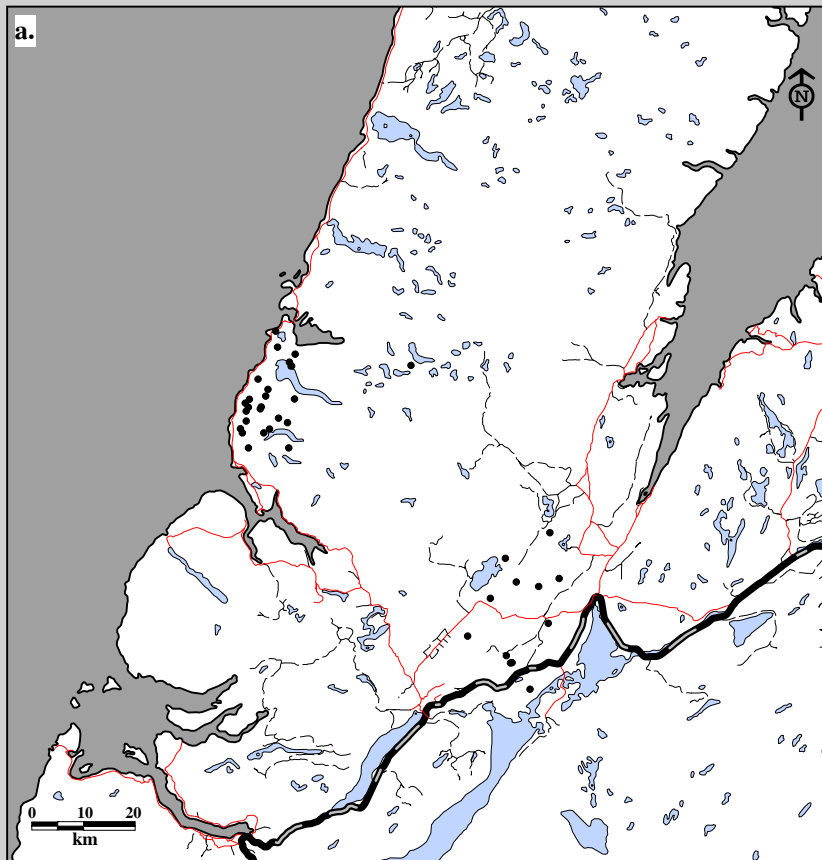


Fig. 8B-17. Gros Morne Caribou Herd radio telemetry locations. Data for a. females (37 locations; 22 caribou; 9 flights) and b. males (39 locations; 23 caribou; 9 flights) in January, 1992-97.

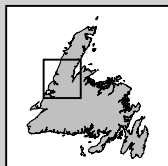
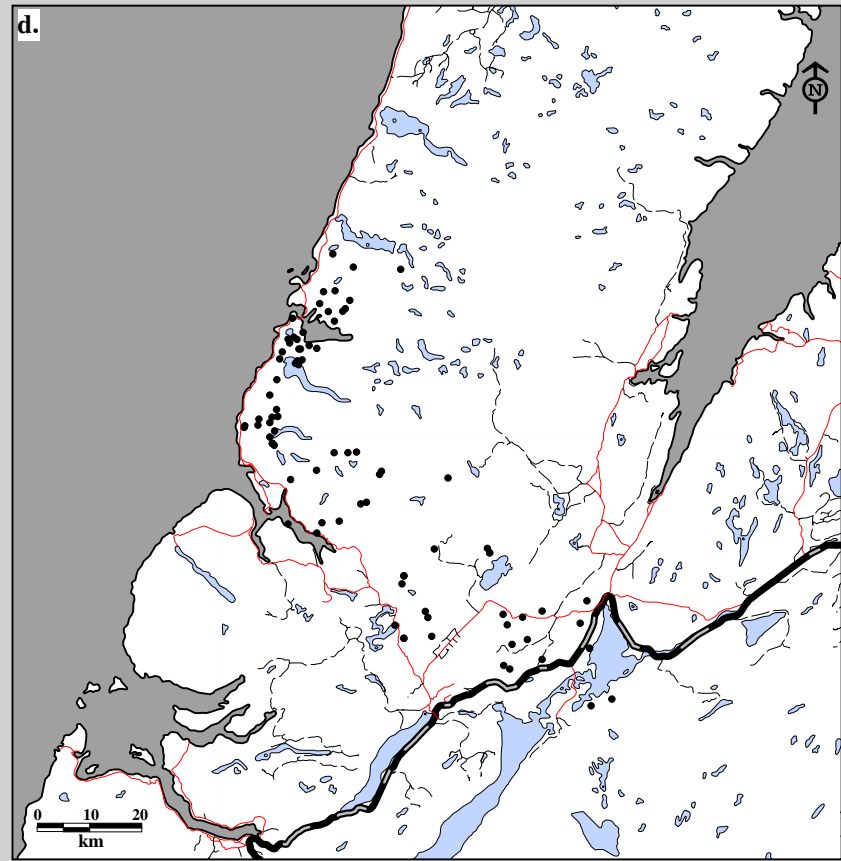
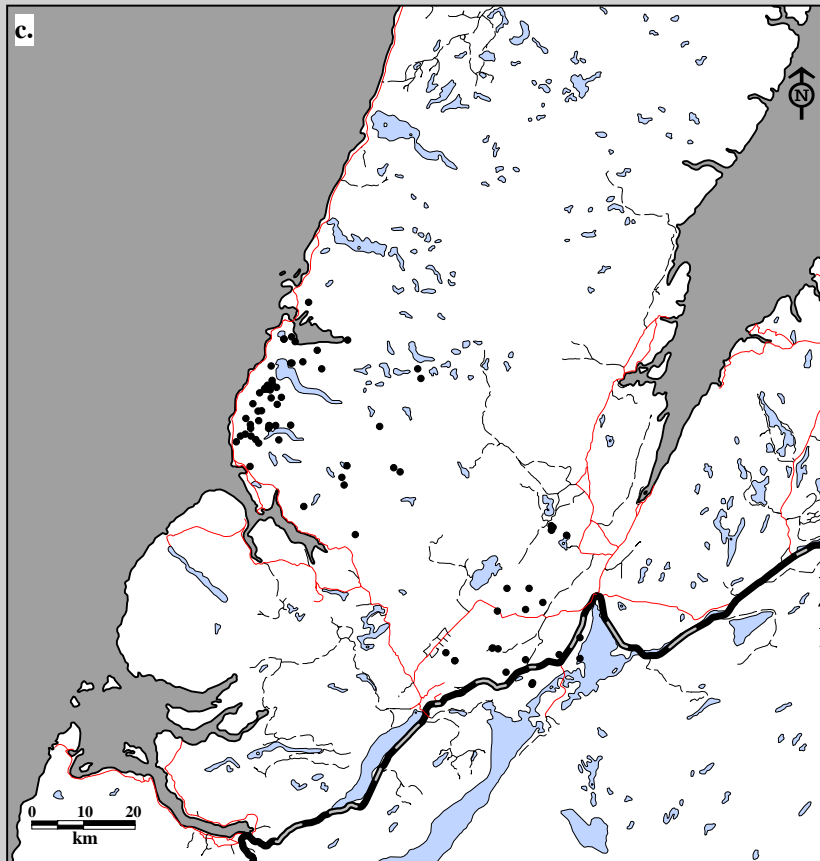


Fig. 8B-17. Gros Morne Caribou Herd radio telemetry locations. Data for c. females (79 locations; 27 caribou; 9 flights) and d. males (84 locations; 28 caribou; 9 flights) in February, 1992-97.

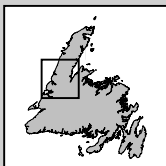
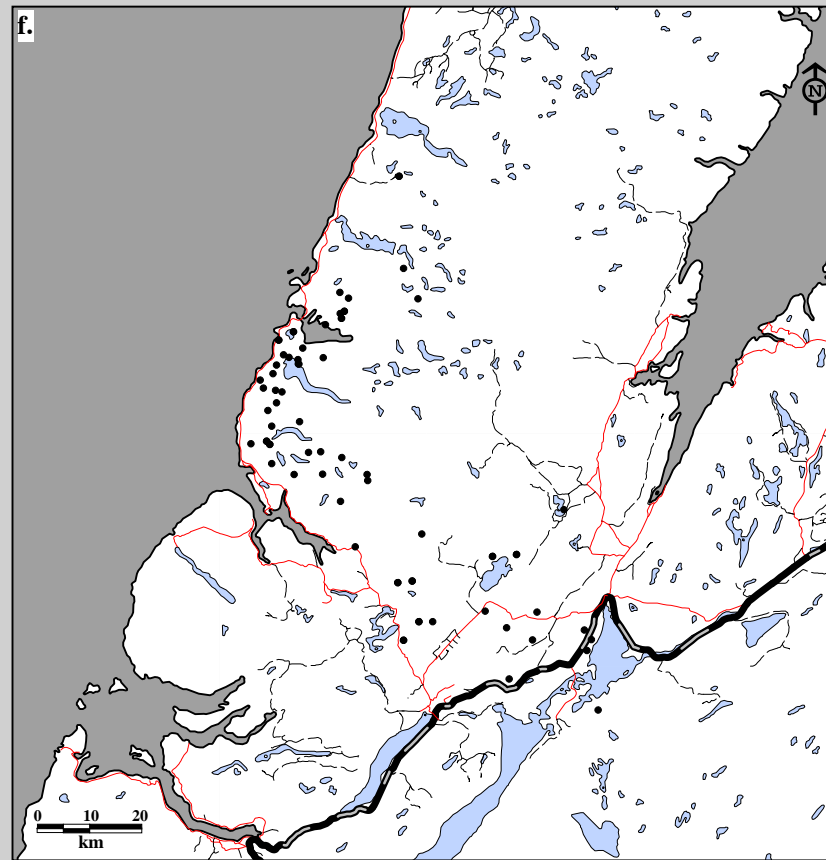
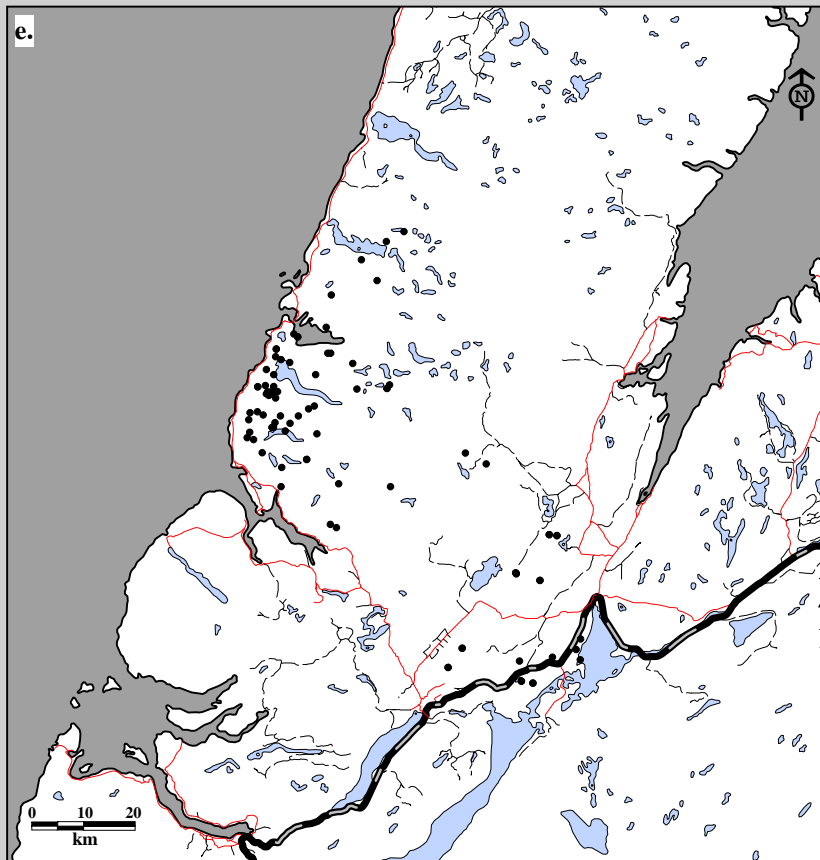


Fig. 8B-17. Gros Morne Caribou Herd radio telemetry locations. Data for e. females (88 locations; 37 caribou; 13 flights) and f. males (72 locations; 25 caribou; 13 flights) in March, 1992-97.

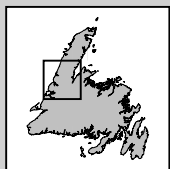
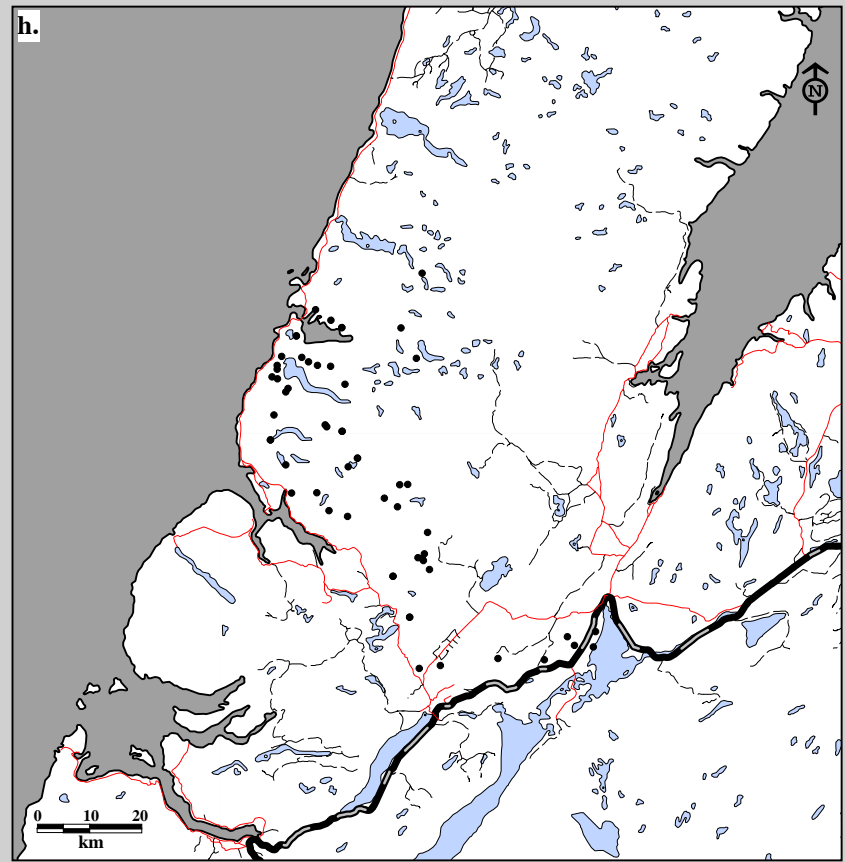
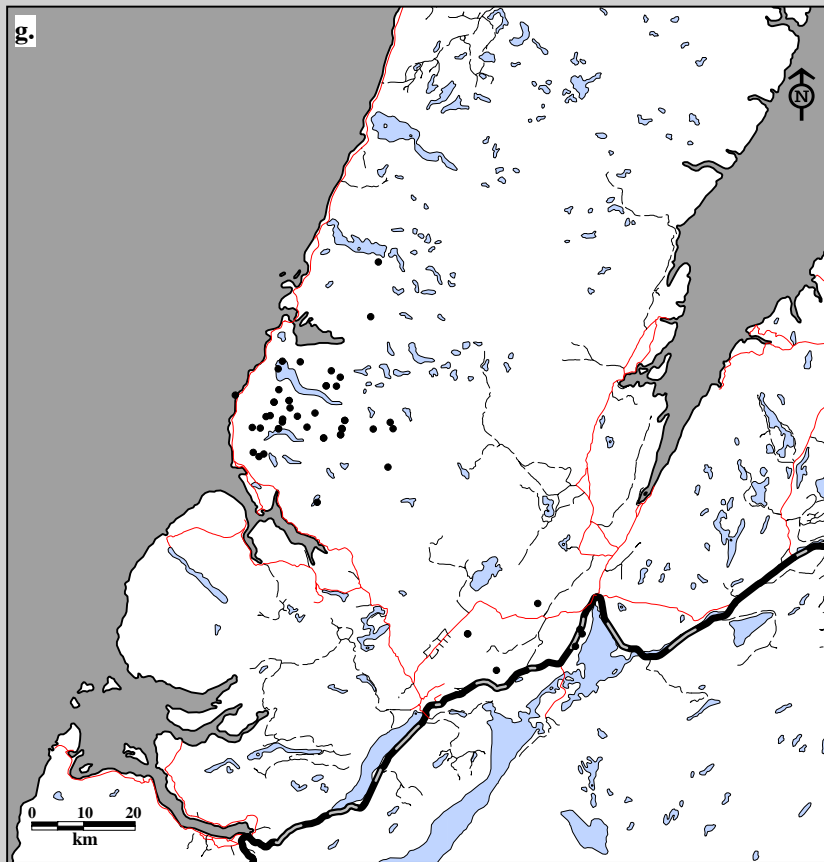


Fig. 8B-17. Gros Morne Caribou Herd radio telemetry locations. Data for g. females (51 locations; 20 caribou; 3 flights) and h. males (58 locations; 21 caribou; 3 flights) in April, 1992-97.



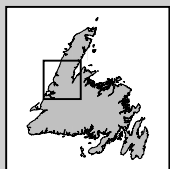
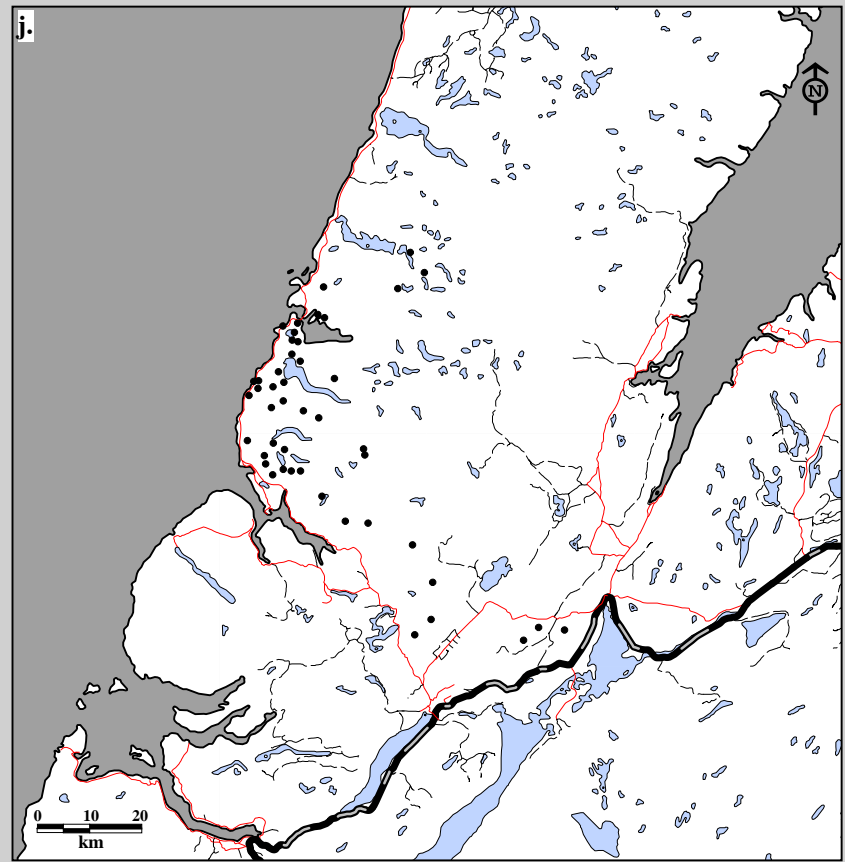
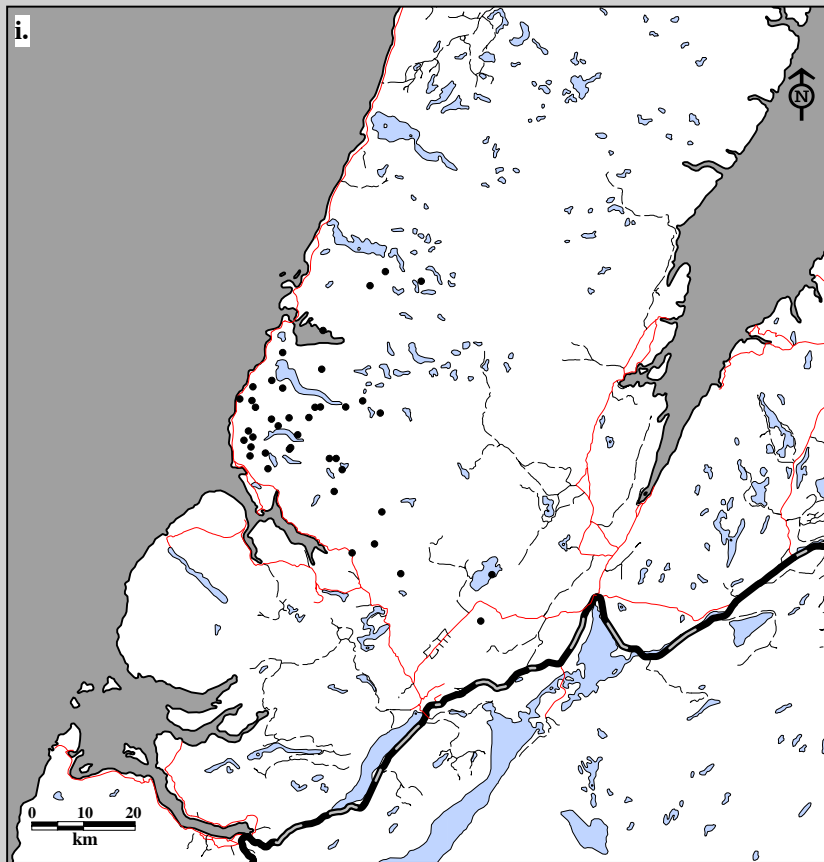


Fig. 8B-17. Gros Morne Caribou Herd radio telemetry locations. Data for i. females (41 locations; 23 caribou; 6 flights) and j. males (46 locations; 25 caribou; 6 flights) in May, 1992-97.

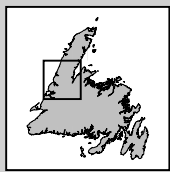
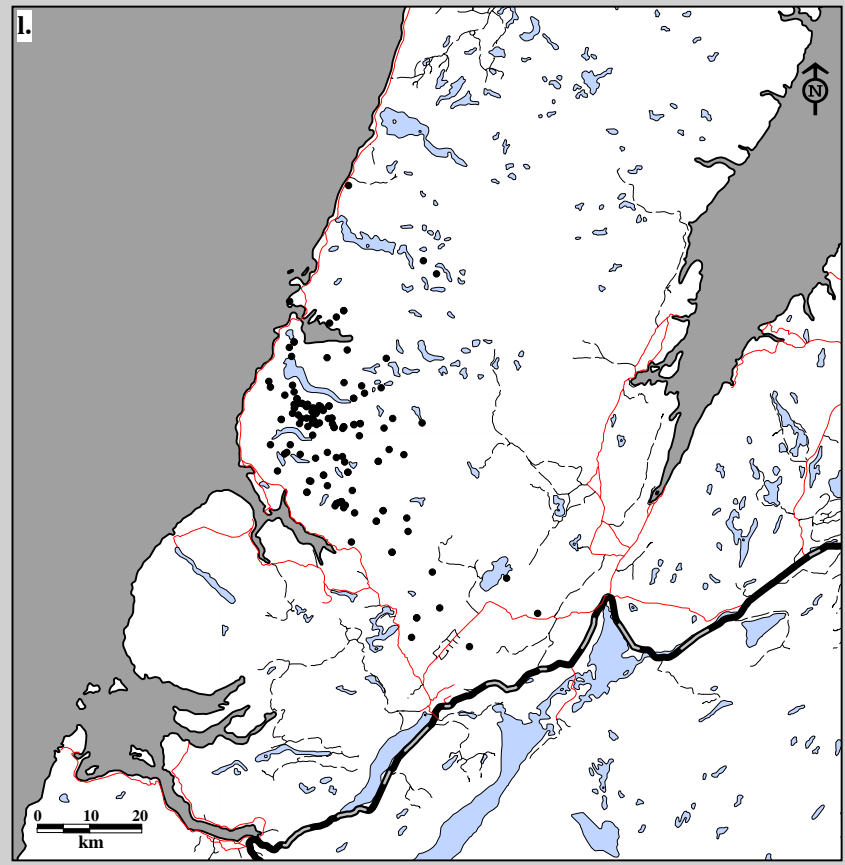
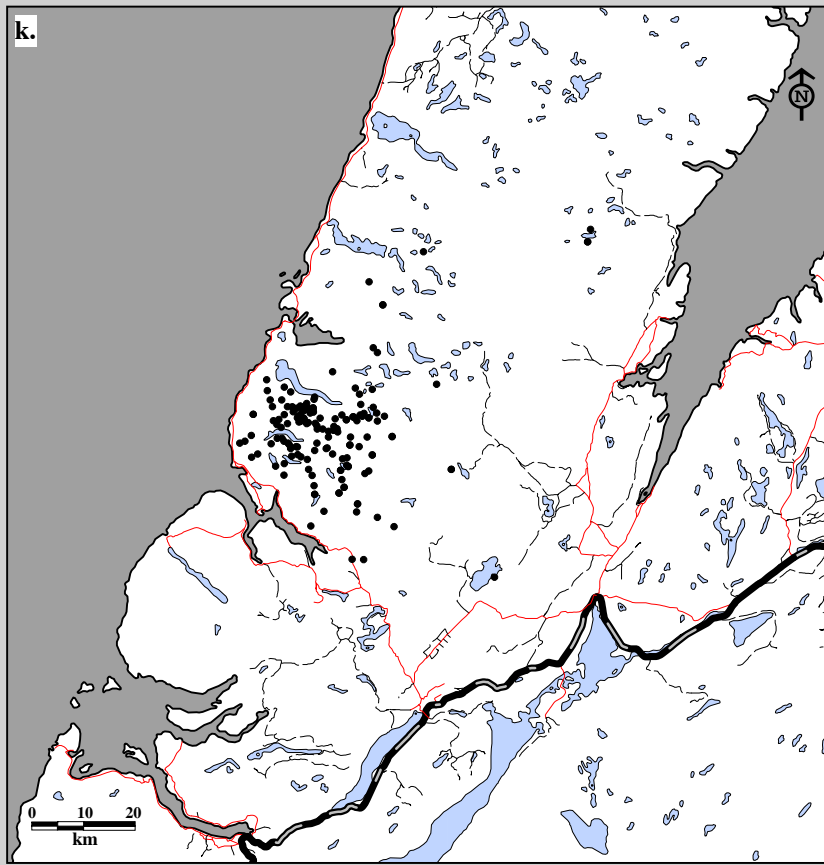


Fig. 8B-17. Gros Morne Caribou Herd radio telemetry locations. Data for k. females (159 locations; 54 caribou; 33 flights) and l. males (135 locations; 47 caribou; 33 flights) in June, 1992-97.

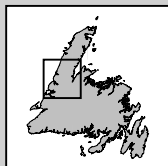
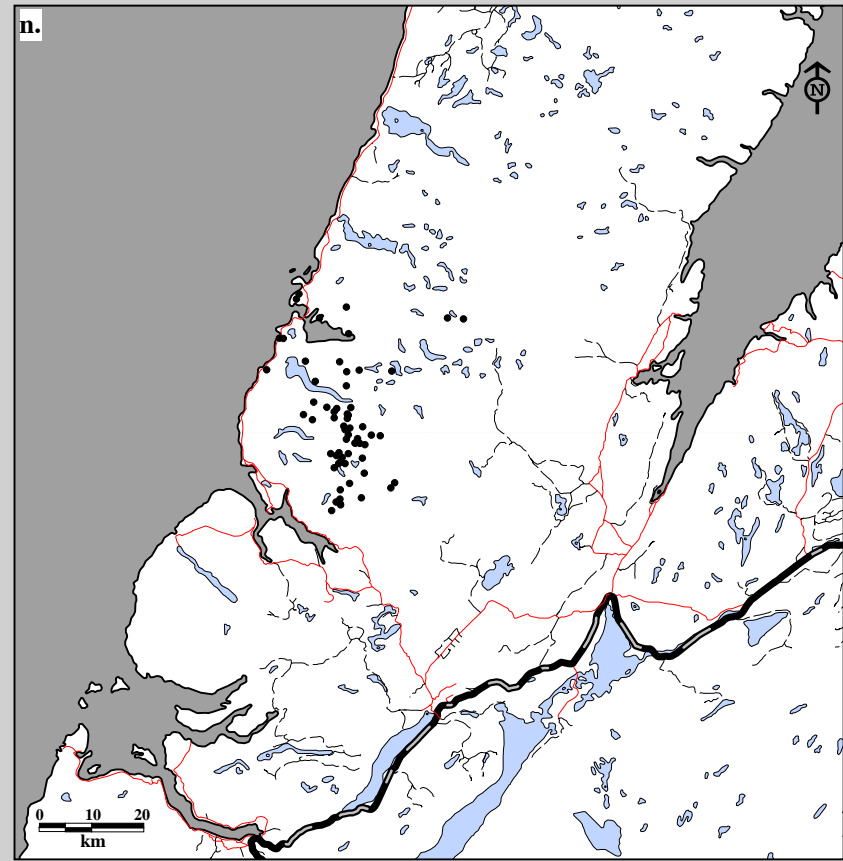
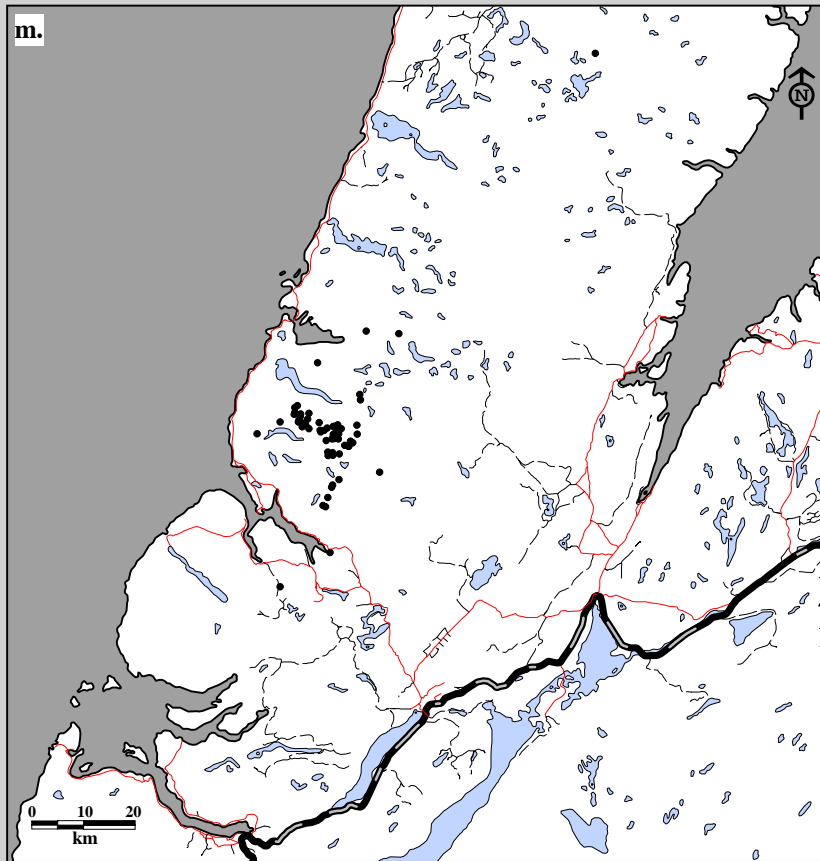


Fig. 8B-17. Gros Morne Caribou Herd radio telemetry locations. Data for m. females (64 locations; 26 caribou; 11 flights) and n. males (62 locations; 28 caribou; 11 flights) in July, 1992-97.

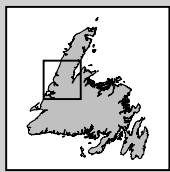
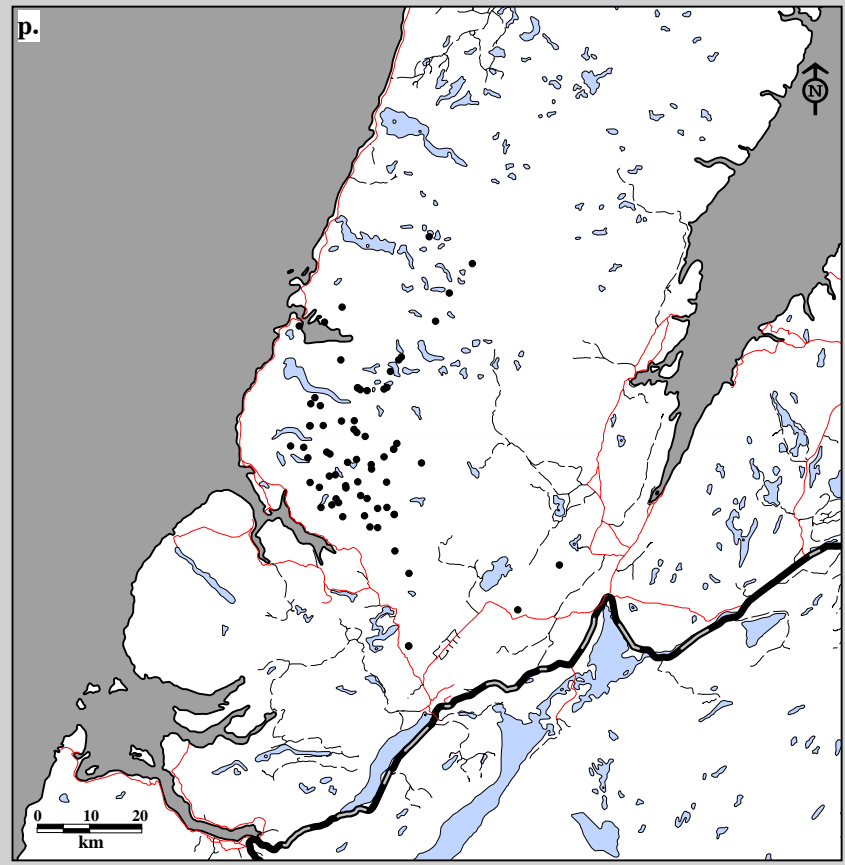
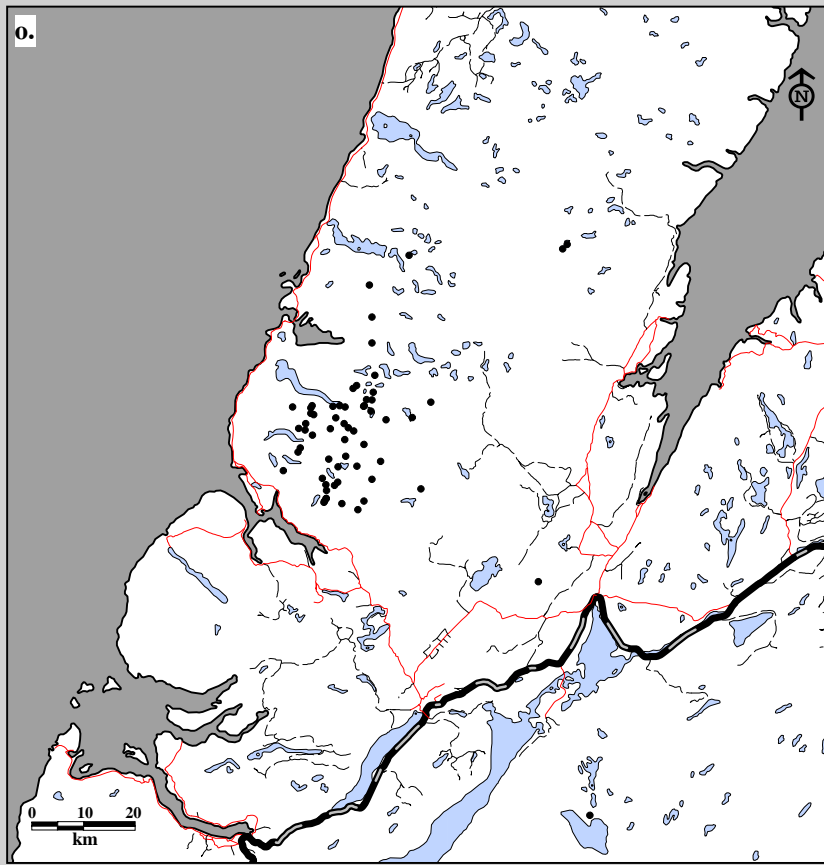


Fig. 8B-17. Gros Morne Caribou Herd radio telemetry locations. Data for o. females (61 locations; 29 caribou; 11 flights) and p. males (70 locations; 26 caribou; 11 flights) in August, 1992-97.

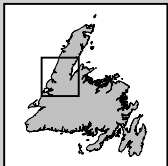
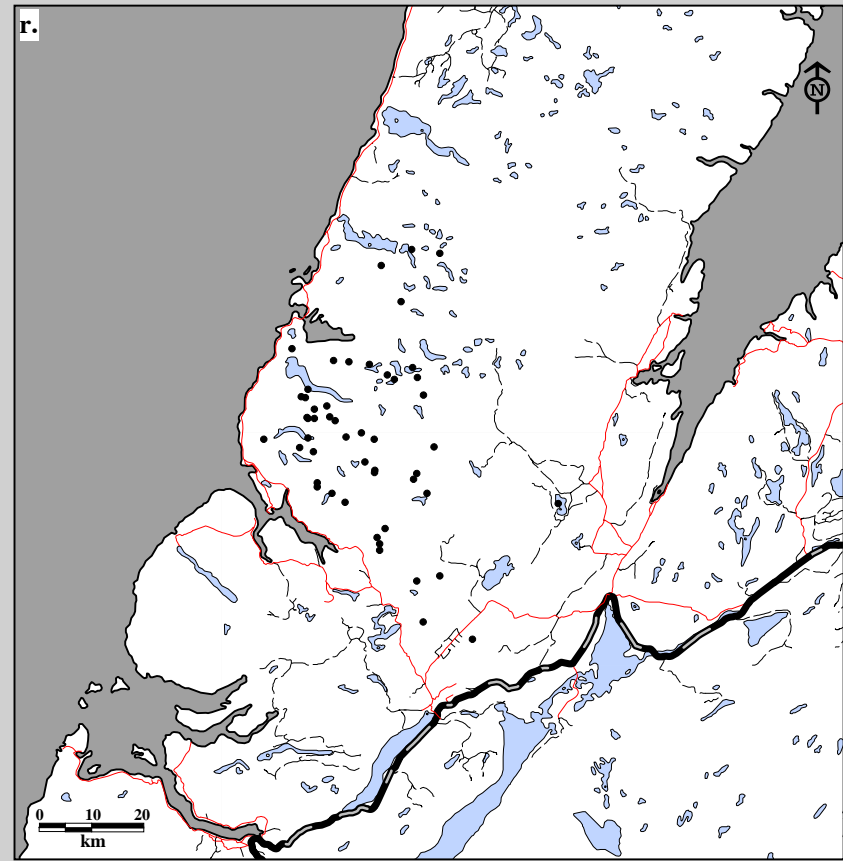
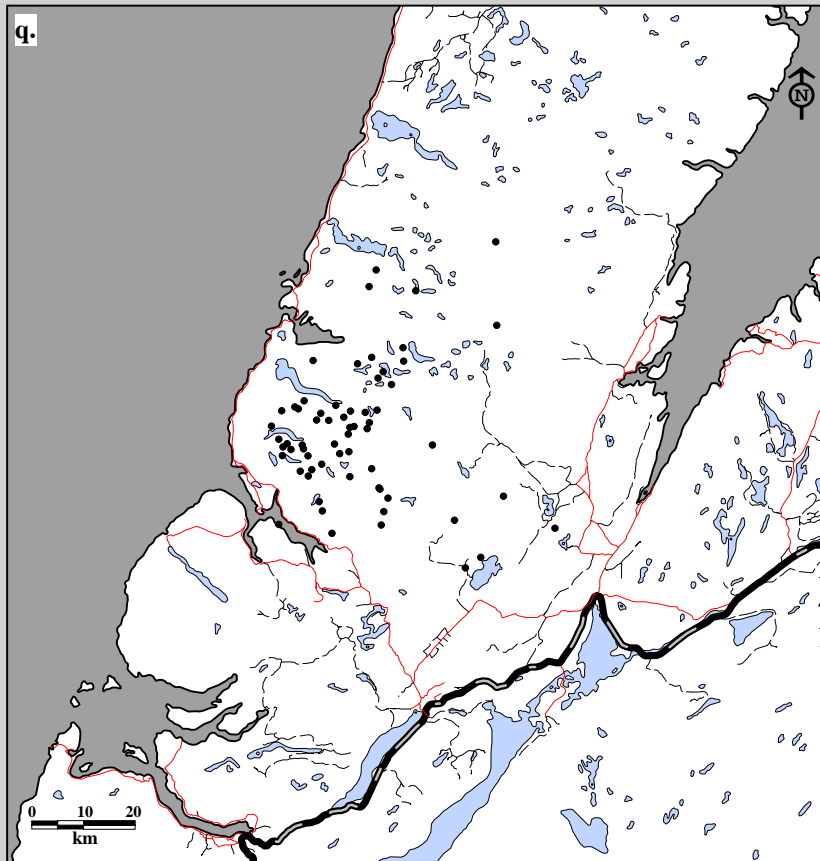


Fig. 8B-17. Gros Morne Caribou Herd radio telemetry locations. Data for q. females (63 locations; 36 caribou; 7 flights) and r. males (50 locations; 27 caribou; 7 flights) in September, 1992-97.

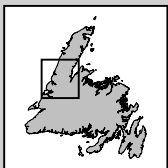
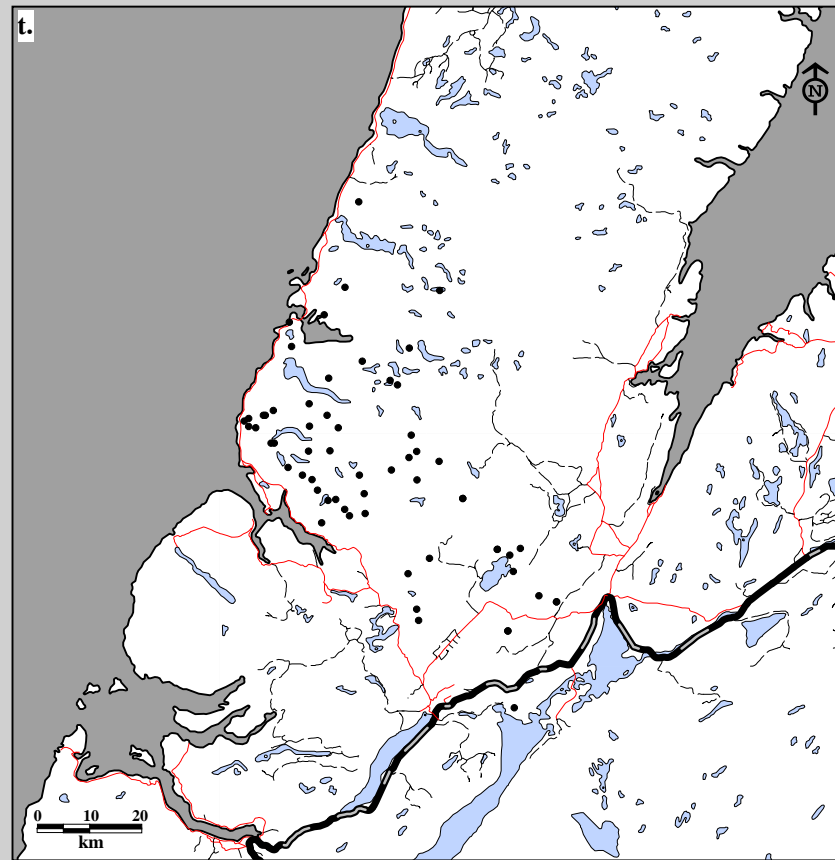
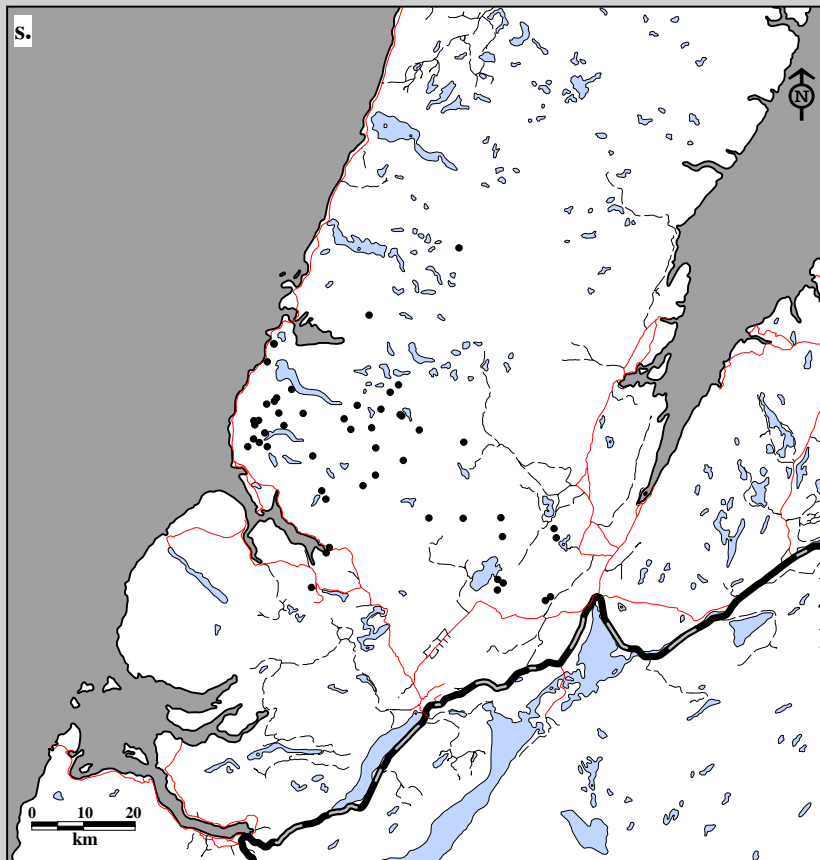


Fig. 8B-17. Gros Morne Caribou Herd radio telemetry locations. Data for s. females (52 locations; 23 caribou; 9 flights) and t. males (61 locations; 27 caribou; 9 flights) in October, 1992-97.

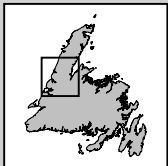
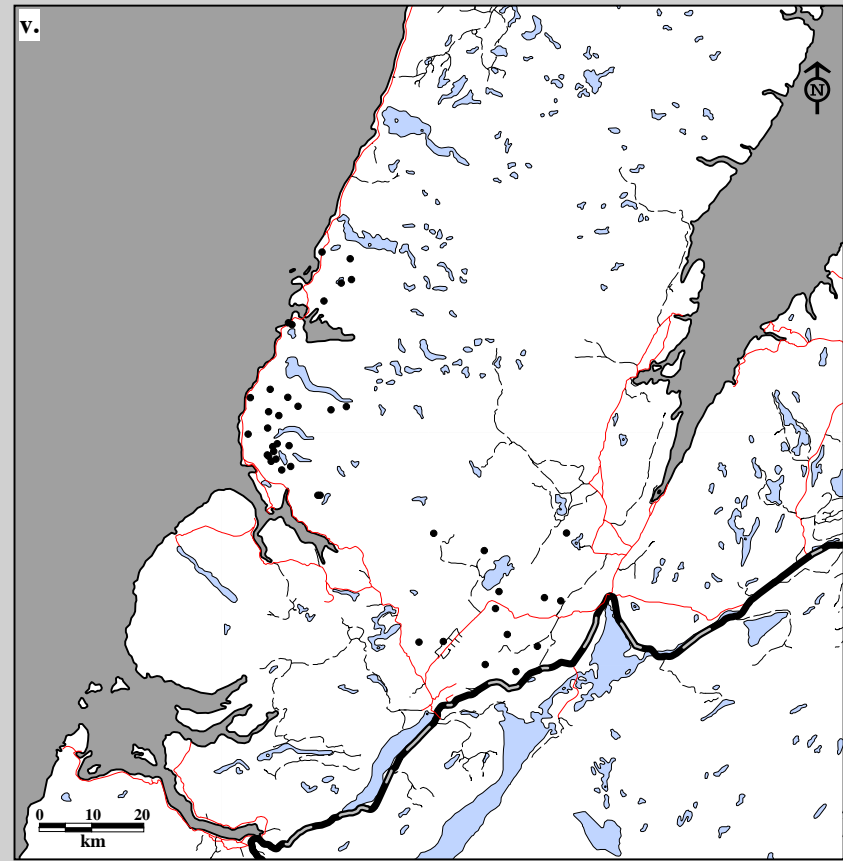
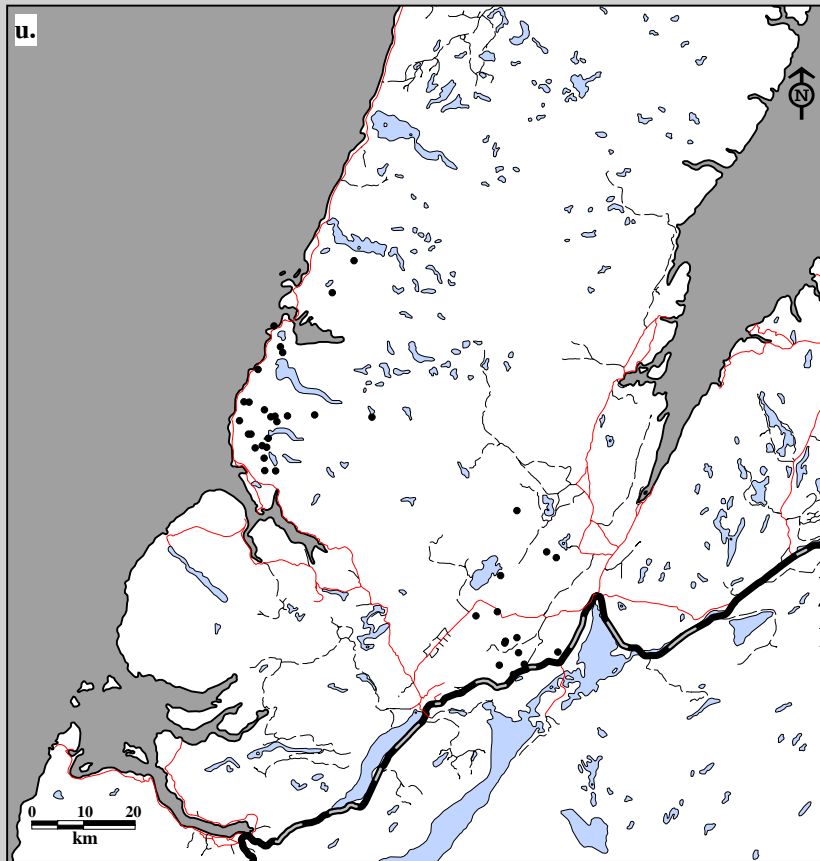


Fig. 8B-17. Gros Morne Caribou Herd radio telemetry locations. Data for u. females (39 locations; 24 caribou; 9 flights) and v. males (42 locations; 23 caribou; 9 flights) in November, 1992-97.

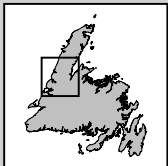
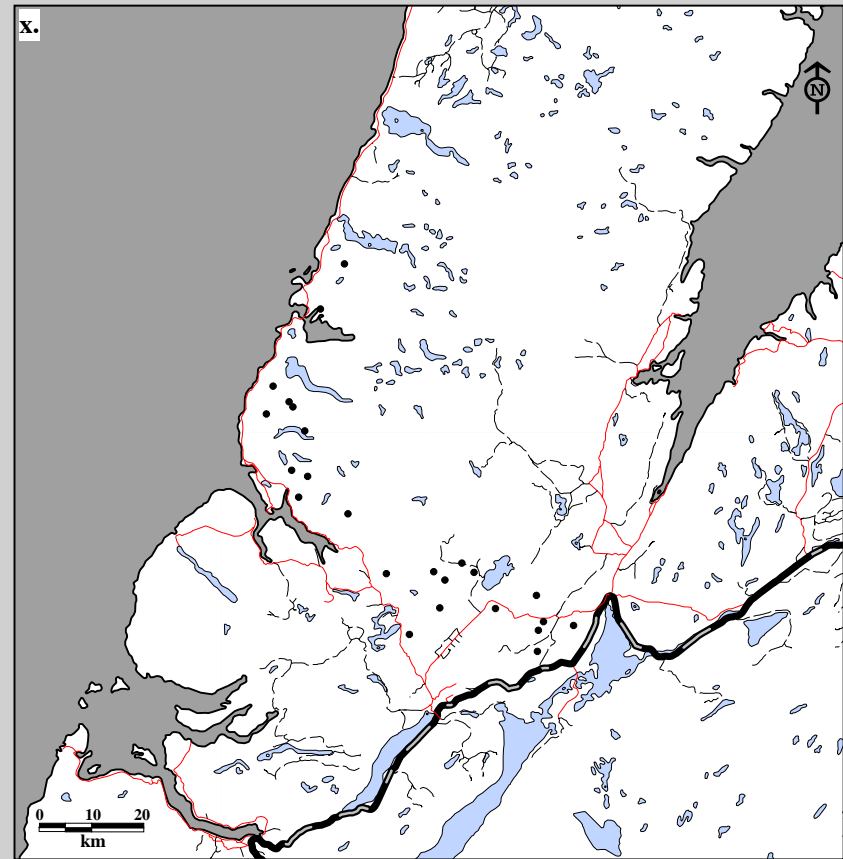
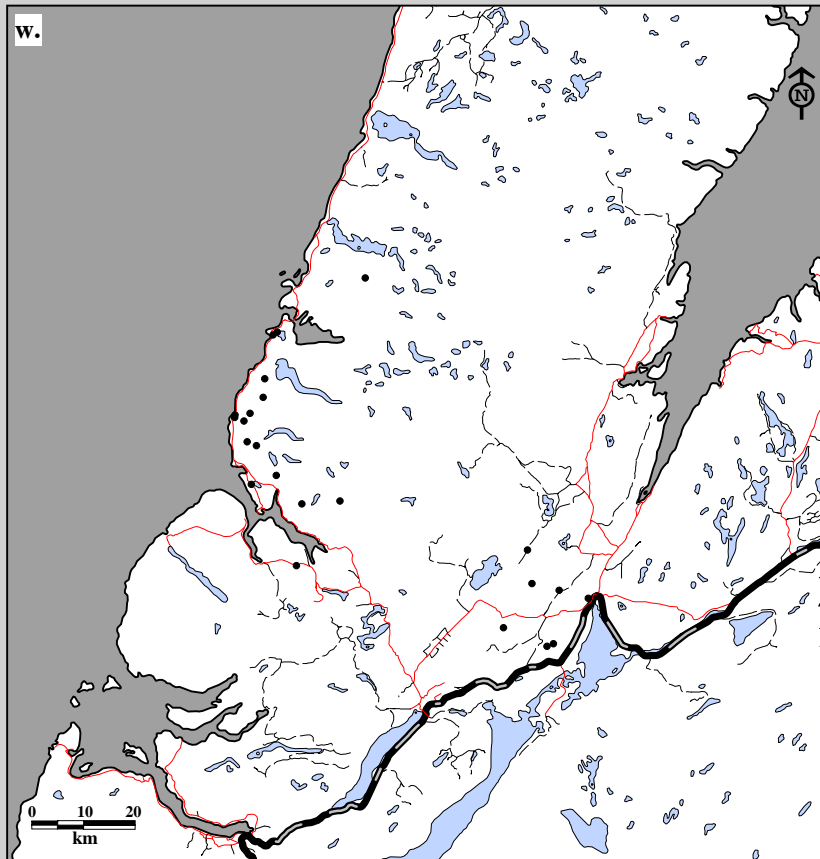
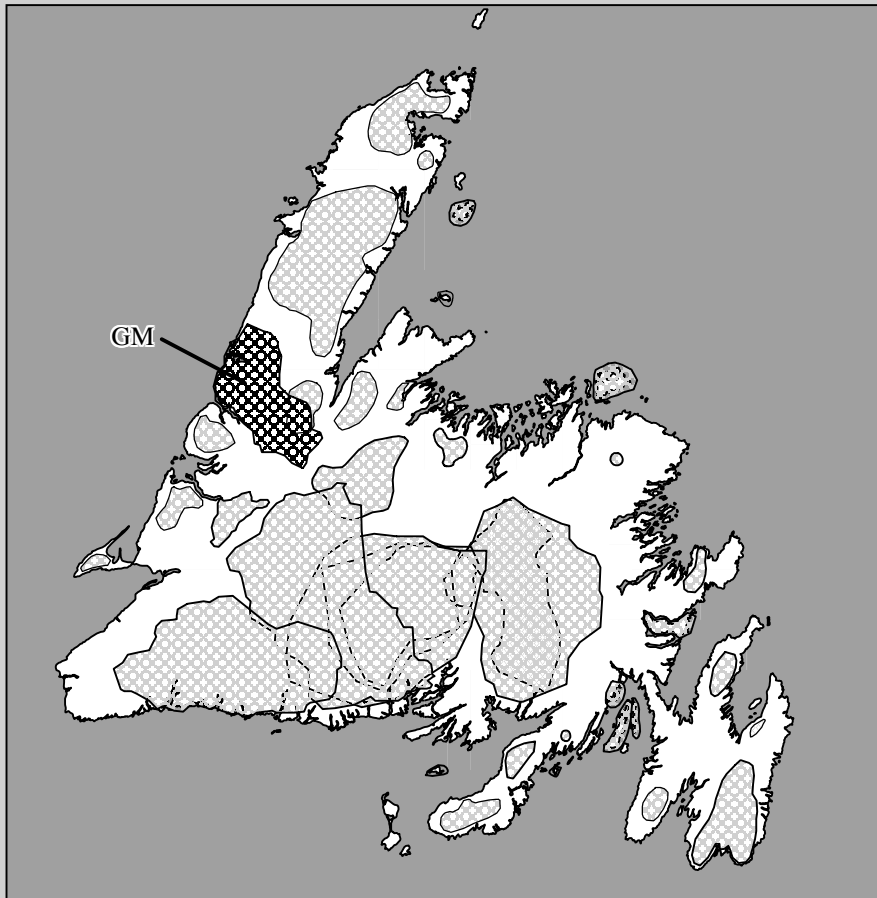
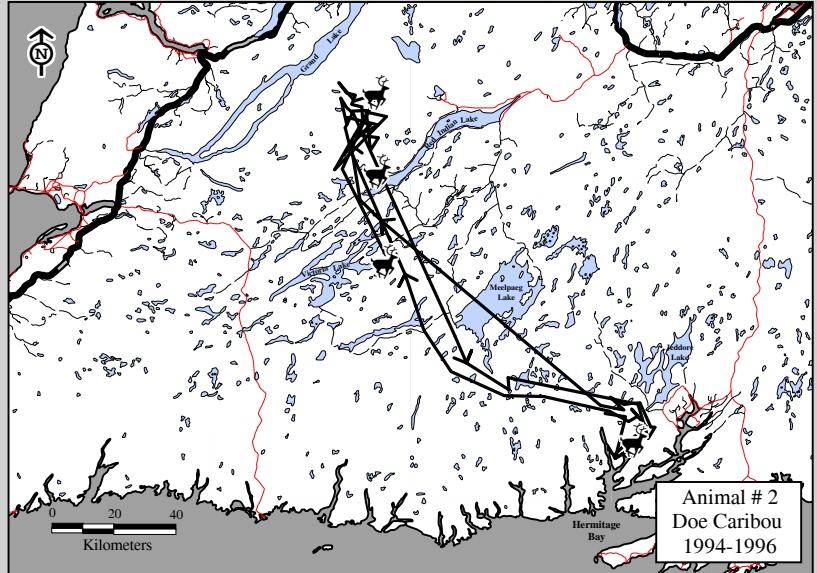


Fig. 8B-17. Gros Morne Caribou Herd radio telemetry locations. Data for w. females (23 locations; 19 caribou; 6 flights) and x. males (24 locations; 22 caribou; 6 flights) in December, 1992-97.



## Section 8C:

**Home Ranges by Herd  
Composition and Time.  
Minimum Convex Polygon  
and Harmonic Mean.**



## Caribou Herd

Gros Morne (GM)

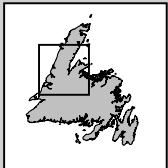
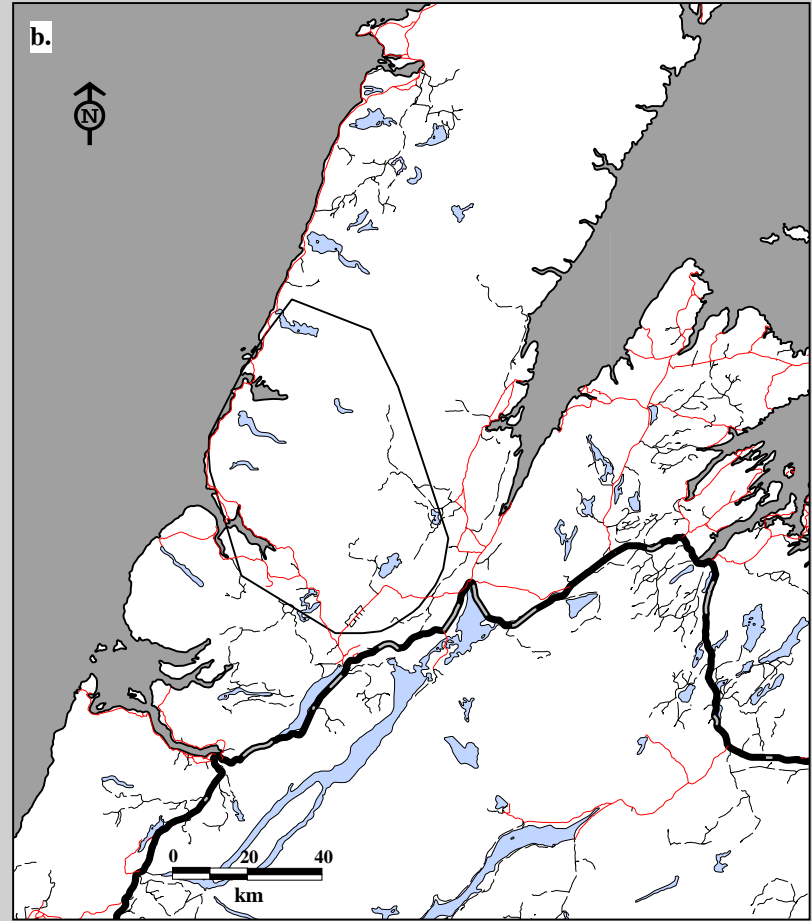
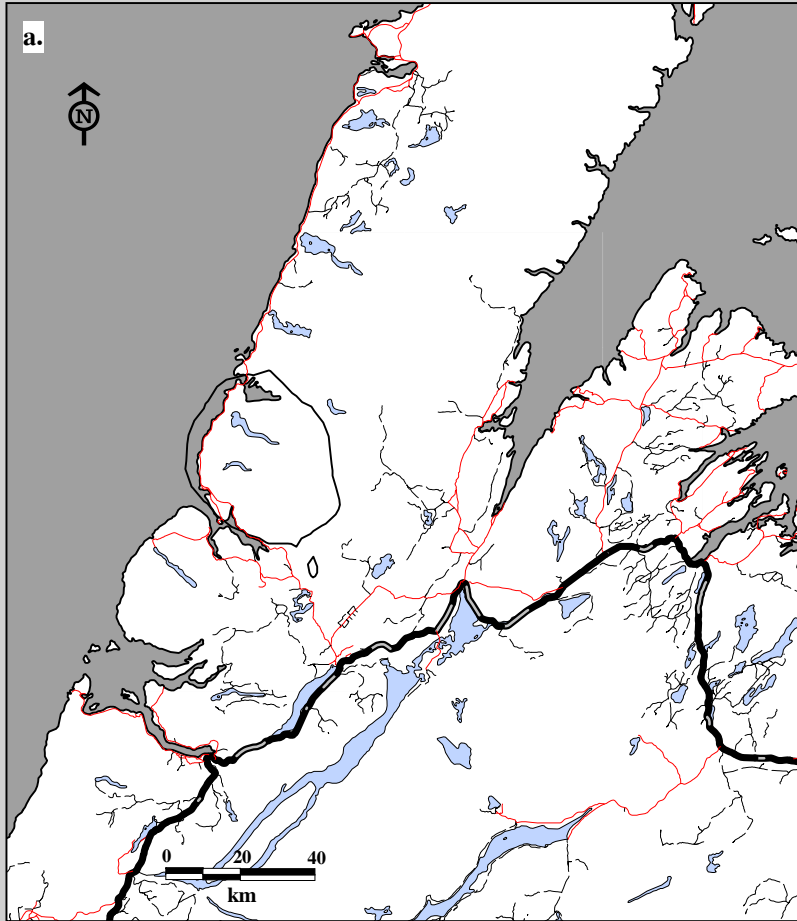


Fig. 8C-1. Gros Morne Caribou Herd radio telemetry locations for all cohorts Aug. 20, 1992 to Nov. 27, 1997.  
 a. Home ranges using 75% harmonic mean    b. Home ranges using 95% minimum convex polygon.

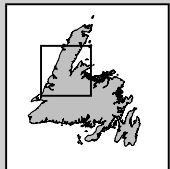
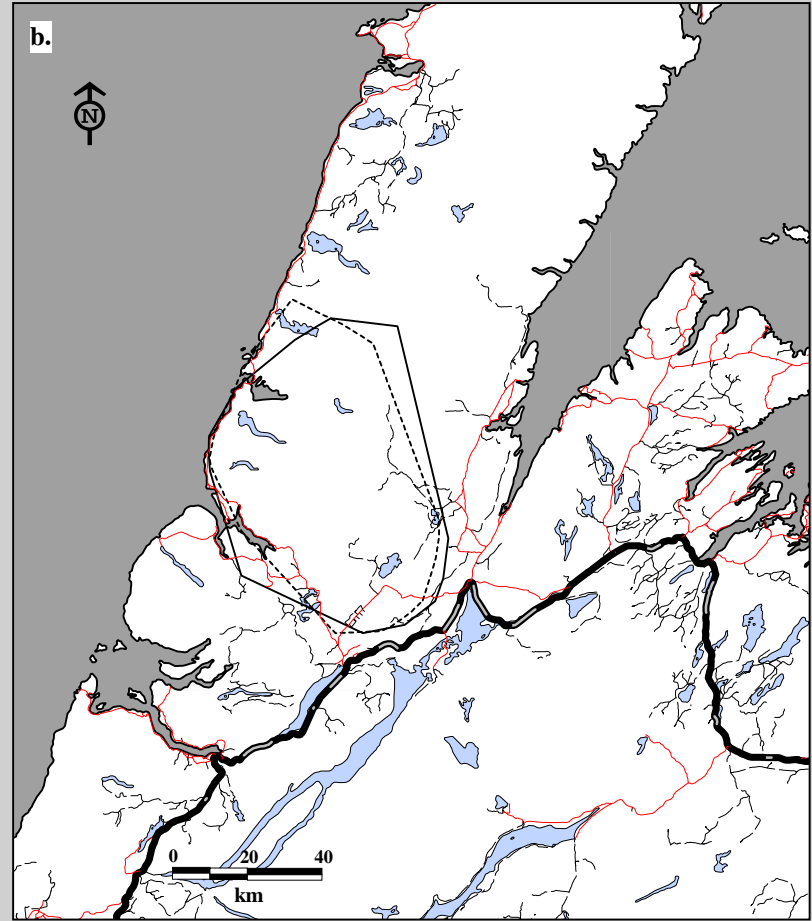
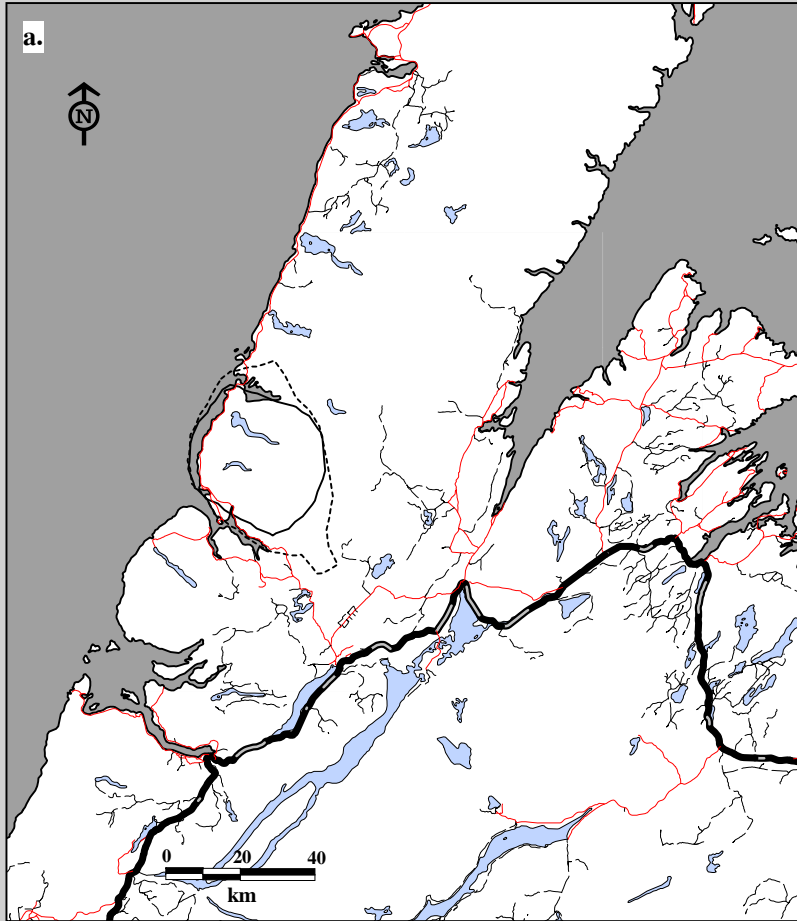
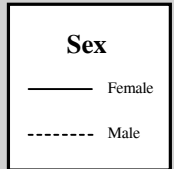


Fig. 8C-2. Gros Morne Caribou Herd radio telemetry locations by sex, ages combined Aug. 20, 1992 to Nov. 27, 1997.  
 a. Home ranges using 75% harmonic mean    b. Home ranges using 95% minimum convex polygon.



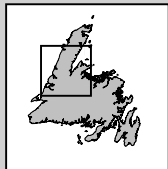
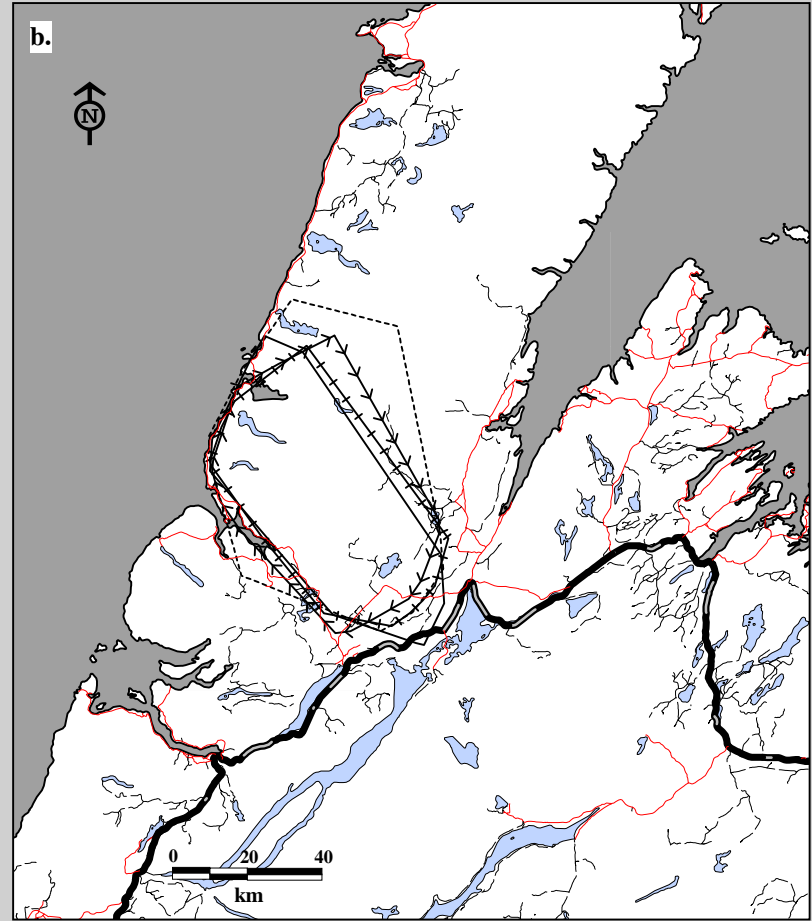
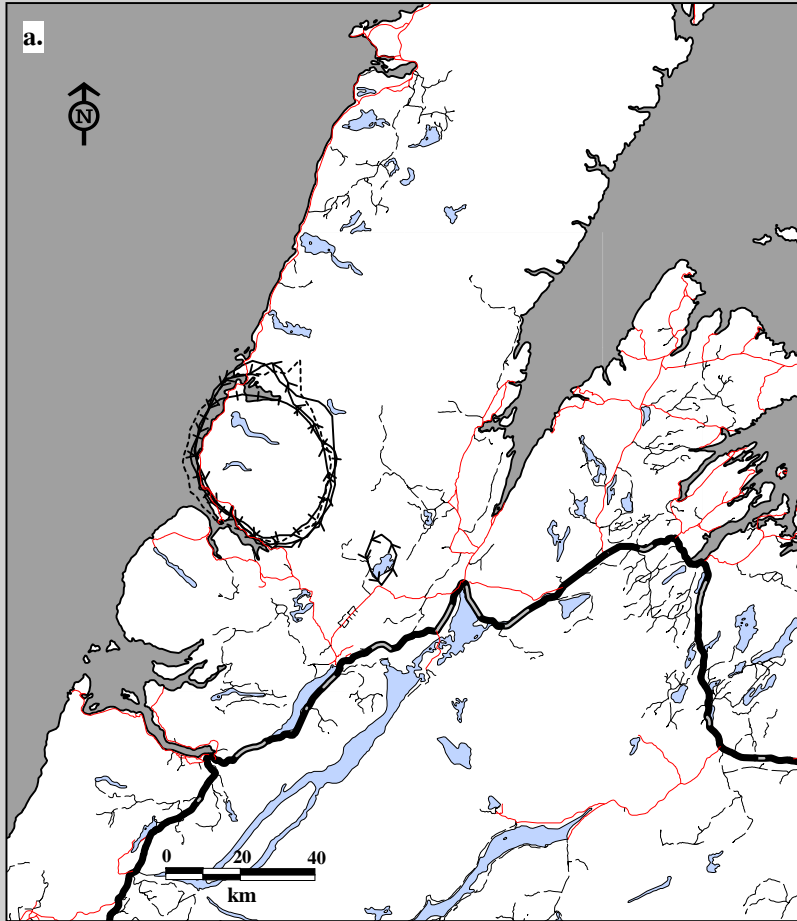
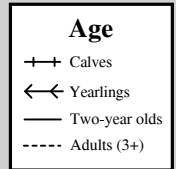


Fig. 8C-3. Gros Morne Caribou Herd radio telemetry locations by age, both sexes Aug. 20, 1992 to Nov. 27, 1997.  
 a. Home ranges using 75% harmonic mean    b. Home ranges using 95% minimum convex polygon.



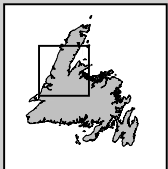
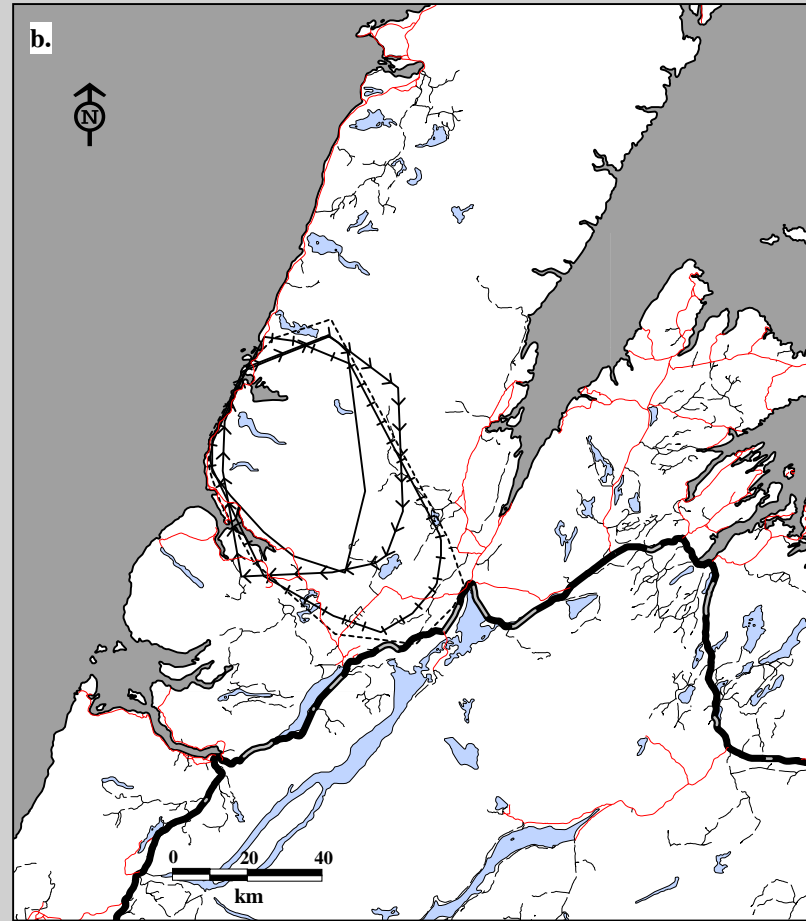
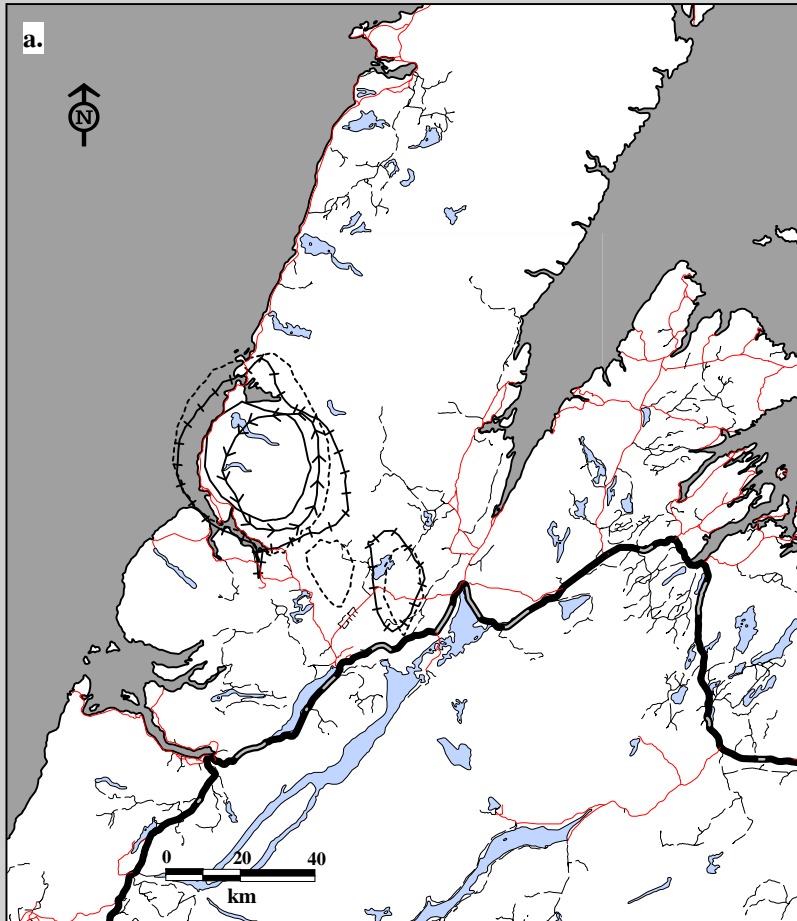
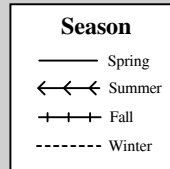


Fig. 8C-4. Gros Morne Caribou Herd radio telemetry locations for all cohorts Aug. 20, 1992 to Nov. 27, 1997.  
 a. Seasonal home ranges using 75% harmonic mean    b. Seasonal home ranges using 95% minimum convex polygon.



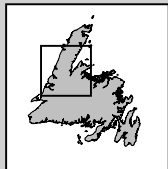
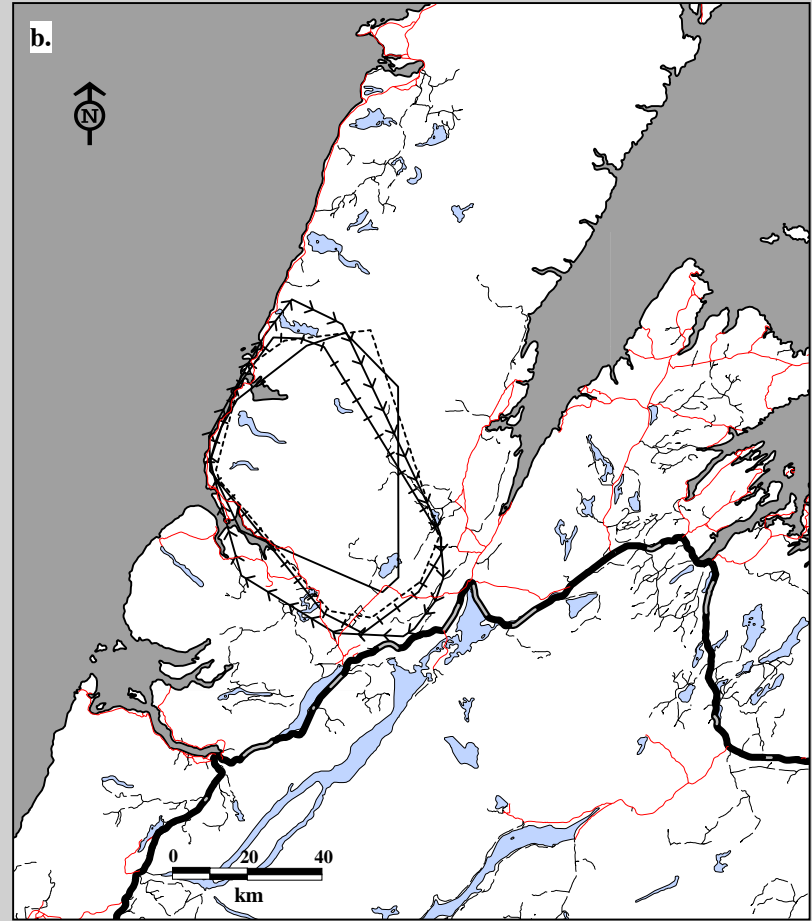
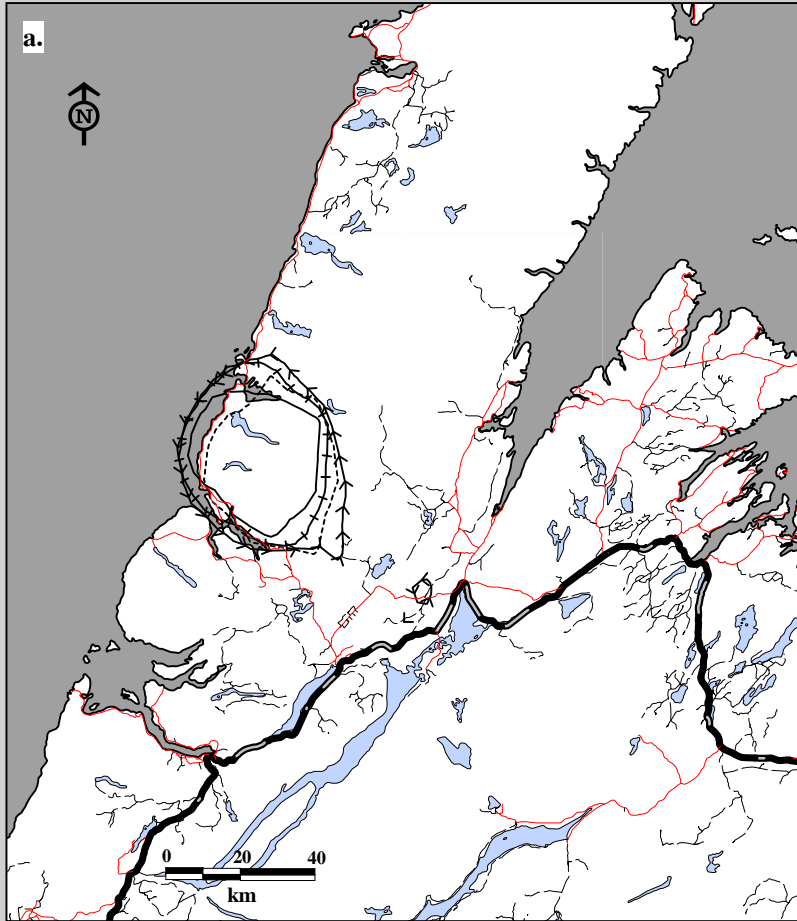
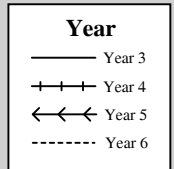


Fig. 8C-5. Gros Morne Caribou Herd radio telemetry locations for all cohorts May 1, 1994 to Nov. 27, 1997.  
 a. Annual home ranges using 75% harmonic mean    b. Annual home ranges using 95% minimum convex polygon.



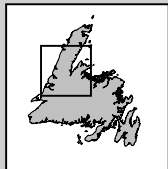
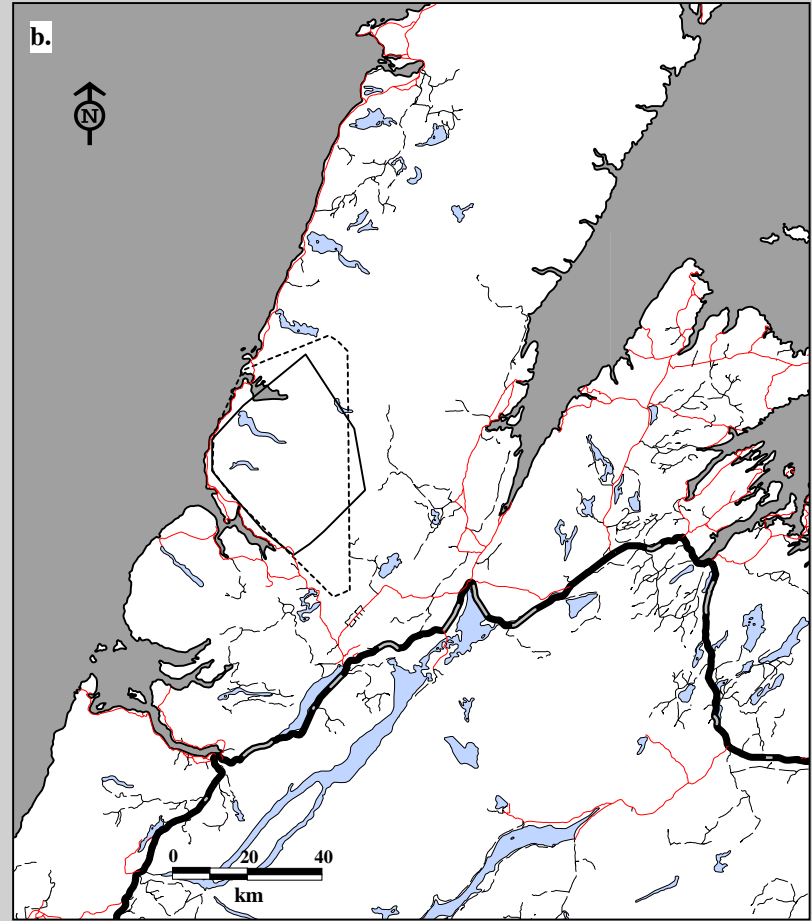
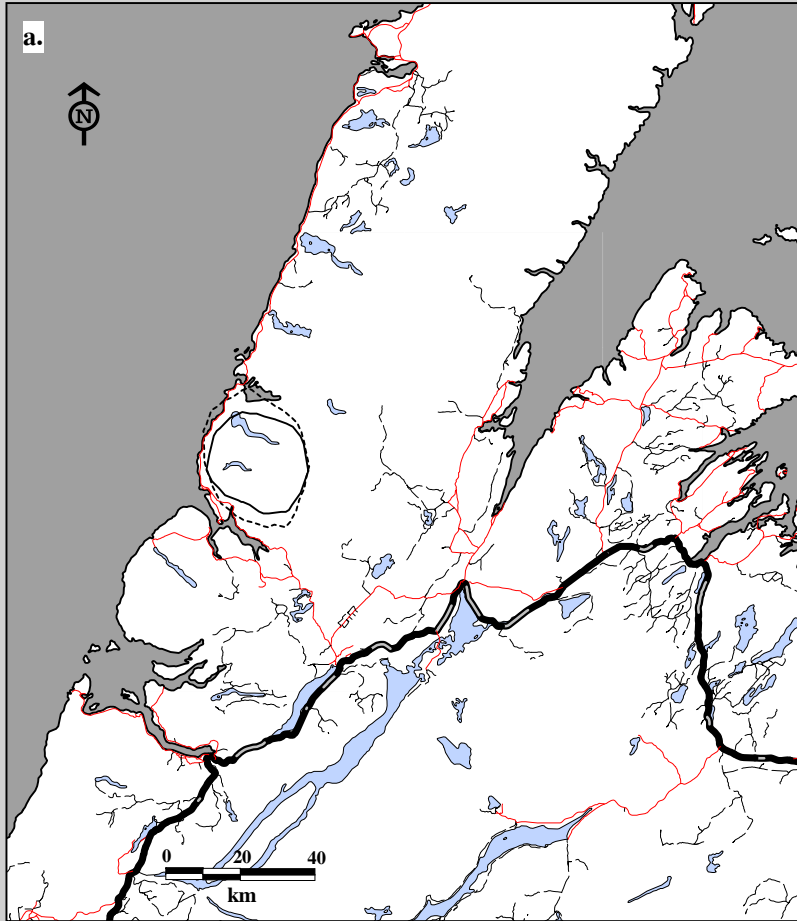
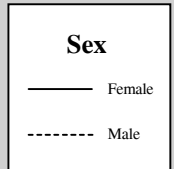


Fig. 8C-6. Gros Morne Caribou Herd radio telemetry locations by sex, ages combined Aug. 20, 1992 to Nov. 27, 1997.  
 a. Spring home ranges using 75% harmonic mean    b. Spring home ranges using 95% minimum convex polygon.





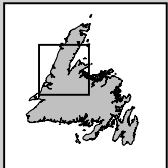
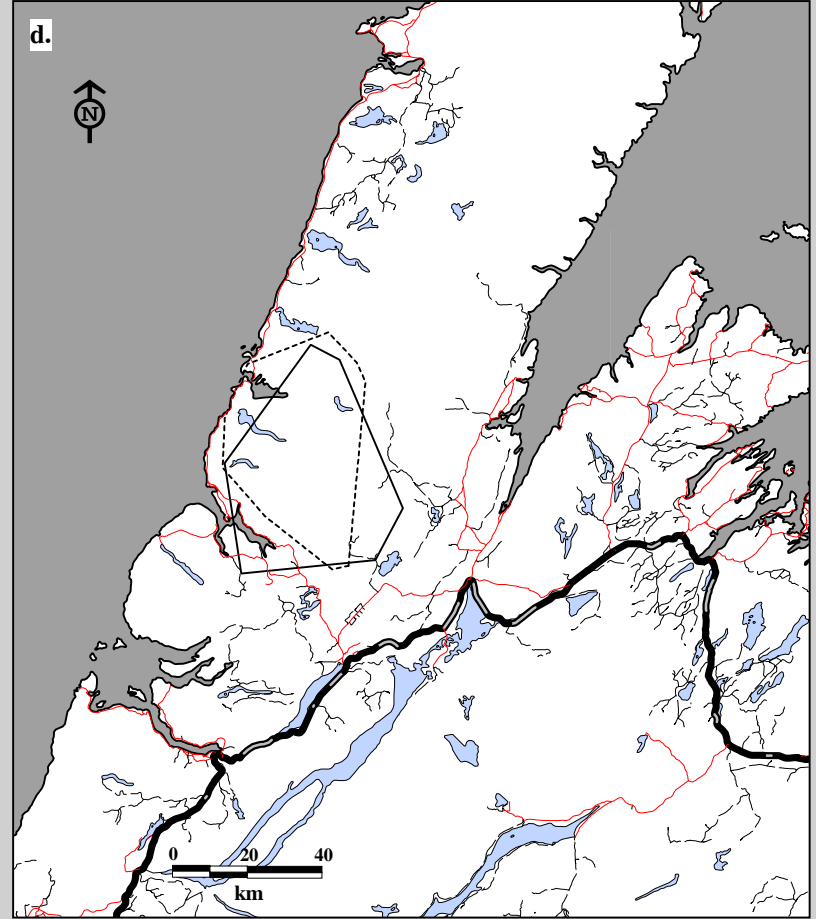
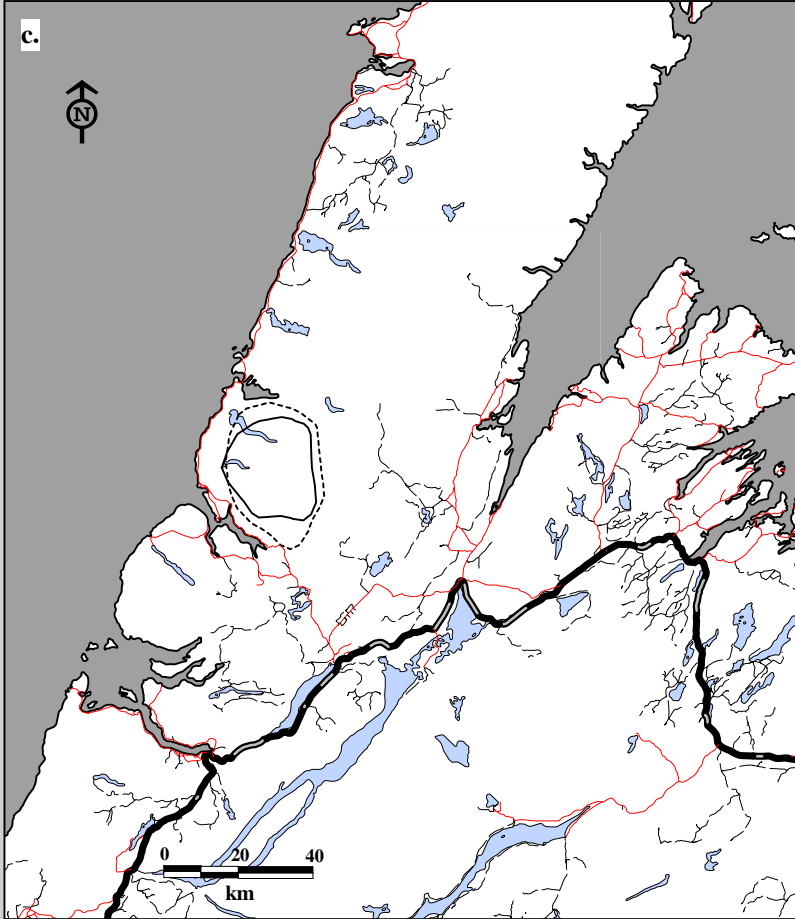
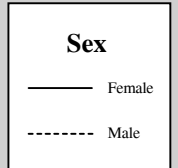


Fig. 8C-6. Gros Morne Caribou Herd radio telemetry locations by sex, ages combined Aug. 20, 1992 to Nov. 27, 1997.  
 c. Summer home ranges using 75% harmonic mean    d. Summer home ranges using 95% minimum convex polygon.





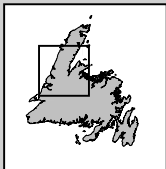
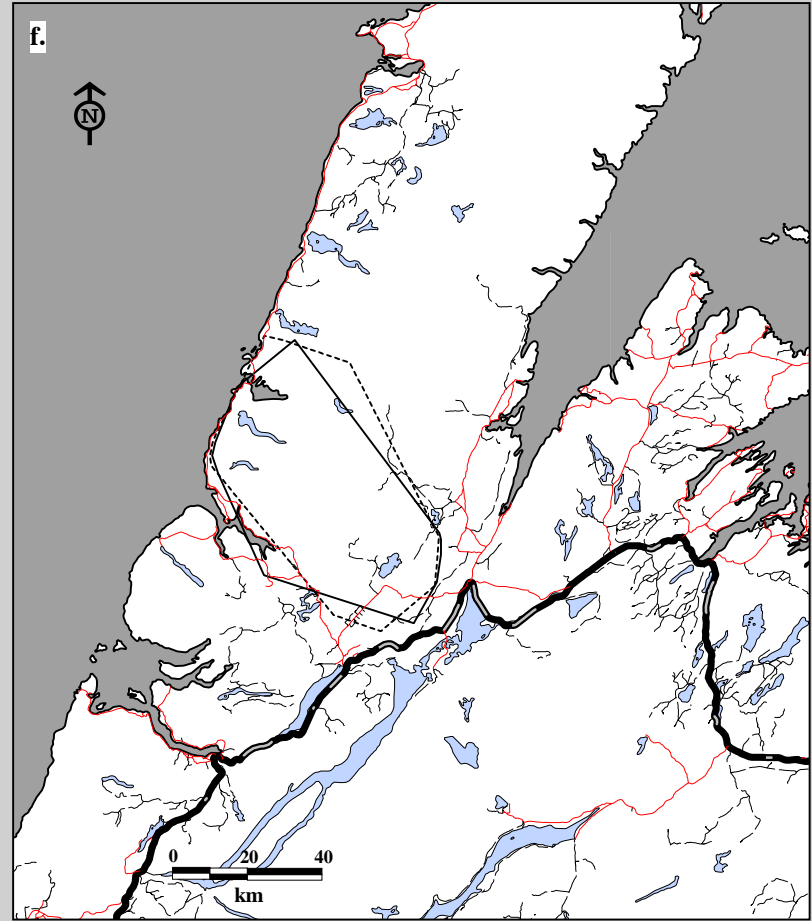
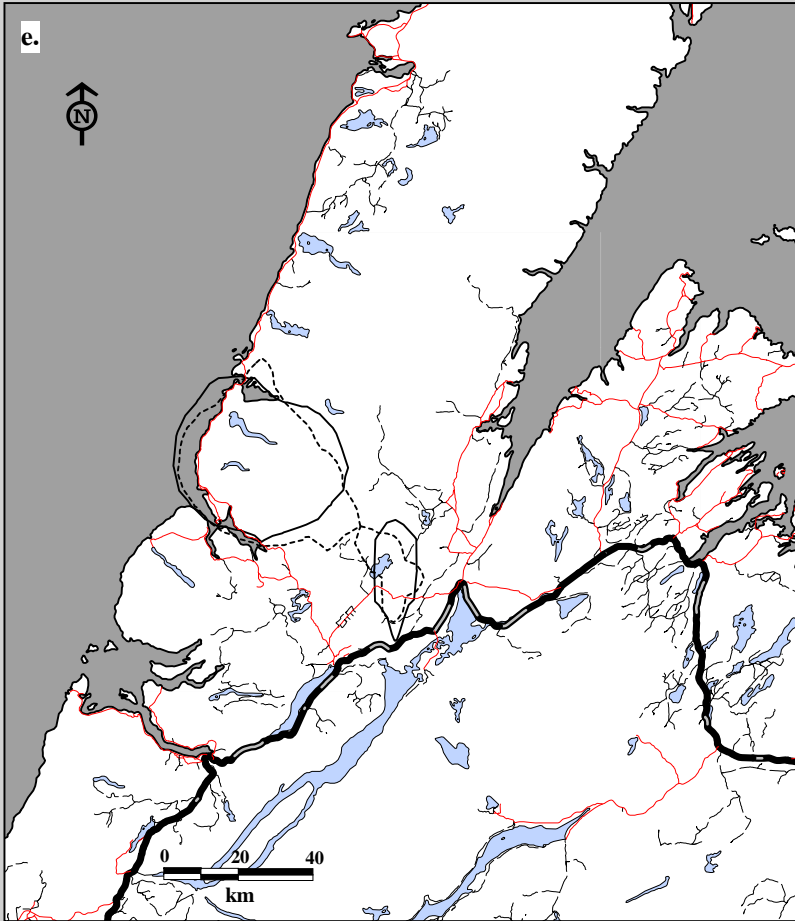
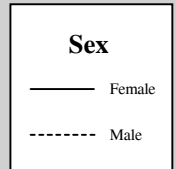


Fig. 8C-6. Gros Morne Caribou Herd radio telemetry locations by sex, ages combined Aug. 20, 1992 to Nov. 27, 1997.  
 e. Fall home ranges using 75% harmonic mean    f. Fall home ranges using 95% minimum convex polygon.



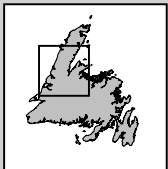
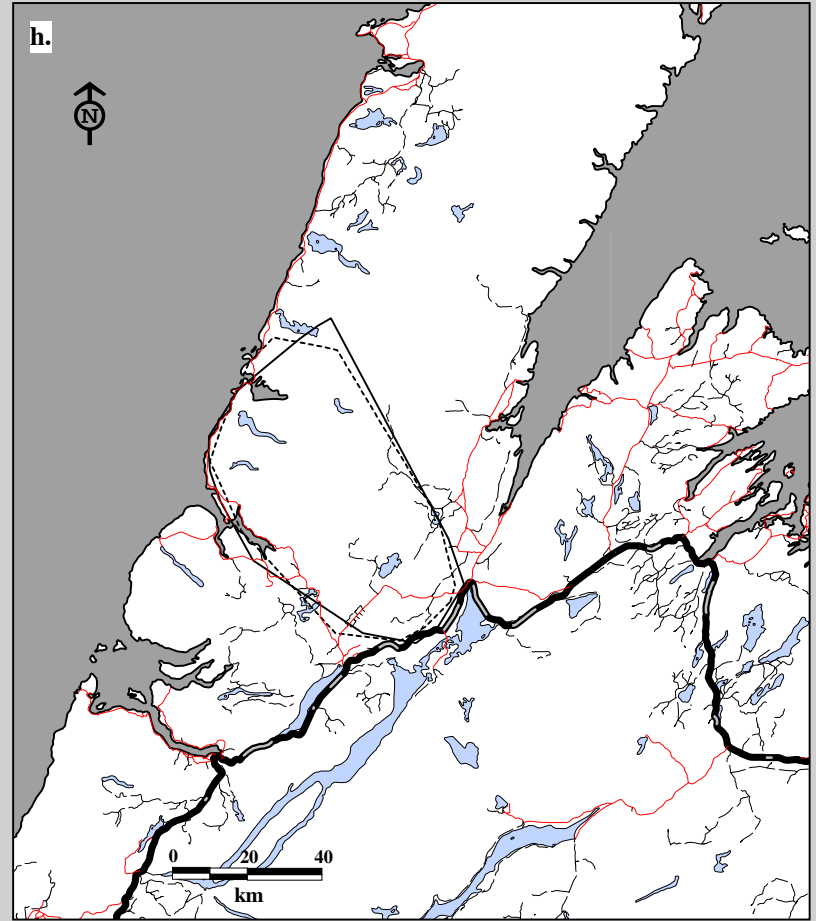
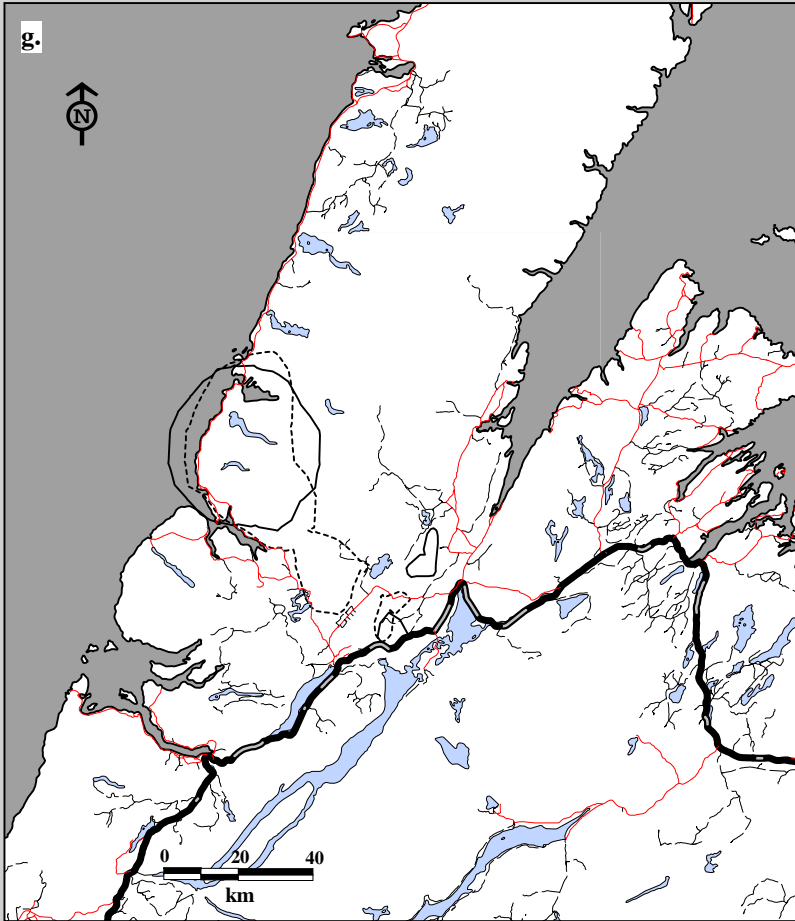
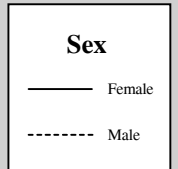


Fig. 8C-6. Gros Morne Caribou Herd radio telemetry locations by sex, ages combined Aug. 20, 1992 to Nov. 27, 1997.  
 g. Winter home ranges using 75% harmonic mean    h. Winter home ranges using 95% minimum convex polygon.



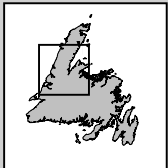
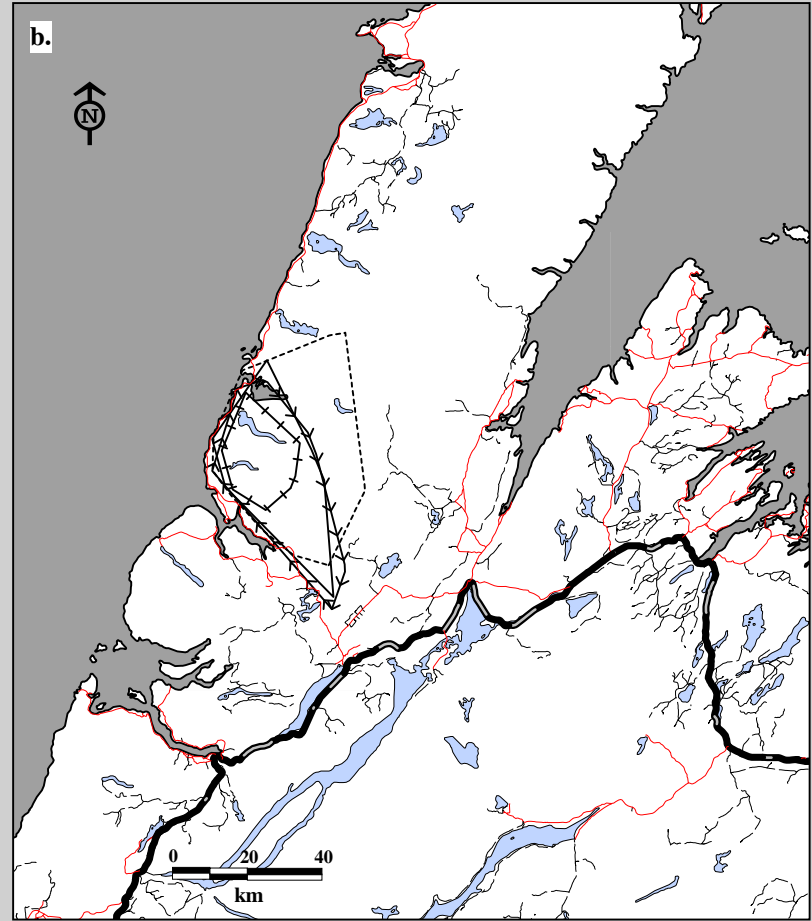
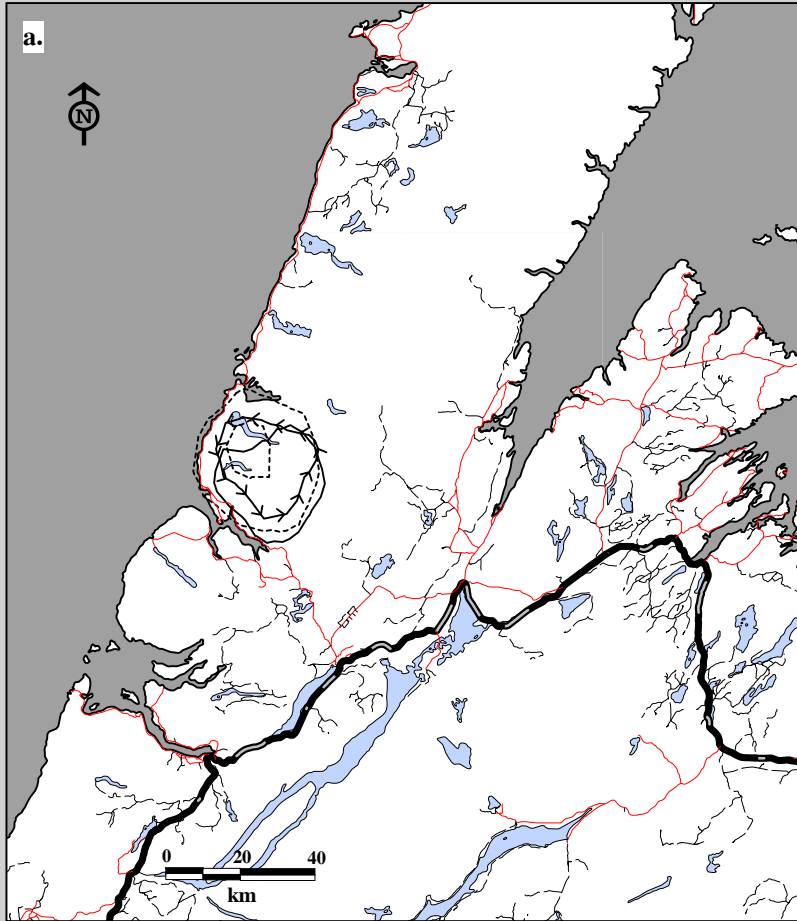
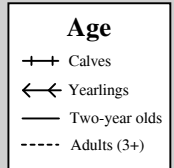


Fig. 8C-7. Gros Morne Caribou Herd radio telemetry locations by age, both sexes Aug. 20, 1992 to Nov. 27, 1997.  
 a. Spring home ranges using 75% harmonic mean    b. Spring home ranges using 95% minimum convex polygon.



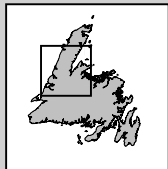
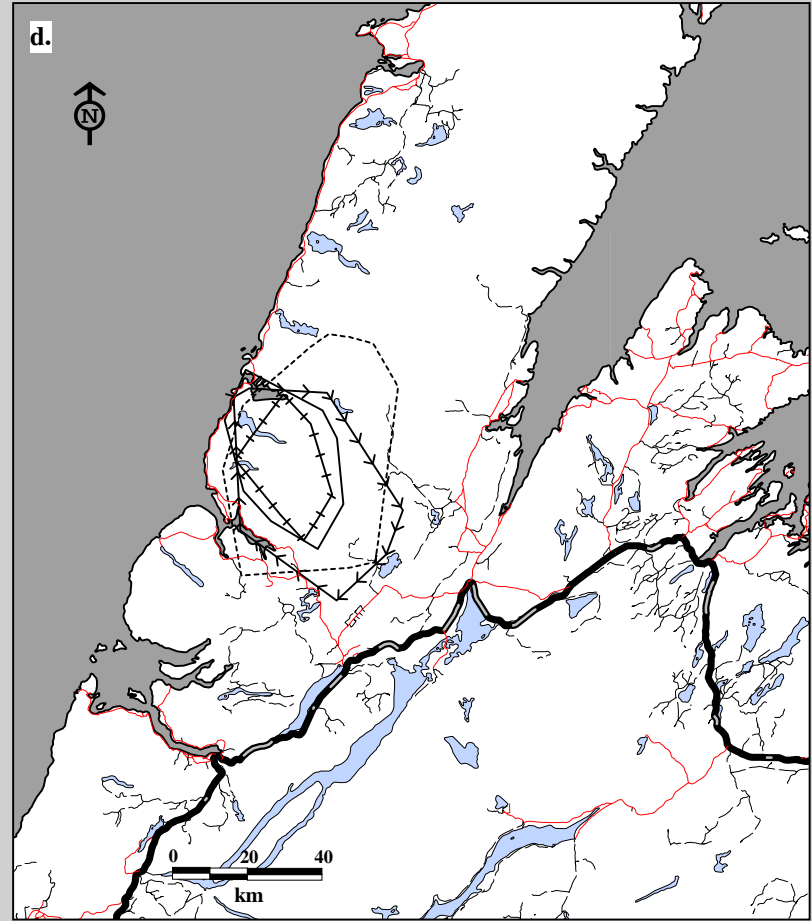
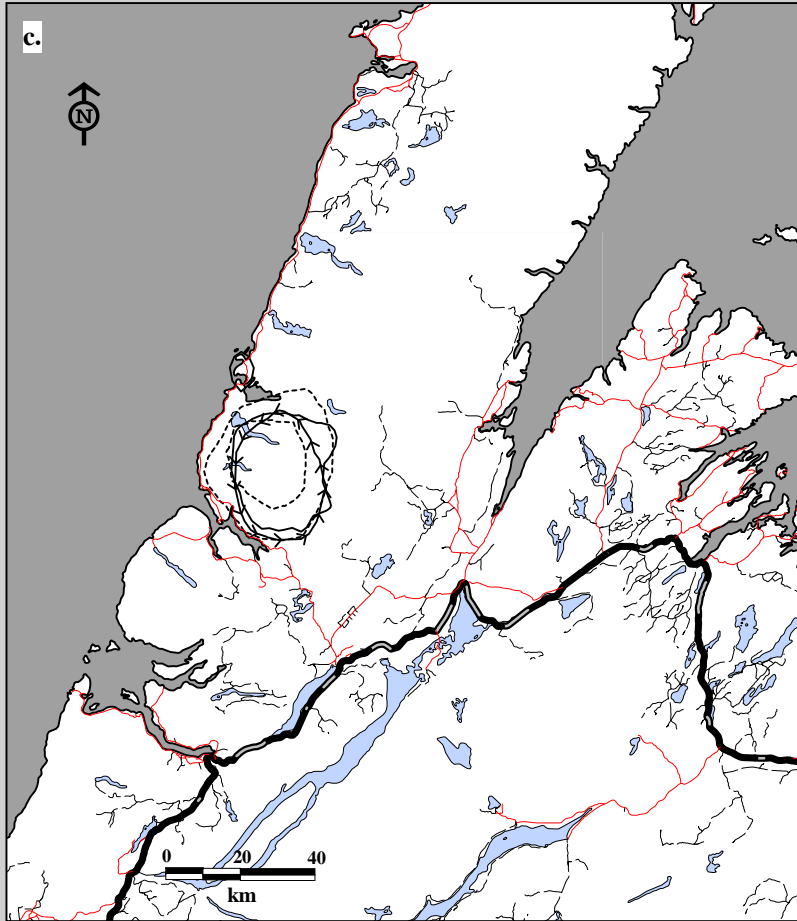
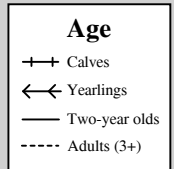


Fig. 8C-7. Gros Morne Caribou Herd radio telemetry locations by age, both sexes Aug. 20, 1992 to Nov. 27, 1997.  
 c. Summer home ranges using 75% harmonic mean    d. Summer home ranges using 95% minimum convex polygon.



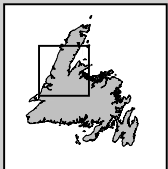
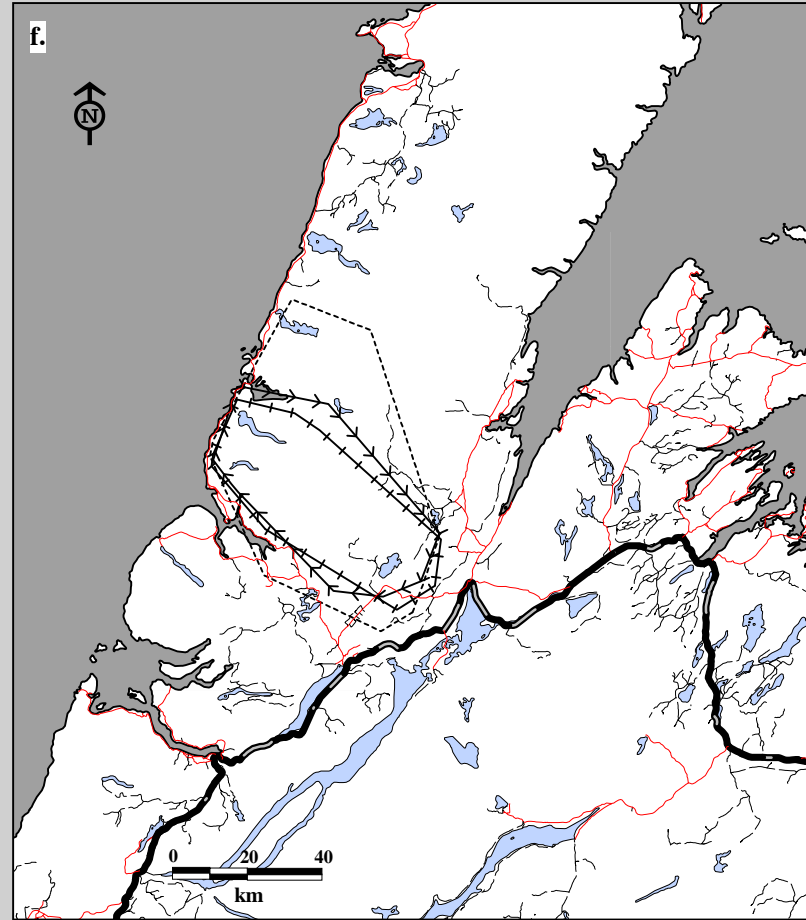
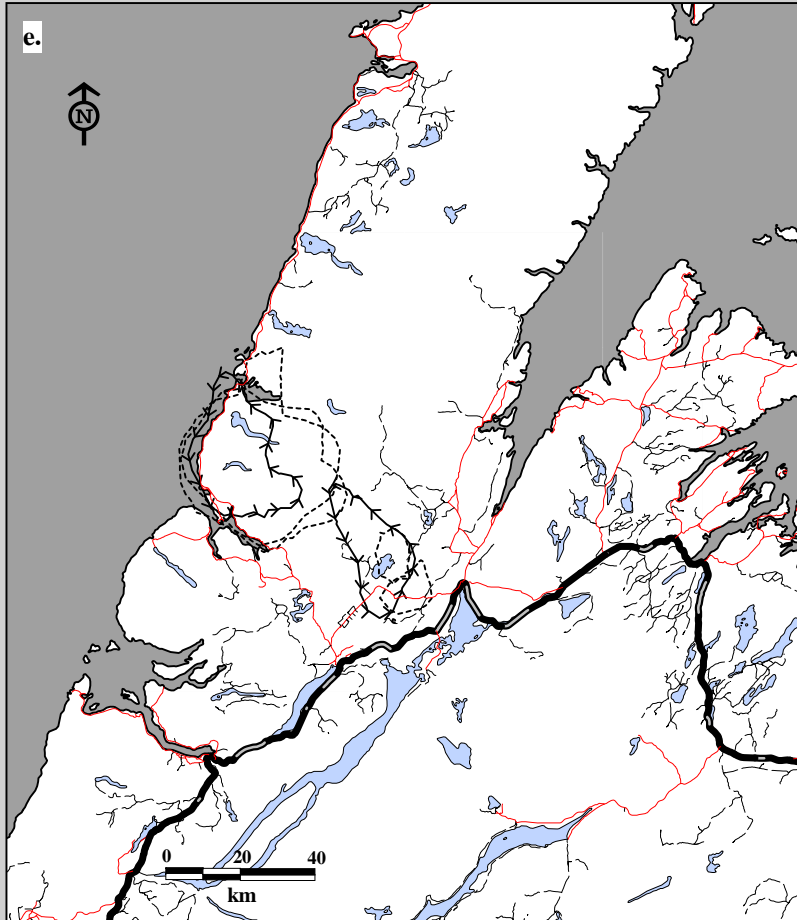


Fig. 8C-7. Gros Morne Caribou Herd radio telemetry locations by age, both sexes Aug. 20, 1992 to Nov. 27, 1997.  
 e. Fall home ranges using 75% harmonic mean    f. Fall home ranges using 95% minimum convex polygon.

**Age**

- +++ Calves
- ←←← Yearlings
- Adults (3+)

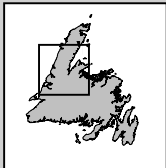
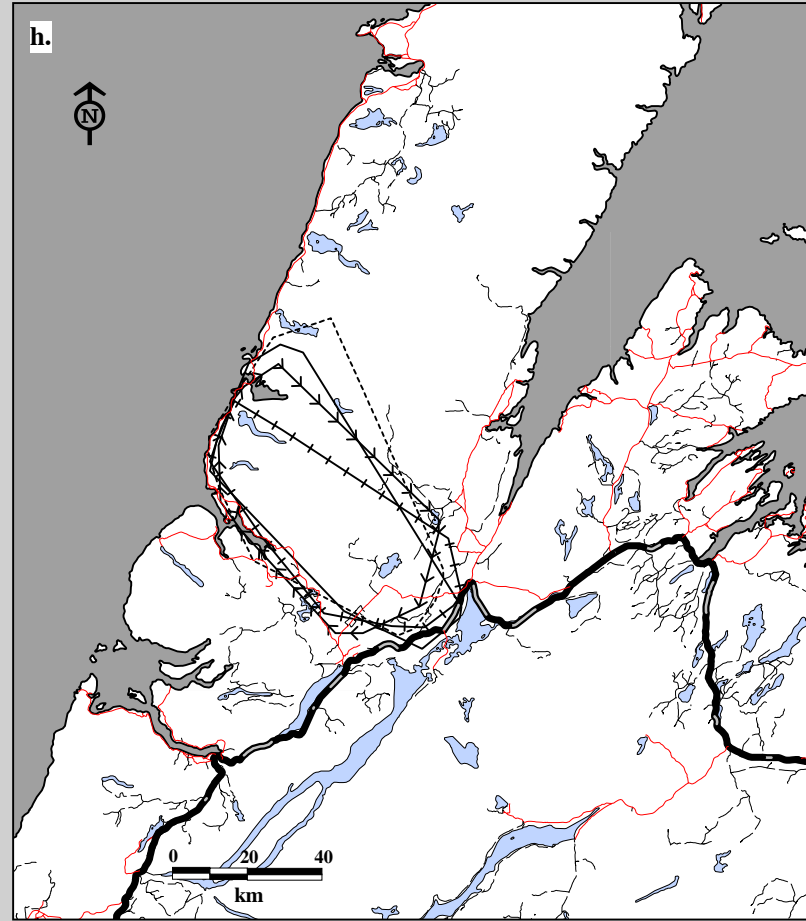
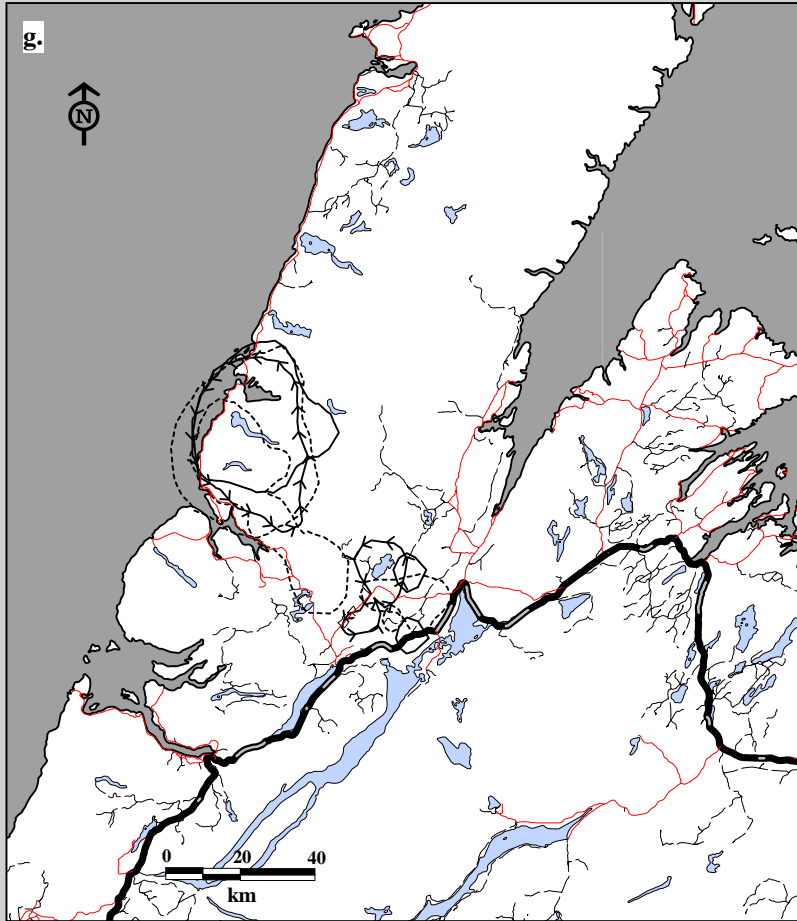
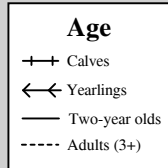


Fig. 8C-7. Gros Morne Caribou Herd radio telemetry locations by age, both sexes Aug. 20, 1992 to Nov. 27, 1997.  
 g. Winter home ranges using 75% harmonic mean    h. Winter home ranges using 95% minimum convex polygon.



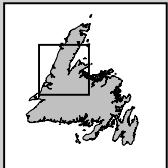
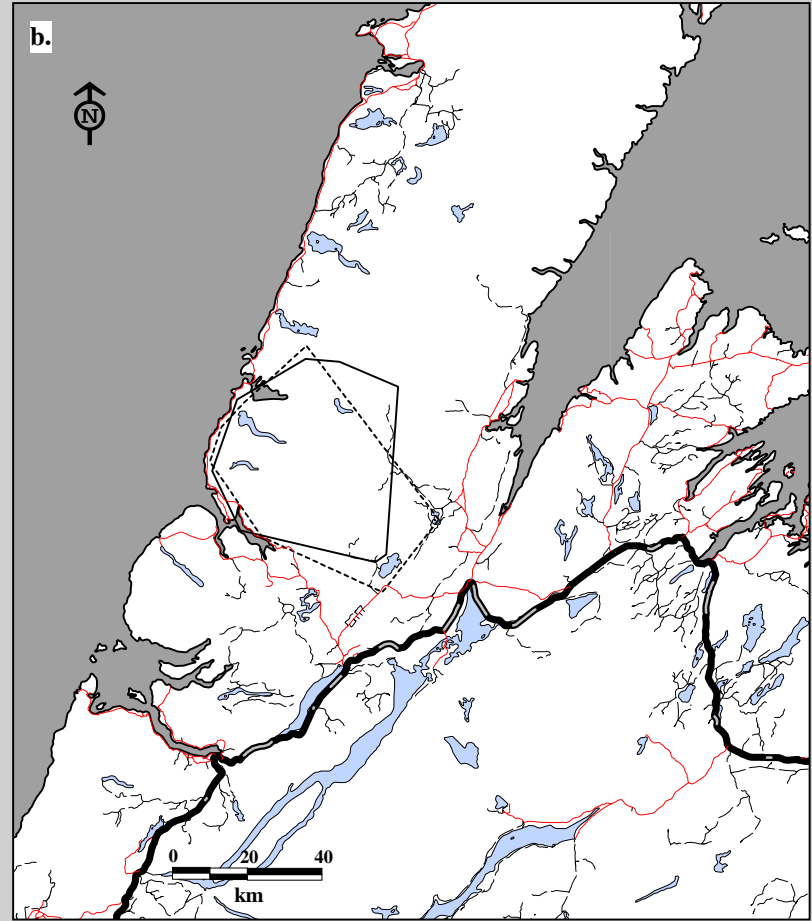
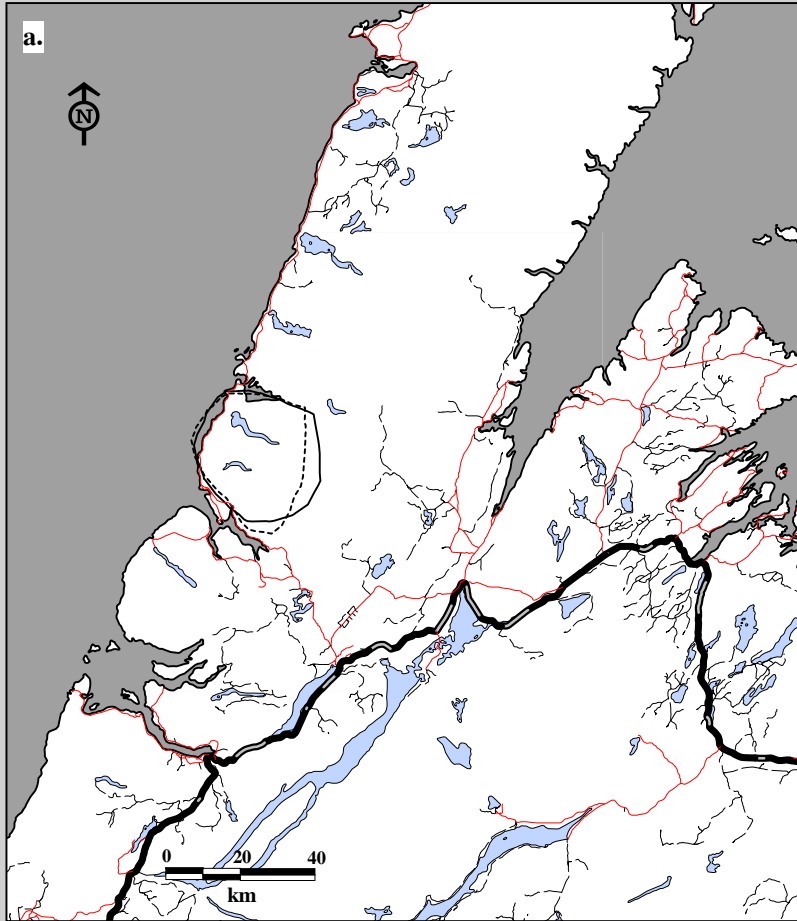
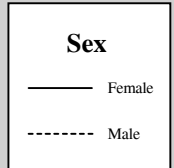


Fig. 8C-8. Gros Morne Caribou Herd radio telemetry locations by sex, ages combined May 1, 1994 to April 30, 1995.  
 a. Home ranges using 75% harmonic mean    b. Home ranges using 95% minimum convex polygon.





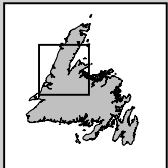
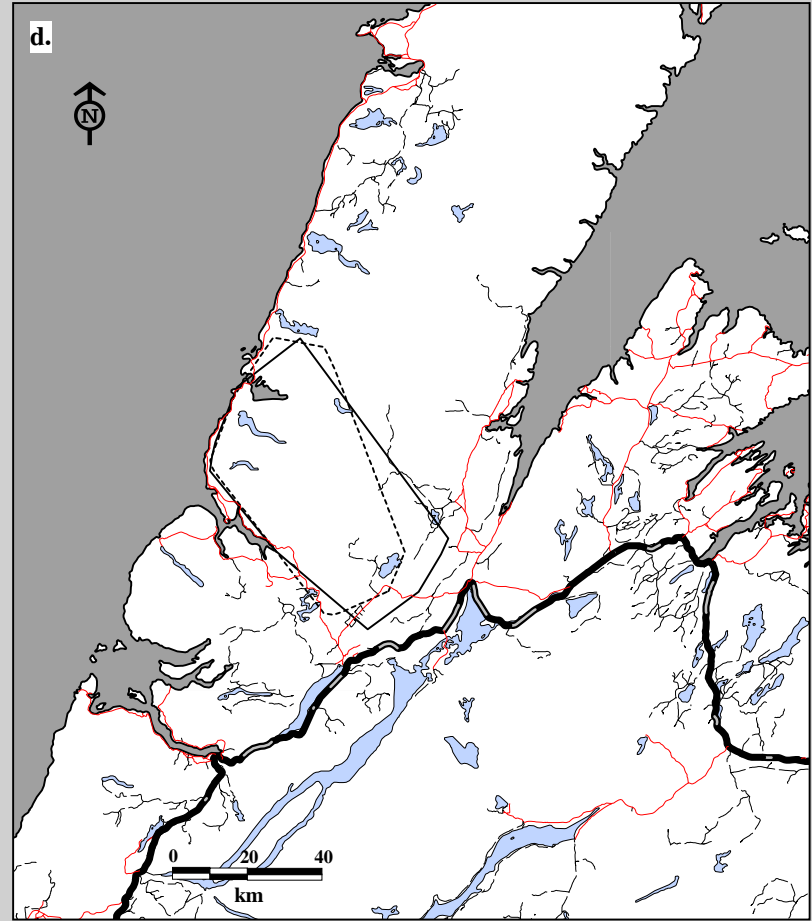
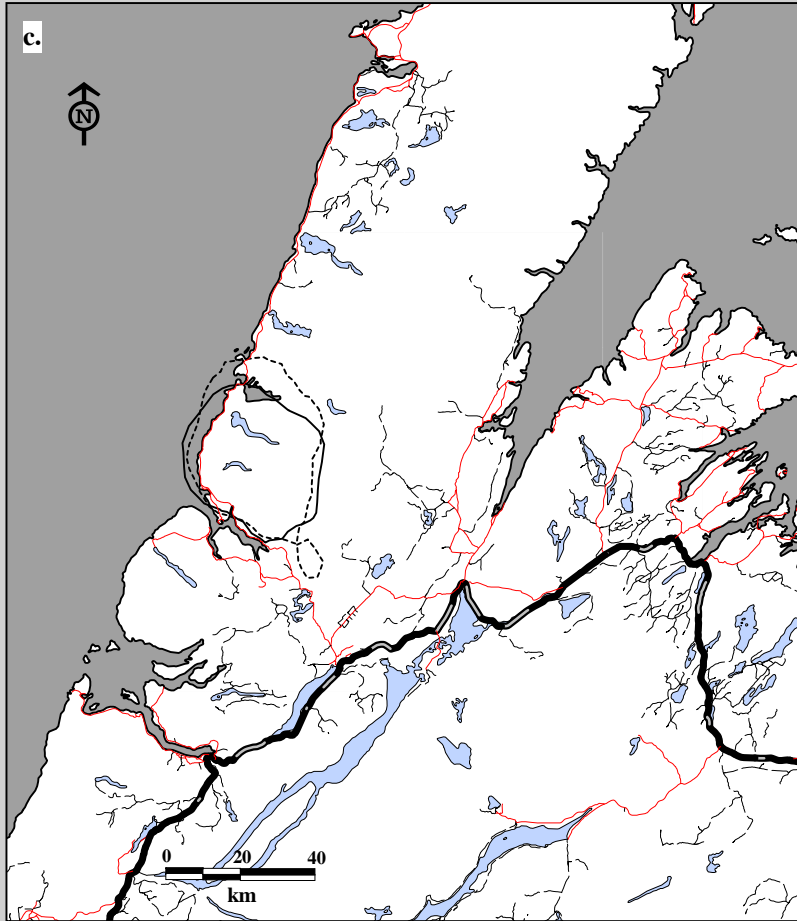
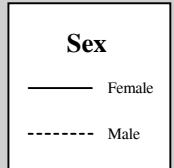


Fig. 8C-8. Gros Morne Caribou Herd radio telemetry locations by sex, ages combined May 1, 1995 to April 30, 1996.  
 c. Home ranges using 75% harmonic mean    d. Home ranges using 95% minimum convex polygon.





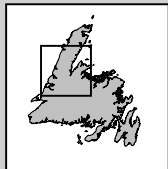
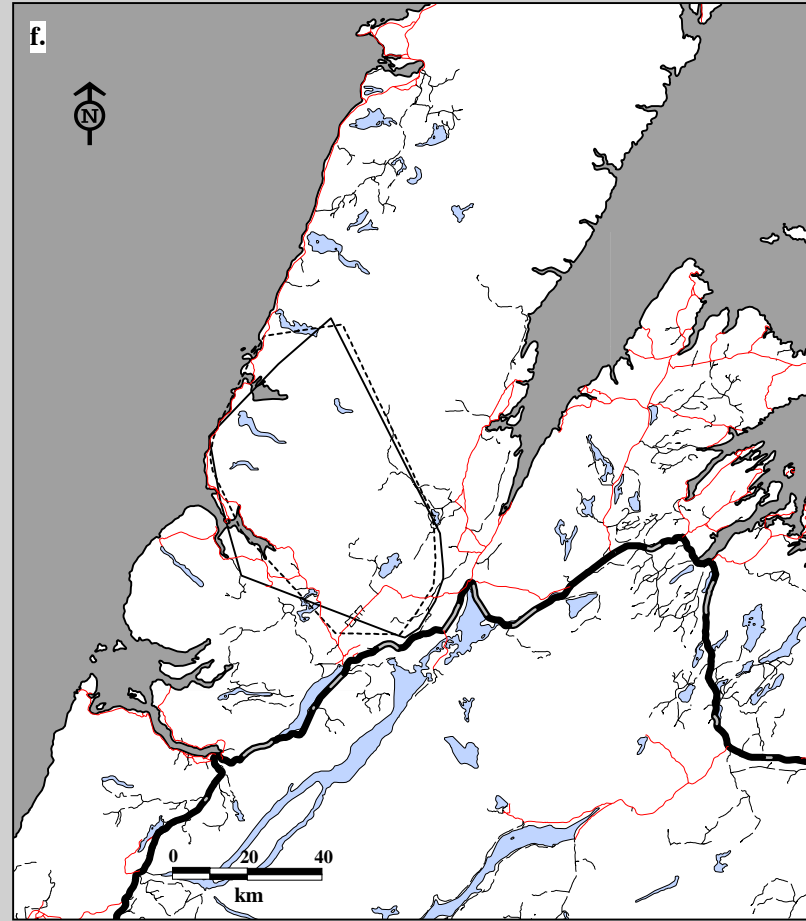
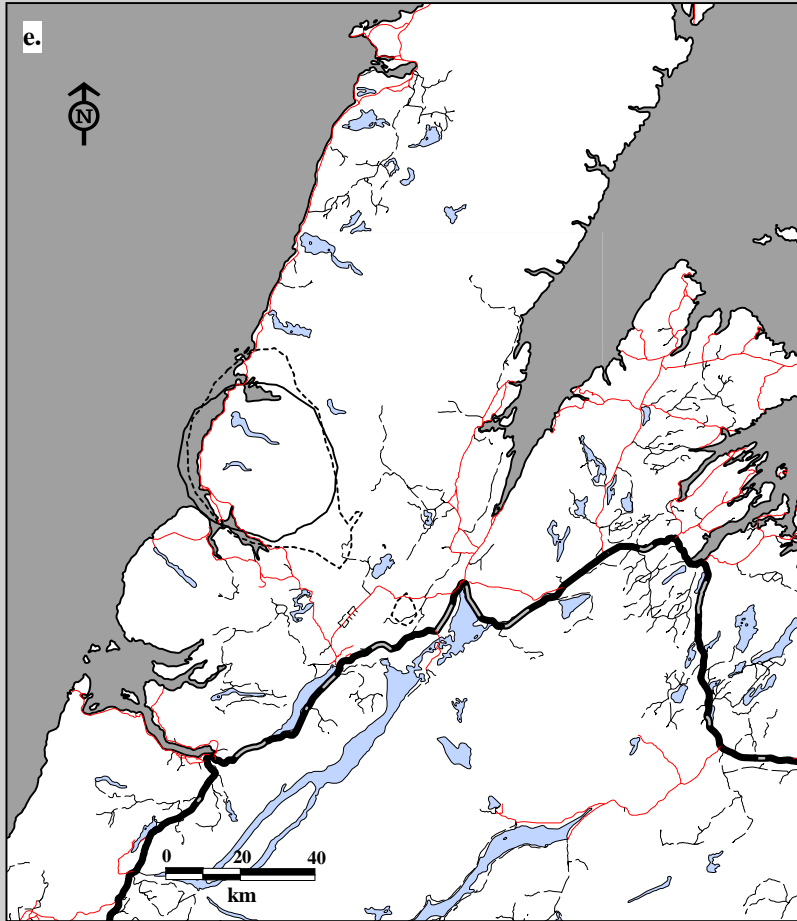
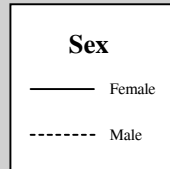


Fig. 8C-8. Gros Morne Caribou Herd radio telemetry locations by sex, ages combined May 1, 1996 to April 30, 1997.  
 e. Home ranges using 75% harmonic mean    f. Home ranges using 95% minimum convex polygon.



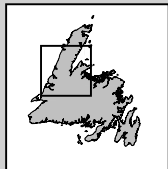
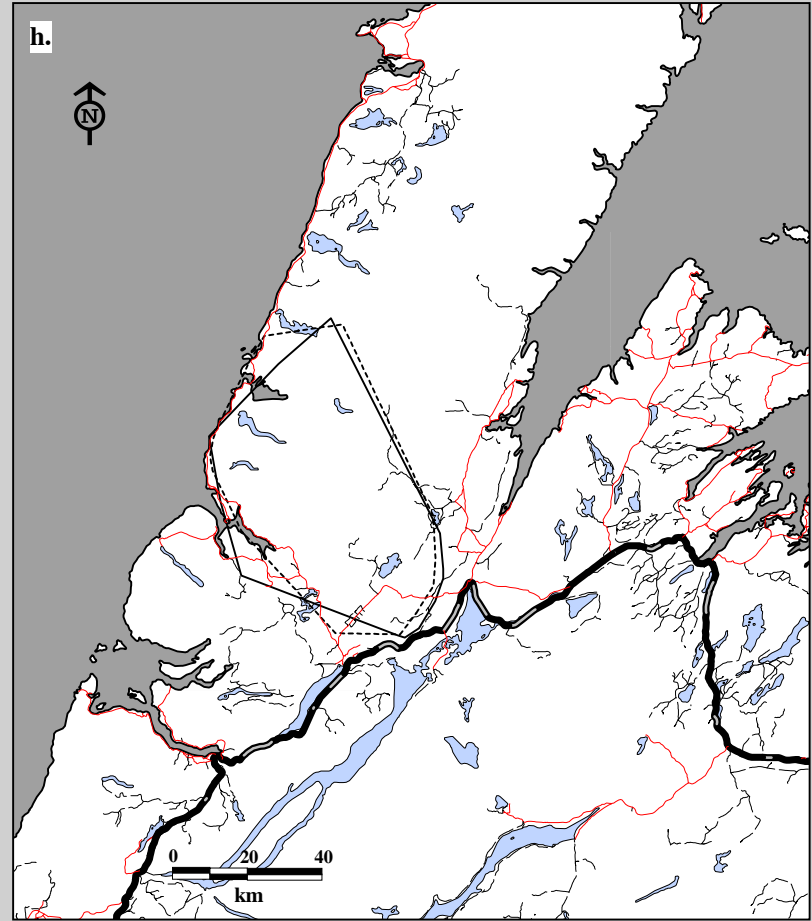
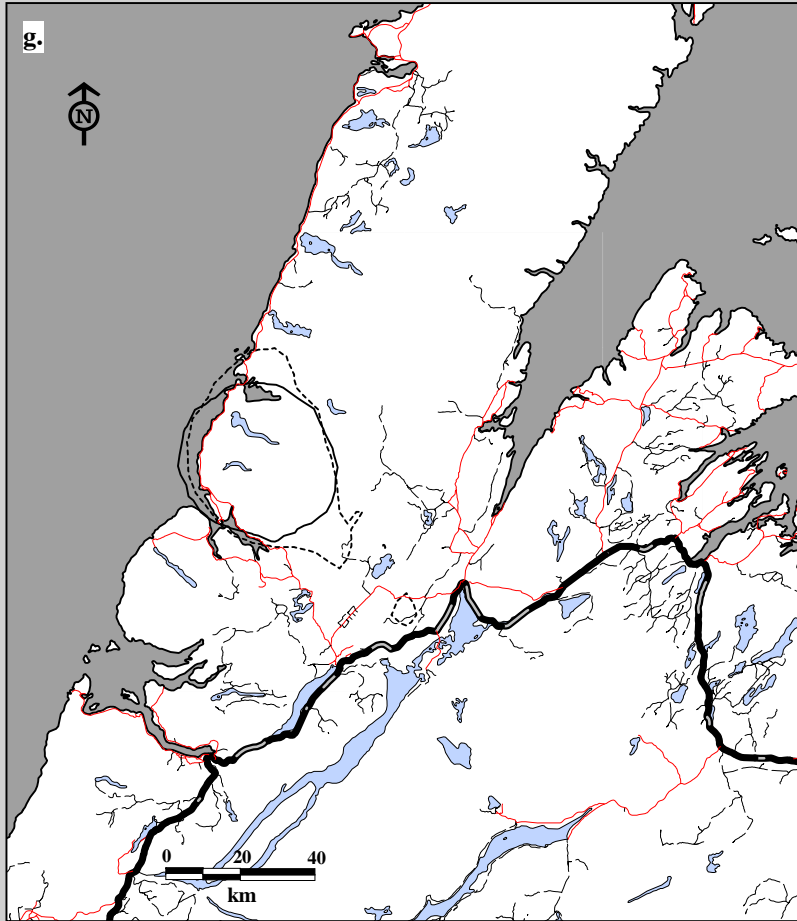
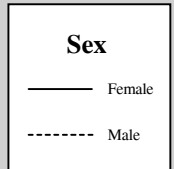


Fig. 8C-8. Gros Morne Caribou Herd radio telemetry locations by sex, ages combined May 1, 1997 to Nov. 27, 1997.  
 g. Home ranges using 75% harmonic mean    h. Home ranges using 95% minimum convex polygon.



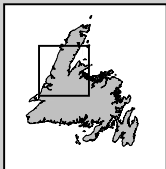
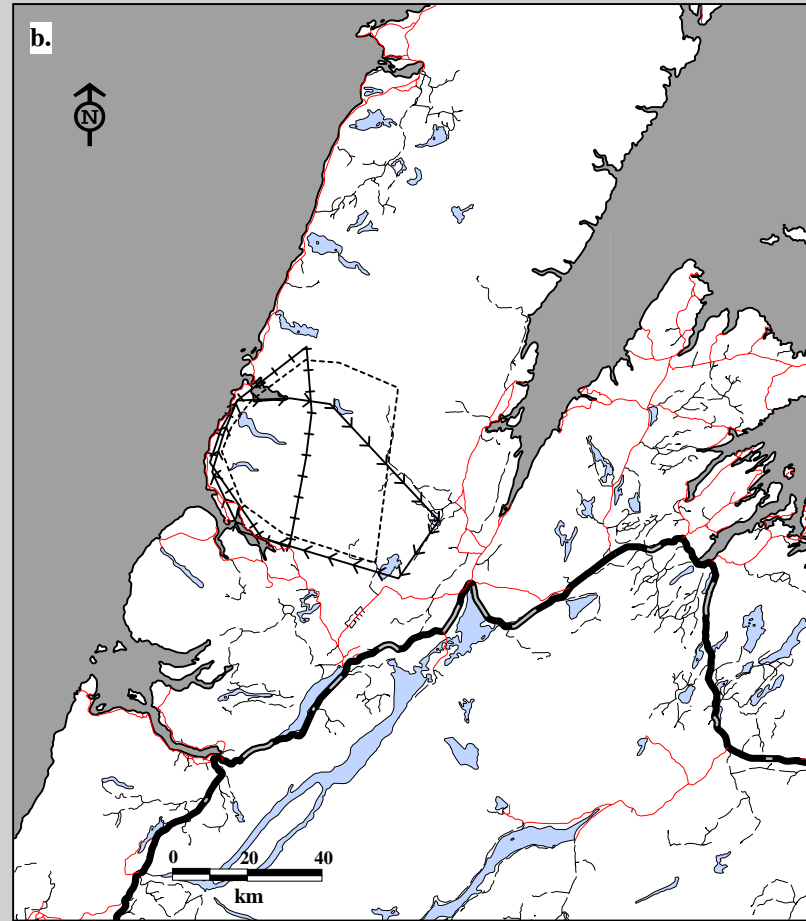
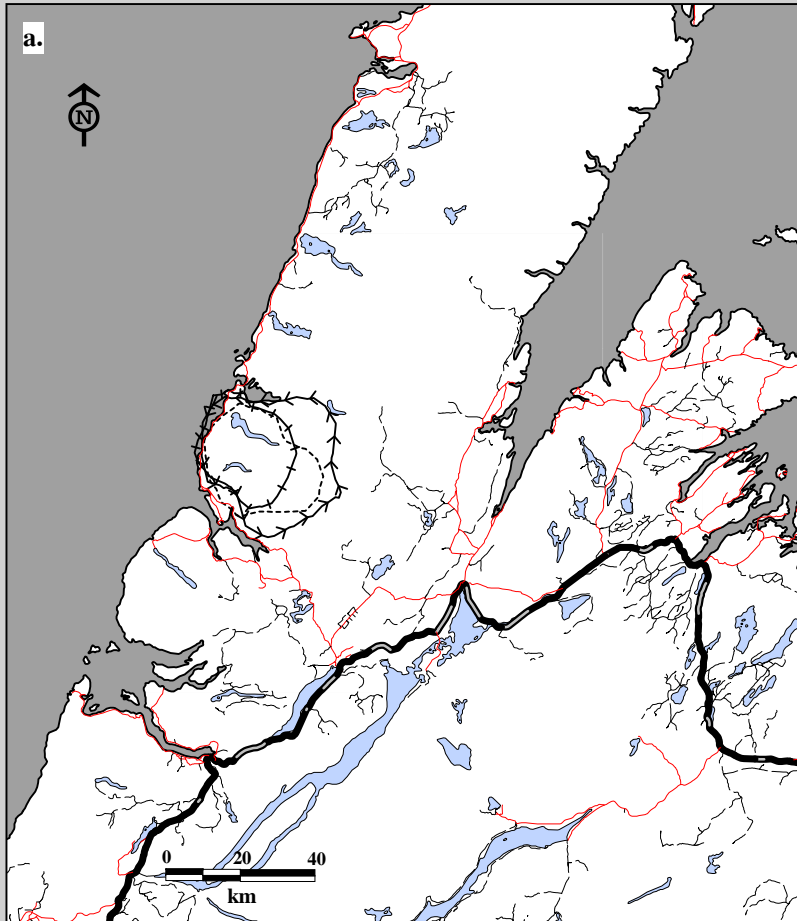


Fig. 8C-9. Gros Morne Caribou Herd radio telemetry locations by age, both sexes May 1, 1994 to April 30, 1995.  
 a. Home ranges using 75% harmonic mean    b. Home ranges using 95% minimum convex polygon.

**Age**

+++ Calves

◀◀◀ Yearlings

----- Adults (3+)

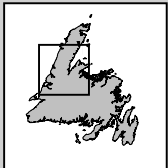
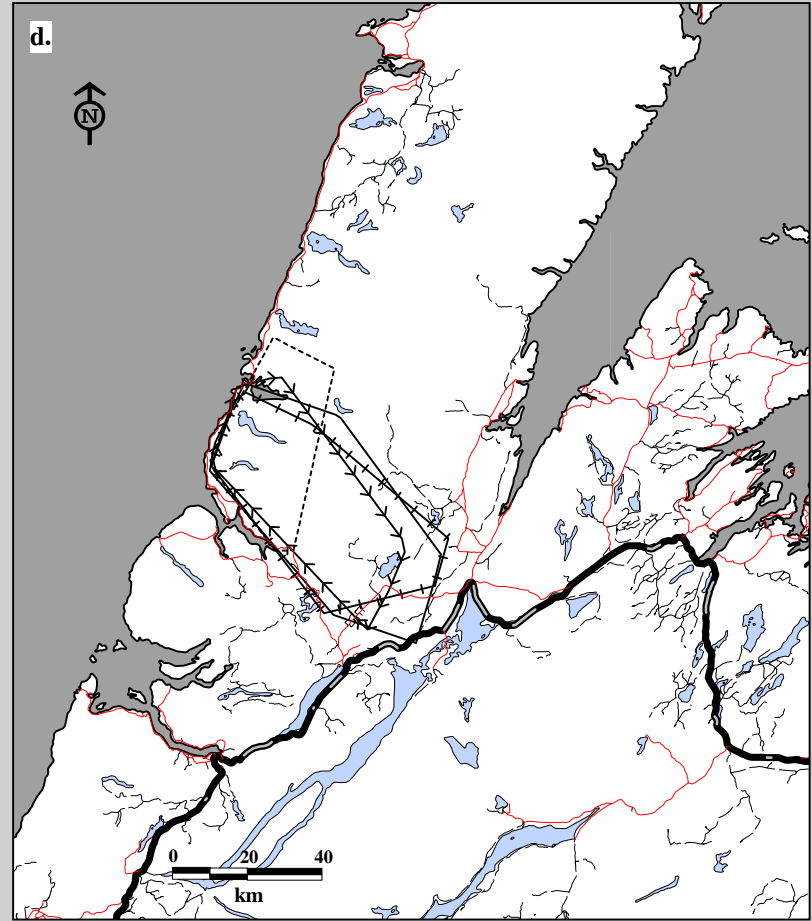
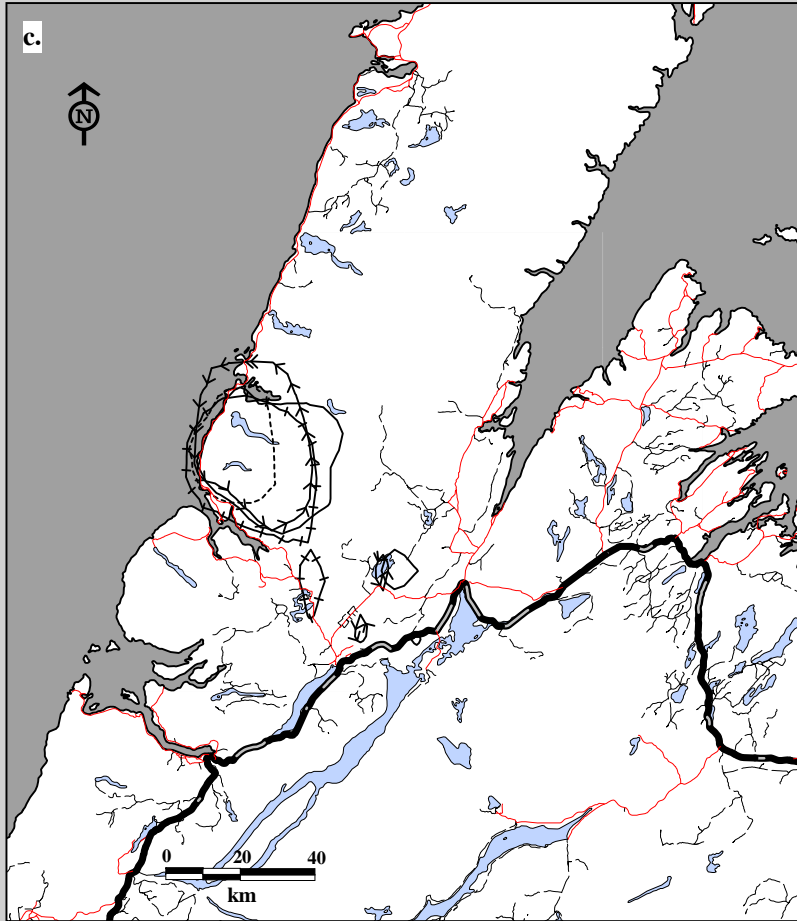
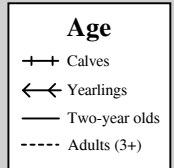


Fig. 8C-9. Gros Morne Caribou Herd radio telemetry locations by age, both sexes May 1, 1995 to April 30, 1996.  
 c. Home ranges using 75% harmonic mean    d. Home ranges using 95% minimum convex polygon.



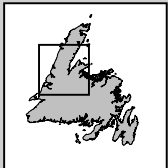
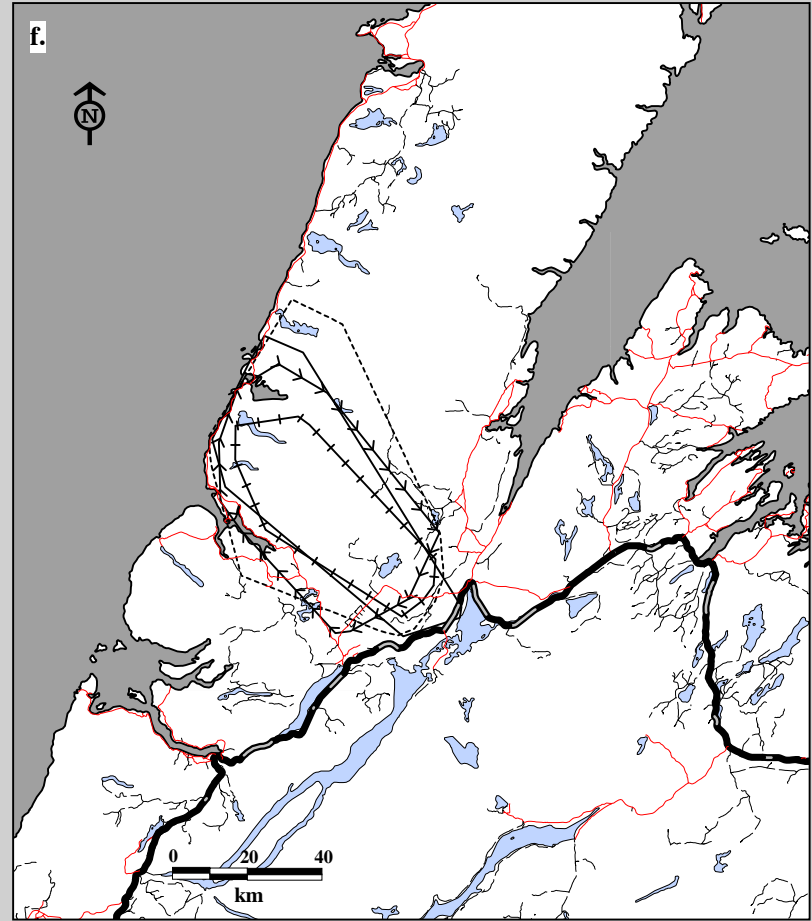
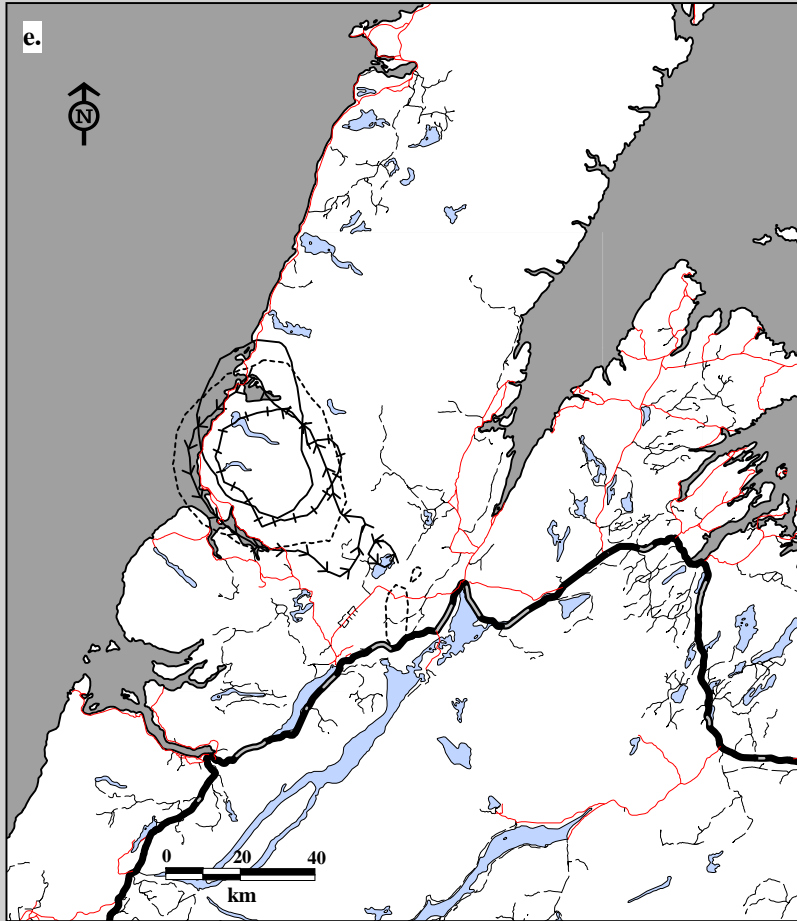
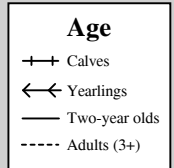


Fig. 8C-9. Gros Morne Caribou Herd radio telemetry locations by age, both sexes May 1, 1996 to April 30, 1997.  
 e. Home ranges using 75% harmonic mean    f. Home ranges using 95% minimum convex polygon.



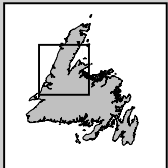
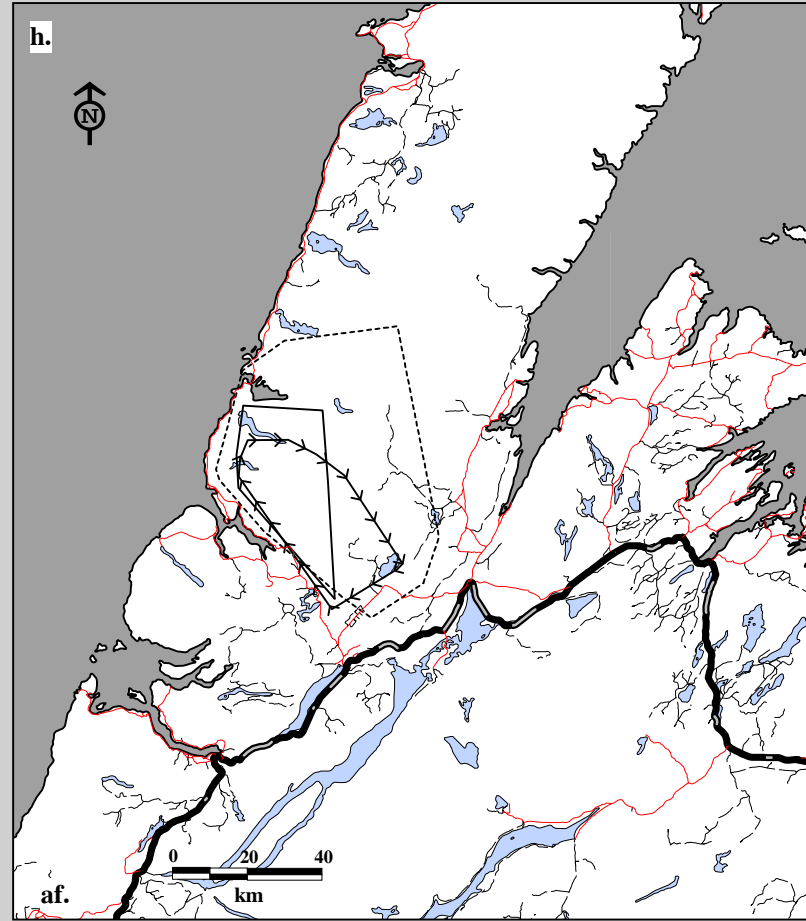
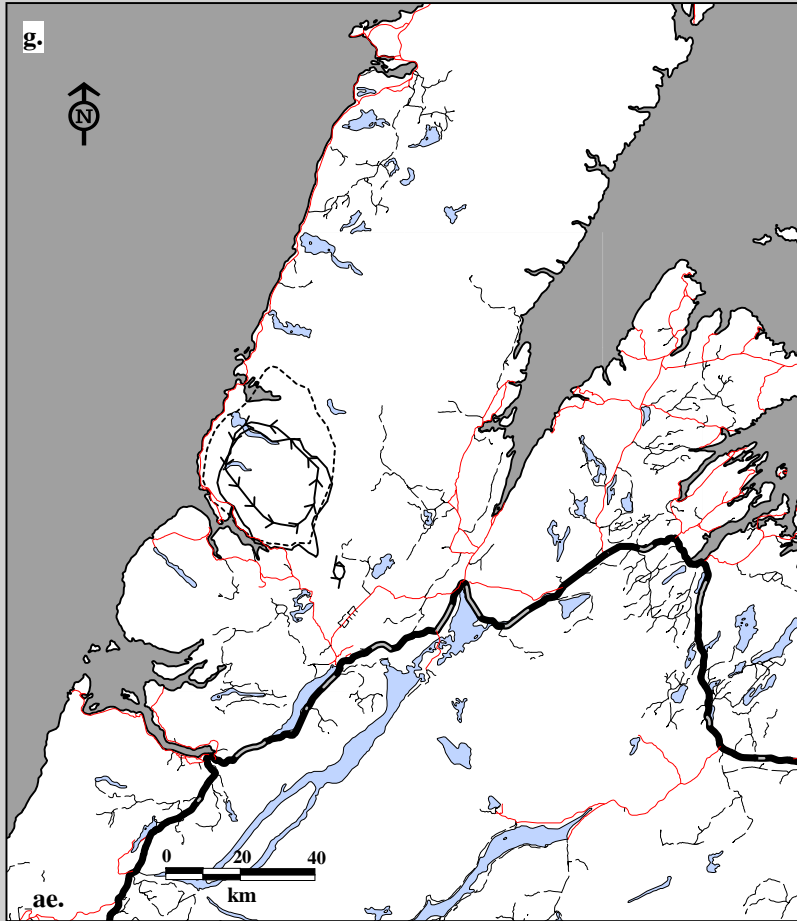
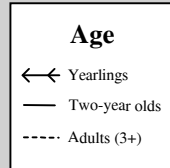


Fig. 8C-9. Gros Morne Caribou Herd radio telemetry locations by age, both sexes May 1, 1997 to Nov. 27, 1997.  
 g. Home ranges using 75% harmonic mean    h. Home ranges using 95% minimum convex polygon.



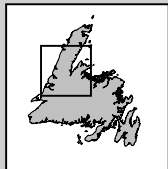
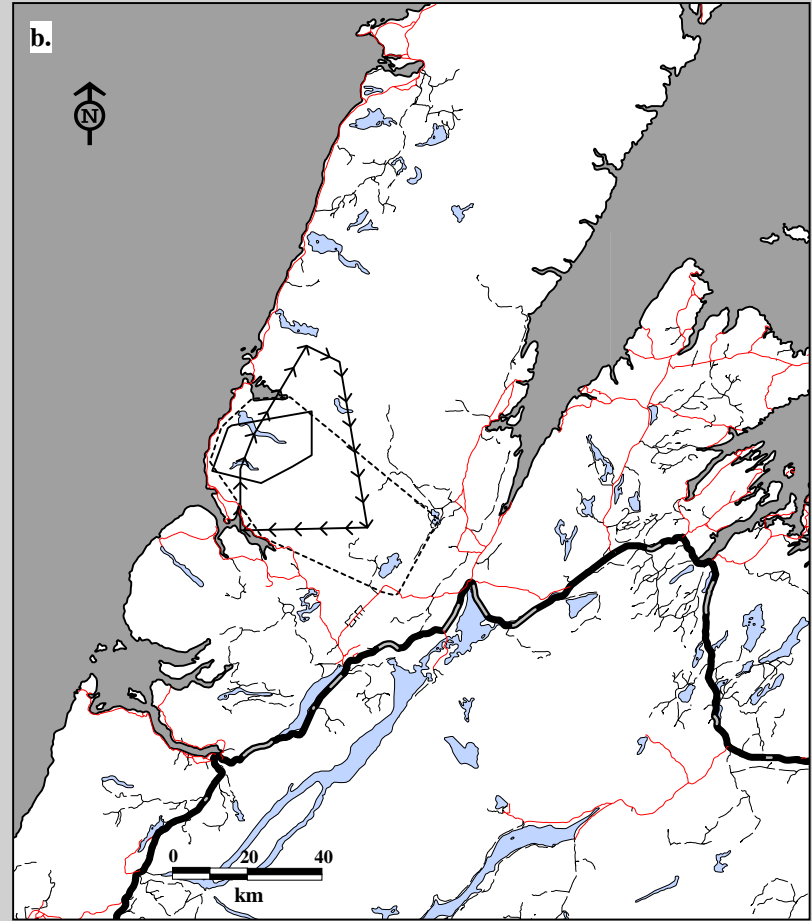
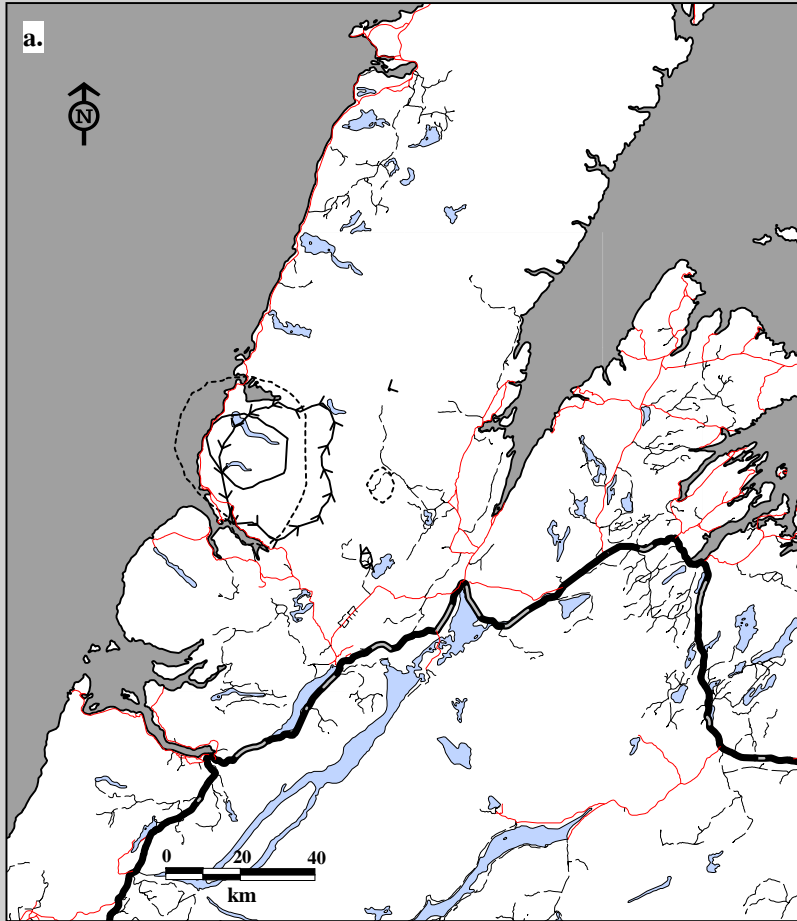
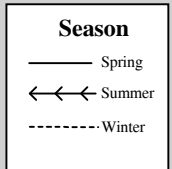


Fig. 8C-10. Gros Morne Caribou Herd radio telemetry locations for all cohorts May 1, 1994 to April 30, 1995.  
 a. Seasonal home ranges using 75% harmonic mean    b. Seasonal home ranges using 95% minimum convex polygon.





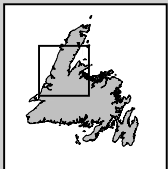
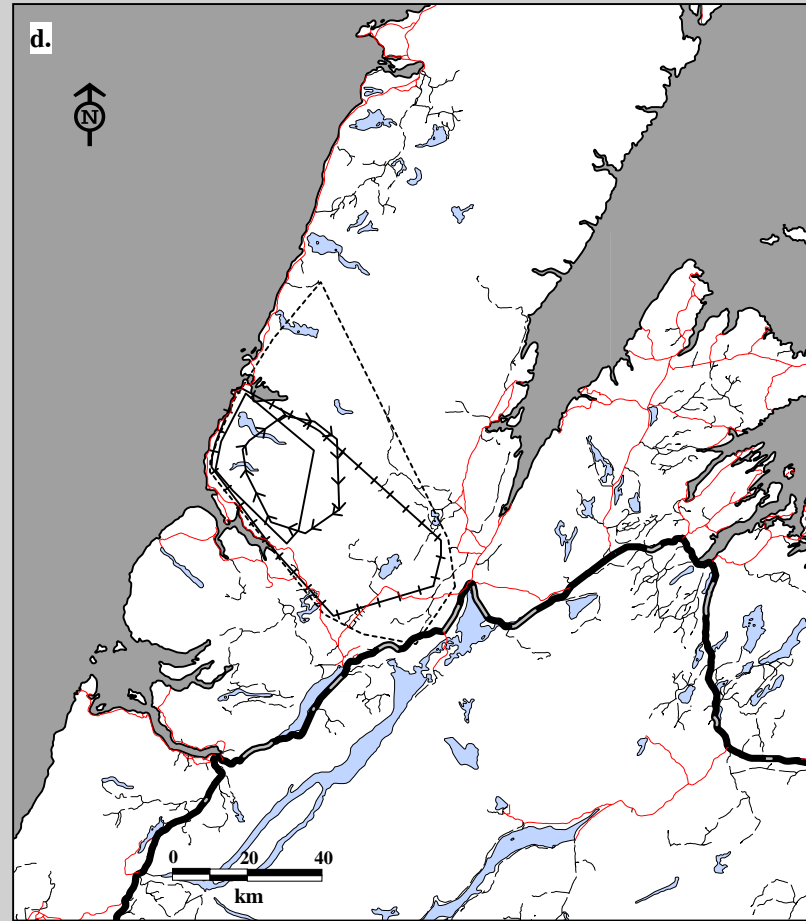
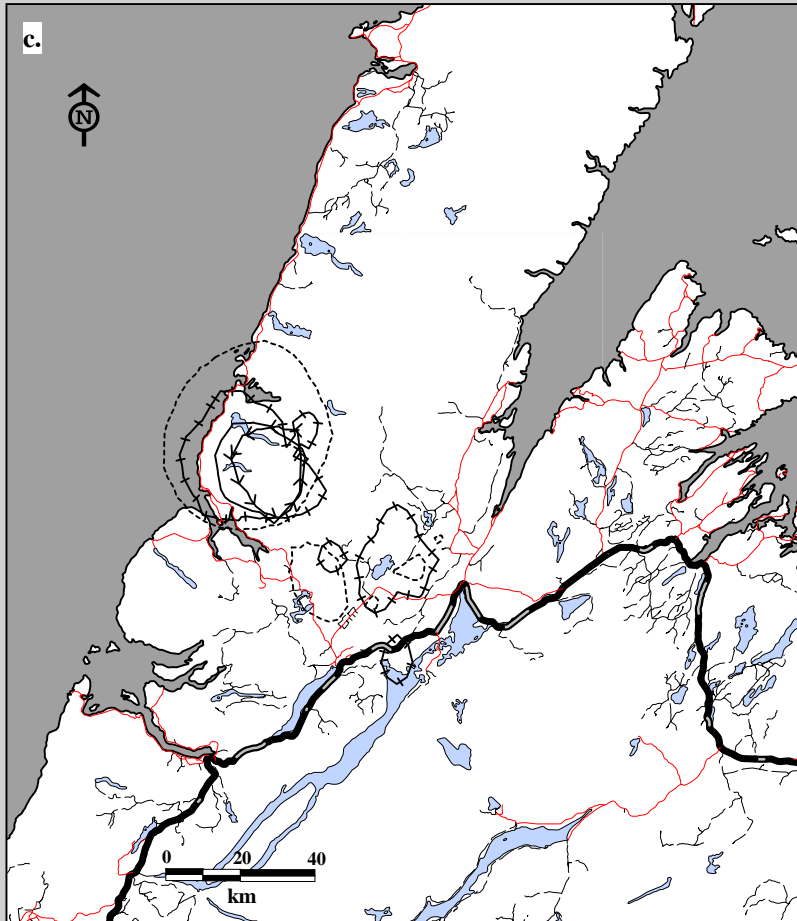
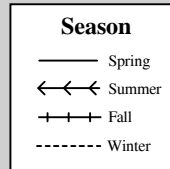


Fig. 8C-10. Gros Morne Caribou Herd radio telemetry locations for all cohorts May 1, 1995 to April 30, 1996.  
 c. Seasonal home ranges using 75% harmonic mean d. Seasonal home ranges using 95% minimum convex polygon.





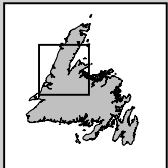
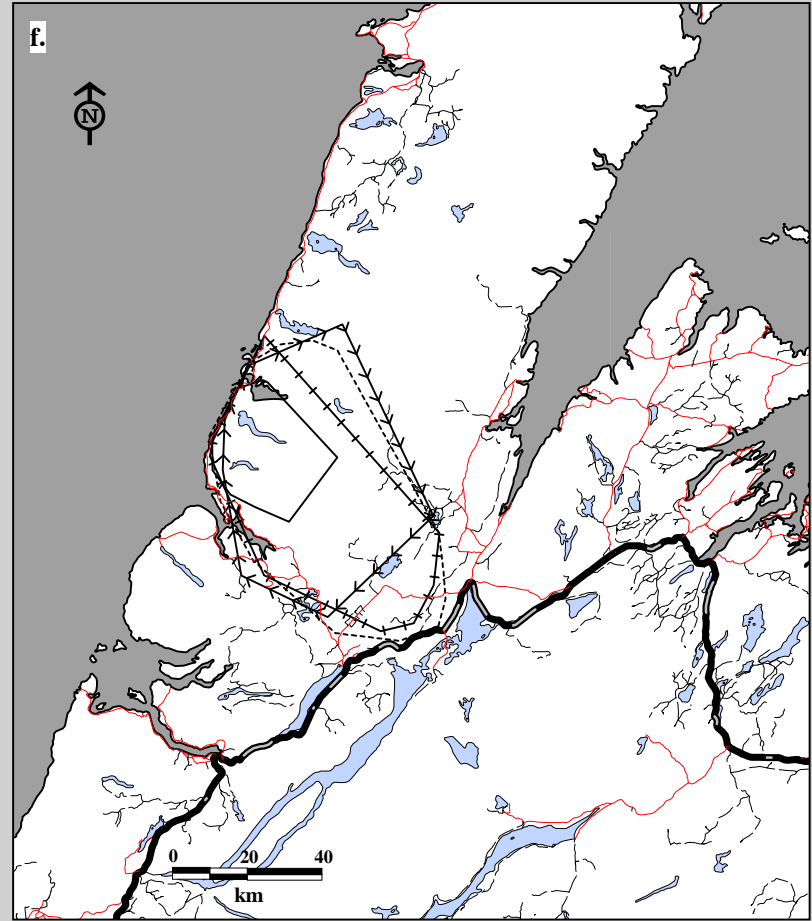
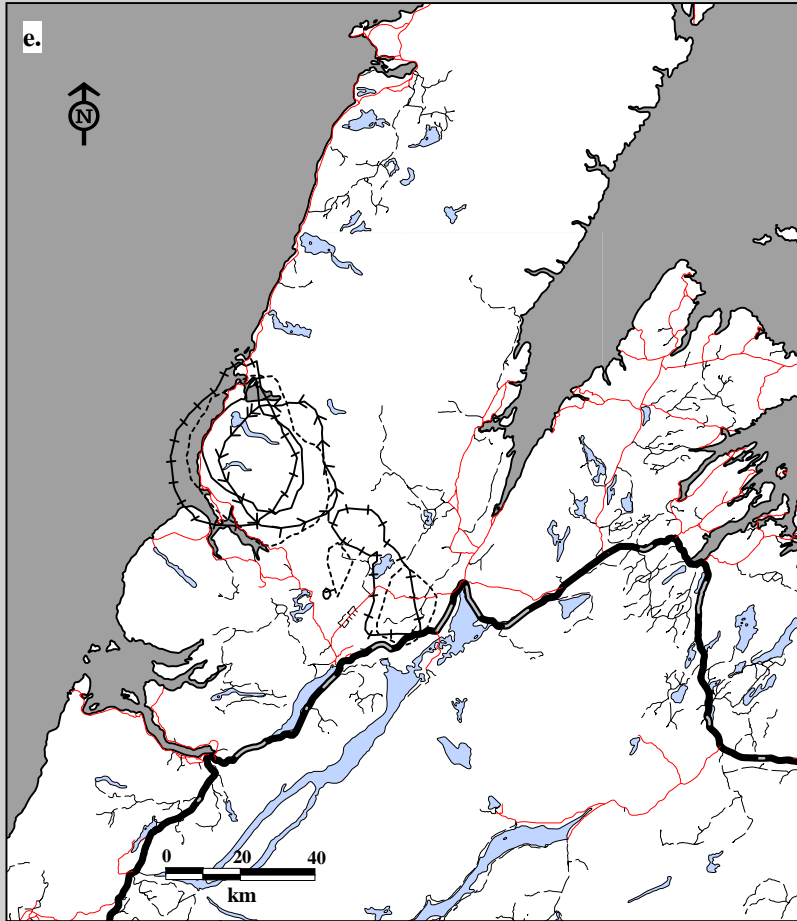
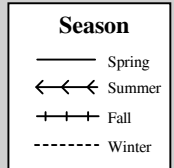


Fig. 8C-10. Gros Morne Caribou Herd radio telemetry locations for all cohorts May 1, 1996 to April 30, 1997.  
 e. Seasonal home ranges using 75% harmonic mean    f. Seasonal home ranges using 95% minimum convex polygon.



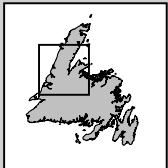
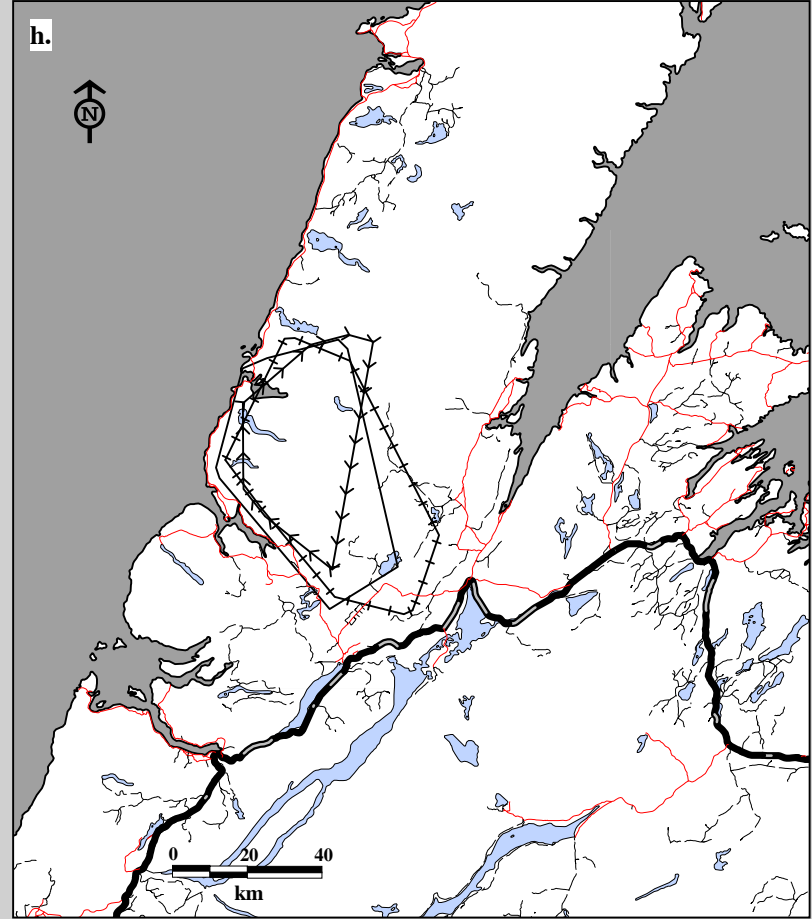
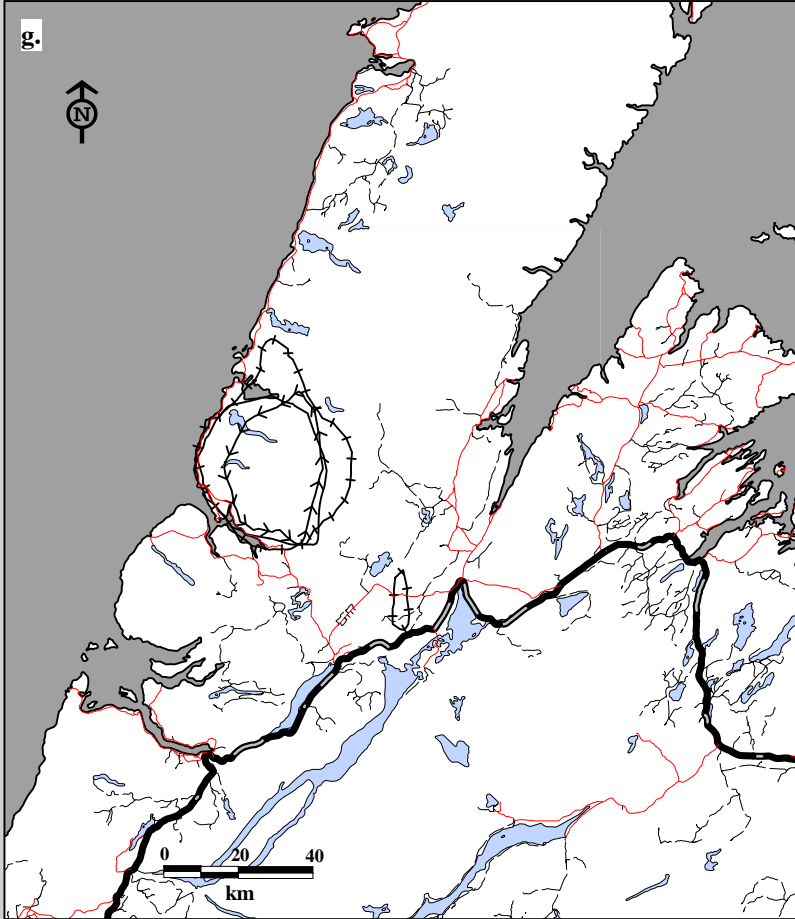


Fig. 8C-10. Gros Morne Caribou Herd radio telemetry locations for all cohorts May 1, 1997 to Nov. 27, 1997.  
 g. Seasonal home ranges using 75% harmonic mean    h. Seasonal home ranges using 95% minimum convex polygon.



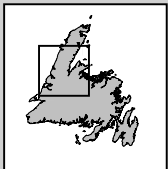
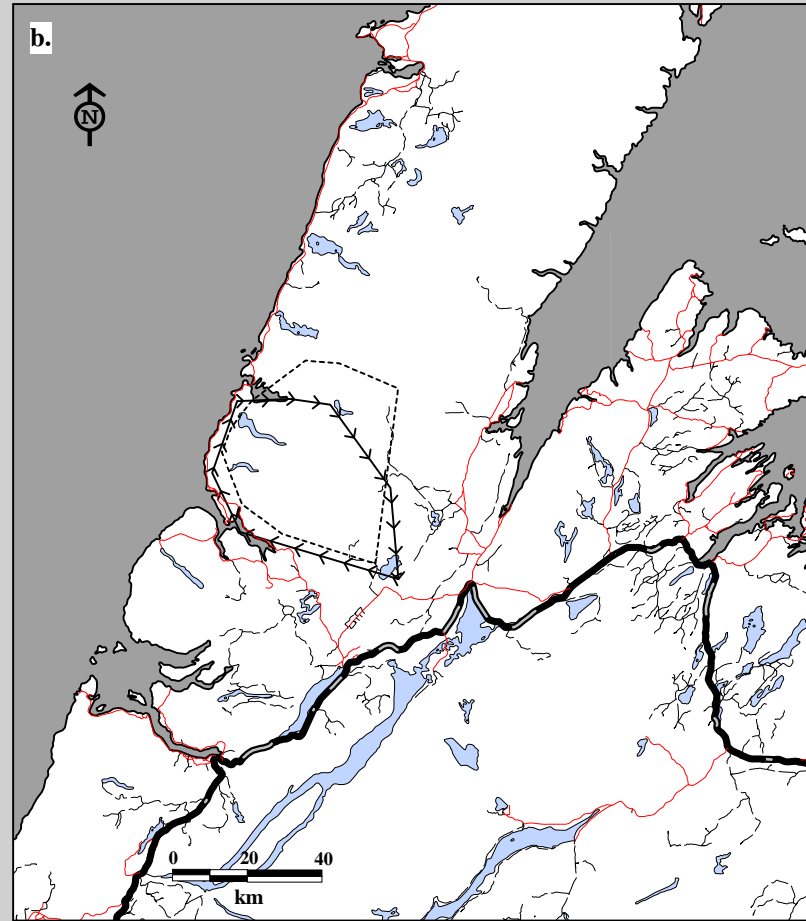
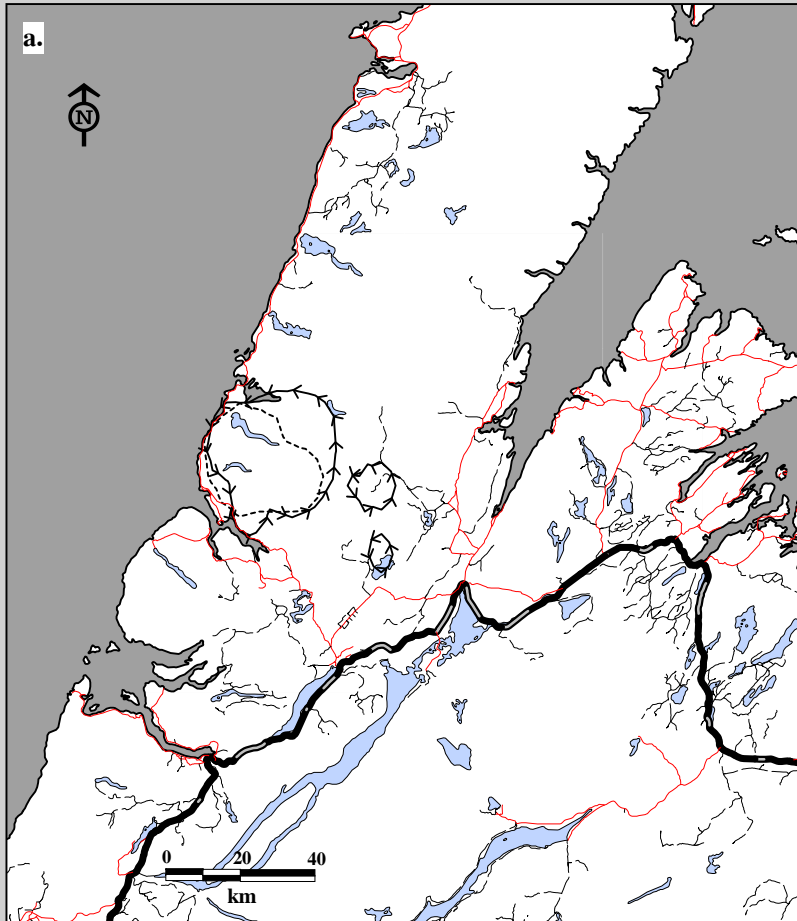
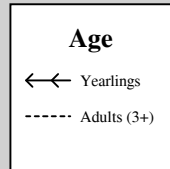


Fig. 8C-11. Gros Morne Caribou Herd radio telemetry locations by female, all ages May 1, 1994 to April 30, 1995.  
 a. Home ranges using 75% harmonic mean    b. Home ranges using 95% minimum convex polygon.



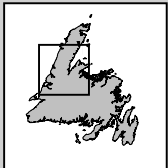
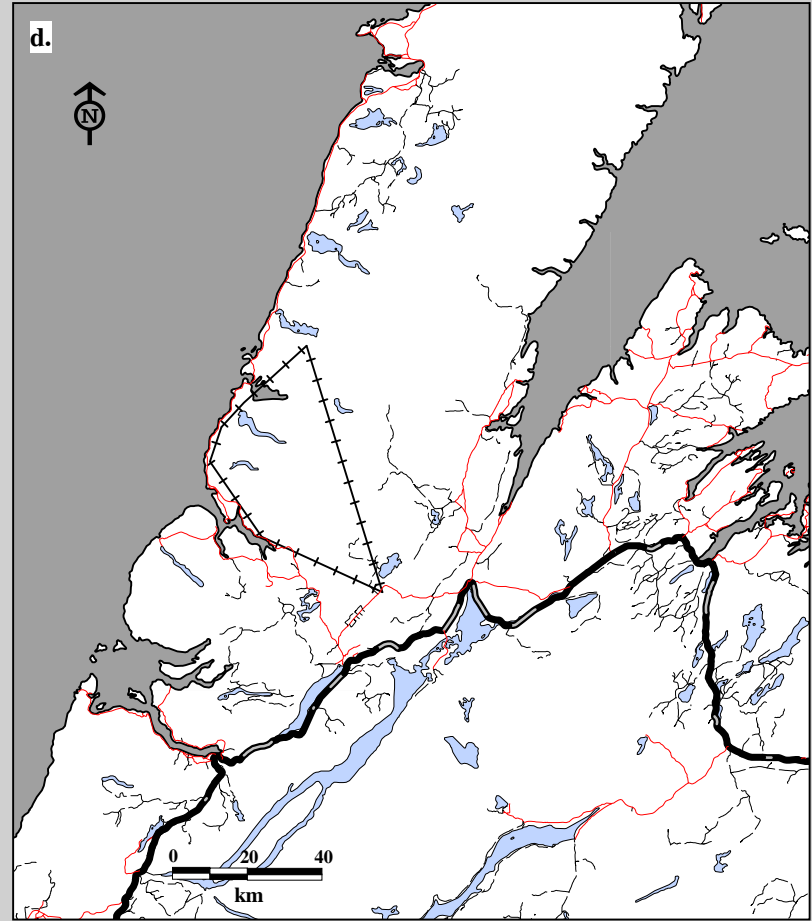
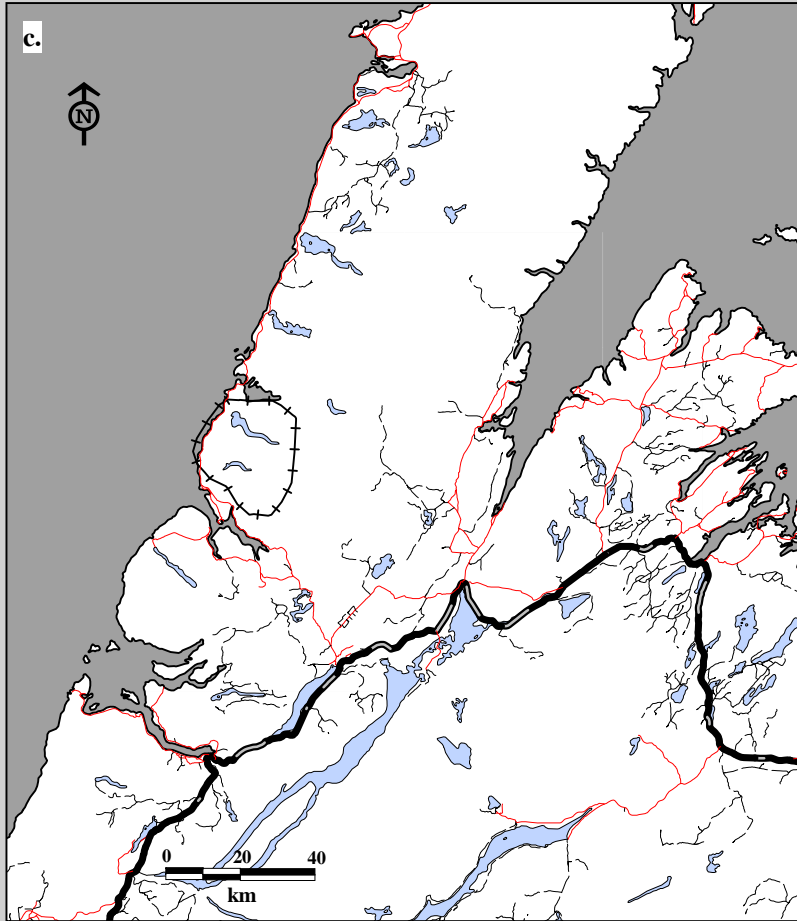
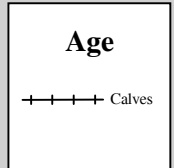


Fig. 8C-11. Gros Morne Caribou Herd radio telemetry locations by male, all ages May 1, 1994 to April 30, 1995.  
 c. Home ranges using 75% harmonic mean    d. Home ranges using 95% minimum convex polygon.



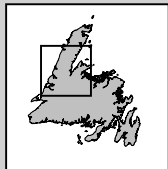
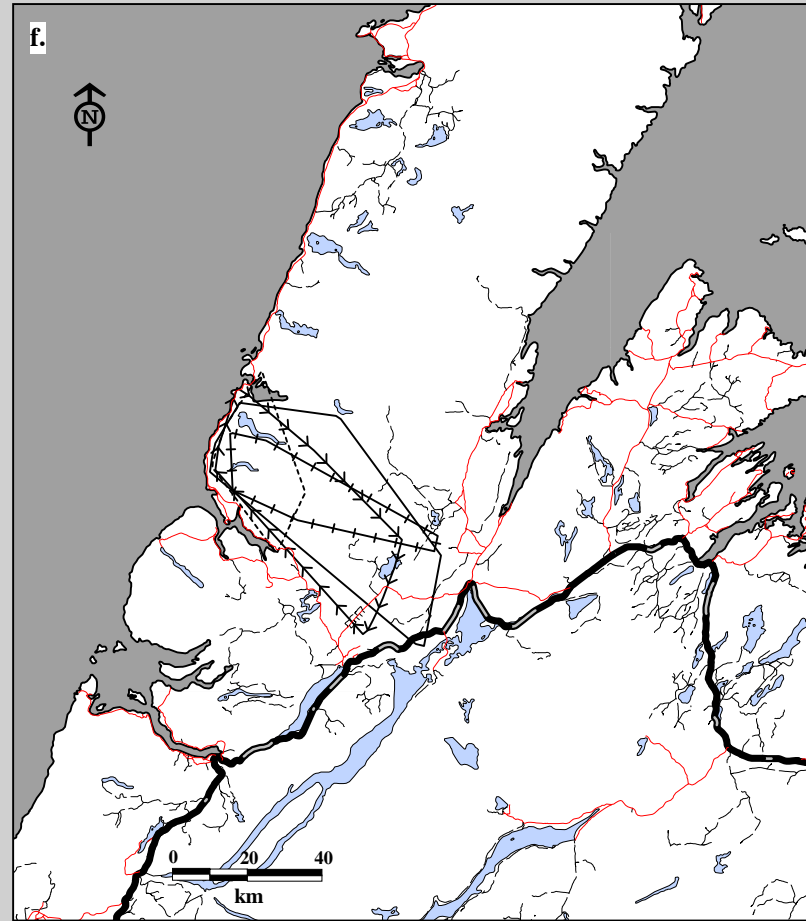
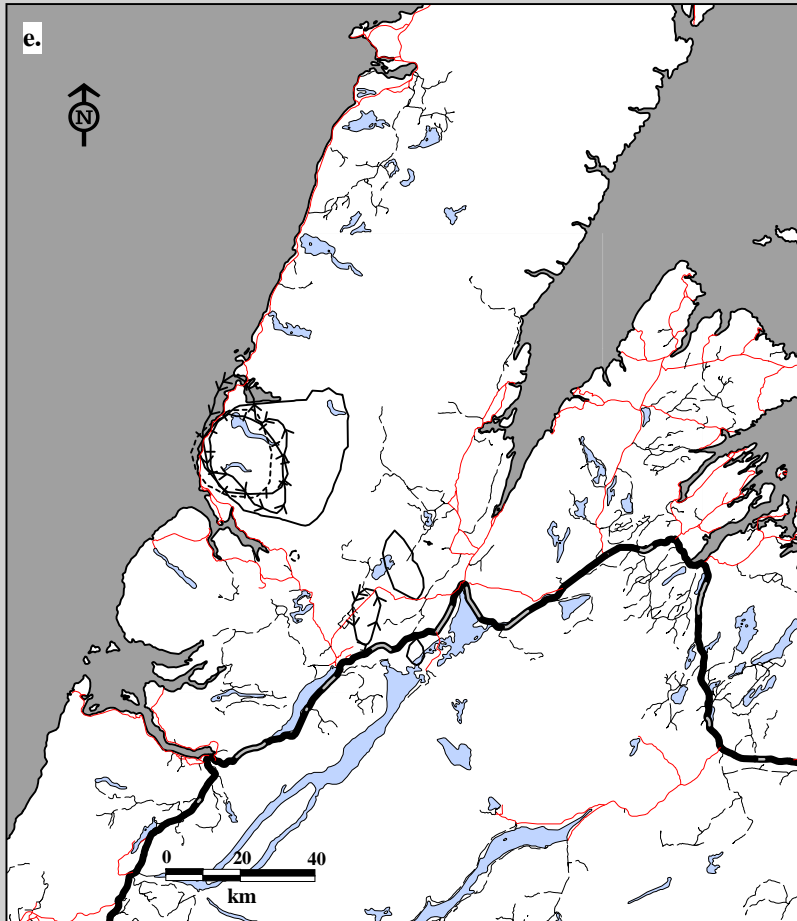
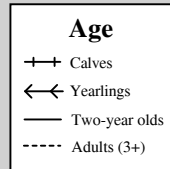


Fig. 8C-11. Gros Morne Caribou Herd radio telemetry locations by female, all ages May 1, 1995 to April 30, 1996.  
 e. Home ranges using 75% harmonic mean    f. Home ranges using 95% minimum convex polygon.



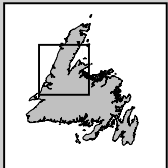
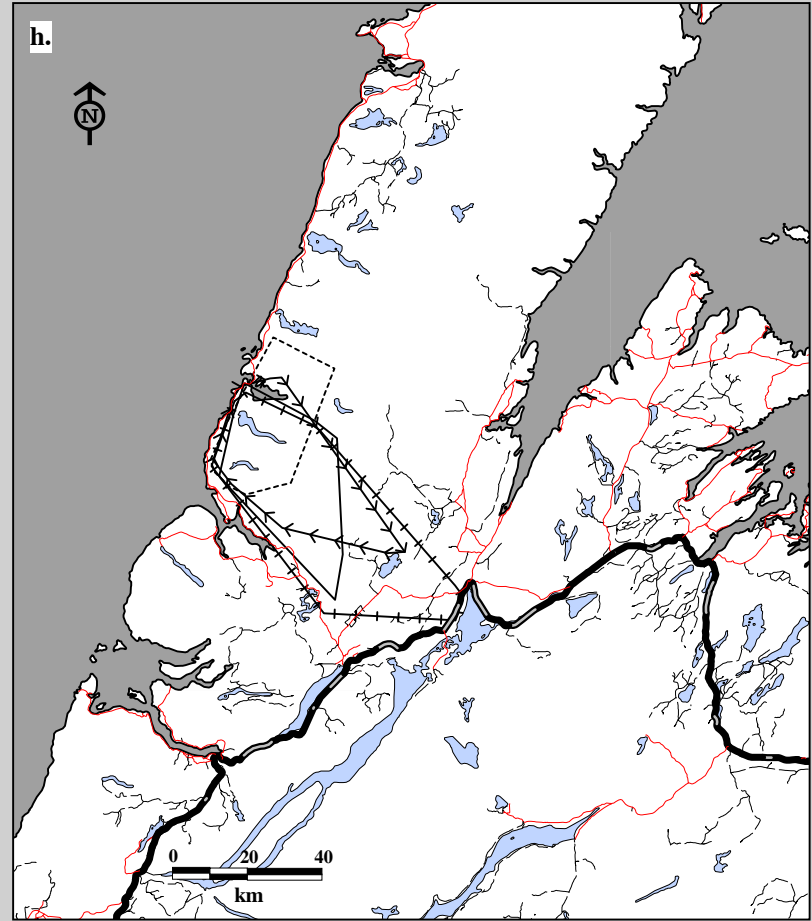
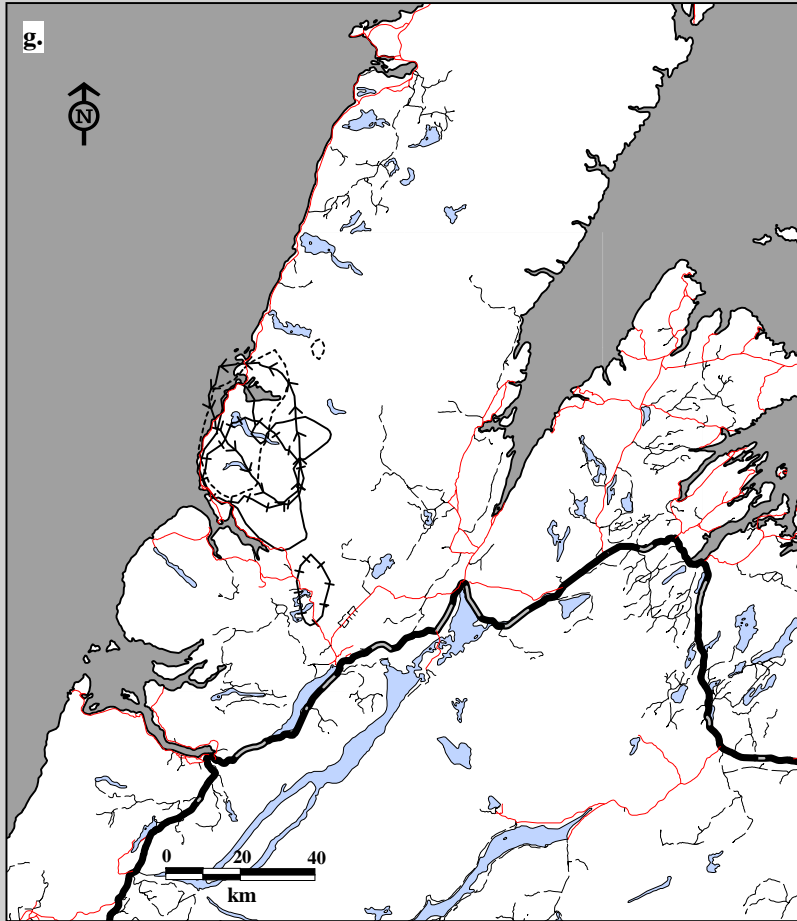
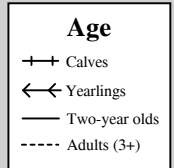


Fig. 8C-11. Gros Morne Caribou Herd radio telemetry locations by male, all ages May 1, 1995 to April 30, 1996.  
 g. Home ranges using 75% harmonic mean    h. Home ranges using 95% minimum convex polygon.



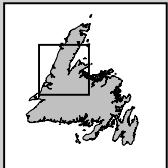
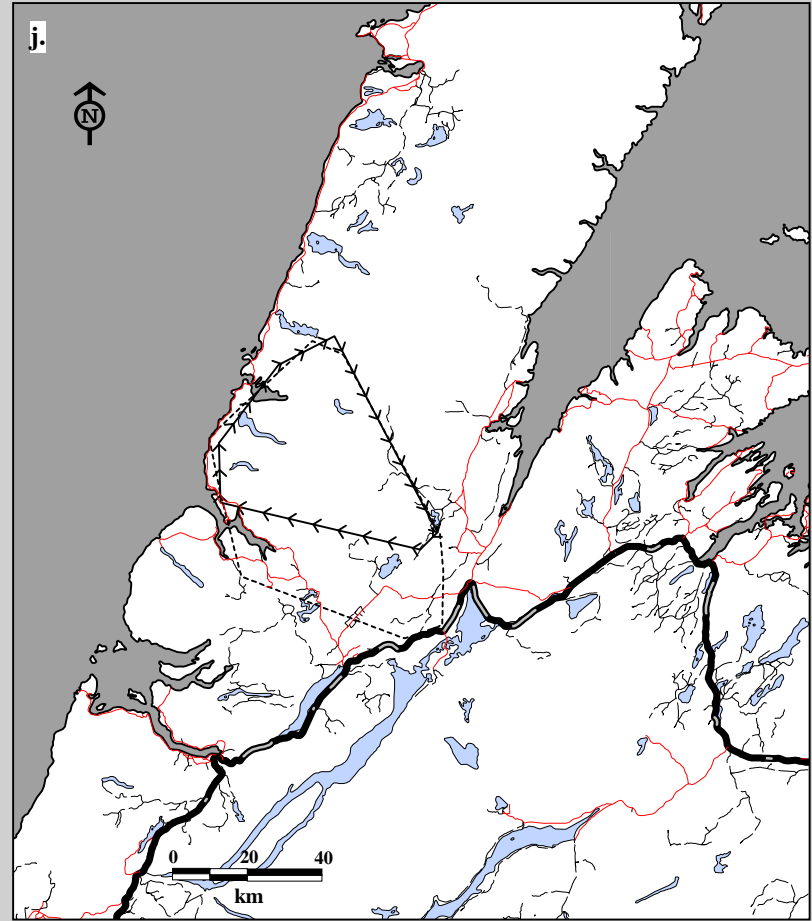
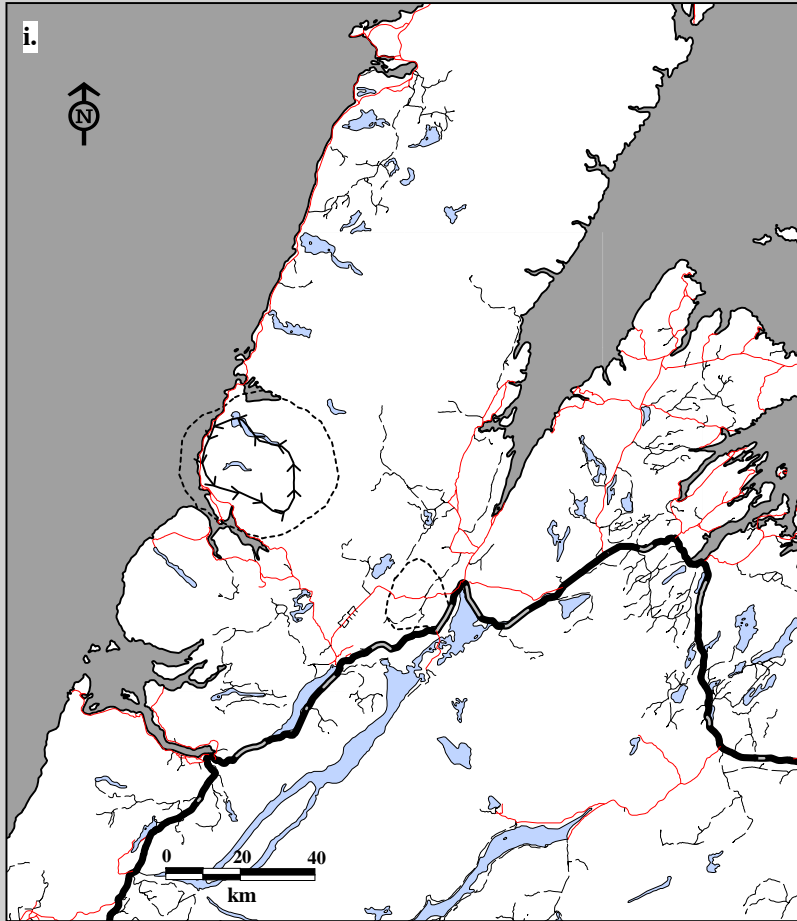
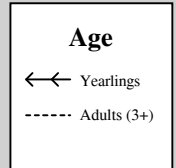


Fig. 8C-11. Gros Morne Caribou Herd radio telemetry locations by female, all ages May 1, 1996 to April 30, 1997.  
 i. Home ranges using 75% harmonic mean    j. Home ranges using 95% minimum convex polygon.





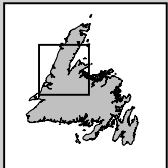
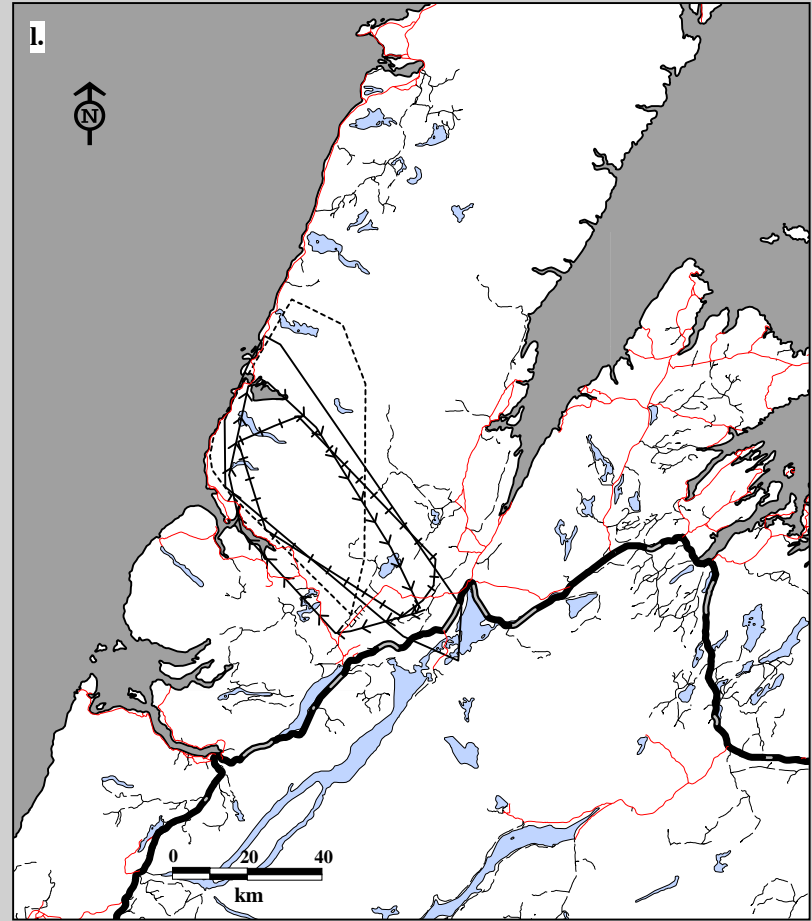
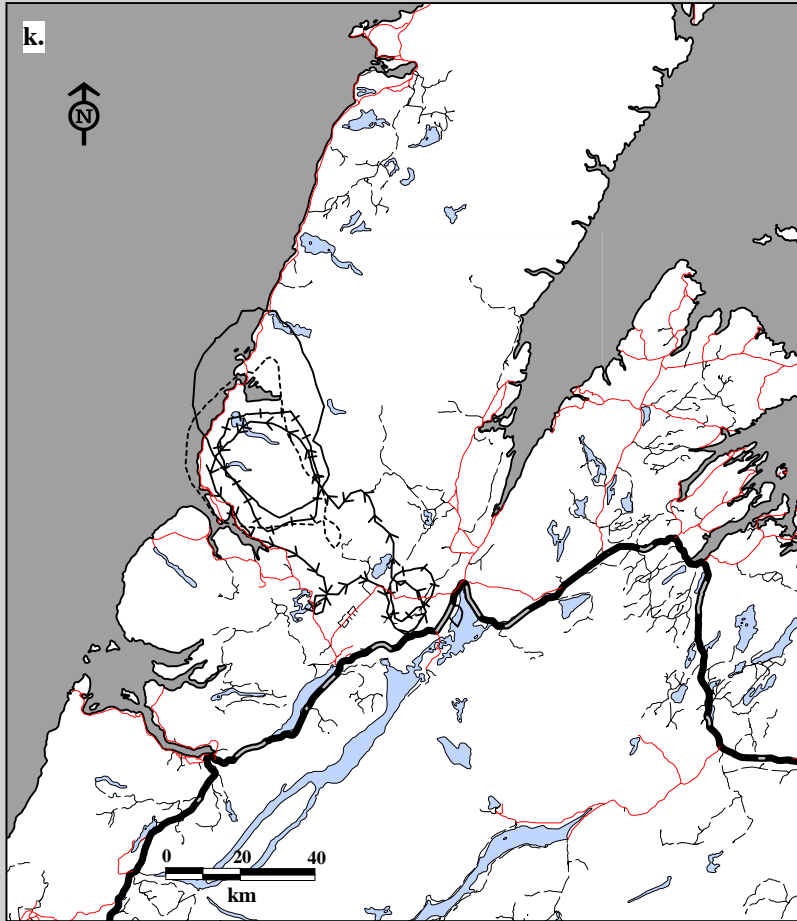
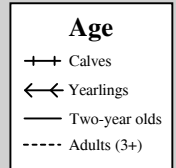


Fig. 8C-11. Gros Morne Caribou Herd radio telemetry locations by male, all ages May 1, 1996 to April 30, 1997.  
 k. Home ranges using 75% harmonic mean    l. Home ranges using 95% minimum convex polygon.





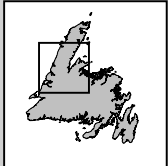
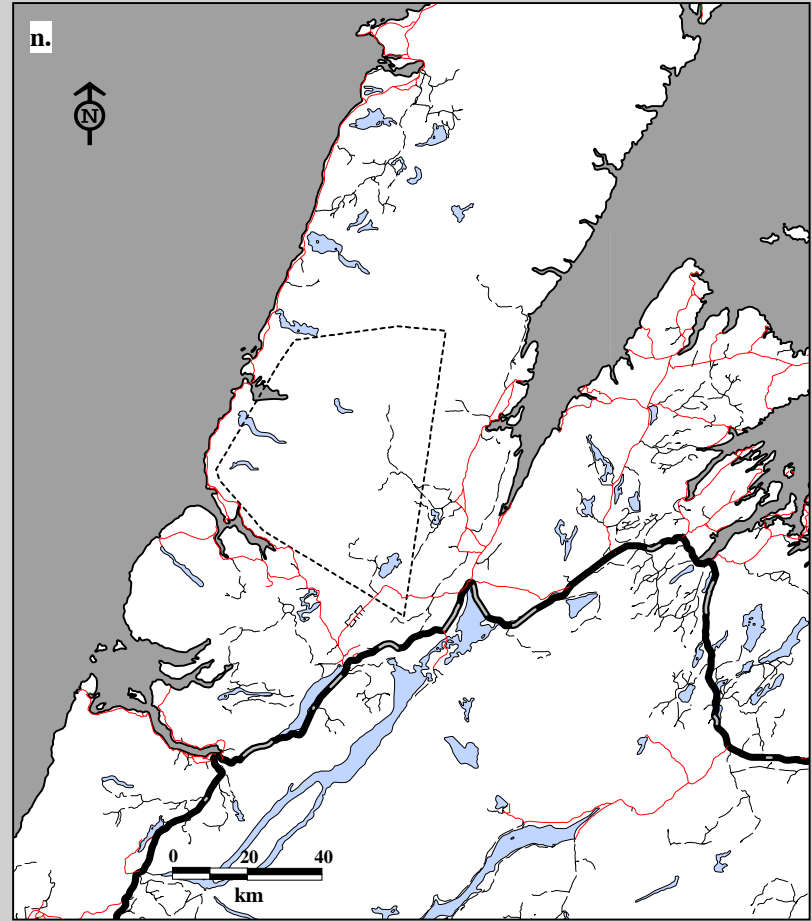
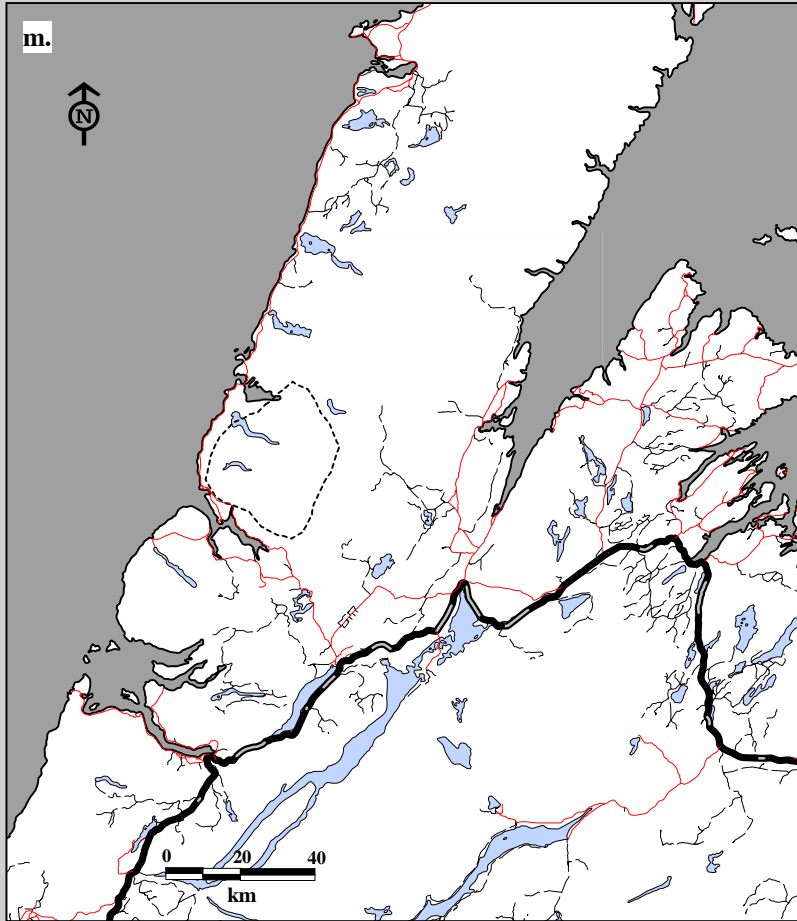
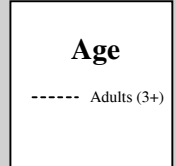


Fig. 8C-11. Gros Morne Caribou Herd radio telemetry locations by female, all ages May 1, 1997 to Nov. 27, 1997.  
 m. Home ranges using 75% harmonic mean    n. Home ranges using 95% minimum convex polygon.



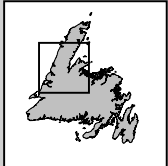
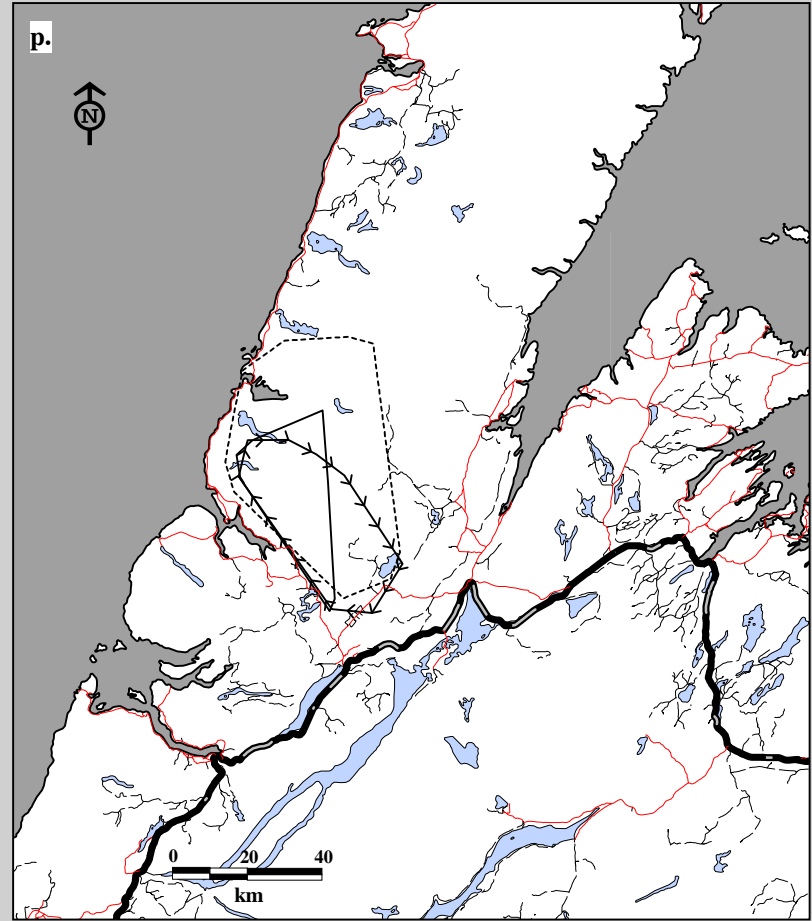
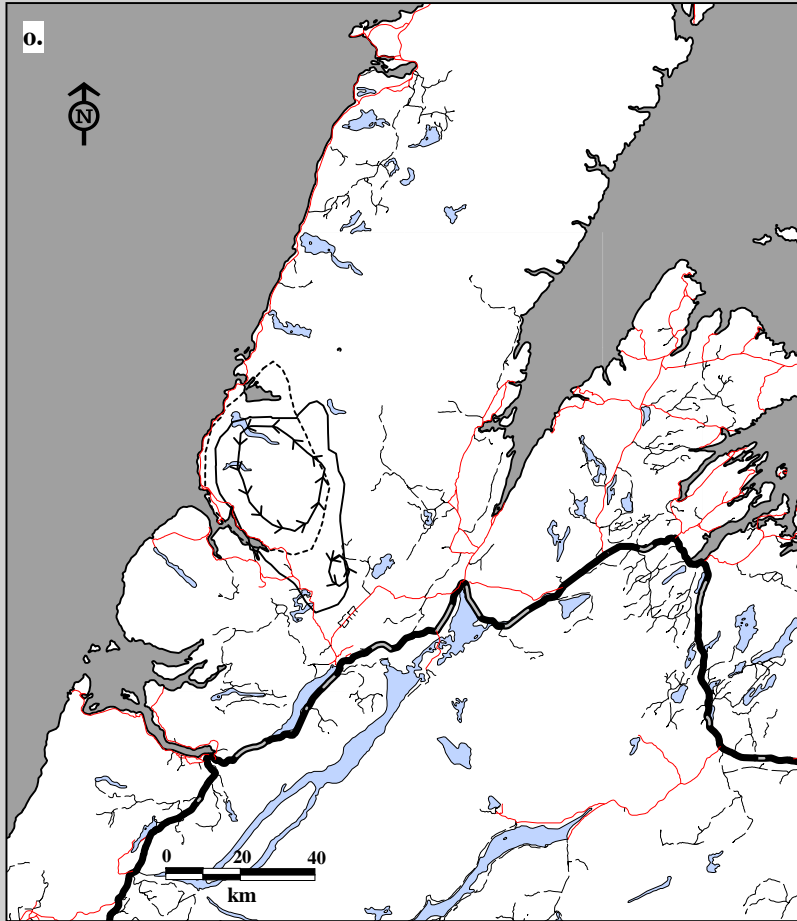
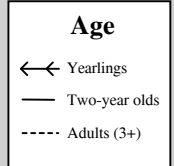


Fig. 8C-11. Gros Morne Caribou Herd radio telemetry locations by male, all ages May 1, 1997 to Nov. 27, 1997.  
 o. Home ranges using 75% harmonic mean    p. Home ranges using 95% minimum convex polygon.



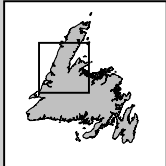
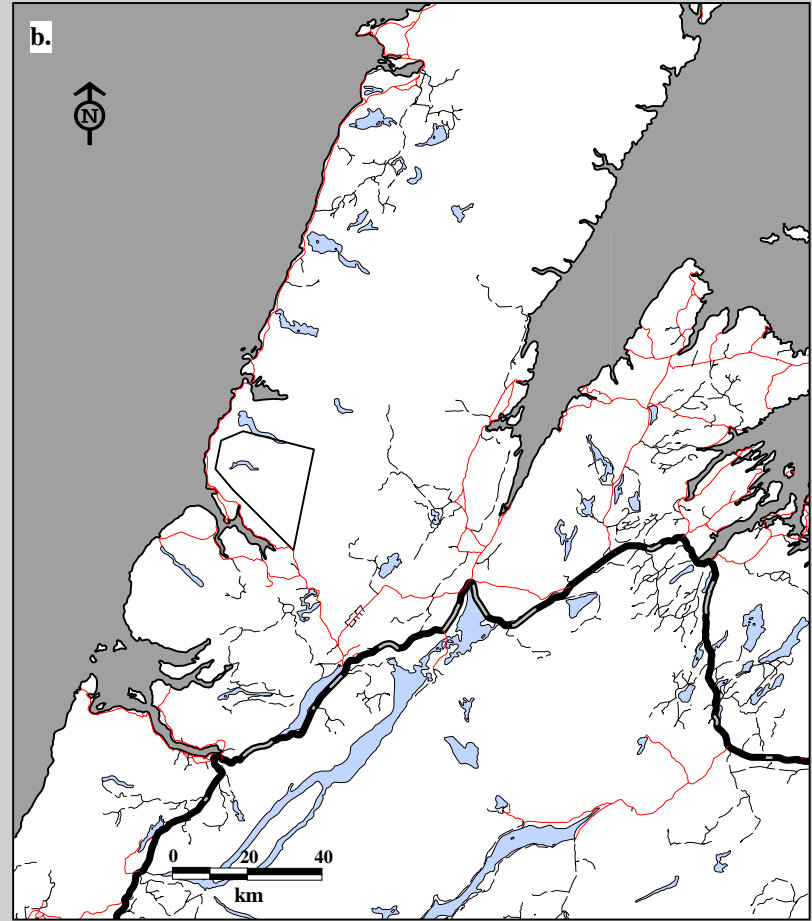
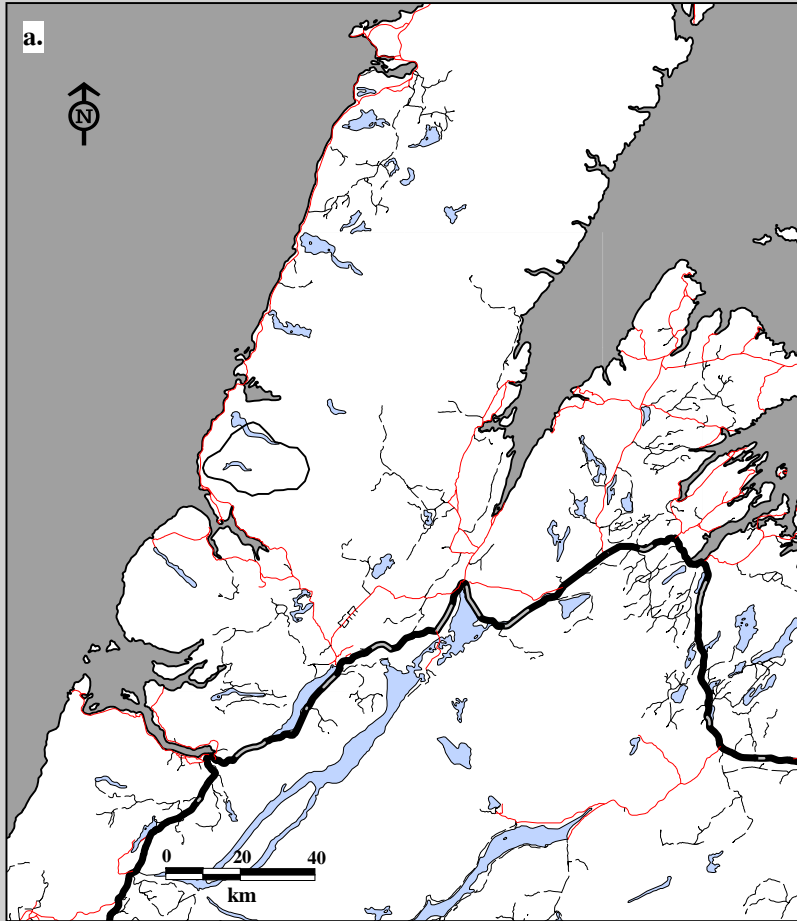
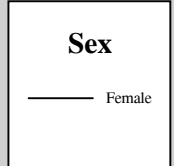


Fig. 8C-12. Gros Morne Caribou Herd radio telemetry locations by sex, ages combined May 1, 1995 to April 30, 1996.  
 a. Spring home ranges using 75% harmonic mean    b. Spring home ranges using 95% minimum convex polygon.



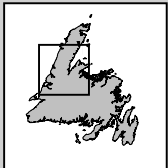
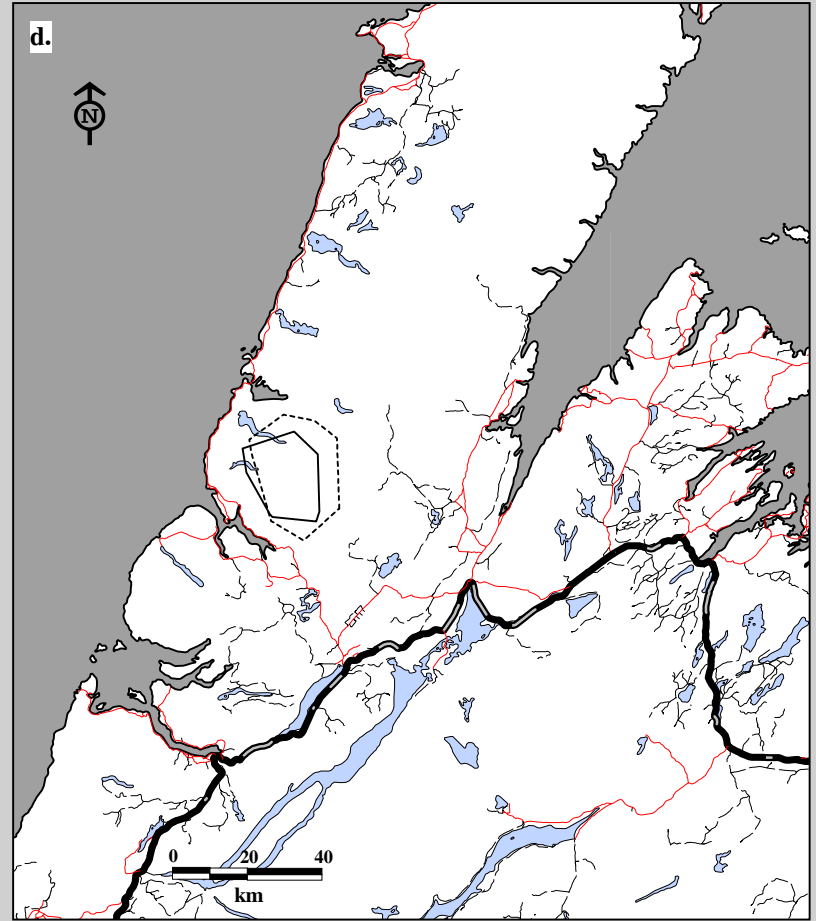
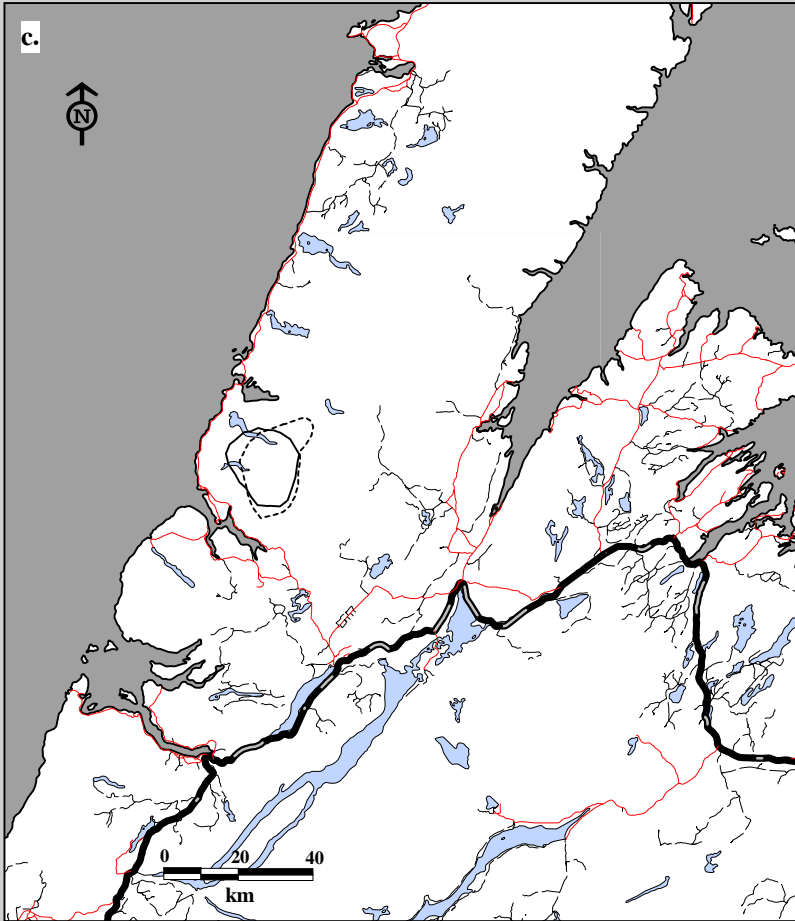
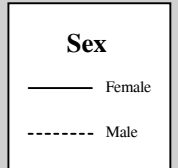


Fig. 8C-12. Gros Morne Caribou Herd radio telemetry locations by sex, ages combined May 1, 1995 to April 30, 1996.  
 c. Summer home ranges using 75% harmonic mean    d. Summer home ranges using 95% minimum convex polygon.



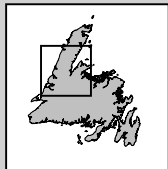
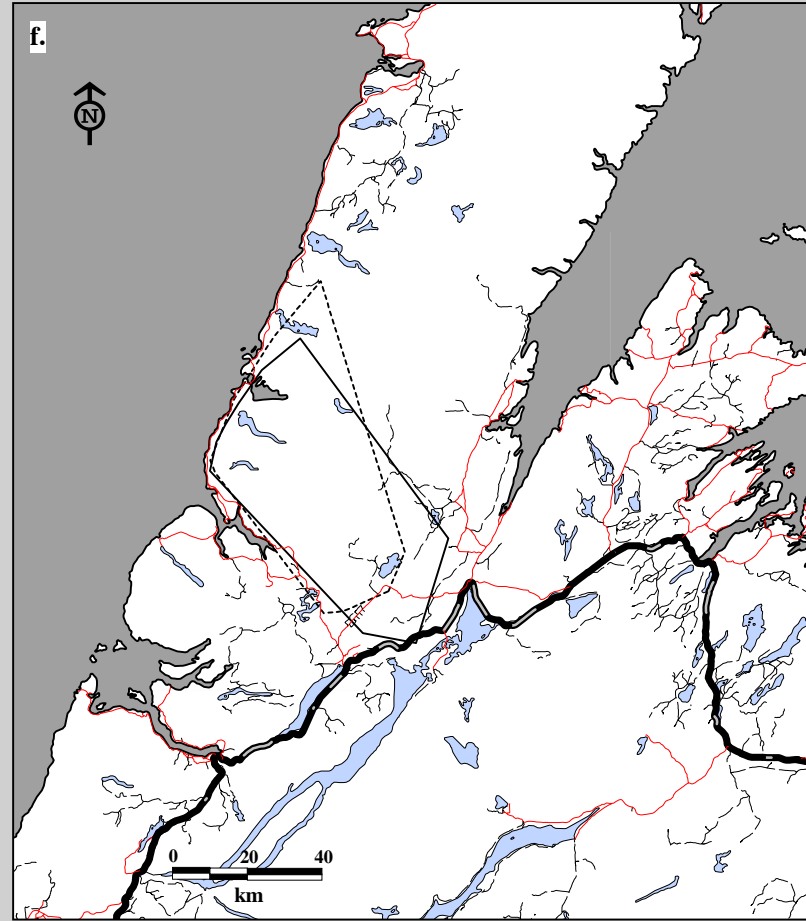
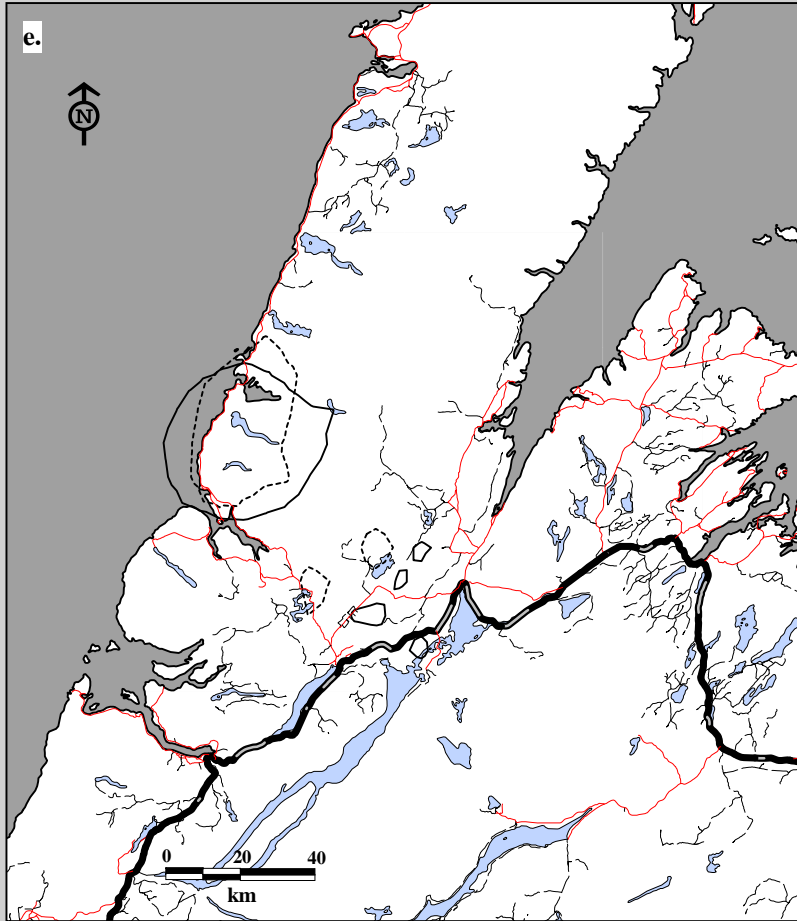
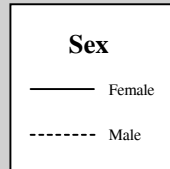


Fig. 8C-12. Gros Morne Caribou Herd radio telemetry locations by sex, ages combined May 1, 1995 to April 30, 1996.  
 e. Winter home ranges using 75% harmonic mean f. Winter home ranges using 95% minimum convex polygon.



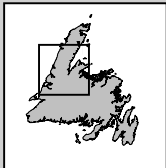
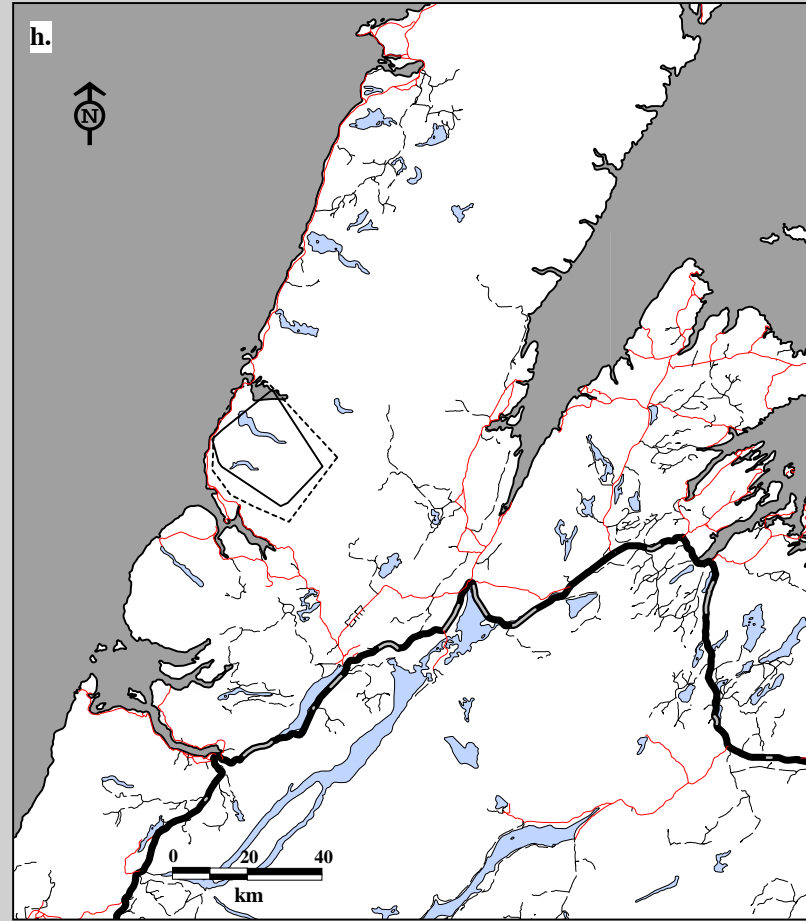
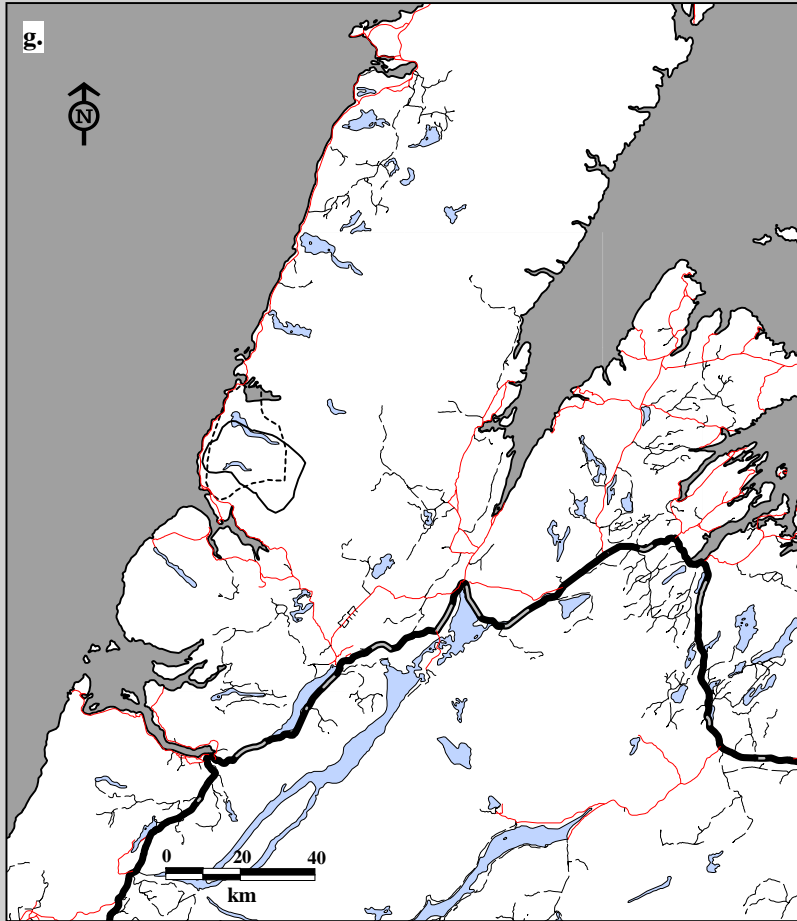
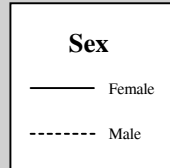


Fig. 8C-12. Gros Morne Caribou Herd radio telemetry locations by sex, ages combined May 1, 1996 to April 30, 1997.  
 g. Spring home ranges using 75% harmonic mean    h. Spring home ranges using 95% minimum convex polygon.



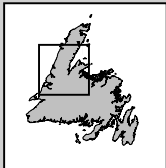
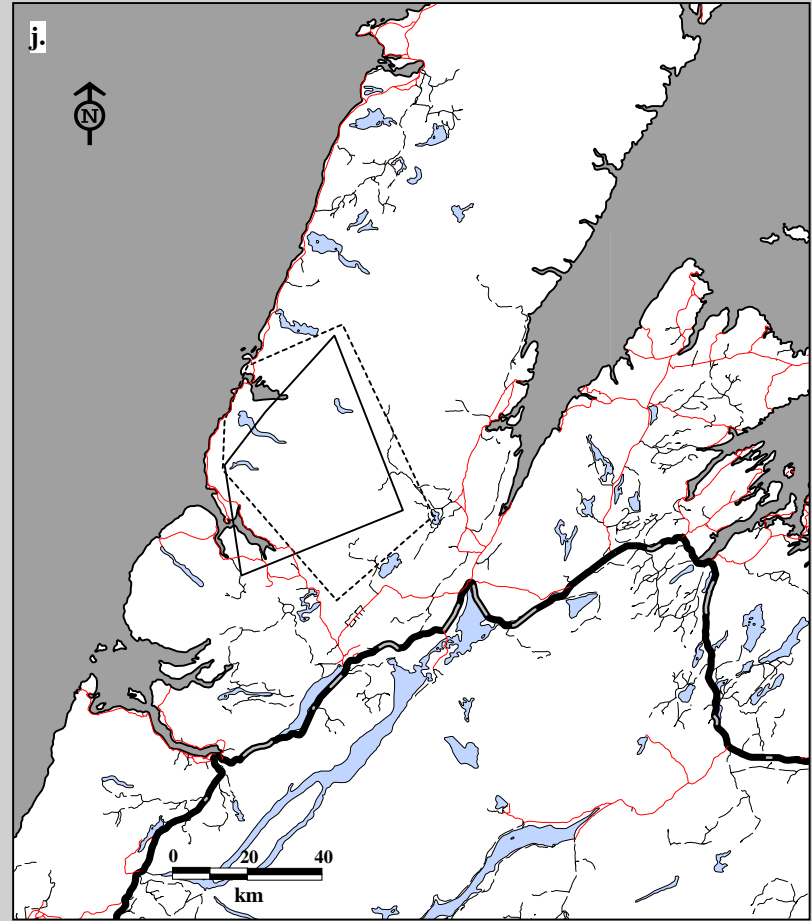
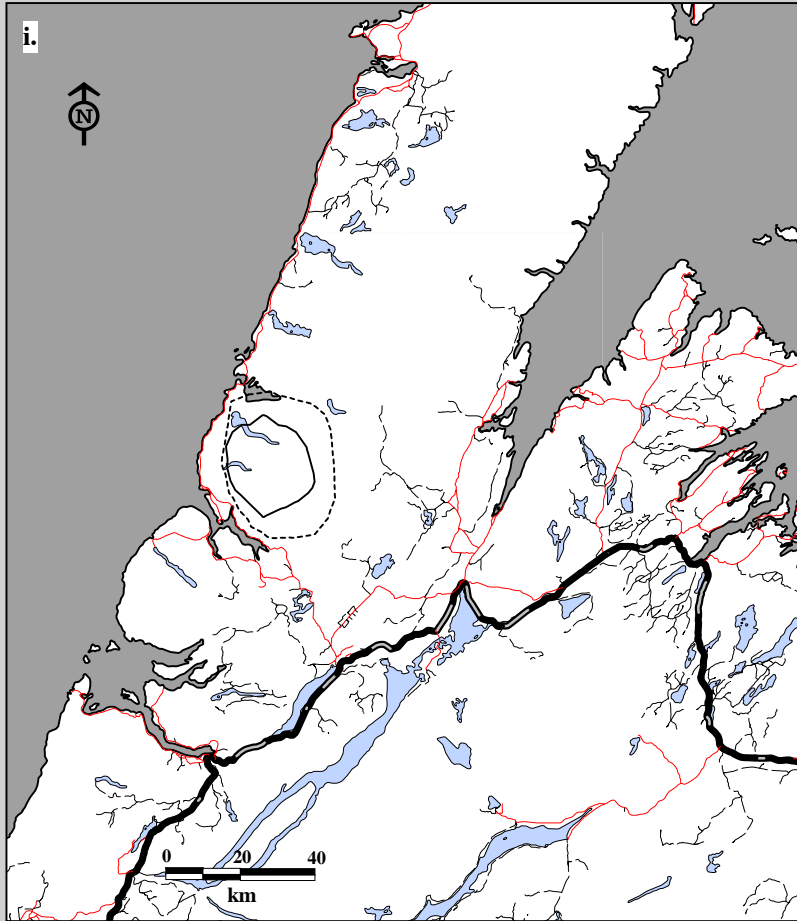
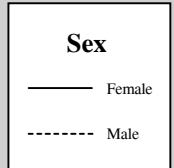


Fig. 8C-12. Gros Morne Caribou Herd radio telemetry locations by sex, ages combined May 1, 1996 to April 30, 1997.  
 i. Summer home ranges using 75% harmonic mean    j. Summer home ranges using 95% minimum convex polygon.





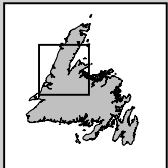
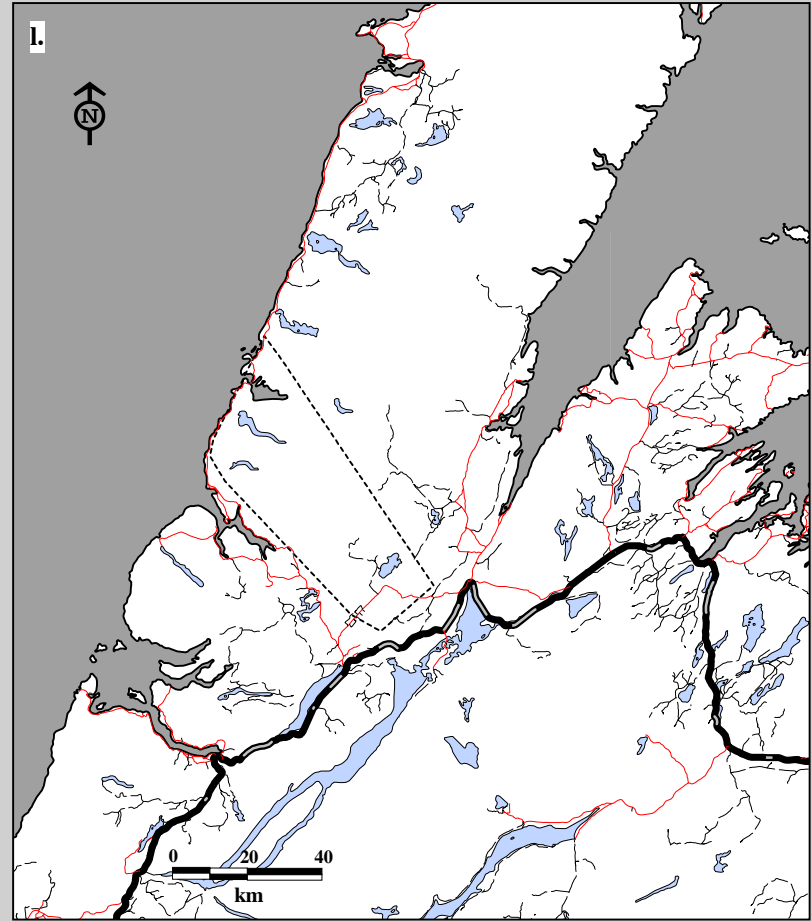
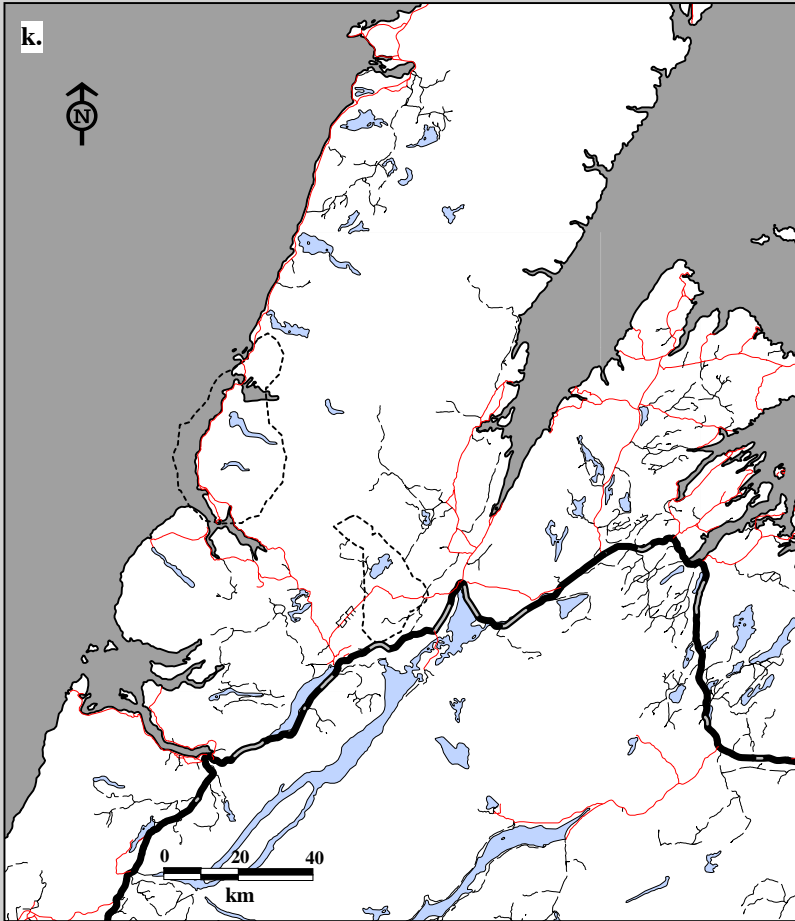
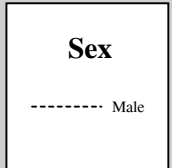


Fig. 8C-12. Gros Morne Caribou Herd radio telemetry locations by sex, ages combined May 1, 1996 to April 30, 1997.  
 k. Fall home ranges using 75% harmonic mean    l. Fall home ranges using 95% minimum convex polygon.





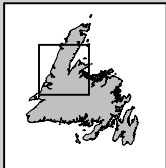
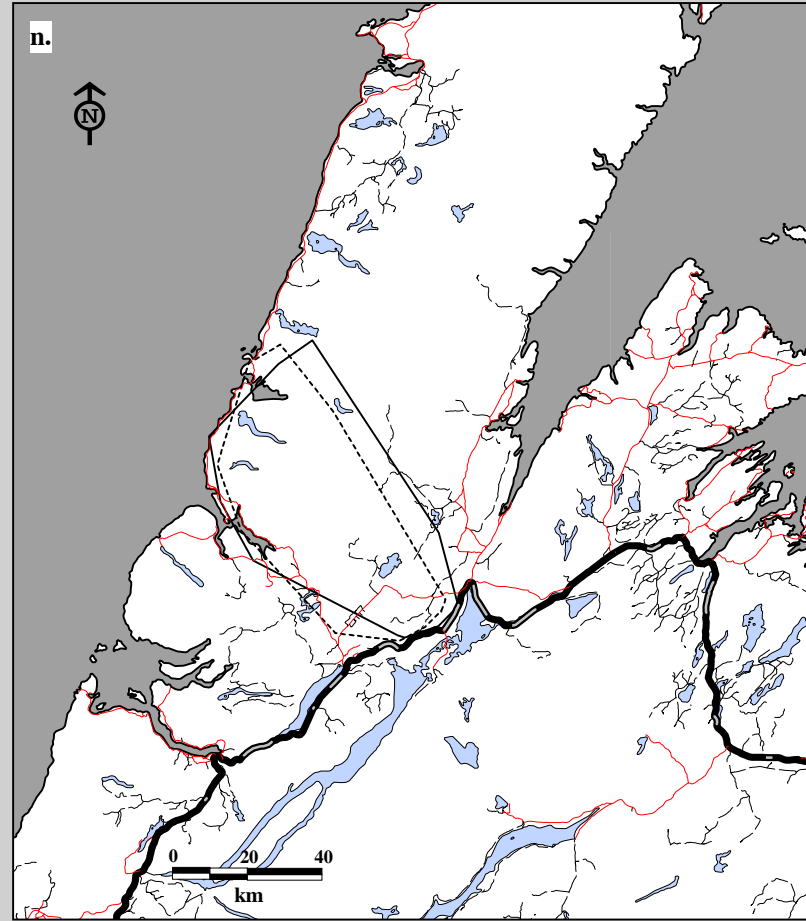
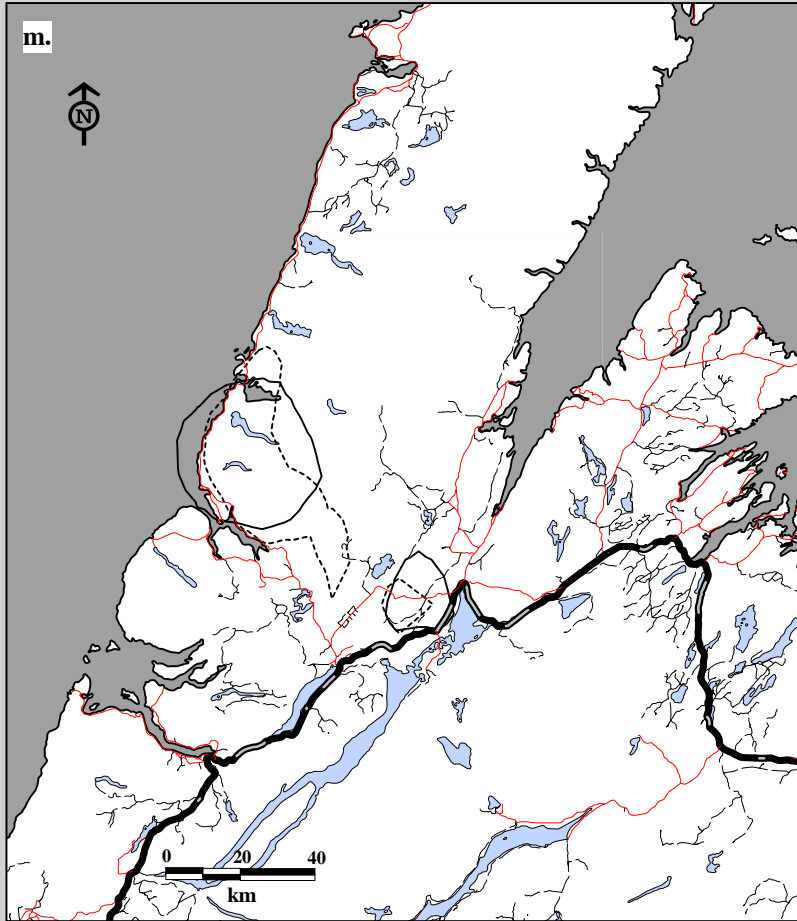


Fig. 8C-12. Gros Morne Caribou Herd radio telemetry locations by sex, ages combined May 1, 1996 to April 30, 1997.  
 m. Winter home ranges using 75% harmonic mean    n. Winter home ranges using 95% minimum convex polygon.

**Sex**

- Female
- - - Male

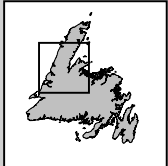
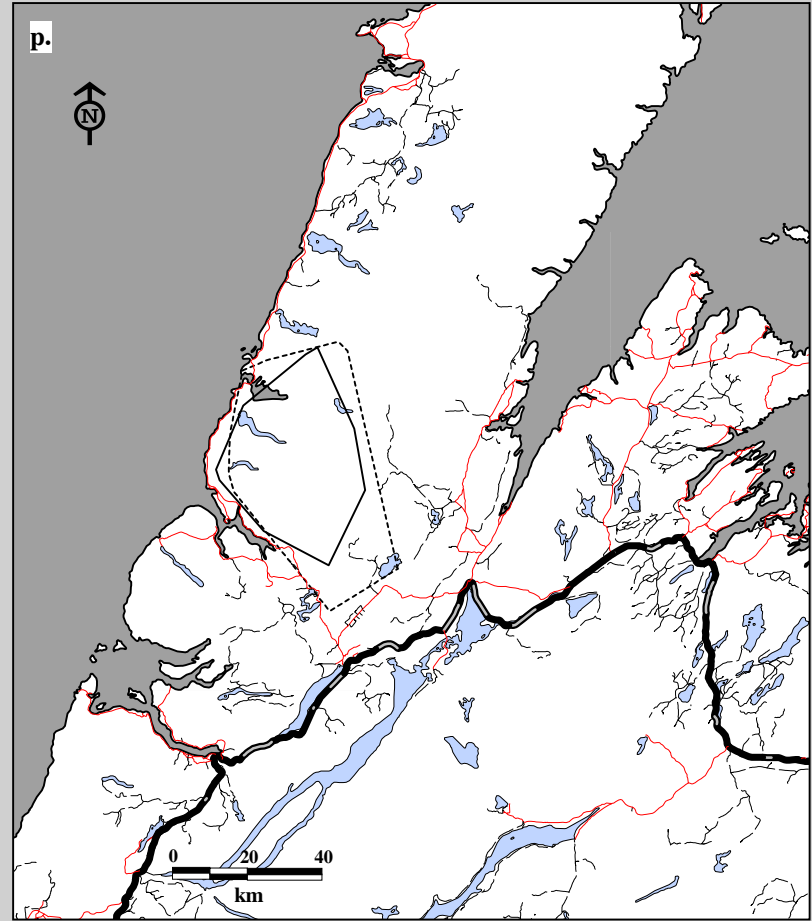
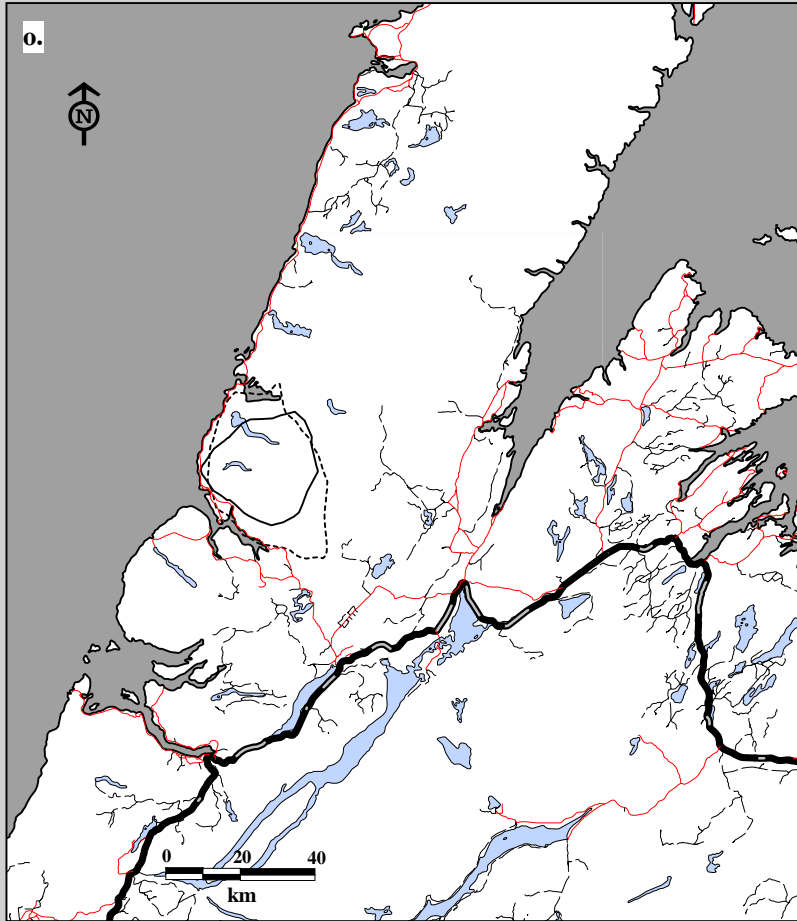
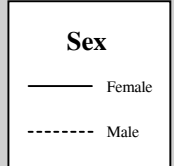


Fig. 8C-12. Gros Morne Caribou Herd radio telemetry locations by sex, ages combined May 1, 1997 to Nov 27, 1997.  
 o. Spring home ranges using 75% harmonic mean    p. Spring home ranges using 95% minimum convex polygon.



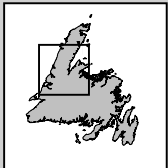
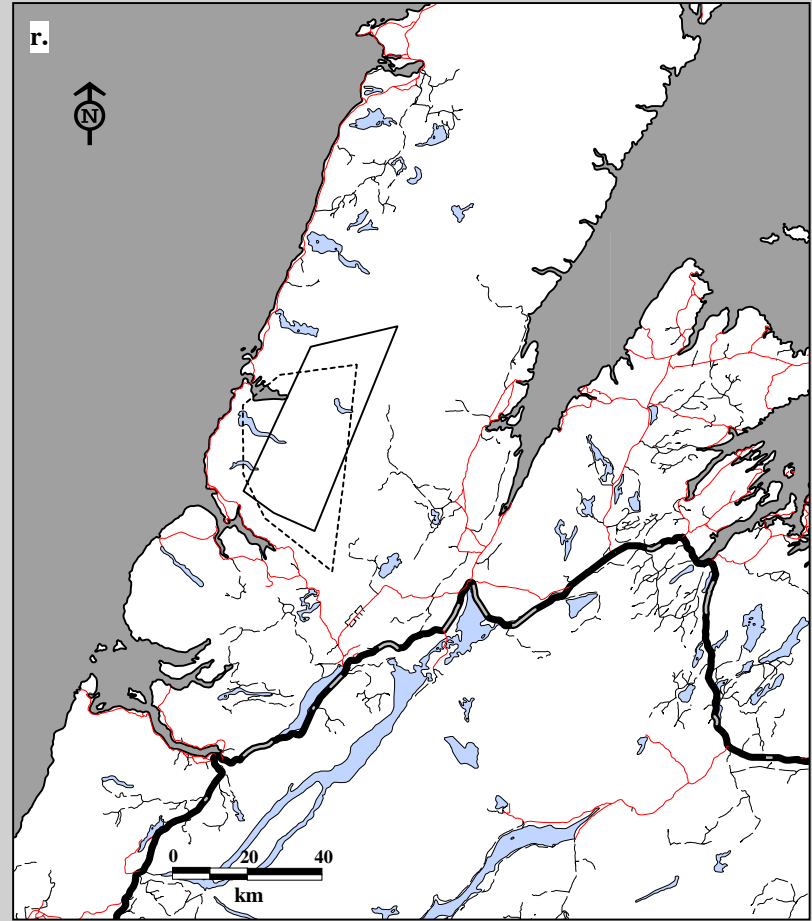
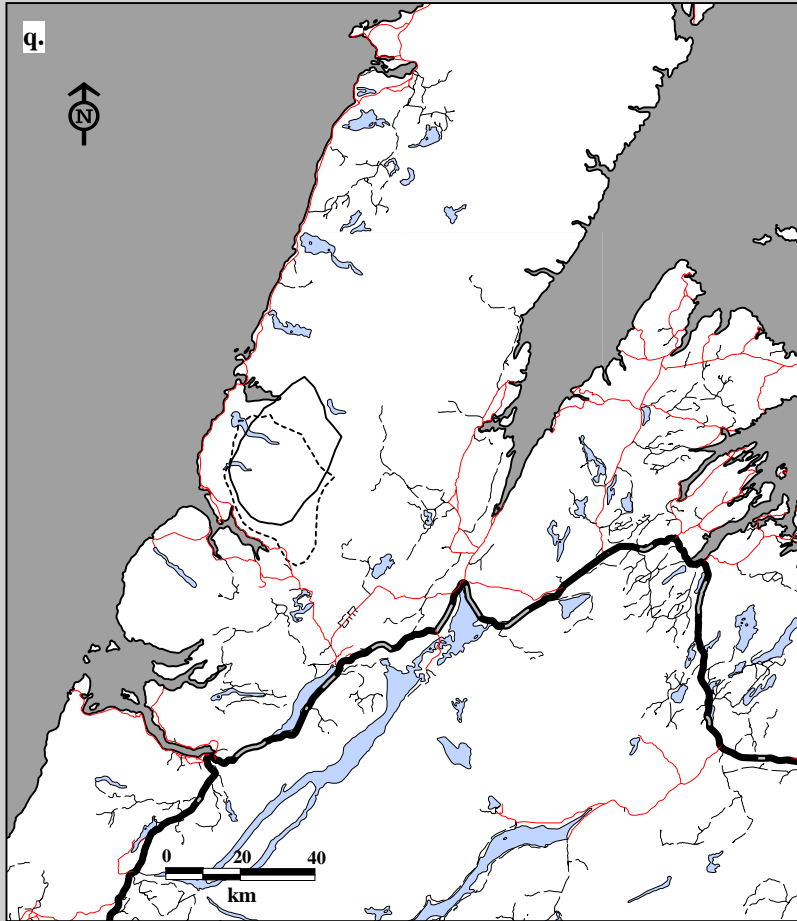
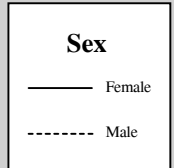


Fig. 8C-12. Gros Morne Caribou Herd radio telemetry locations by sex, ages combined May 1, 1997 to Nov. 27, 1997.  
 q. Summer home ranges using 75% harmonic mean    r. Summer home ranges using 95% minimum convex polygon.



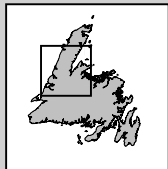
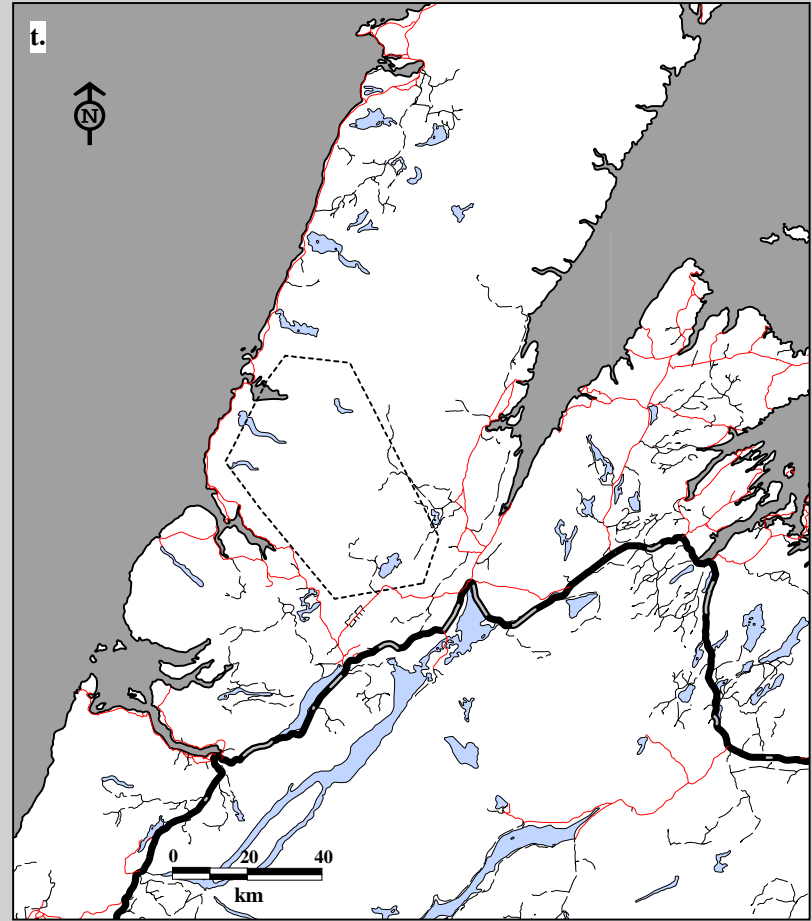
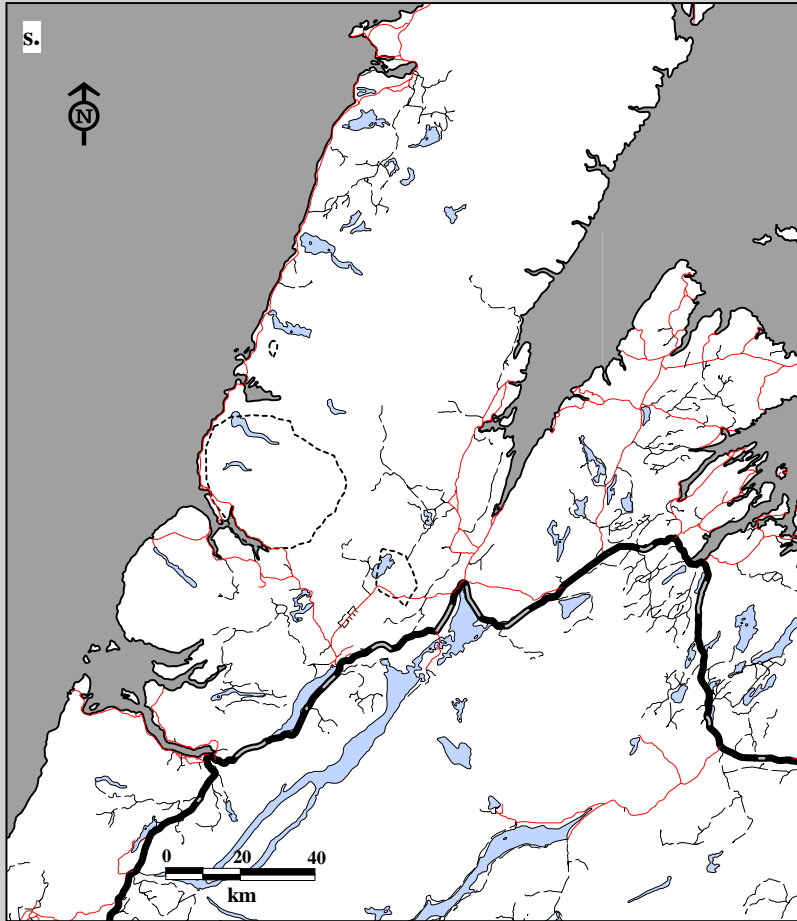
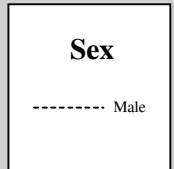


Fig. 8C-12. Gros Morne Caribou Herd radio telemetry locations by sex, ages combined May 1, 1997 to Nov. 27, 1997.  
 s. Fall home ranges using 75% harmonic mean    t. Fall home ranges using 95% minimum convex polygon.



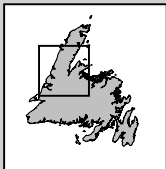
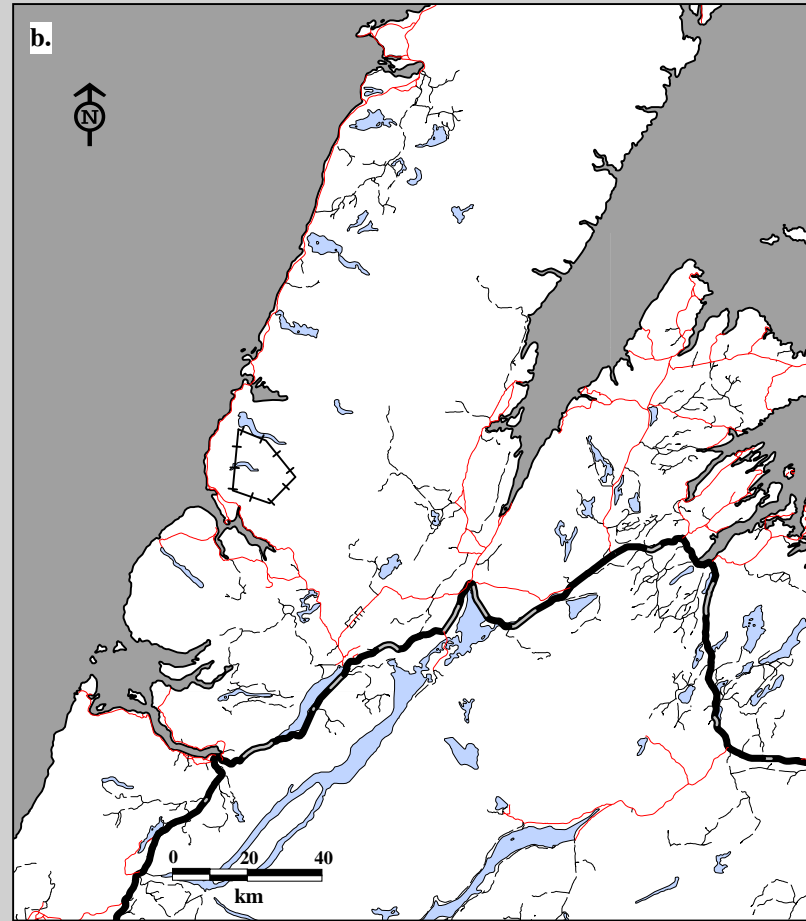
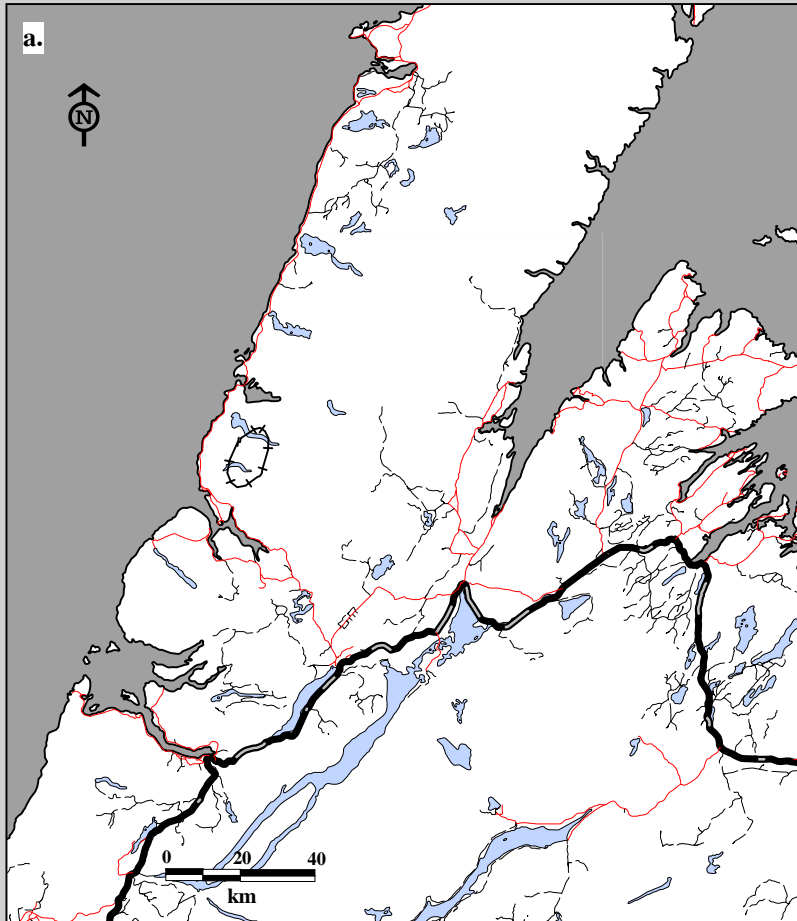


Fig. 8C-13. Gros Morne Caribou Herd radio telemetry locations by age, both sexes May 1, 1995 to April 30, 1996.  
 a. Spring home ranges using 75% harmonic mean    b. Spring home ranges using 95% minimum convex polygon.

**Age**

++++ Calves

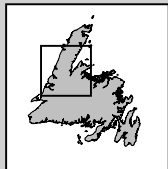
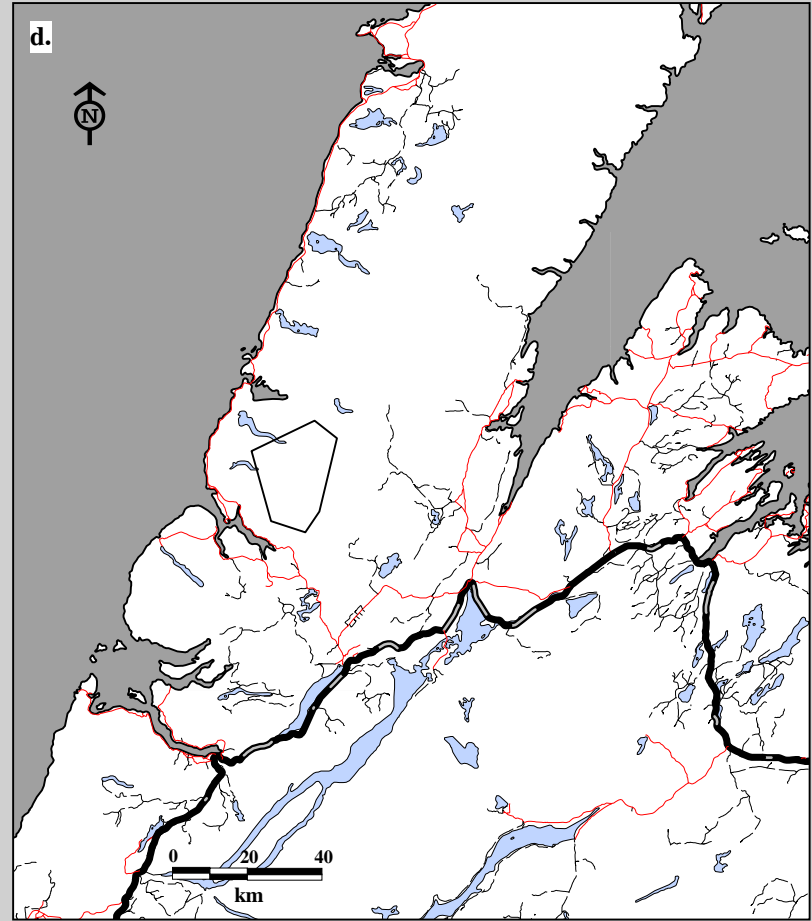
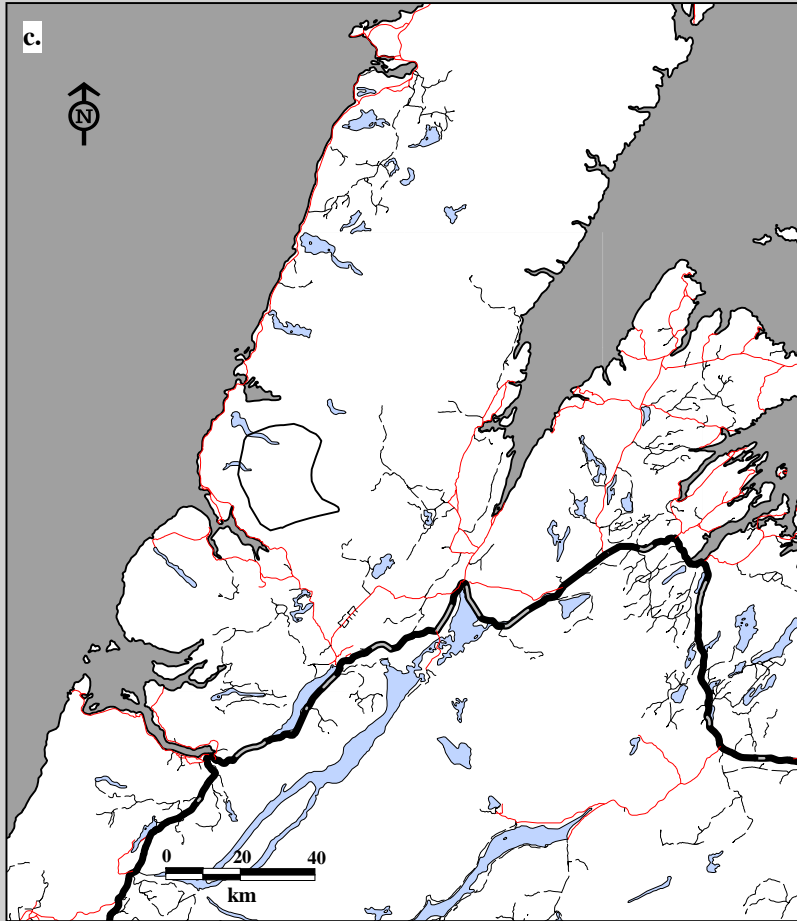
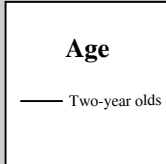


Fig. 8C-13. Gros Morne Caribou Herd radio telemetry locations by age, both sexes May 1, 1995 to April 30, 1996.  
 c. Summer home ranges using 75% harmonic mean    d. Summer home ranges using 95% minimum convex polygon.



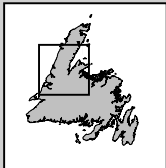
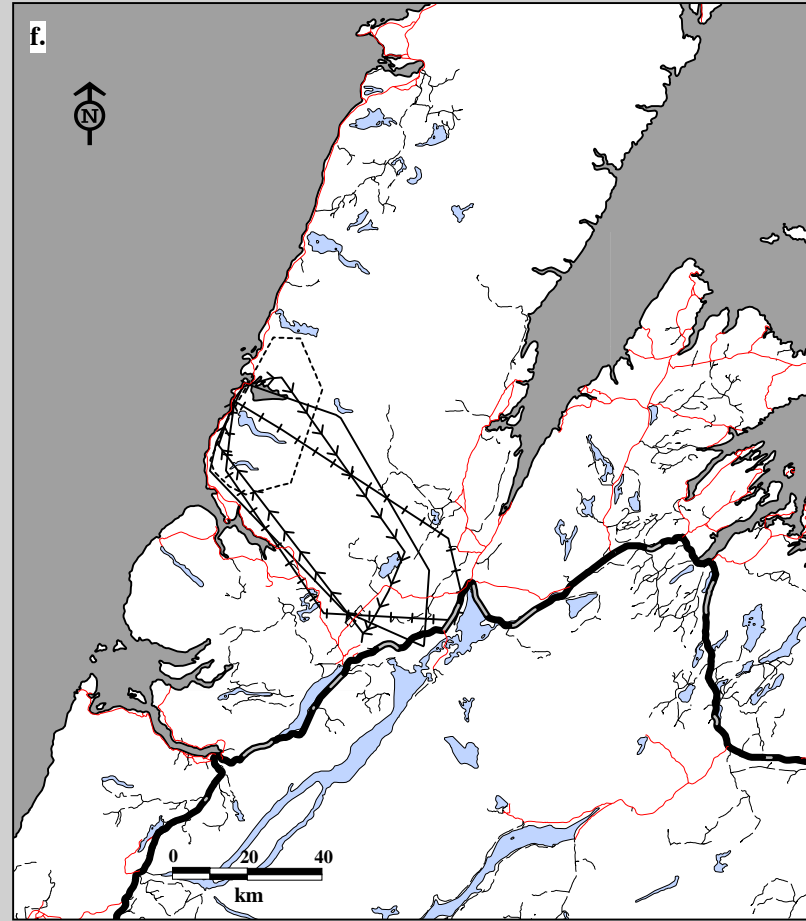
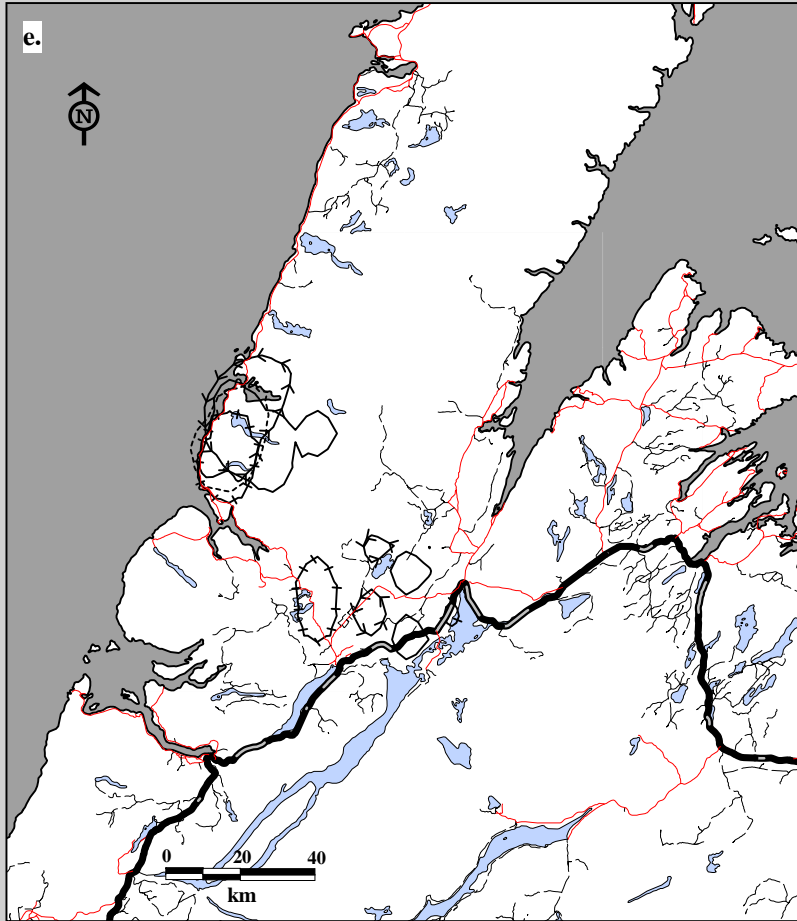
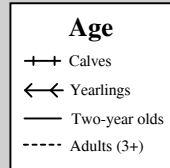


Fig. 8C-13. Gros Morne Caribou Herd radio telemetry locations by age, both sexes May 1, 1995 to April 30, 1996.  
 e. Winter home ranges using 75% harmonic mean    f. Winter home ranges using 95% minimum convex polygon.





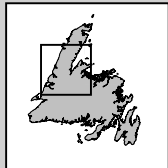
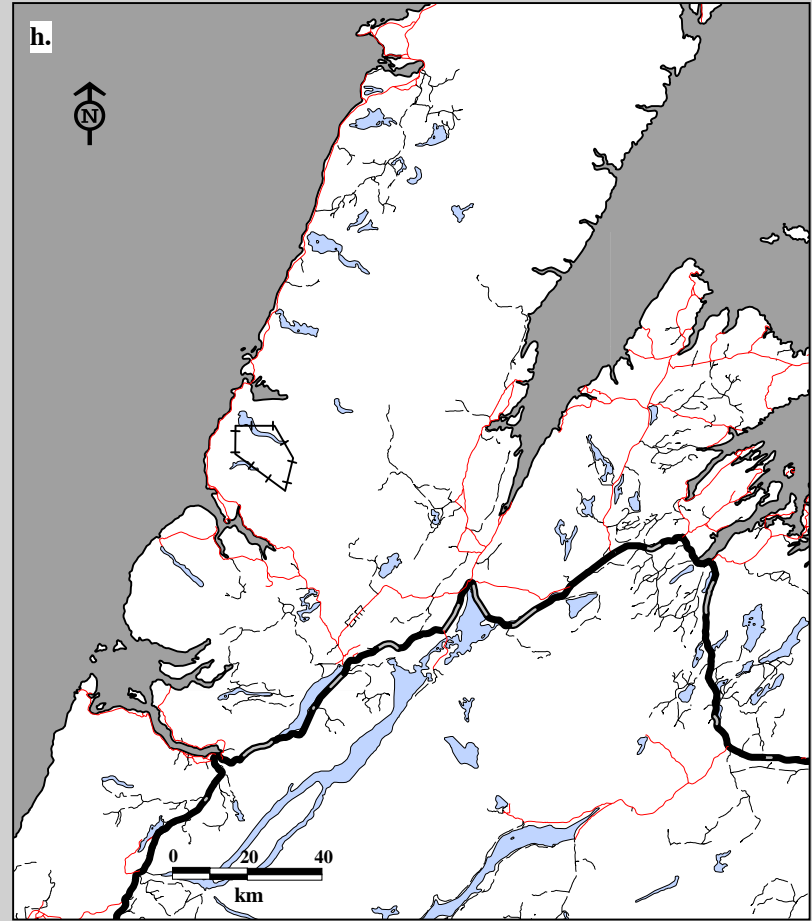
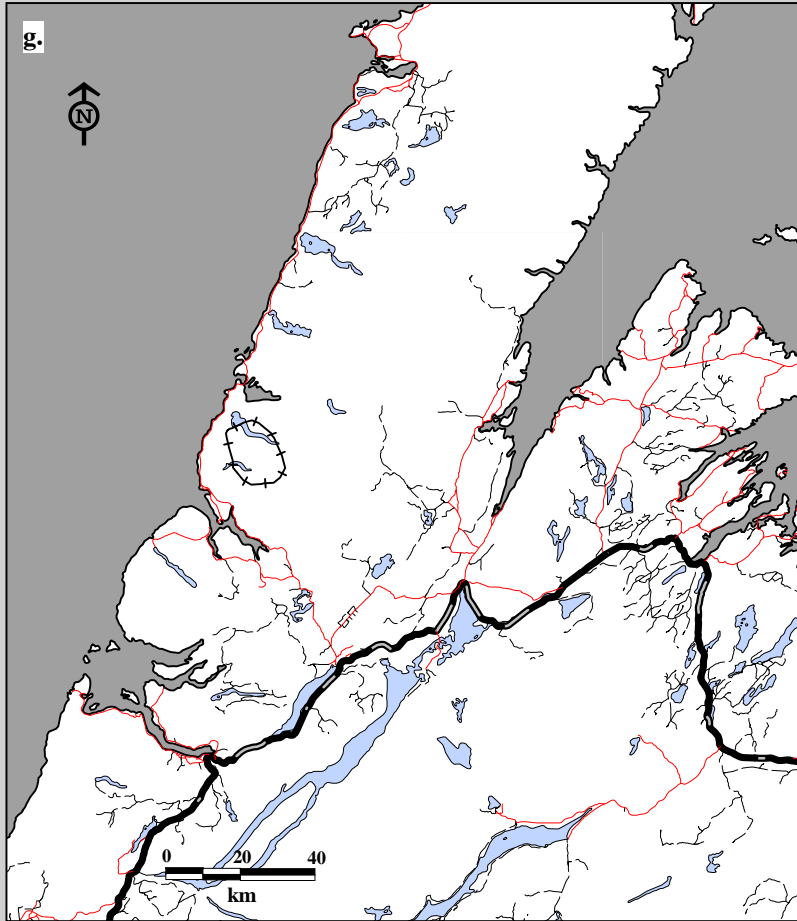
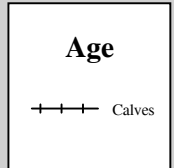


Fig. 8C-13. Gros Morne Caribou Herd radio telemetry locations by age, both sexes May 1, 1996 to April 30, 1997.  
 g. Spring home ranges using 75% harmonic mean    h. Spring home ranges using 95% minimum convex polygon.





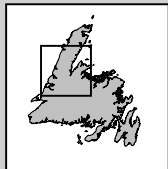
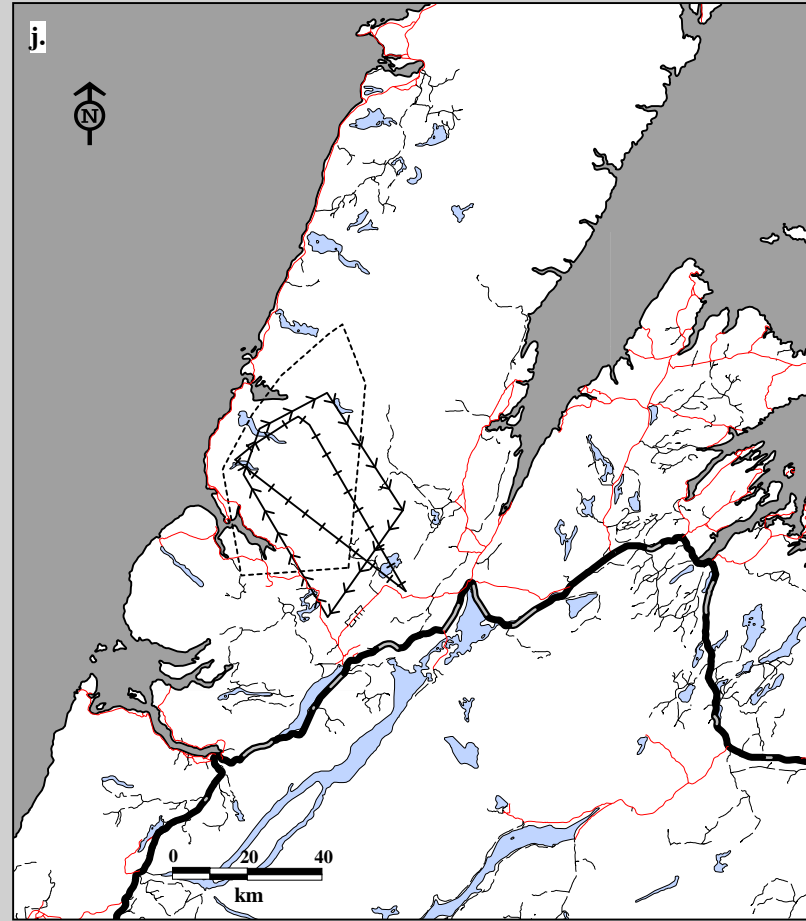
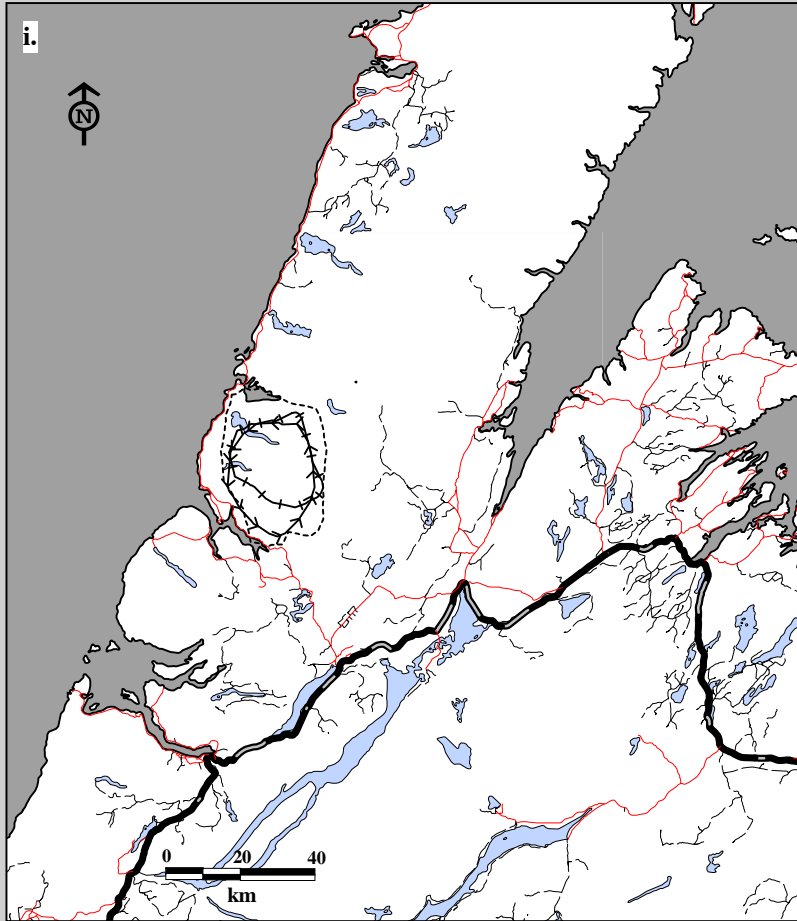
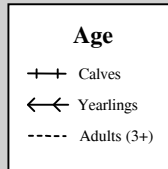


Fig. 8C-13. Gros Morne Caribou Herd radio telemetry locations by age, both sexes May 1, 1996 to April 30, 1997.  
 i. Summer home ranges using 75% harmonic mean    j. Summer home ranges using 95% minimum convex polygon.



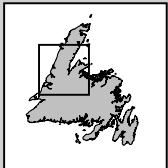
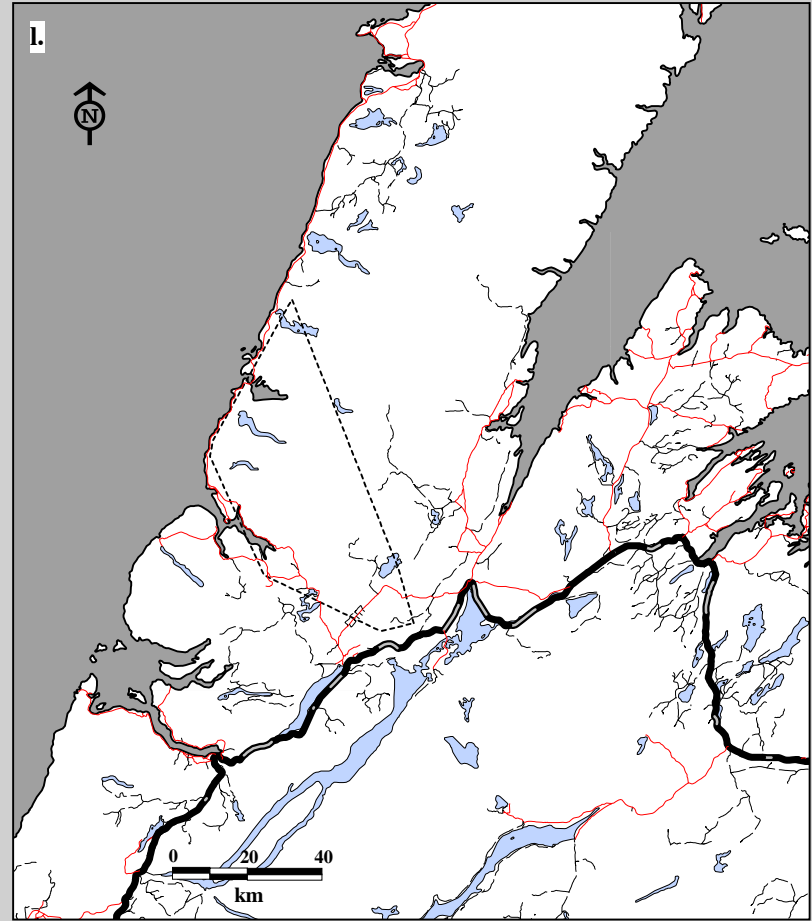
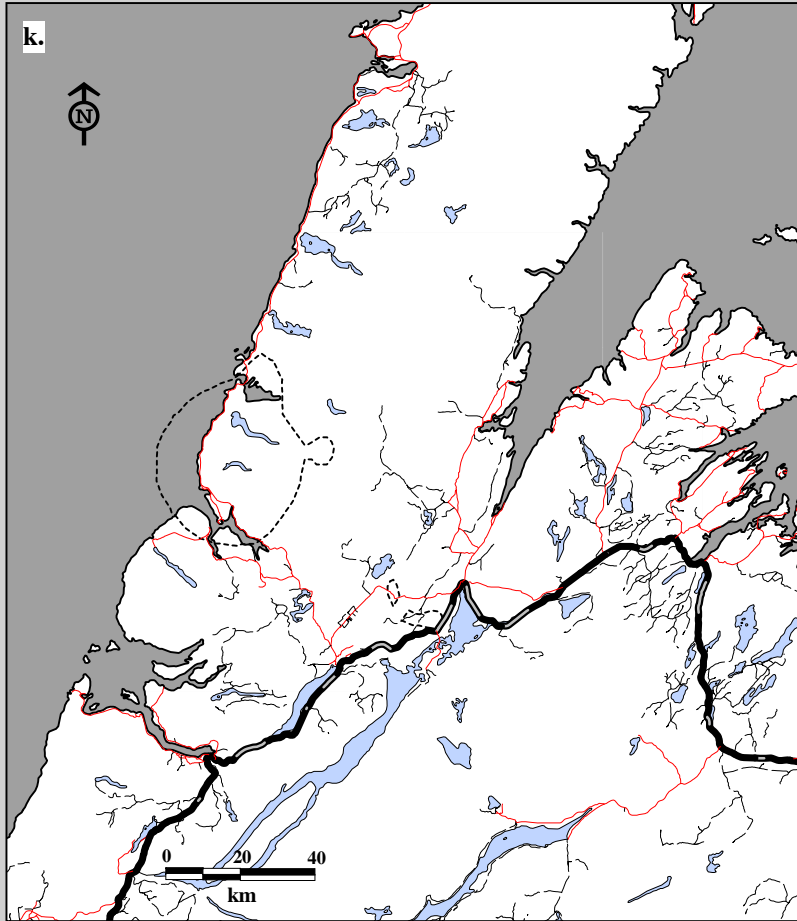
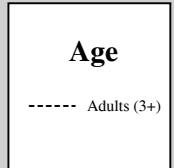


Fig. 8C-13. Gros Morne Caribou Herd radio telemetry locations by age, both sexes May 1, 1996 to April 30, 1997.  
 k. Fall home ranges using 75% harmonic mean    l. Fall home ranges using 95% minimum convex polygon.



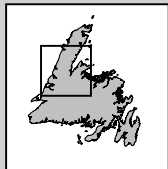
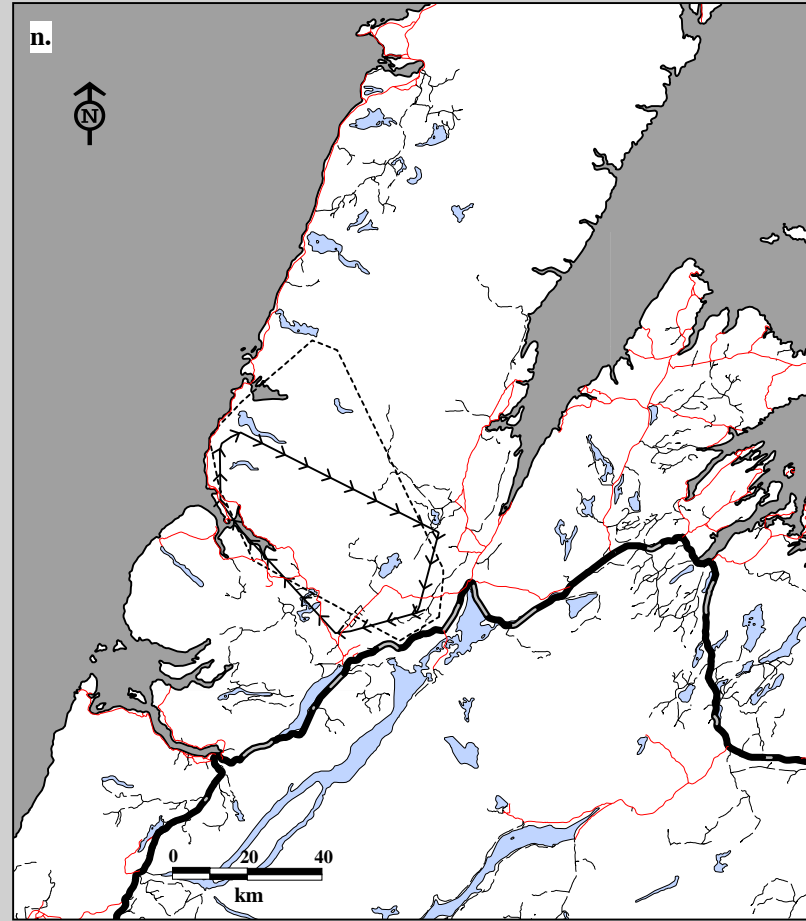
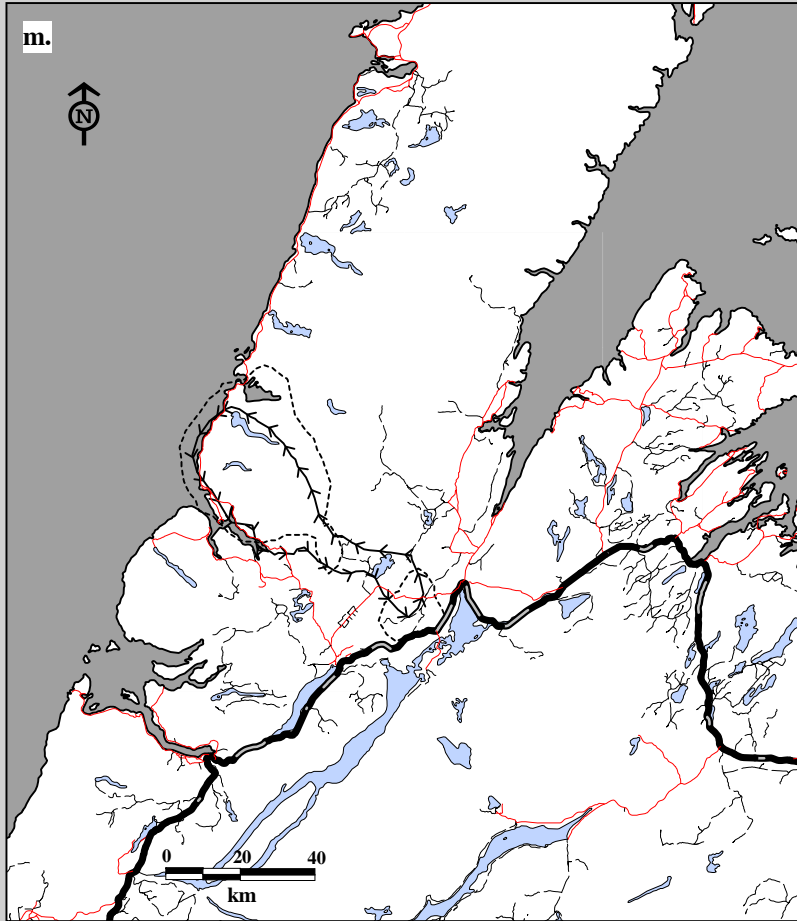
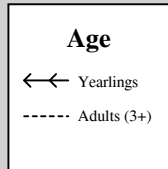


Fig. 8C-13. Gros Morne Caribou Herd radio telemetry locations by age, both sexes May 1, 1996 to April 30, 1997.  
 m. Winter home ranges using 75% harmonic mean    n. Winter home ranges using 95% minimum convex polygon.



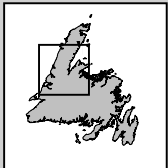
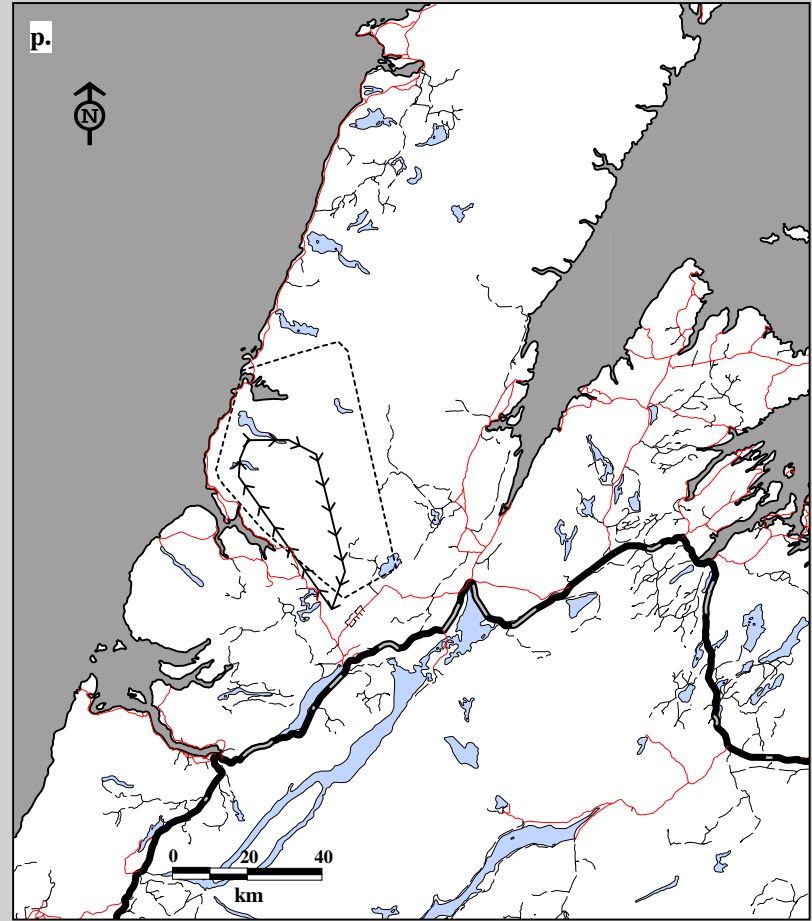
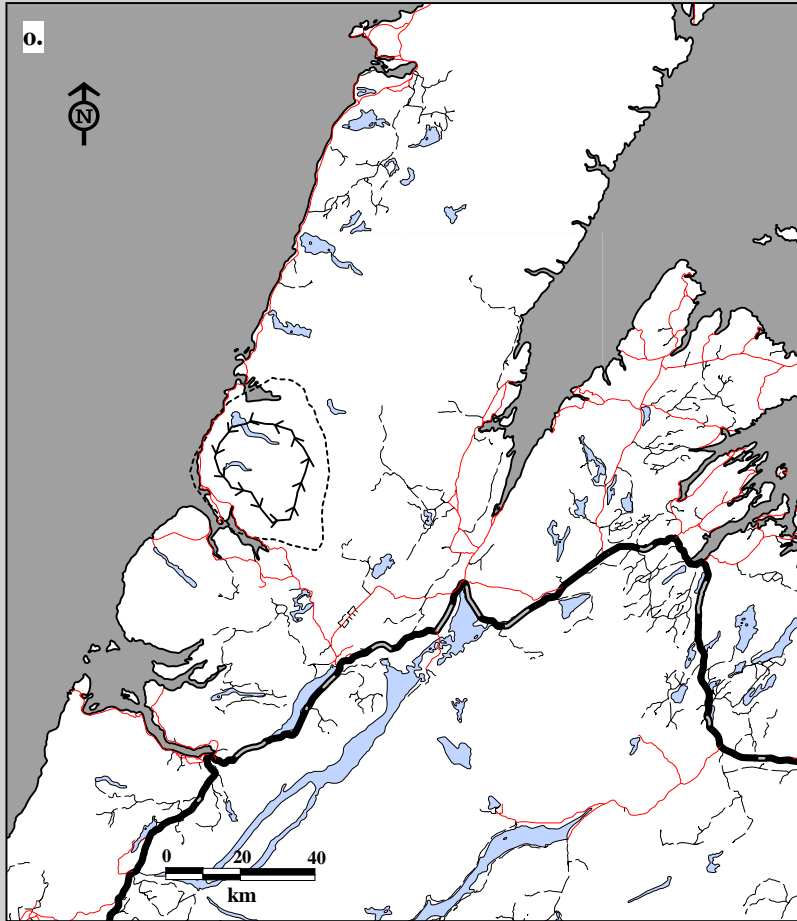
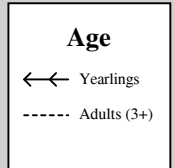


Fig. 8C-13. Gros Morne Caribou Herd radio telemetry locations by age, both sexes May 1, 1997 to Nov. 27, 1997.  
 o. Spring home ranges using 75% harmonic mean    p. Spring home ranges using 95% minimum convex polygon.



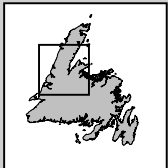
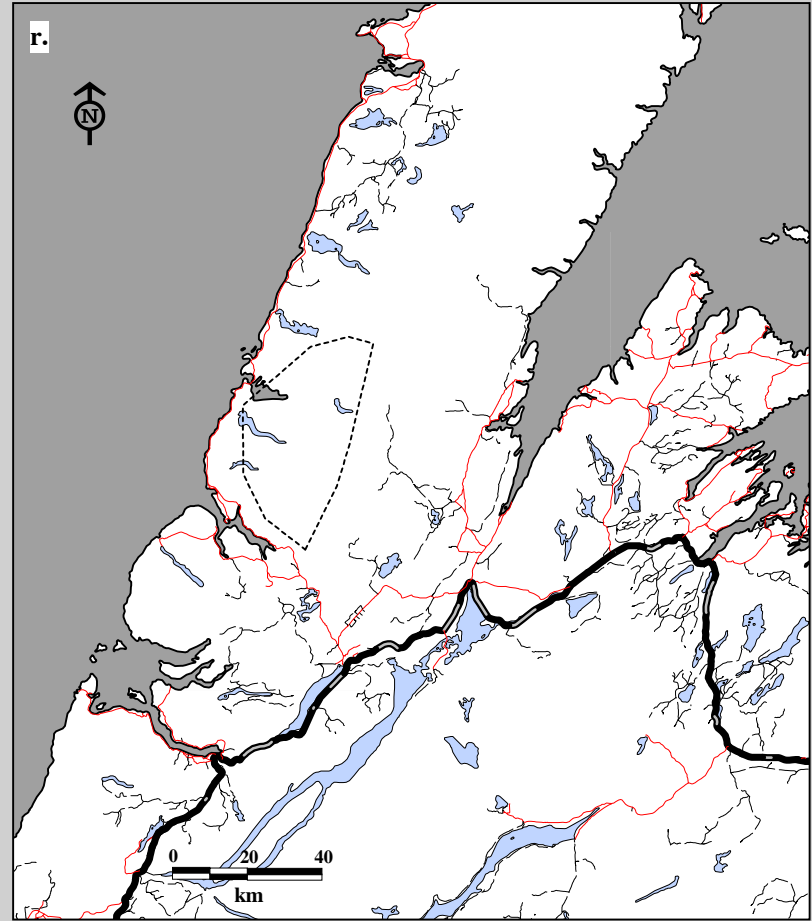
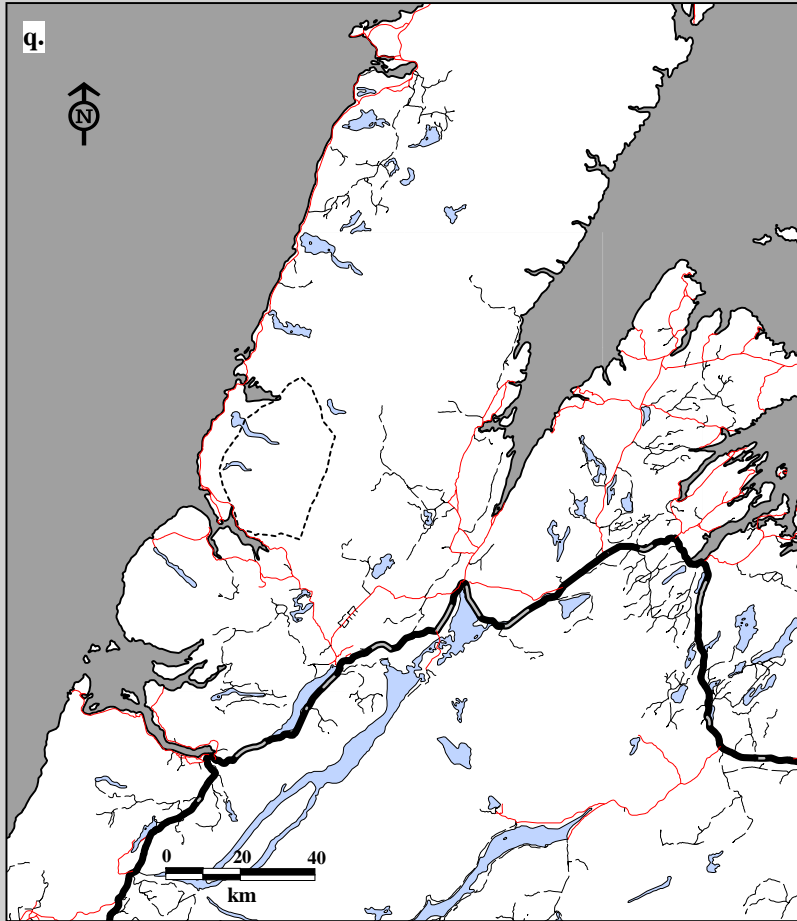
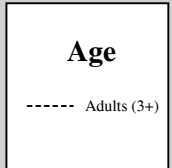


Fig. 8C-13. Gros Morne Caribou Herd radio telemetry locations by age, both sexes May 1, 1997 to Nov. 27, 1997.  
 q. Summer home ranges using 75% harmonic mean    r. Summer home ranges using 95% minimum convex polygon.



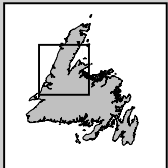
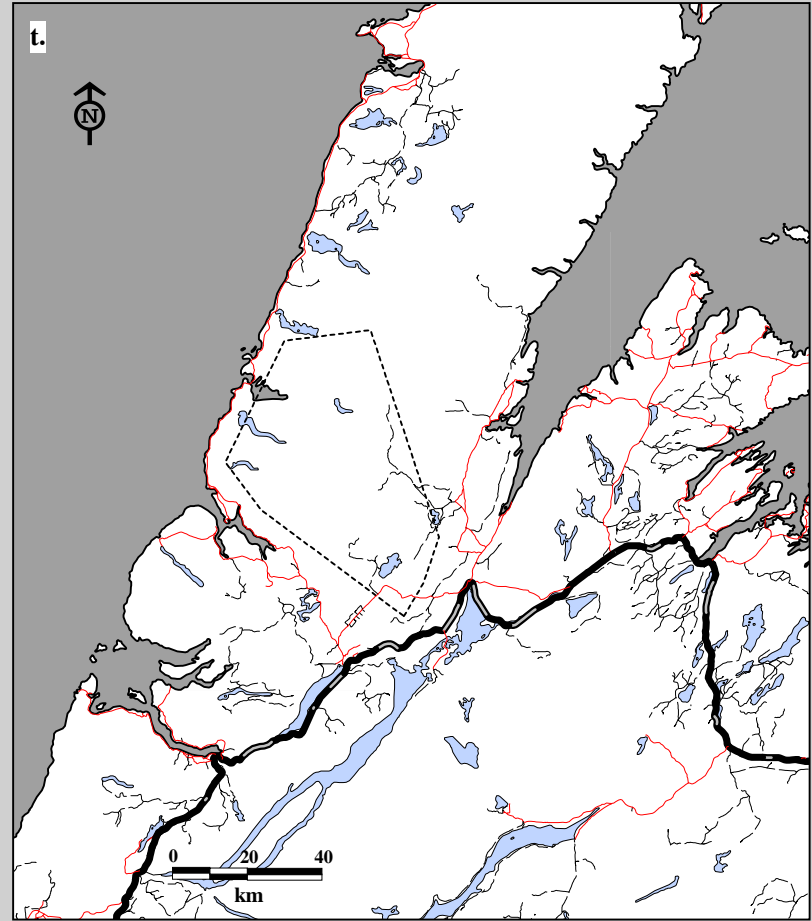
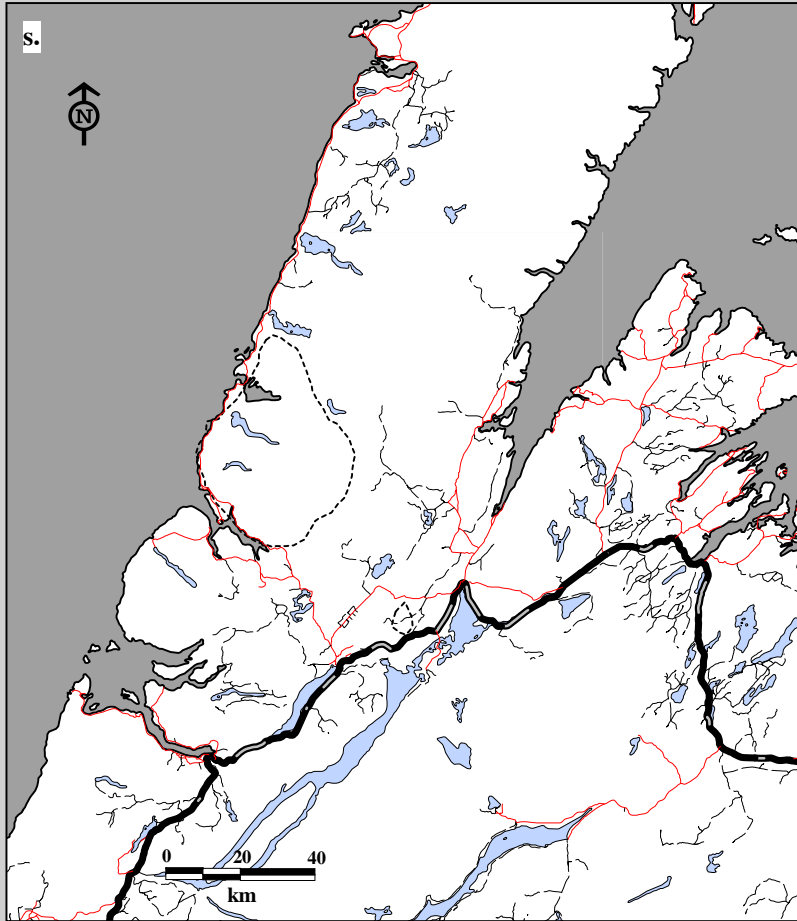


Fig. 8C-13. Gros Morne Caribou Herd radio telemetry locations by age, both sexes May 1, 1997 to Nov. 27, 1997.  
 s. Fall home ranges using 75% harmonic mean    t. Fall home ranges using 95% minimum convex polygon.

**Age**

----- Adults (3+)

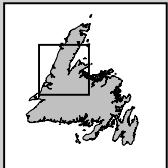
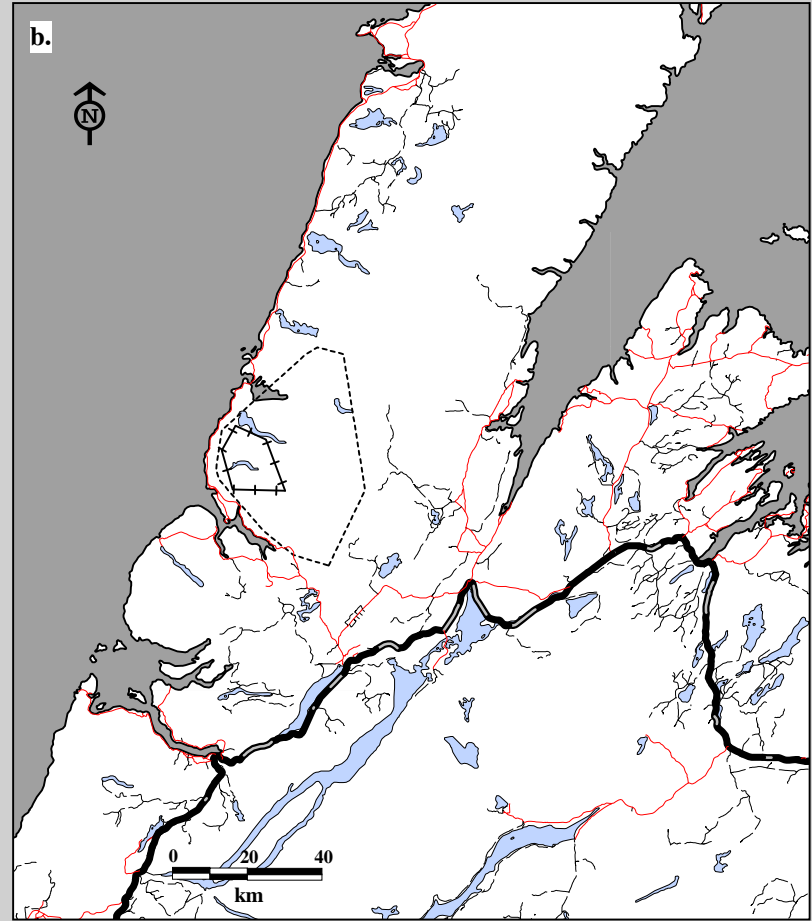
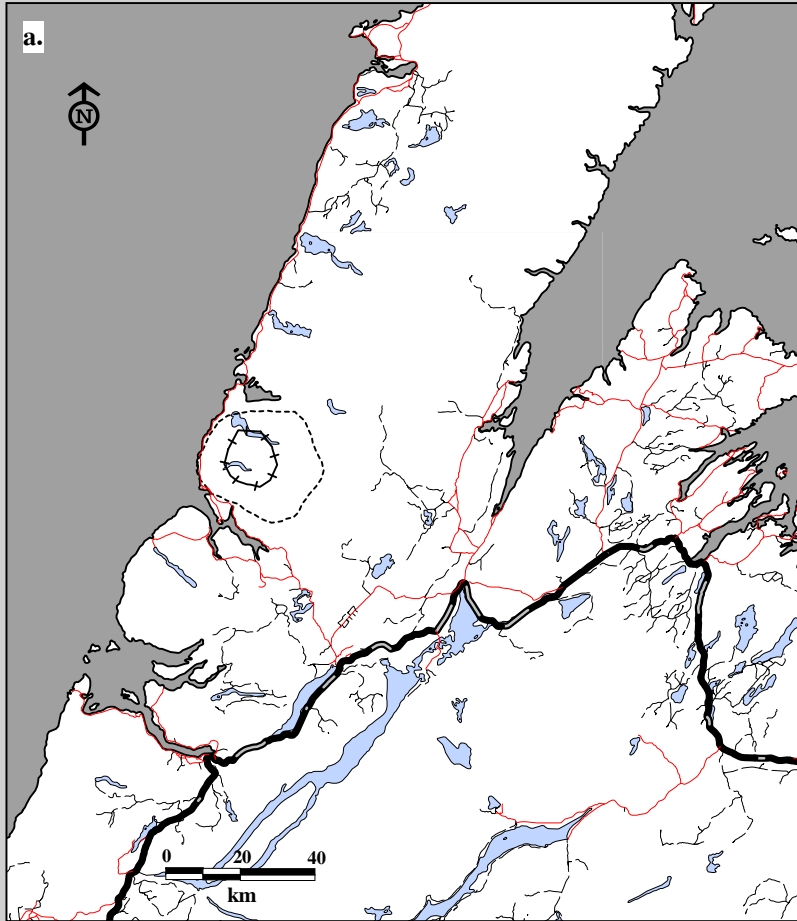
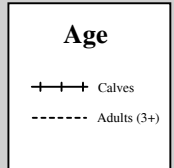


Fig. 8C-14. Gros Morne Caribou Herd radio telemetry locations for females, all ages, Aug. 20, 1992 to Nov. 27, 1997.  
 a. Spring home ranges using 75% harmonic mean    b. Spring home ranges using 95% minimum convex polygon.





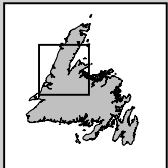
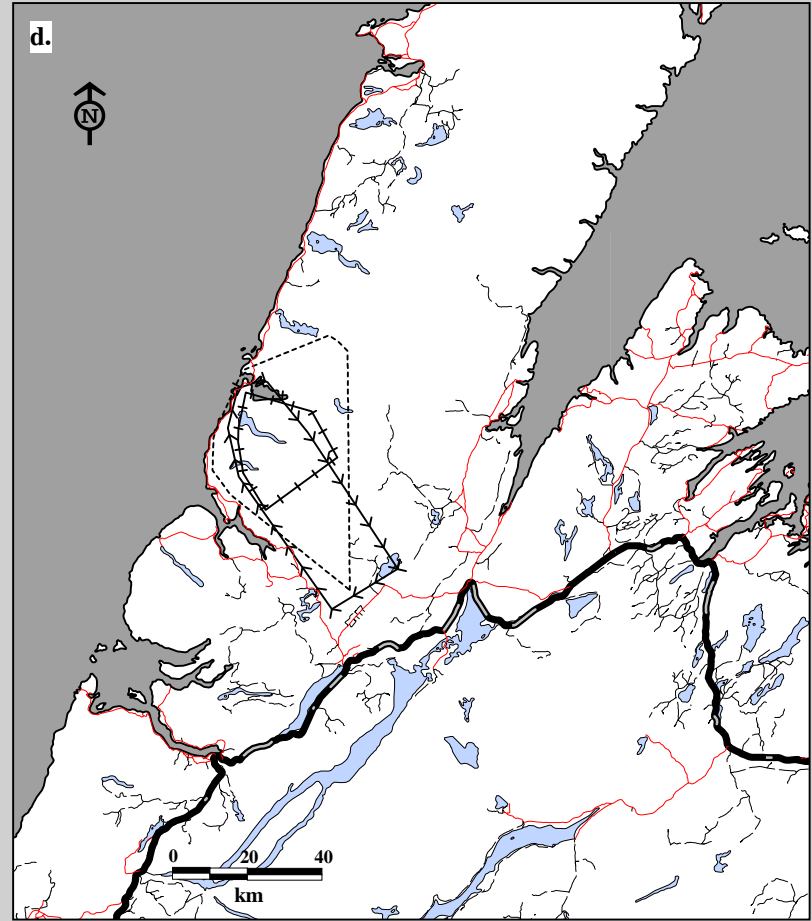
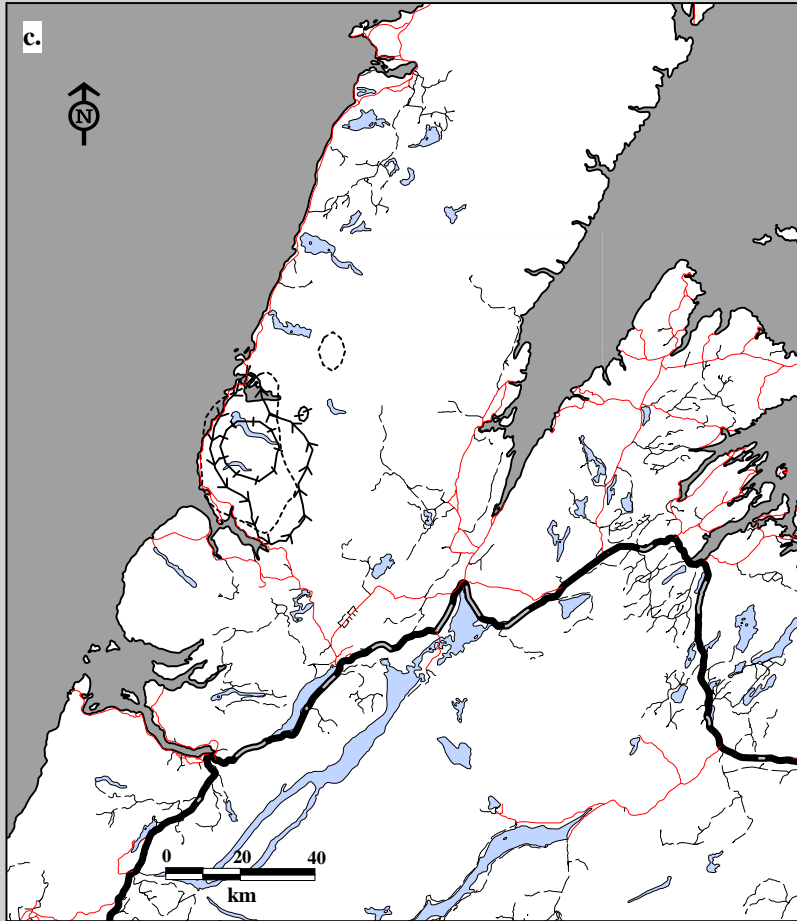
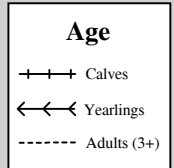


Fig. 8C-14. Gros Morne Caribou Herd radio telemetry locations for males, all ages, Aug. 20, 1992 to Nov. 27, 1997.  
 c. Spring home ranges using 75% harmonic mean    d. Spring home ranges using 95% minimum convex polygon.





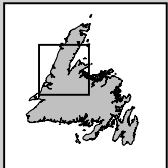
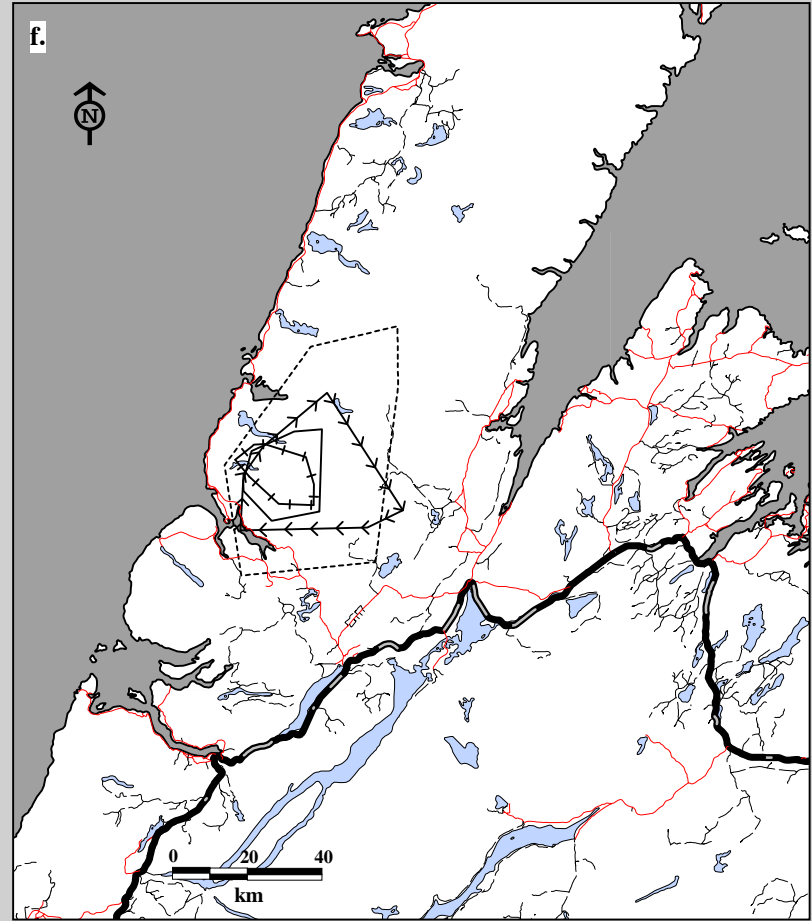
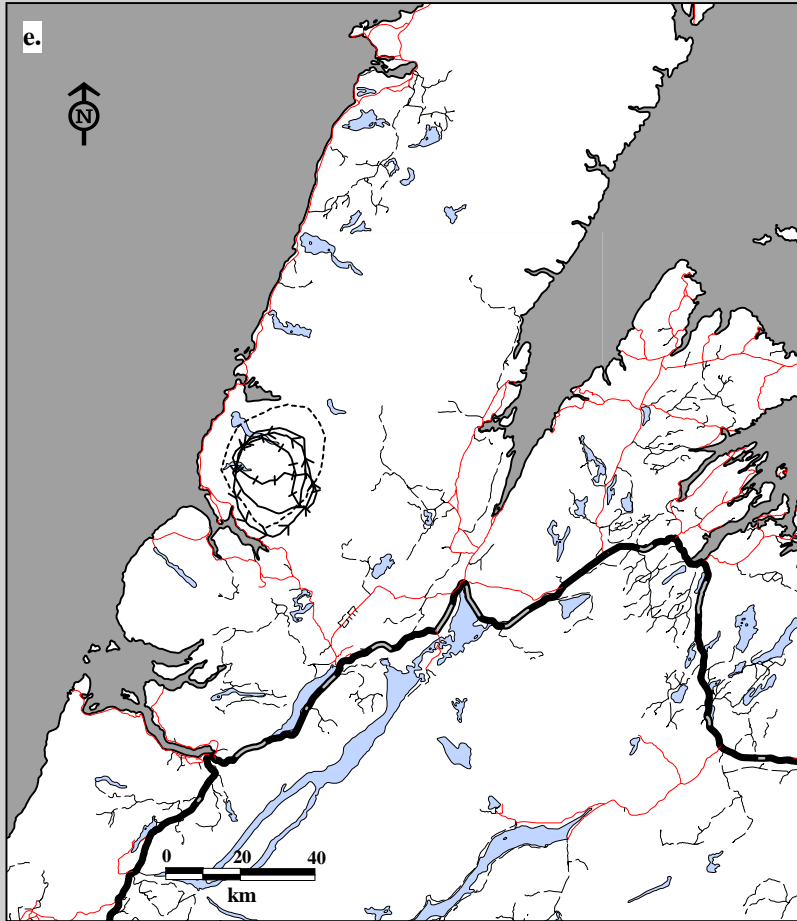
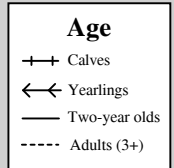


Fig. 8C-14. Gros Morne Caribou Herd radio telemetry locations for females, all ages, Aug. 20, 1992 to Nov. 27, 1997.  
 e. Summer home ranges using 75% harmonic mean    f. Summer home ranges using 95% minimum convex polygon.



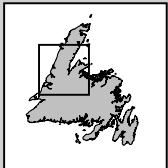
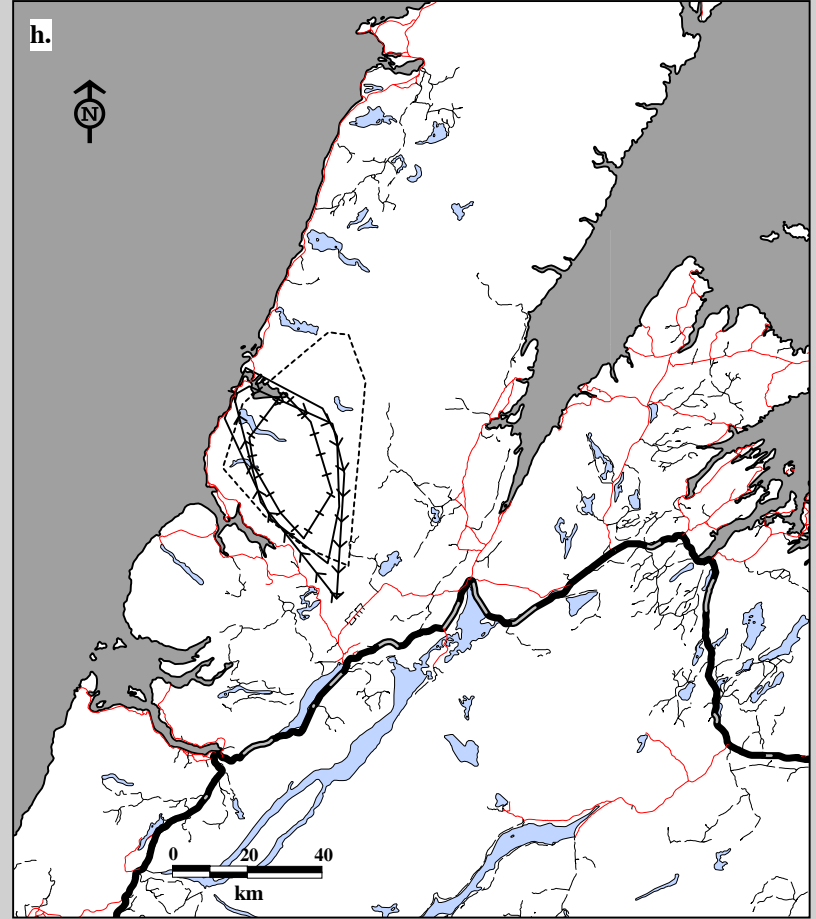
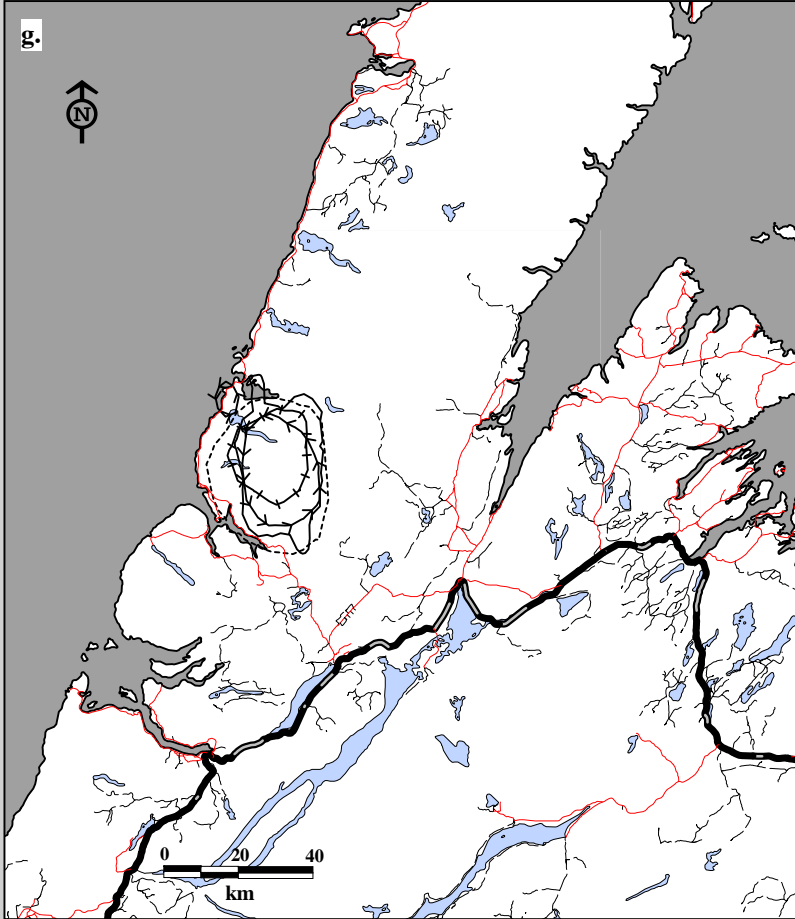
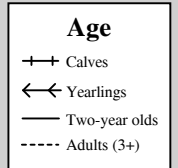


Fig. 8C-14. Gros Morne Caribou Herd radio telemetry locations for males, all ages, Aug. 20, 1992 to Nov. 27, 1997.  
 g. Summer home ranges using 75% harmonic mean    h. Summer home ranges using 95% minimum convex polygon.



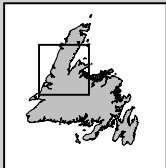
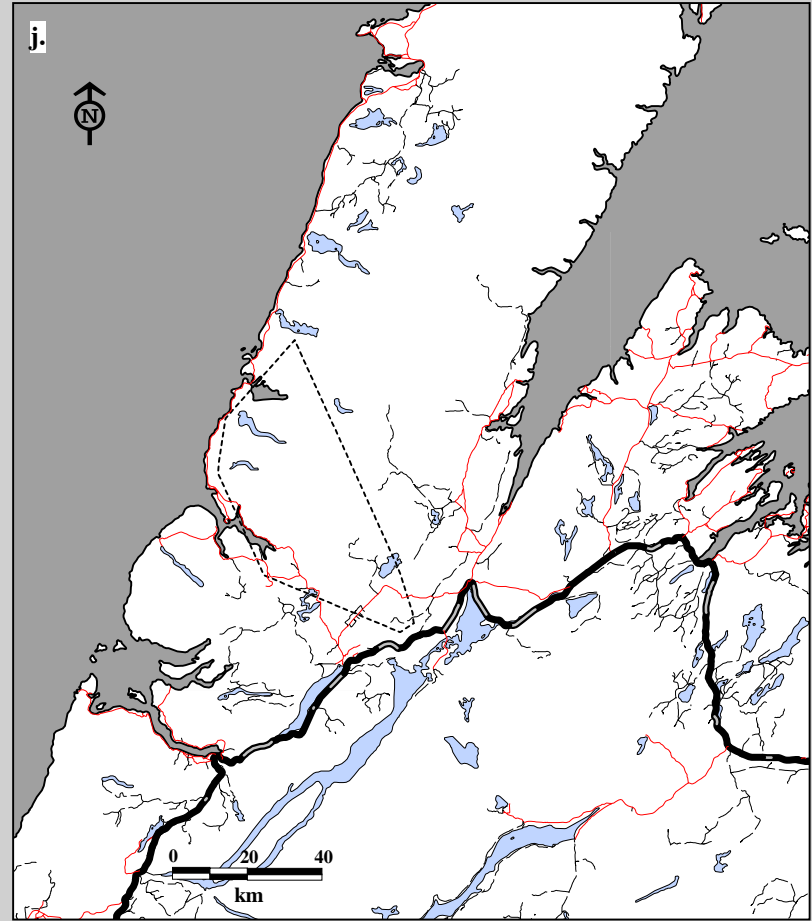
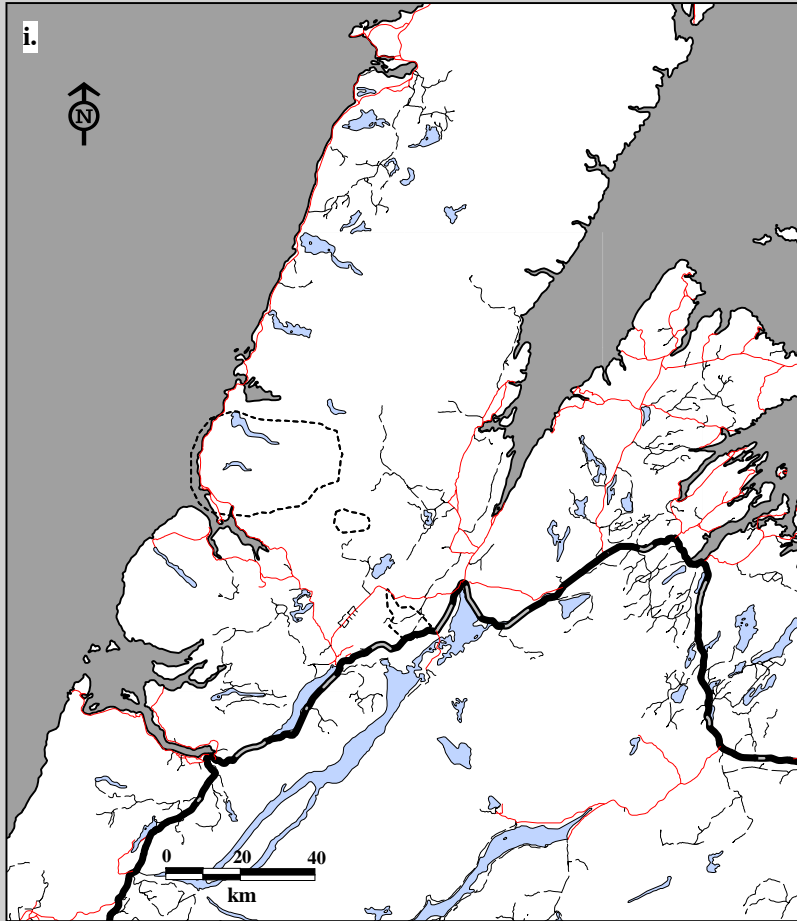


Fig. 8C-14. Gros Morne Caribou Herd radio telemetry locations for females, all ages, Aug. 20, 1992 to Nov. 27, 1997.  
 i. Fall home ranges using 75% harmonic mean    j. Fall home ranges using 95% minimum convex polygon.

**Age**

----- Adults (3+)

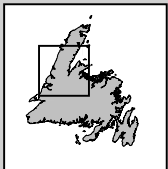
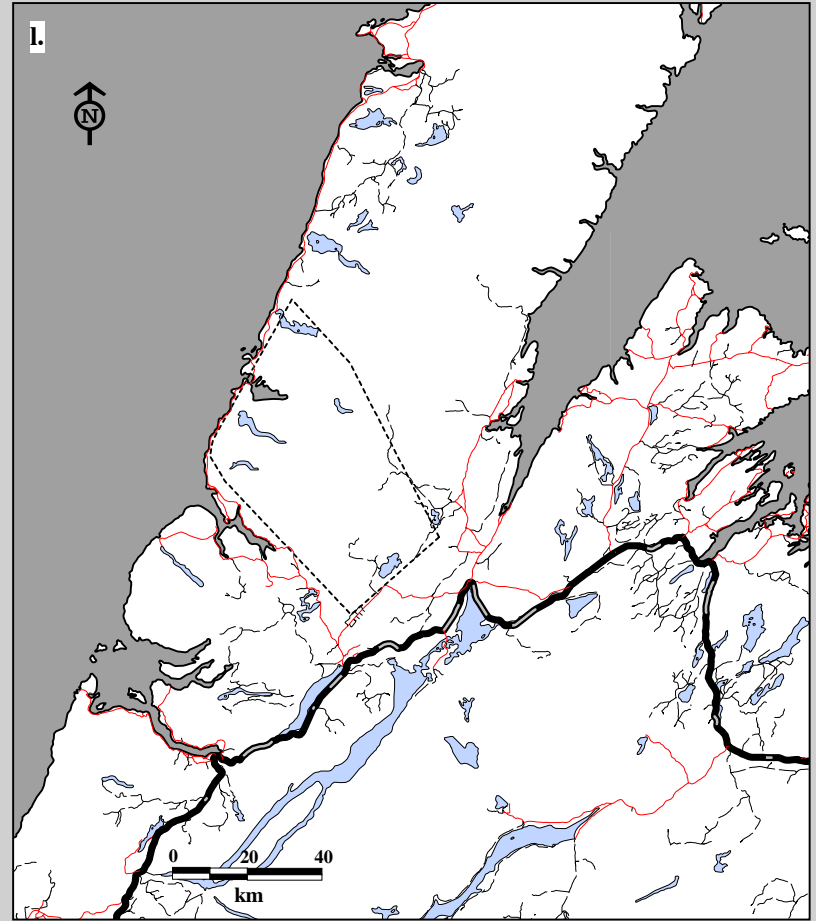
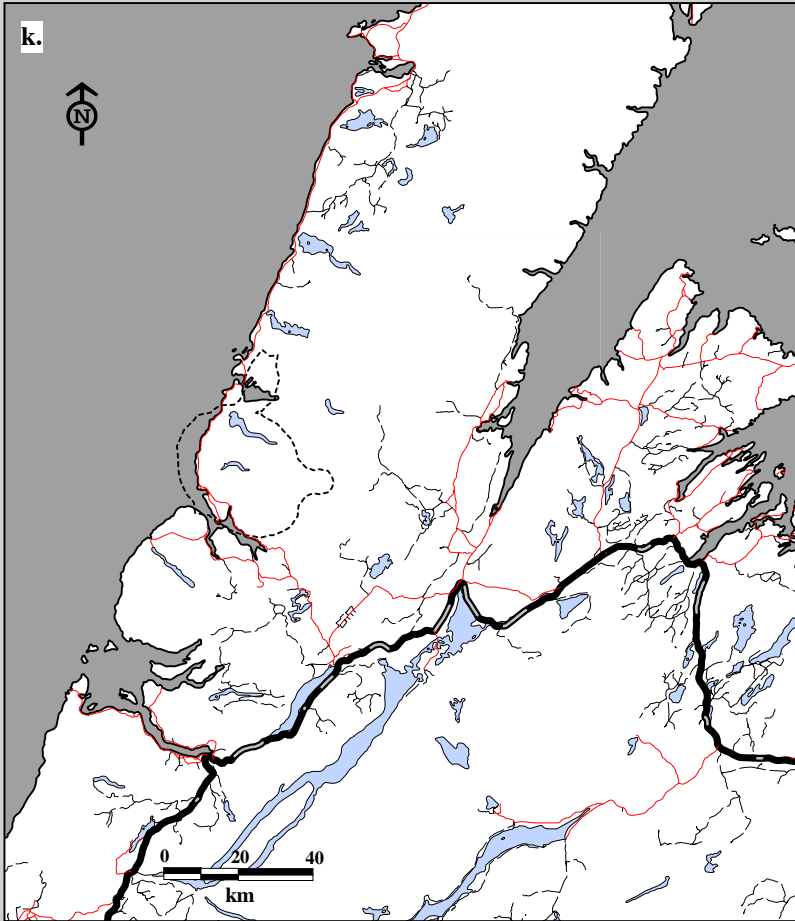


Fig. 8C-14. Gros Morne Caribou Herd radio telemetry locations for males, all ages, Aug. 20, 1992 to Nov. 27, 1997.  
 k. Fall home ranges using 75% harmonic mean    l. Fall home ranges using 95% minimum convex polygon.

**Age**

----- Adults (3+)

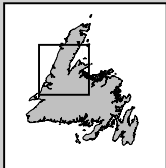
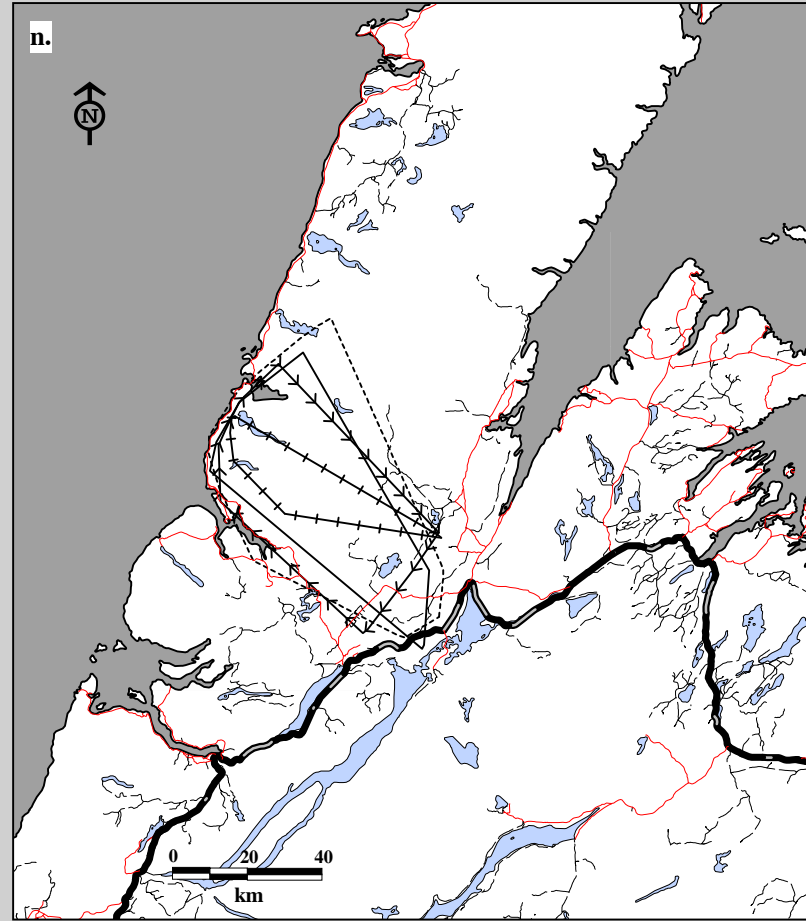
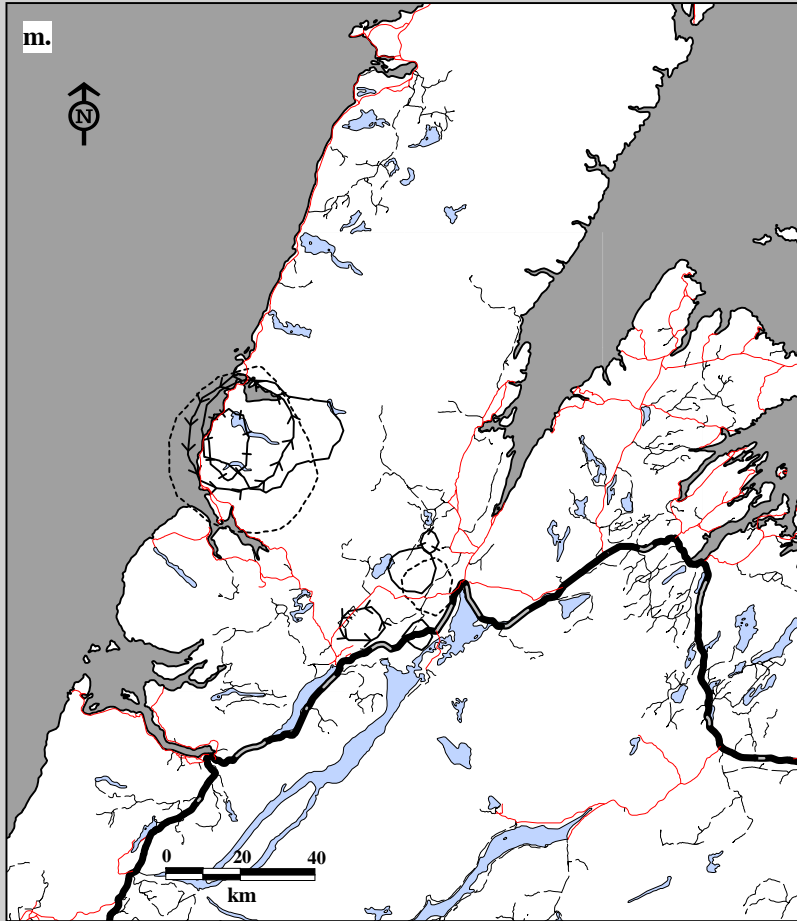
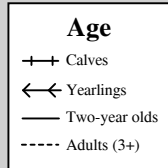


Fig. 8C-14. Gros Morne Caribou Herd radio telemetry locations for females, all ages, Aug. 20, 1992 to Nov. 27, 1997.  
 m. Winter home ranges using 75% harmonic mean    n. Winter home ranges using 95% minimum convex polygon.



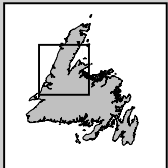
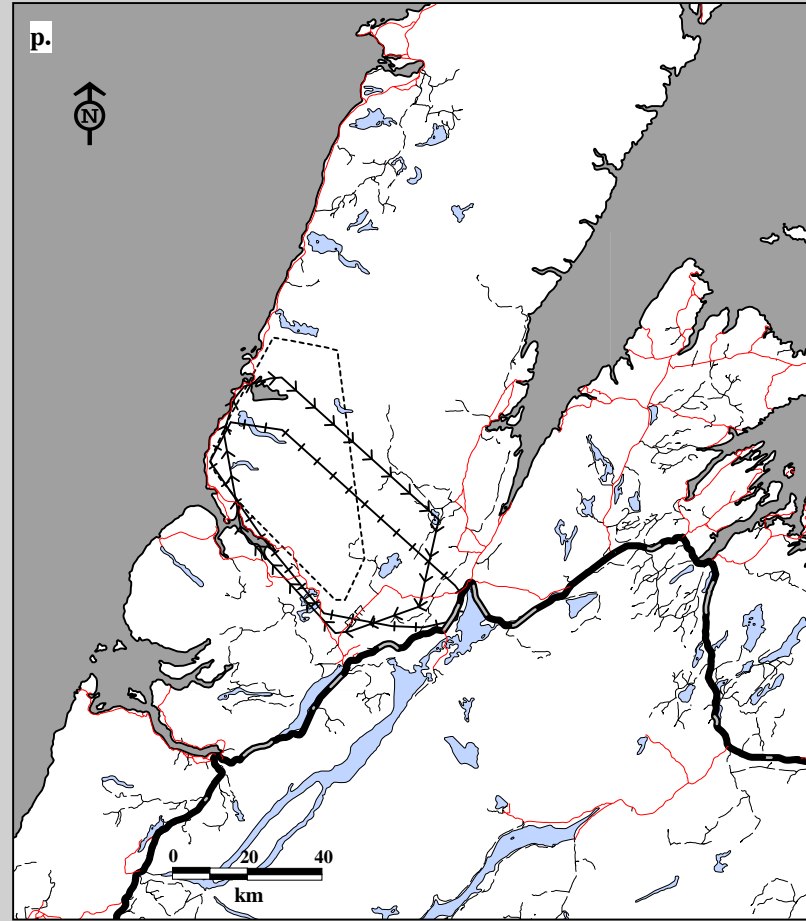
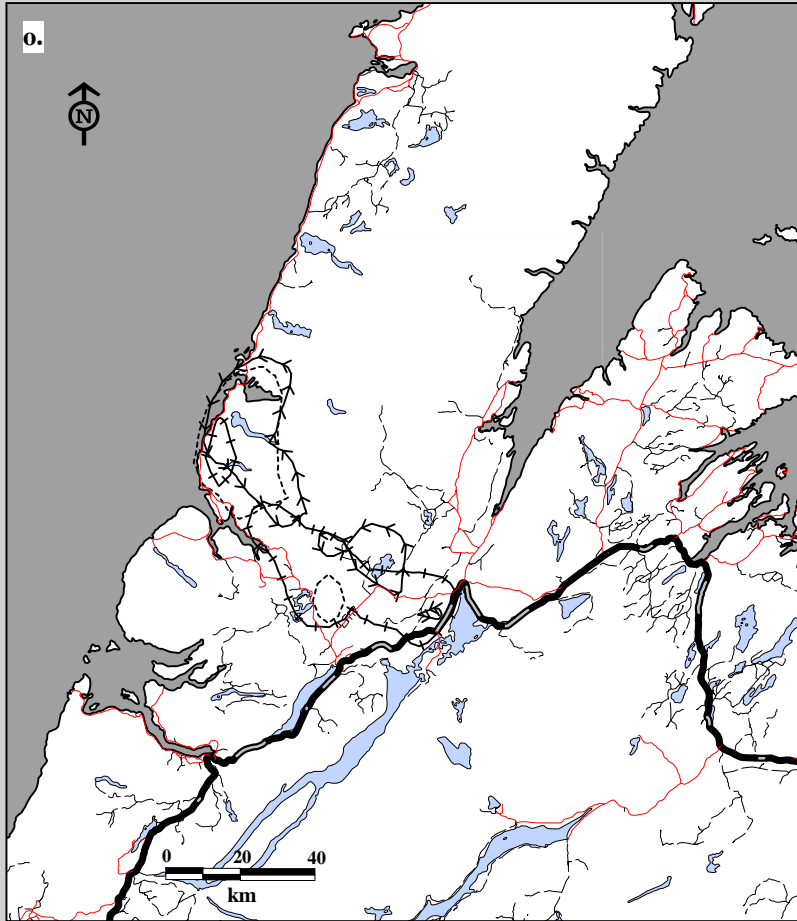
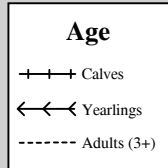


Fig. 8C-14. Gros Morne Caribou Herd radio telemetry locations for males, all ages, Aug. 20, 1992 to Nov. 27, 1997.  
 o. Winter home ranges using 75% harmonic mean    p. Winter home ranges using 95% minimum convex polygon.



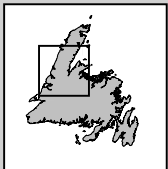
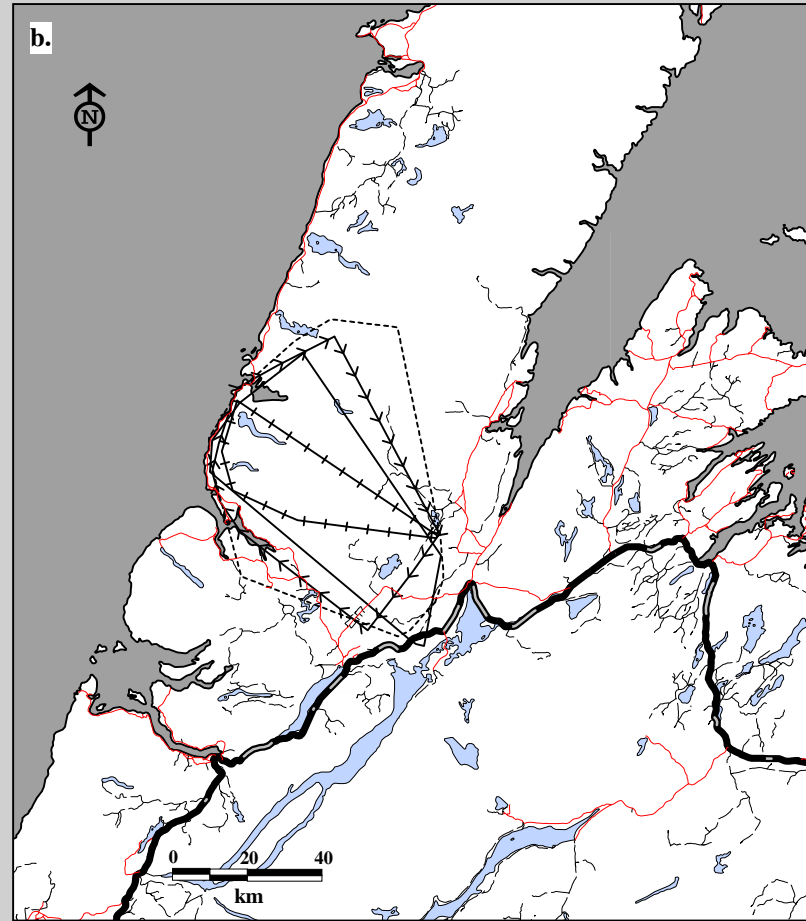
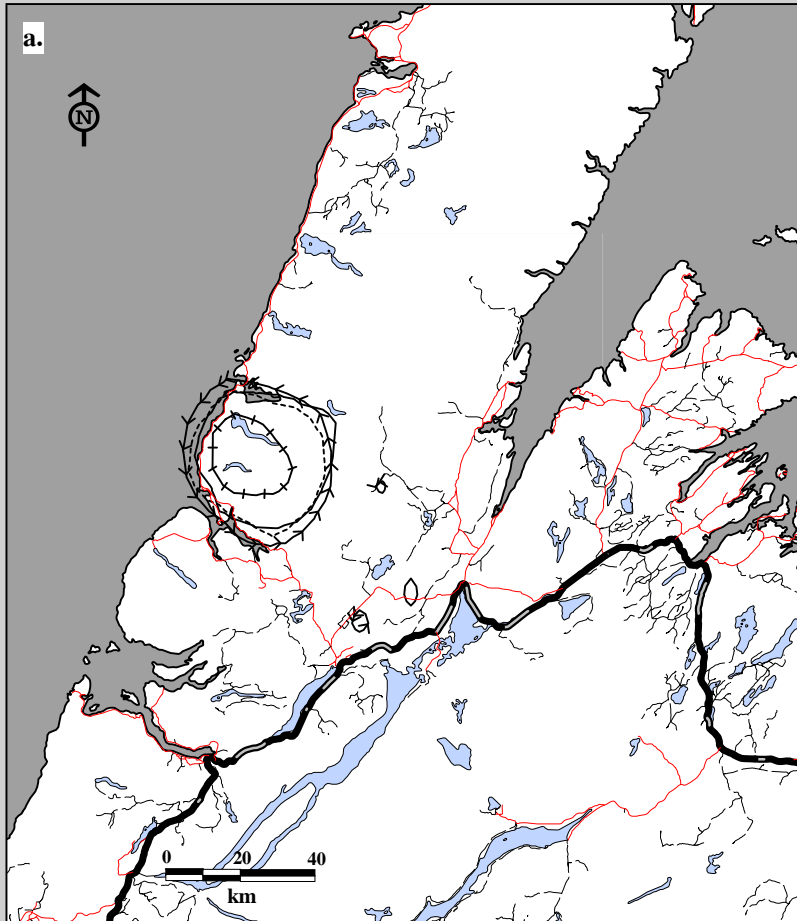
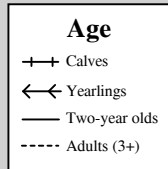


Fig. 8C-15. Gros Morne Caribou Herd radio telemetry locations for females, all ages, Aug. 20, 1992 to Nov. 27, 1997.  
 a. Home ranges using 75% harmonic mean    b. Home ranges using 95% minimum convex polygon.





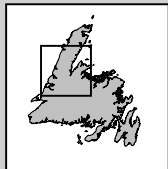
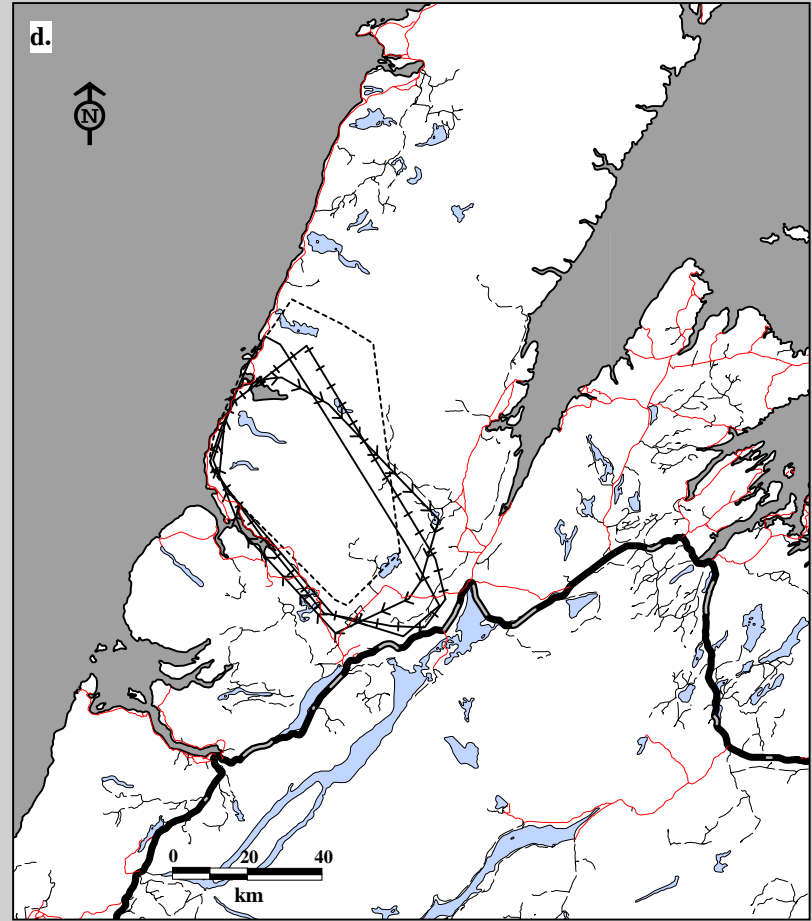
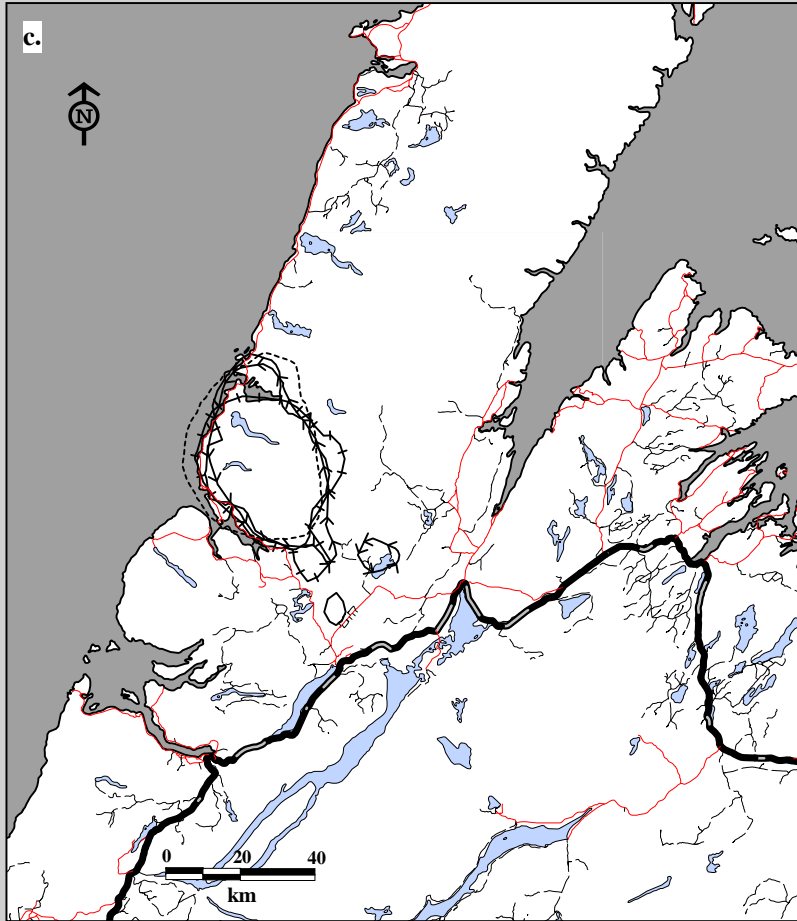
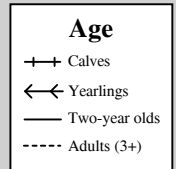


Fig. 8C-15. Gros Morne Caribou Herd radio telemetry locations for males, all ages, Aug. 20, 1992 to Nov. 27, 1997.  
 c. Home ranges using 75% harmonic mean    d. Home ranges using 95% minimum convex polygon.





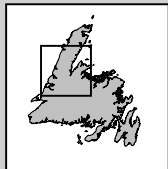
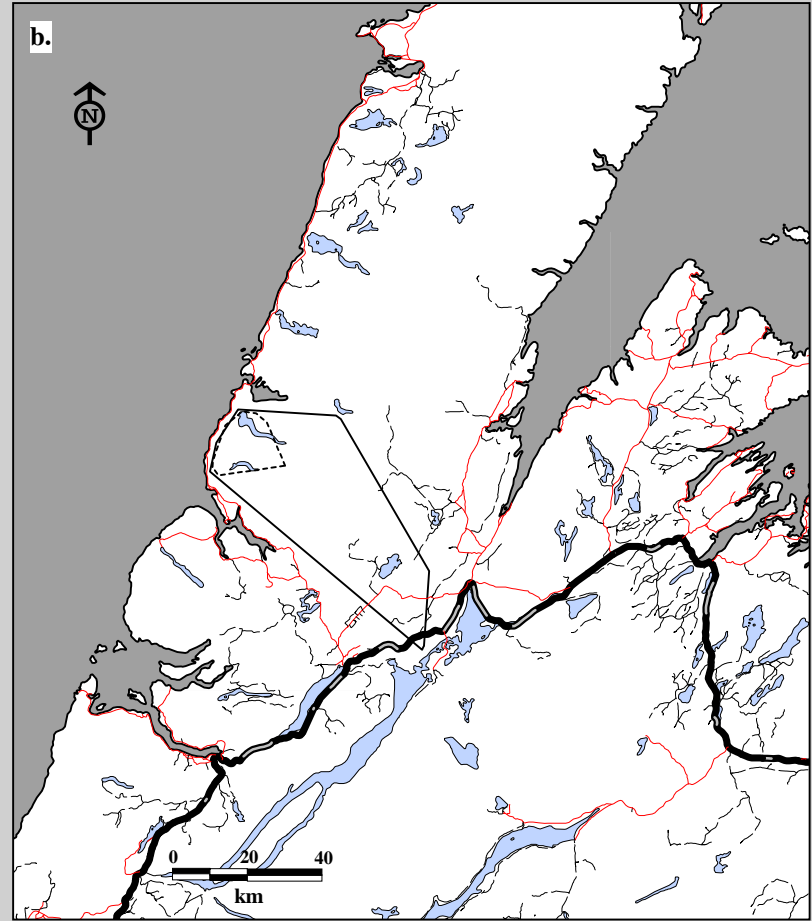
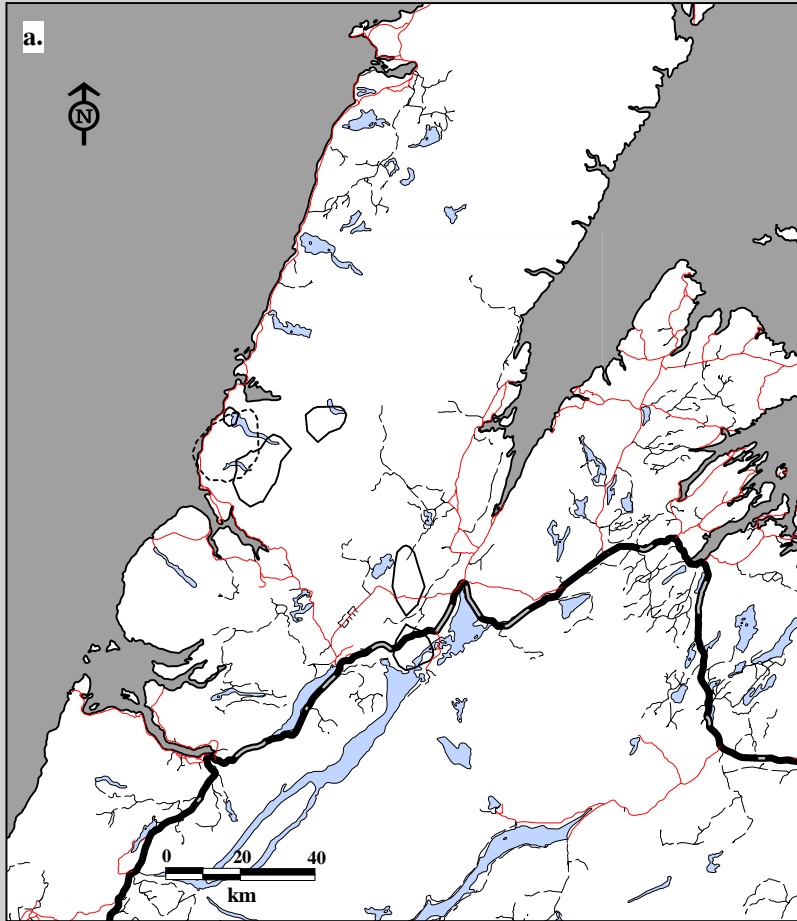
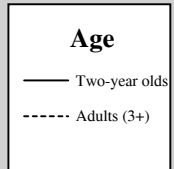


Fig. 8C-16. Gros Morne Caribou Herd radio telemetry locations for females, all ages, May 1, 1995 to April 30, 1996.  
 a. Winter home ranges using 75% harmonic mean    b. Winter home ranges using 95% minimum convex polygon.



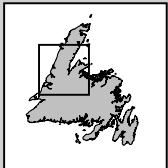
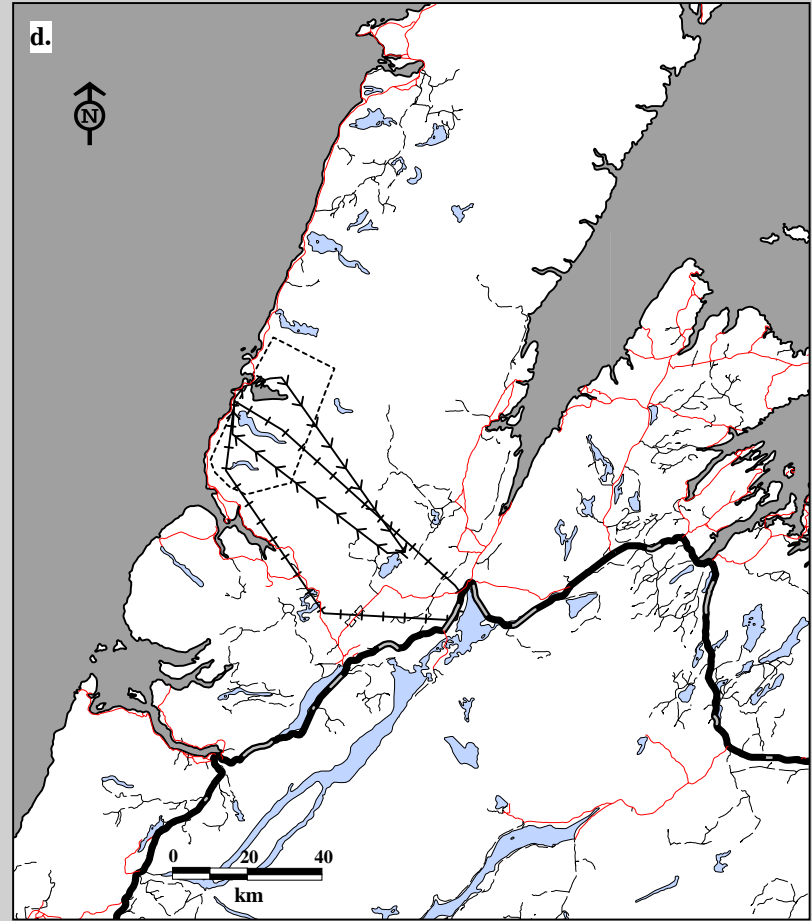
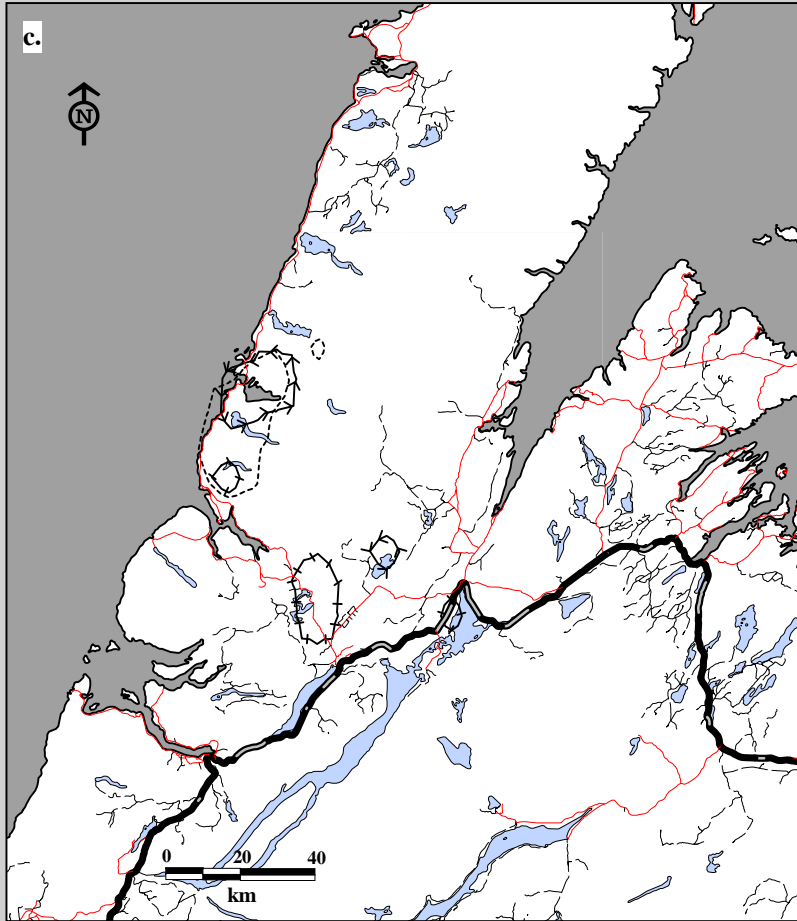


Fig. 8C-16. Gros Morne Caribou Herd radio telemetry locations for males, all ages, May 1, 1995 to April 30, 1996.  
 c. Winter home ranges using 75% harmonic mean    d. Winter home ranges using 95% minimum convex polygon.

**Age**

- +— Calves
- ←←← Yearlings
- Adults (3+)

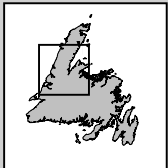
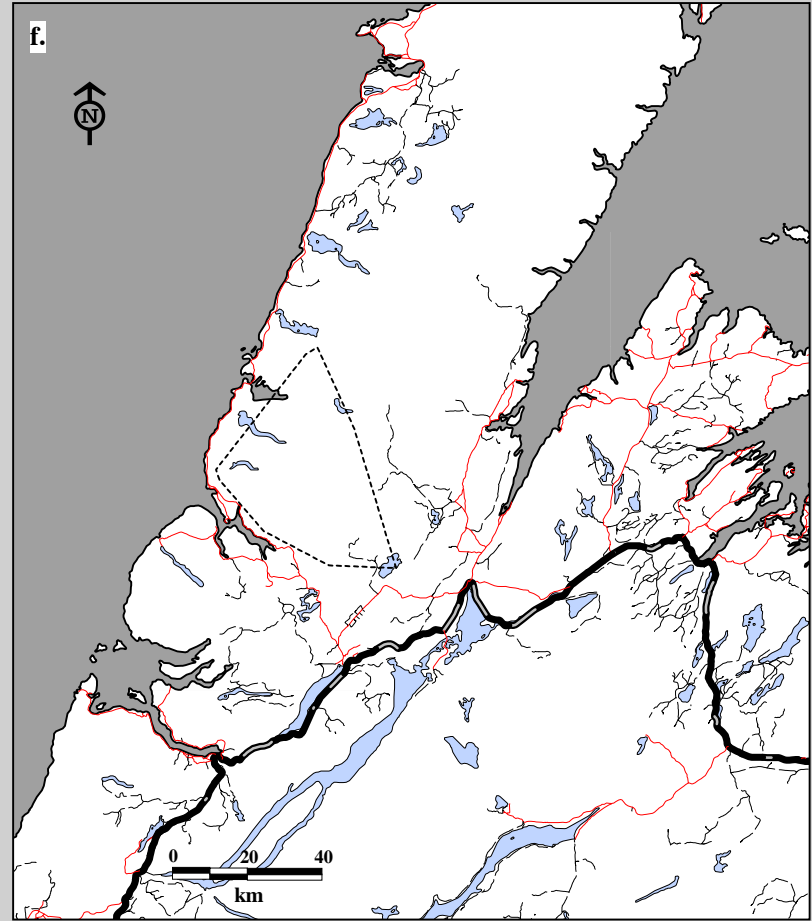
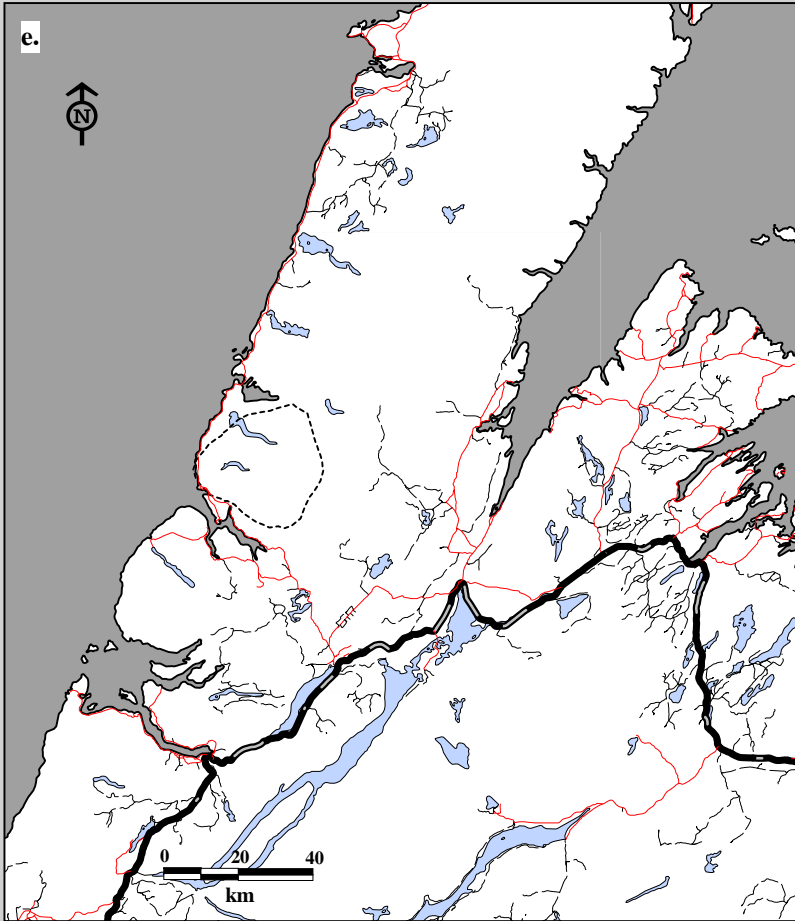
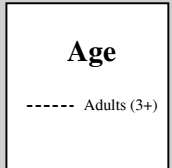


Fig. 8C-16. Gros Morne Caribou Herd radio telemetry locations for females, all ages, May 1, 1997 to Nov 27, 1997.  
 e. Spring home ranges using 75% harmonic mean    f. Spring home ranges using 95% minimum convex polygon.



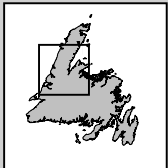
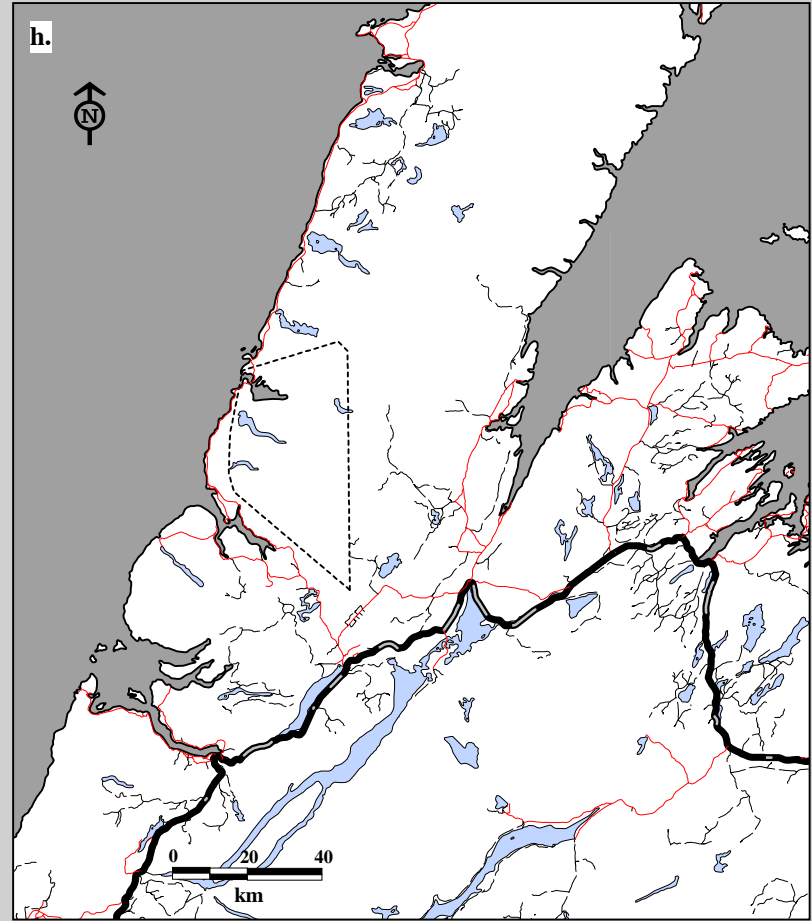
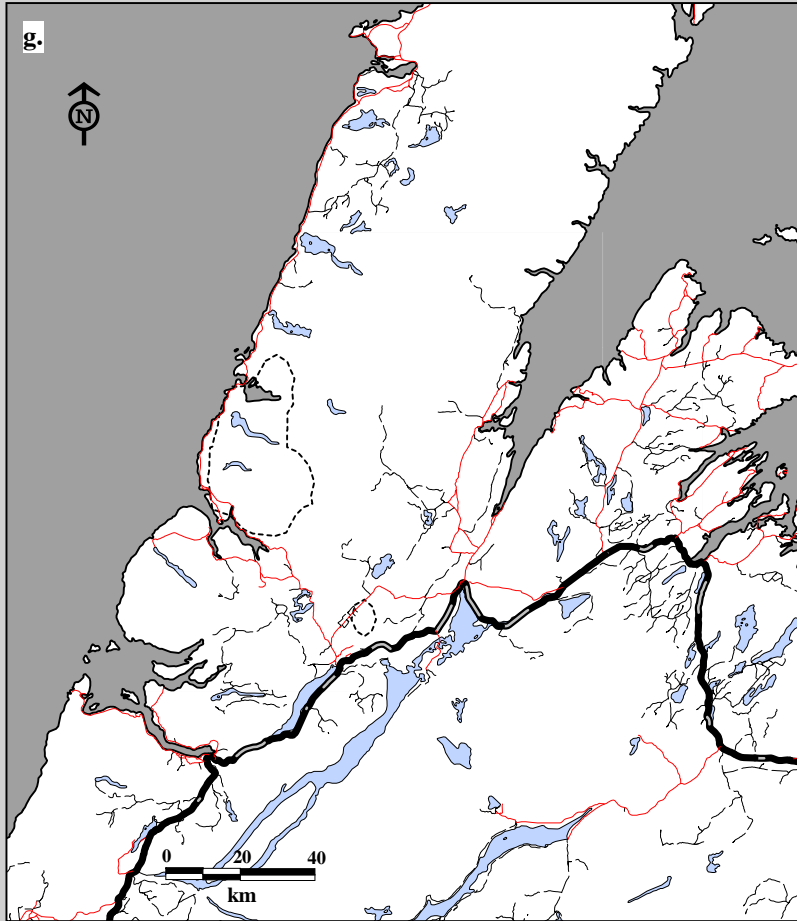
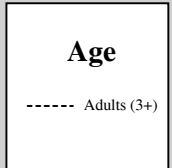


Fig. 8C-16. Gros Morne Caribou Herd radio telemetry locations for males, all ages, May 1, 1997 to Nov 27, 1997.  
 g. Spring home ranges using 75% harmonic mean    h. Spring home ranges using 95% minimum convex polygon.



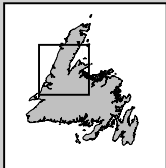
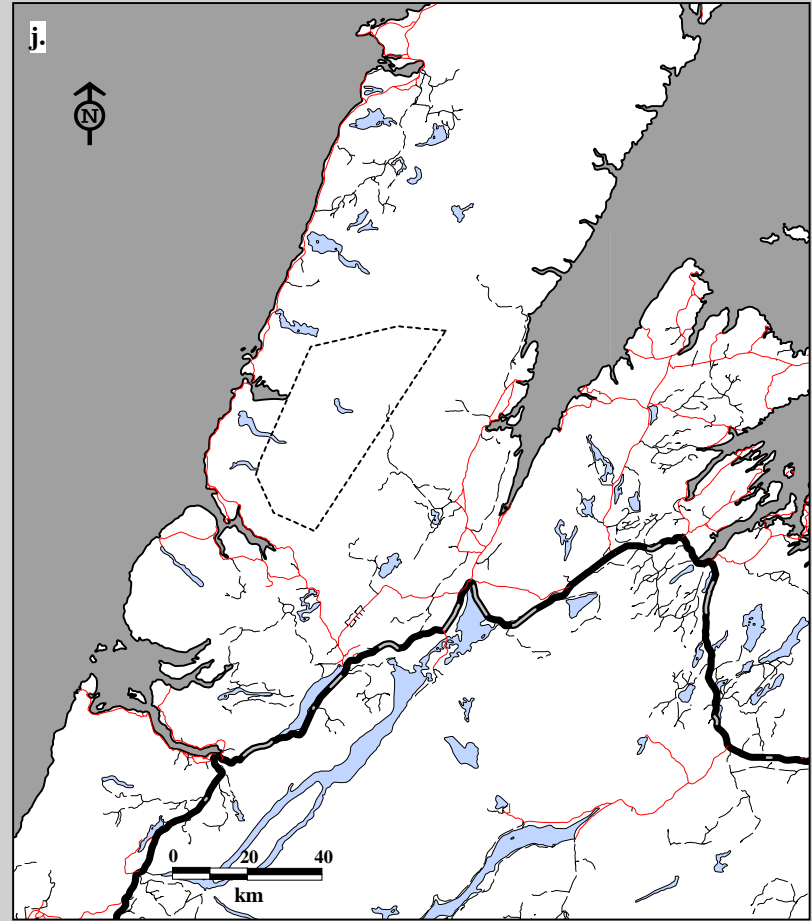
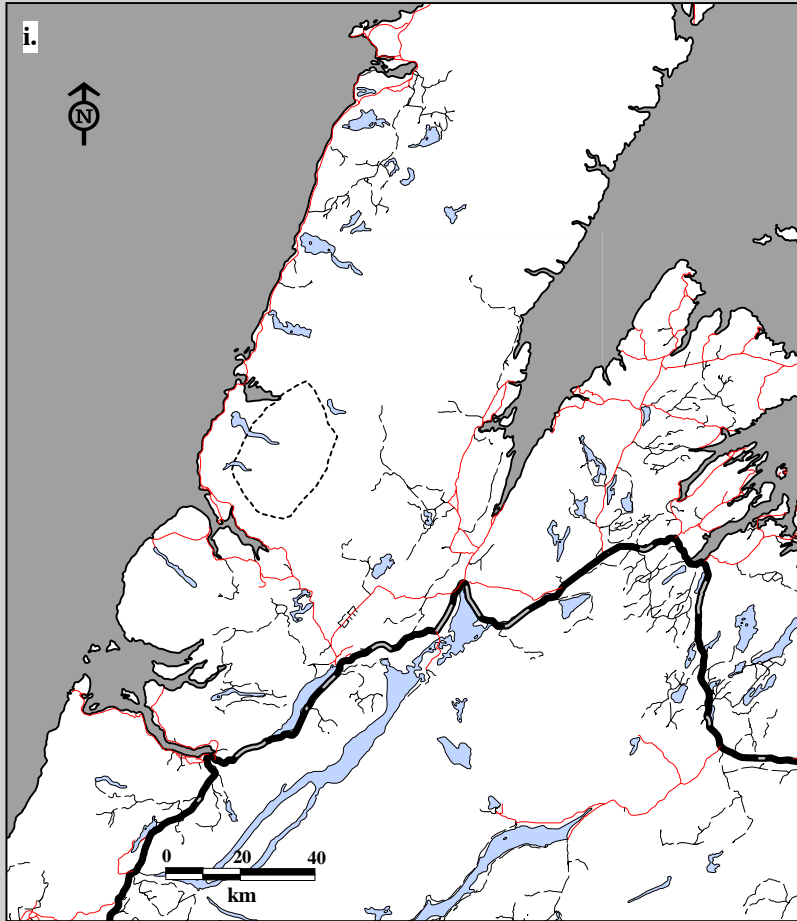


Fig. 8C-16. Gros Morne Caribou Herd radio telemetry locations for females, all ages, May 1, 1997 to Nov 27, 1997.  
 i. Summer home ranges using 75% harmonic mean    j. Summer home ranges using 95% minimum convex polygon.

**Age**

----- Adults (3+)

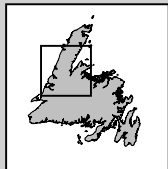
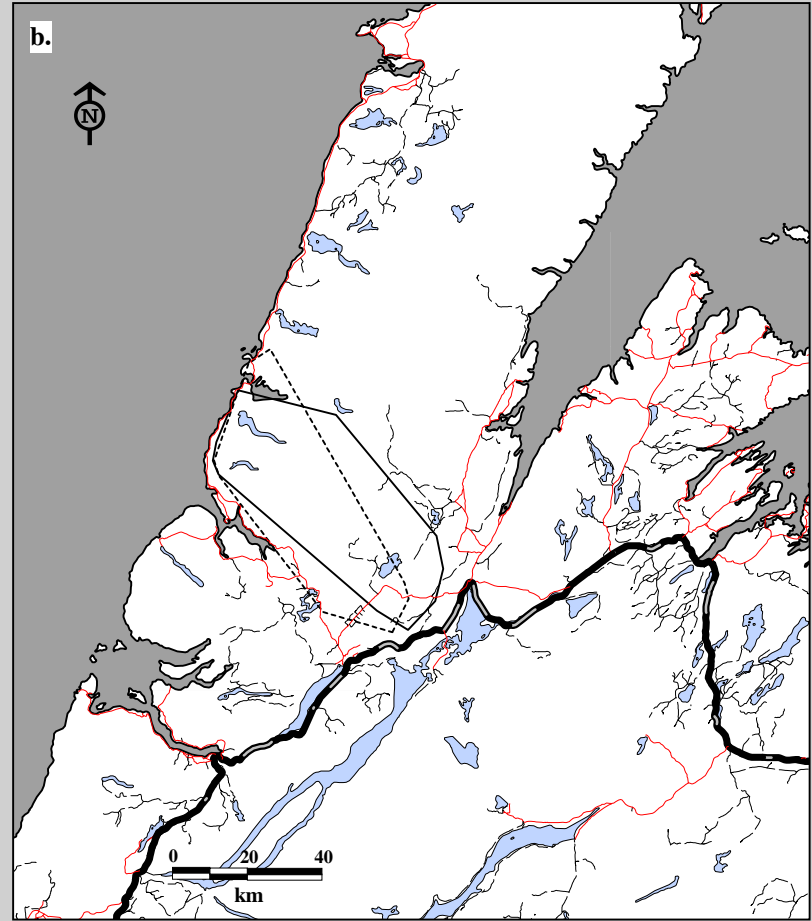
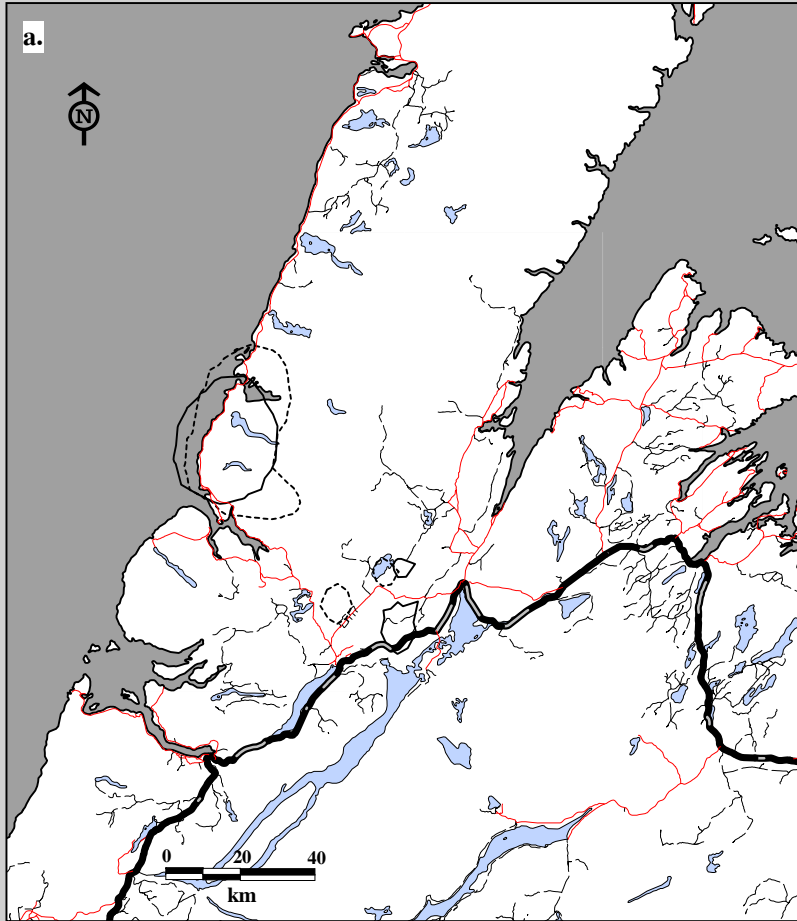
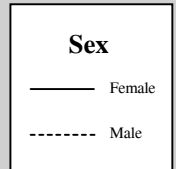


Fig. 8C-17. Gros Morne Caribou Herd radio telemetry locations by sex, ages combined for January, 1992-97.  
 a. Home ranges using 75% harmonic mean    b. Home ranges using 95% minimum convex polygon.



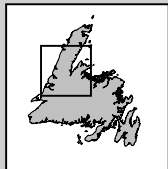
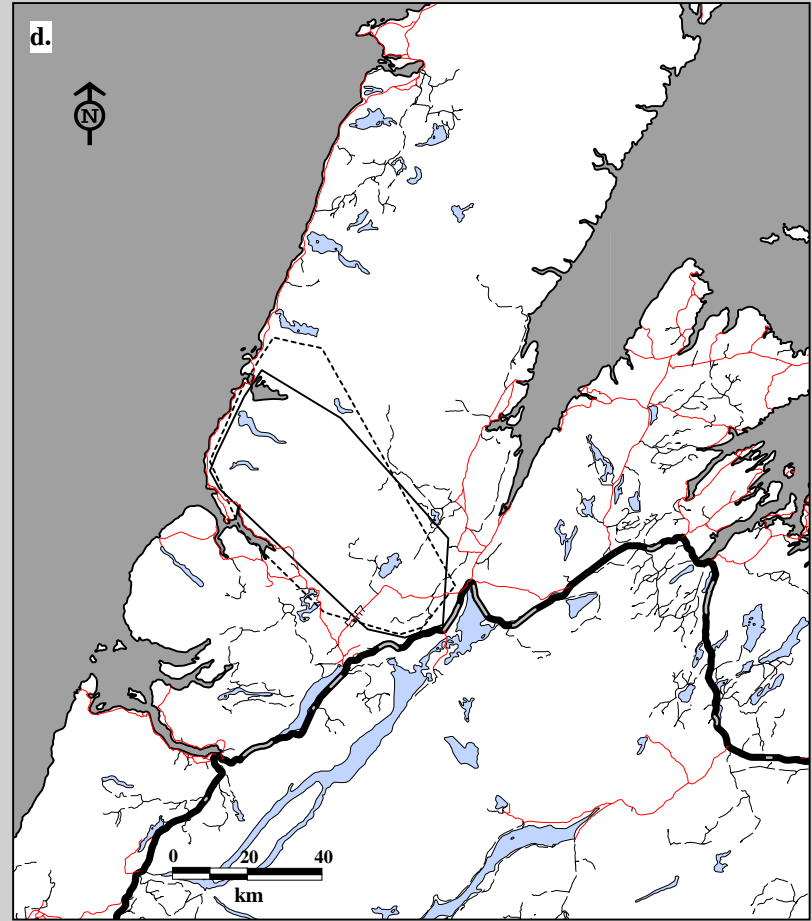
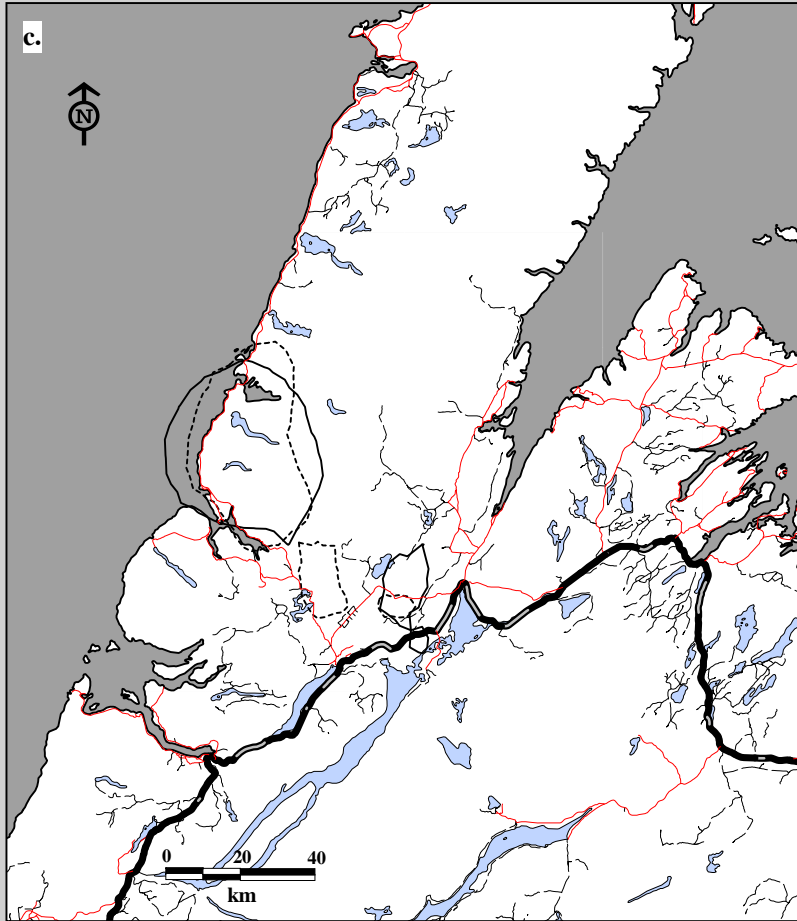
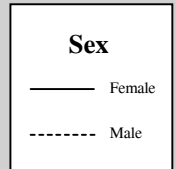


Fig. 8C-17. Gros Morne Caribou Herd radio telemetry locations by sex, ages combined for February, 1992-97.  
 c. Home ranges using 75% harmonic mean d. Home ranges using 95% minimum convex polygon.





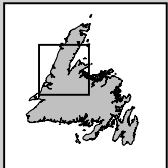
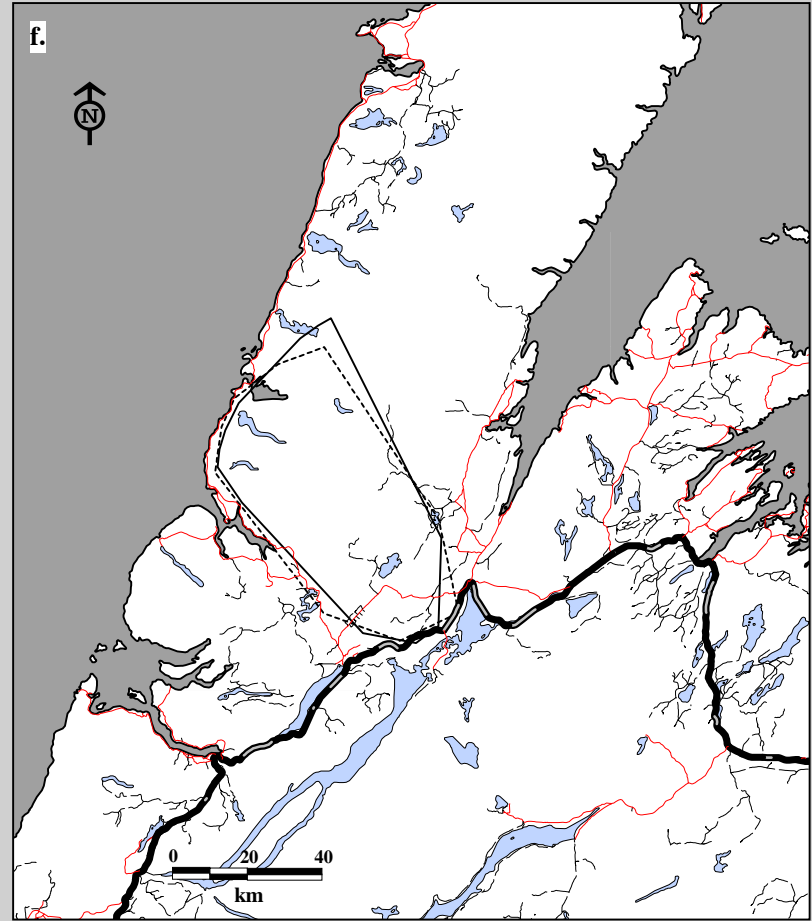
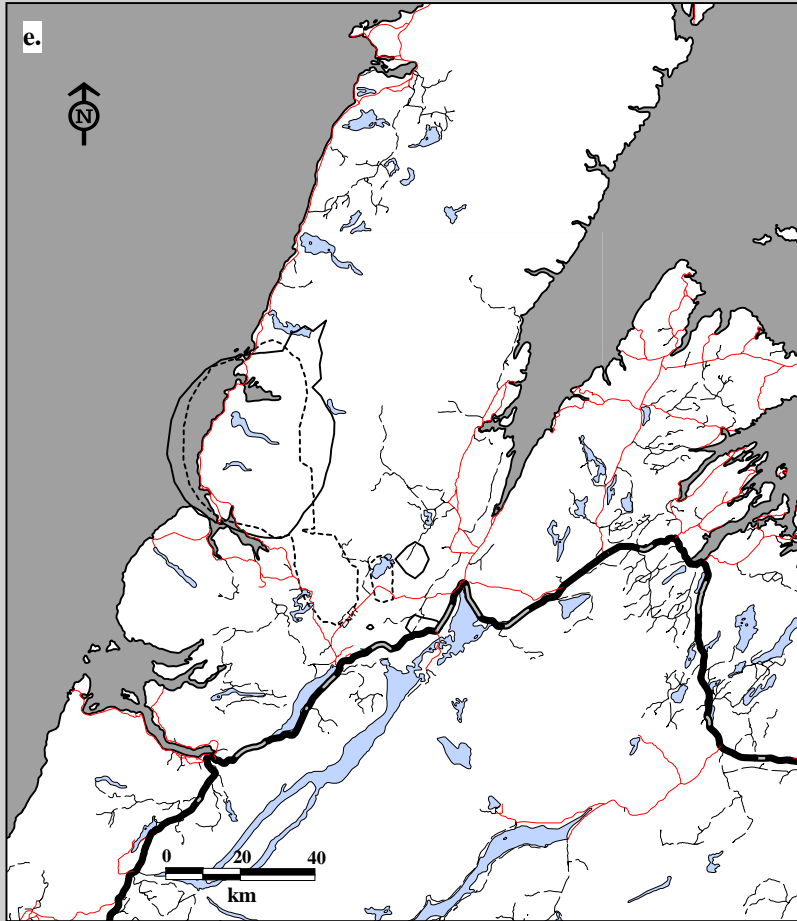
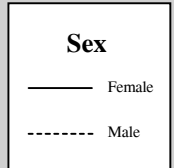


Fig. 8C-17. Gros Morne Caribou Herd radio telemetry locations by sex, ages combined for March, 1992-97.  
 e. Home ranges using 75% harmonic mean    f. Home ranges using 95% minimum convex polygon.





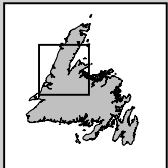
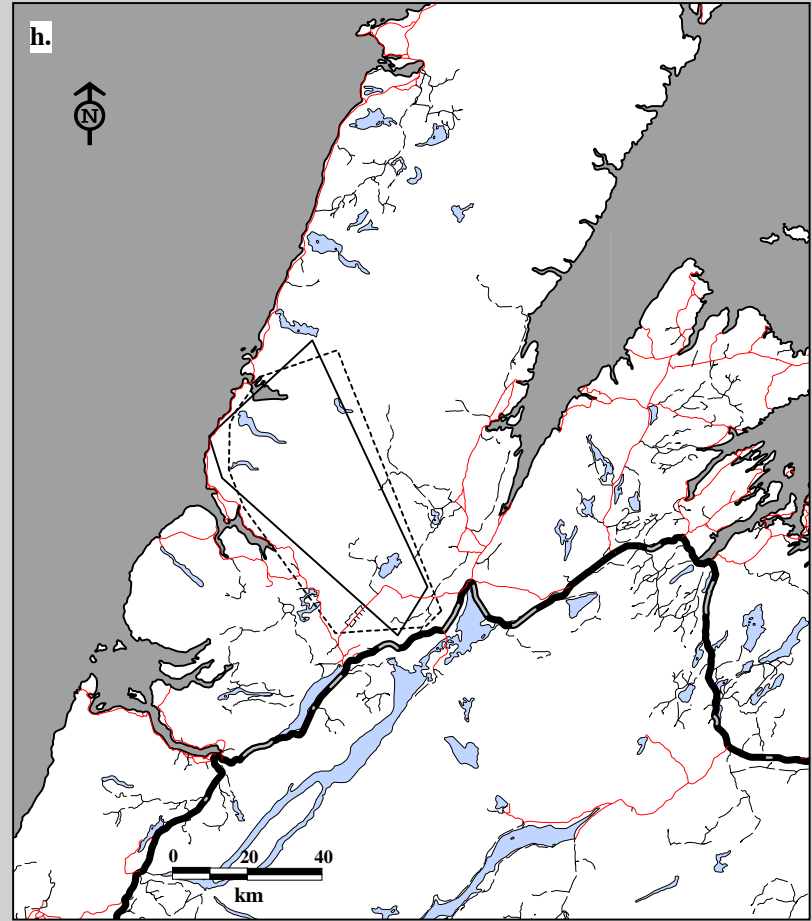
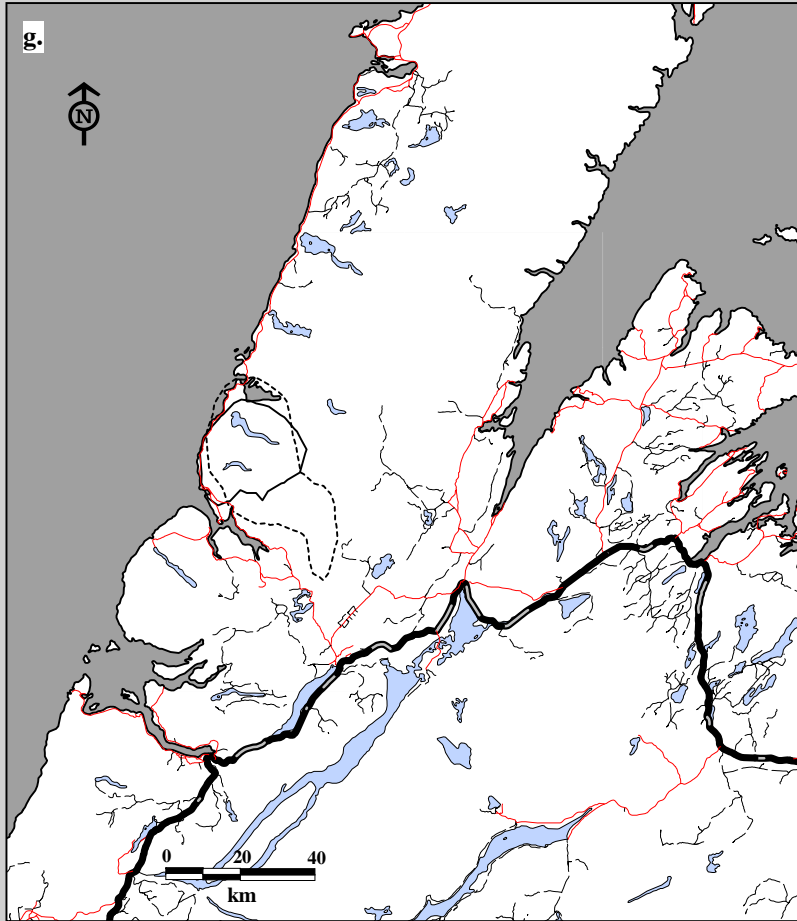
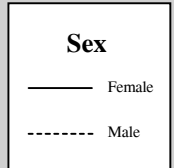


Fig. 8C-17. Gros Morne Caribou Herd radio telemetry locations by sex, ages combined for April, 1992-97.  
 g. Home ranges using 75% harmonic mean    h. Home ranges using 95% minimum convex polygon.



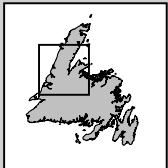
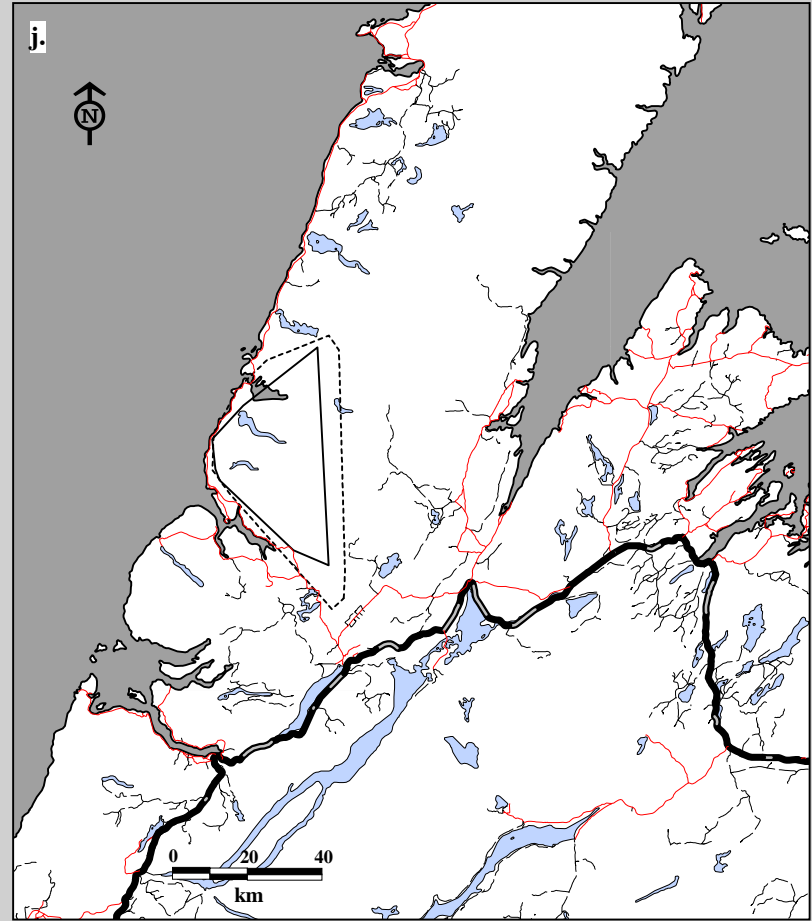
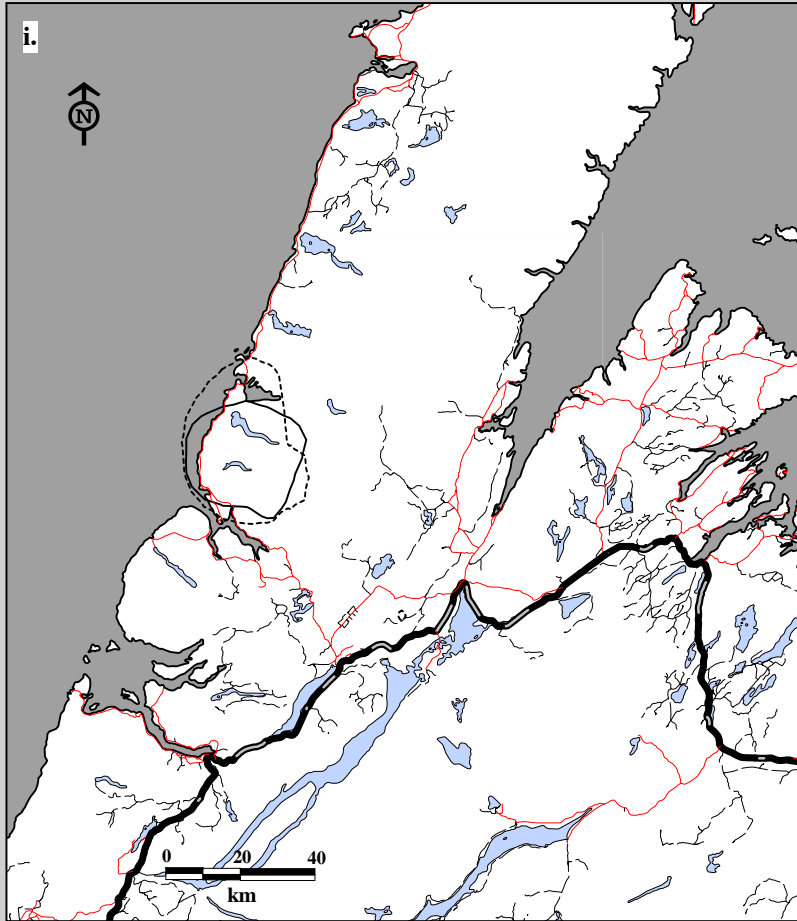
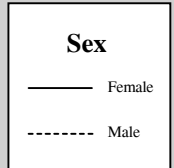


Fig. 8C-17. Gros Morne Caribou Herd radio telemetry locations by sex, ages combined for May, 1992-97.  
 i. Home ranges using 75% harmonic mean    j. Home ranges using 95% minimum convex polygon.



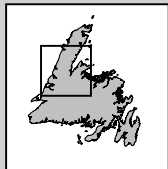
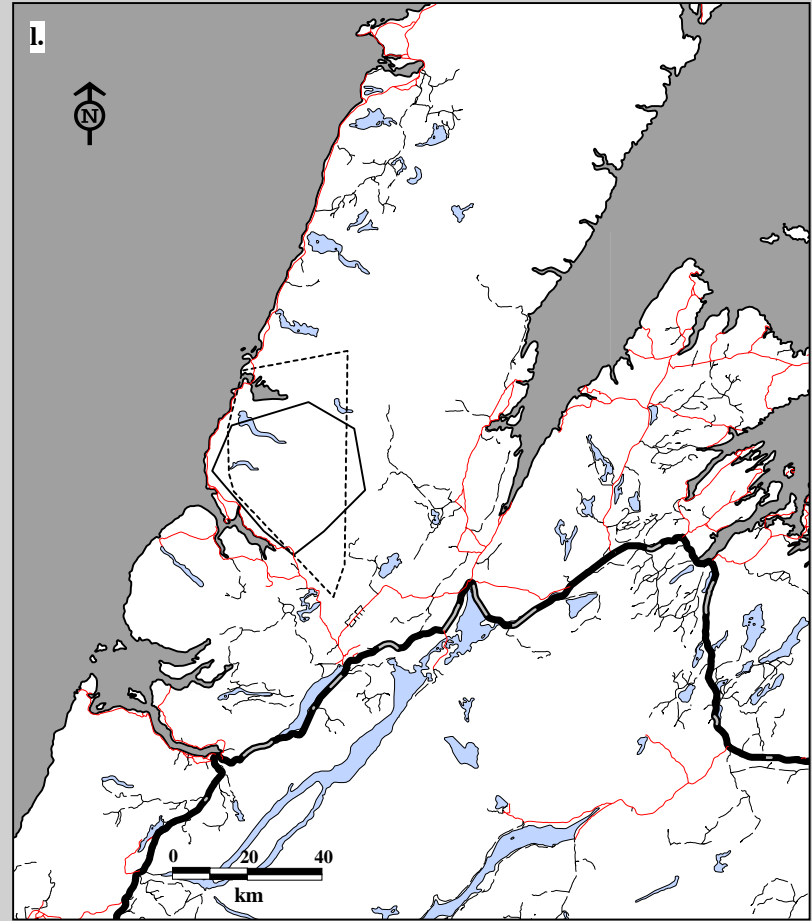
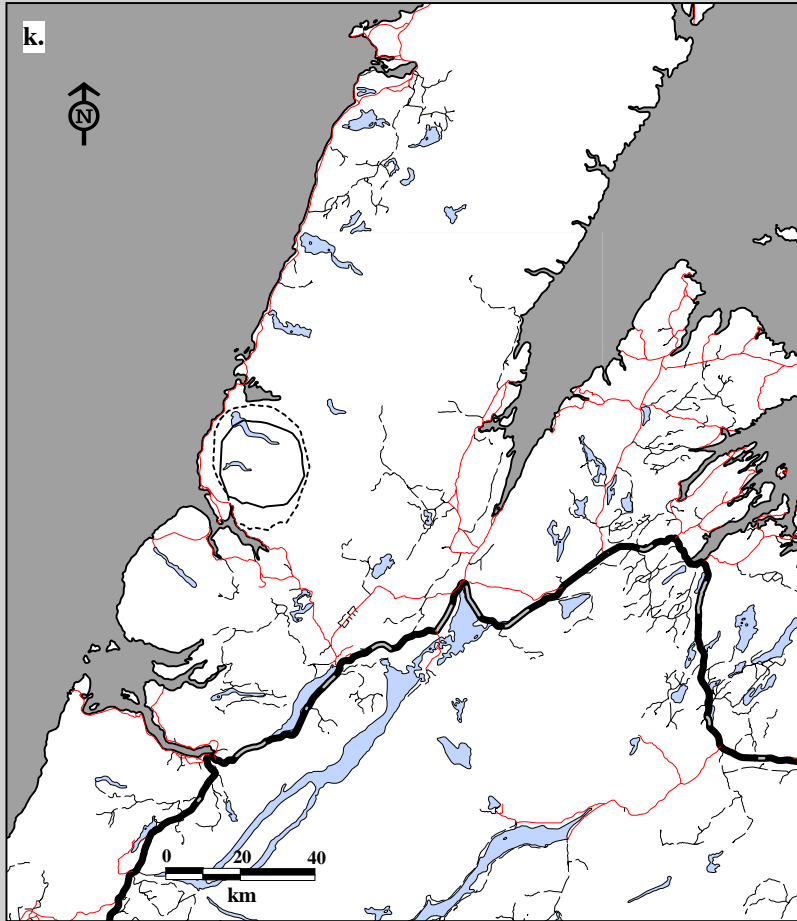
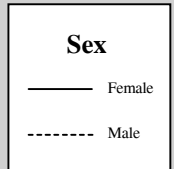


Fig. 8C-17. Gros Morne Caribou Herd radio telemetry locations by sex, ages combined for June, 1992-97.  
 k. Home ranges using 75% harmonic mean    l. Home ranges using 95% minimum convex polygon.



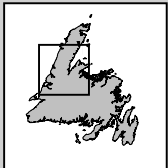
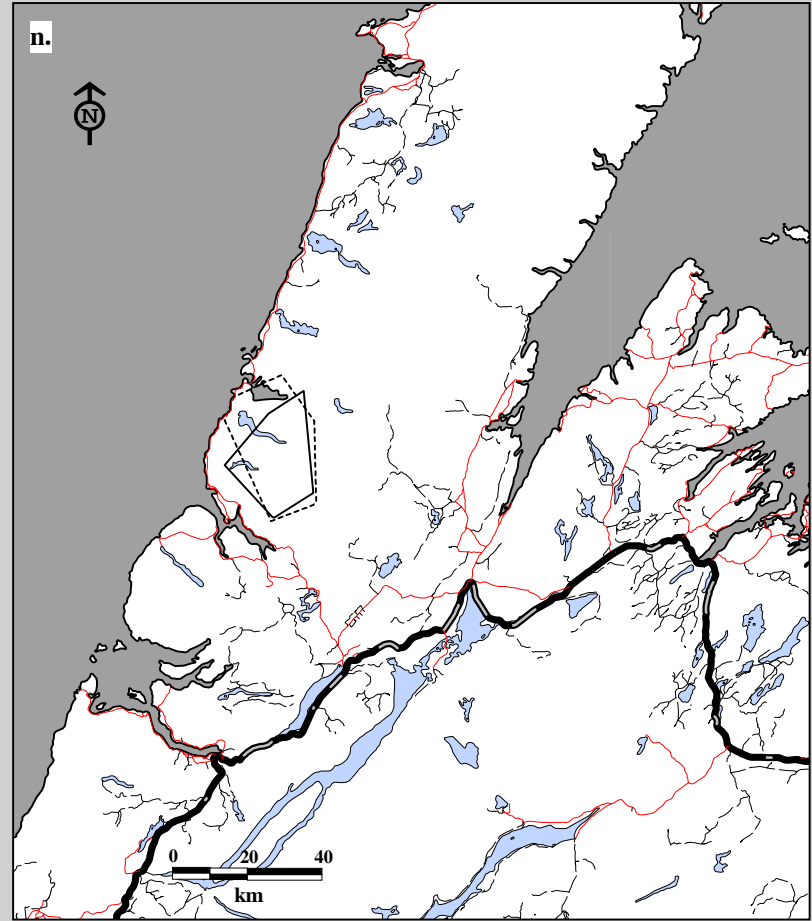
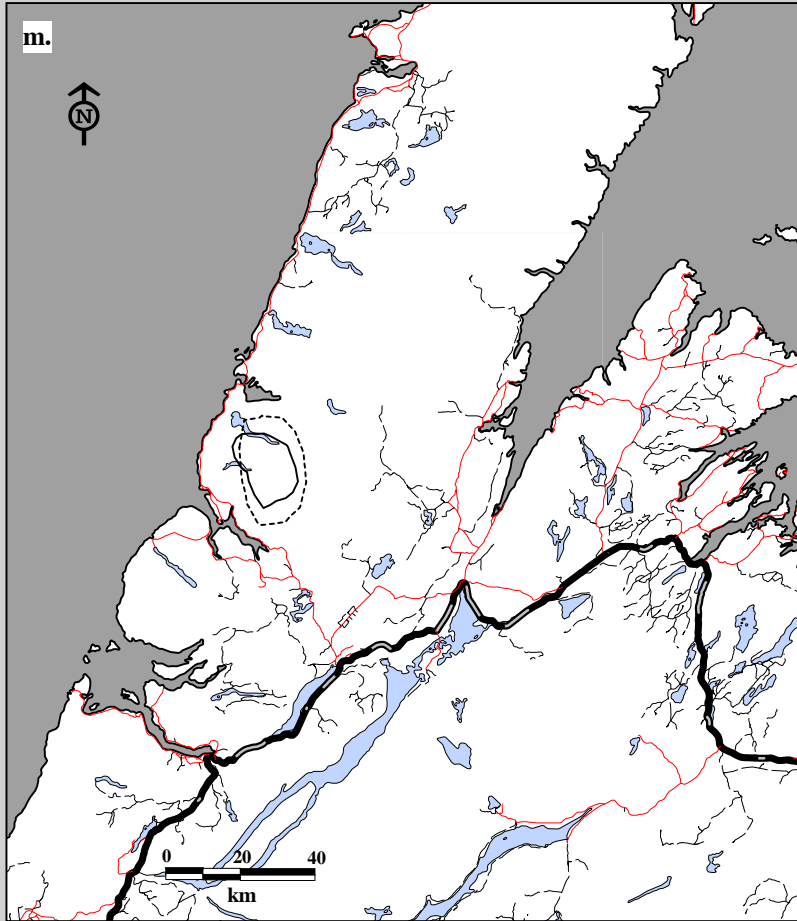
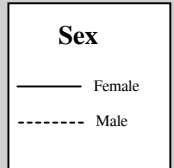


Fig. 8C-17. Gros Morne Caribou Herd radio telemetry locations by sex, ages combined for July, 1992-97.  
 m. Home ranges using 75% harmonic mean    n. Home ranges using 95% minimum convex polygon.



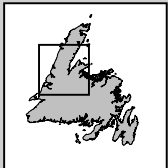
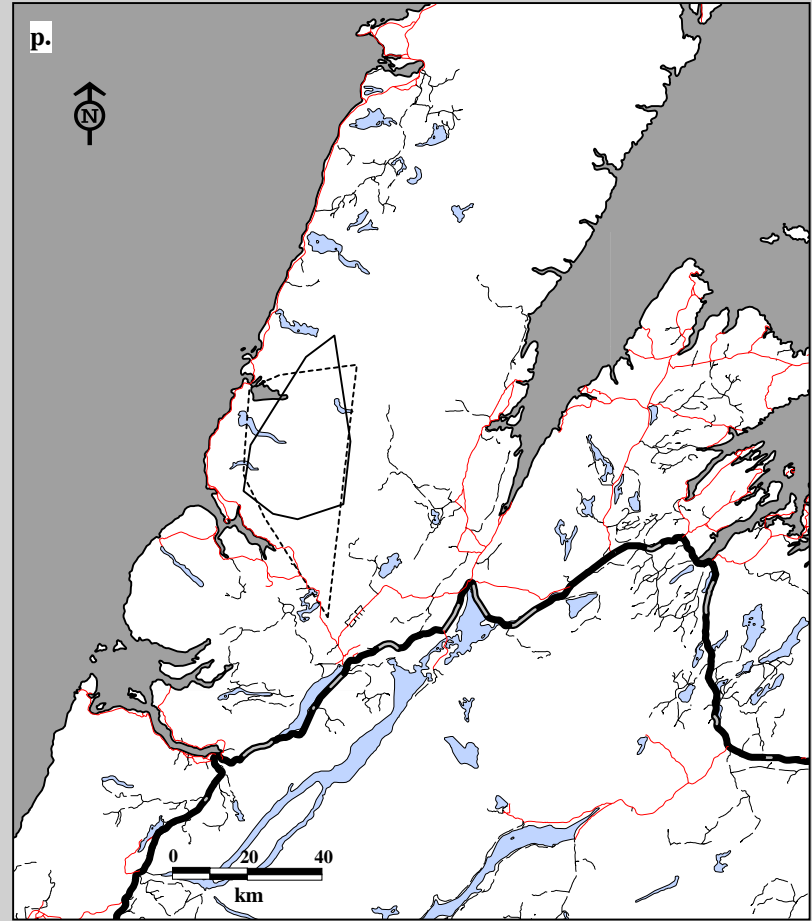
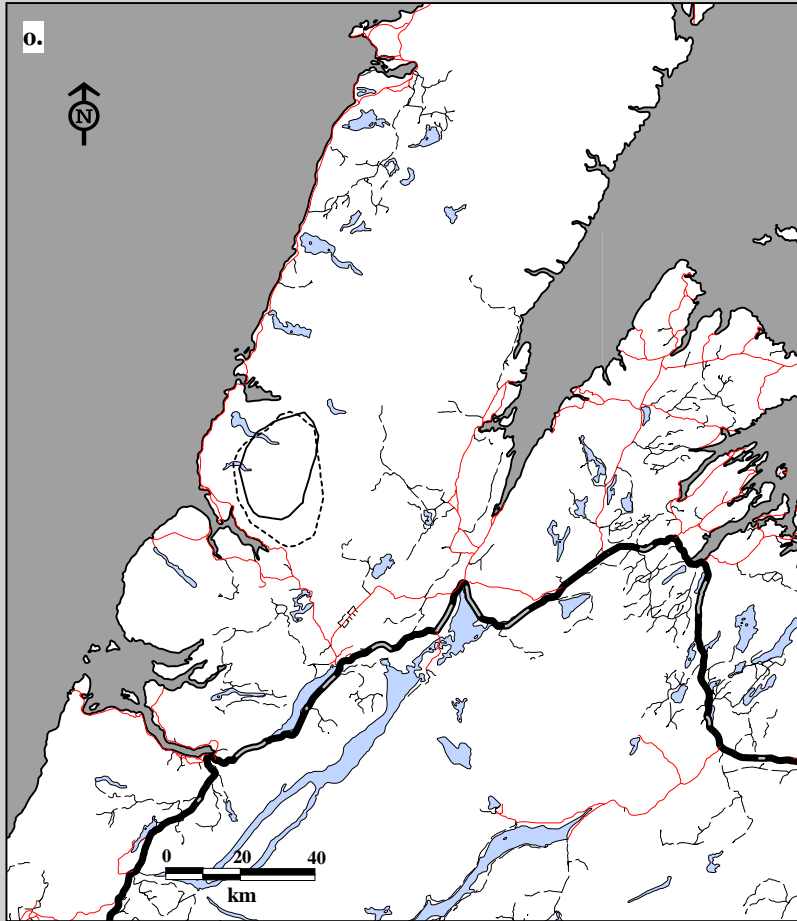
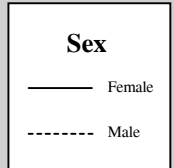


Fig. 8C-17. Gros Morne Caribou Herd radio telemetry locations by sex, ages combined for August, 1992-97.  
 o. Home ranges using 75% harmonic mean    p. Home ranges using 95% minimum convex polygon.



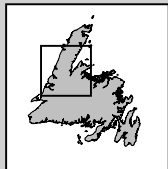
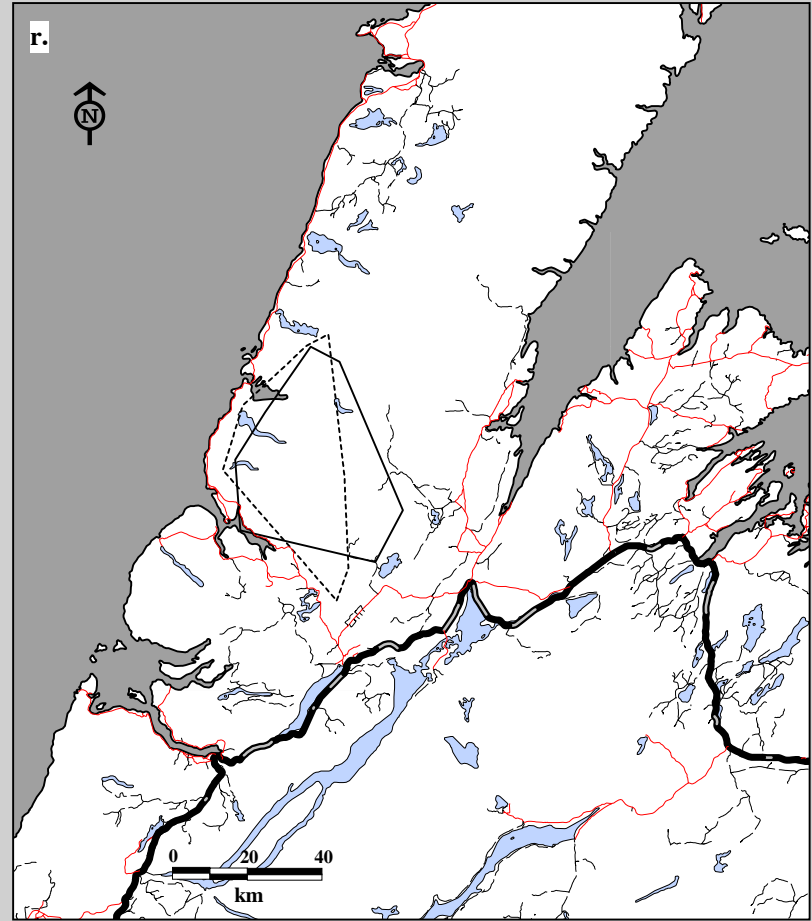
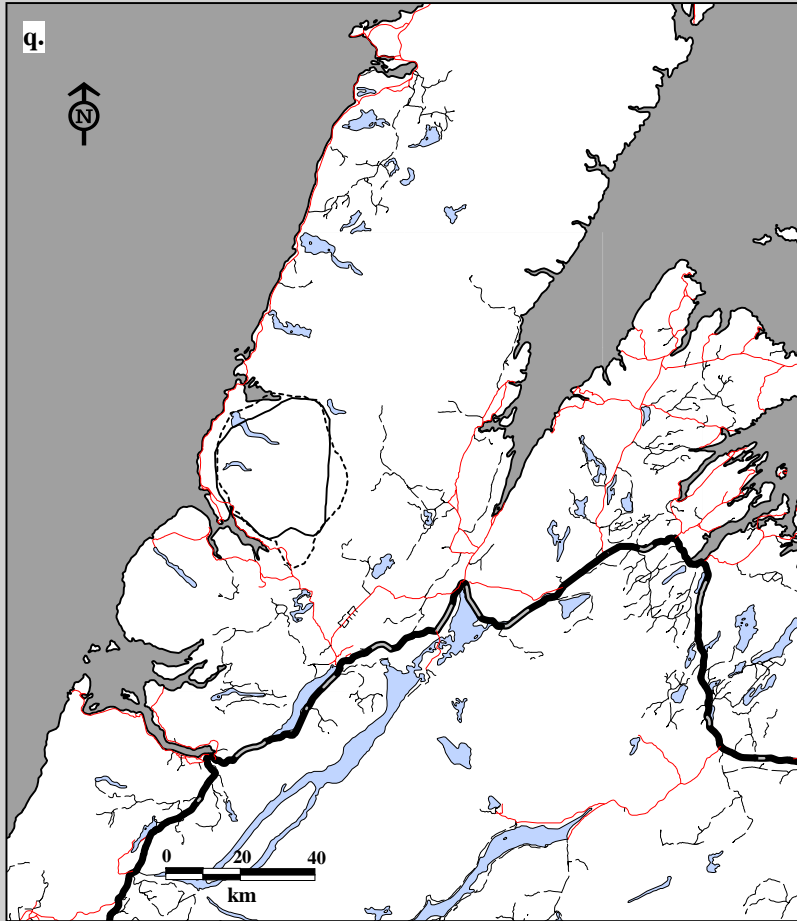
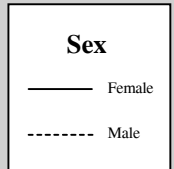


Fig. 8C-17. Gros Morne Caribou Herd radio telemetry locations by sex, ages combined for September, 1992-97.  
 q. Home ranges using 75% harmonic mean    r. Home ranges using 95% minimum convex polygon.



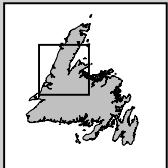
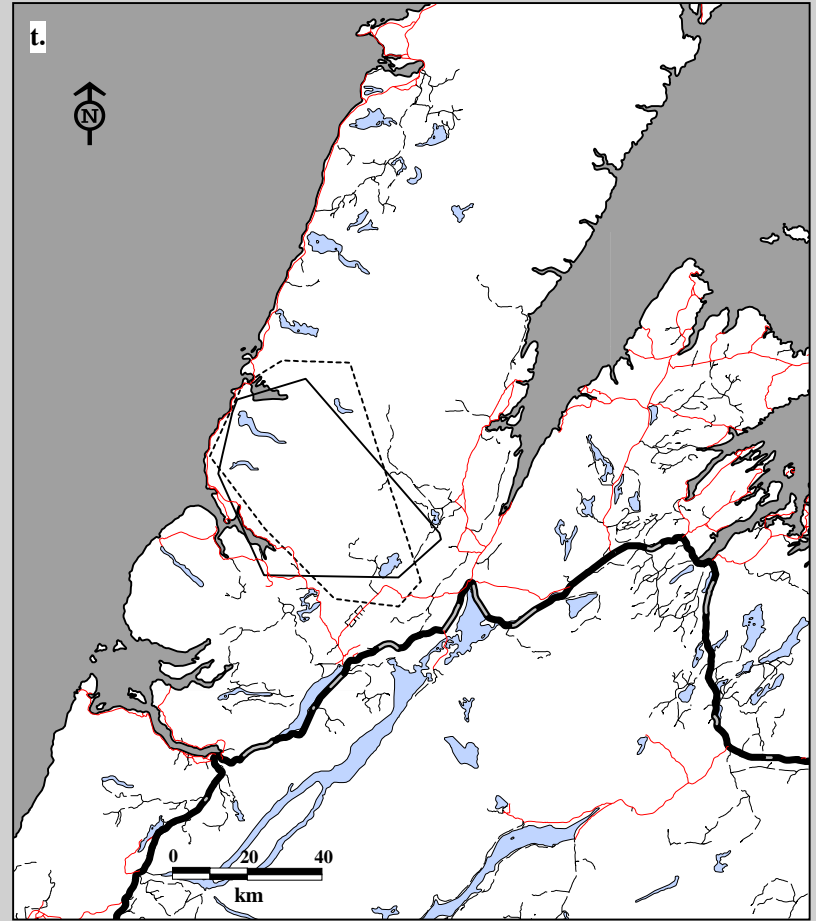
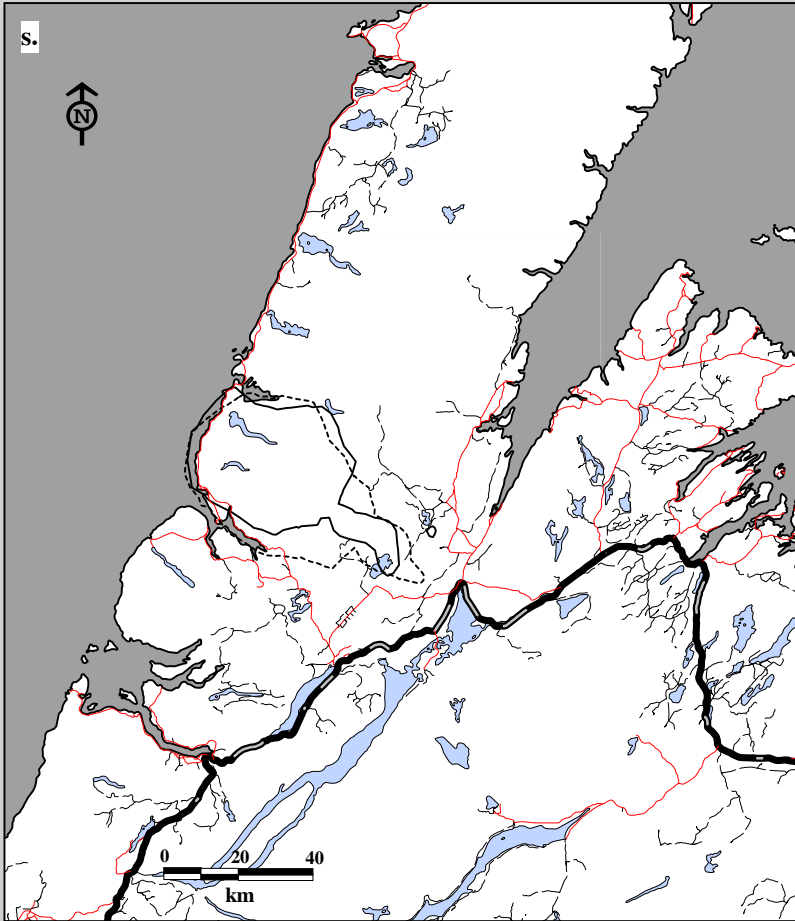
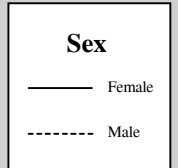


Fig. 8C-17. Gros Morne Caribou Herd radio telemetry locations by sex, ages combined for October, 1992-97.  
 s. Home ranges using 75% harmonic mean    t. Home ranges using 95% minimum convex polygon.





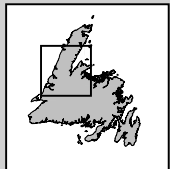
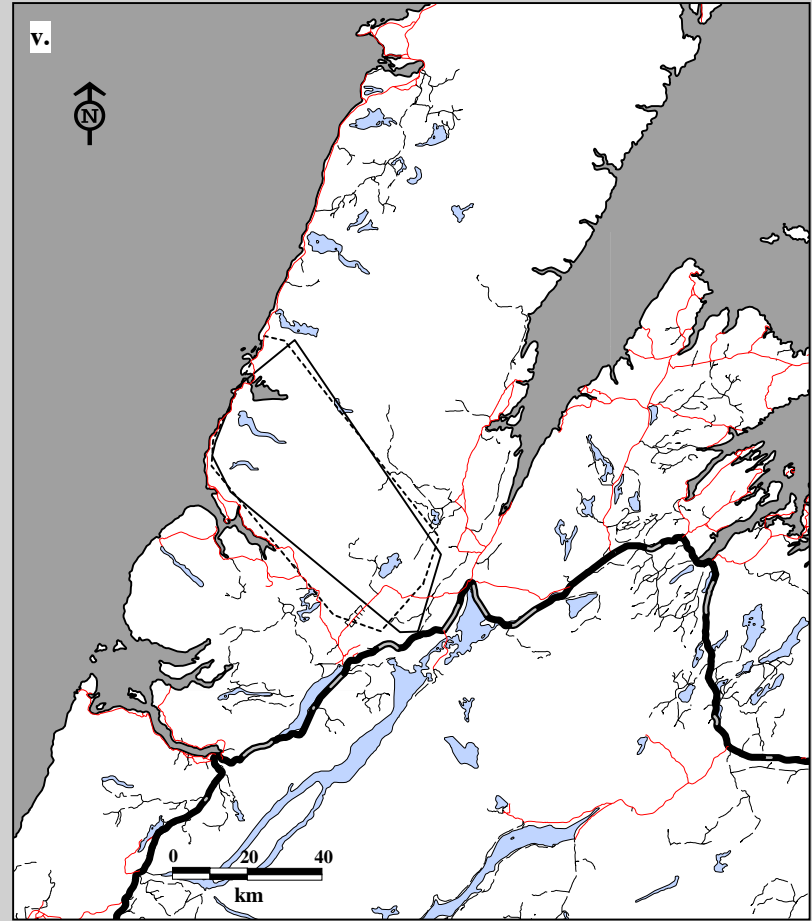
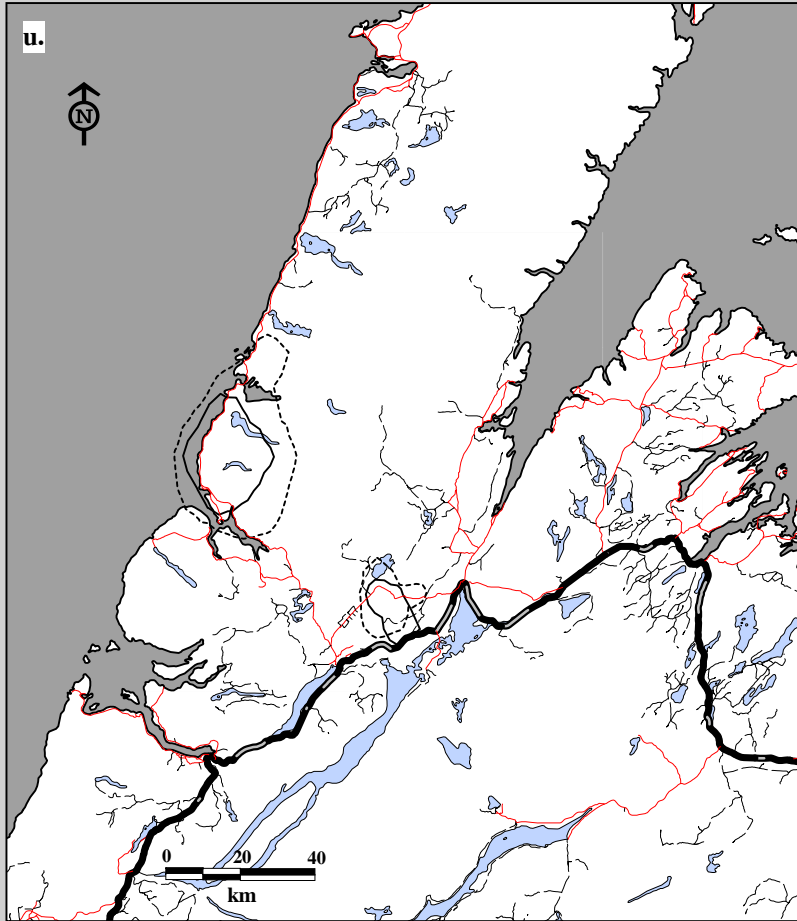
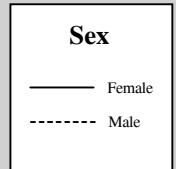
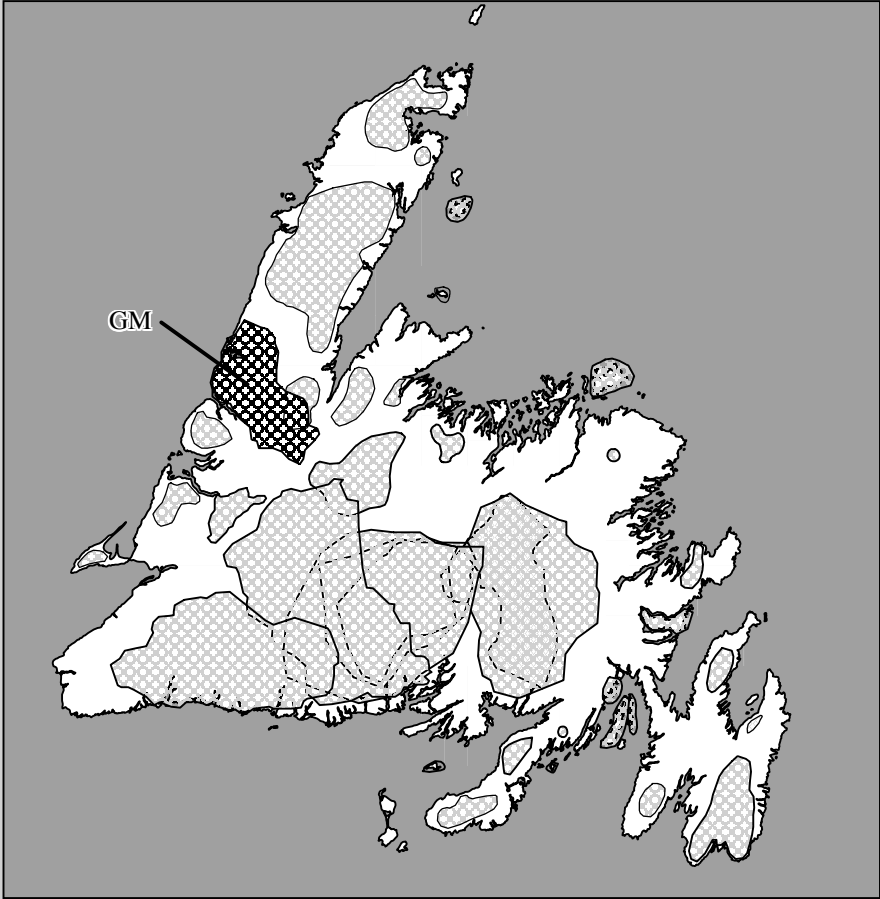
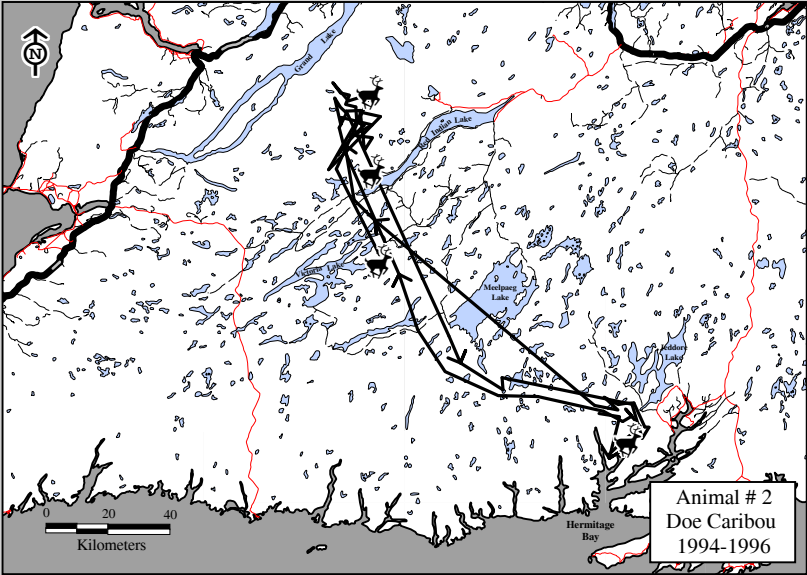


Fig. 8C-17. Gros Morne Caribou Herd radio telemetry locations by sex, ages combined for November, 1992-97.  
 u. Home ranges using 75% harmonic mean    v. Home ranges using 95% minimum convex polygon.





**Section 8D:  
Home Ranges of  
Individual Animals.**



**Caribou Herd**  
**Gros Morne (GM)**

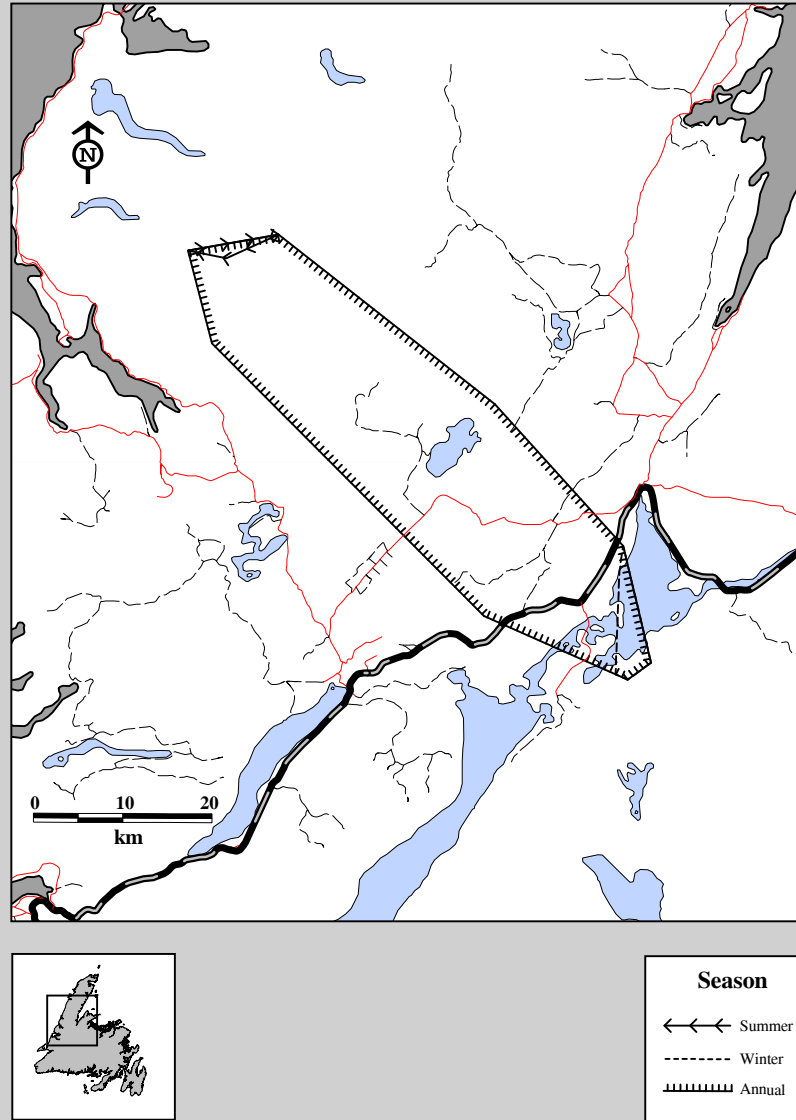


Fig. 8D-1. Seasonal home ranges for Gros Morne Caribou GM-37I, a two-year old male for 1996-97, calculated using 95% minimum convex polygon.

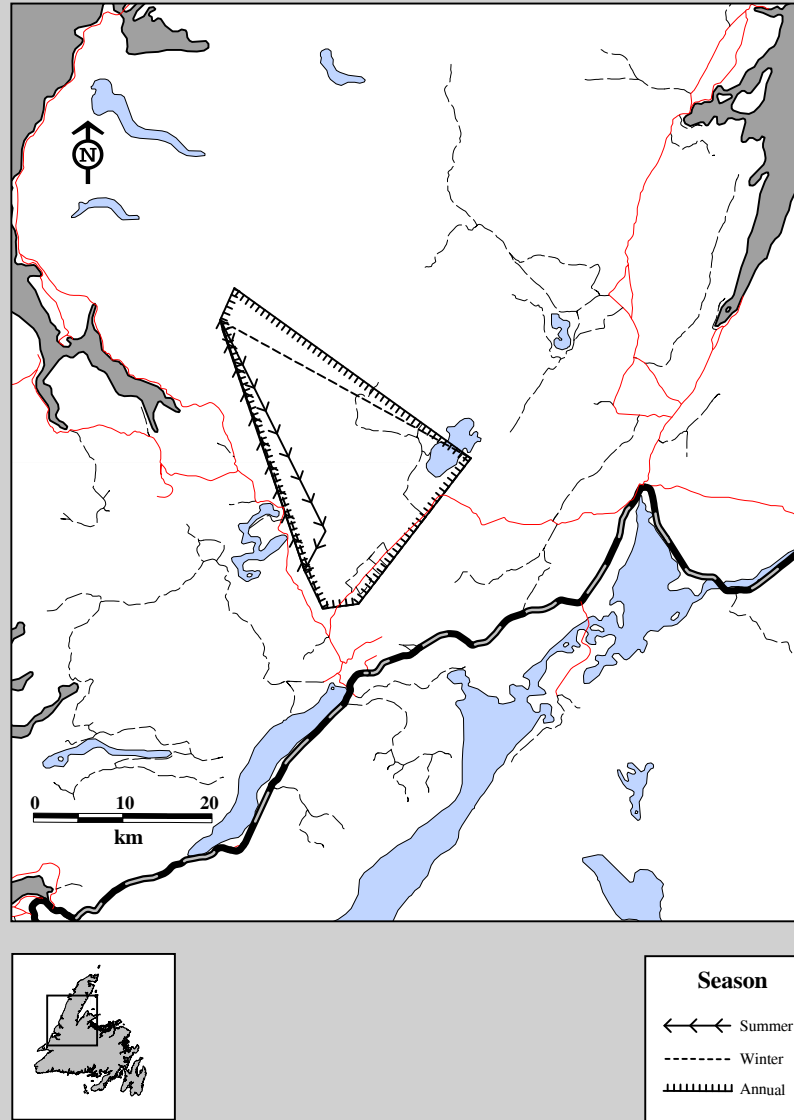
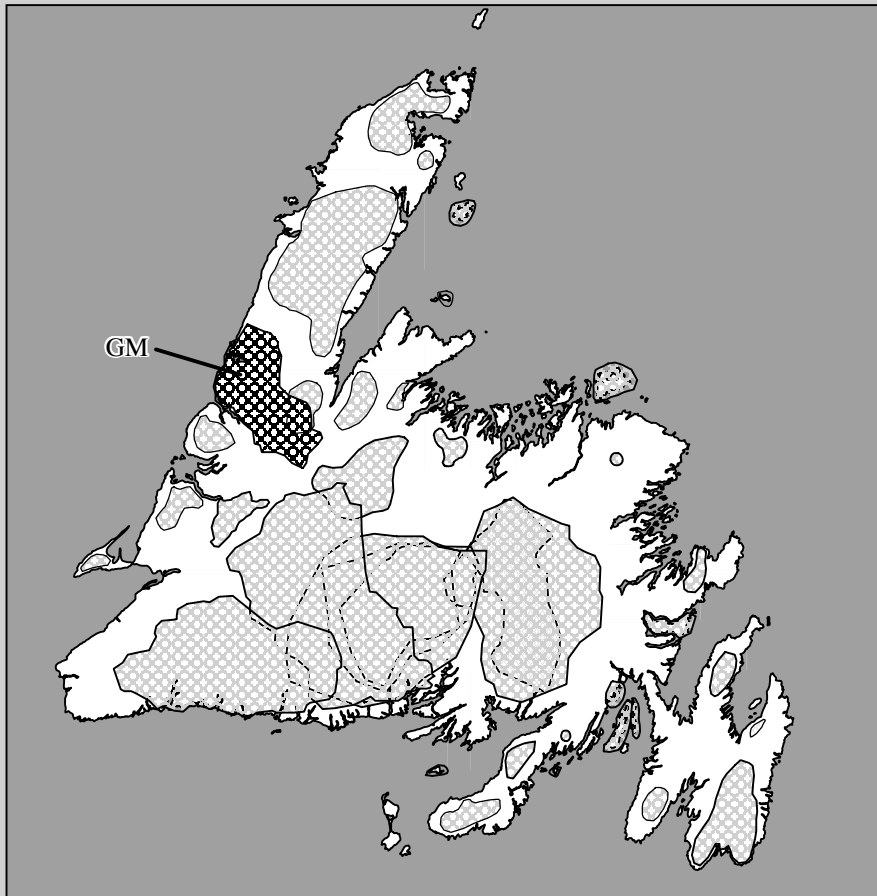
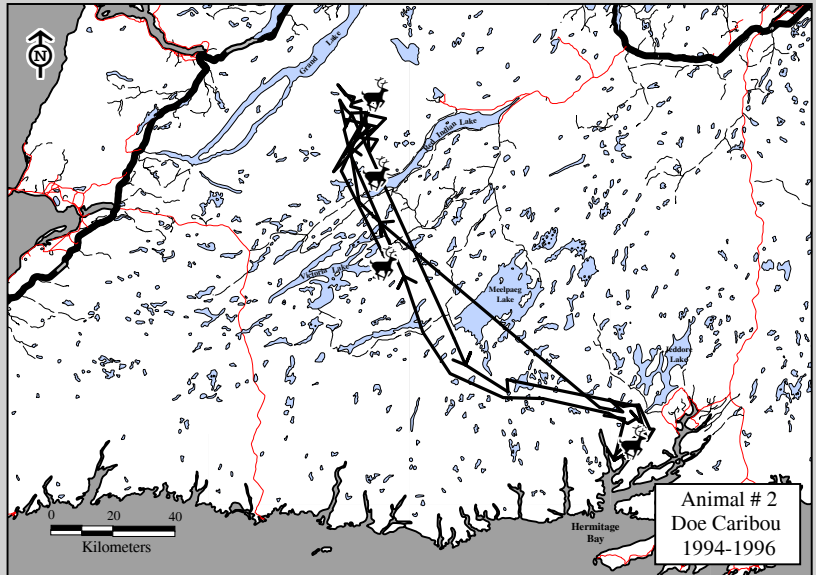


Fig. 8D-2. Seasonal home ranges for Gros Morne Caribou GM-56I, a male yearling for 1996-97, calculated using 95% minimum convex polygon.

**Section 8E:  
ARGOS Satellite  
Sample Sizes  
and Home Range  
Calculations by Herd  
Composition and Time.**



**Caribou Herd**  
Gros Morne (GM)

Table 8E-1. Gros Morne Caribou Herd. By year, the number of surveys, ARGOS satellite locations, and animals monitored, plus the 75% harmonic mean and 95% minimum convex polygon home range area estimates. Only adult females were collared.

Period	Year	Number of surveys	Number of ARGOS locations	Number of caribou monitored	Home range (km <sup>2</sup> )	
					75% harmonic mean	95% minimum convex polygon
All periods / years combined	-	597	3,269	16	1,033	5,257
January 23, 1993 to April 30, 1993	1	98	478	10	675	1,531
May 1, 1993 to April 30, 1994	2	230	1184	16	1,800	5,309
May 1, 1994 to April 30, 1995	3	185	1435	10	929	2,756
May 1, 1995 to October 7, 1995	4	84	172	3	229	369

Table 8E-2. Gros Morne Caribou Herd. By season and year, the number of surveys, ARGOS satellite locations, and animals monitored, plus the 75% harmonic mean and 95% minimum convex polygon home range area estimates. Only adult females were collared.

Period (Year)	Season	Number of surveys	Number of ARGOS locations	Number of caribou monitored	Home range (km <sup>2</sup> )	
					75% harmonic mean	95% minimum convex polygon
All periods/ years combined	Spring	124	694	16	417	3,056
	Summer	186	976	16	457	3,347
	Fall	95	536	16	1,345	3,509
	Winter	192	1,063	16	1,417	4,360
January 23, 1993 to April 30, 1993 (Year 1)	Winter	98	478	10	675	1,531
May 1, 1993 to April 30, 1994 (Year 2)	Spring	61	308	10	399	1,396
	Summer	92	455	10	595	1,946
	Fall	61	270	10	1,890	3,649
	Winter	16	151	11	364	1,466
May 1, 1994 to April 30, 1995 (Year 3)	Spring	31	310	10	381	585
	Summer	46	433	10	432	1,789
	Fall	30	258	9	839	1,676
	Winter	78	434	8	934	1,797
May 1, 1995 to October 7, 1995 (Year 4)	Spring	32	76	3	422	962
	Summer	48	88	2	80	98
	Fall	4	8	2	-	-

Table 8E-3. Gros Morne Caribou Herd. By month, the number of surveys, ARGOS satellite locations and animals monitored, plus the 75% harmonic mean and the 95% minimum convex polygon home range area estimates. Only adult females were collared.

Month	Number of surveys	Number of radio telemetry locations	Number of caribou monitored	Home range (km <sup>2</sup> )	
				75% harmonic mean	95% minimum convex polygon
January	25	141	15	764	2,206
February	42	231	15	933	2,886
March	48	221	15	883	3,993
April	60	344	16	785	2,861
May	63	362	16	346	2,353
June	61	332	16	360	1,527
July	62	328	16	202	1,528
August	63	341	16	475	2,707
September	61	307	16	495	1,375
October	50	286	16	1,266	3,087
November	45	250	16	1,203	3,242
December	17	126	9	606	1439

Table 8E-4. Gros Morne Caribou Herd. By year and sex, the number of radio telemetry locations (n) plus the 95% minimum convex polygon home range area estimates for individual female caribou. The reproductive status is given when known.

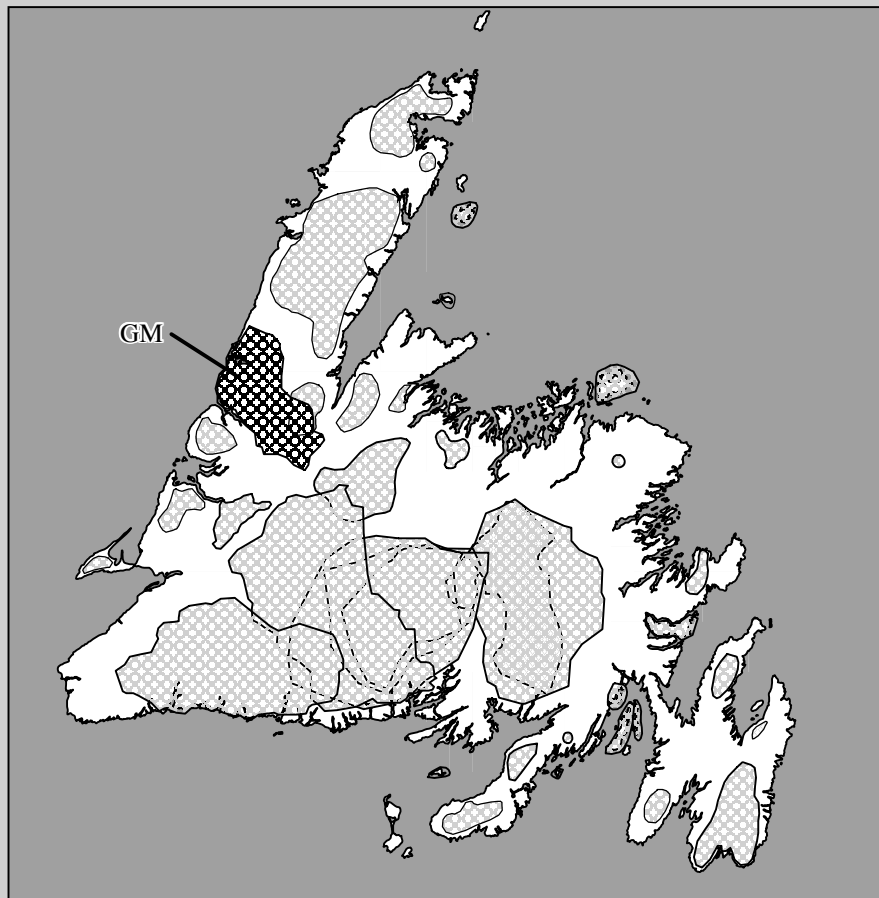
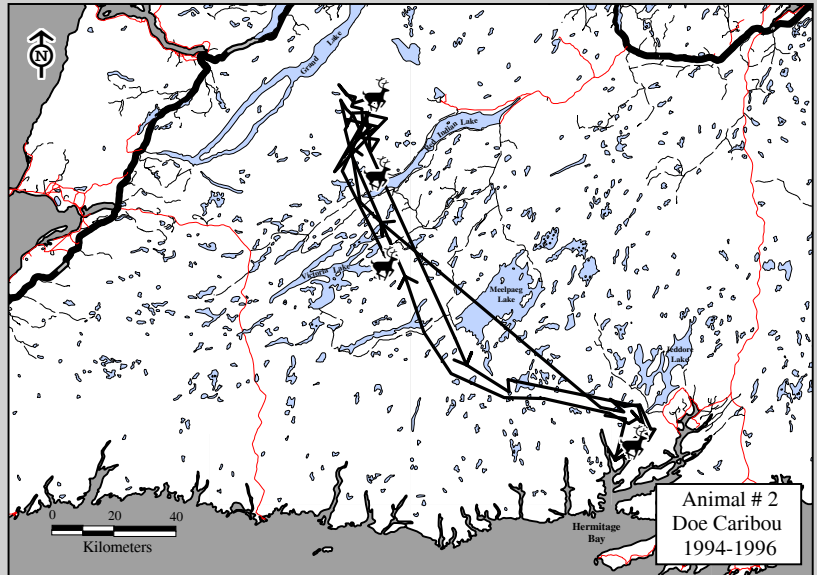
Animal	Sex	Year	Age	Reproductive Status	Home Range (km <sup>2</sup> )									
					Spring		Summer		Fall		Winter		Year-Round	
					Area	n	Area	n	Area	n	Area	n	Area	n
CA-002	F	1993-94	Adult	unknown							28	15		
	F	1994-95	Adult	productive	693	29	61	43	443	28	85	72	1,262	173
	F	1995-96	Adult	productive	699	28	45	40					631	73
CA-008	F	1992-93	Adult	productive							161	46		
	F	1993-94	Adult	unknown	67	29	115	43	105	27	18	14	348	114
	F	1994-95	Adult	productive	59	29	103	40	1,031	26	1,121	48	1,578	145
CA-009	F	1992-93	Adult	unknown							14	46		
	F	1993-94	Adult	productive	149	29	131	43	99	19	6	14	313	107
	F	1994-95	Adult	productive	134	29	127	35	48	22			329	87
CA-010	F	1992-93	Adult	unknown							29	46		
	F	1993-94	Adult	barren	233	28	141	43	955	29			2,783	101
CA-011	F	1992-93	Adult	unknown							184	46		
	F	1993-94	Adult	productive	87	29	170	43	224	18			413	93
CA-012	F	1992-93	Adult	unknown							160	46		
	F	1993-94	Adult	productive	304	28	640	42	135	28			919	99
CA-013	F	1992-93	Adult	productive							82	43		
	F	1993-94	Adult	barren	210	29	122	42	204	22	33	14	273	109
	F	1994-95	Adult	productive	185	29	113	29					237	58
CA-014	F	1992-93	Adult	unknown							401	46		
	F	1993-94	Adult	unknown	353	29	580	43	237	22			1,035	95
CA-015	F	1992-93	Adult	unknown							124	43		
	F	1993-94	Adult	productive	83	29	98	43	693	28			1,040	102
CA-016	F	1992-93	Adult	unknown							37	43		
	F	1993-94	Adult	productive	132	29	65	40	583	28			1,045	98
CA-017	F	1992-93	Adult	unknown							85	43		
	F	1993-94	Adult	productive	66	29	57	43	186	28	25	14	834	115
	F	1994-95	Adult	unknown	83	29	63	43	174	27	123	36	327	136



Table 8E-4 (con'd). Gros Morne Caribou Herd. By year and sex, the number of radio telemetry locations (n) plus the 95% minimum convex polygon home range area estimates for individual female caribou. The reproductive status is given when known.

Animal	Sex	Year	Age	Reproductive Status	Home Range (km <sup>2</sup> )									
					Spring		Summer		Fall		Winter		Year-Round	
					Area	n	Area	n	Area	n	Area	n	Area	n
CA-018	F	1993-94	Adult	unknown							37	14		
	F	1994-95	Adult	productive	117	29	53	43	529	28	1,228	71	1,371	172
	F	1995-96	Adult	productive	94	16								
CA-019	F	1993-94	Adult	unknown							27	14		
	F	1994-95	Adult	productive	165	29	127	43	80	27	9	13	396	114
CA-020	F	1993-94	Adult	unknown							15	14		
	F	1994-95	Adult	productive	115	29	133	43	406	28	261	49	802	151
CA-021	F	1993-94	Adult	unknown							6	14		
	F	1994-95	Adult	productive	161	29	47	43	76	26	13	72	196	171
	F	1995-96	Adult	productive	169	27	79	42					218	74
CA-022	F	1993-94	Adult	unknown							8	14		
	F	1994-95	Adult	productive	106	29	820	43	7	28	353	49	1,223	151

**Section 8F:  
ARGOS Satellite  
Distributions by Herd  
Composition and Time.**



**Caribou Herd  
Gros Morne (GM)**

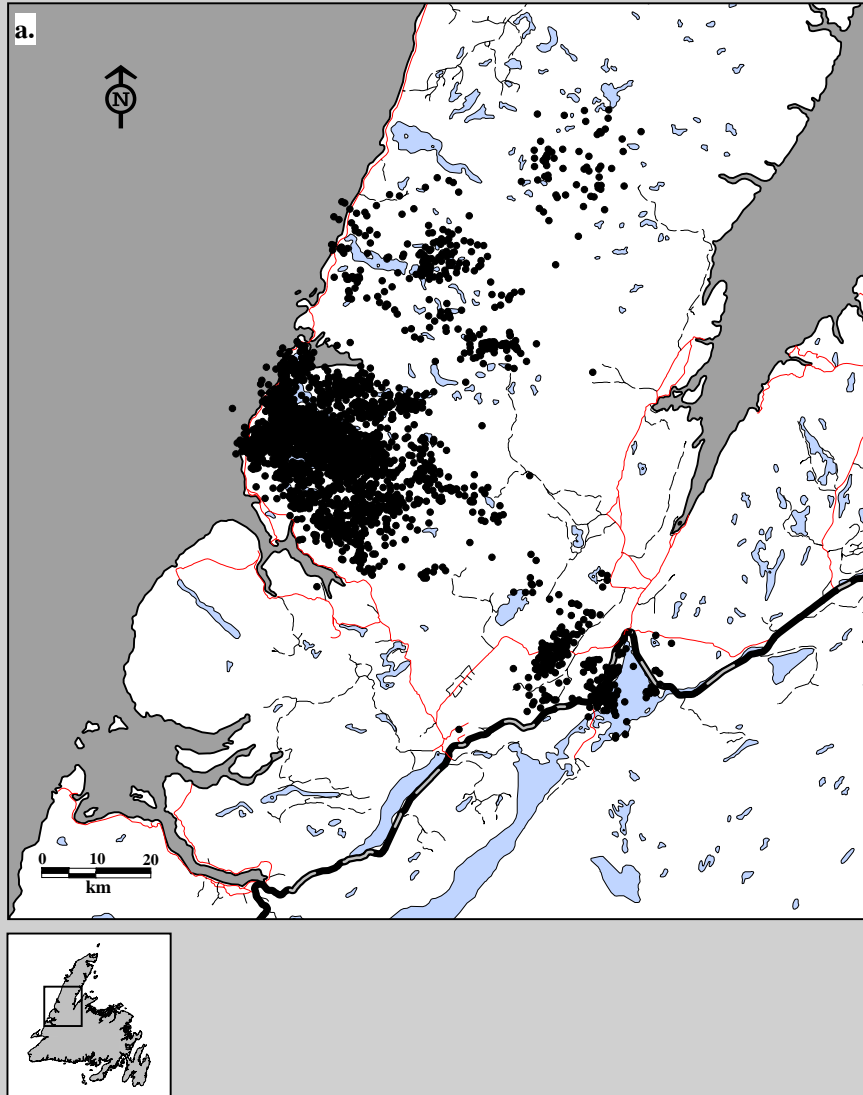


Fig. 8F-1. Gros Morne Caribou Herd telemetry locations from Argos satellite collars. Data for a. all cohorts (3,269 locations; 39 caribou; 597 surveys), 1993-95. Only adult females collared.

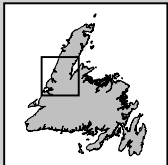
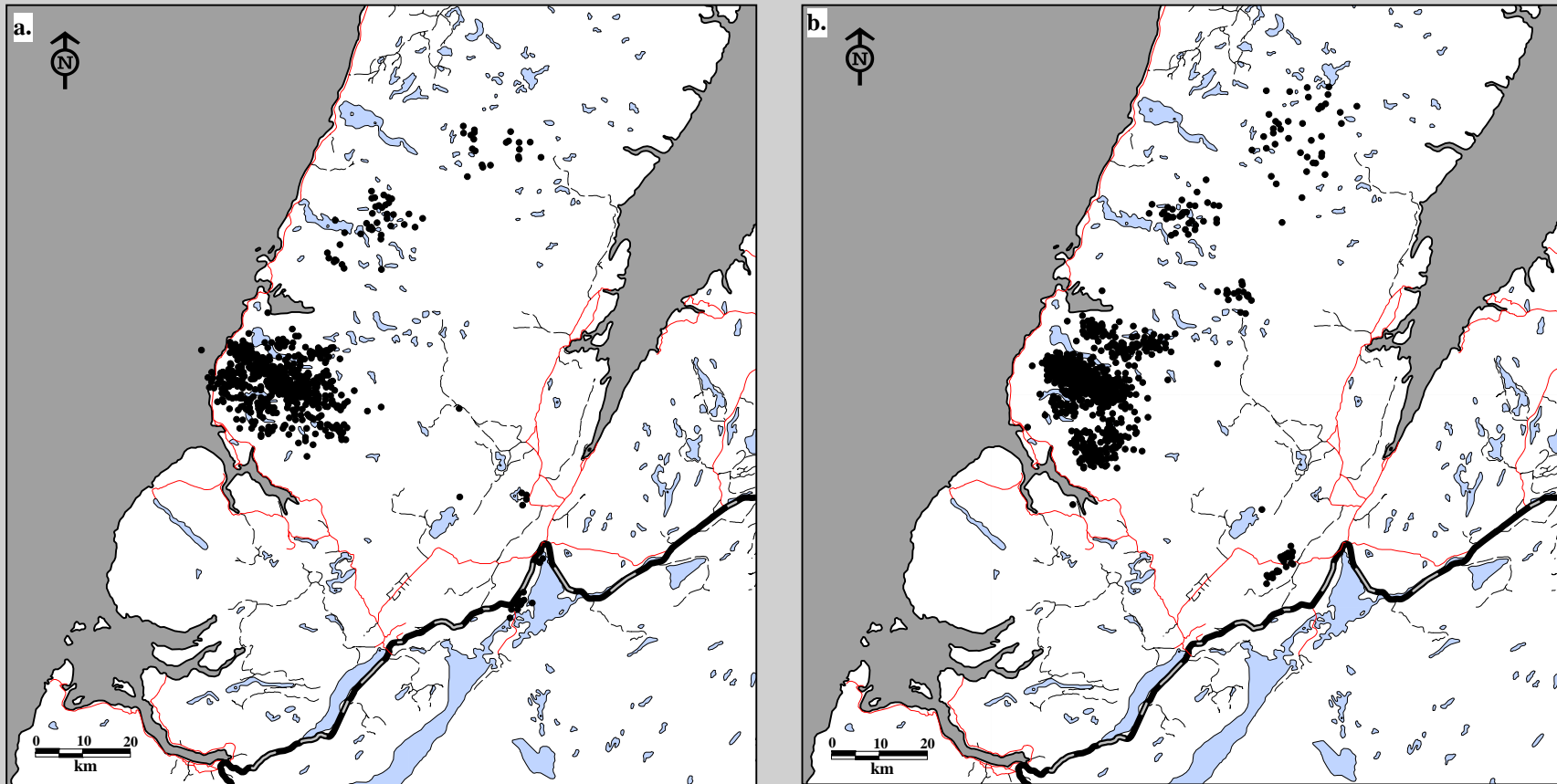


Fig. 8F-2. Gros Morne Caribou Herd telemetry locations from Argos satellite collars. Data for a. spring (694 locations; 16 caribou; 124 surveys) and b. summer (976 locations; 16 caribou; 186 surveys), 1993-95. Only adult females collared.

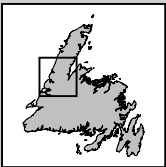
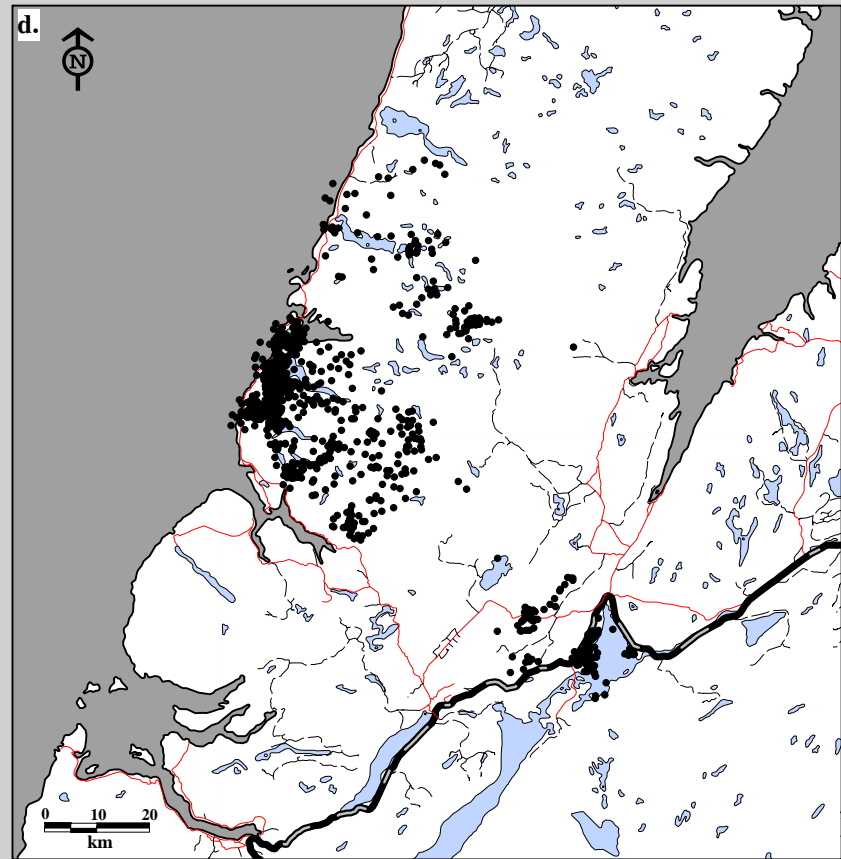
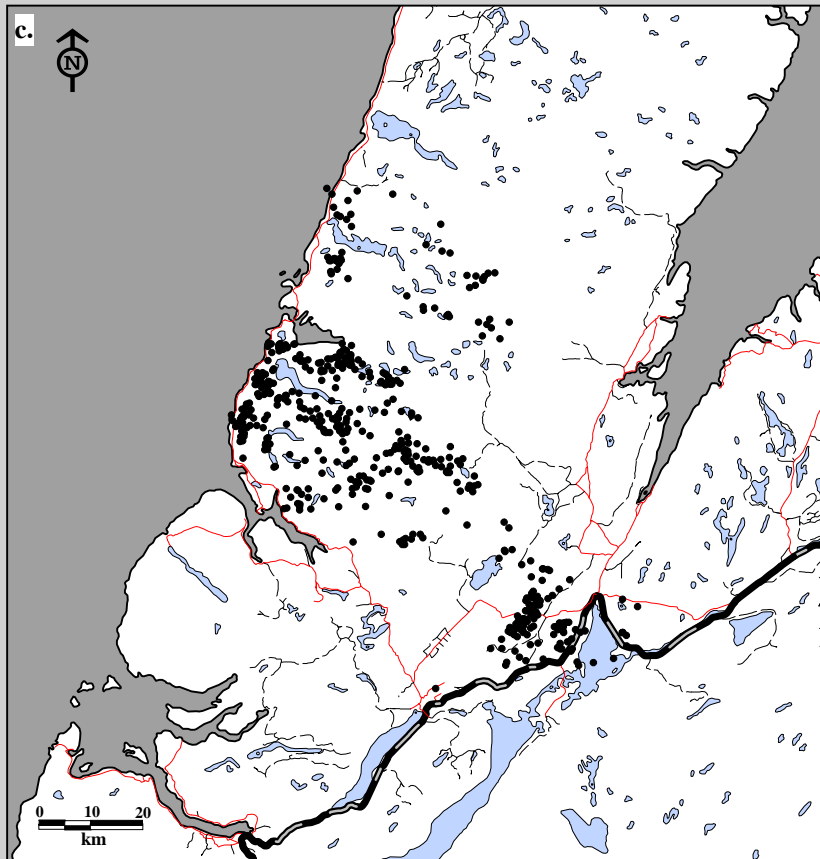


Fig. 8F-2. Gros Morne Caribou Herd telemetry locations from Argos satellite collars. Data for c. fall (536 locations; 16 caribou; 95 surveys) and d. winter (1,063 locations; 16 caribou; 192 surveys), 1993-95. Only adult females collared.

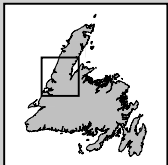
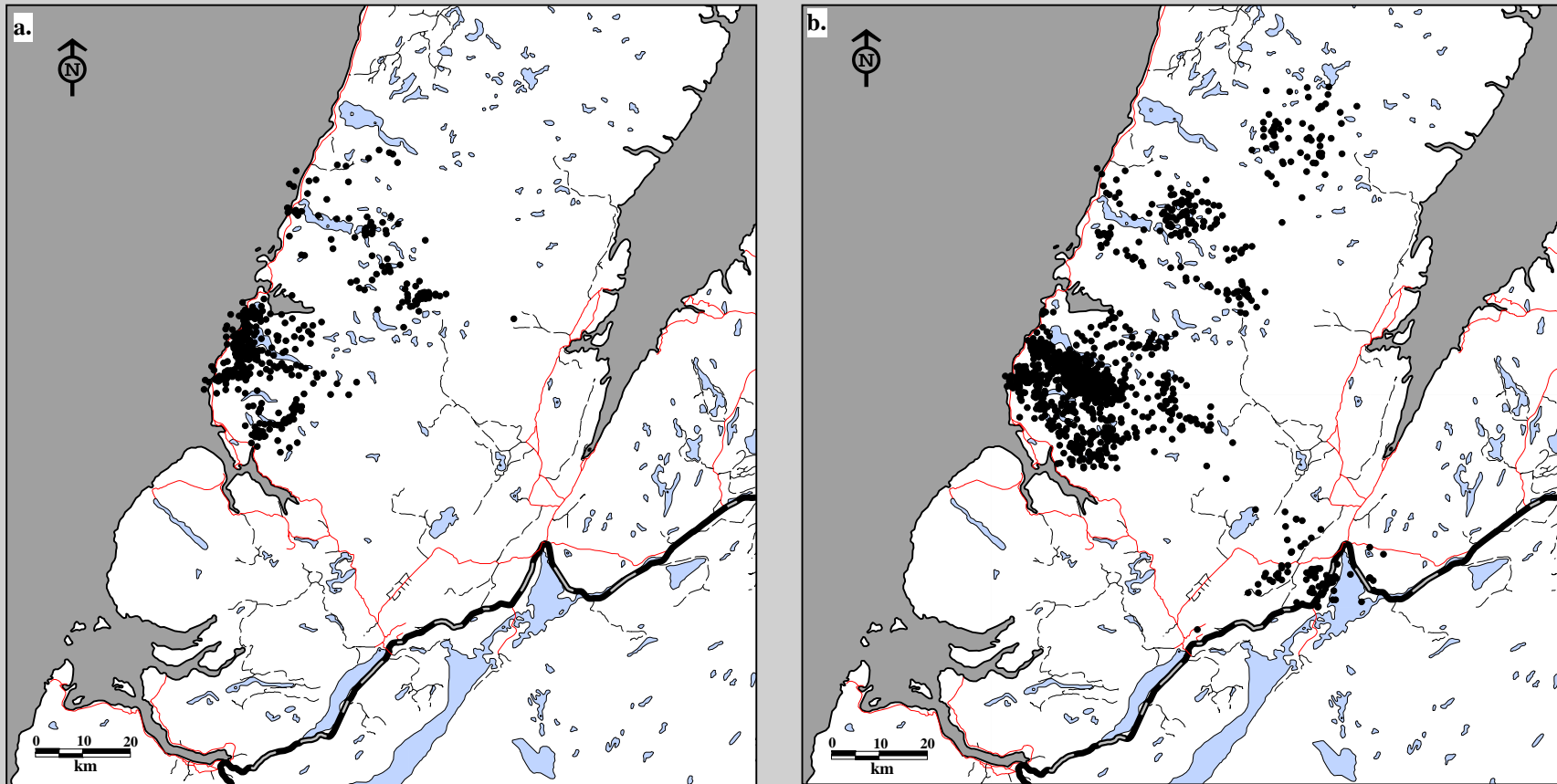


Fig. 8F-3. Gros Morne Caribou Herd telemetry locations from Argos satellite collars. Data for a. 1993 (478 locations; 10 caribou; 98 surveys) and b. 1993-94 (1,184 locations; 16 caribou; 230 surveys). Only adult females collared.

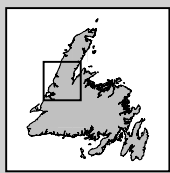
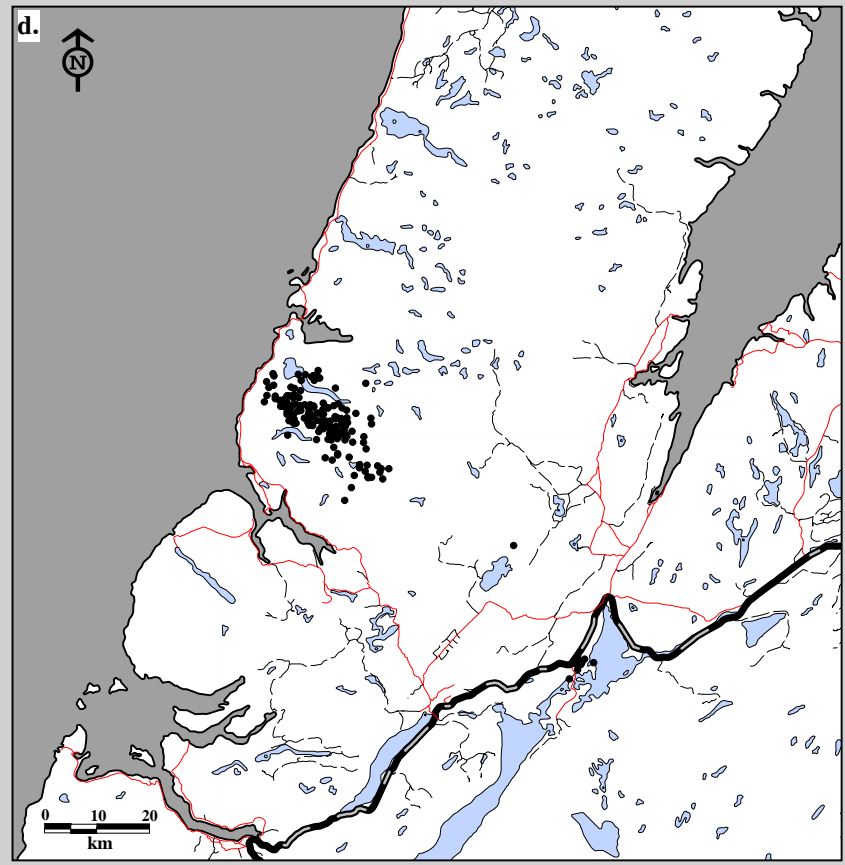
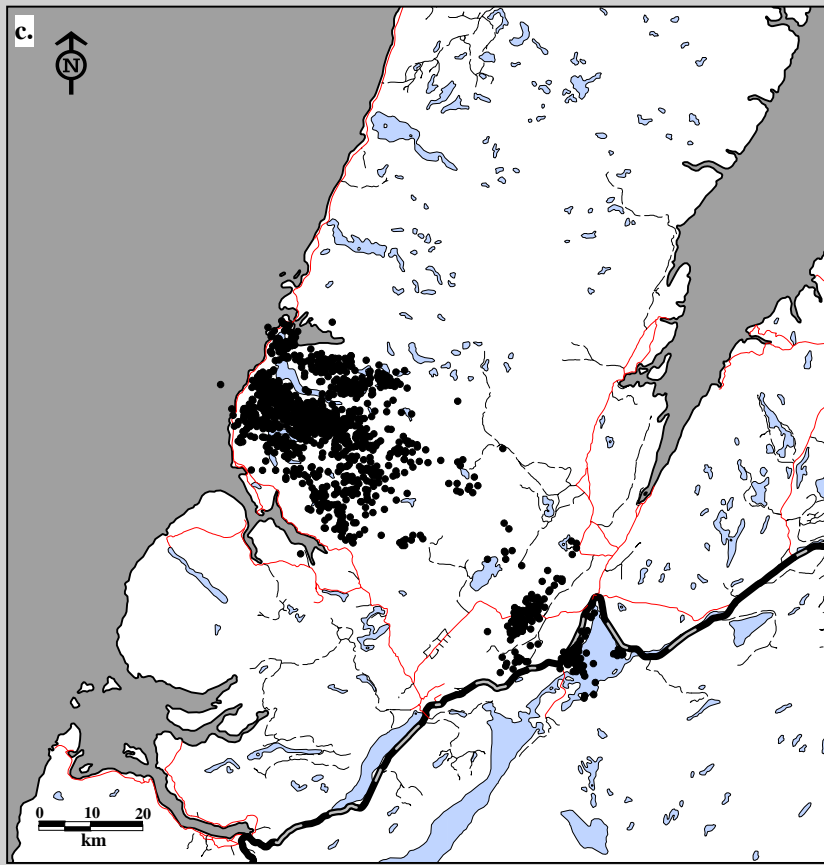


Fig. 8F-3. Gros Morne Caribou Herd telemetry locations from Argos satellite collars. Data for c. 1994-95 (1,435 locations; 10 caribou; 185 surveys) and d. 1995-96 (172 locations; 3 caribou; 84 surveys). Only adult females collared.

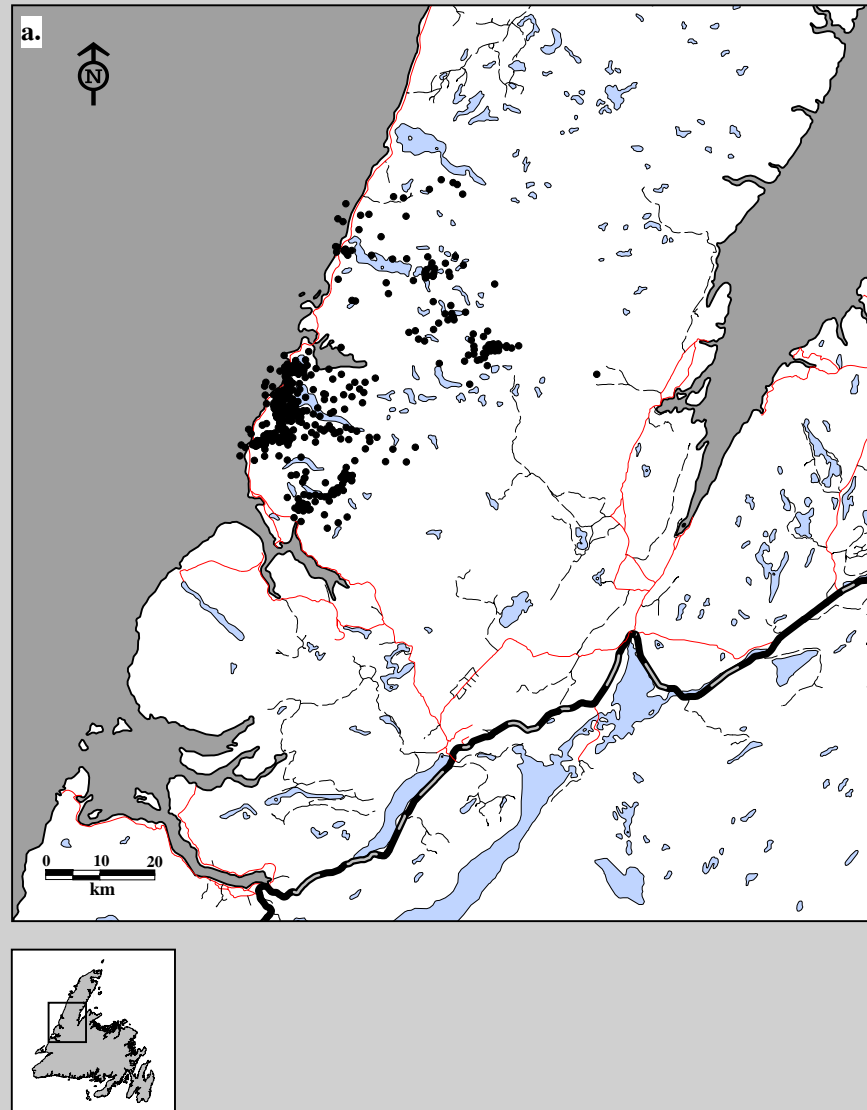


Fig. 8F-4. Gros Morne Caribou Herd telemetry locations from Argos satellite collars. Data for a. winter (478 locations; 10 caribou; 98 surveys), 1993. Only adult females collared.



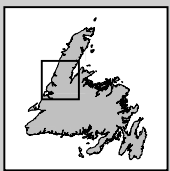
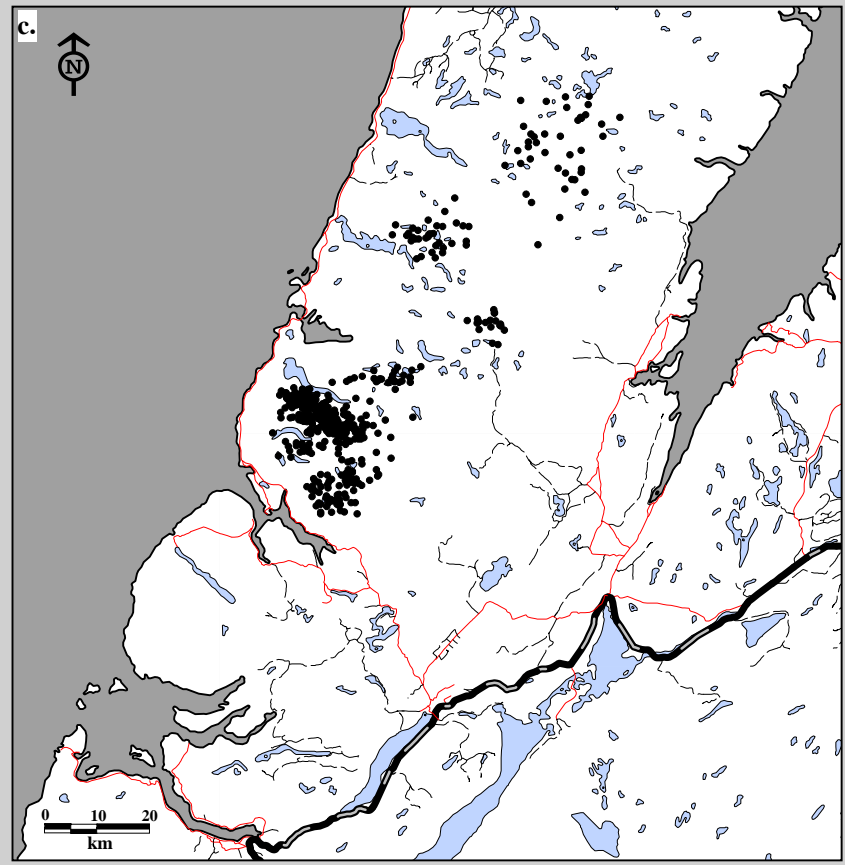
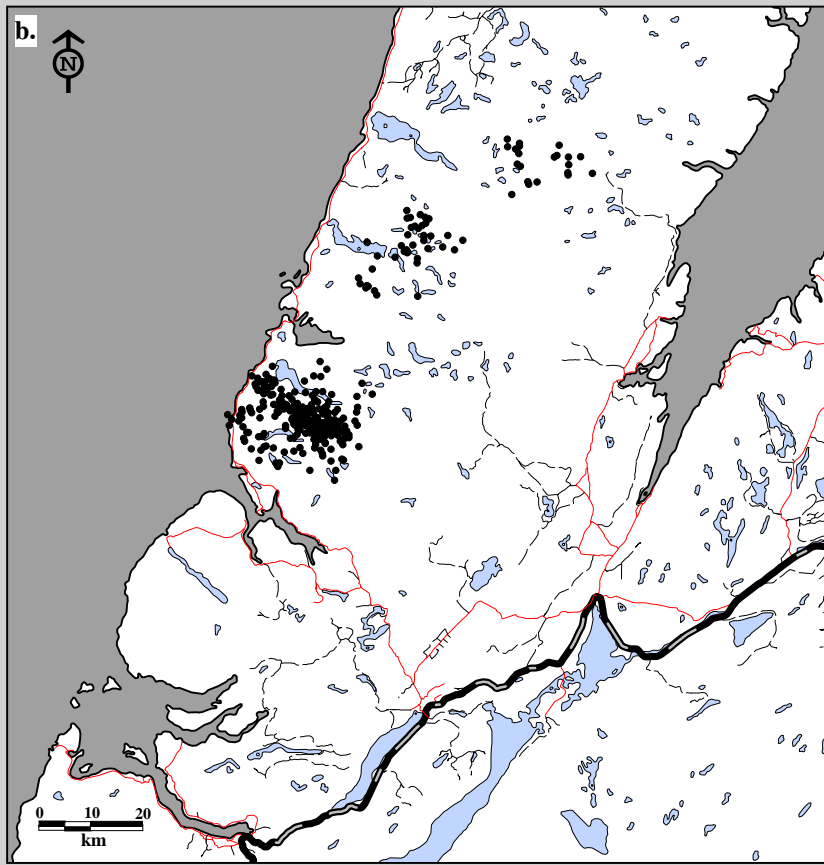
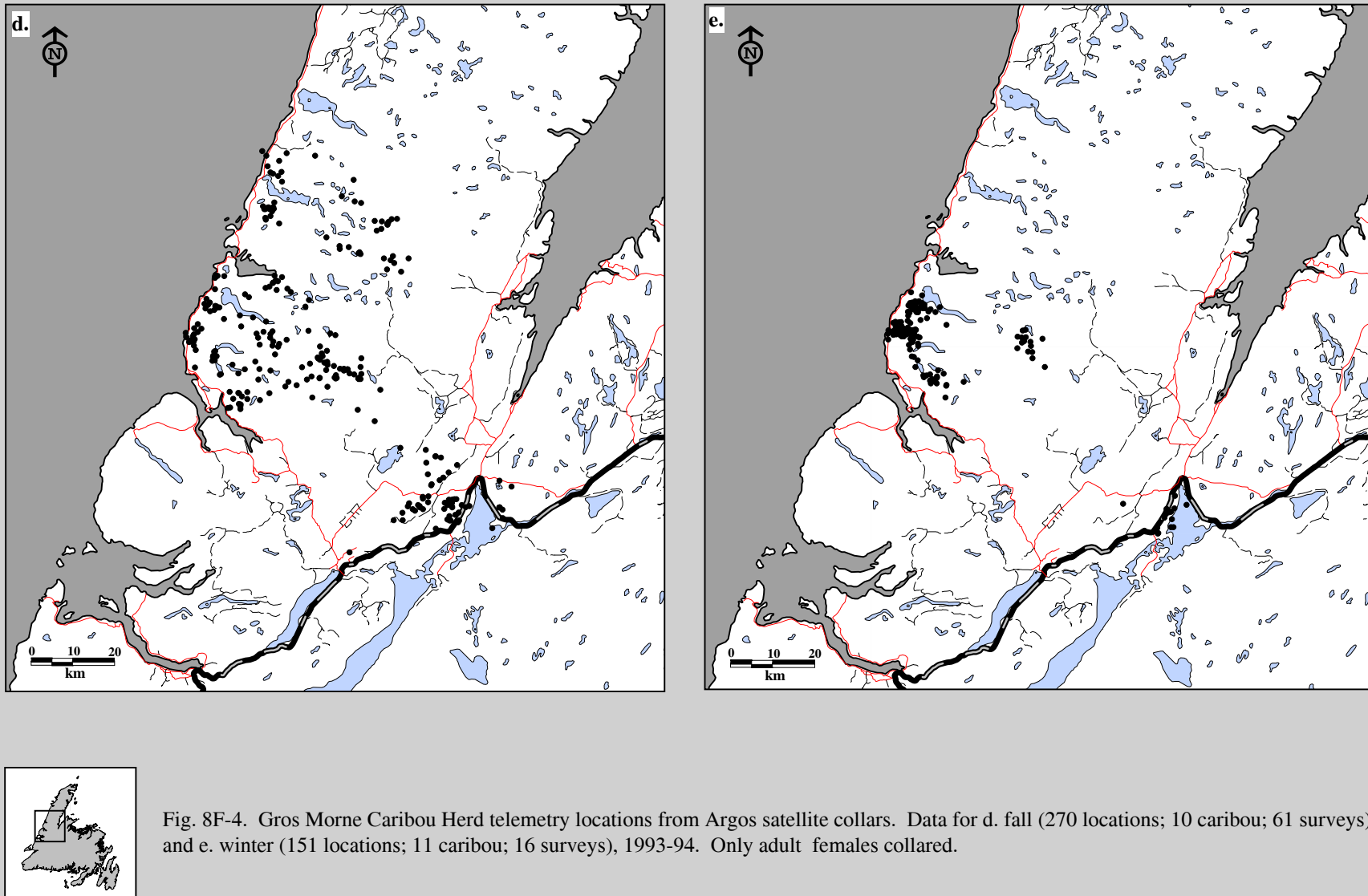


Fig. 8F-4. Gros Morne Caribou Herd telemetry locations from Argos satellite collars. Data for b. spring (308 locations; 10 caribou; 61 surveys) and c. summer (455 locations; 10 caribou; 92 surveys), 1993-94. Only adult females collared.



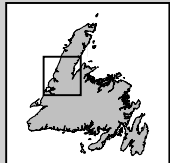
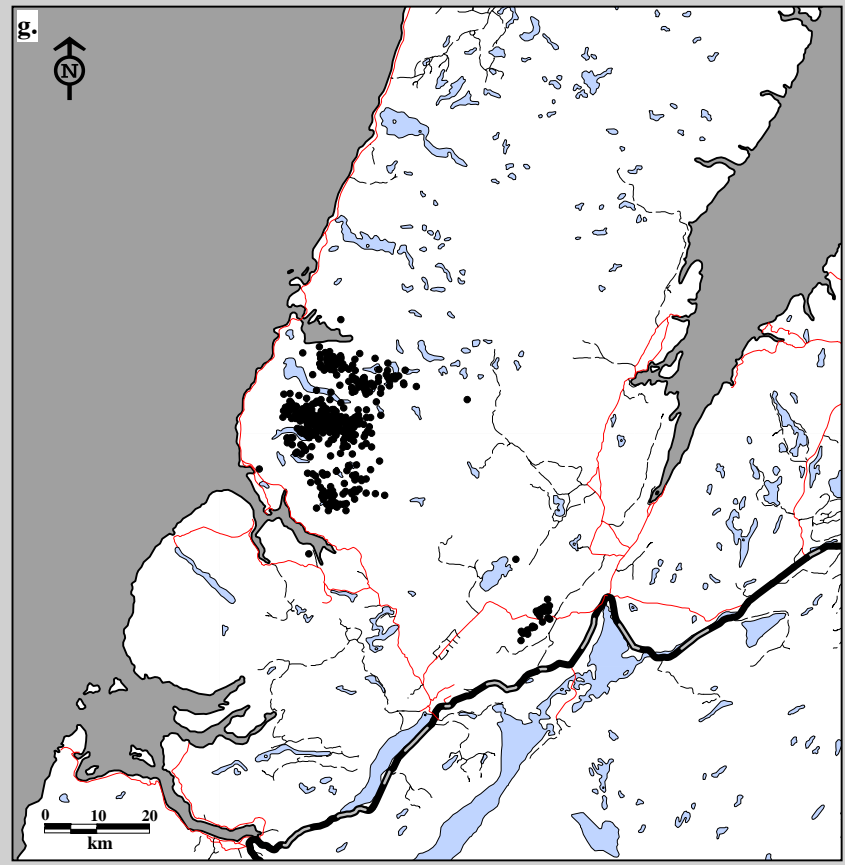
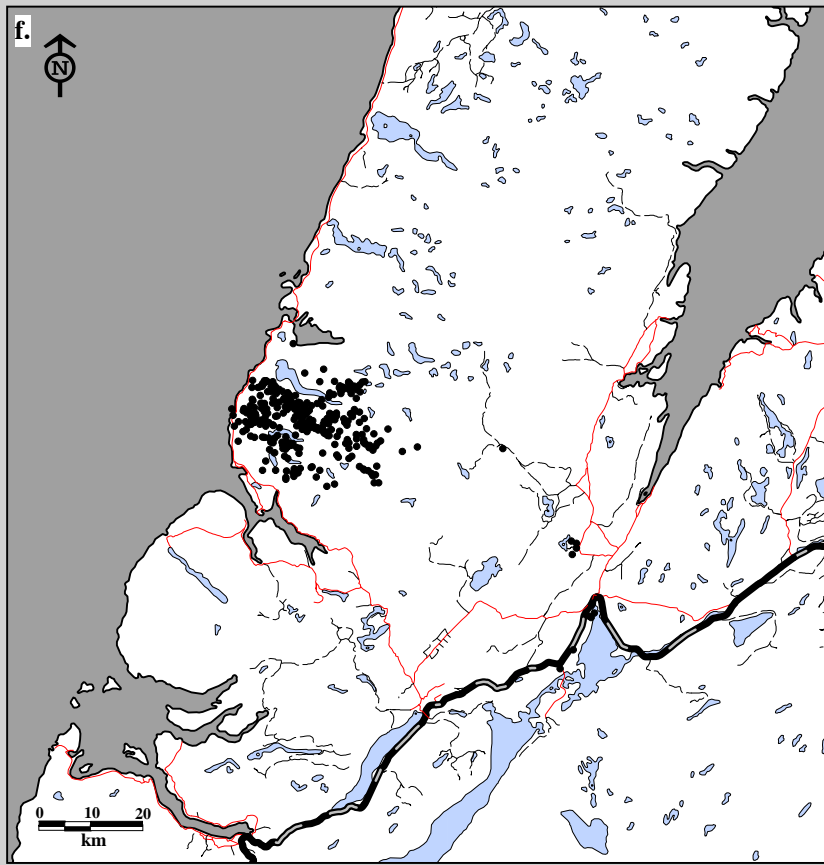


Fig. 8F-4. Gros Morne Caribou Herd telemetry locations from Argos satellite collars. Data for f. spring (310 locations; 10 caribou; 31 surveys) and g. summer (433 locations; 10 caribou; 46 surveys), 1994-95. Only adult females collared.

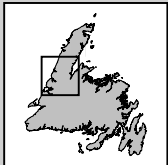
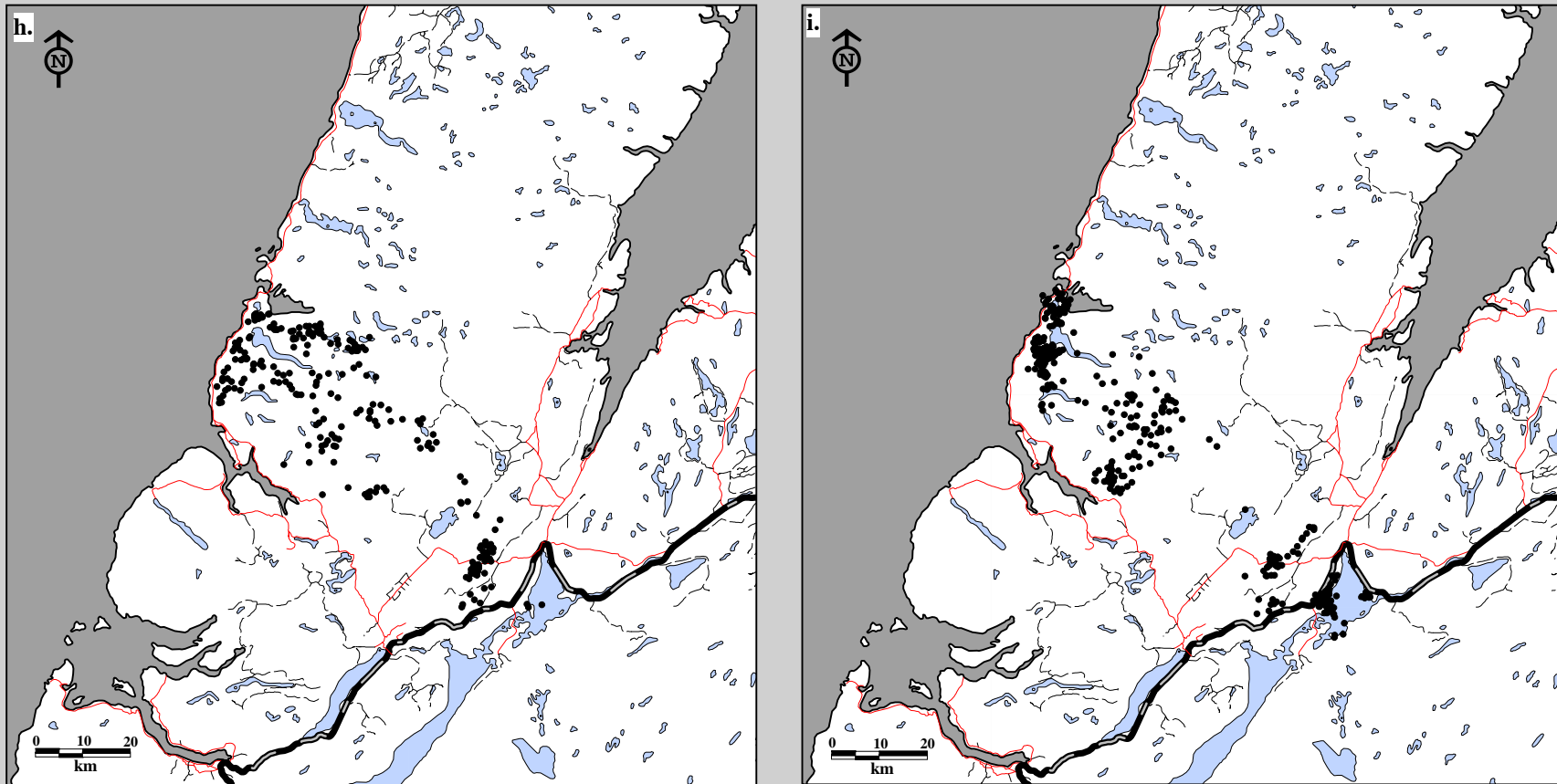


Fig. 8F-4. Gros Morne Caribou Herd telemetry locations from Argos satellite collars. Data for h. fall (258 locations; 9 caribou; 30 surveys) and i. winter (434 locations; 8 caribou; 78 surveys), 1994-95. Only adult females collared.

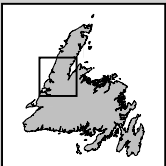
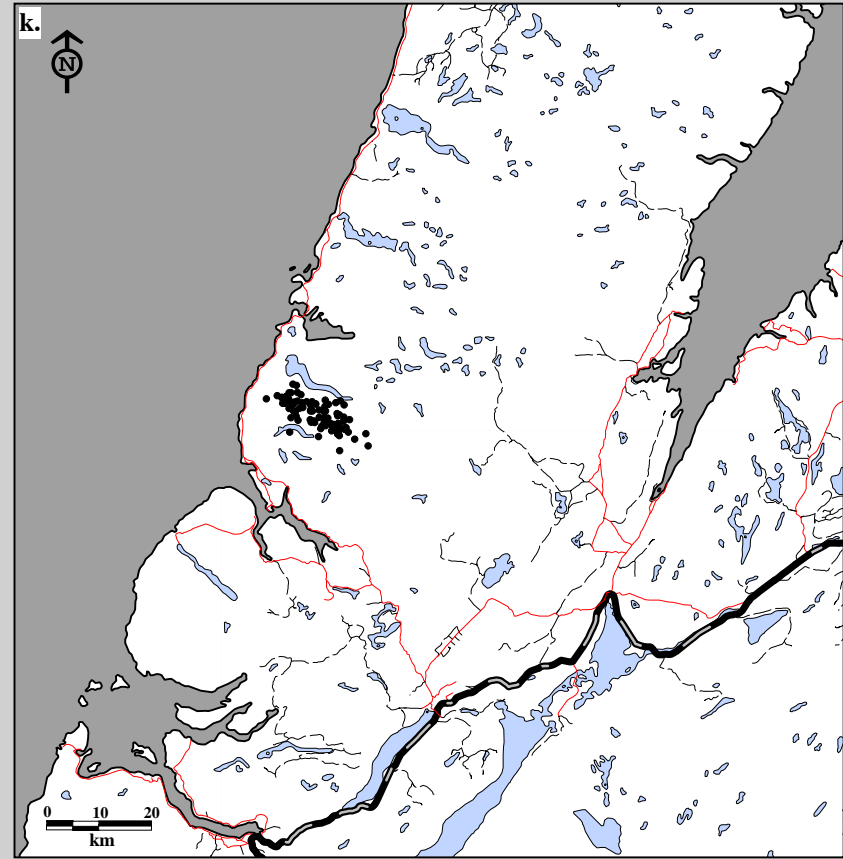
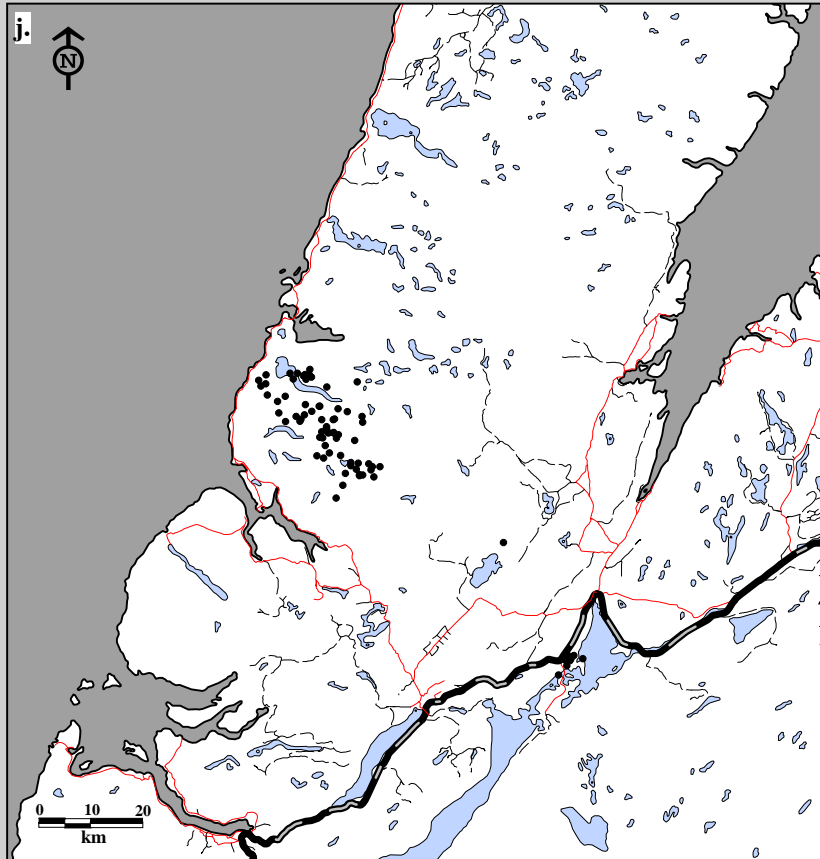


Fig. 8F-4. Gros Morne Caribou Herd telemetry locations from Argos satellite collars. Data for j. spring (76 locations; 3 caribou; 32 surveys) and k. summer (88 locations; 2 caribou; 48 surveys), 1995. Only adult females collared.

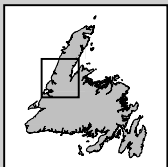
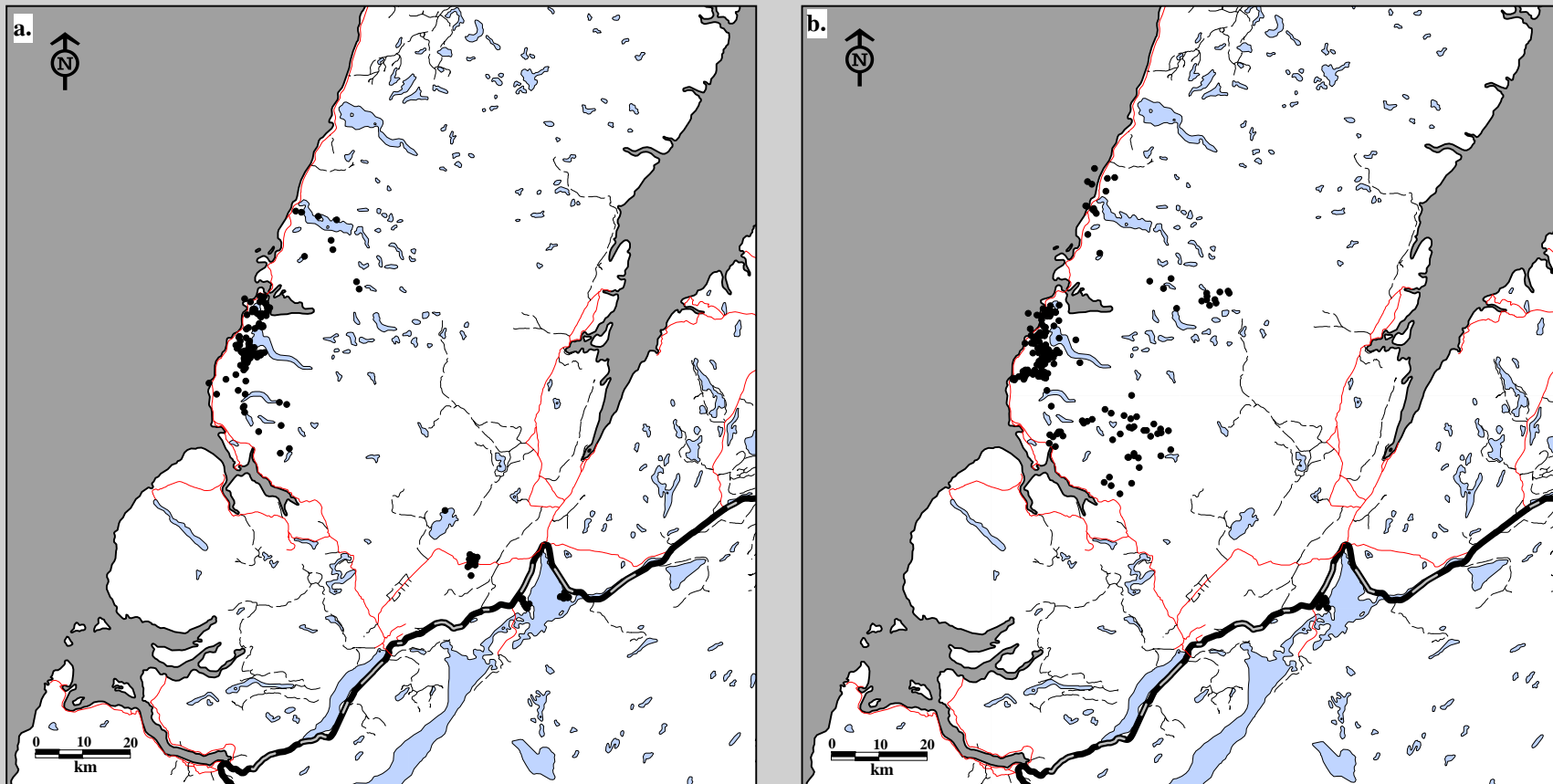


Fig. 8F-5. Gros Morne Caribou Herd locations from Argos satellite collars. Data for adult females in a. January (141 locations; 15 caribou; 25 surveys) and b. February (231 locations; 15 caribou; 42 surveys), 1993-95. Only adult females collared.

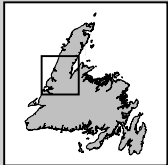
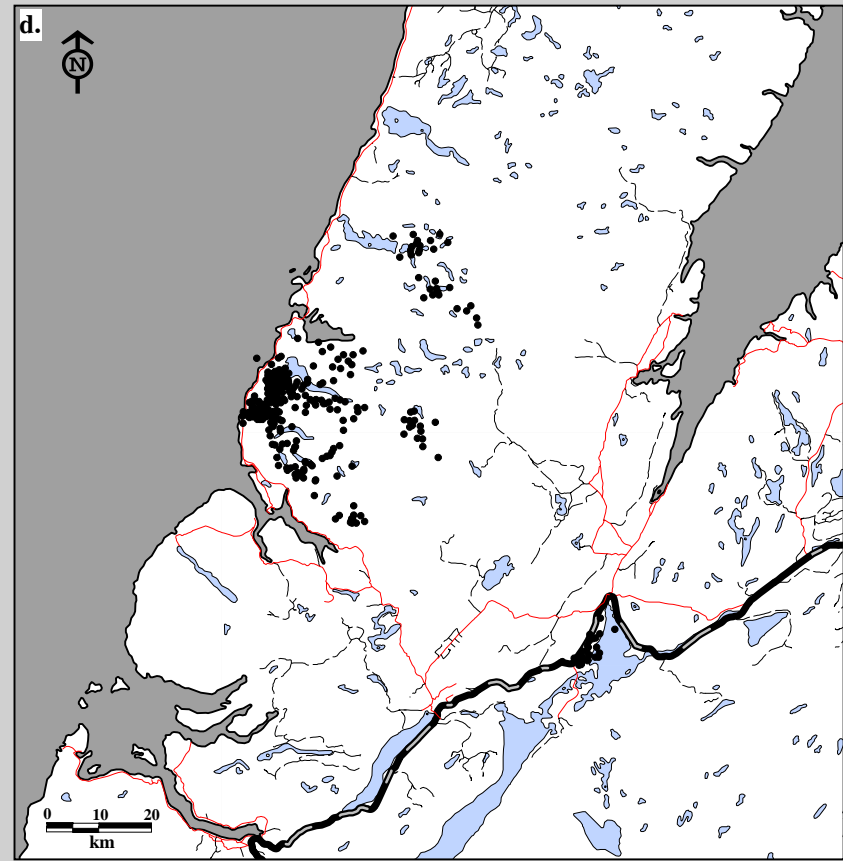
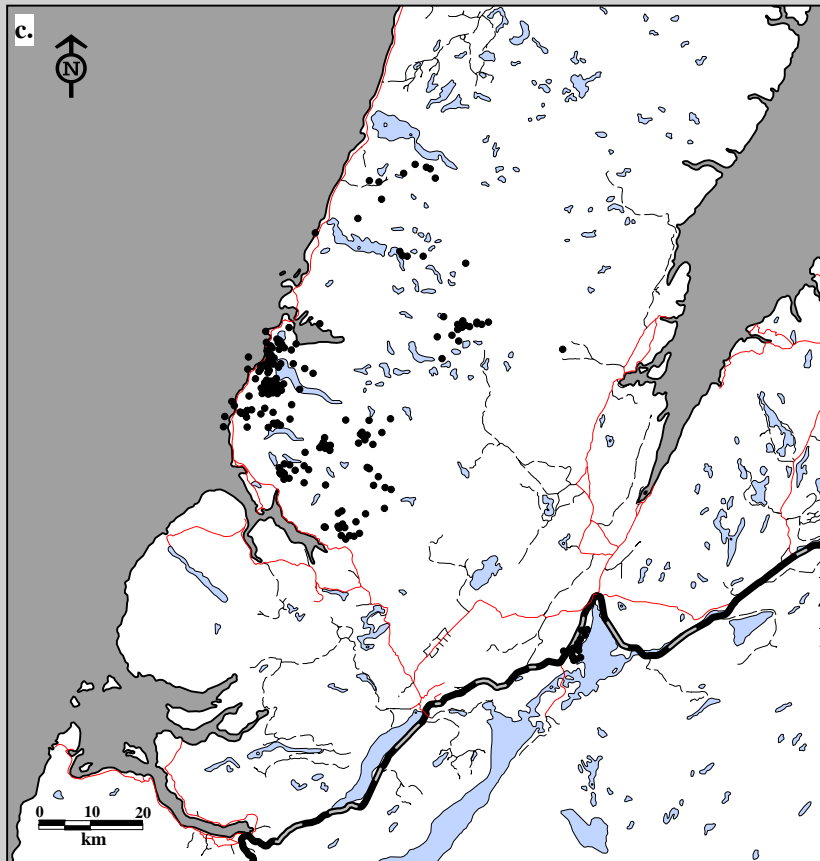


Fig. 8F-5. Gros Morne Caribou Herd locations from Argos satellite collars. Data for adult females in c. March (221 locations; 15 caribou; 48 surveys) and d. April (344 locations; 16 caribou; 60 surveys), 1993-95. Only adult females collared.



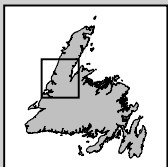
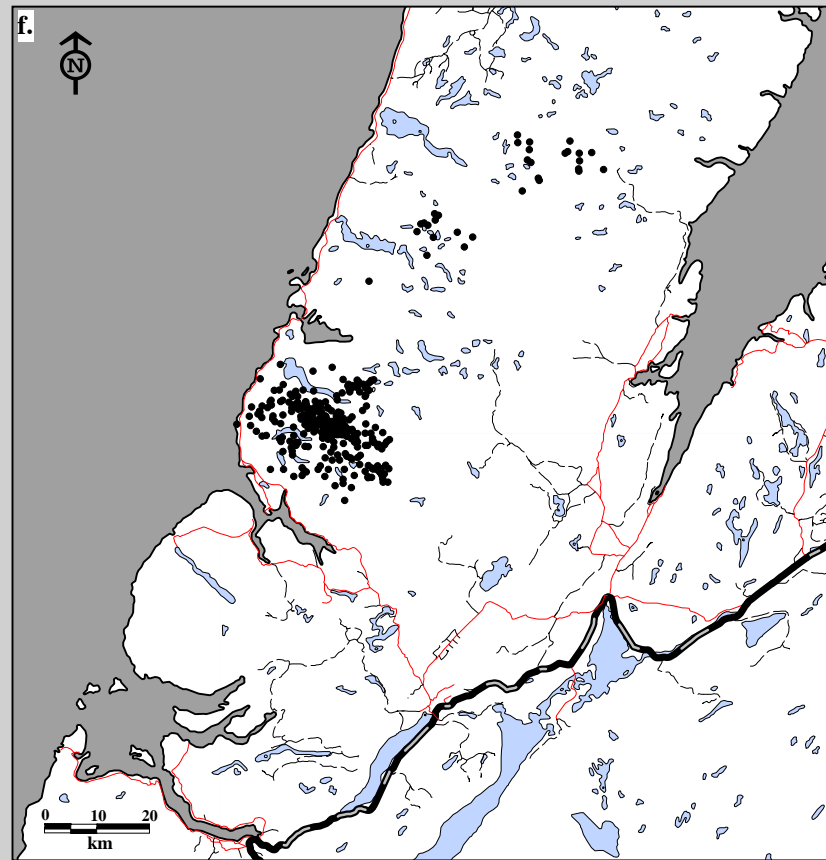
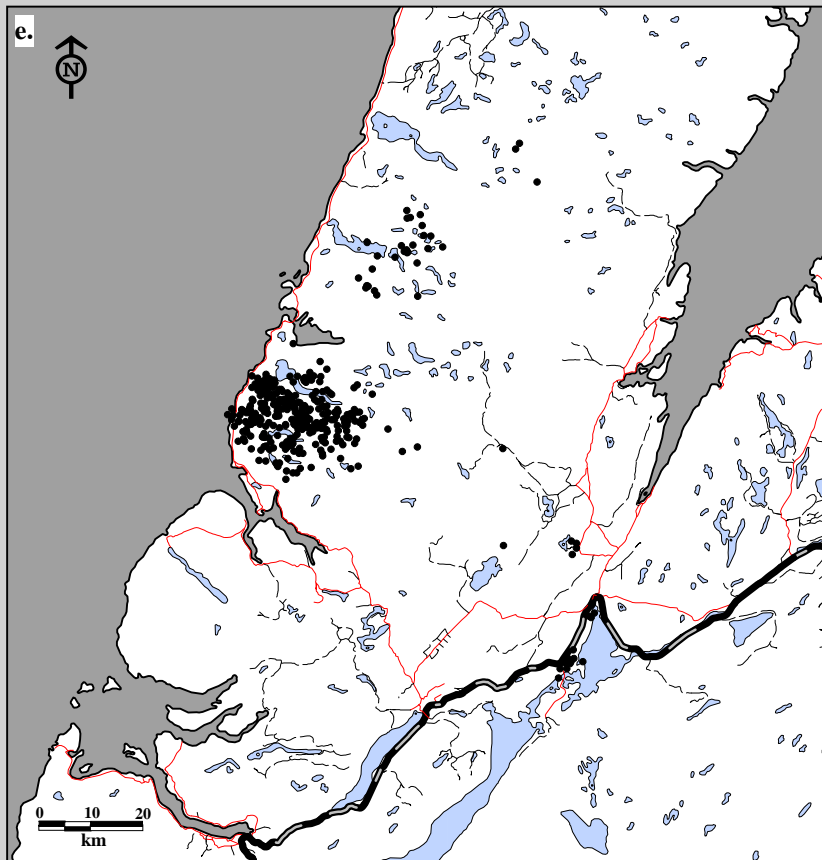


Fig. 8F-5. Gros Morne Caribou Herd locations from Argos satellite collars. Data for adult females in e. May (362 locations; 16 caribou; 63 surveys) and f. June (332 locations; 16 caribou; 61 surveys), 1993-95. Only adult females collared.



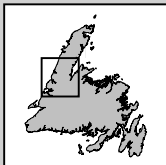
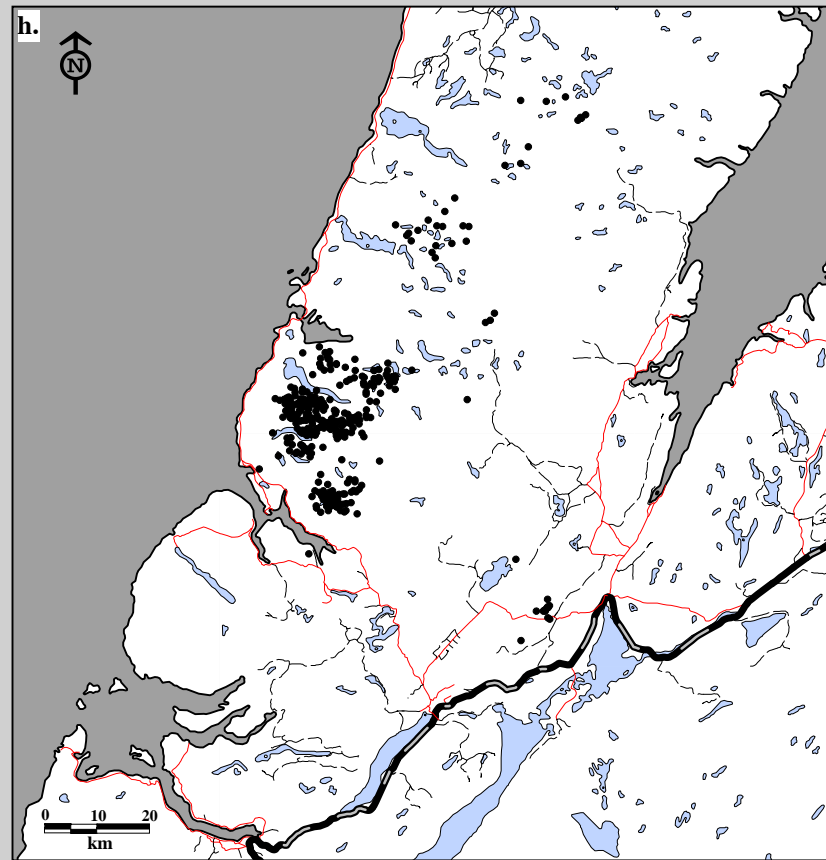
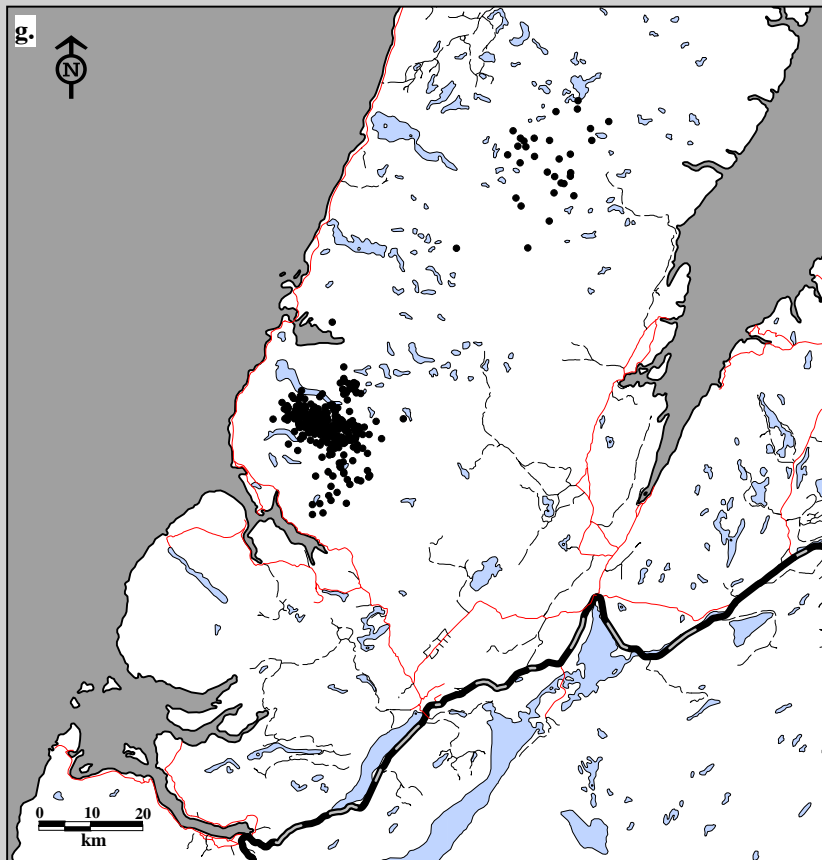


Fig. 8F-5. Gros Morne Caribou Herd locations from Argos satellite collars. Data for adult females in g. July (328 locations; 16 caribou; 62 surveys) and h. August (341 locations; 16 caribou; 63 surveys), 1993-95. Only adult females collared.

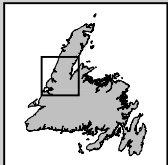
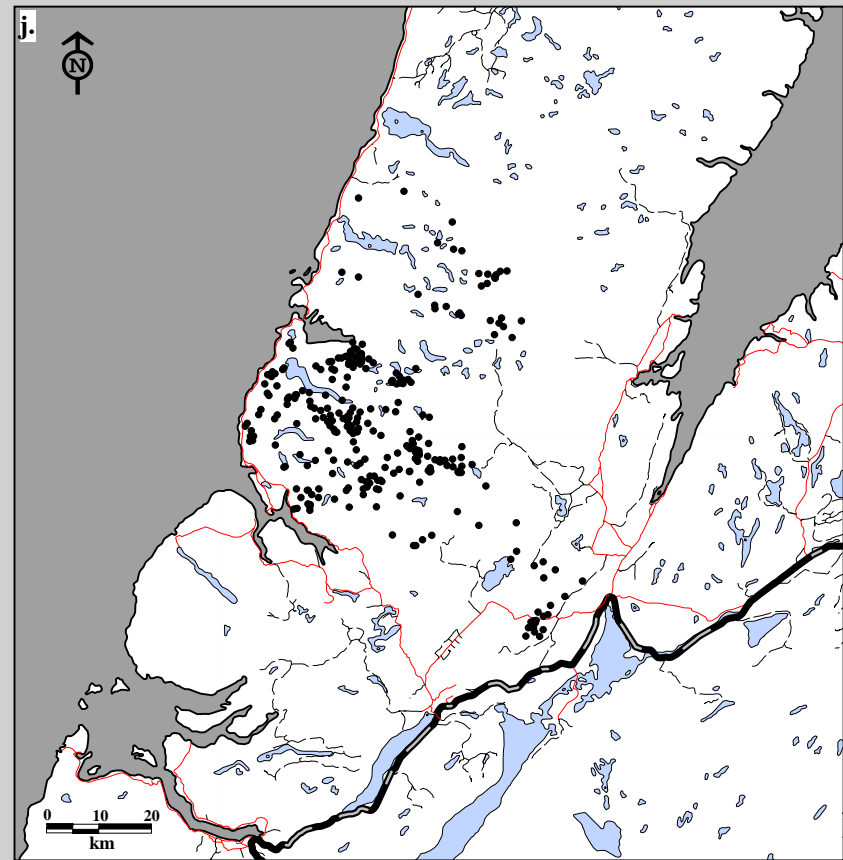
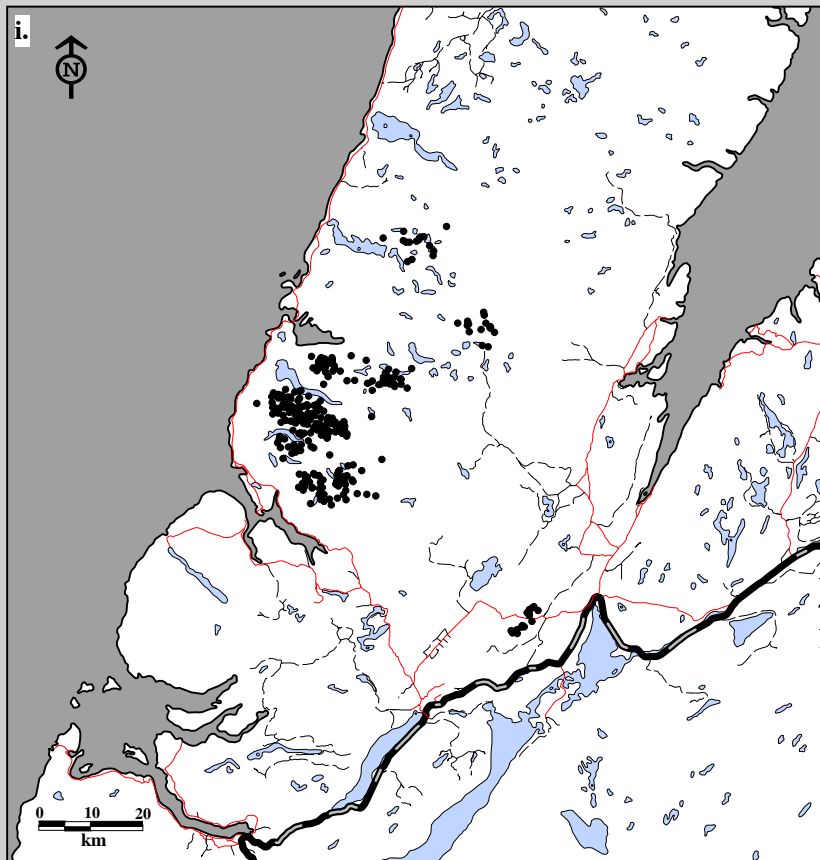


Fig. 8F-5. Gros Morne Caribou Herd locations from Argos satellite collars. Data for adult females in i. September (307 locations; 16 caribou; 61 surveys) and j. October (286 locations; 16 caribou; 50 surveys), 1993-95. Only adult females collared.

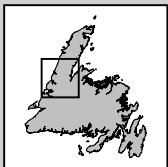
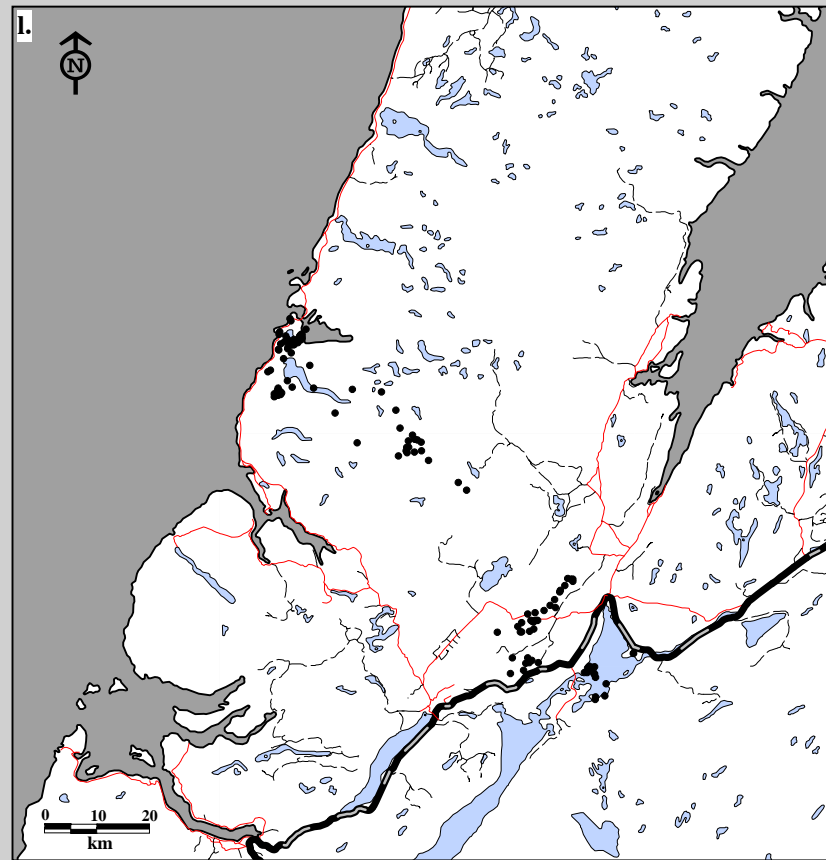
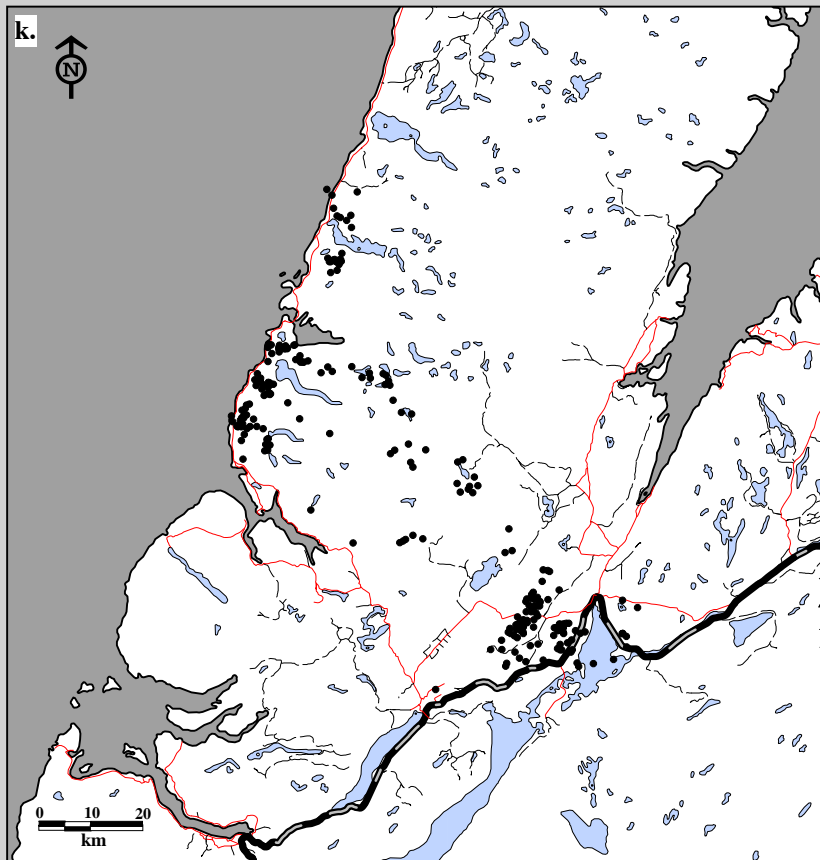
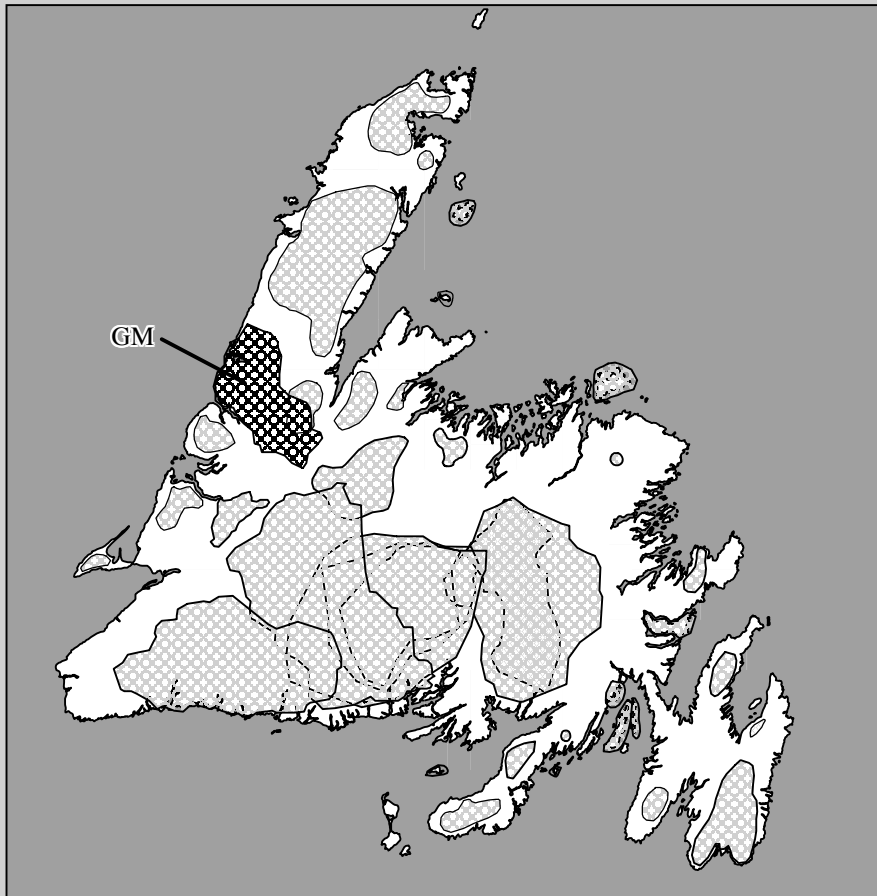
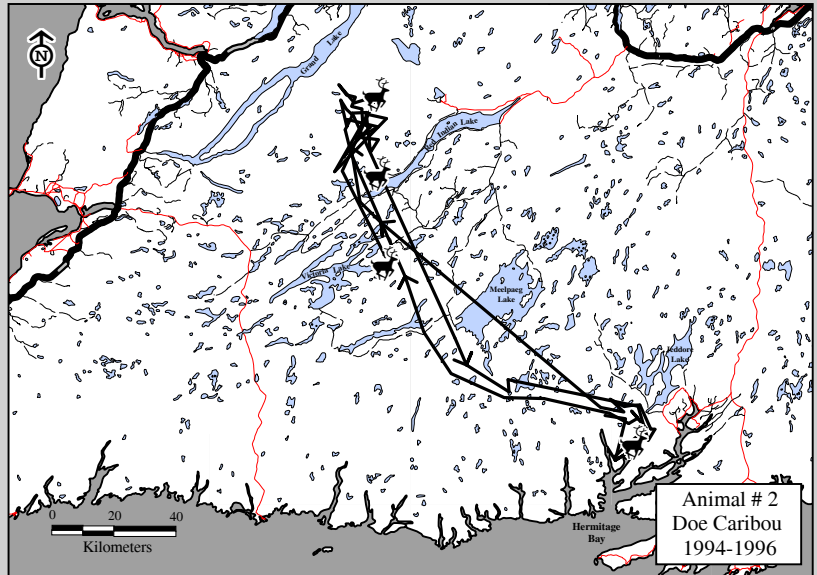


Fig. 8F-5. Gros Morne Caribou Herd locations from Argos satellite collars. Data for adult females in k. November (250 locations; 16 caribou; 45 surveys) and l. December (126 locations; 9 caribou; 17 surveys), 1993-95. Only adult females collared.

**Section 8G:  
ARGOS Satellite  
Home Ranges by Herd  
Composition and Time.  
Minimum Convex Polygon  
and Harmonic Mean.**



**Caribou Herd**  
**Gros Morne (GM)**

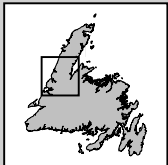
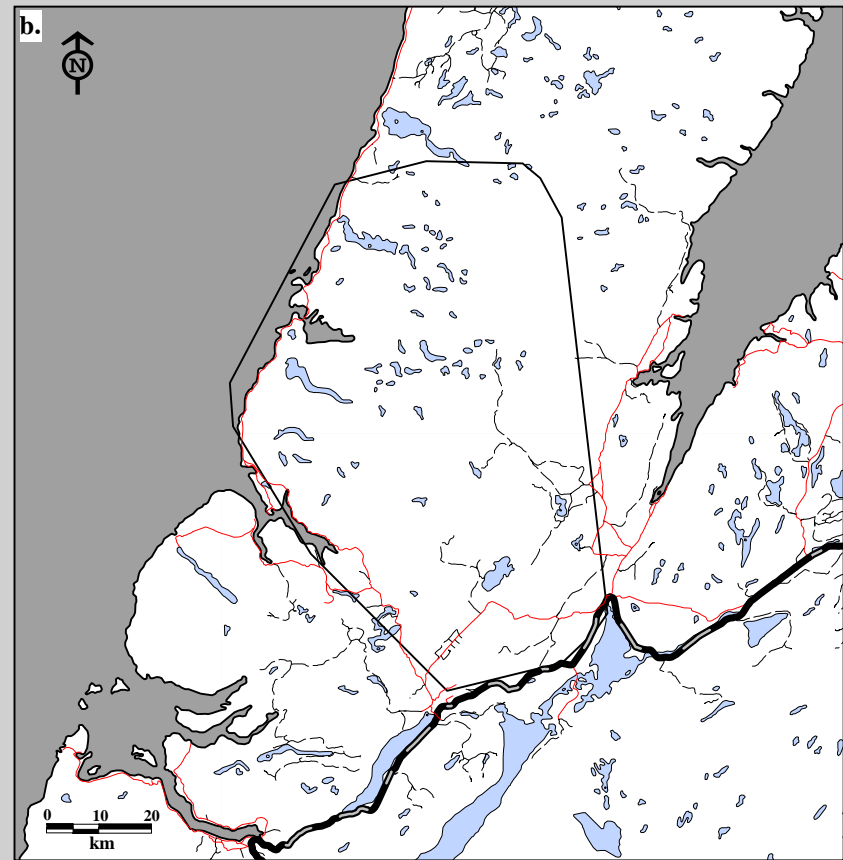
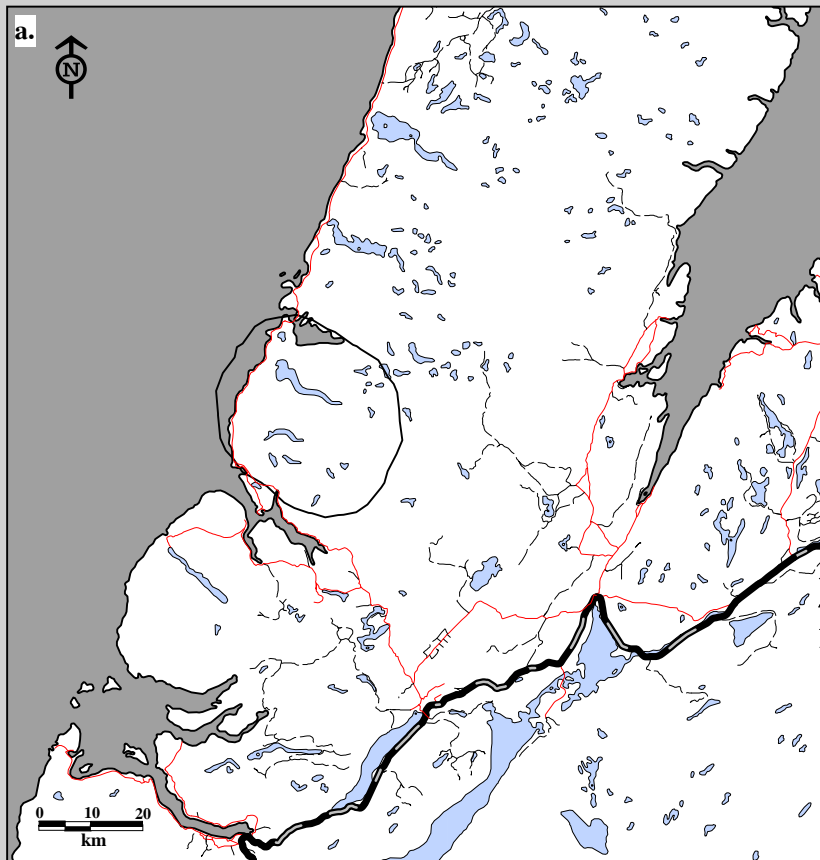


Fig. 8G-1. Gros Morne Caribou Herd Argos Satellite locations for all cohorts Jan. 23, 1993 to Oct. 7, 1995.  
 a. Annual home ranges using 75% harmonic mean b. Annual home ranges using 95% minimum convex polygon.  
 Only adult females collared.

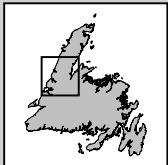
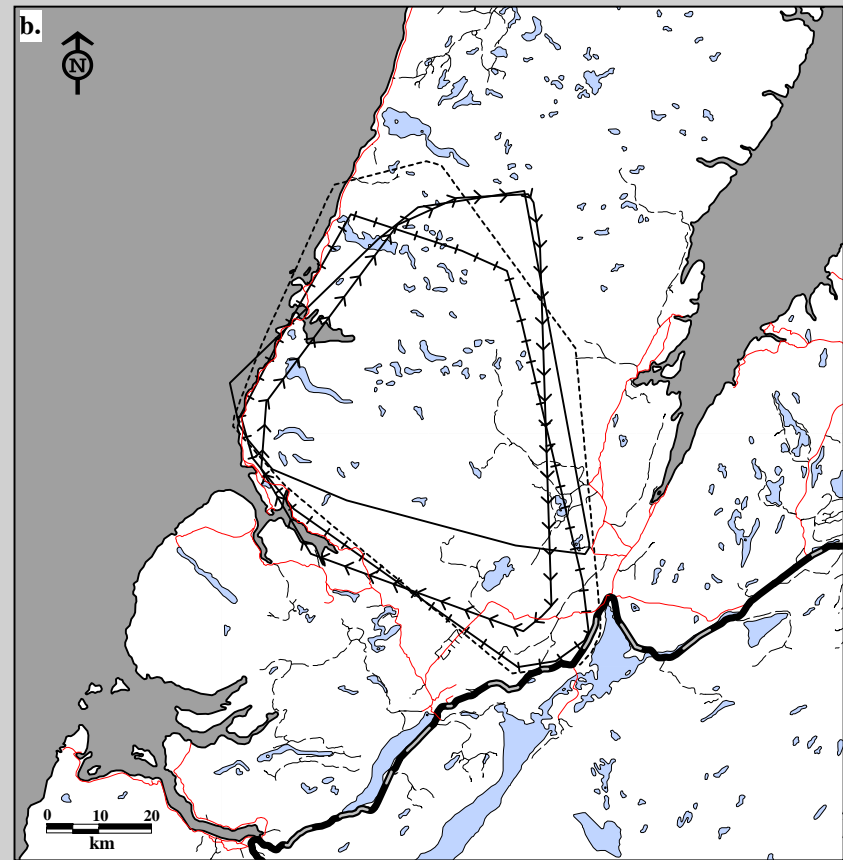
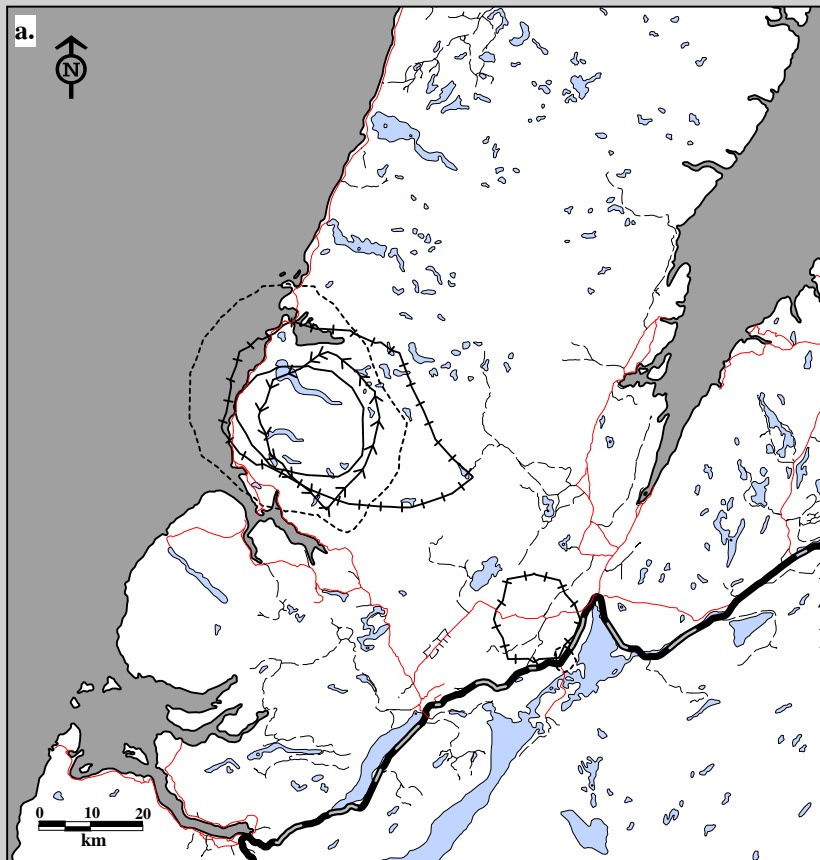
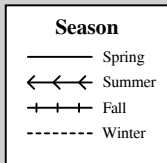


Fig. 8G-2. Gros Morne Caribou Herd Argos Satellite locations for all cohorts Jan. 23, 1993 to Oct. 7, 1995.  
 a. Seasonal home ranges using 75% harmonic mean b. Seasonal home ranges using 95% minimum convex polygon.  
 Only adult females collared.



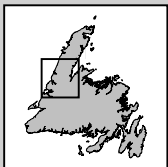
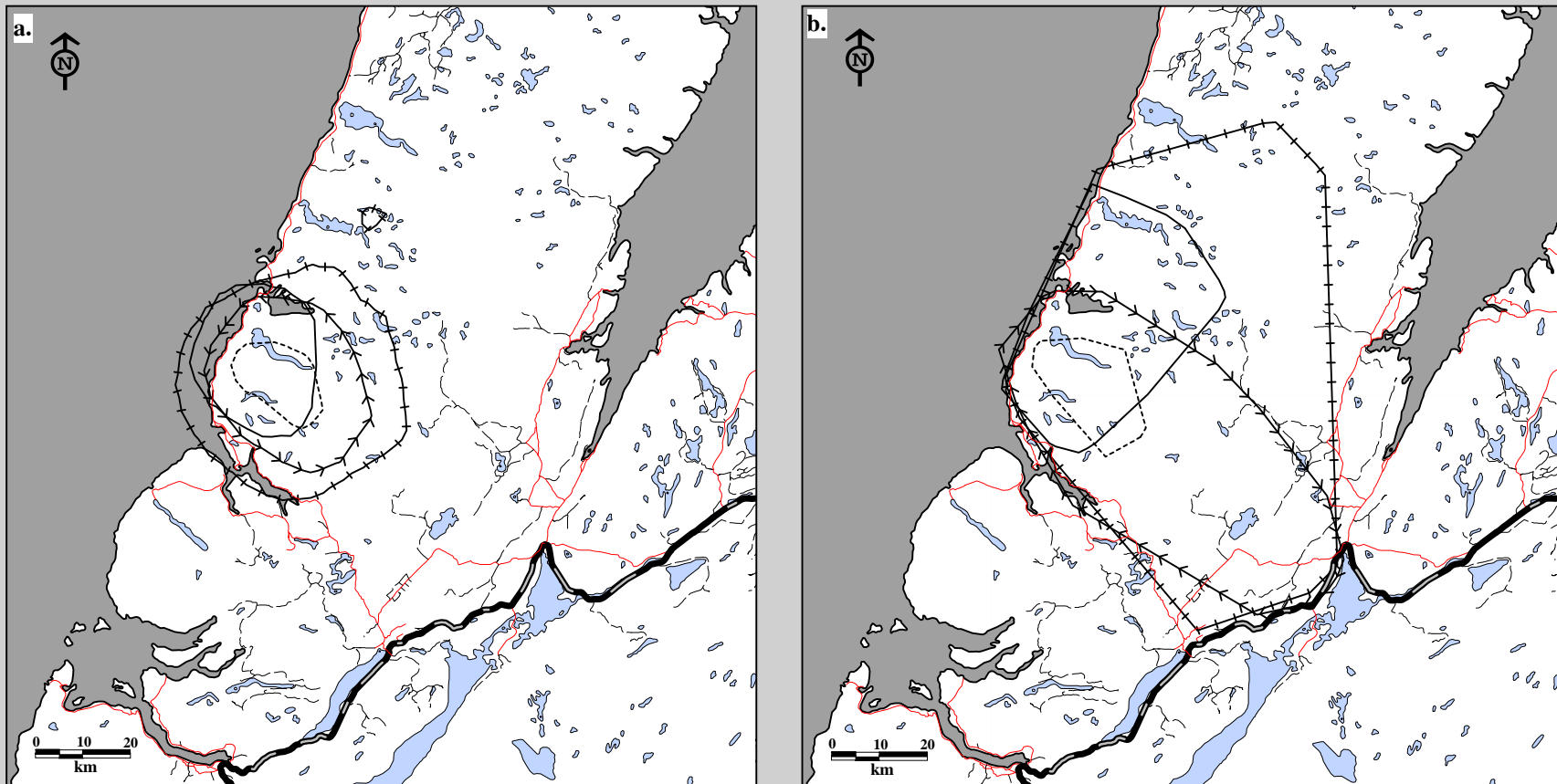
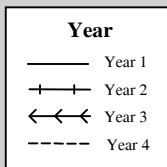


Fig. 8G-3. Gros Morne Caribou Herd Argos Satellite locations for all cohorts Jan. 23, 1993 to Oct. 7, 1995.  
 a. Annual home ranges using 75% harmonic mean b. Annual home ranges using 95% minimum convex polygon.  
 Only adult females collared.





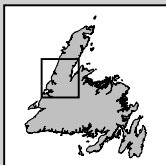
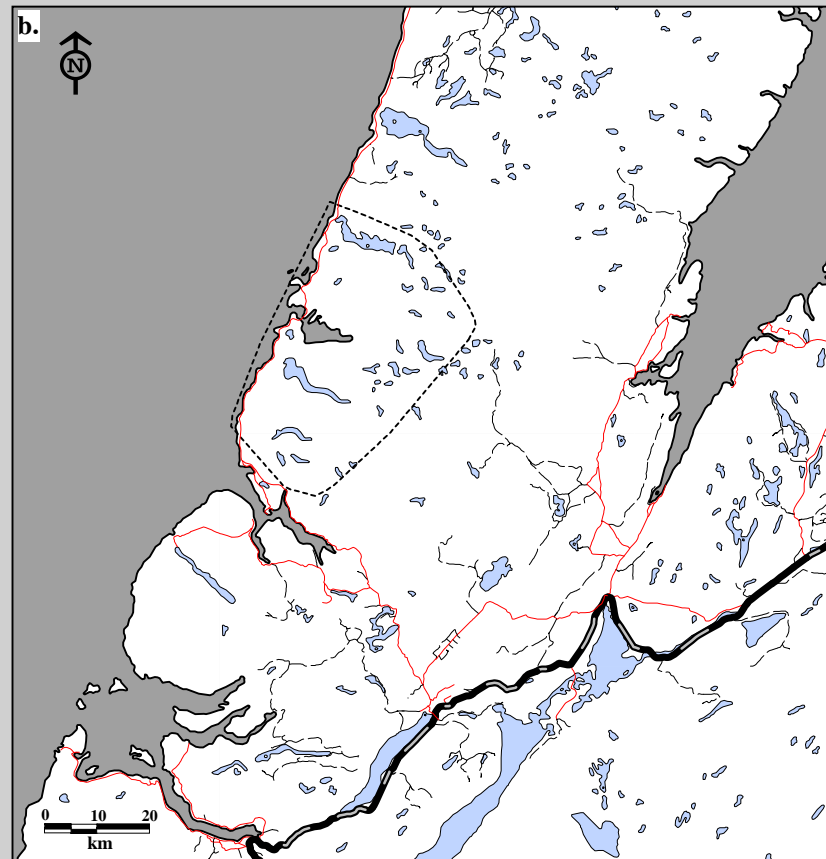
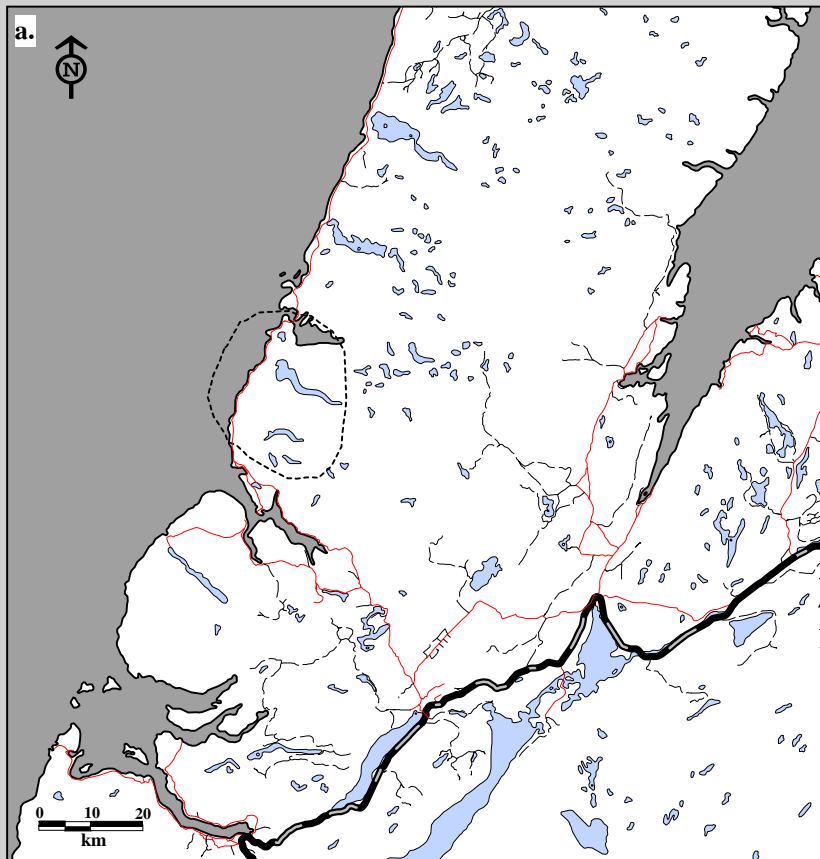


Fig. 8G-4. Gros Morne Caribou Herd Argos Satellite locations for all cohorts Jan. 23, 1993 to April 30, 1993.  
 a. Seasonal home ranges using 75% harmonic mean b. Seasonal home ranges using 95% minimum convex polygon.  
 Only adult females collared.

**Season**

----- Winter



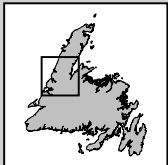
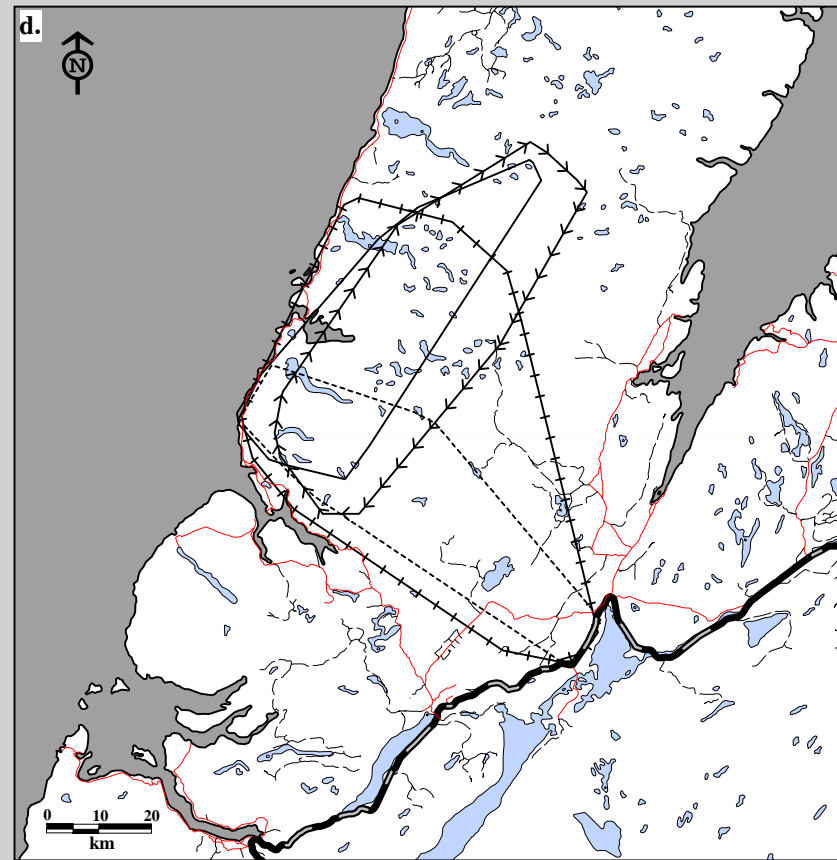
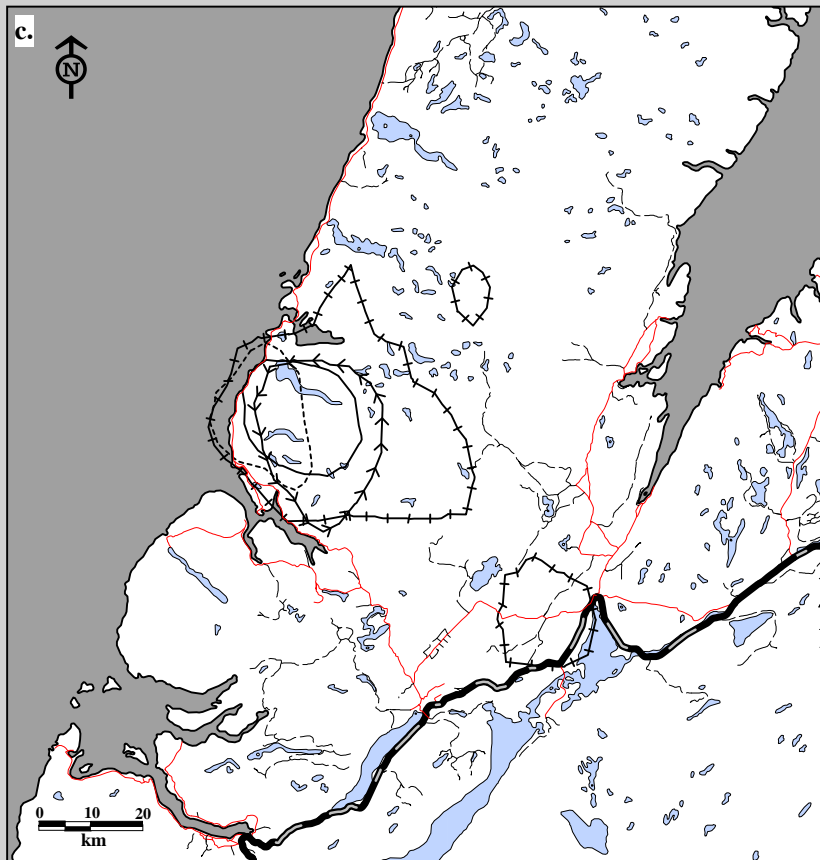


Fig. 8G-4. Gros Morne Caribou Herd Argos Satellite locations for all cohorts May 1, 1993 to April 30, 1994.  
 c. Seasonal home ranges using 75% harmonic mean d. Seasonal home ranges using 95% minimum convex polygon.  
 Only adult females collared.

**Season**

- Spring
- ←←← Summer
- + + + Fall
- - - Winter

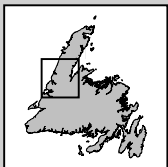
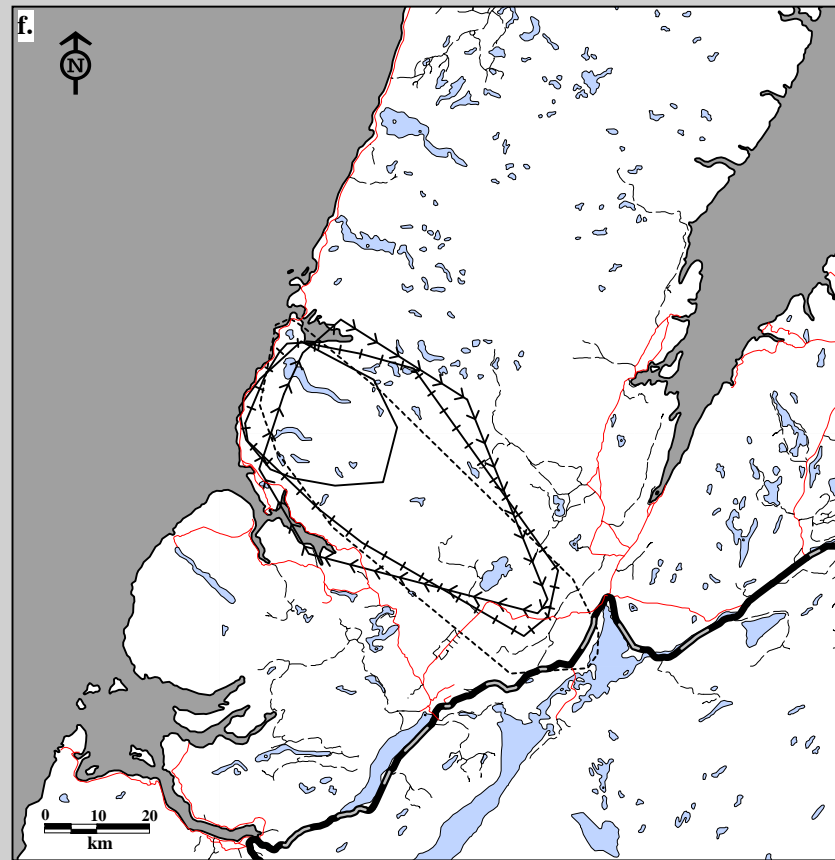
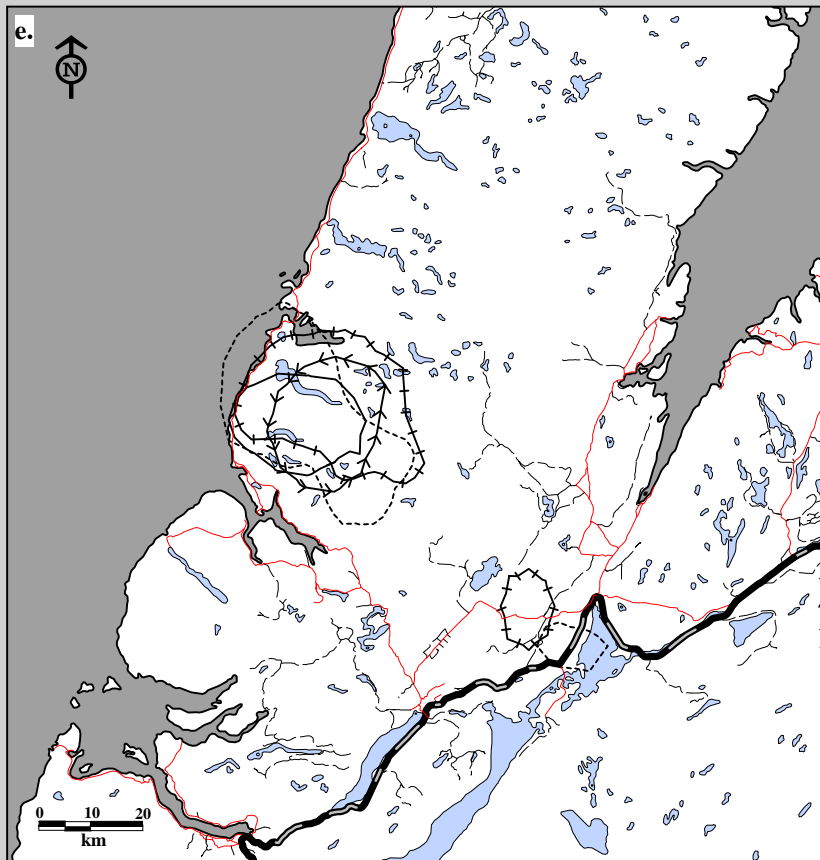


Fig. 8G-4. Gros Morne Caribou Herd Argos Satellite locations for all cohorts May 1, 1994 to April 30, 1995.  
 e. Seasonal home ranges using 75% harmonic mean f. Seasonal home ranges using 95% minimum convex polygon.  
 Only adult females collared.

**Season**

- Spring
- ←← Summer
- +++ Fall
- Winter

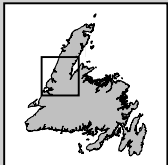
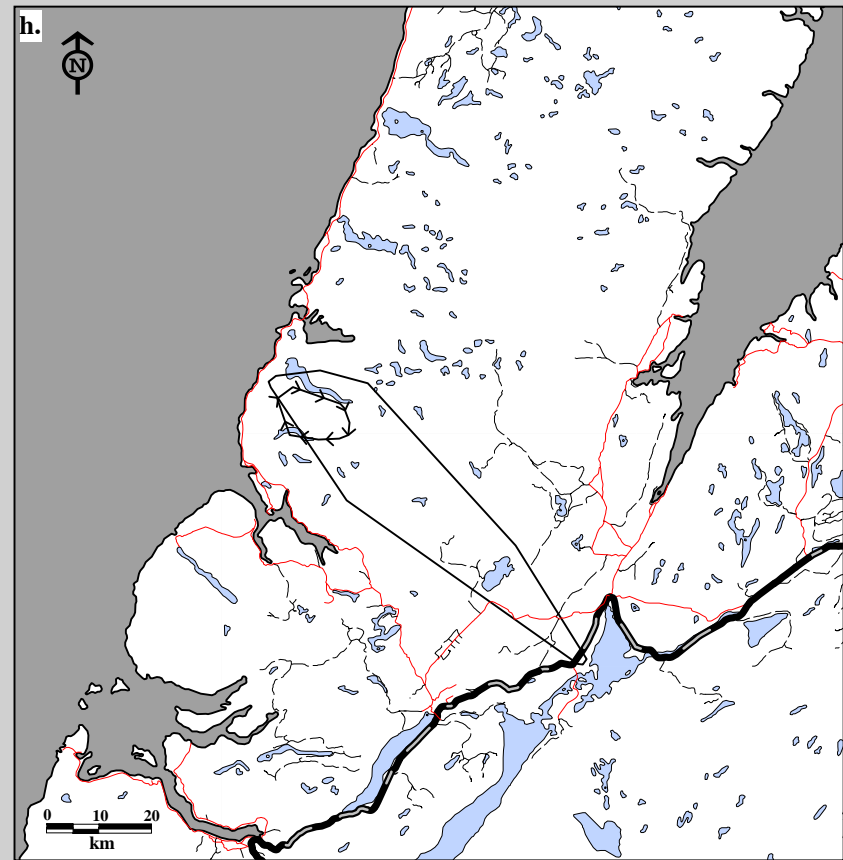
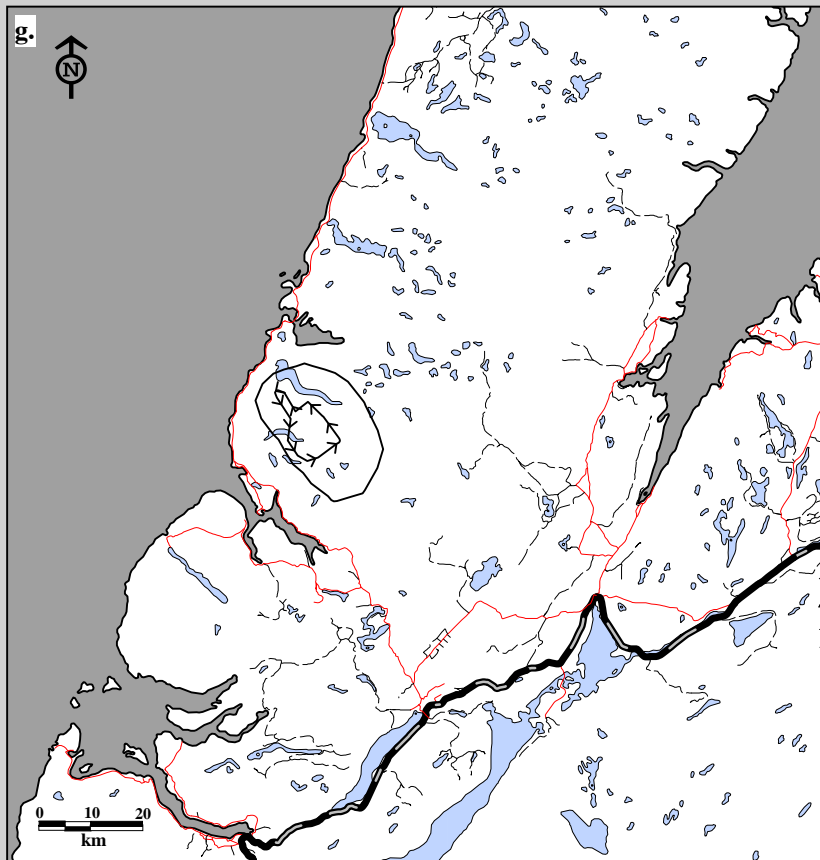


Fig. 8G-4. Gros Morne Caribou Herd Argos Satellite locations for all cohorts May 1, 1995 to Oct. 7, 1995.  
 g. Seasonal home ranges using 75% harmonic mean h. Seasonal home ranges using 95% minimum convex polygon.  
 Only adult females collared.

**Season**

— Spring  
 ←← Summer

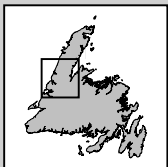
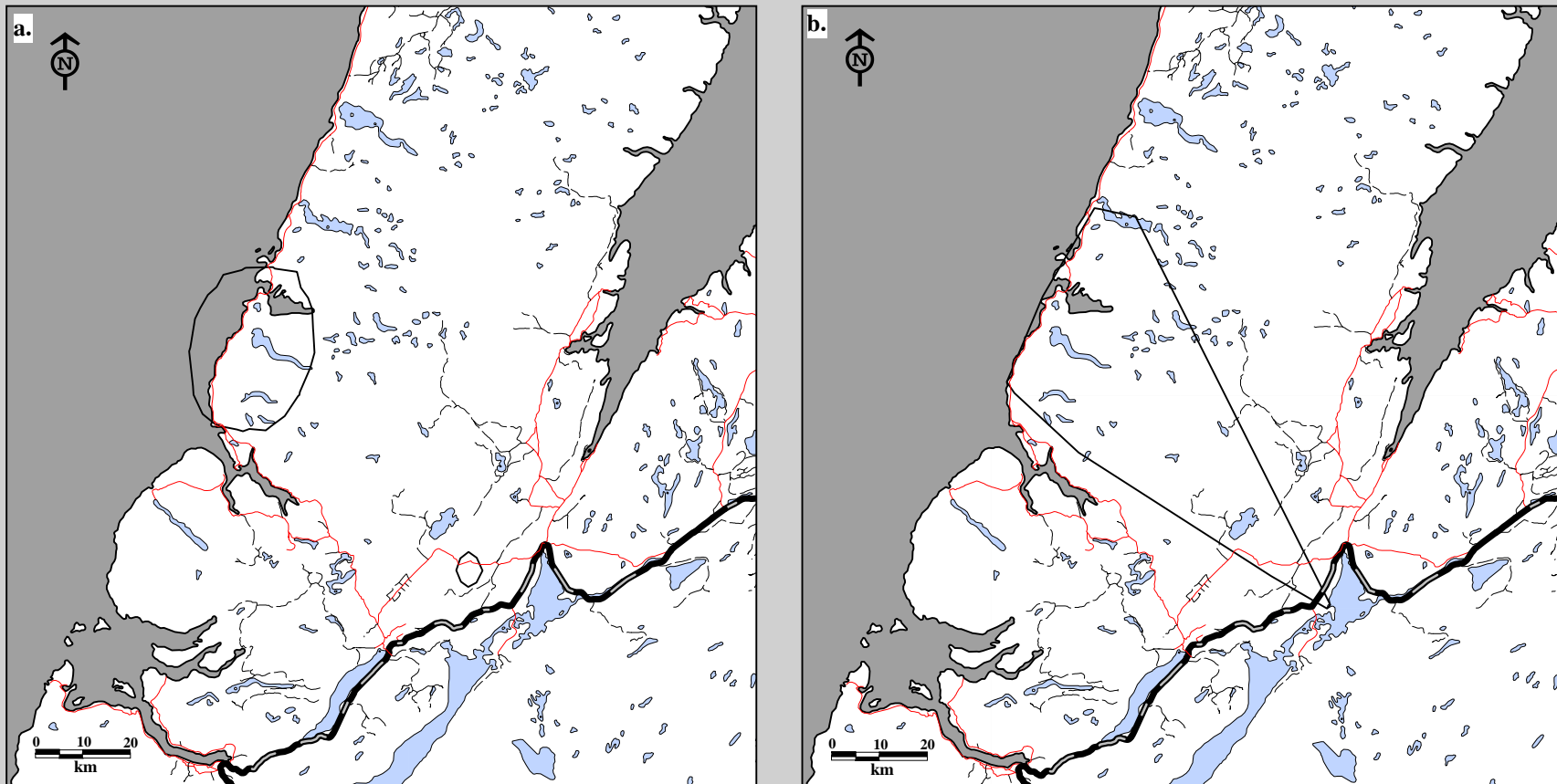


Fig. 8G-5. Gros Morne Caribou Herd Argos Satellite locations for all cohorts, January 1993-95.  
 a. Home ranges using 75% harmonic mean b. Home ranges using 95% minimum convex polygon.  
 Only adult females collared.

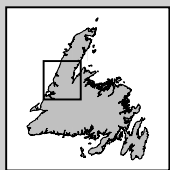
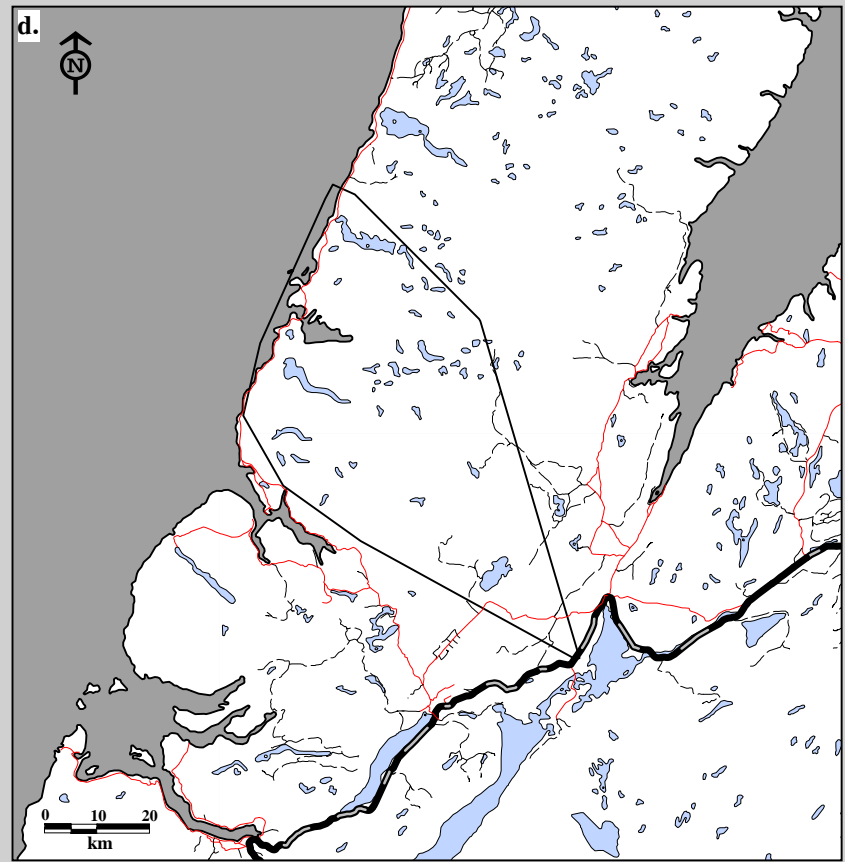
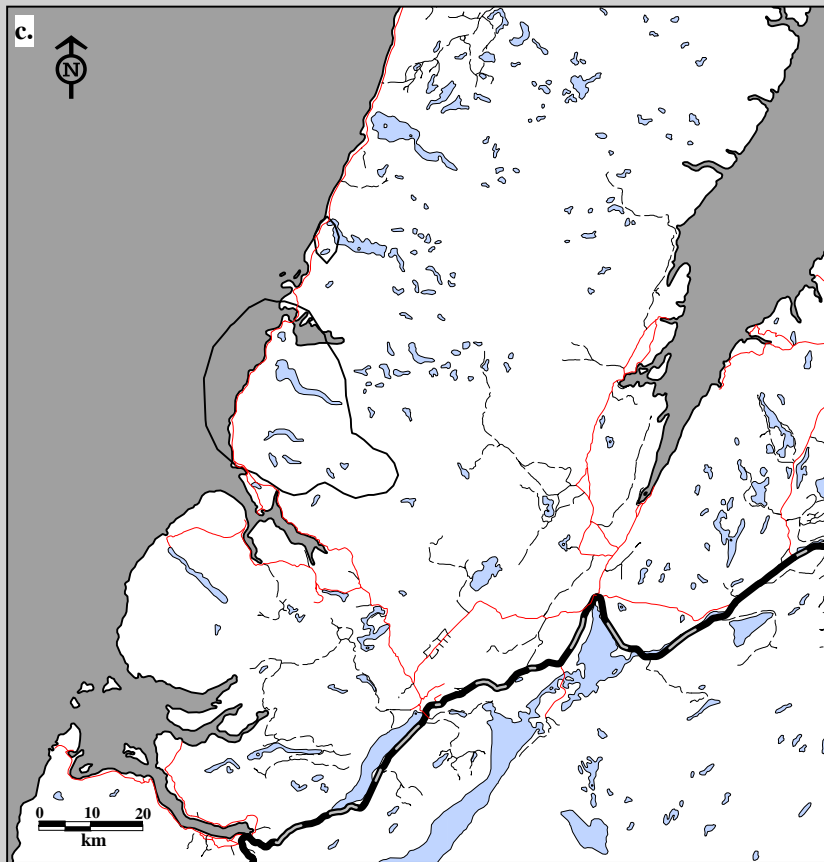


Fig. 8G-5. Gros Morne Caribou Herd Argos Satellite locations for all cohorts, February 1993-95.  
c. Home ranges using 75% harmonic mean d. Home ranges using 95% minimum convex polygon.  
Only adult females collared.

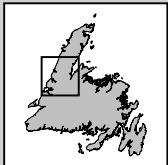
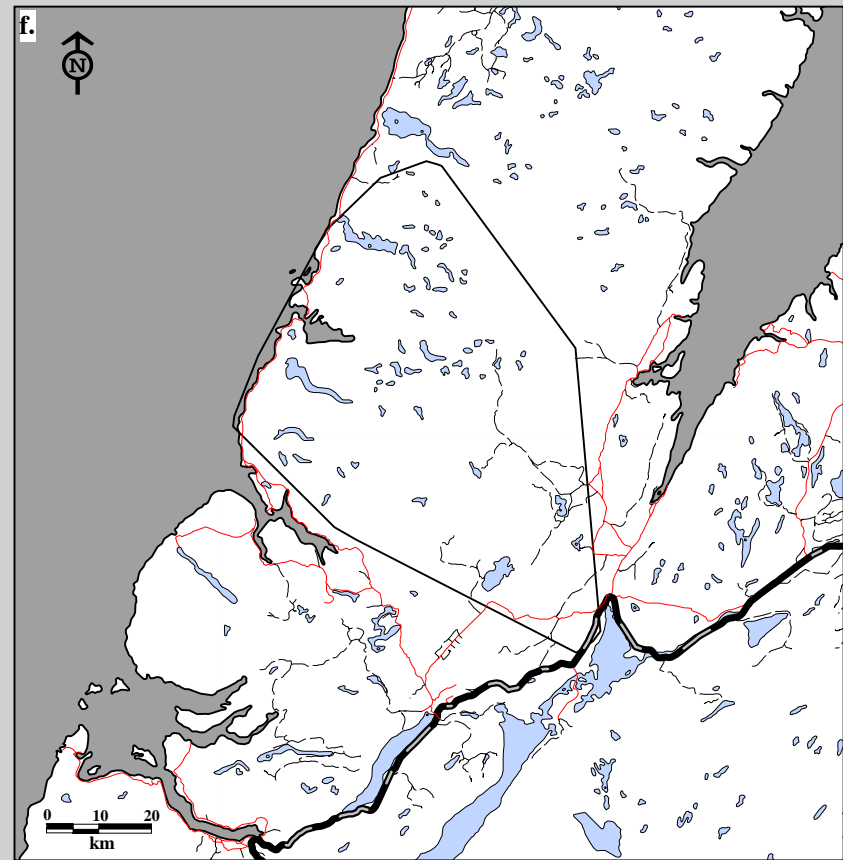
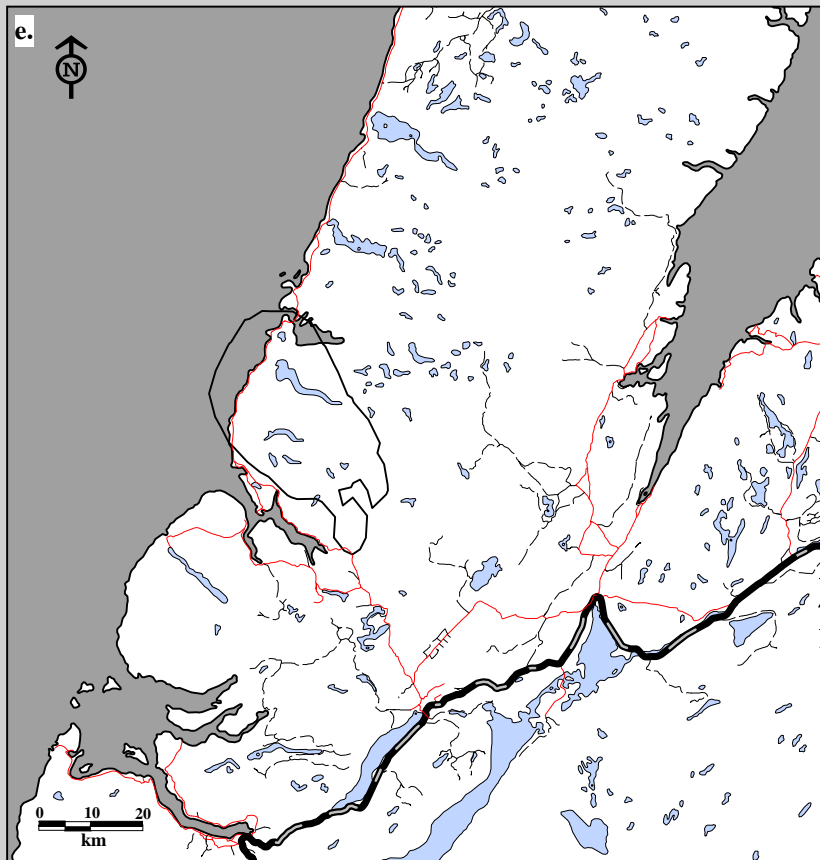


Fig. 8G-5. Gros Morne Caribou Herd Argos Satellite locations for all cohorts, March 1993-95.  
 e. Home ranges using 75% harmonic mean f. Home ranges using 95% minimum convex polygon.  
 Only adult females collared.

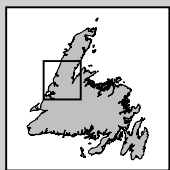
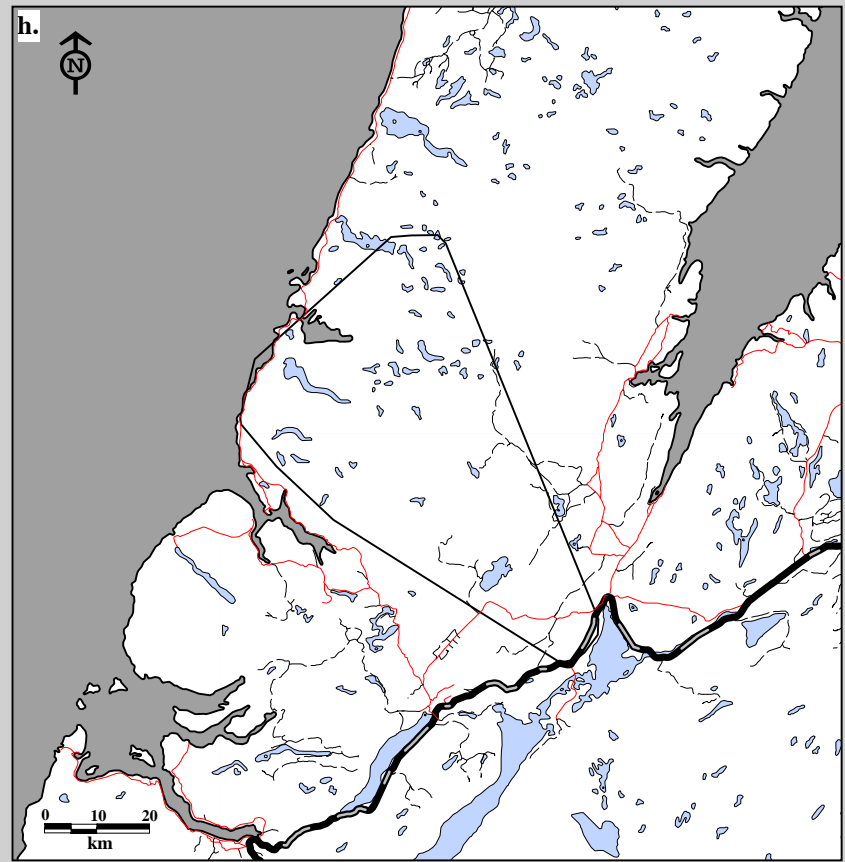
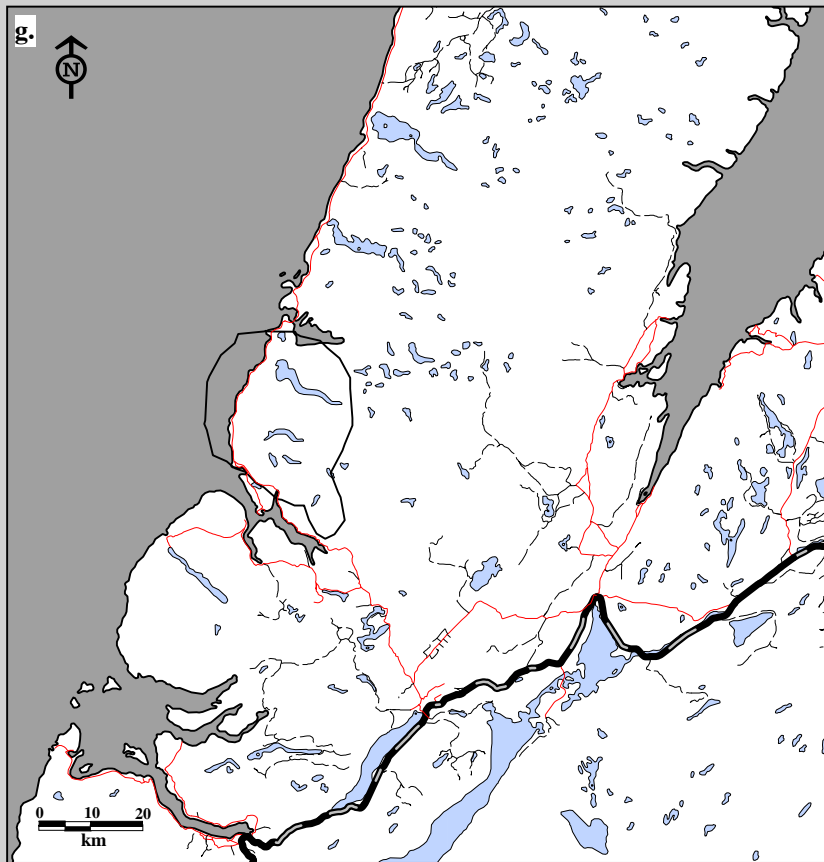


Fig. 8G-5. Gros Morne Caribou Herd Argos Satellite locations for all cohorts, April 1993-95.  
g. Home ranges using 75% harmonic mean h. Home ranges using 95% minimum convex polygon.  
Only adult females collared.



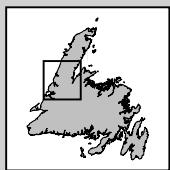
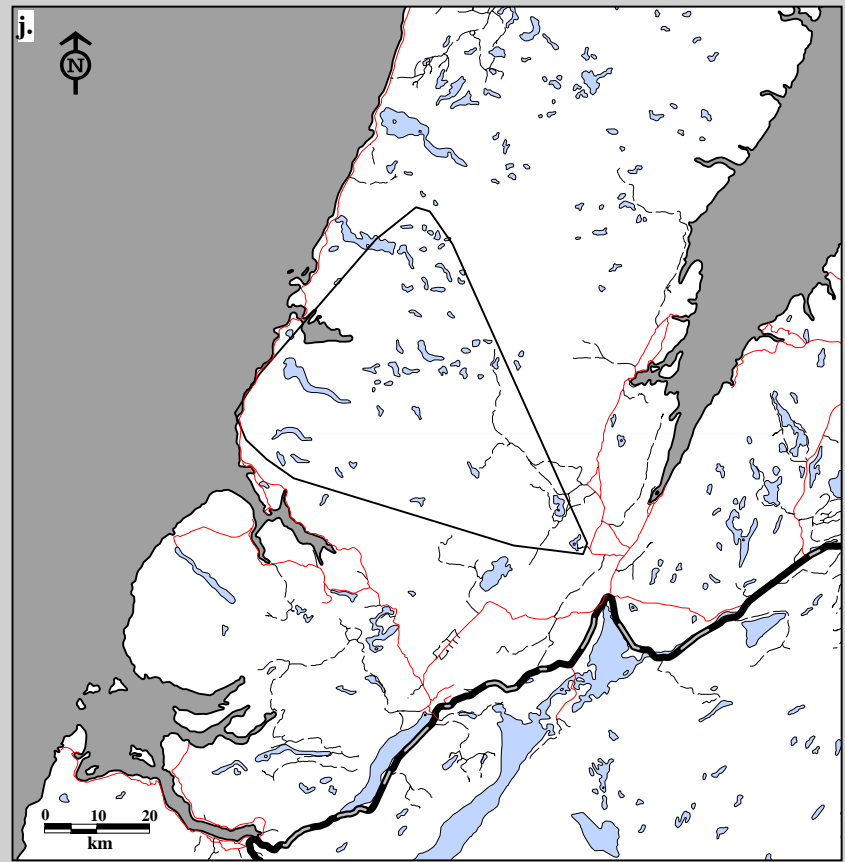
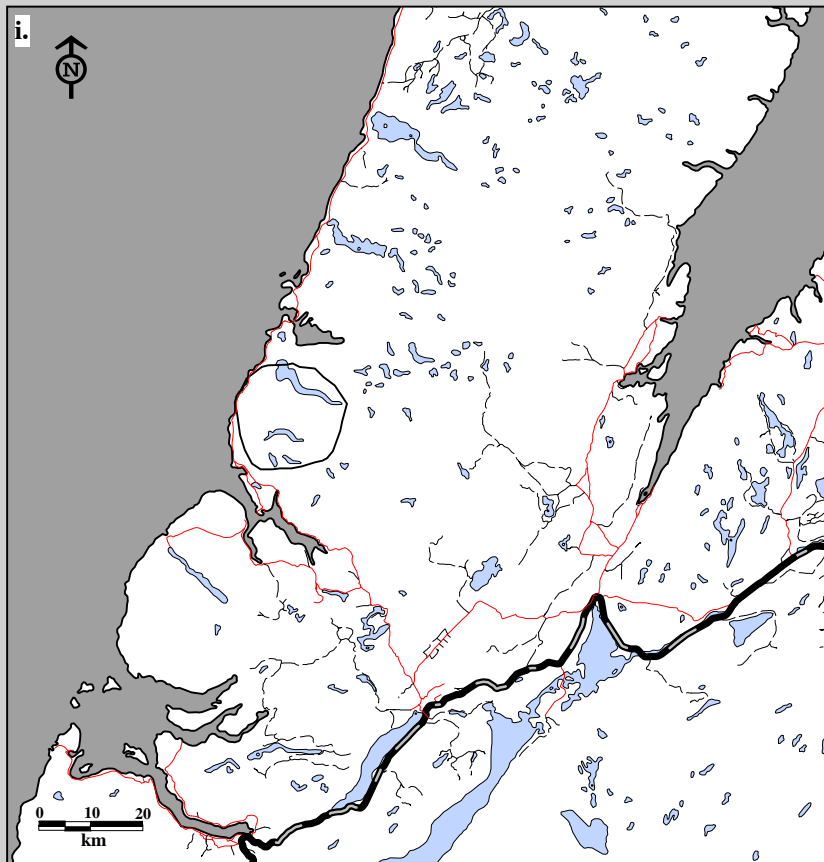


Fig. 8G-5. Gros Morne Caribou Herd Argos Satellite locations for all cohorts, May 1993-95.  
i. Home ranges using 75% harmonic mean j. Home ranges using 95% minimum convex polygon.  
Only adult females collared.



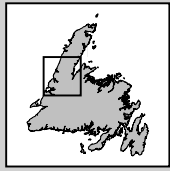
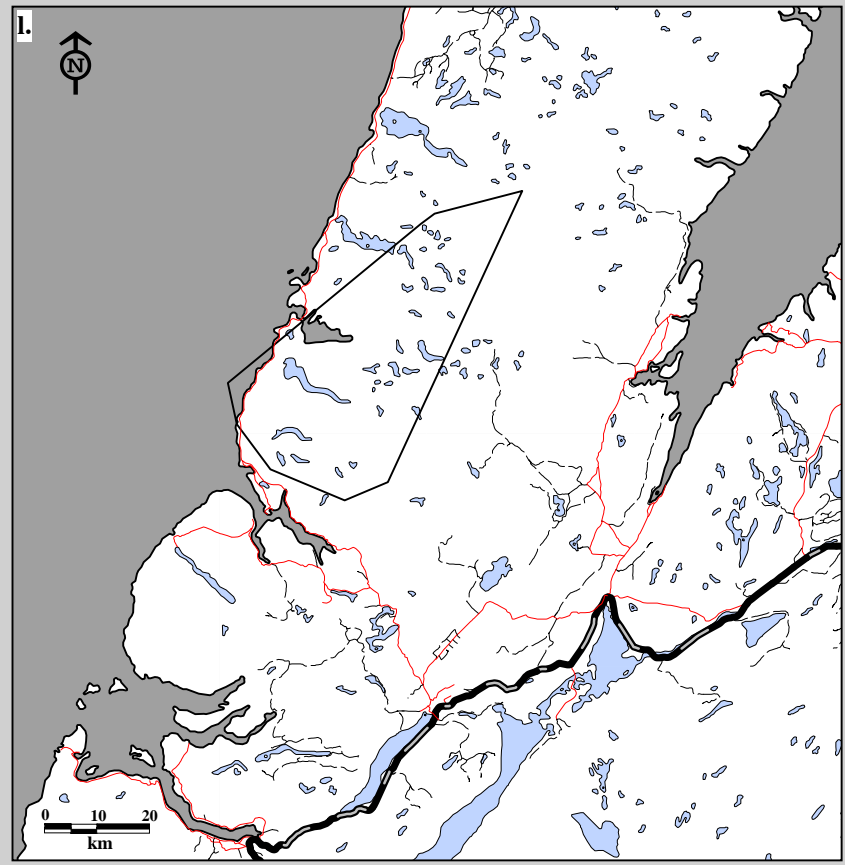
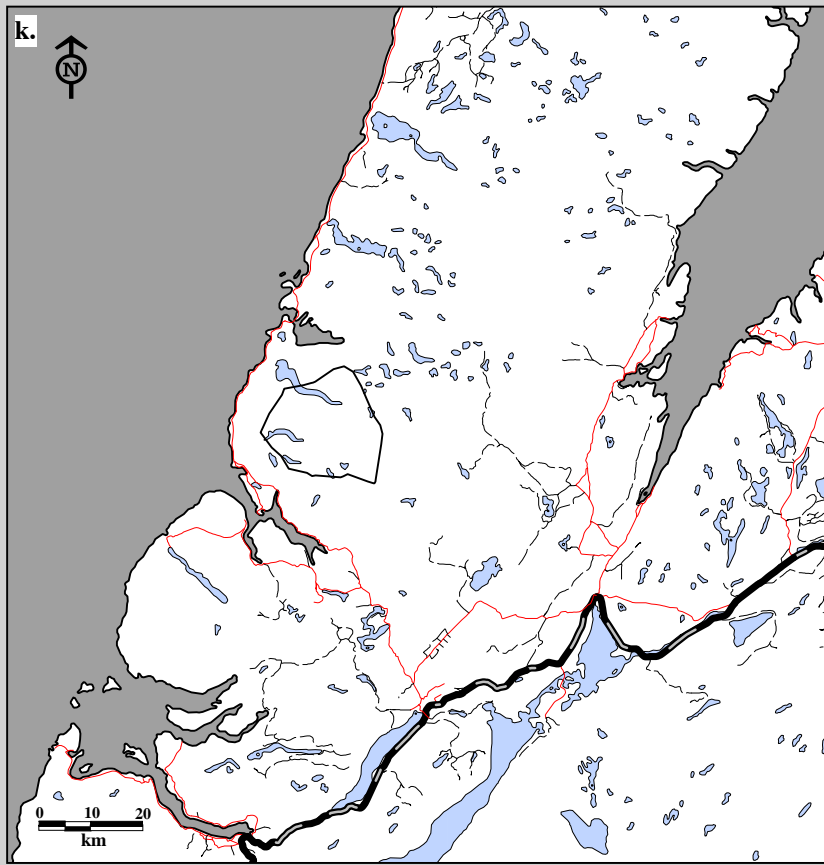


Fig. 8G-5. Gros Morne Caribou Herd Argos Satellite locations for all cohorts, June 1993-95.  
k. Home ranges using 75% harmonic mean l. Home ranges using 95% minimum convex polygon.  
Only adult females collared.

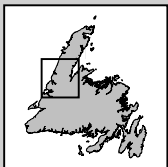
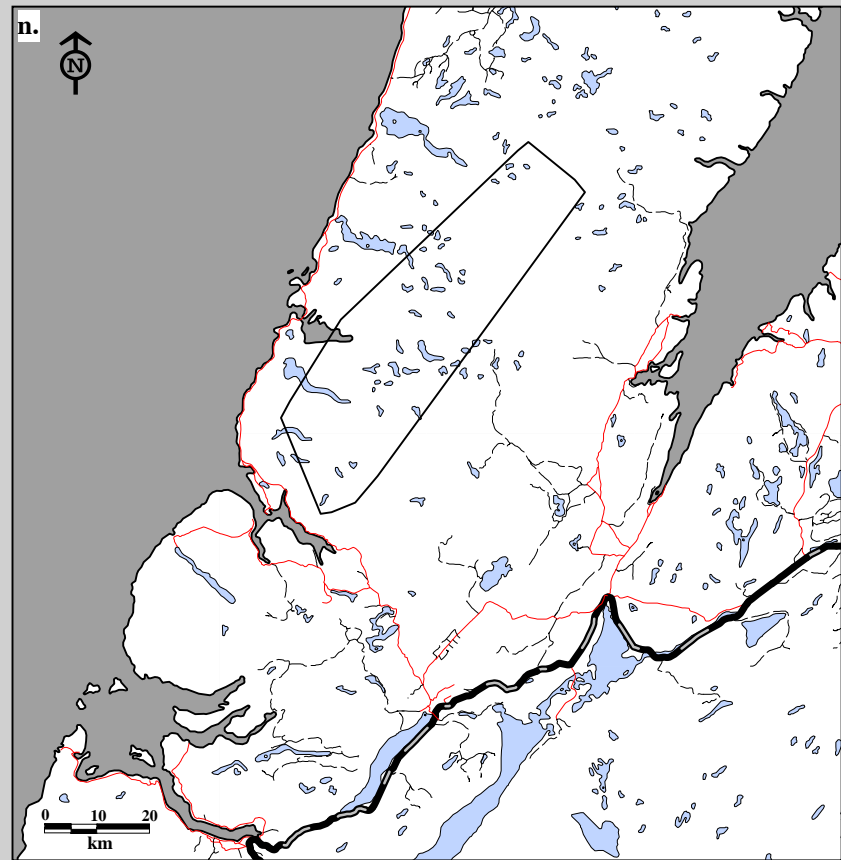
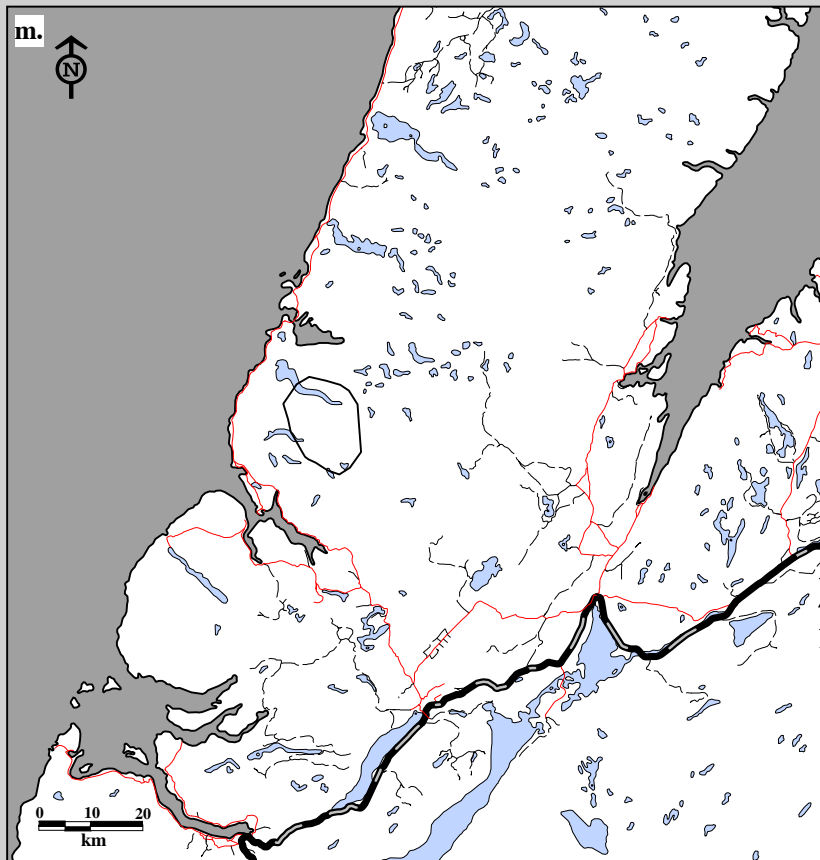


Fig. 8G-5. Gros Morne Caribou Herd Argos Satellite locations for all cohorts, July 1993-95.  
 m. Home ranges using 75% harmonic mean n. Home ranges using 95% minimum convex polygon.  
 Only adult females collared.

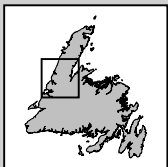
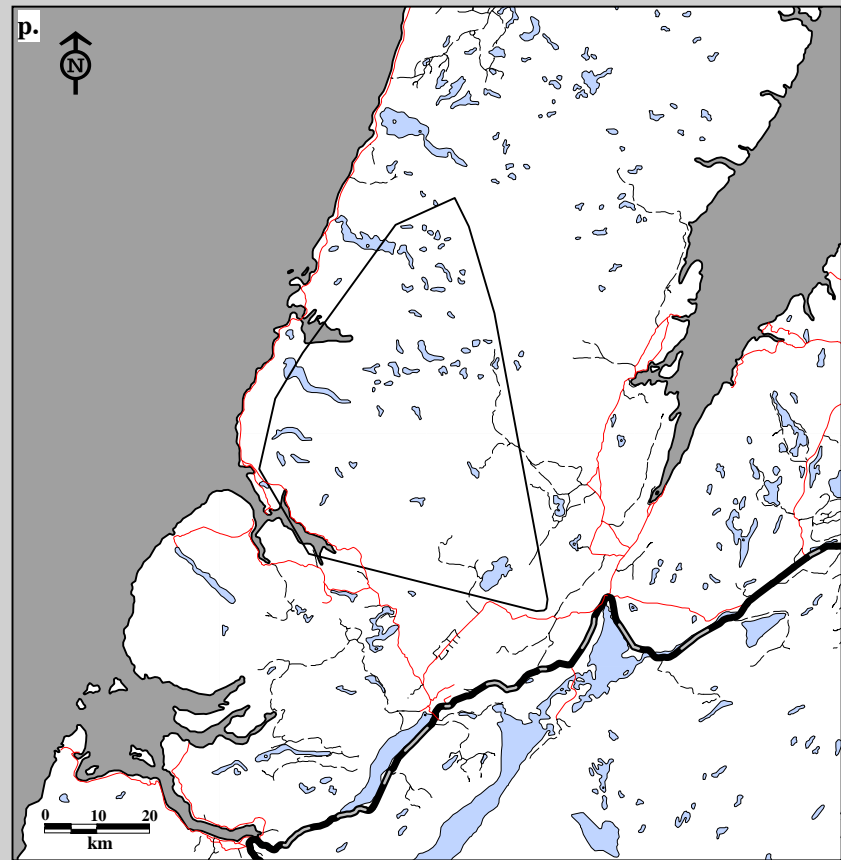
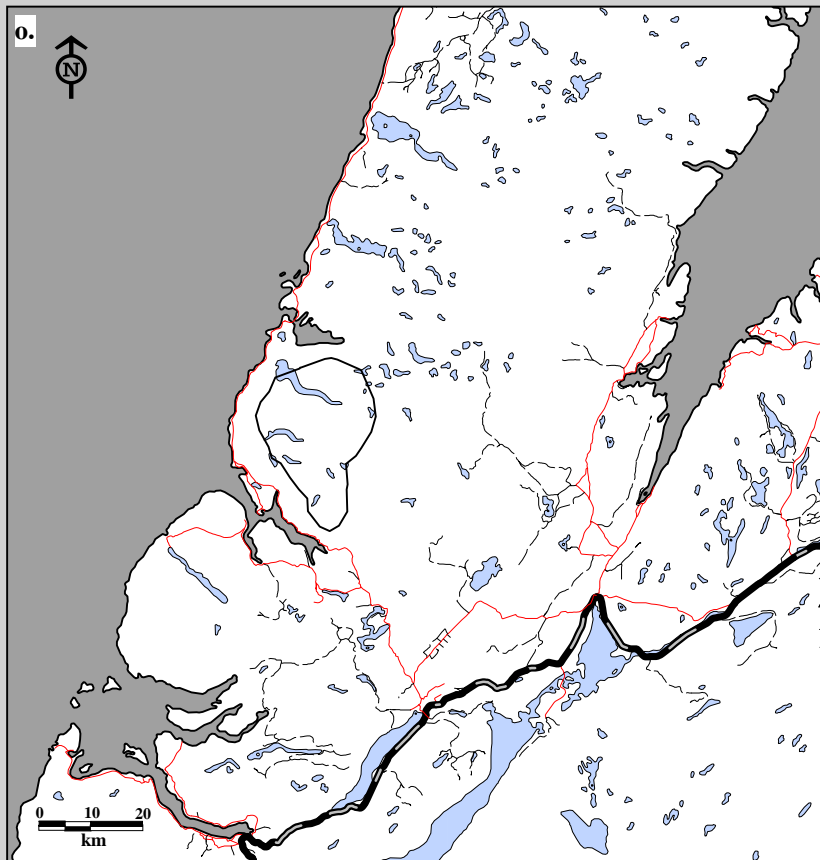


Fig. 8G-5. Gros Morne Caribou Herd Argos Satellite locations for all cohorts, August 1993-95.  
 o. Home ranges using 75% harmonic mean p. Home ranges using 95% minimum convex polygon.  
 Only adult females collared.

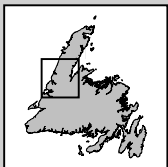
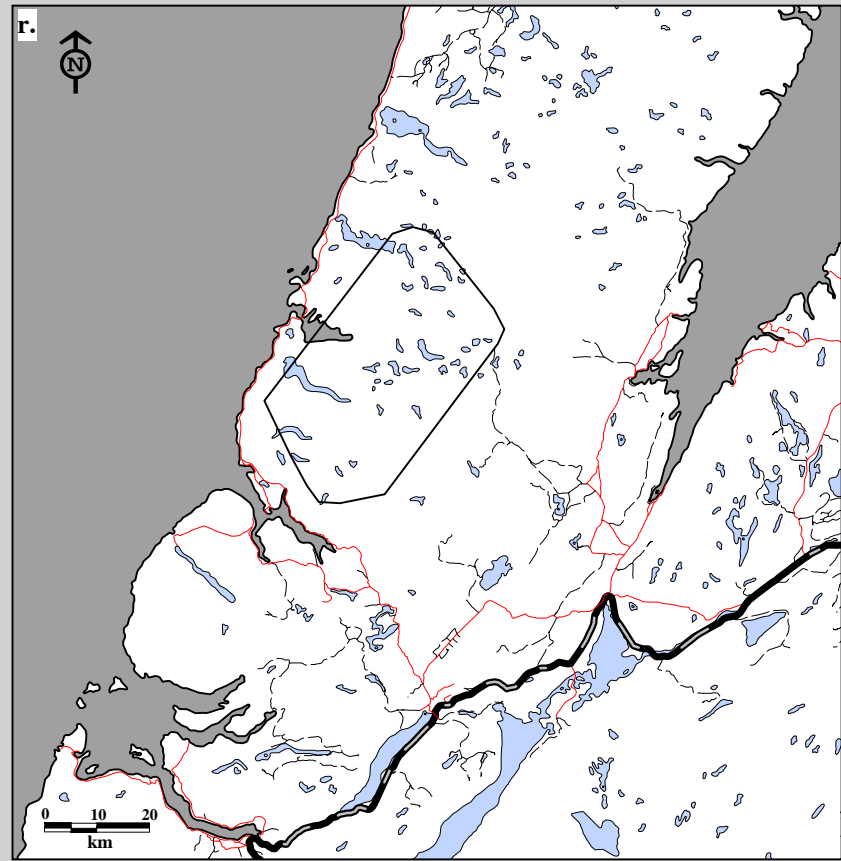
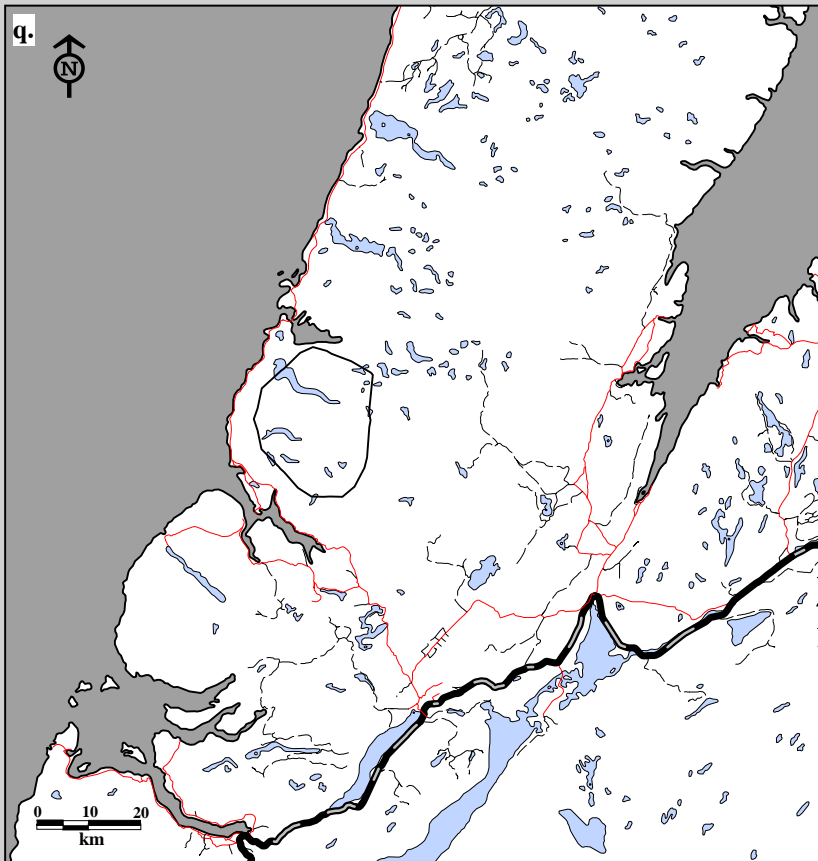


Fig. 8G-5. Gros Morne Caribou Herd Argos Satellite locations for all cohorts, September 1993-95.  
q. Home ranges using 75% harmonic mean r. Home ranges using 95% minimum convex polygon.  
Only adult females collared.

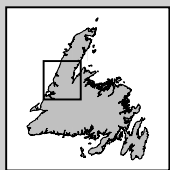
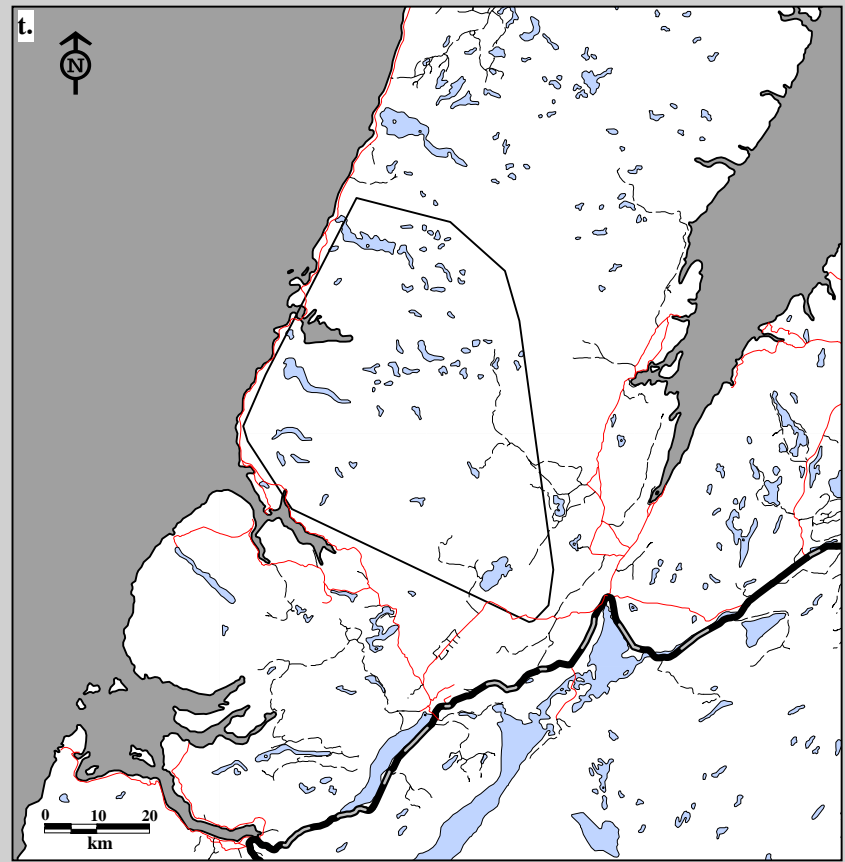
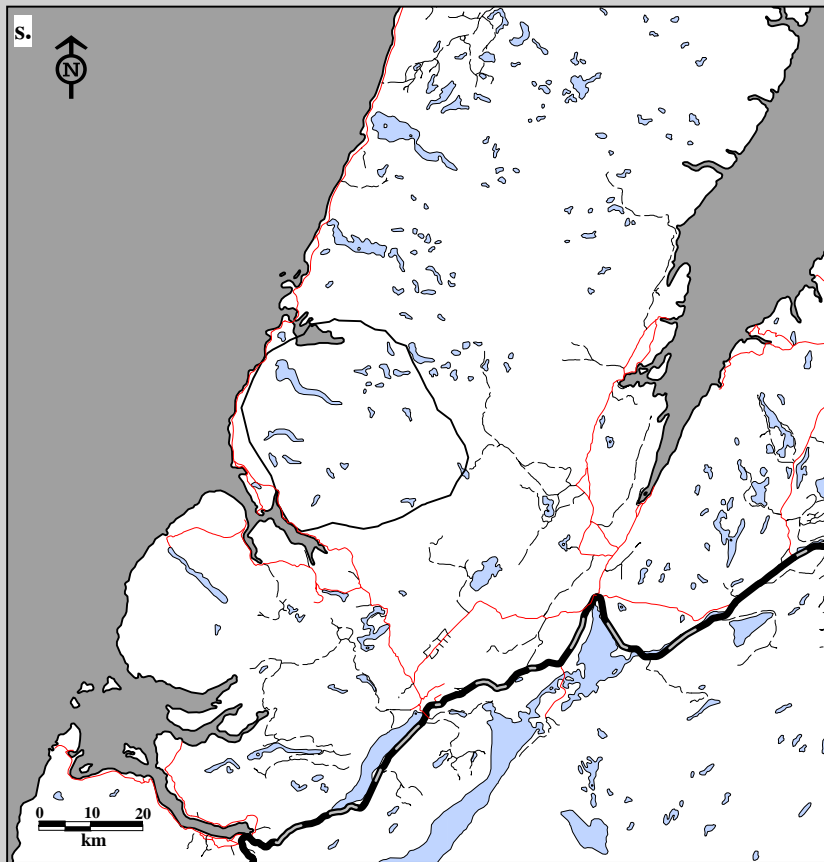


Fig. 8G-5. Gros Morne Caribou Herd Argos Satellite locations for all cohorts, October 1993-95.  
s. Home ranges using 75% harmonic mean t. Home ranges using 95% minimum convex polygon.  
Only adult females collared.

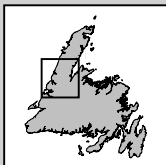
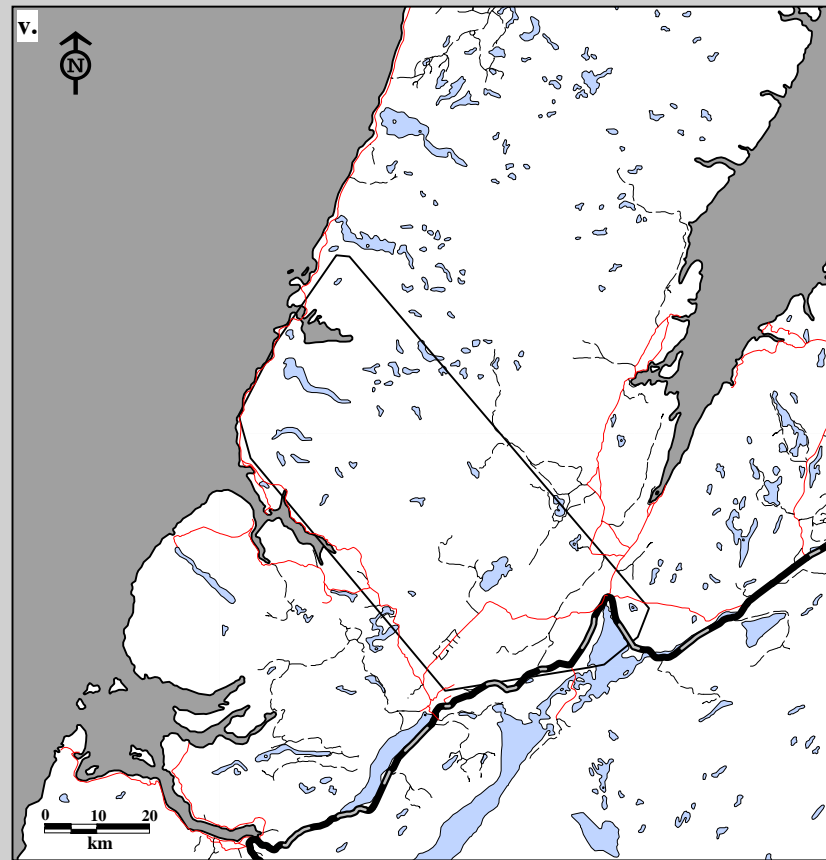
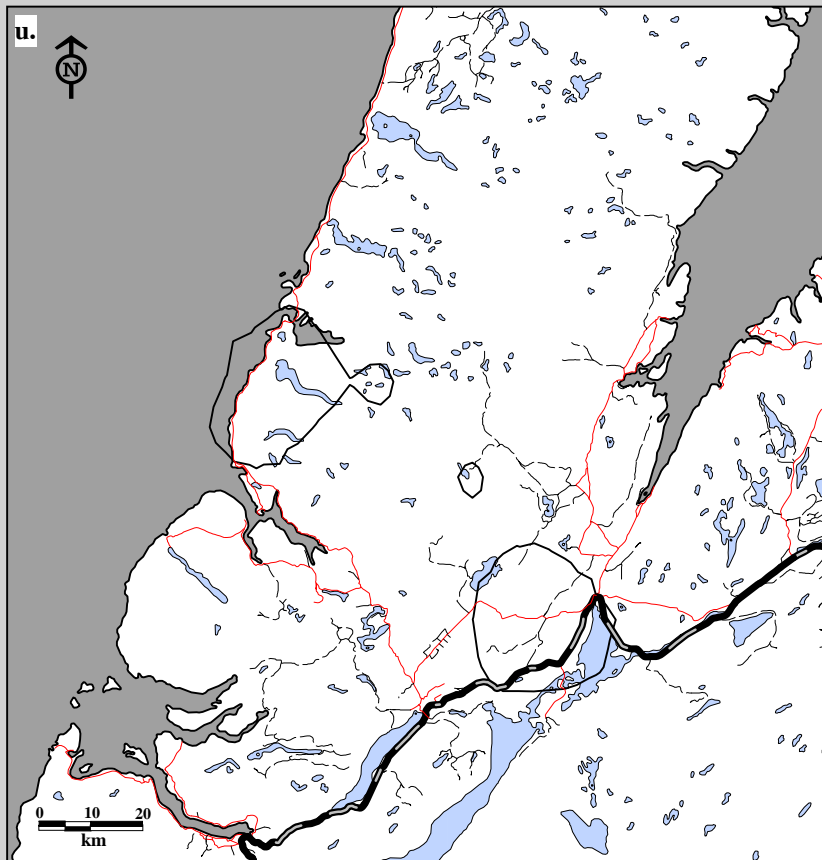


Fig. 8G-5. Gros Morne Caribou Herd Argos Satellite locations for all cohorts, November 1993-95.  
 u. Home ranges using 75% harmonic mean v. Home ranges using 95% minimum convex polygon.  
 Only adult females collared.

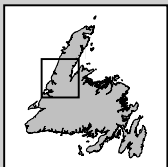
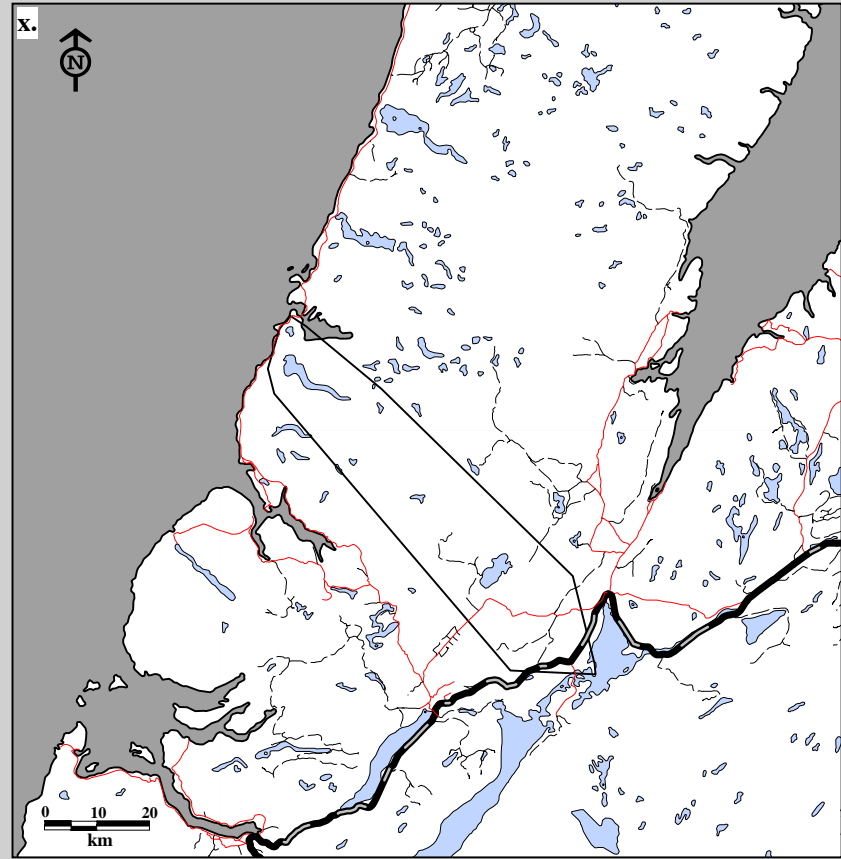
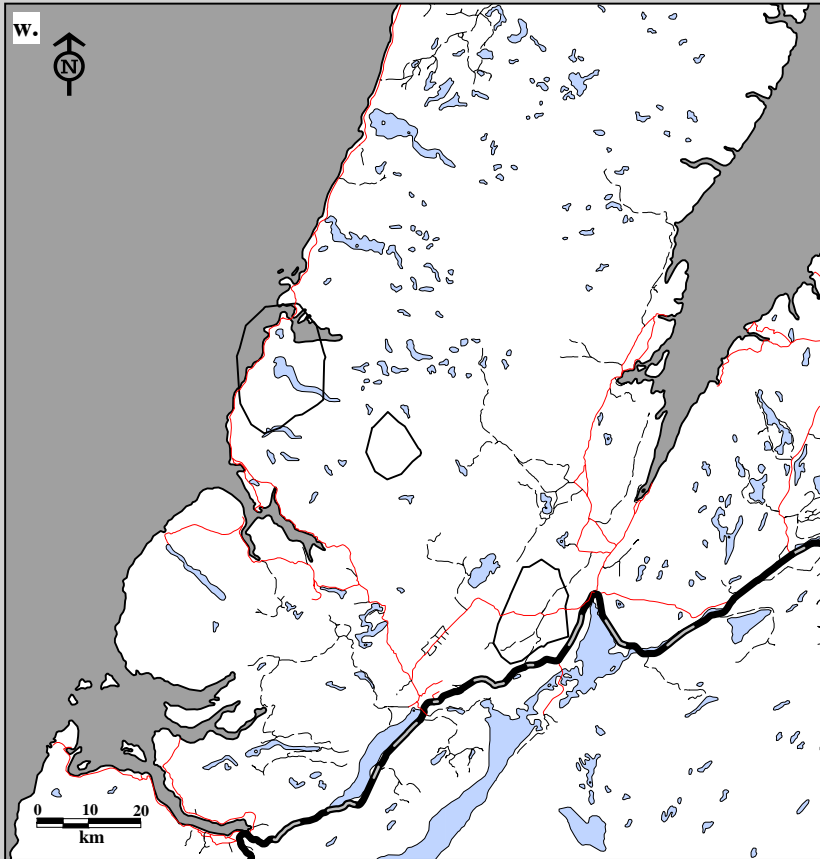
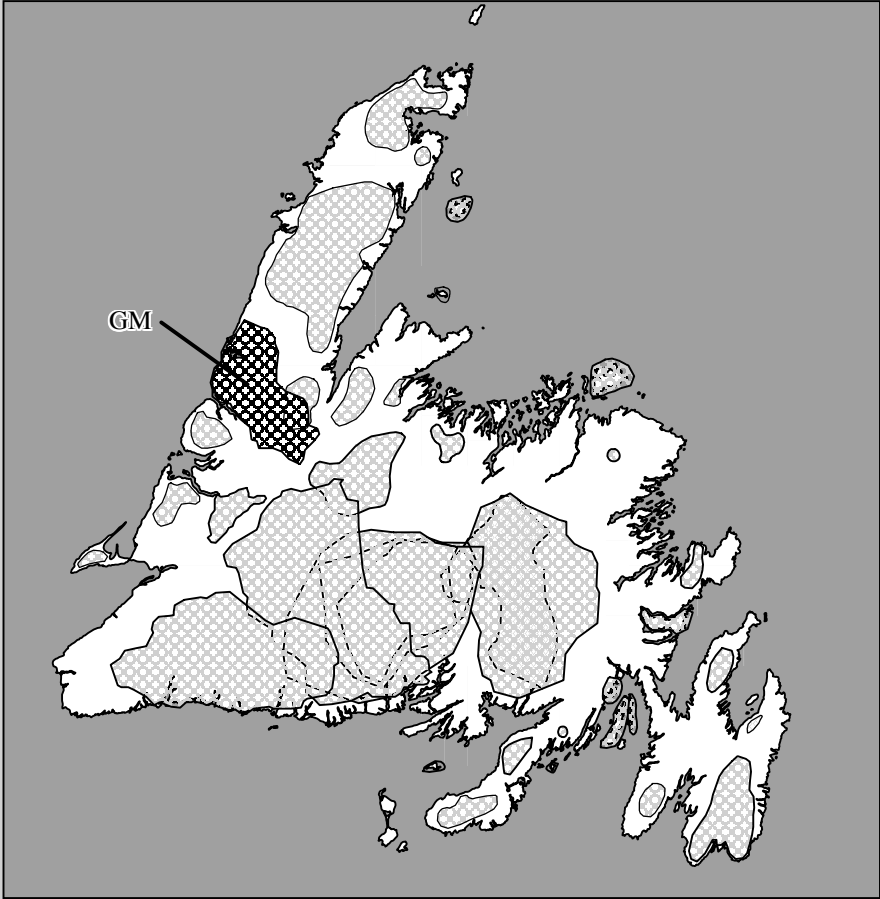
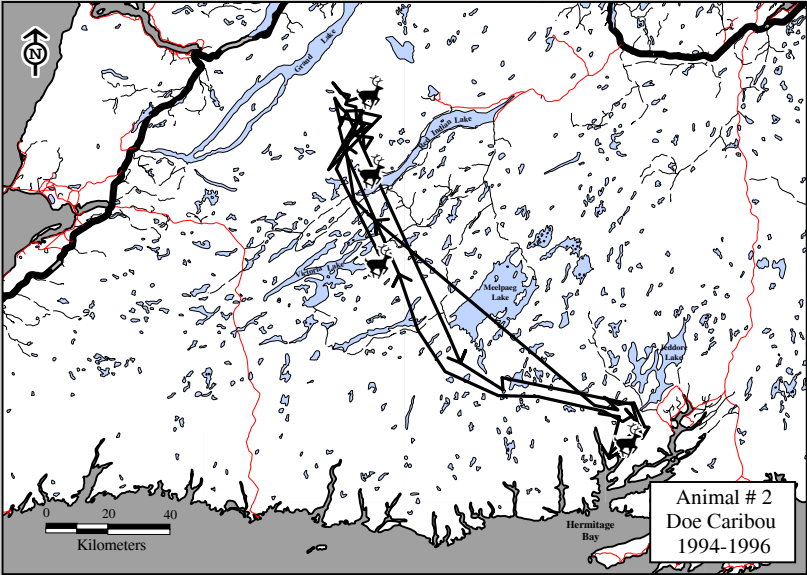


Fig. 8G-5. Gros Morne Caribou Herd Argos Satellite locations for all cohorts, December 1993-95.  
w. Home ranges using 75% harmonic mean x. Home ranges using 95% minimum convex polygon.  
Only adult females collared.



**Section 8H:  
ARGOS Satellite  
Home Ranges of  
Individual Animals.**



**Caribou Herd  
Gros Morne (GM)**



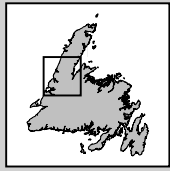
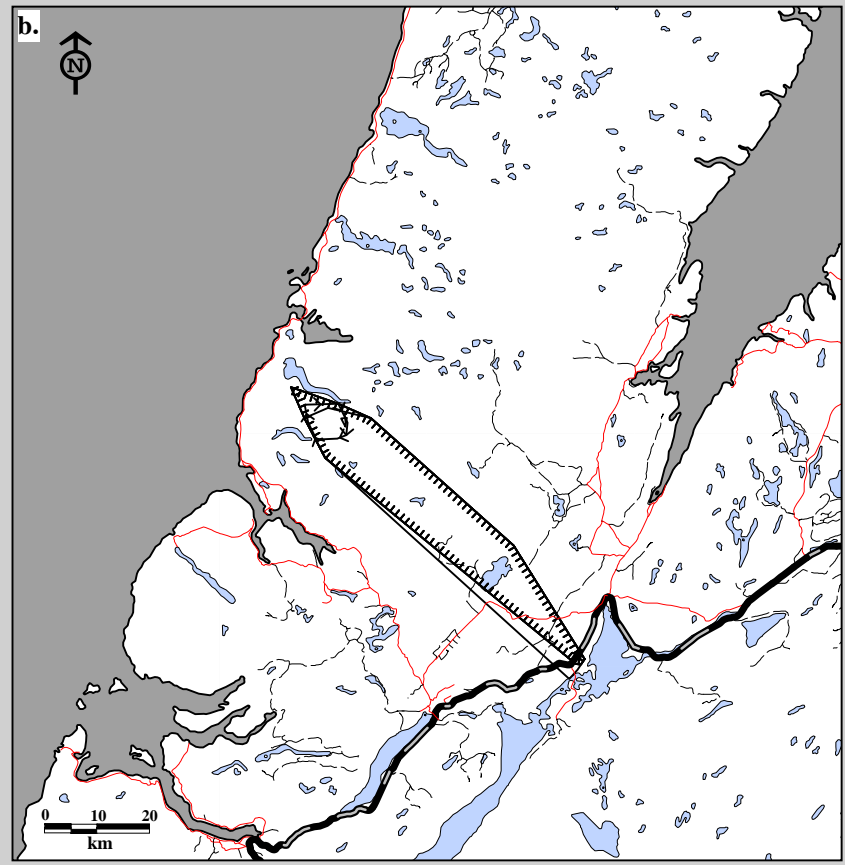
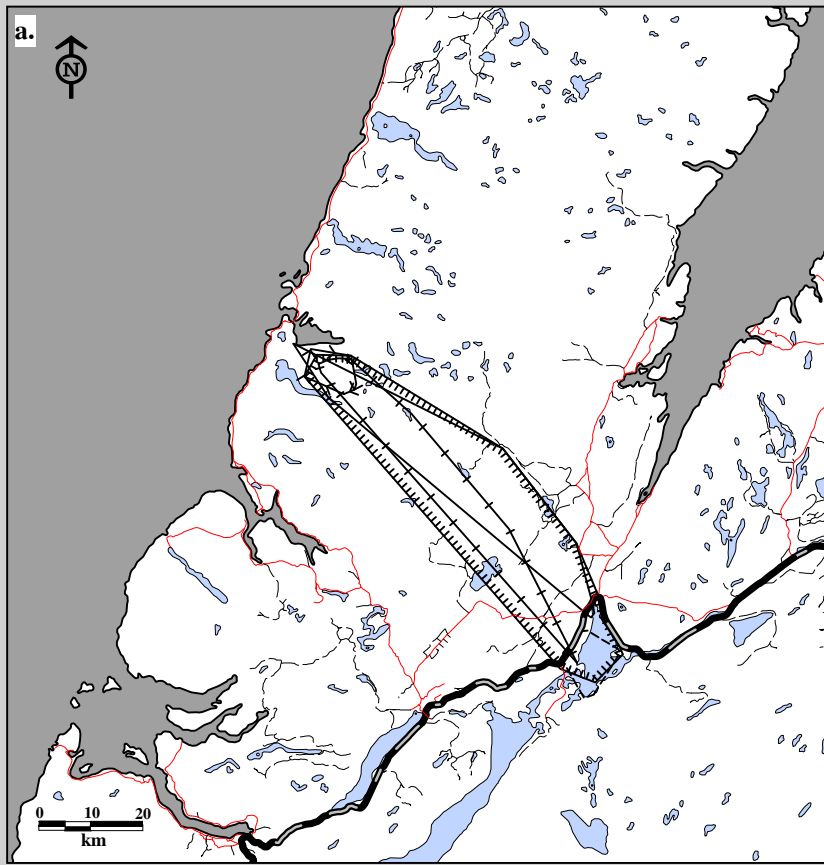
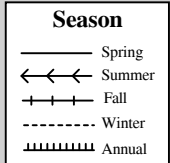


Fig. 8H-1. Seasonal home ranges for Argos satellite data, Gros Morne Caribou CA-002, a. productive female adult for 1994-95 and b. productive female adult for 1995-96, calculated using minimum convex polygon.



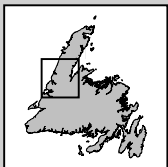
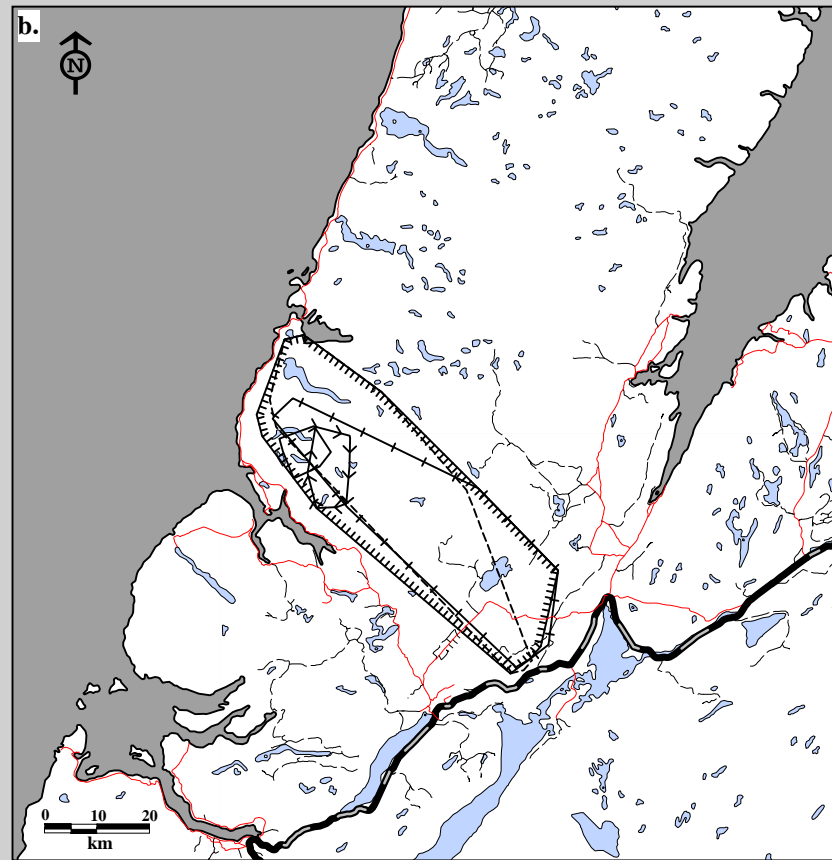
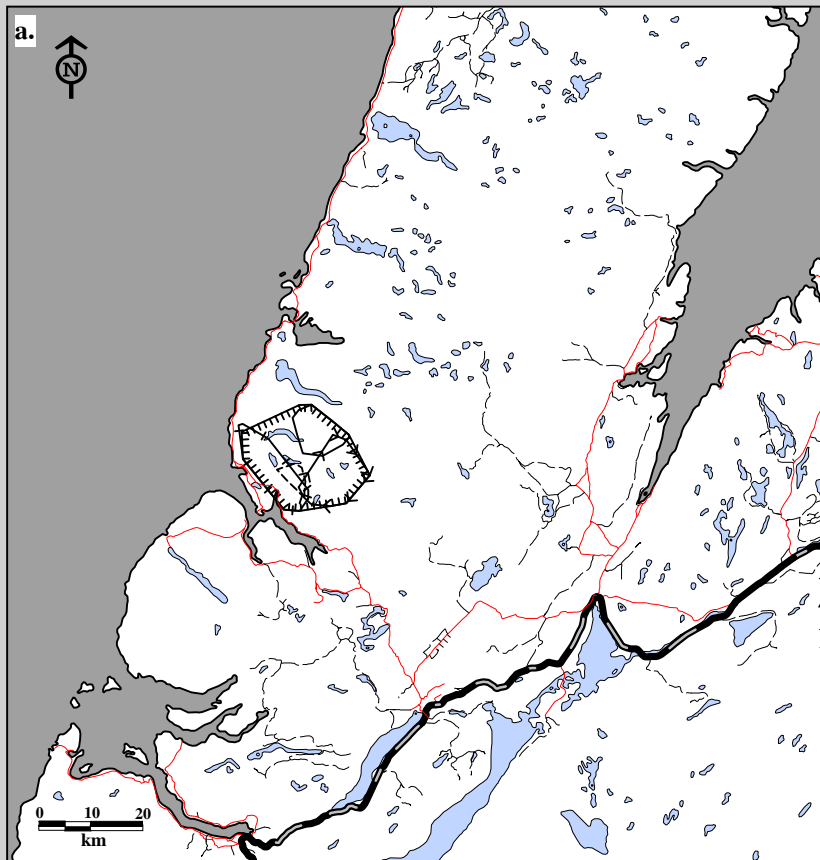


Fig. 8H-2. Seasonal home ranges for Argos satellite data, Gros Morne Caribou CA-008, a. female adult with unknown reproductive status for 1994-95 and b. productive female adult for 1995-96, calculated using minimum convex polygon.

**Season**

- Spring
- ←← Summer
- +++ Fall
- Winter
- ||||| Annual

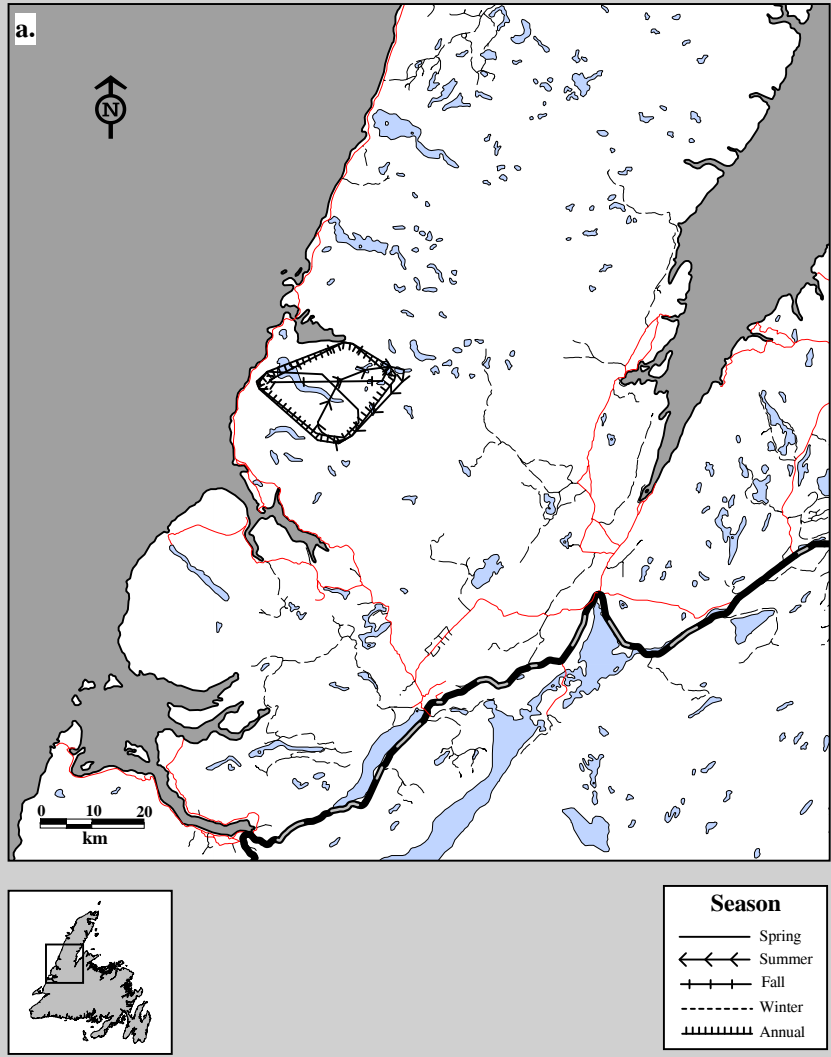


Fig. 8H-3. Seasonal home ranges for Argos satellite data, Gros Morne Caribou CA-009, a. productive female adult for 1994-95, calculated using minimum convex polygon.

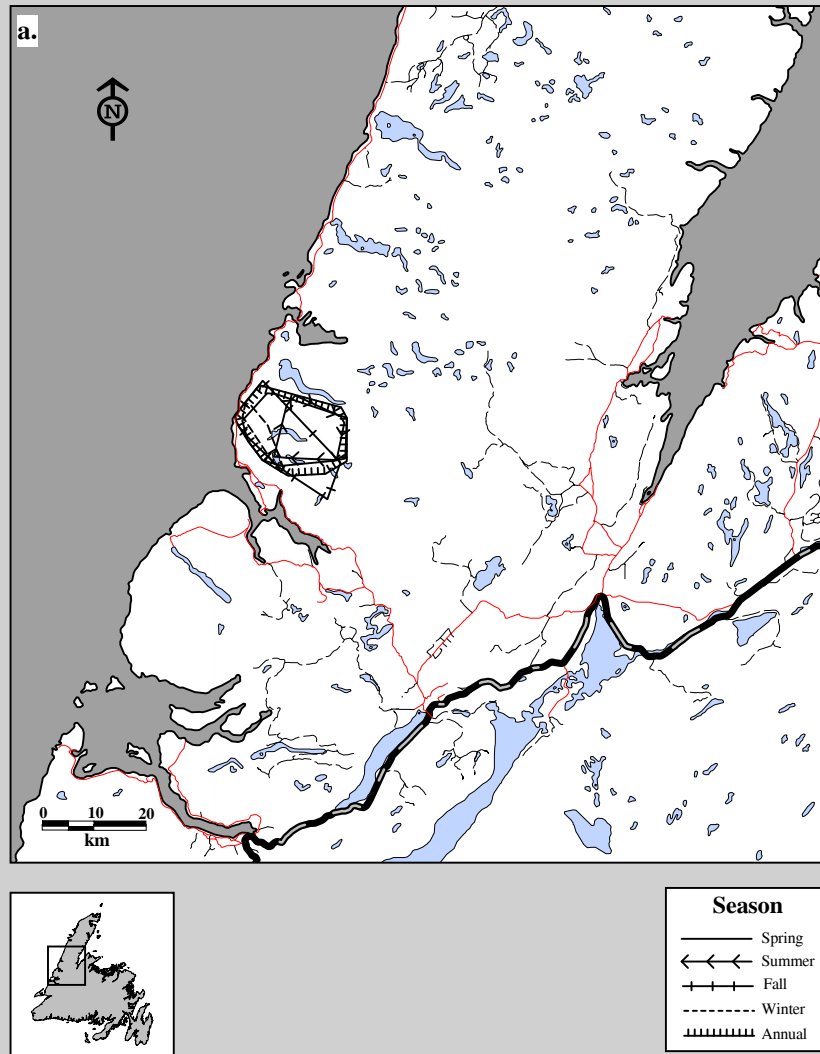


Fig. 8H-4. Seasonal home ranges for Argos satellite data, Gros Morne Caribou CA-013, a. barren female adult for 1993-94, calculated using minimum convex polygon.

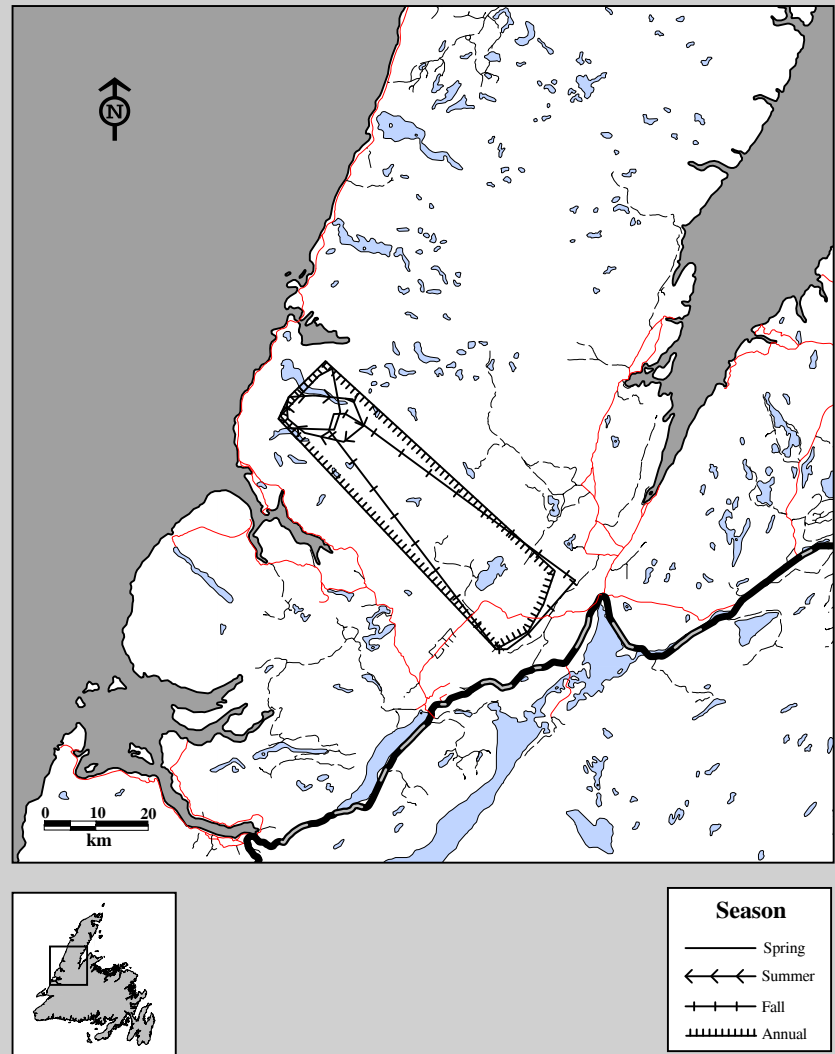


Fig. 8H-5. Seasonal home ranges for Argos satellite data, Gros Morne Caribou CA-015, a productive female adult for 1993-94, calculated using minimum convex polygon.

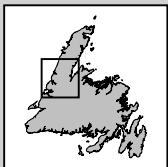
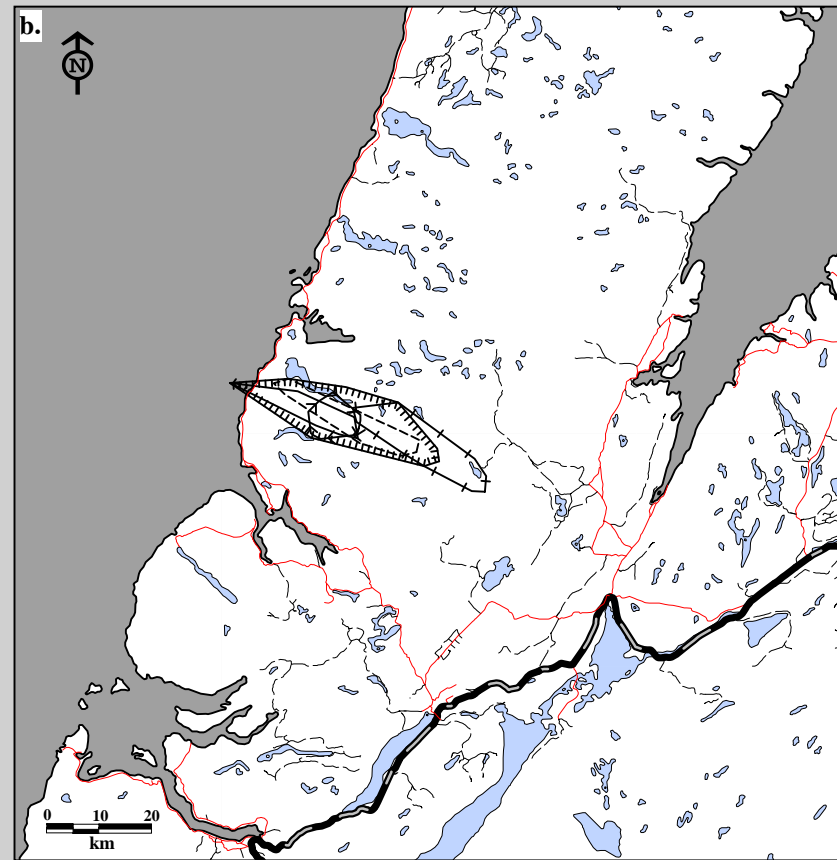
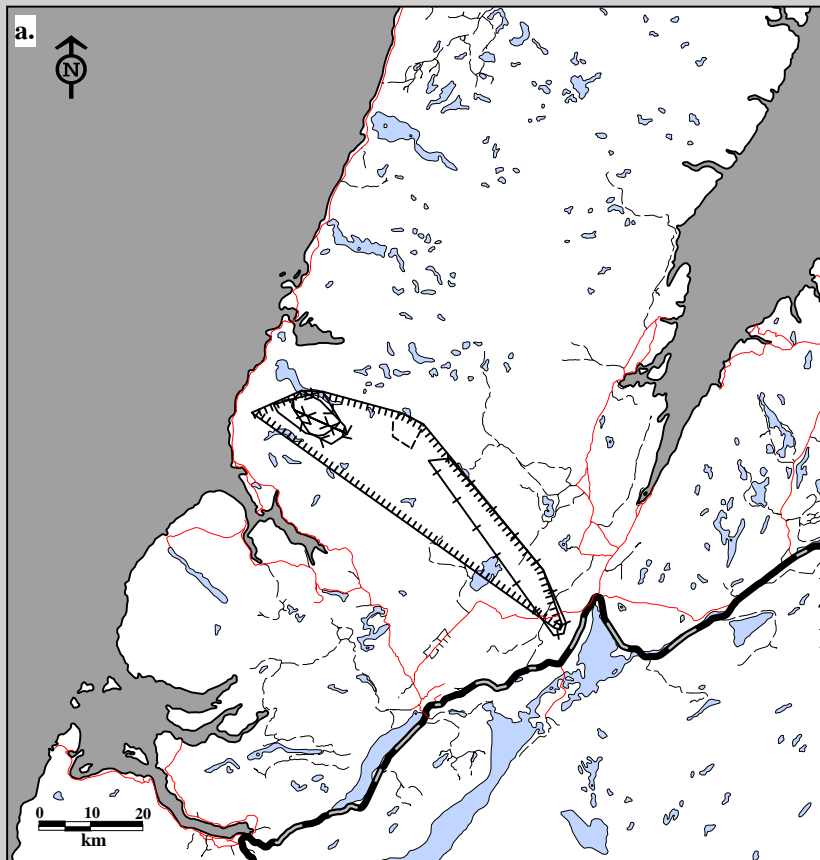


Fig. 8H-6. Seasonal home ranges for Argos satellite data, Gros Morne Caribou CA-017, a. productive female adult for 1993-94 and b. female adult with unknown reproductive status for 1994-95, calculated using minimum convex polygon.

**Season**

- Spring
- - - Summer
- . . . Fall
- - - Winter
- ▬▬▬ Annual

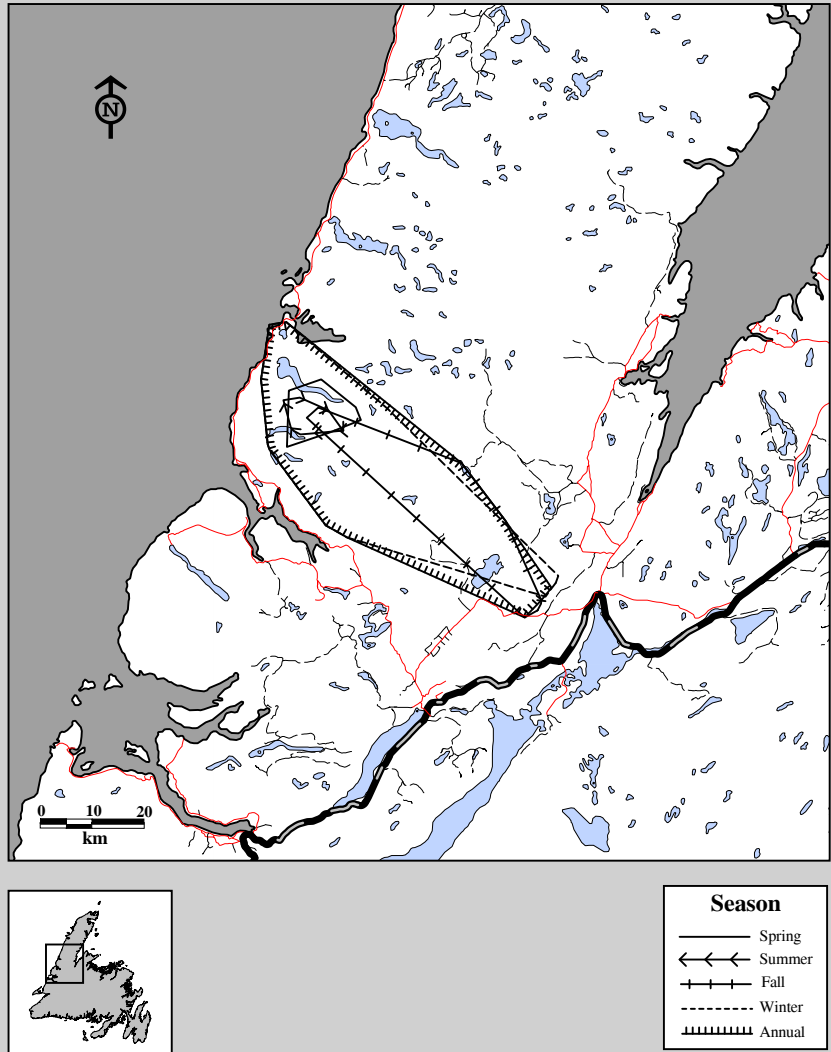


Fig. 8H-7. Seasonal home ranges for Argos satellite data, Gros Morne Caribou CA-018, a productive female adult for 1994-95, calculated using minimum convex polygon.

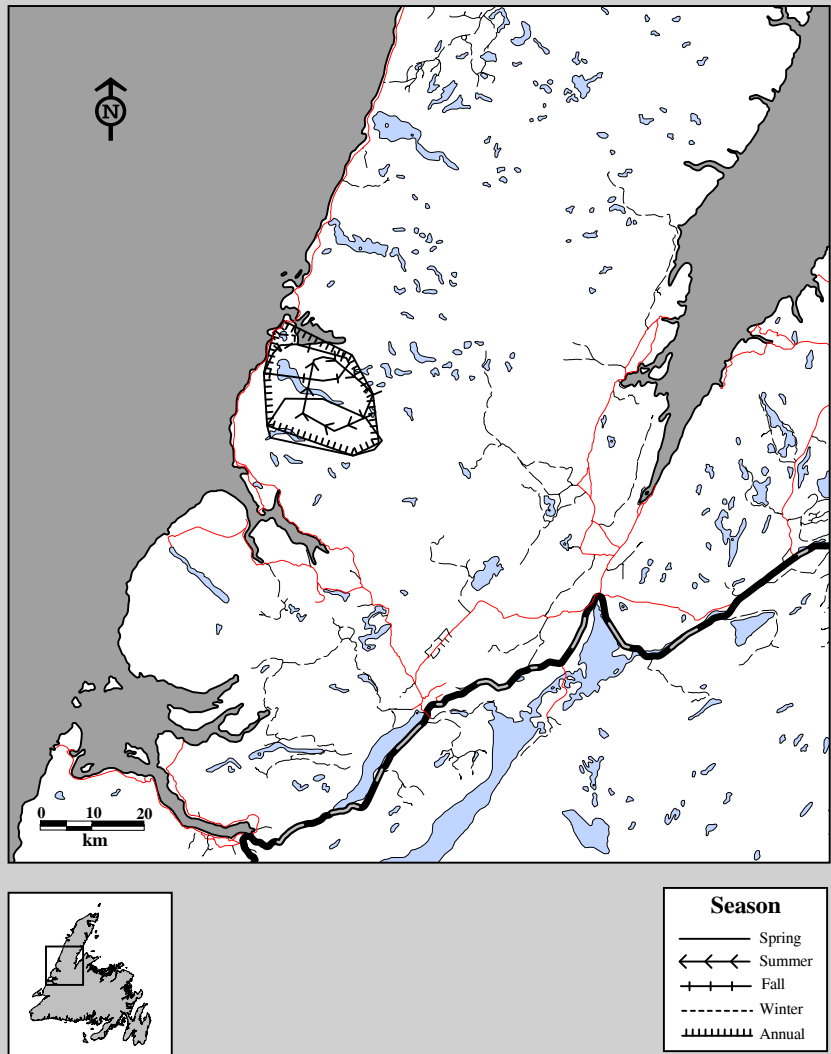


Fig. 8H-8. Seasonal home ranges for Argos satellite data, Gros Morne Caribou CA-019, a productive female adult for 1994-95, calculated using minimum convex polygon.



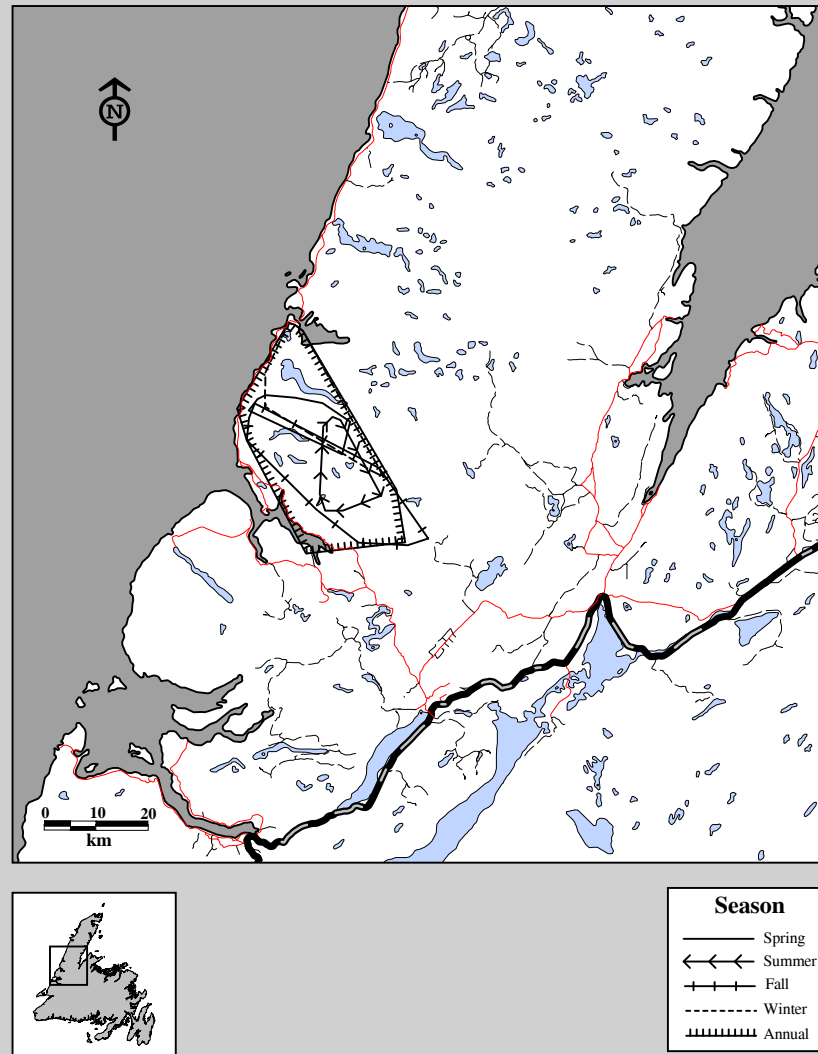


Fig. 8H-9. Seasonal home ranges for Argos satellite data, Gros Morne Caribou CA-020, a productive female adult for 1994-95, calculated using minimum convex polygon.

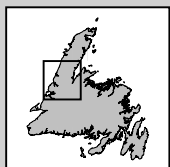
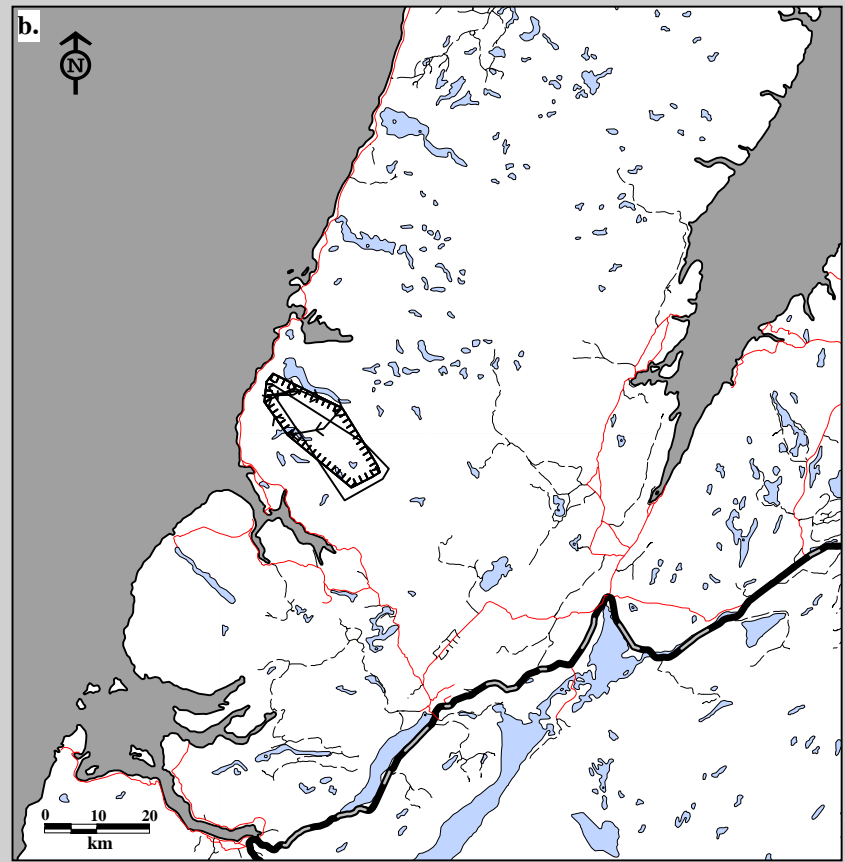
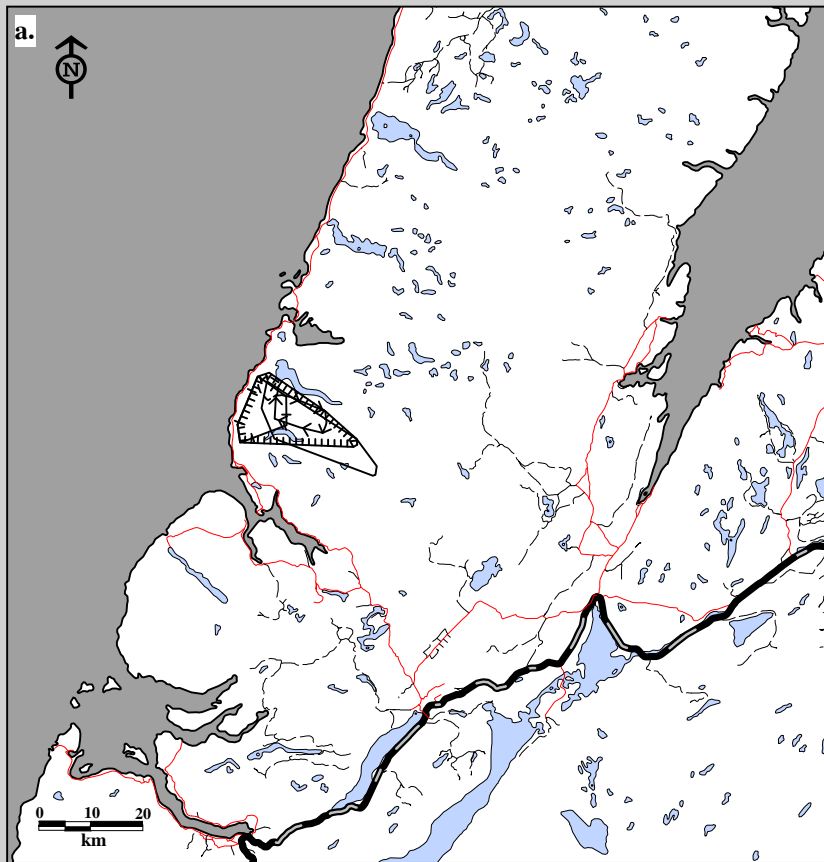
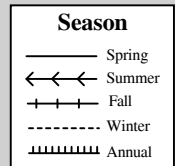


Fig. 8H-10. Seasonal home ranges for Argos satellite data, Gros Morne Caribou CA-021, a. productive female adult for 1994-95 and b. productive female adult for 1995-96, calculated using minimum convex polygon.



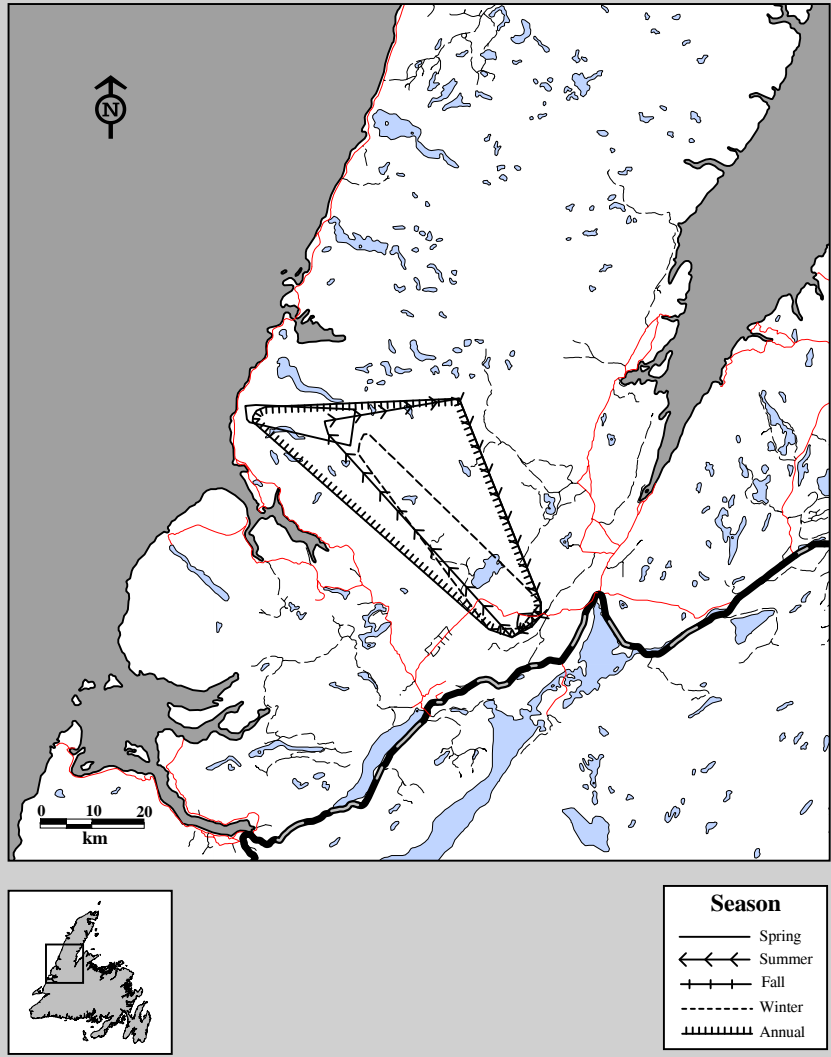
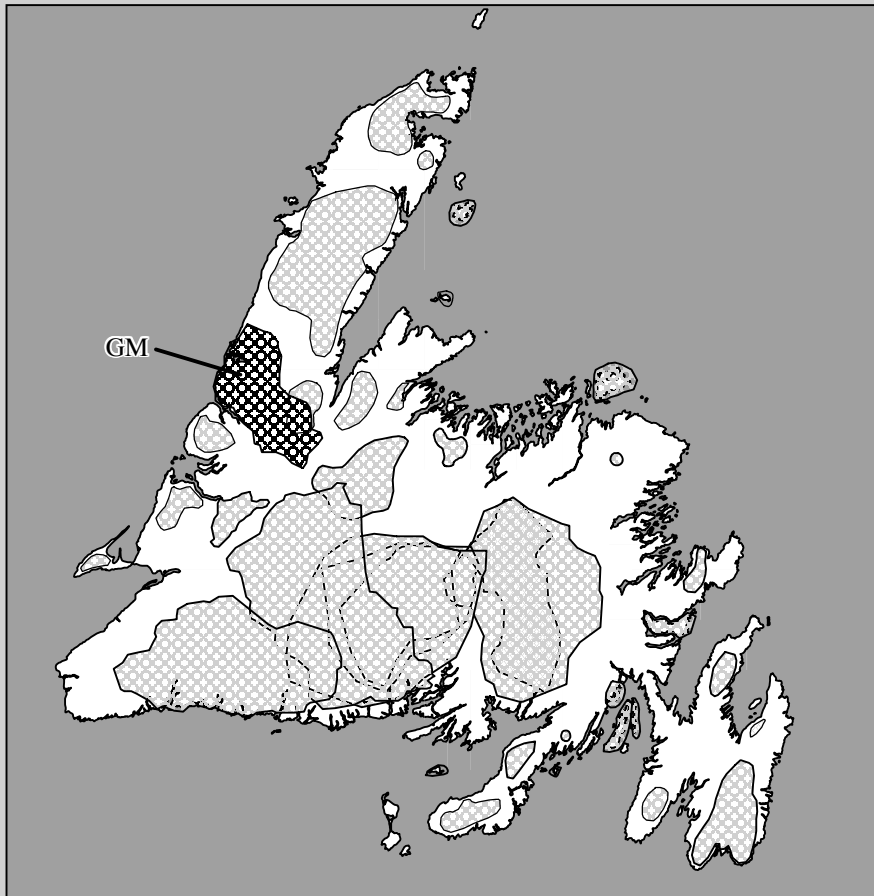
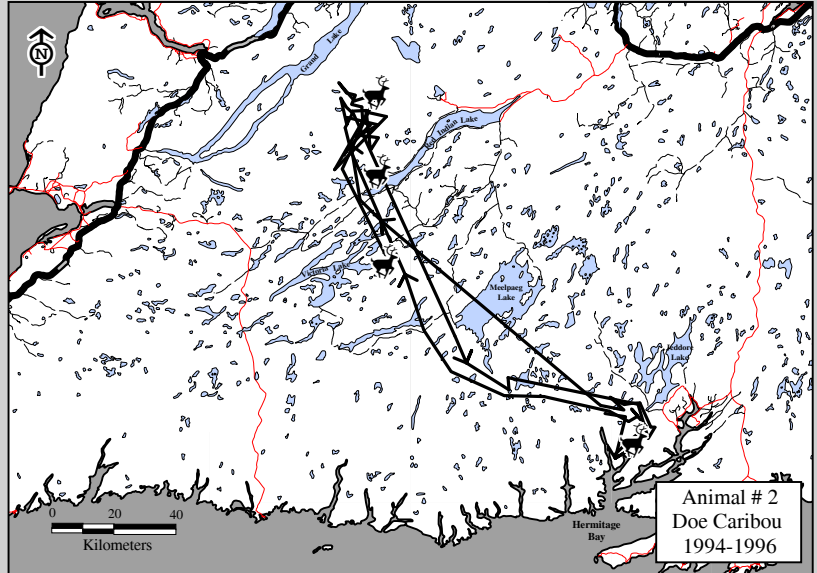


Fig. 8H-11. Seasonal home ranges for Argos satellite data, Gros Morne Caribou CA-022, a productive female adult for 1994-95, calculated using minimum convex polygon.

## Section 8I:

### Global Positioning System Sample Sizes and Home Range Calculations by Herd Composition and Time.



## Caribou Herd

Gros Morne (GM)

Table 8I-1. Gros Morne Caribou Herd. By year, the number of surveys, GPS (Global Positioning System) locations, and animals monitored, plus the 75% harmonic mean and 95% minimum convex polygon home range area estimates. Only adults collared.

Period	Year	Number of surveys	Number of GPS locations	Number of caribou monitored	Home range (km <sup>2</sup> )	
					75% harmonic mean	95% minimum convex polygon
All periods/ years combined	-	676	11,903	13	727	2,582
January 11, 1996 to April 30, 1996	1	34	549	5	302	349
May 1, 1996 to April 30, 1997	2	224	3,657	6	408	1,885
May 1, 1997 to April 30, 1998	3	329	6,518	6	629	1,628
May 1, 1998 to July 23, 1998	4	89	1,179	4	346	499

Table 8I-2. Gros Morne Caribou Herd. By year and sex, the number of GPS (Global Positioning System) locations, and animals monitored, plus the 75% harmonic mean and 95% minimum convex polygon home range area estimates. Only adults collared.

Period (Year)	Sex	Number of GPS locations	Number of caribou monitored	Home range (km <sup>2</sup> )	
				75% harmonic mean	95% minimum convex polygon
All periods/ years combined	Female	7,824	5	952	1,738
	Male	4,079	8	282	1,885
Jan. 11, 1996 to April 30, 1996 (Year 1)	Female	163	2	96	76
	Male	386	3	312	162
May 1, 1996 to April 30, 1997 (Year 2)	Female	1,599	3	247	1,315
	Male	2,058	3	313	1,221
May 1, 1997 to April 30, 1998 (Year 3)	Female	4,928	3	777	1,529
	Male	1,590	3	261	393
May 1, 1998 to July 23, 1998	Female	1,134	3	96	409
	Male	45	1	312	10

Table 8I-3. Gros Morne Caribou Herd. By season and year, the number of surveys, GPS (Global Positioning System) locations, and animals monitored, plus the 75% harmonic mean and 95% minimum convex polygon home range area estimates. Only adults collared.

Period (Year)	Season	Number of surveys	Number of GPS locations	Number of caribou monitored	Home range (km <sup>2</sup> )	
					75% harmonic mean	95% minimum convex polygon
All periods/ years combined	Spring	122	1,933	5	380	1,029
	Summer	145	2,898	6	257	547
	Fall	122	2,441	6	703	1,727
	Winter	287	4,631	13	627	2,630
January 11, 1996 to April 30, 1996 (Year 1)	Winter	34	549	5	302	349
May 1, 1996 to April 30, 1997 (Year 2)	Spring	0	0	0	-	-
	Summer	25	524	5	128	336
	Fall	61	1,374	5	508	1,352
	Winter	138	1,759	5	225	1,792
May 1, 1997 to April 30, 1998 (Year 3)	Spring	61	1,089	4	238	787
	Summer	92	2,039	4	200	237
	Fall	61	1,067	4	478	1,180
	Winter	115	2,323	5	421	1,519
May 1, 1998 to July 23, 1998 (Year 4)	Spring	61	844	4	369	487
	Summer	28	335	3	158	171

Table 8I-4. Gros Morne Caribou Herd. By season and sex, the number of GPS (Global Positioning System) locations and animals monitored, plus the 75% harmonic mean and 95% minimum convex polygon home range area estimates. Only adults collared.

Seasons	Sex	Number of GPS locations	Number of caribou monitored	Home range (km <sup>2</sup> )	
				75% harmonic mean	95% minimum convex polygon
Spring	Female	1,635	3	407	947
	Male	298	2	75	73
Summer	Female	2,225	3	246	335
	Male	673	3	156	306
Fall	Female	1,281	3	496	1,493
	Male	1,160	3	651	1,094
Winter	Female	2,683	5	390	1,544
	Male	1,948	8	155	386



Table 8I-5. Gros Morne Caribou Herd. By year, season, and sex, the number of GPS (Global Positioning System) locations and animals monitored, plus the 75% harmonic mean and the 95% minimum convex polygon home range area estimates. Only adults collared.

Period (Year)	Season	Sex	Number of GPS locations	Number of caribou monitored	Home range (km <sup>2</sup> )	
					75% harmonic mean	95% minimum convex polygon
Jan. 11, 1996 to April 30, 1996 (Year 1)	Winter	Female	163	2	96	76
		Male	386	3	312	162
May 1, 1996 to April 30, 1997 (Year 2)	Spring	Female	0	0	-	-
		Male	0	0	-	-
	Summer	Female	244	2	120	112
		Male	280	3	403	211
	Fall	Female	452	2	456	893
		Male	922	3	664	1,095
	Winter	Female	903	2	420	1,348
		Male	856	3	84	996
May 1, 1997 to April 30, 1998 (Year 3)	Spring	Female	836	3	153	813
		Male	253	1	58	23
	Summer	Female	1,646	3	255	314
		Male	393	1	87	27
	Fall	Female	829	3	412	1,159
		Male	238	1	200	185
	Winter	Female	1,617	3	369	1,374
		Male	706	2	154	110
May 1, 1998 to July 23, 1998 (Year 4)	Spring	Female	799	3	406	400
		Male	45	1	56	10
	Summer	Female	335	3	158	171
		Male	-	-	-	-

Table 8I-6. Gros Morne Caribou Herd. By month and sex, the number of surveys, GPS (Global Positioning System) locations, and animals monitored, plus the 75% harmonic mean and the 95% minimum convex polygon home range area estimates. Only adults collared.

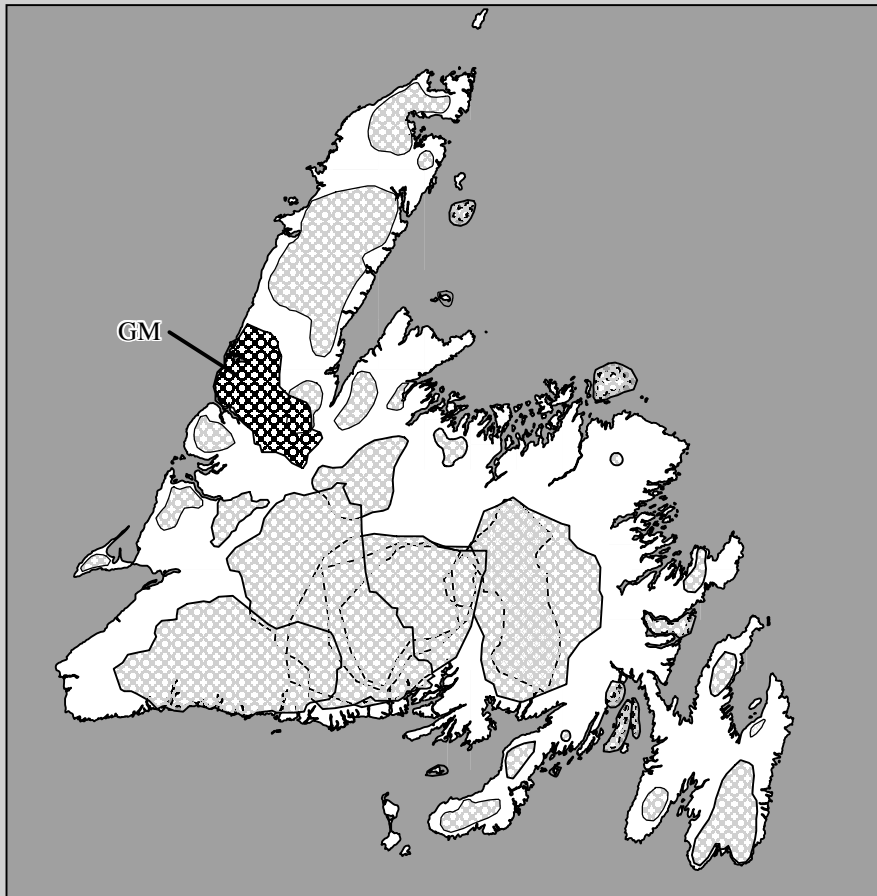
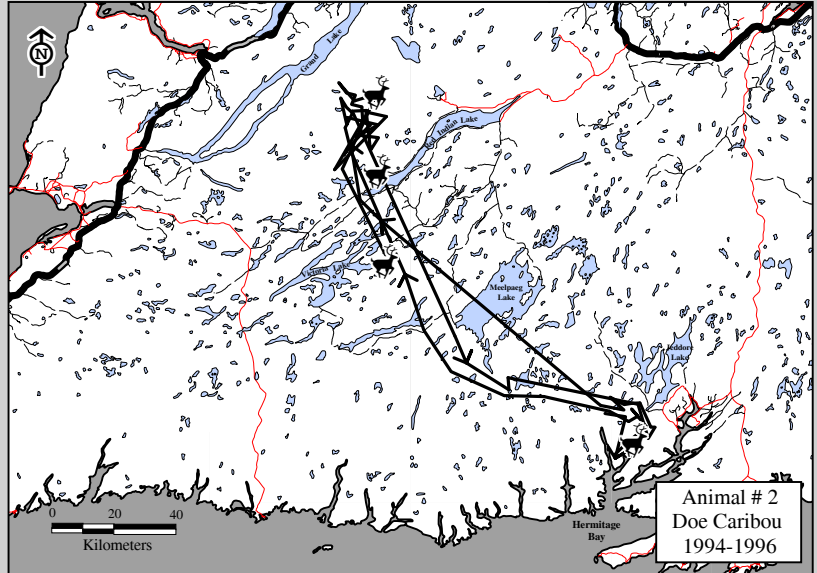
Month	Number of surveys	Sex	Number of GPS locations	Number of caribou monitored	Home range (km <sup>2</sup> )	
					75% harmonic mean	95% minimum convex polygon
January	66	Female	565	5	348	1,029
		Male	529	6	71	208
February	69	Female	567	5	251	1,186
		Male	495	5	197	216
March	61	Female	693	3	467	1,248
		Male	223	2	133	129
April	60	Female	712	3	203	1,242
		Male	333	2	104	124
May	62	Female	752	3	772	1,016
		Male	198	2	74	34
June	60	Female	883	3	191	257
		Male	100	1	52	43
July	59	Female	855	3	153	206
		Male	131	1	59	25
August	31	Female	568	3	241	154
		Male	131	1	42	5
September	55	Female	802	3	206	394
		Male	411	3	85	206
October	62	Female	729	3	285	632
		Male	601	3	278	755
November	60	Female	552	2	272	1,268
		Male	559	3	425	983
December	31	Female	146	1	51	16
		Male	368	3	437	880

Table 8I-7. Gros Morne Caribou Herd. By year and sex, the number of radio telemetry locations (n) plus the 95% minimum convex polygon home range area estimates for individual caribou.

Animal	Sex	Year	Age	Home Range (km <sup>2</sup> )									
				Spring		Summer		Fall		Winter		Year-Round	
				Area	n	Area	n	Area	n	Area	n	Area	n
GM-35A	F	1996-97	Adult			52	125	141	301	35	579	1321	1006
	F	1997-98	Adult	666	336	301	502	62	382	706	602	1277	1824
	F	1998-99	Adult	322	293	119	135					357	429
GM-38A	F	1996-97	Adult			21	106	19	128				
	F	1997-98	Adult	32	105	41	493	1	19		525	325	1116
	F	1998-99	Adult	148	251	24	101					148	353
GM-43A	F	1996-97	Adult							8	278		
	F	1997-98	Adult	22	352	92	568	387	385	119	435	395	1741
	F	1998-99	Adult	85	213	12	80					93	294

## Section 8J:

### Global Positioning System Distributions by Herd Composition and Time.



## Caribou Herd

Gros Morne (GM)

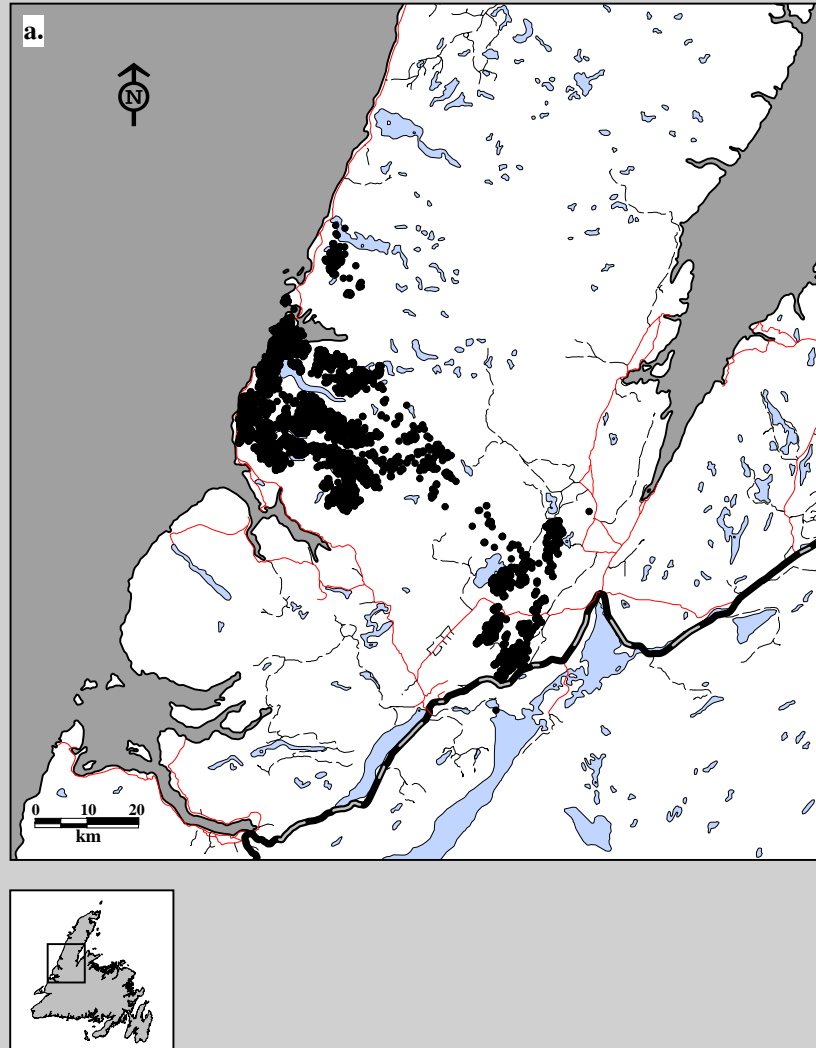
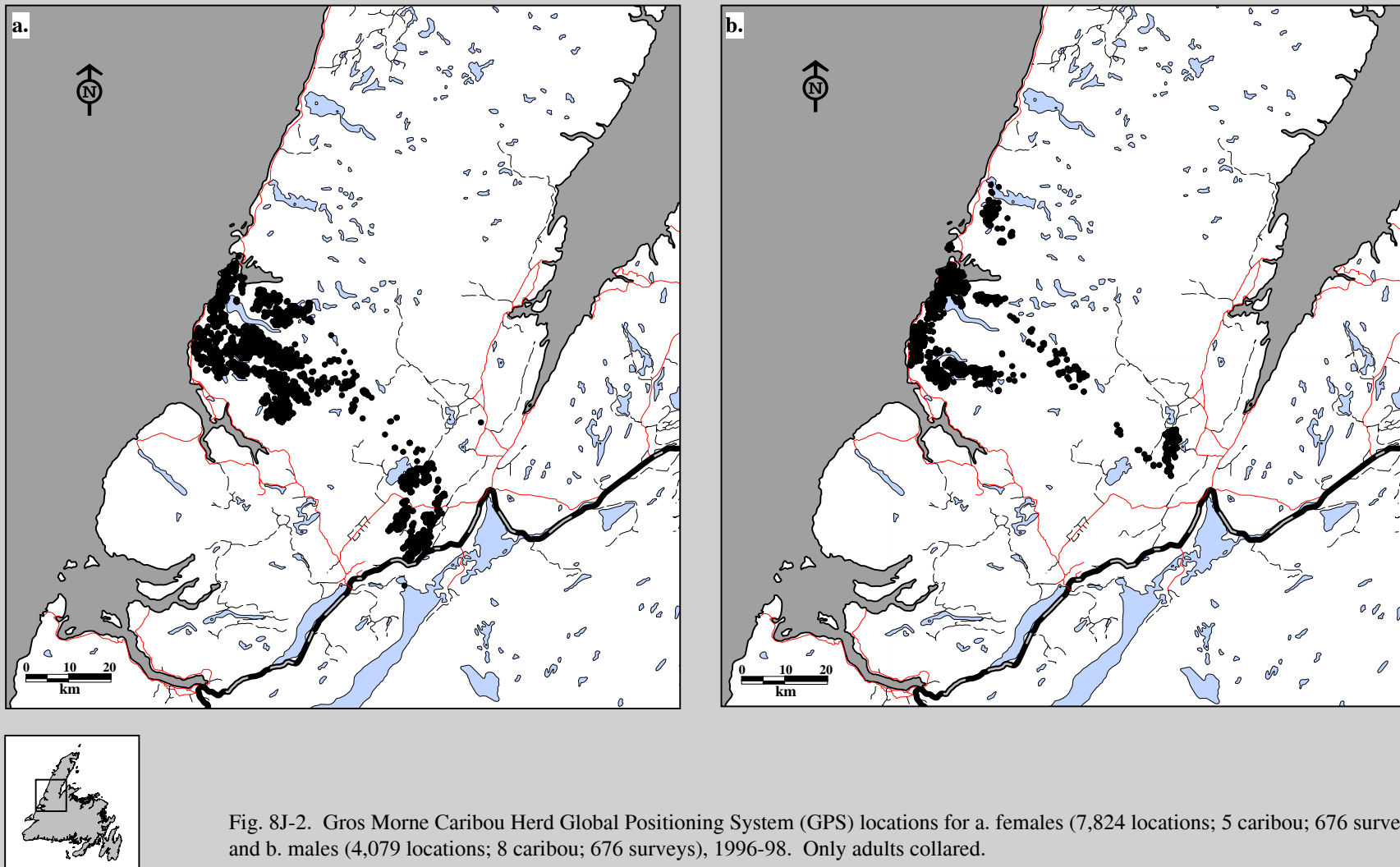
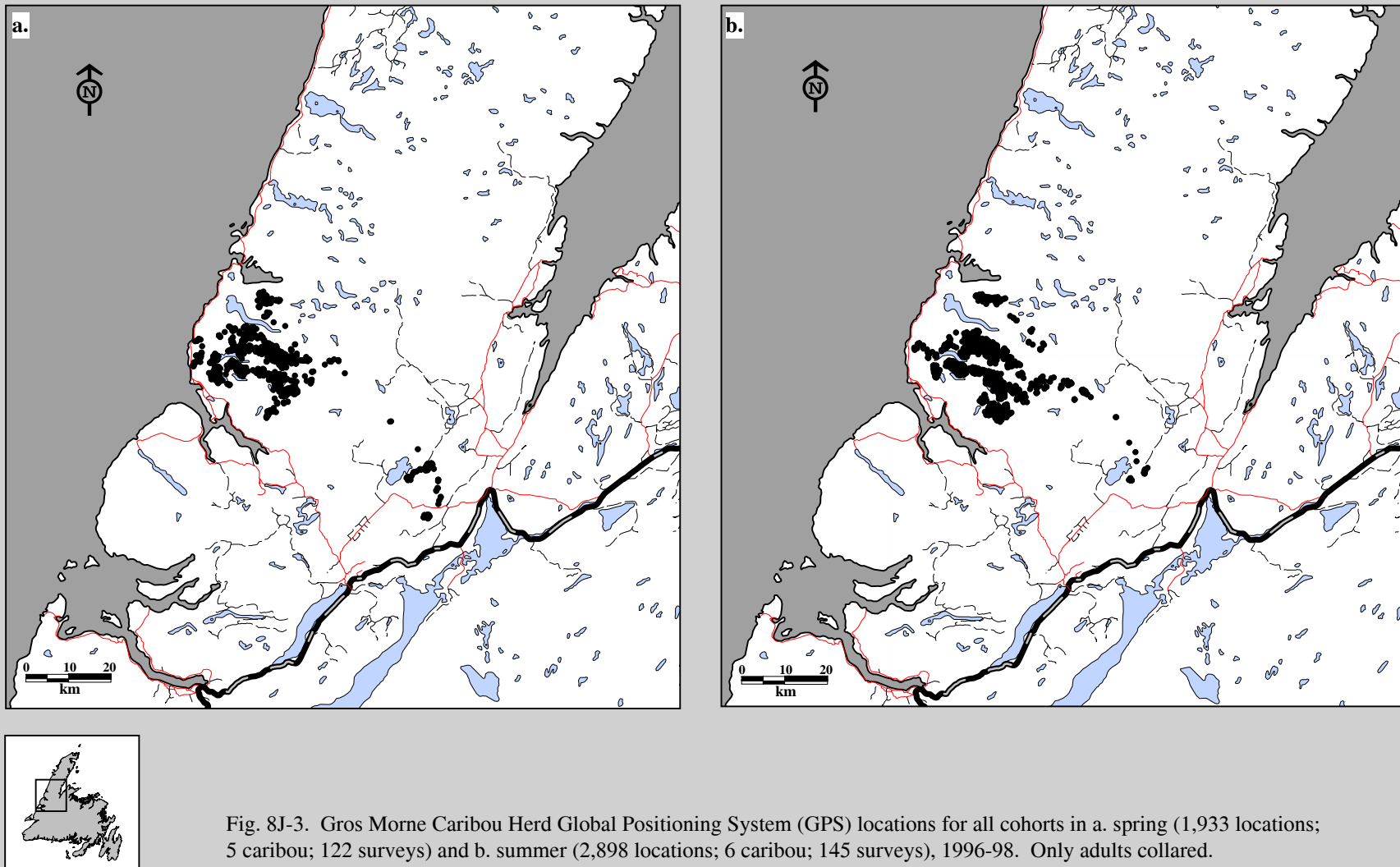


Fig. 8J-1. Gros Morne Caribou Herd Global Positioning System (GPS) locations for a. all cohorts (11,903 locations; 13 caribou; 676 surveys), Jan. 11, 1996 to July 23, 1998. Only adults collared.





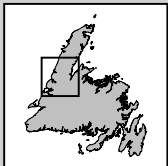
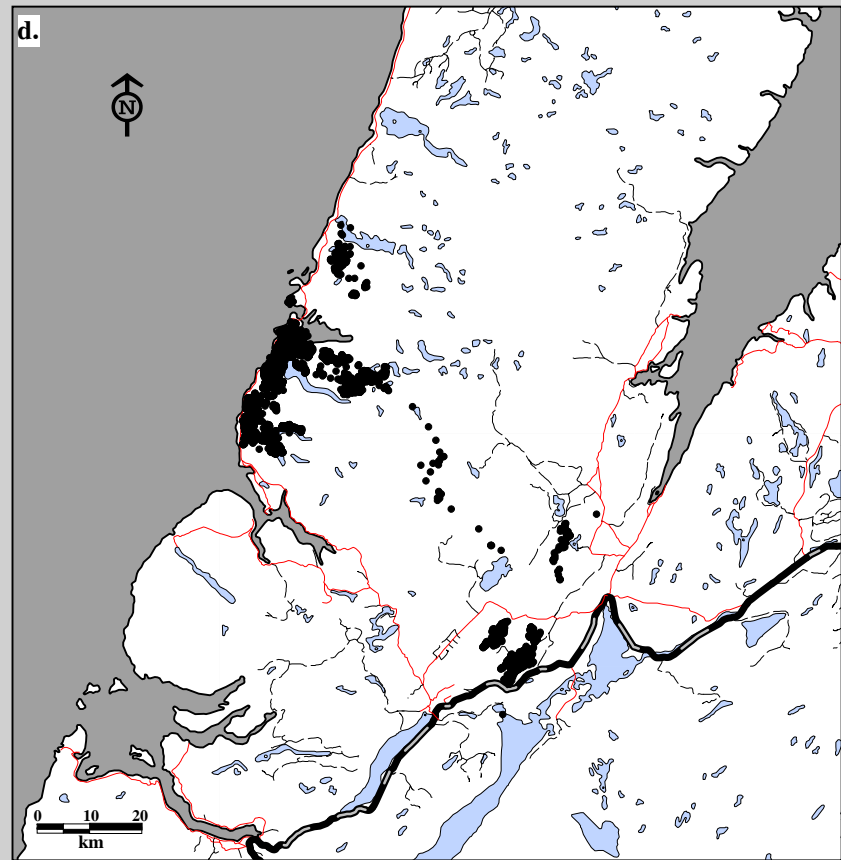
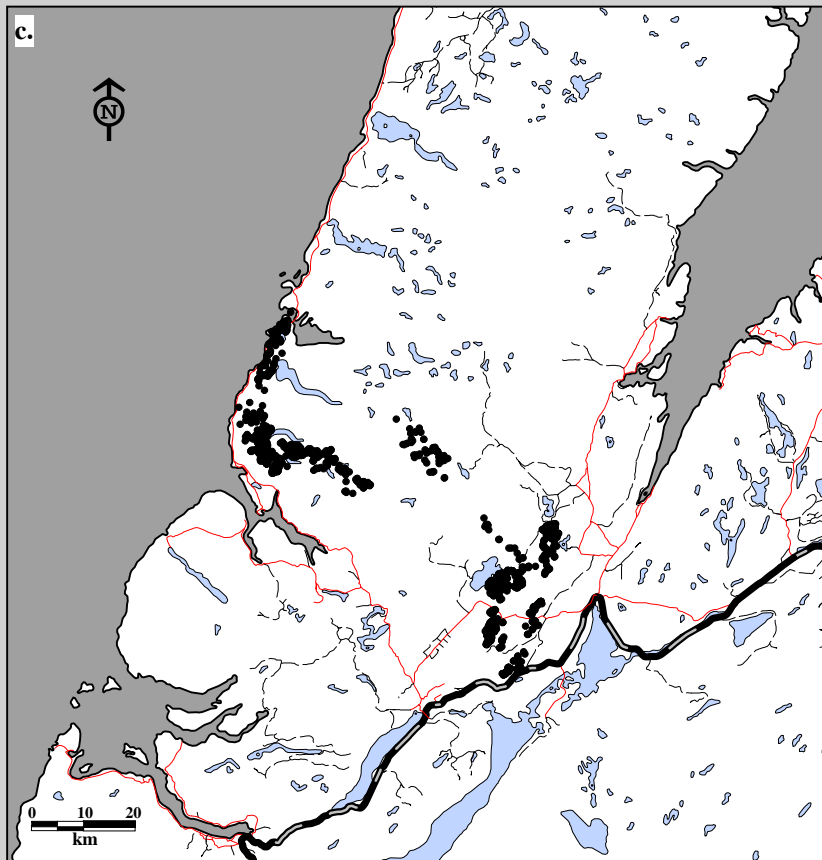
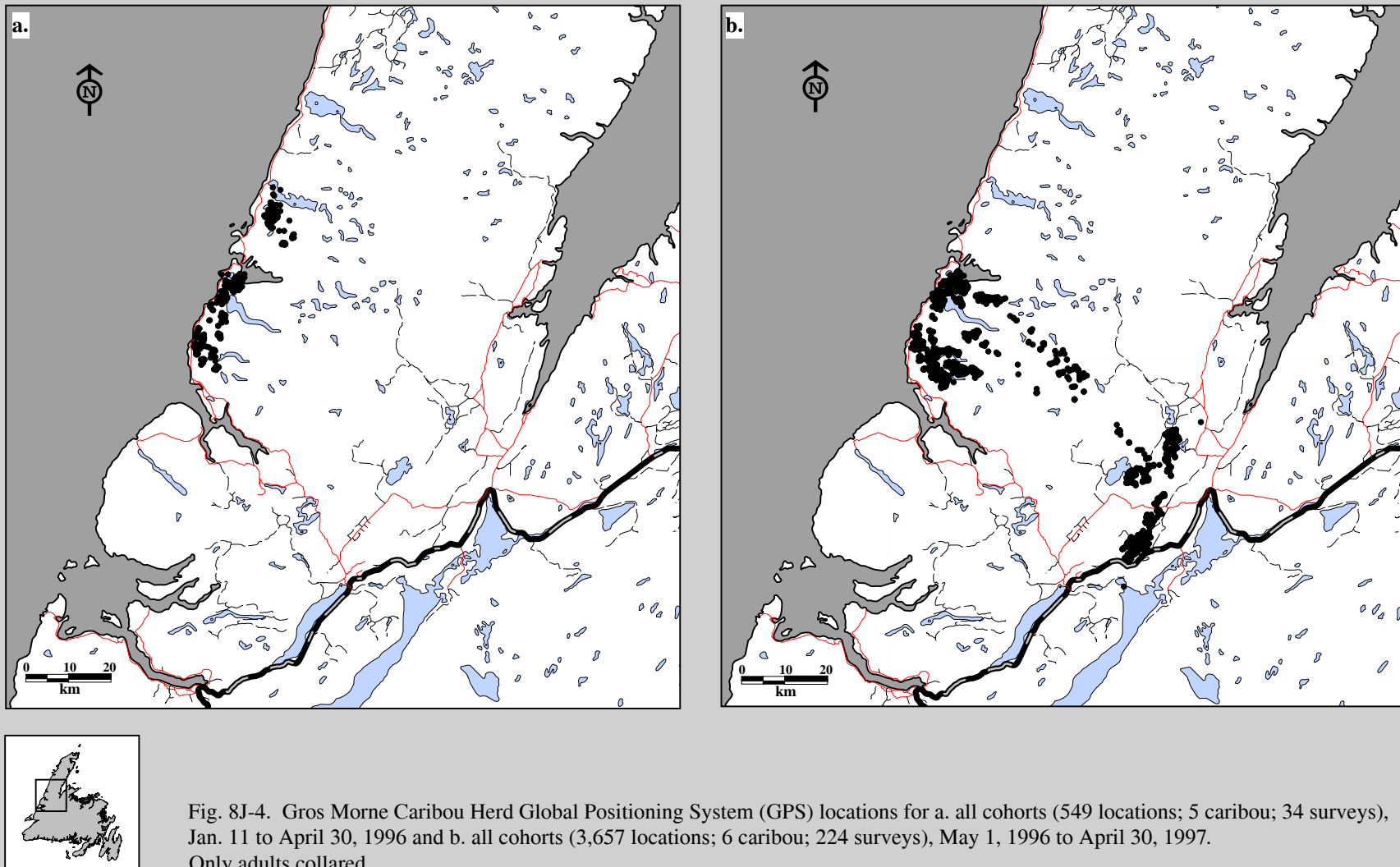


Fig. 8J-3. Gros Morne Caribou Herd Global Positioning System (GPS) locations for all cohorts in c. fall (2,441 locations; 6 caribou; 122 surveys) and d. winter (4,631 locations; 13 caribou; 287 surveys), 1996-98. Only adults collared.





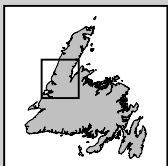
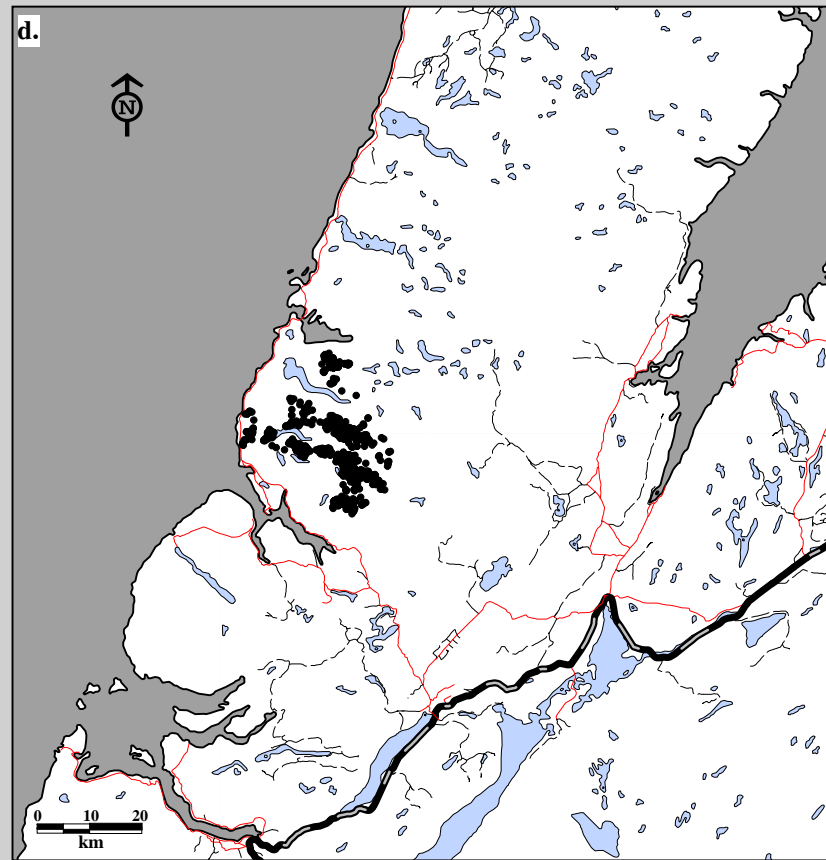
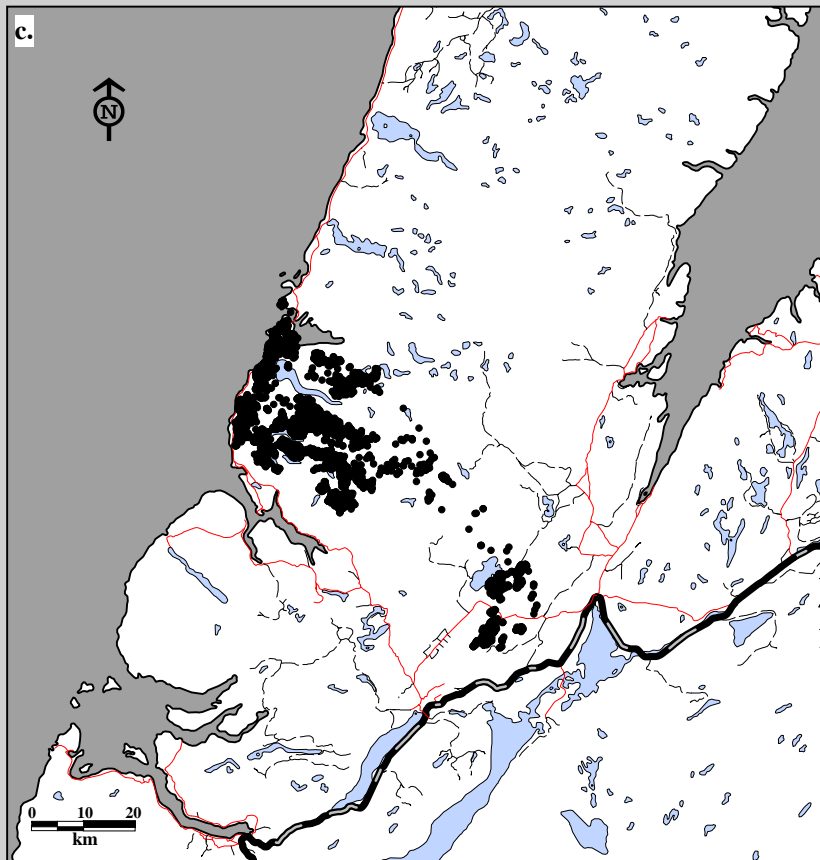
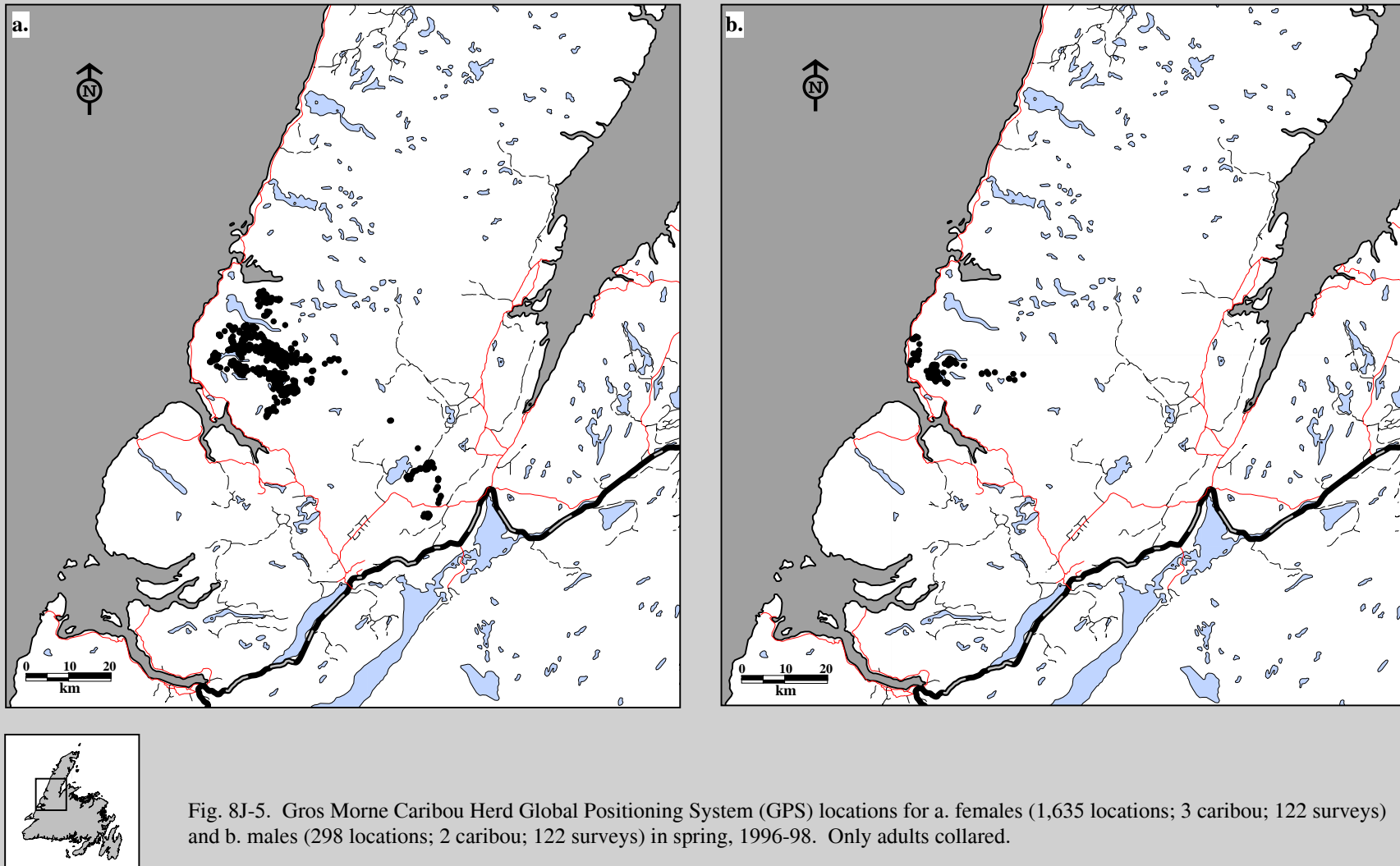
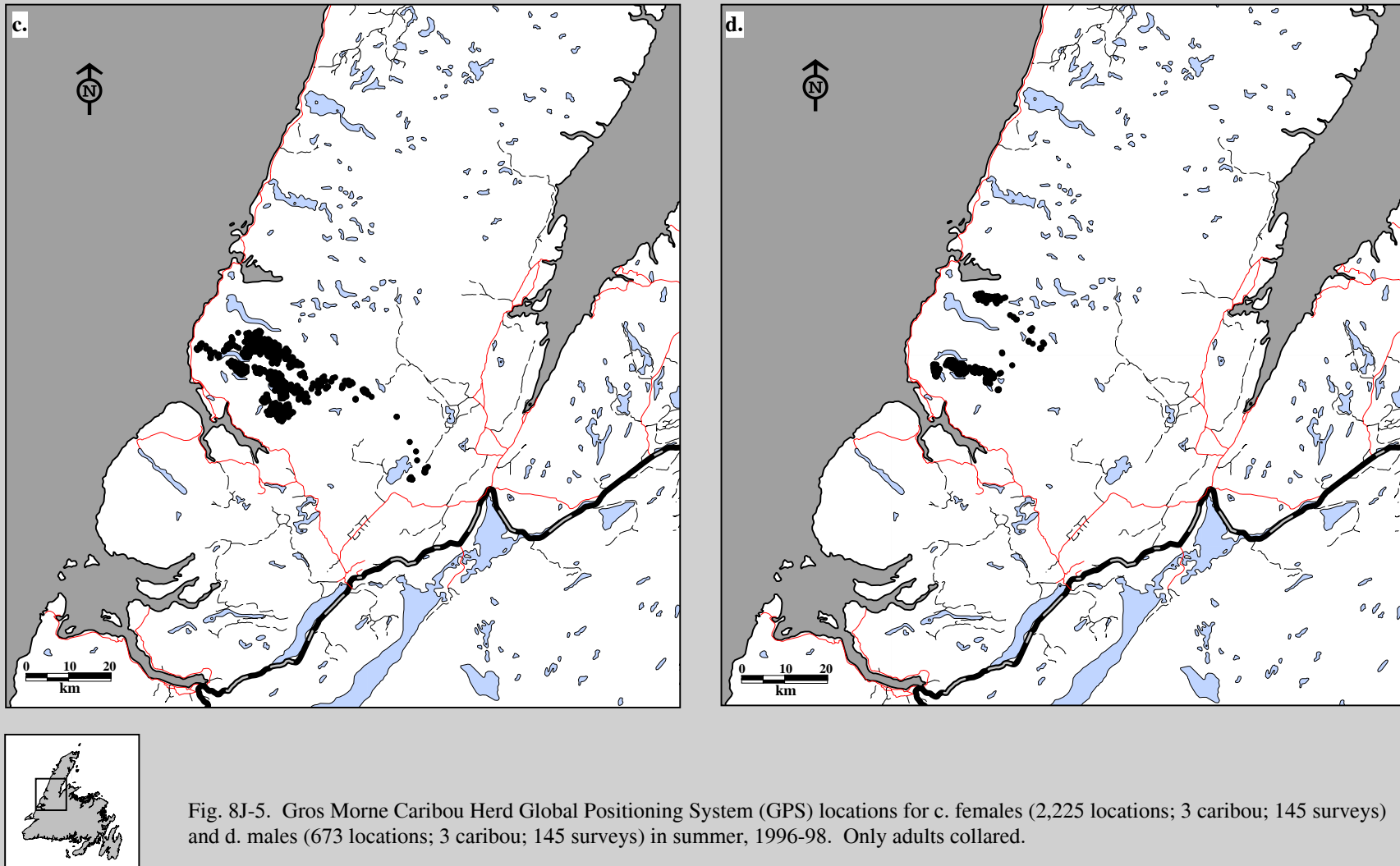


Fig. 8J-4. Gros Morne Caribou Herd Global Positioning System (GPS) locations for c. all cohorts (6,518 locations; 6 caribou; 329 surveys), May 1, 1997 to April 30, 1998 and d. all cohorts (1,179 locations; 4 caribou; 89 surveys), May 1, 1998 to July 23, 1998. Only adults collared.





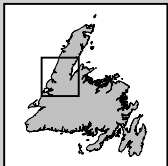
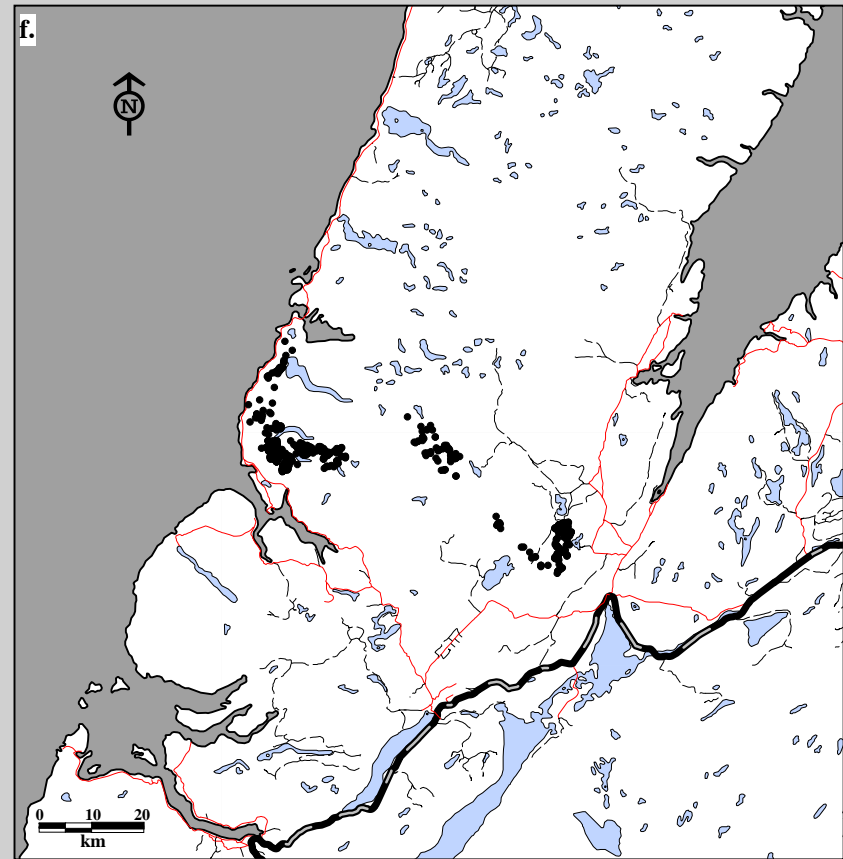
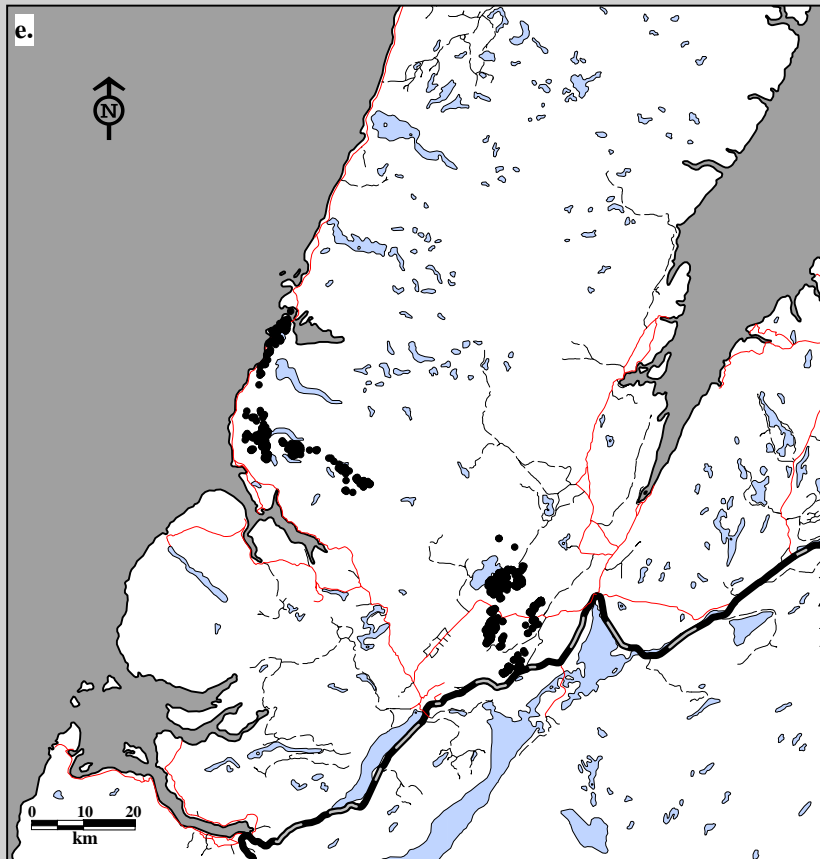


Fig. 8J-5. Gros Morne Caribou Herd Global Positioning System (GPS) locations for e. females (1,281 locations; 3 caribou; 122 surveys) and f. males (1,160 locations; 3 caribou; 122 surveys) in fall, 1996-98. Only adults collared.

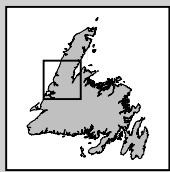
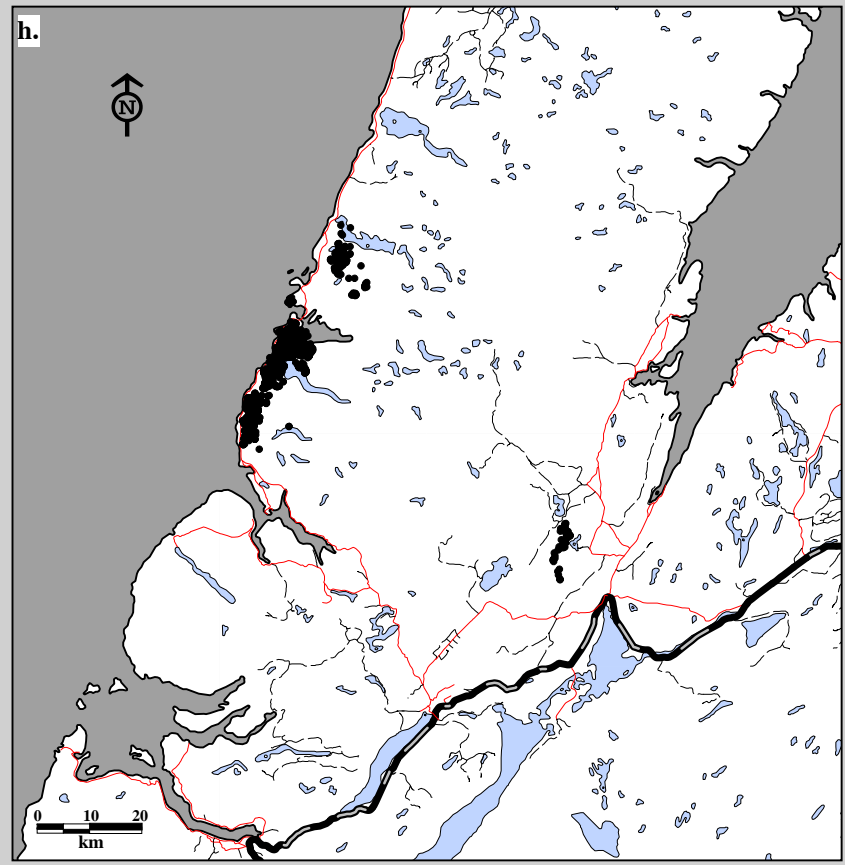
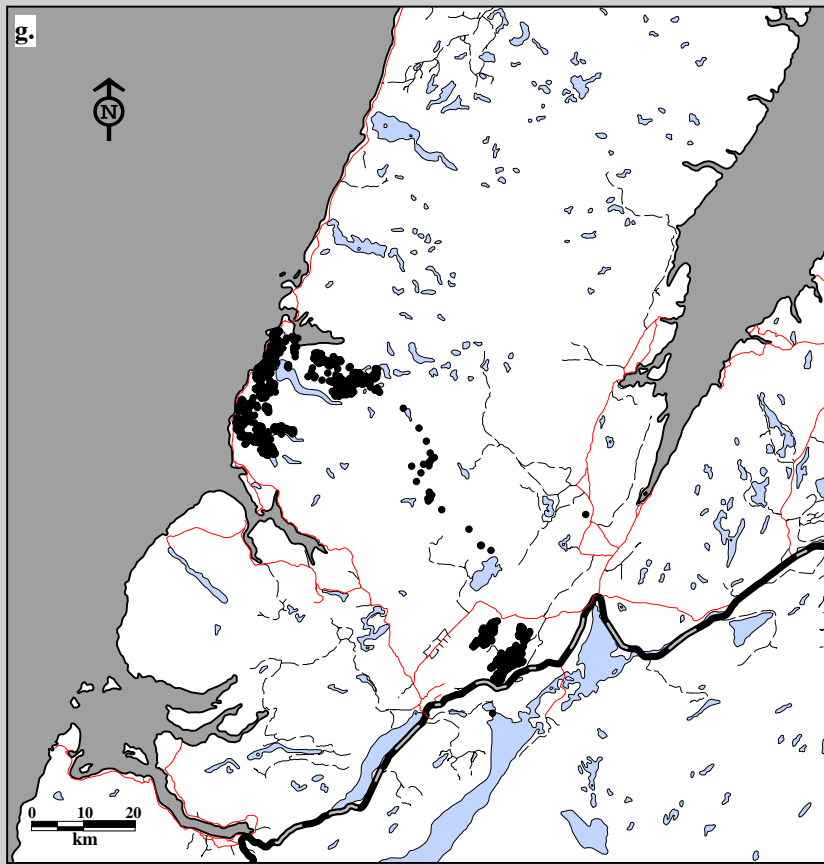


Fig. 8J-5. Gros Morne Caribou Herd Global Positioning System (GPS) locations for g. females (2,683 locations; 5 caribou; 287 surveys) and h. males (1,948 locations; 8 caribou; 287 surveys) in winter, 1996-98. Only adults collared.

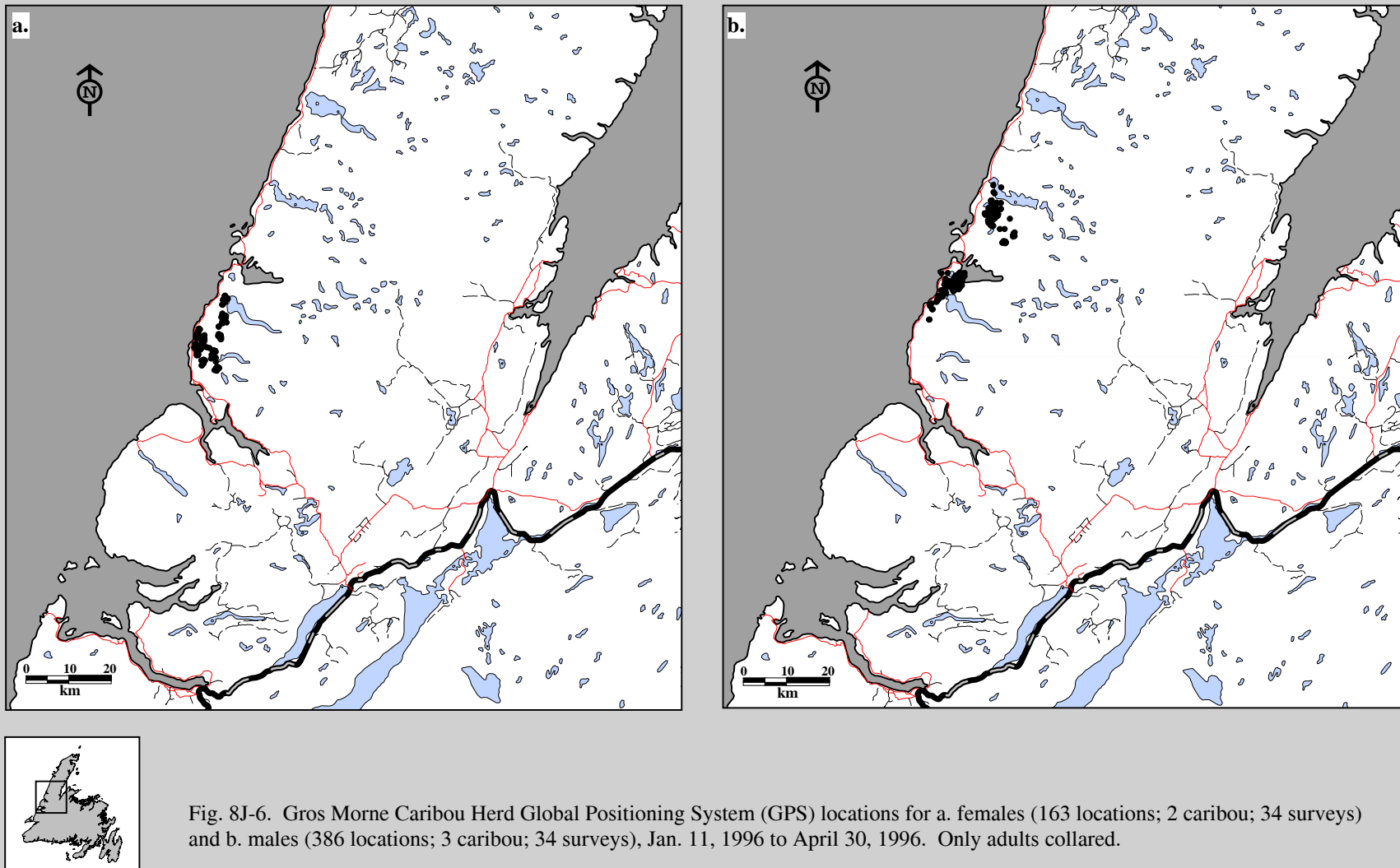
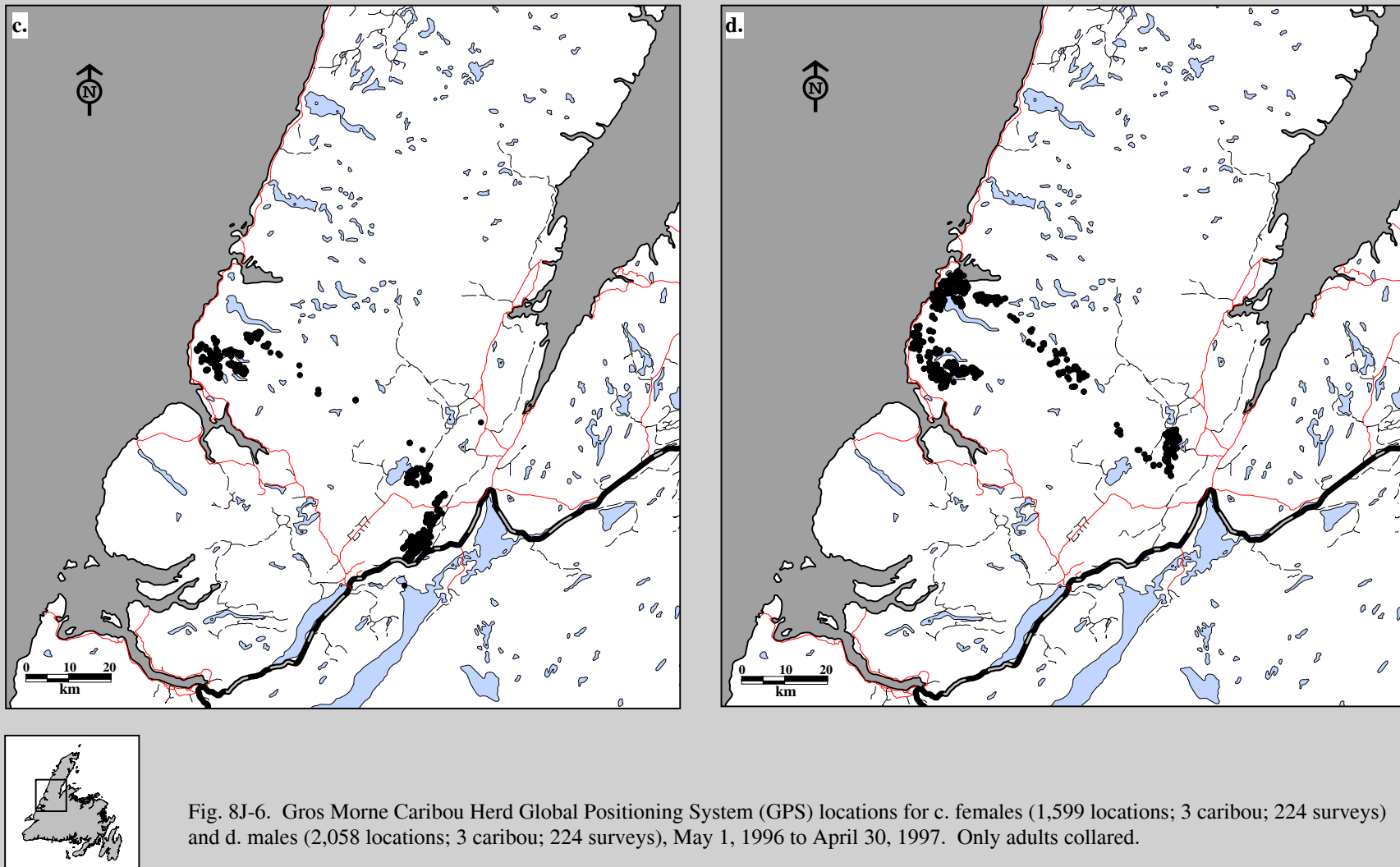
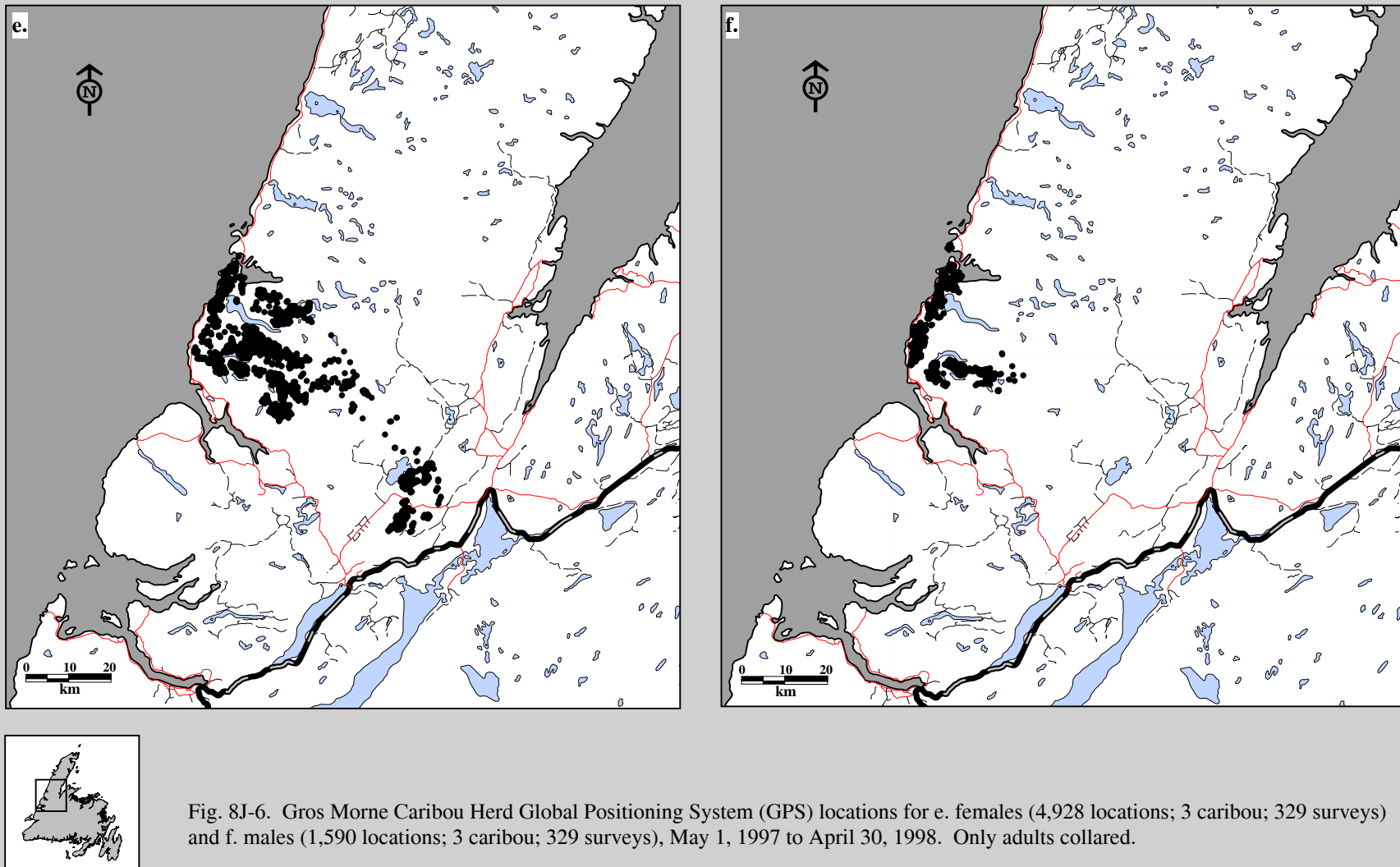


Fig. 8J-6. Gros Morne Caribou Herd Global Positioning System (GPS) locations for a. females (163 locations; 2 caribou; 34 surveys) and b. males (386 locations; 3 caribou; 34 surveys), Jan. 11, 1996 to April 30, 1996. Only adults collared.









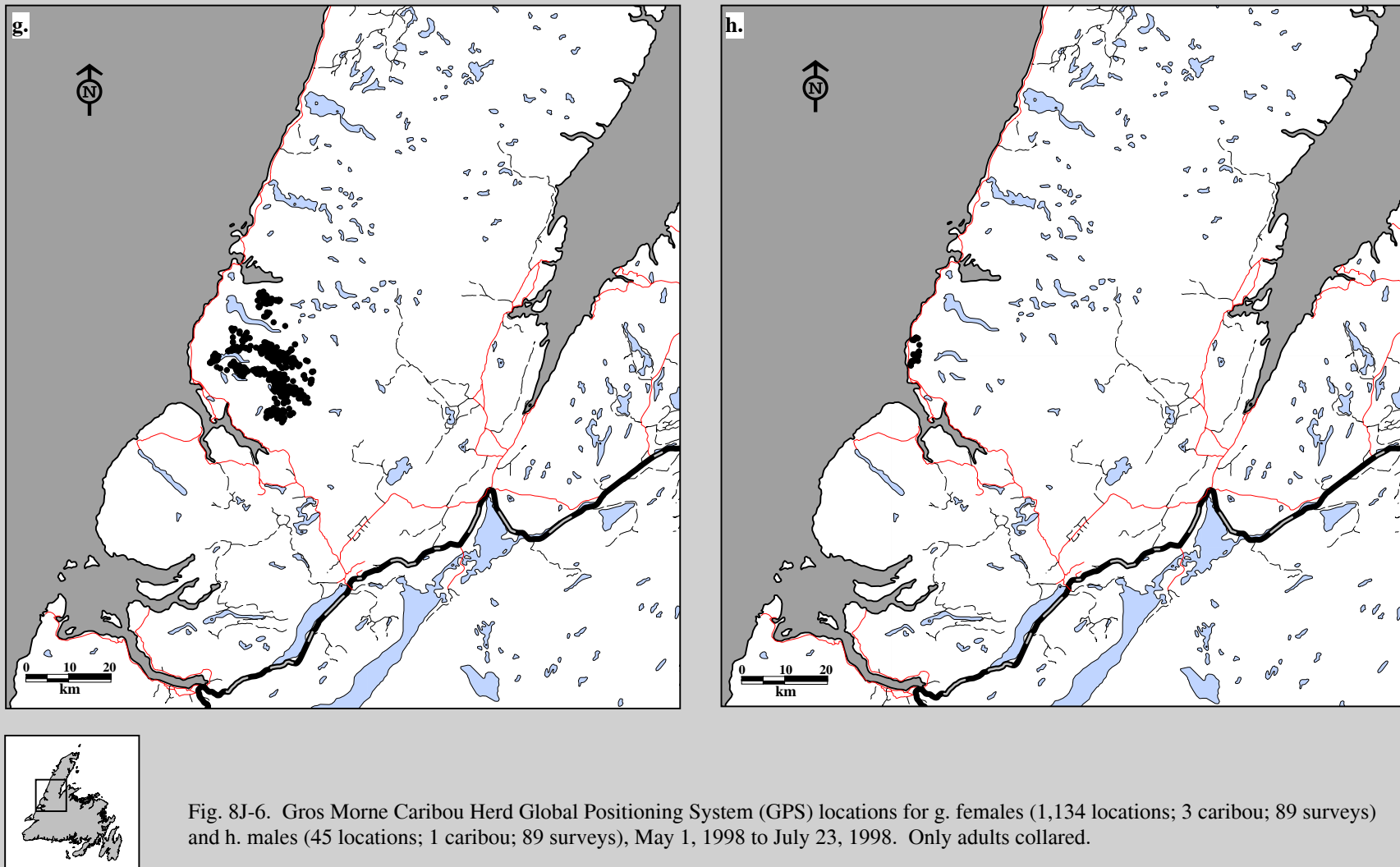


Fig. 8J-6. Gros Morne Caribou Herd Global Positioning System (GPS) locations for g. females (1,134 locations; 3 caribou; 89 surveys) and h. males (45 locations; 1 caribou; 89 surveys), May 1, 1998 to July 23, 1998. Only adults collared.

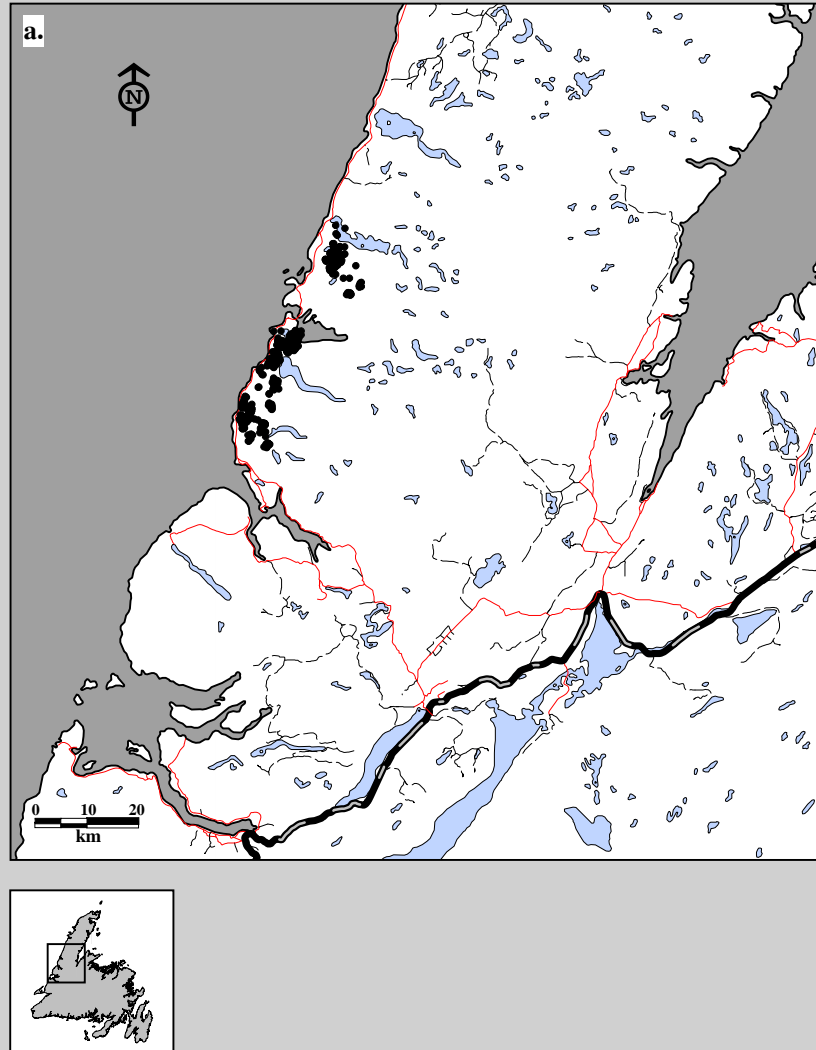


Fig. 8J-7. Gros Morne Caribou Herd Global Positioning System (GPS) locations for a. winter (549 locations; 5 caribou; 34 surveys), Jan. 11, 1996 to April 30, 1996. Only adults collared.

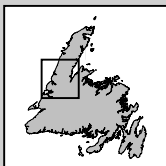
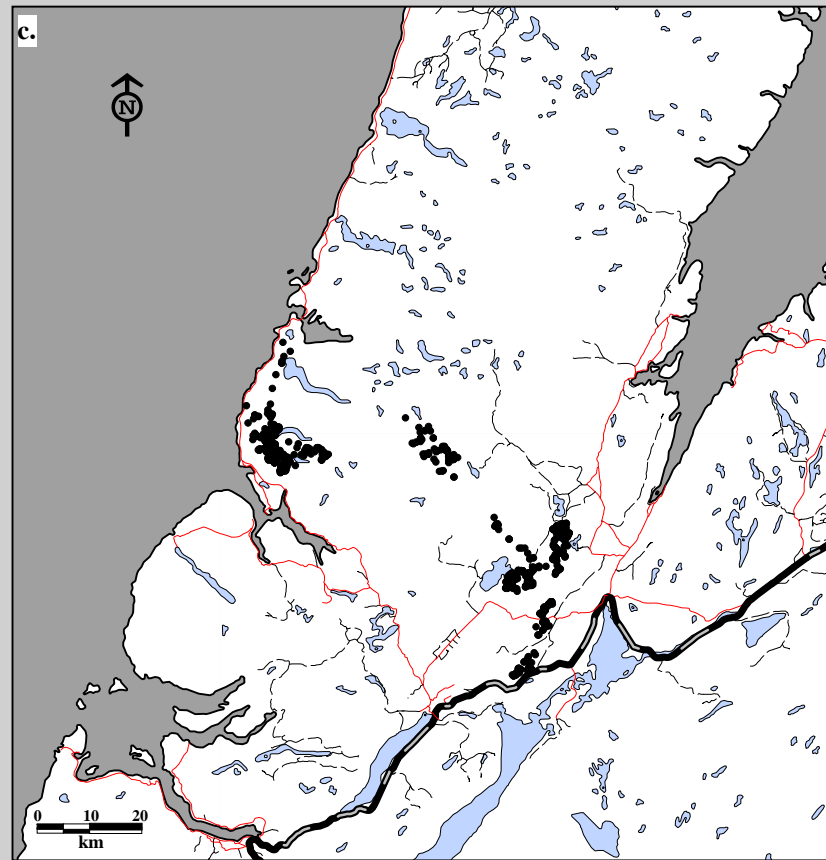
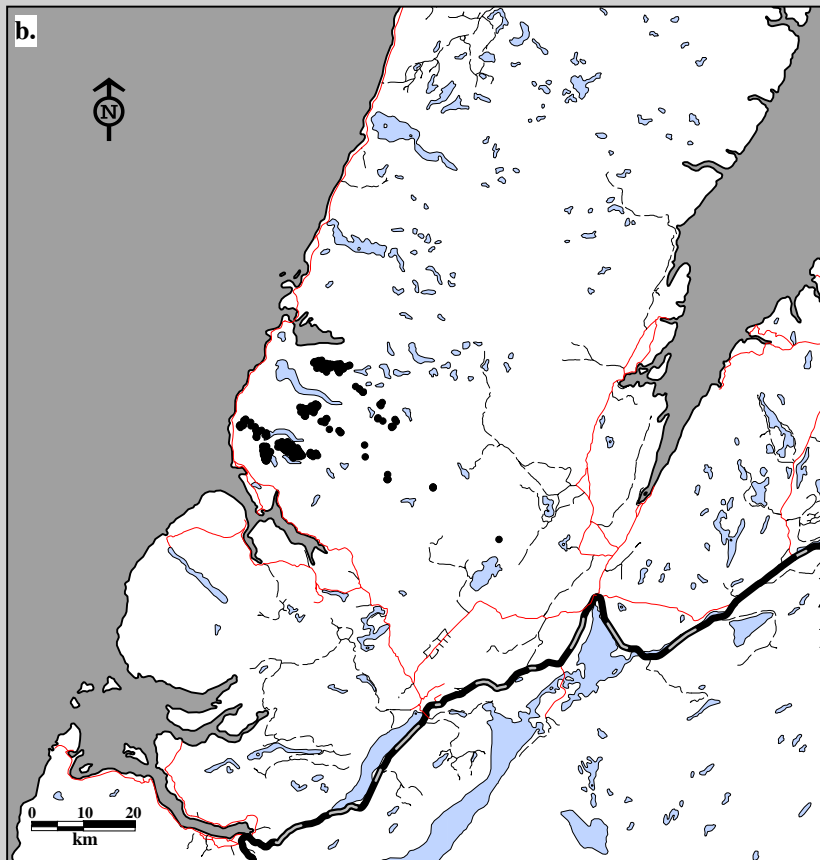


Fig. 8J-7. Gros Morne Caribou Herd Global Positioning System (GPS) locations for b. summer (524 locations; 5 caribou; 25 surveys) and c. fall (1,374 locations; 5 caribou; 61 surveys), May 1, 1996 to April 30, 1997. Only adults collared.

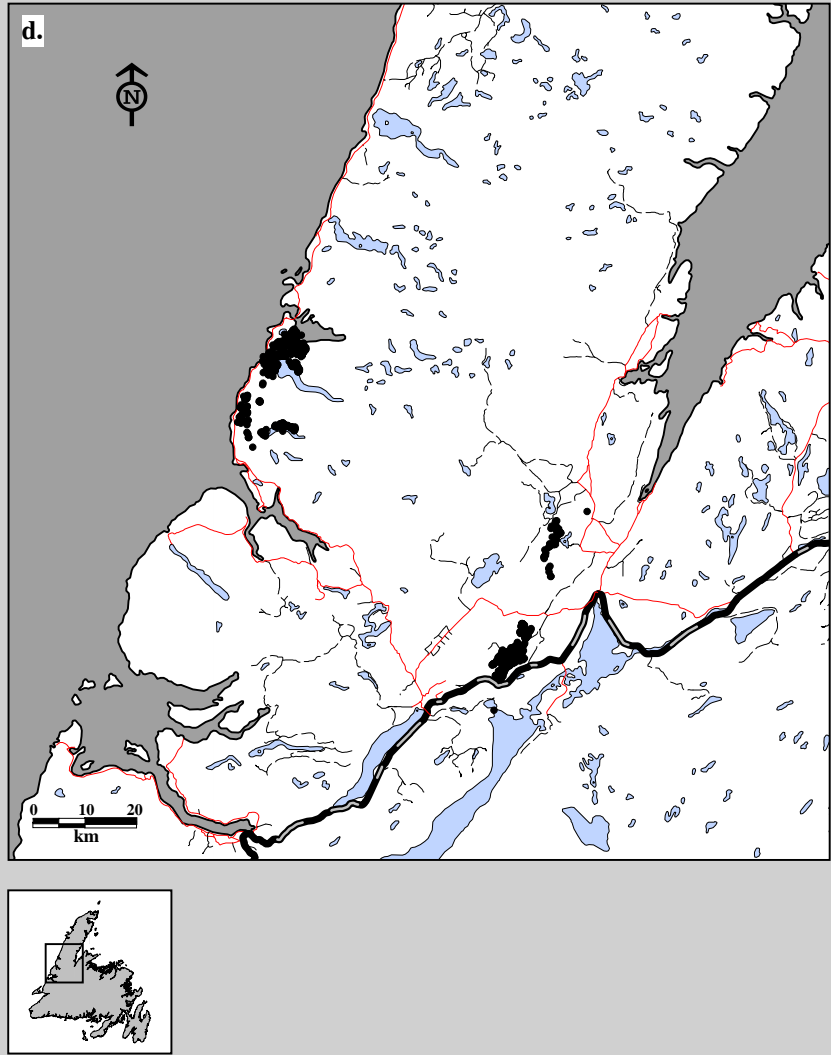


Fig. 8J-7. Gros Morne Caribou Herd Global Positioning System (GPS) locations for d. winter (1,759 locations; 5 caribou; 138 surveys), May 1, 1996 to April 30, 1997. Only adults collared.

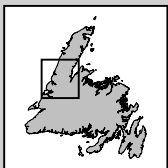
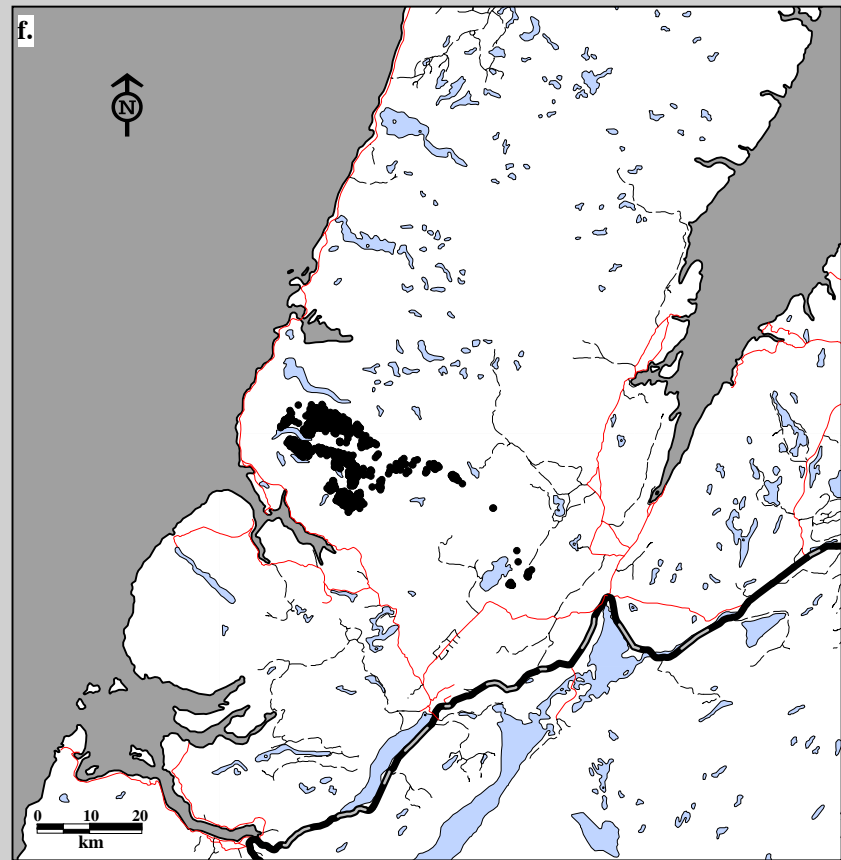
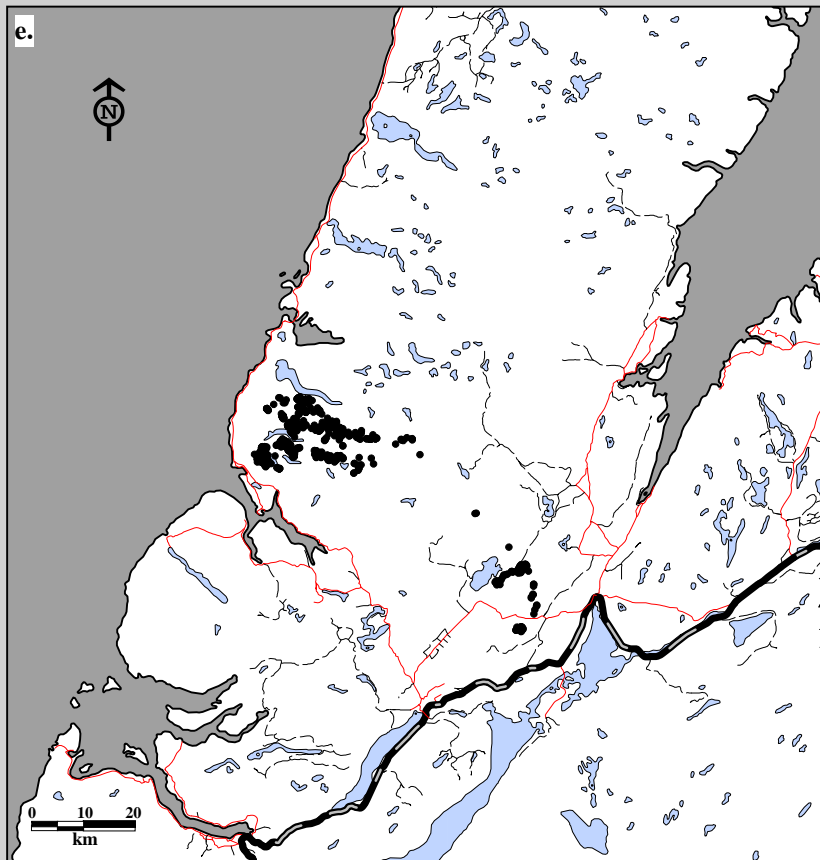


Fig. 8J-7. Gros Morne Caribou Herd Global Positioning System (GPS) locations for e. spring (1,089 locations; 4 caribou; 61 surveys) and f. summer (2,039 locations; 4 caribou; 92 surveys), May 1, 1997 to April 30, 1998. Only adults collared.

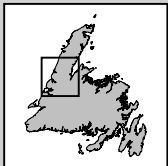
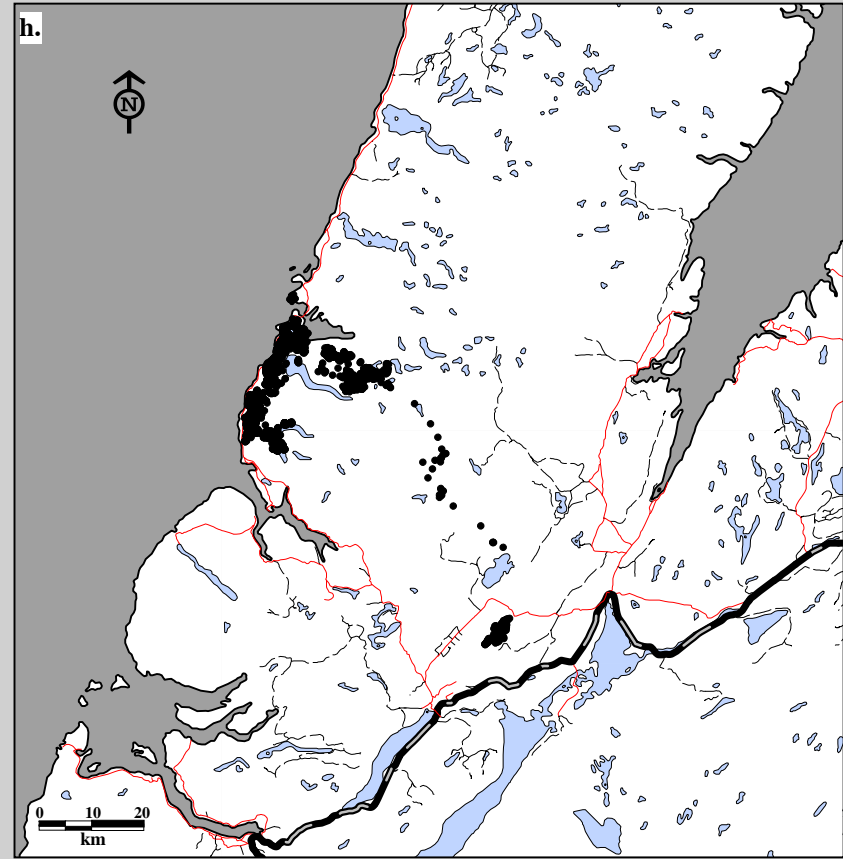
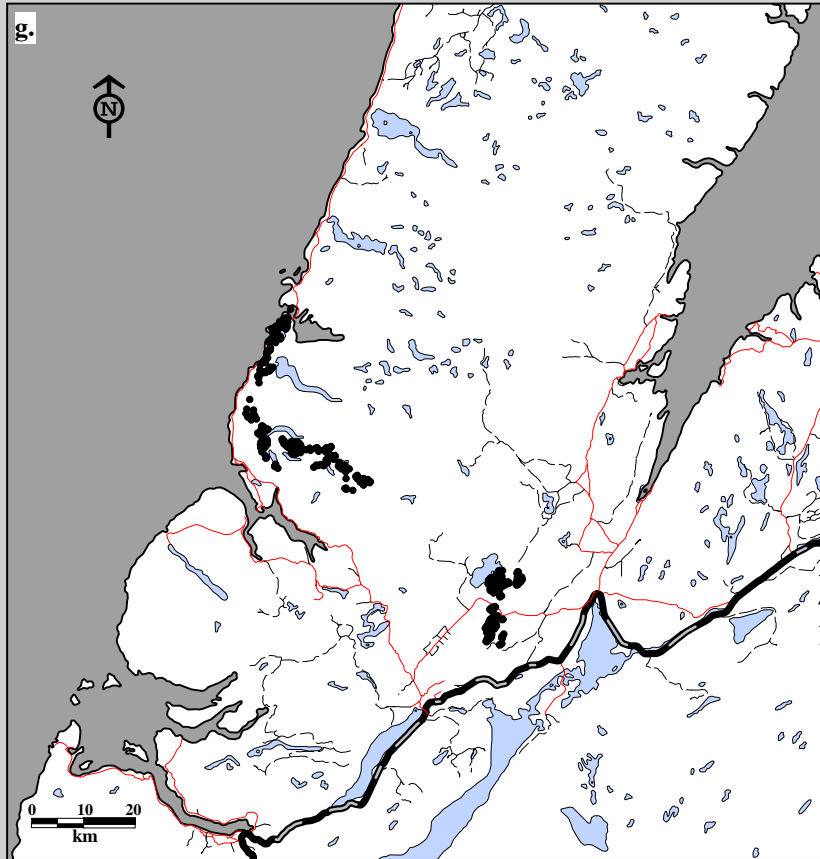


Fig. 8J-7. Gros Morne Caribou Herd Global Positioning System (GPS) locations for g. fall (1,067 locations; 4 caribou; 61 surveys) and h. winter (2,323 locations; 5 caribou; 115 surveys), May 1, 1997 to April 30, 1998. Only adults collared.

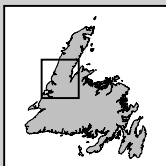
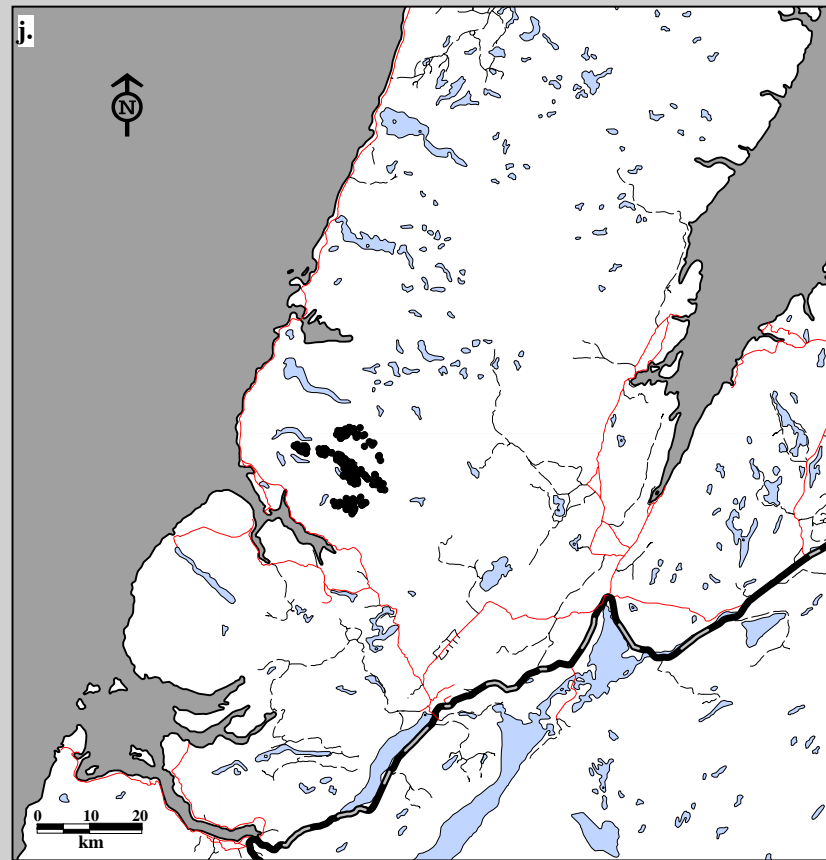
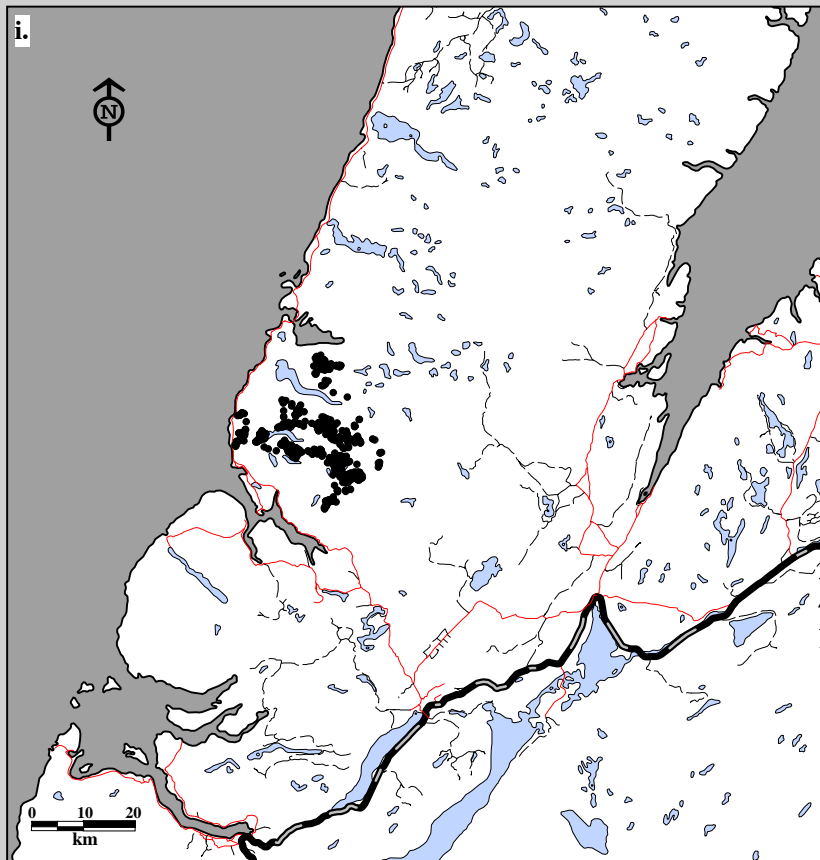


Fig. 8J-7. Gros Morne Caribou Herd Global Positioning System (GPS) locations for i. spring (844 locations; 4 caribou; 61 surveys) and j. summer (335 locations; 3 caribou; 28 surveys), May 1, 1998 to July 23, 1998. Only adults collared.



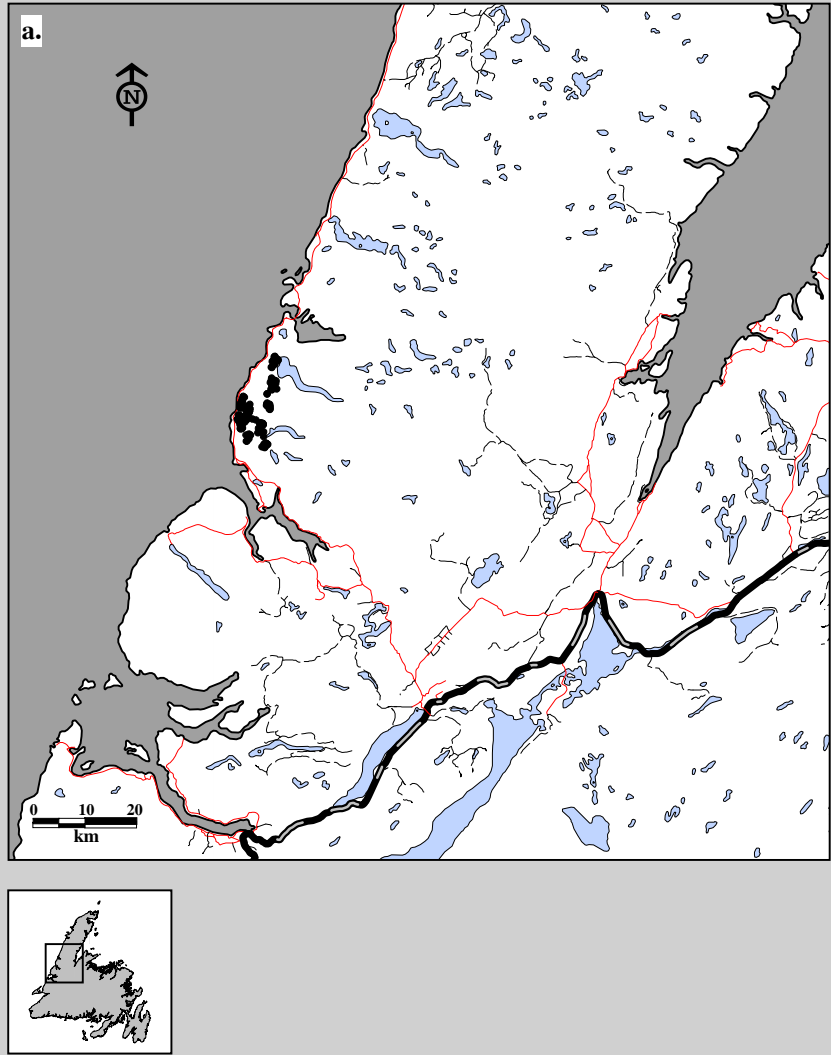


Fig. 8J-8. Gros Morne Caribou Herd Global Positioning System (GPS) locations for females in a. winter (163 locations; 2 caribou; 34 surveys), Jan. 11, 1996 to April 30, 1996. Only adults collared.

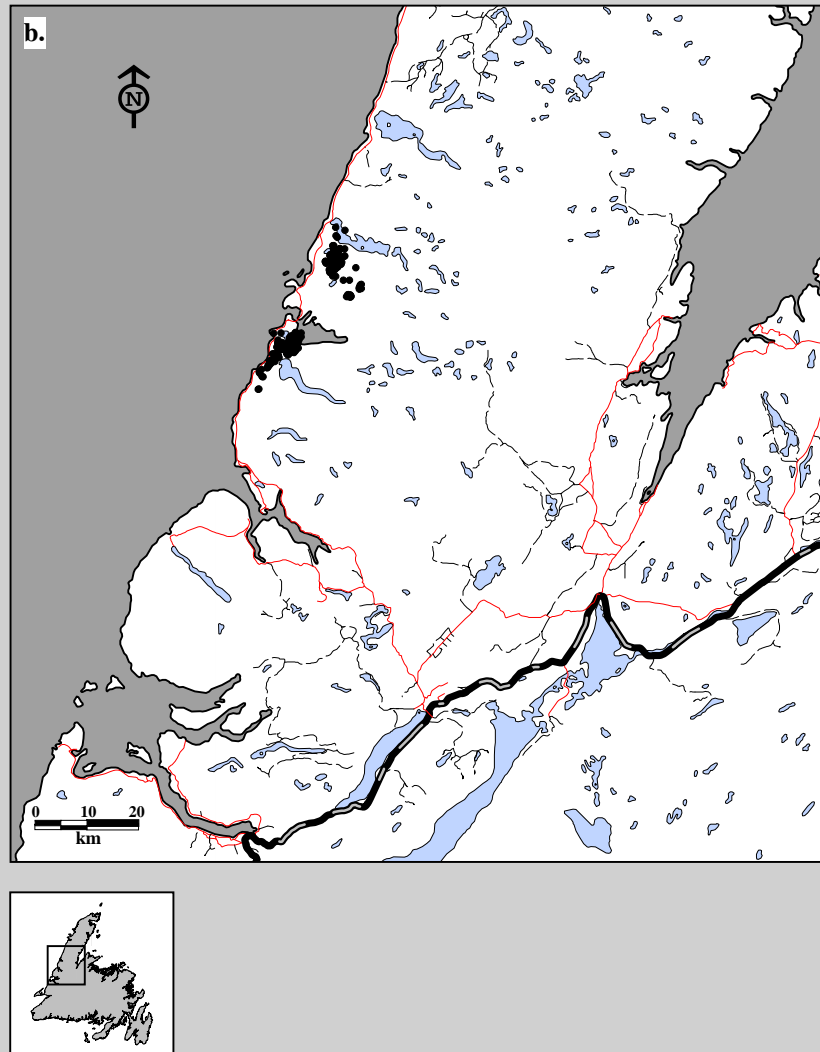


Fig. 8J-8. Gros Morne Caribou Herd Global Positioning System (GPS) locations for males in b. winter (386 locations; 3 caribou; 34 surveys), Jan. 11, 1996 to April 30, 1996. Only adults collared.

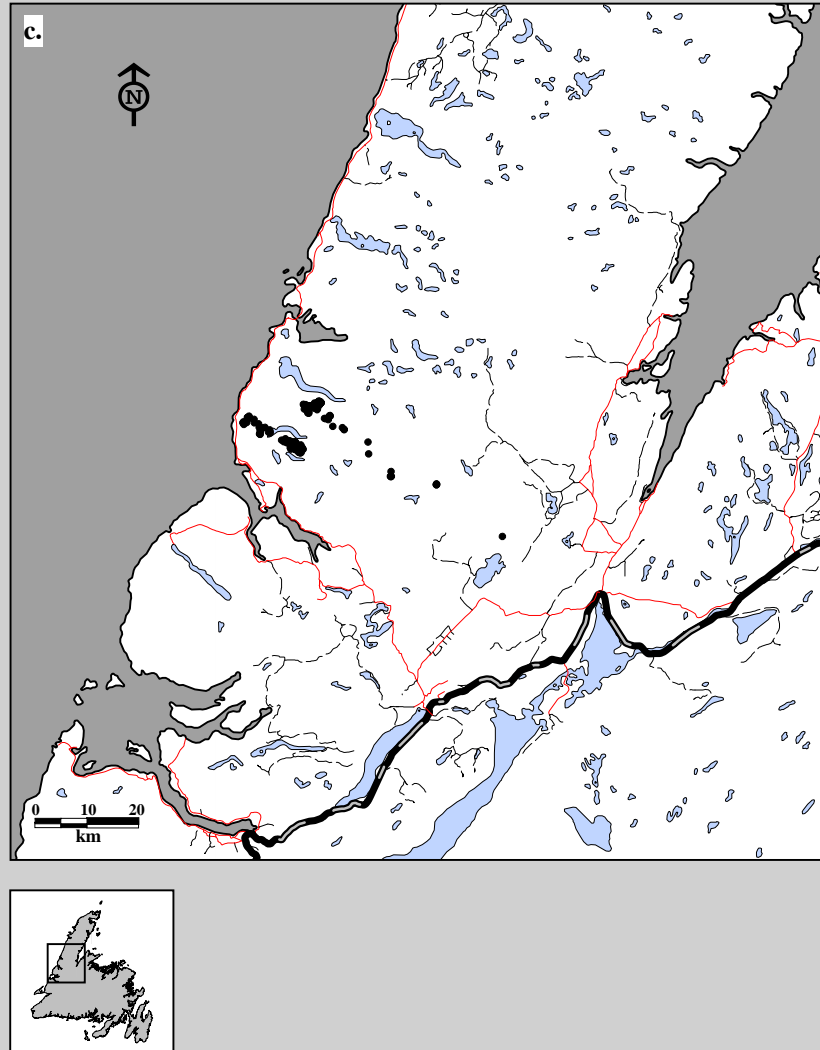


Fig. 8J-8. Gros Morne Caribou Herd Global Positioning System (GPS) locations for females in c. summer (244 locations; 2 caribou; 25 surveys), May 1, 1996 to April 30, 1997. Only adults collared.

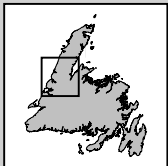
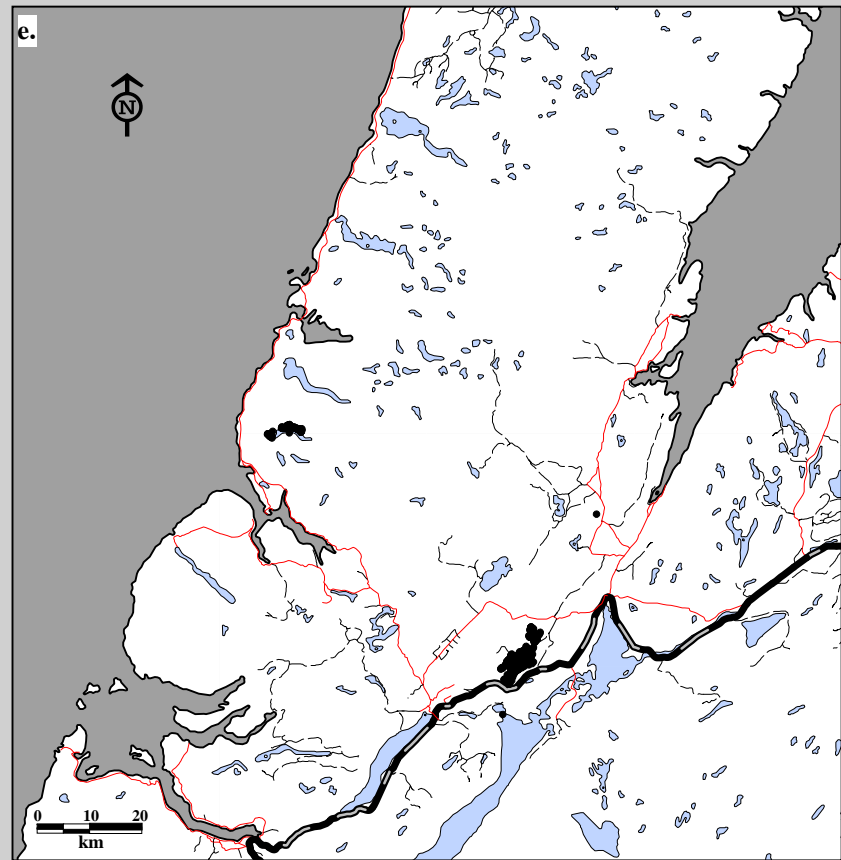
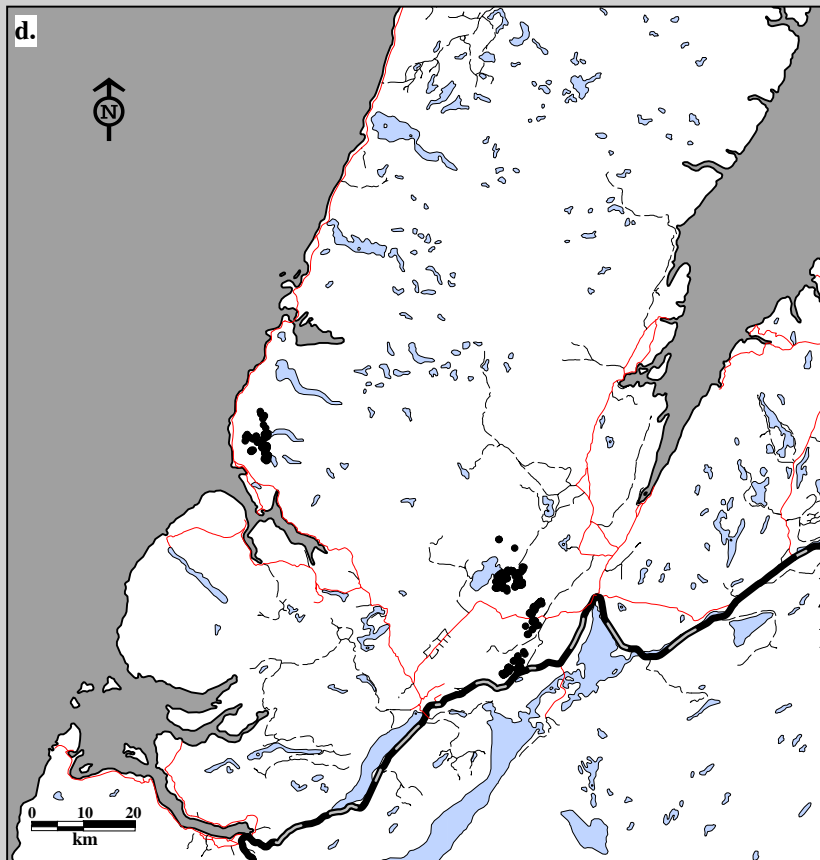


Fig. 8J-8. Gros Morne Caribou Herd Global Positioning System (GPS) locations for females in d. fall (452 locations; 2 caribou; 61 surveys) and e. winter (903 locations; 2 caribou; 138 surveys), May 1, 1996 to April 30, 1997. Only adults collared.

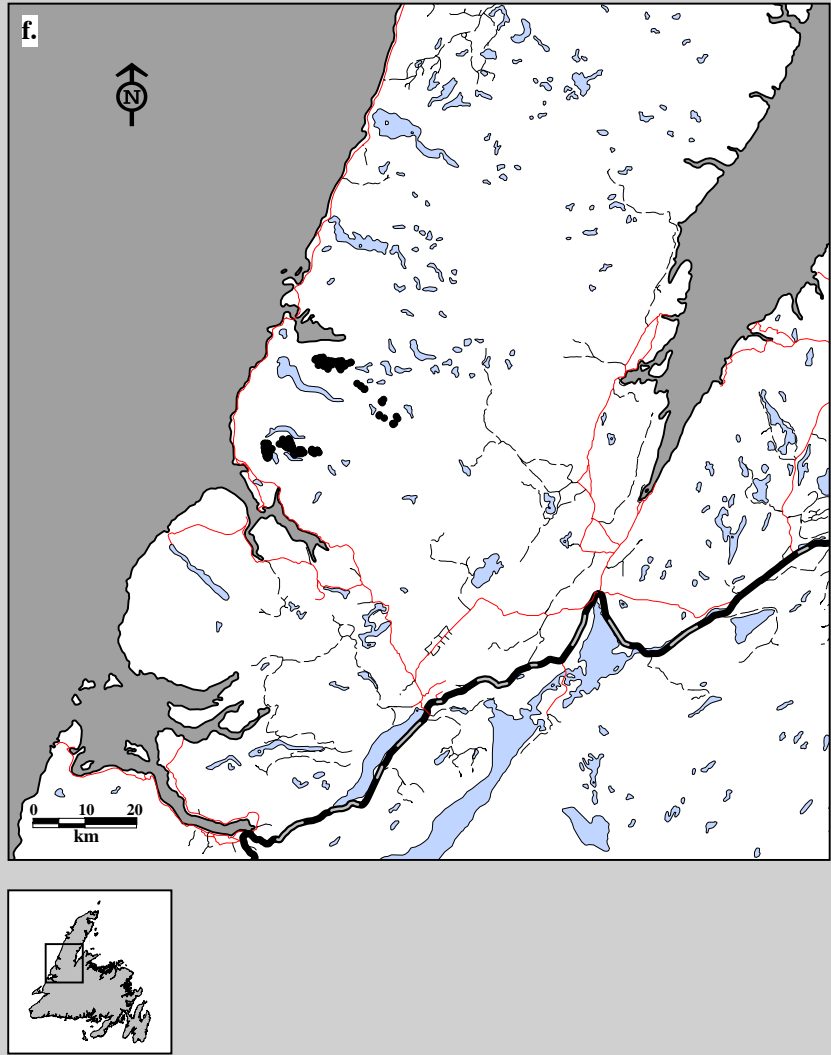


Fig. 8J-8. Gros Morne Caribou Herd Global Positioning System (GPS) locations for males in f. summer (280 locations; 3 caribou; 25 surveys), May 1, 1996 to April 30, 1997. Only adults collared.

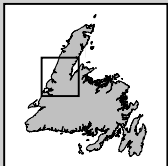
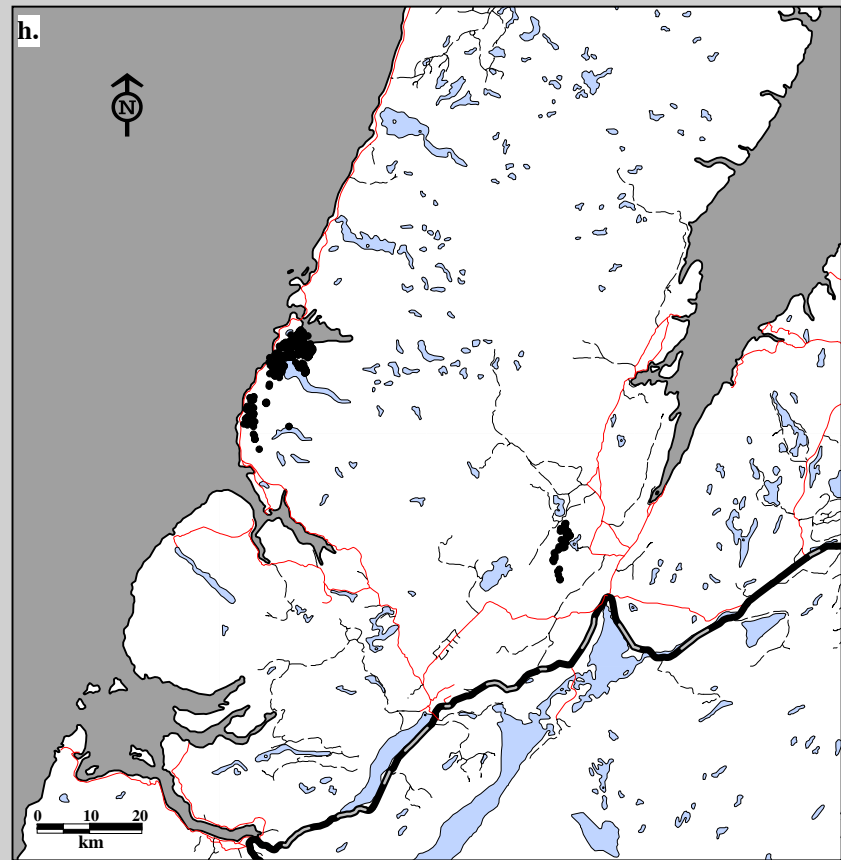
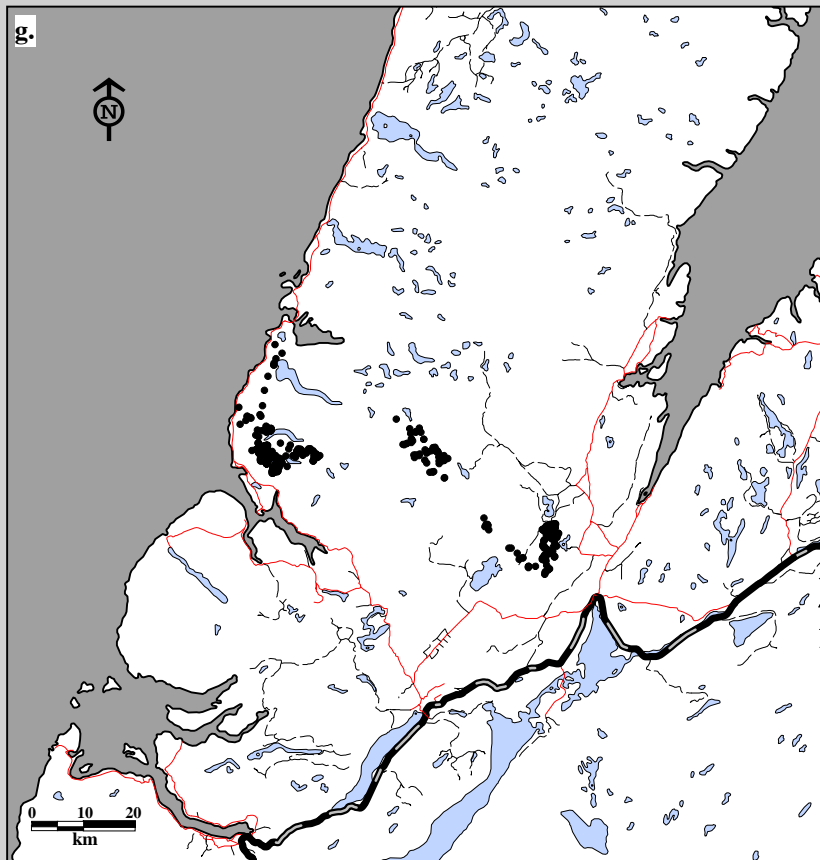
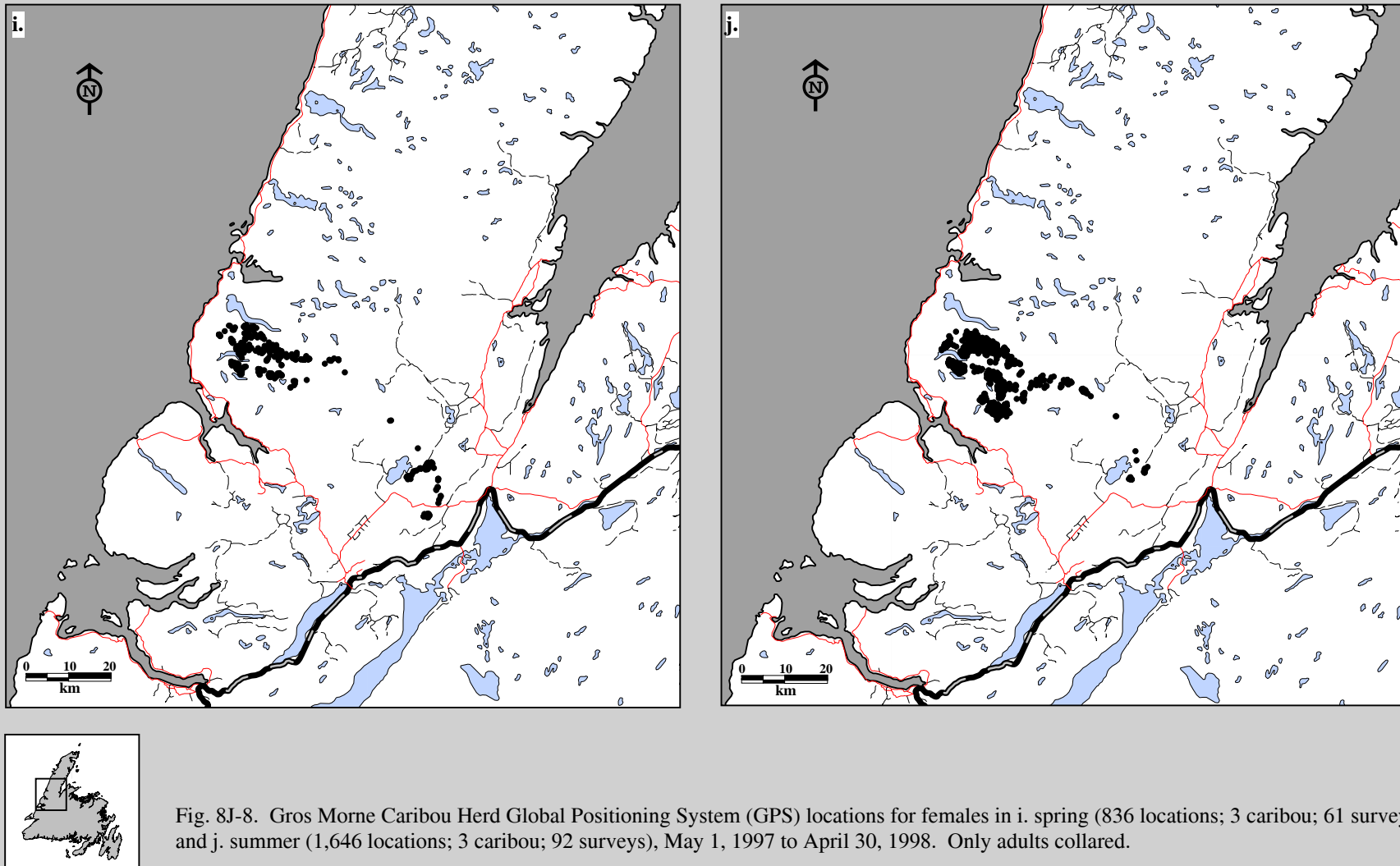


Fig. 8J-8. Gros Morne Caribou Herd Global Positioning System (GPS) locations for males in g. fall (922 locations; 3 caribou; 61 surveys) and h. winter (856 locations; 3 caribou; 138 surveys), May 1, 1996 to April 30, 1997. Only adults collared.



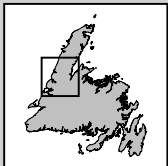
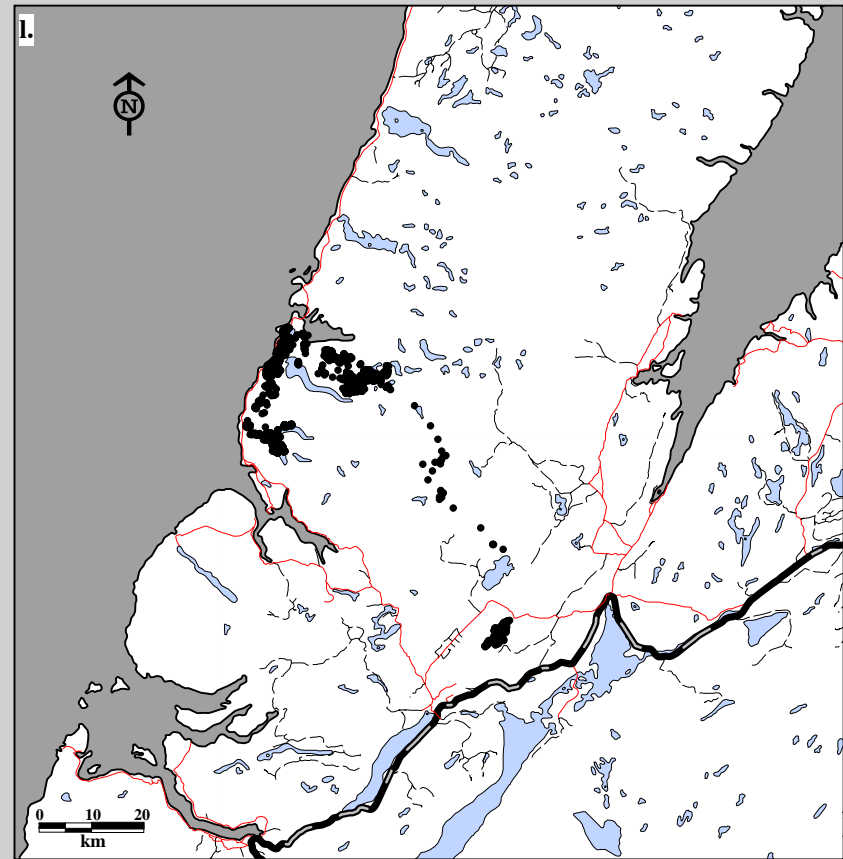
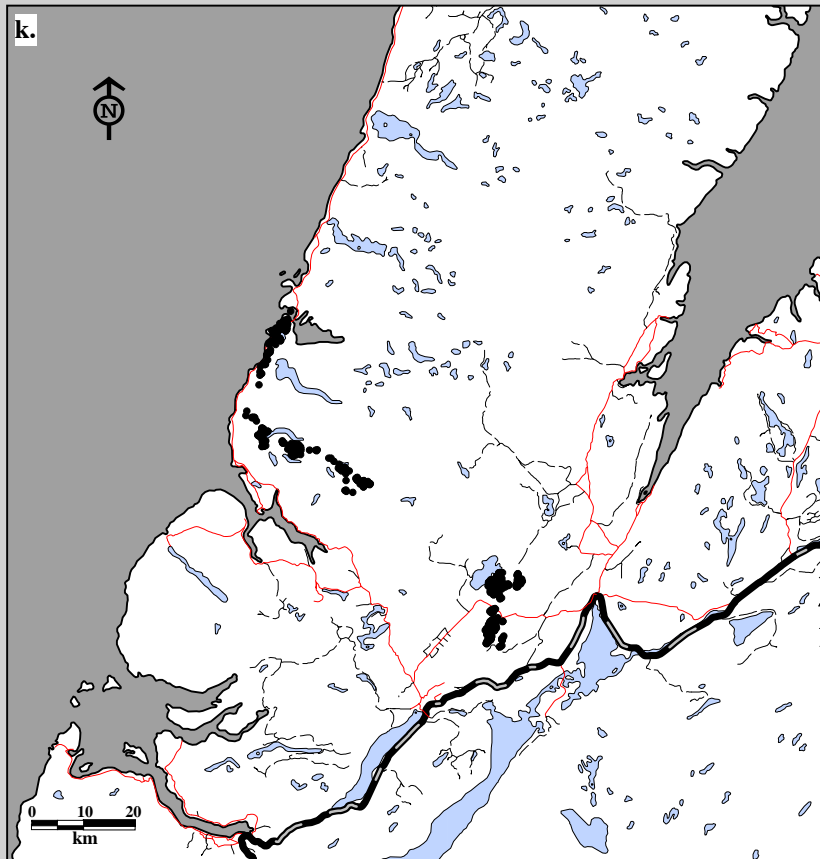


Fig. 8J-8. Gros Morne Caribou Herd Global Positioning System (GPS) locations for females in k. fall (829 locations; 3 caribou; 61 surveys) and l. winter (1,617 locations; 3 caribou; 115 surveys), May 1, 1997 to April 30, 1998. Only adults collared.



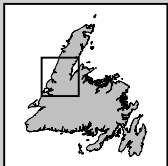
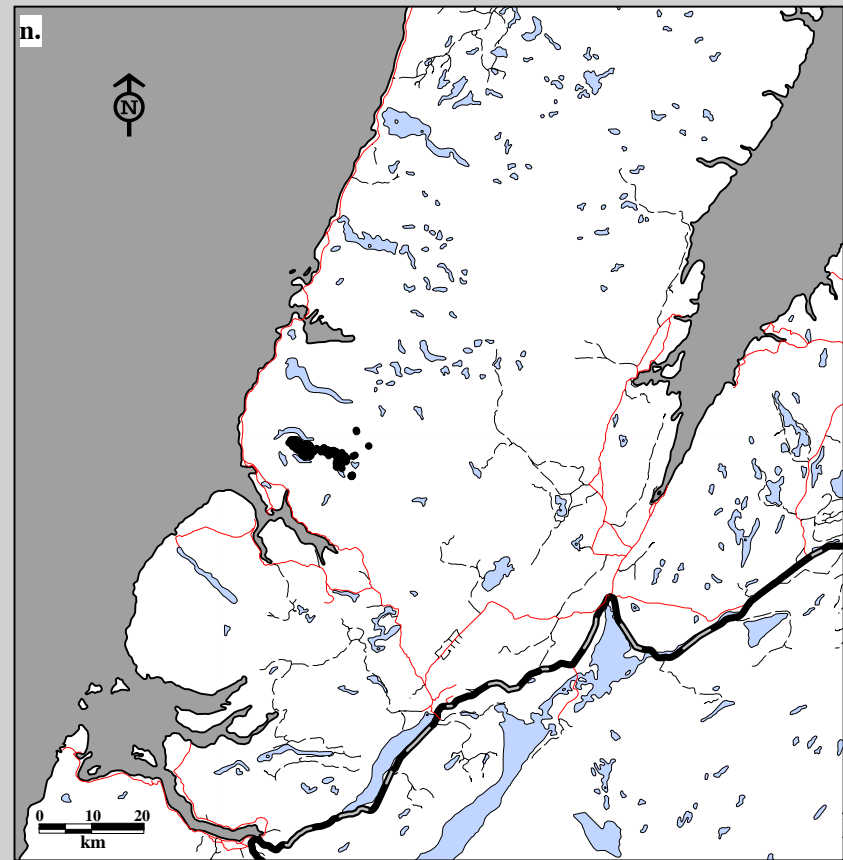
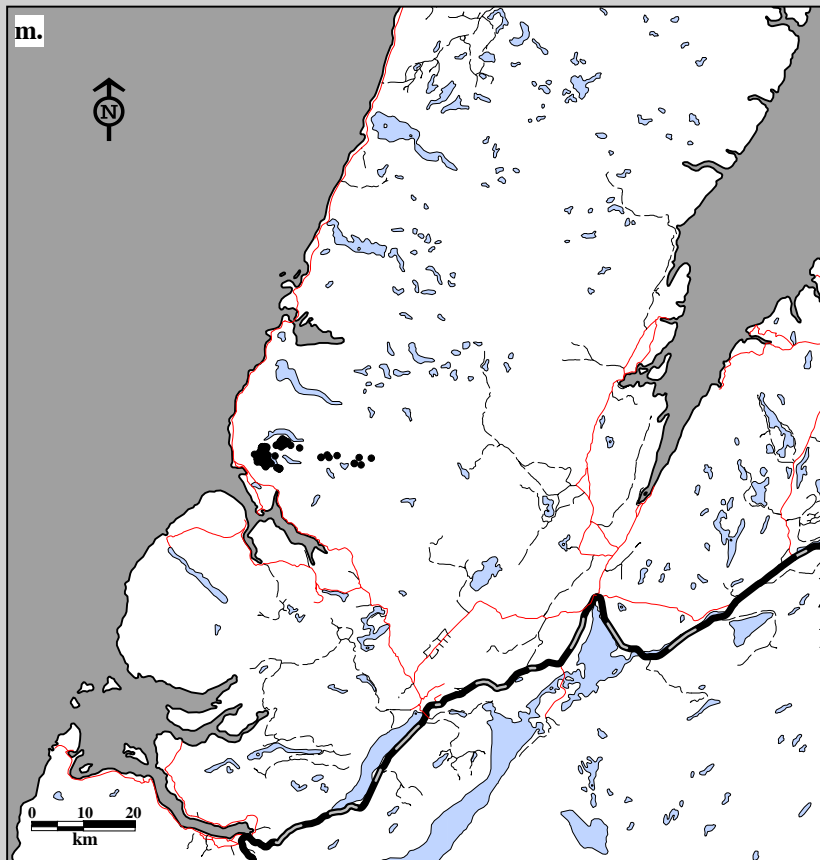


Fig. 8J-8. Gros Morne Caribou Herd Global Positioning System (GPS) locations for males in m. spring (253 locations; 1 caribou; 61 surveys) and n. summer (393 locations; 1 caribou; 92 surveys), May 1, 1997 to April 30, 1998. Only adults collared.

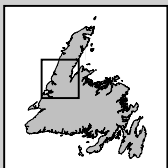
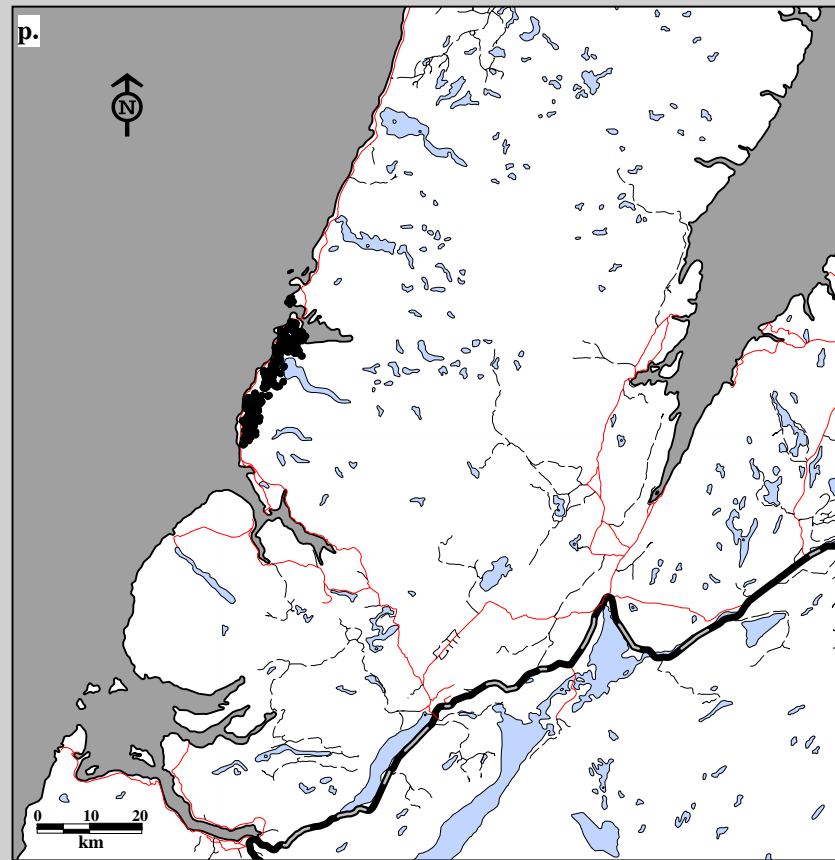
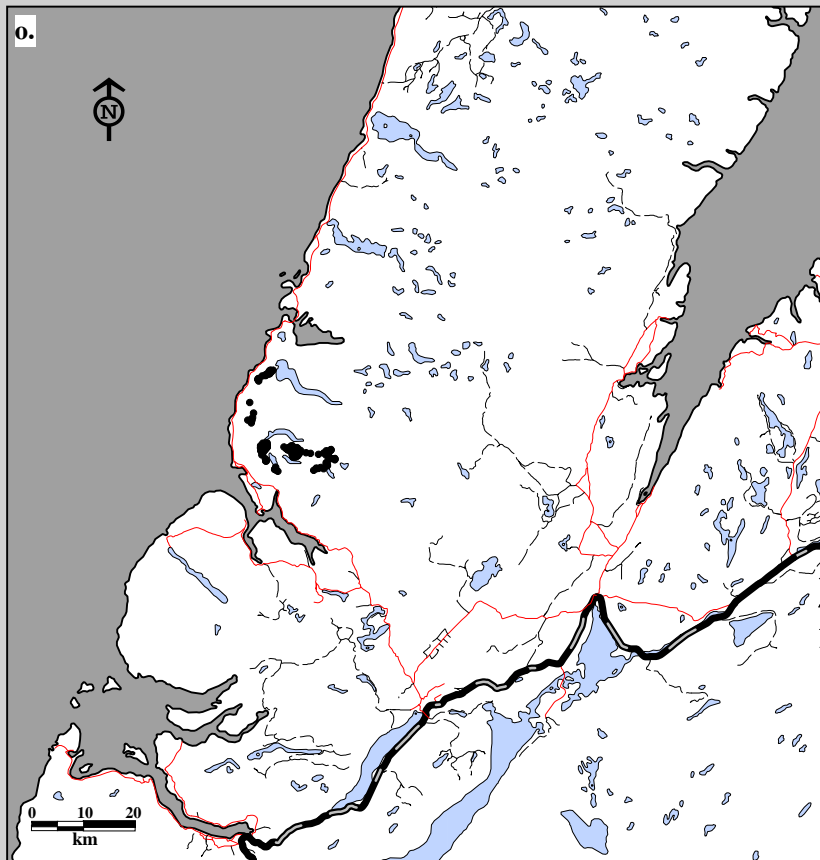


Fig. 8J-8. Gros Morne Caribou Herd Global Positioning System (GPS) locations for males in o. fall (238 locations; 1 caribou; 61 surveys) and p. winter (706 locations; 2 caribou; 115 surveys), May 1, 1997 to April 30, 1998. Only adults collared.

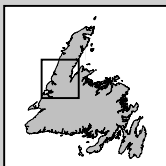
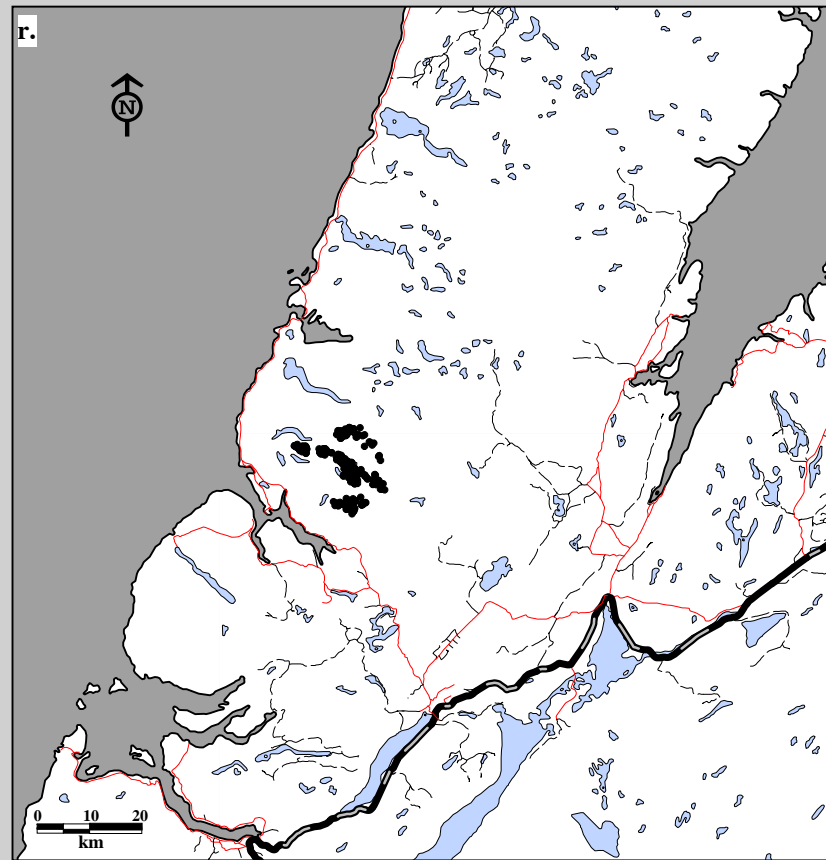
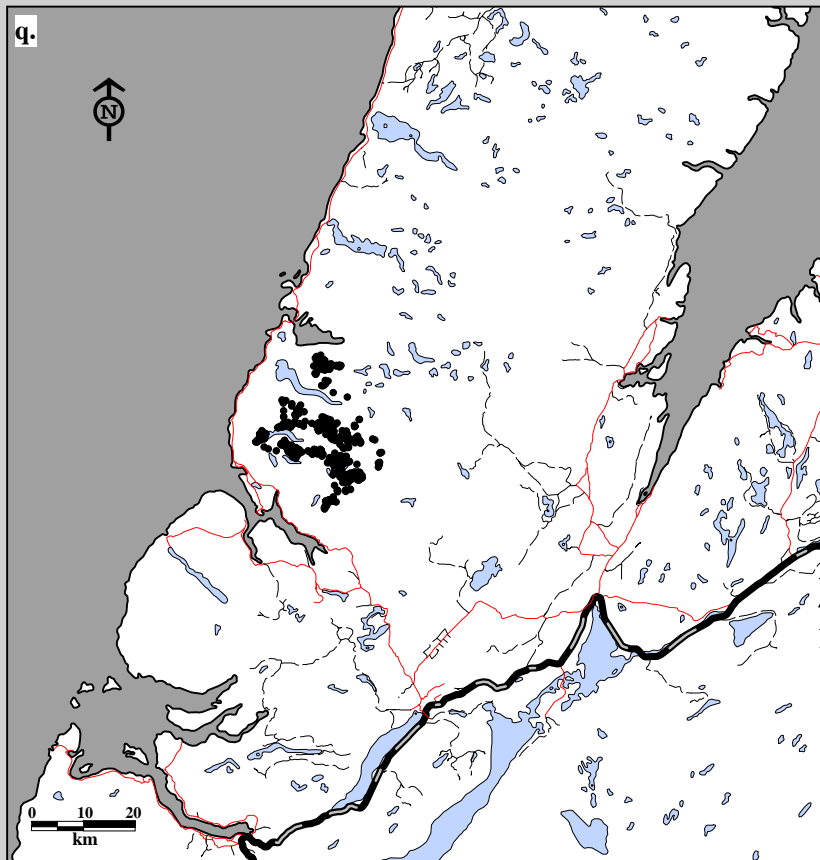


Fig. 8J-8. Gros Morne Caribou Herd Global Positioning System (GPS) locations for females in q. spring (799 locations; 3 caribou; 61 surveys) and r. summer (335 locations; 3 caribou; 28 surveys), May 1, 1998 to July 23, 1998. Only adults collared.

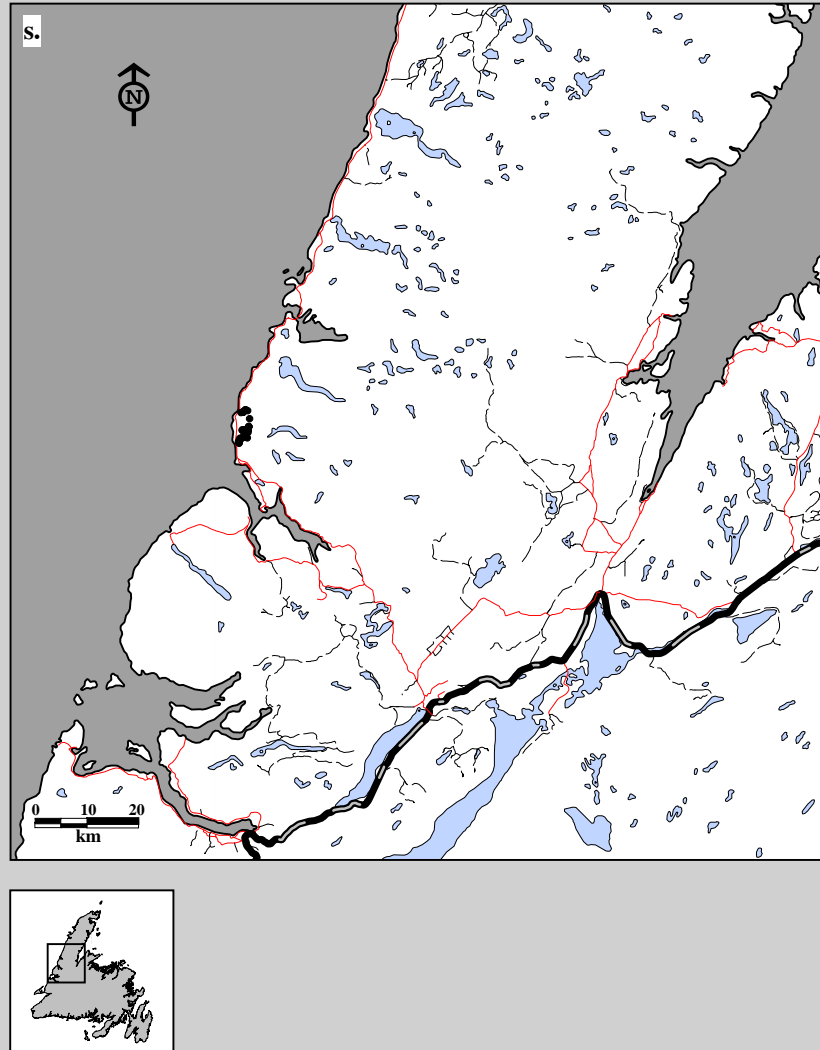
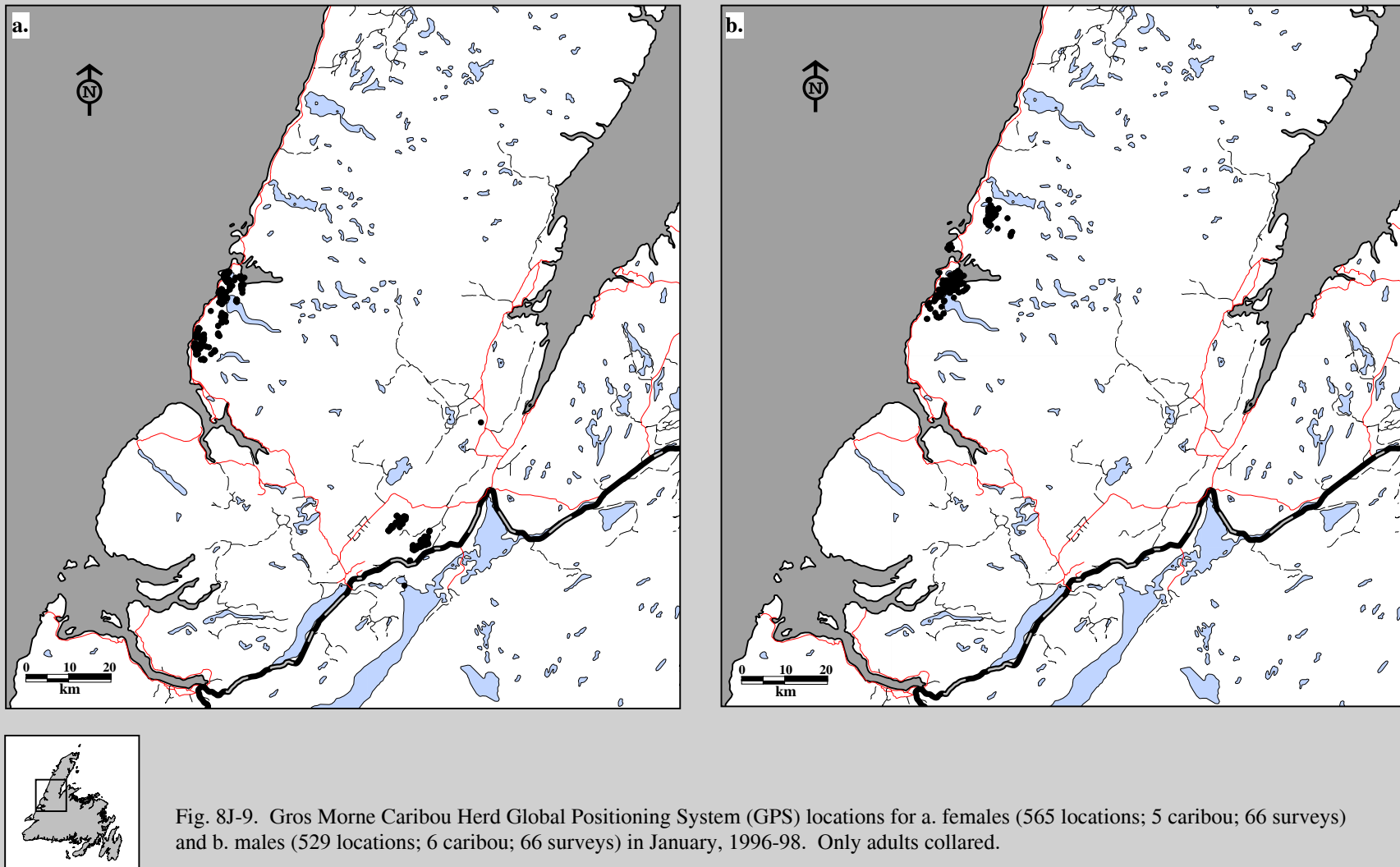


Fig. 8J-8. Gros Morne Caribou Herd Global Positioning System (GPS) locations for males in s. spring (45 locations; 1 caribou; 61 surveys), May 1, 1998 to July 23, 1998. Only adults collared.



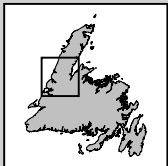
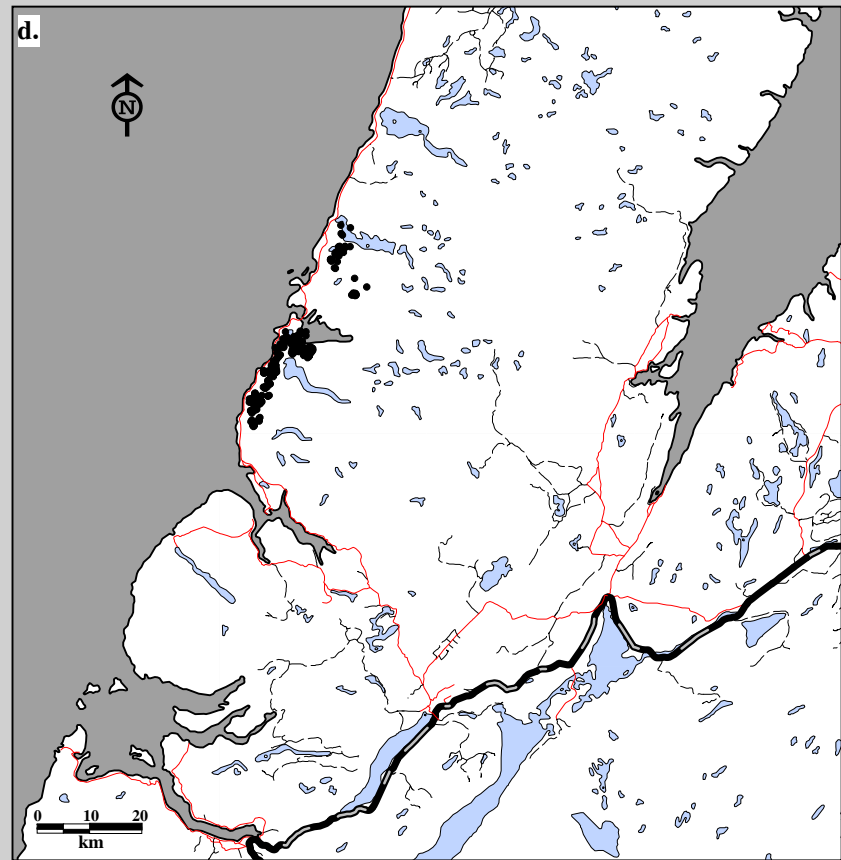
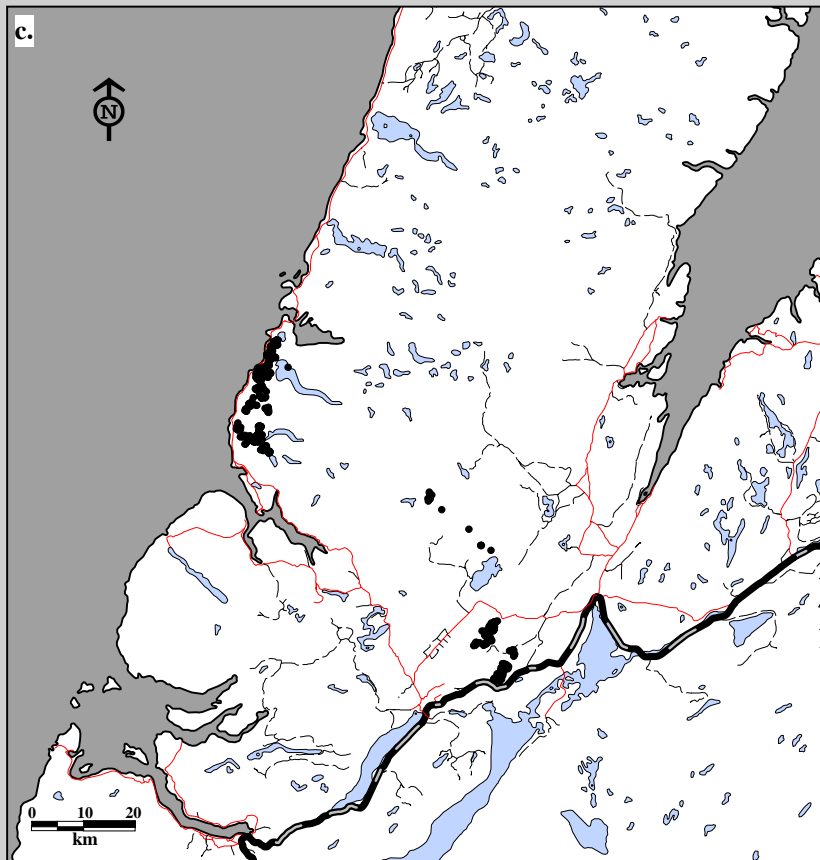


Fig. 8J-9. Gros Morne Caribou Herd Global Positioning System (GPS) locations for c. females (567 locations; 5 caribou; 69 surveys) and d. males (495 locations; 5 caribou; 69 surveys) in February, 1996-98. Only adults collared.

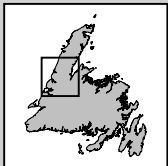
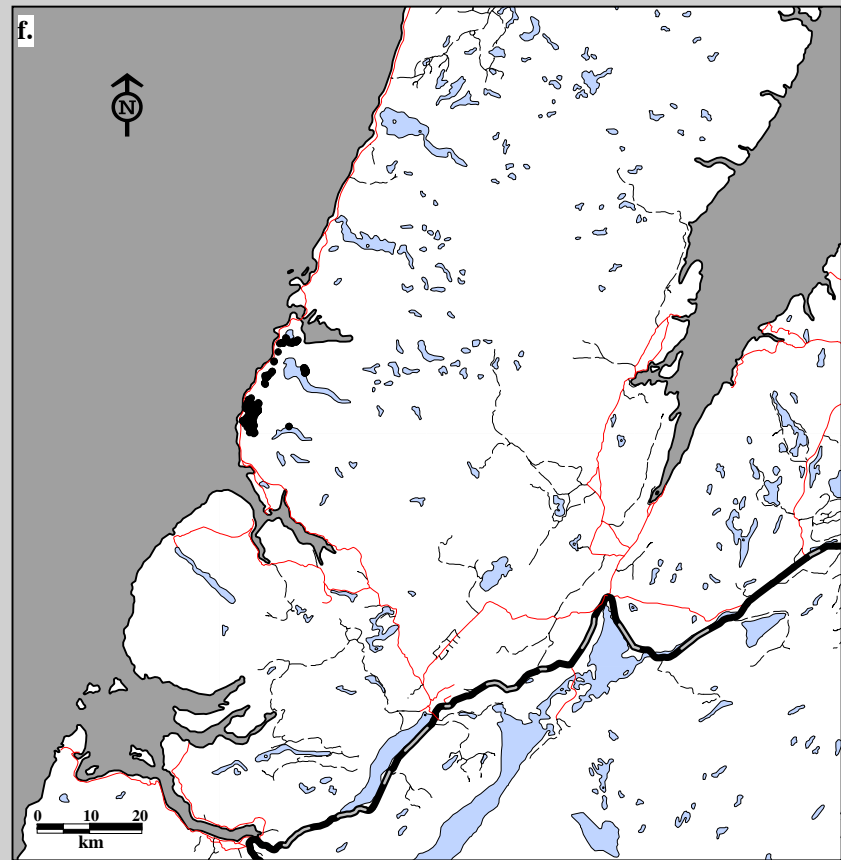
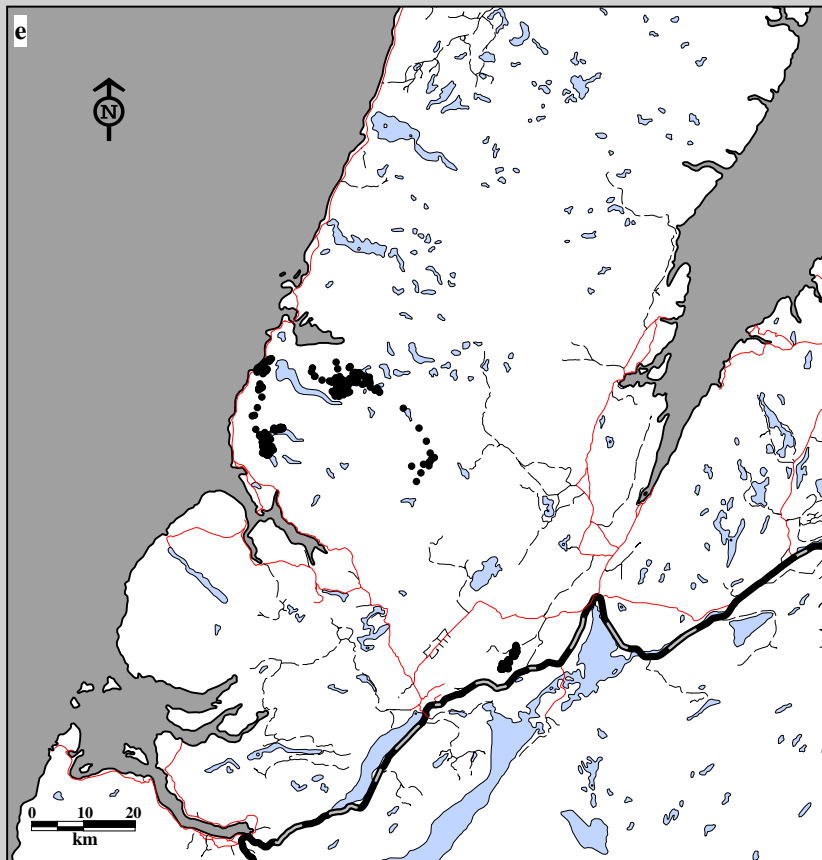


Fig. 8J-9. Gros Morne Caribou Herd Global Positioning System (GPS) locations for e. females (693 locations; 3 caribou; 61 surveys) and f. males (223 locations; 2 caribou; 61 surveys) in March, 1996-98. Only adults collared.

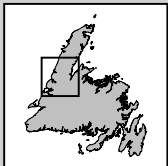
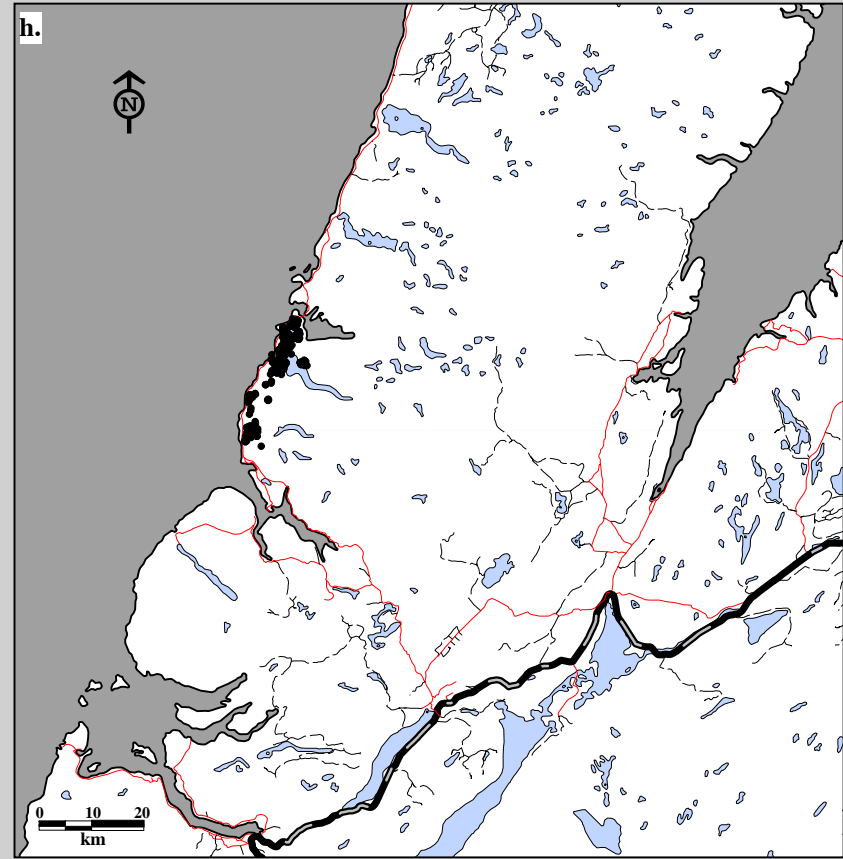
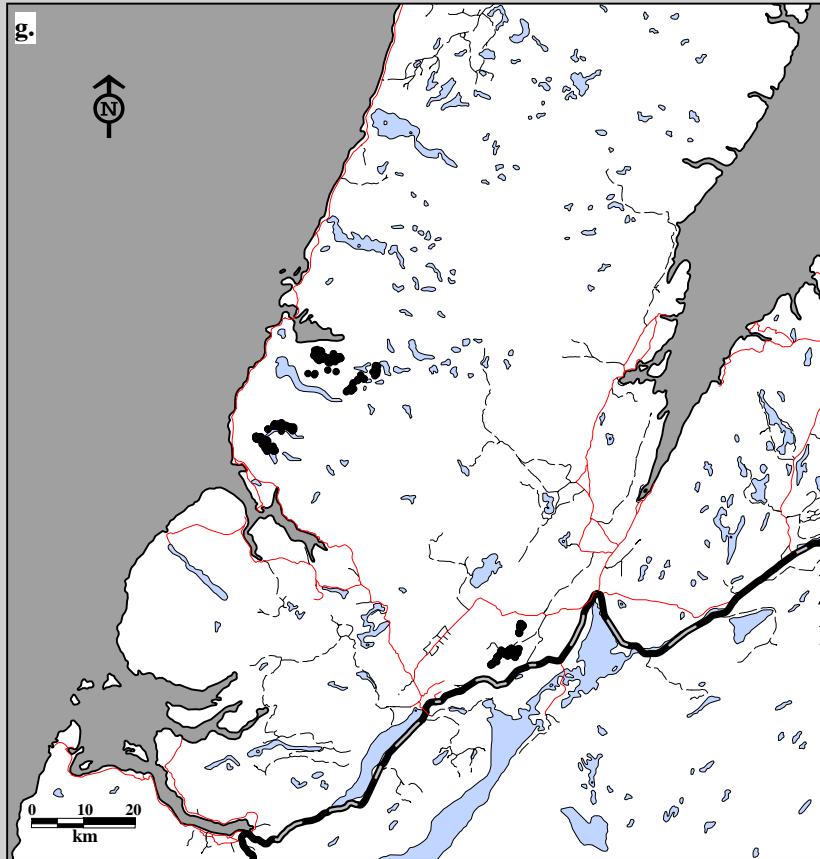


Fig. 8J-9. Gros Morne Caribou Herd Global Positioning System (GPS) locations for g. females (712 locations; 3 caribou; 60 surveys) and h. males (333 locations; 2 caribou; 60 surveys) in April, 1996-98. Only adults collared.



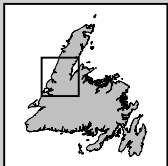
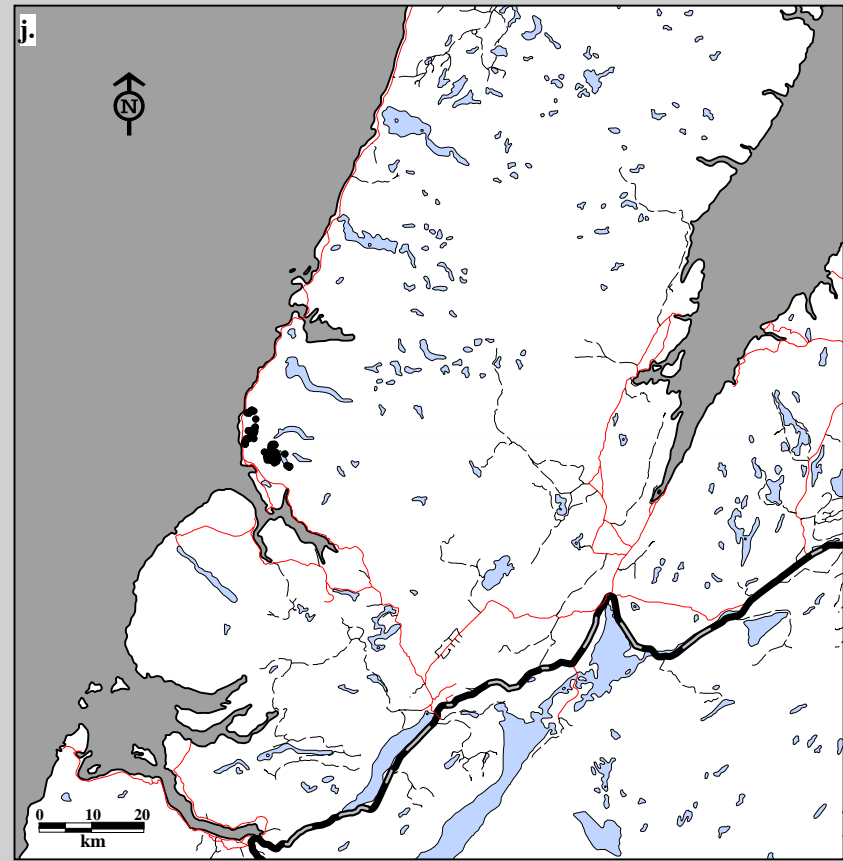
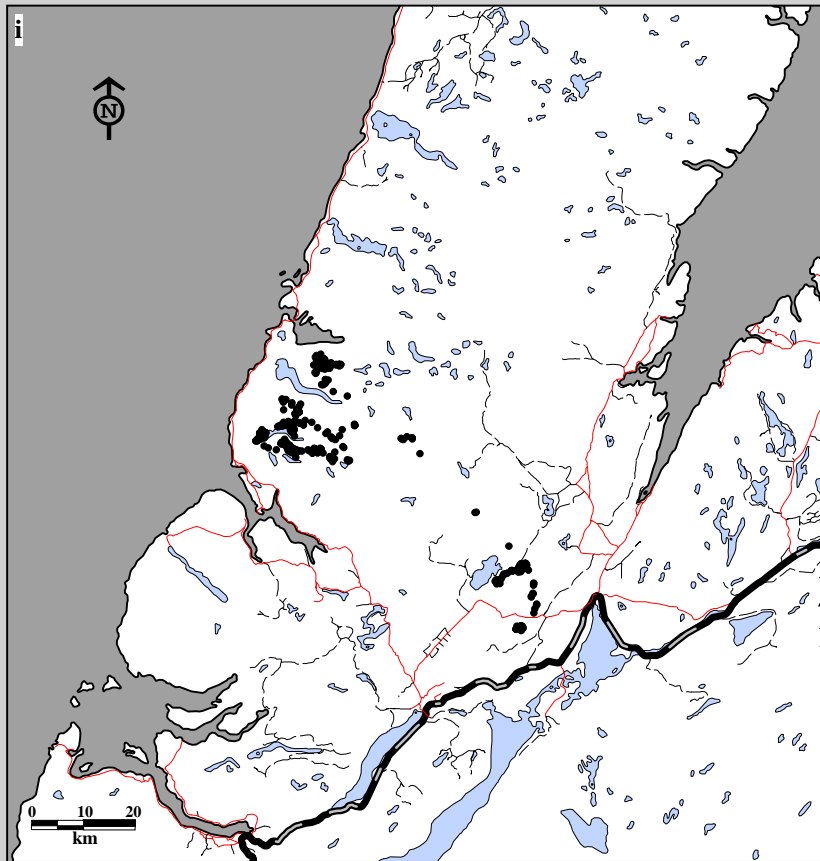
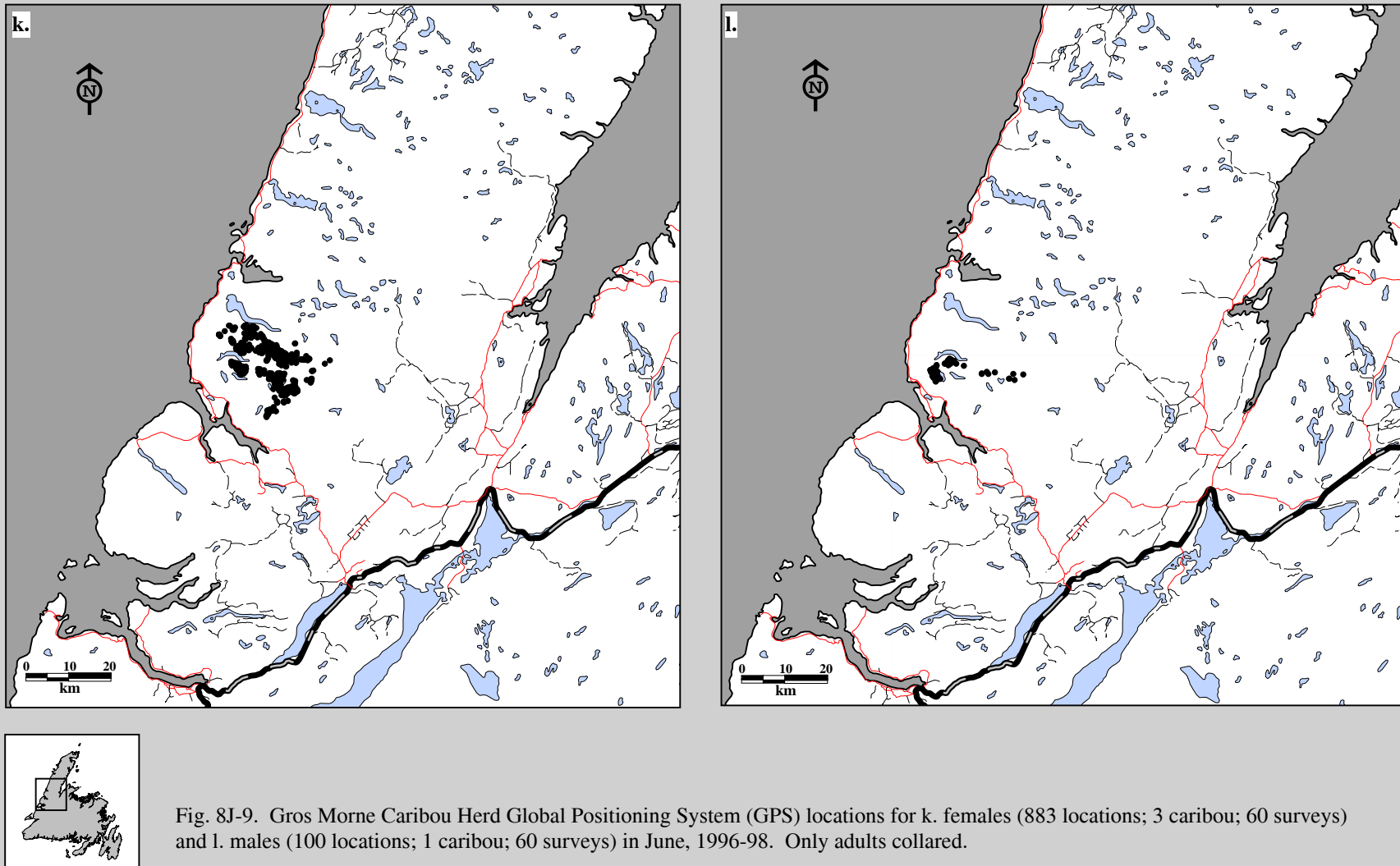


Fig. 8J-9. Gros Morne Caribou Herd Global Positioning System (GPS) locations for i. females (752 locations; 3 caribou; 62 surveys) and j. males (198 locations; 2 caribou; 62 surveys) in May, 1996-98. Only adults collared.



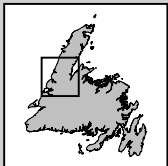
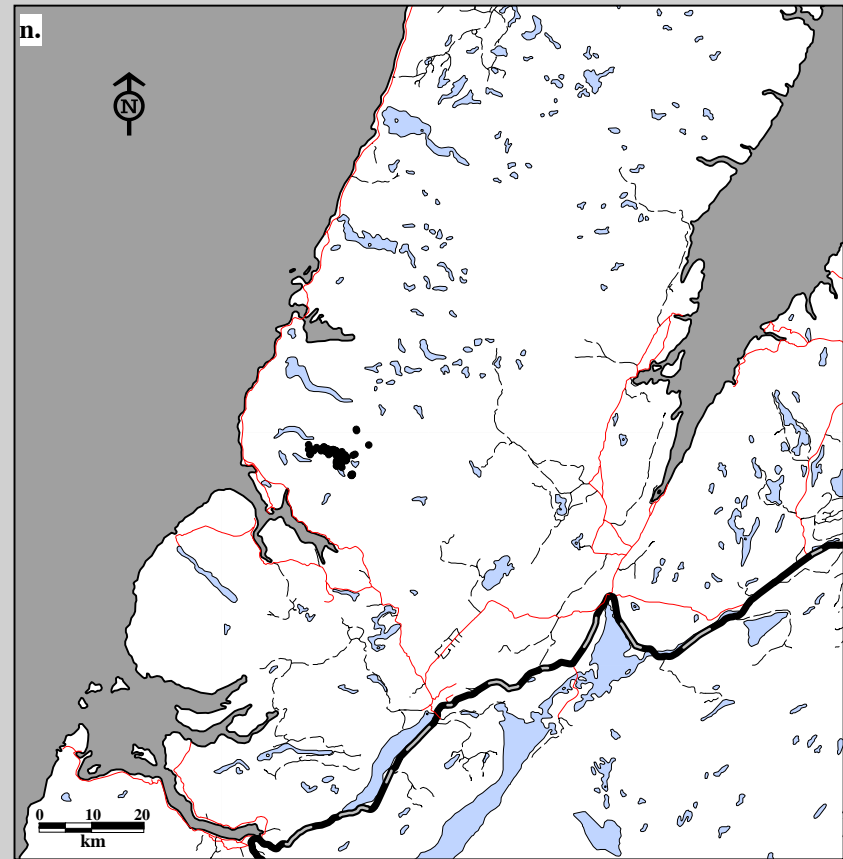
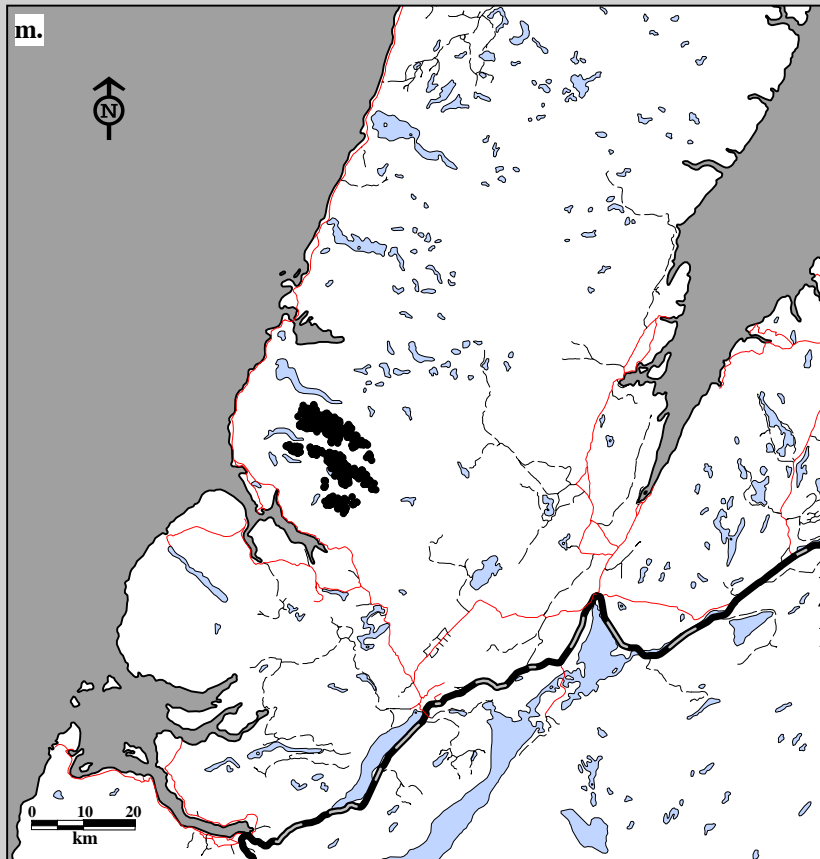


Fig. 8J-9. Gros Morne Caribou Herd Global Positioning System (GPS) locations for m. females (855 locations; 3 caribou; 59 surveys) and n. males (131 locations; 1 caribou; 59 surveys) in July, 1996-98. Only adults collared.

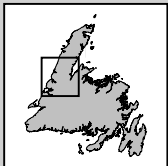
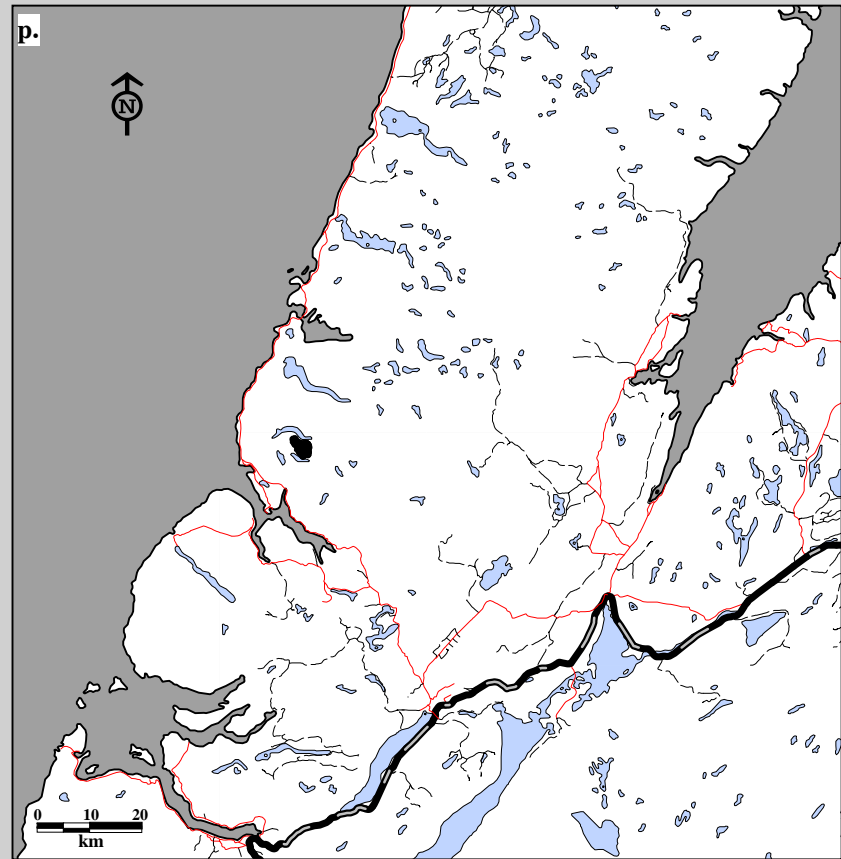
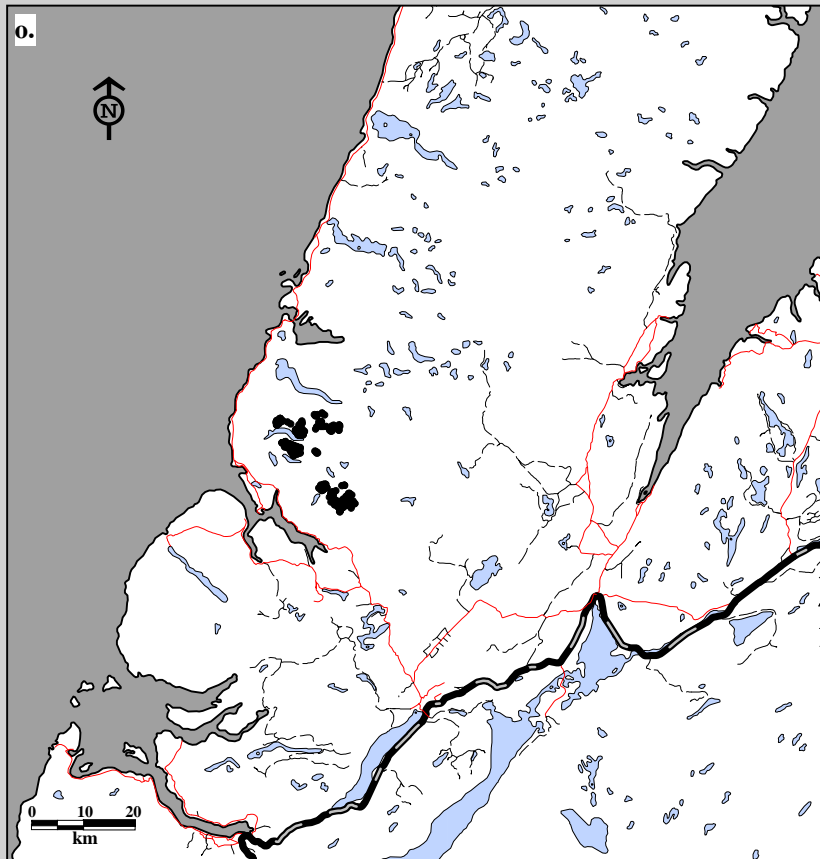


Fig. 8J-9. Gros Morne Caribou Herd Global Positioning System (GPS) locations for o. females (568 locations; 3 caribou; 31 surveys) and p. males (131 locations; 1 caribou; 31 surveys) in August, 1996-98. Only adults collared.

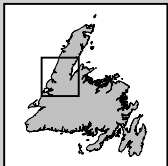
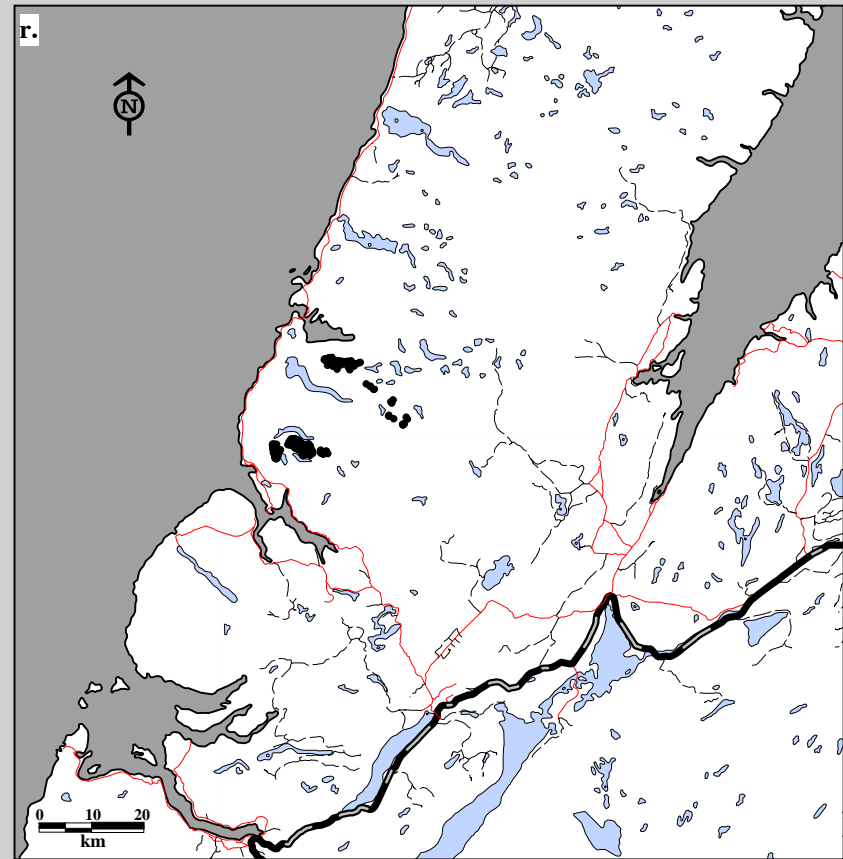
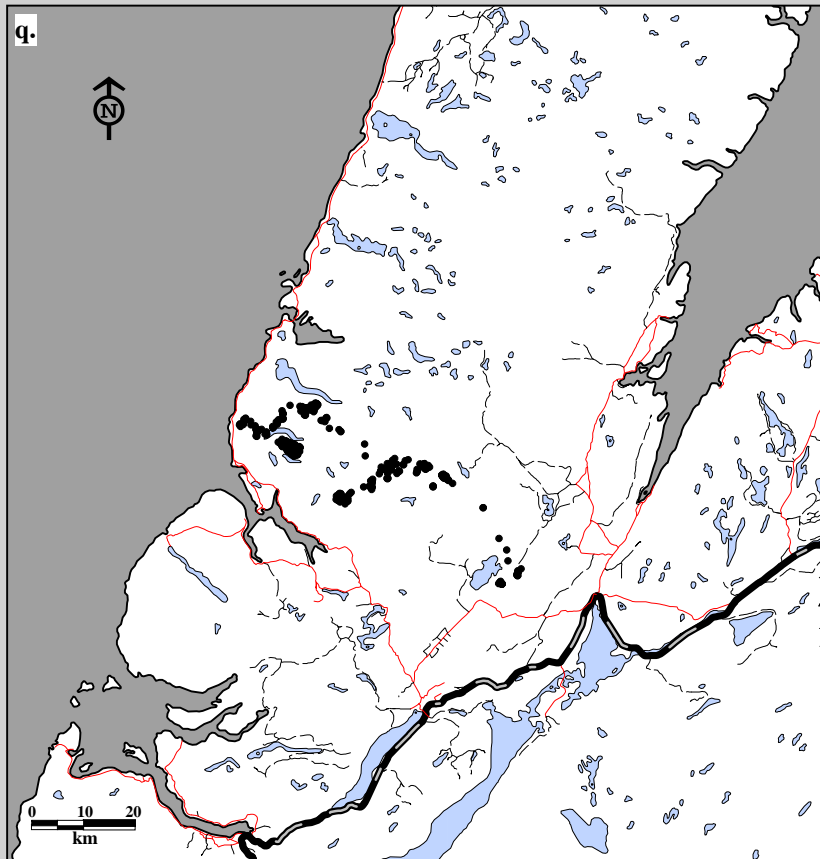


Fig. 8J-9. Gros Morne Caribou Herd Global Positioning System (GPS) locations for q. females (802 locations; 3 caribou; 55 surveys) and r. males (411 locations; 3 caribou; 55 surveys) in September, 1996-98. Only adults collared.

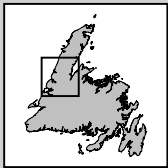
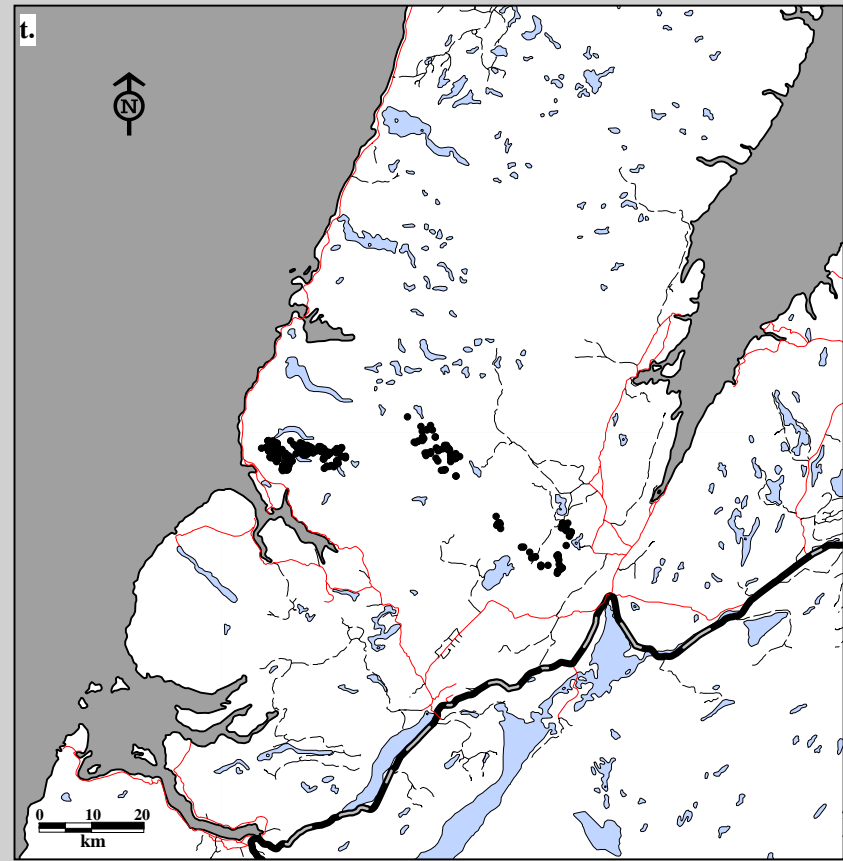
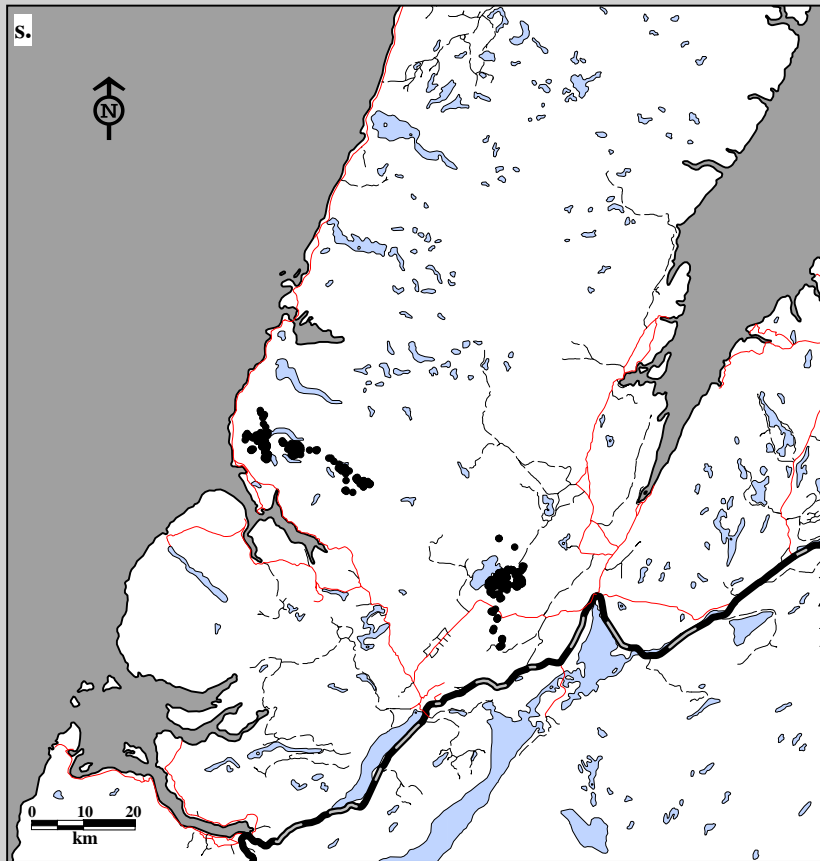
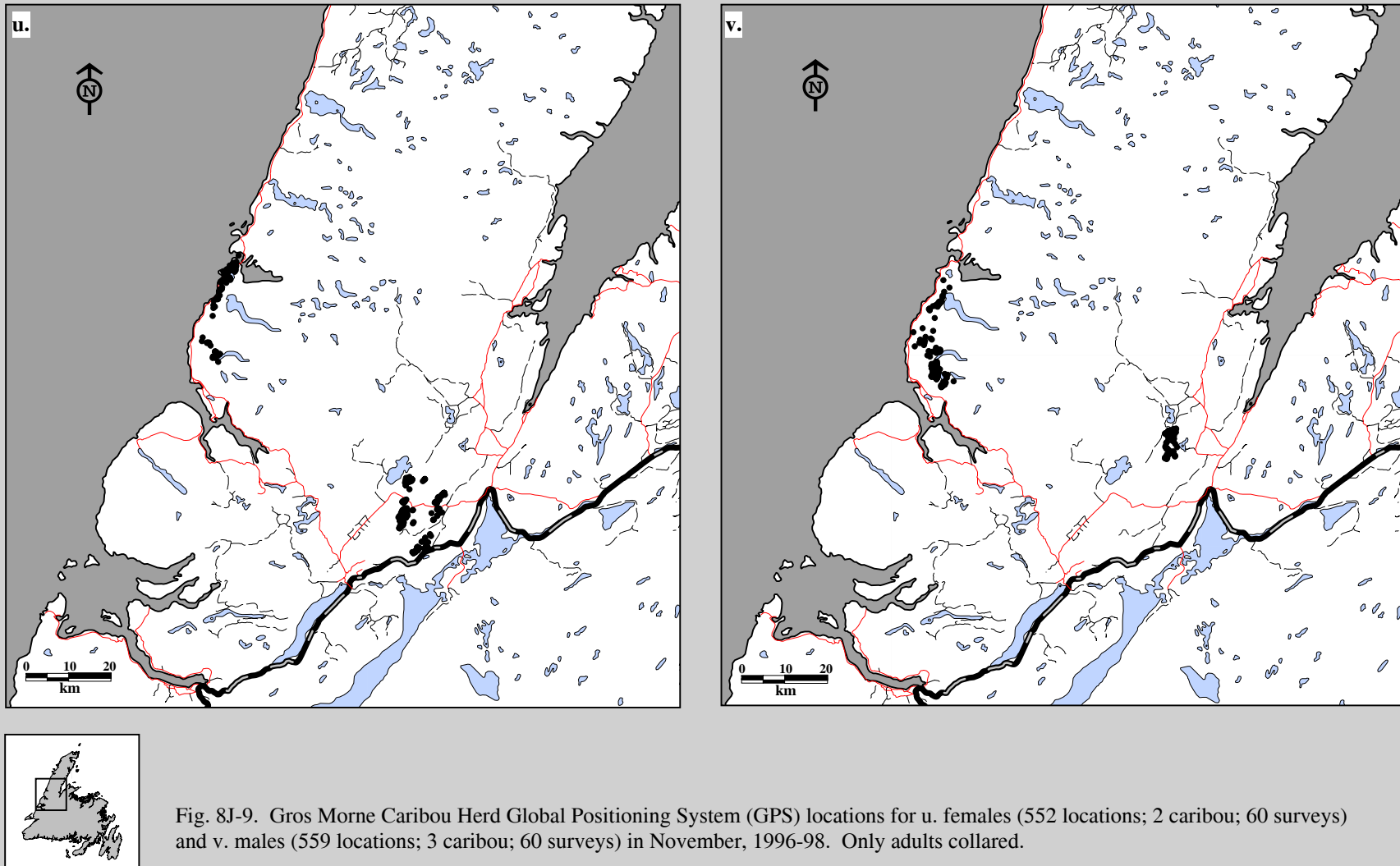
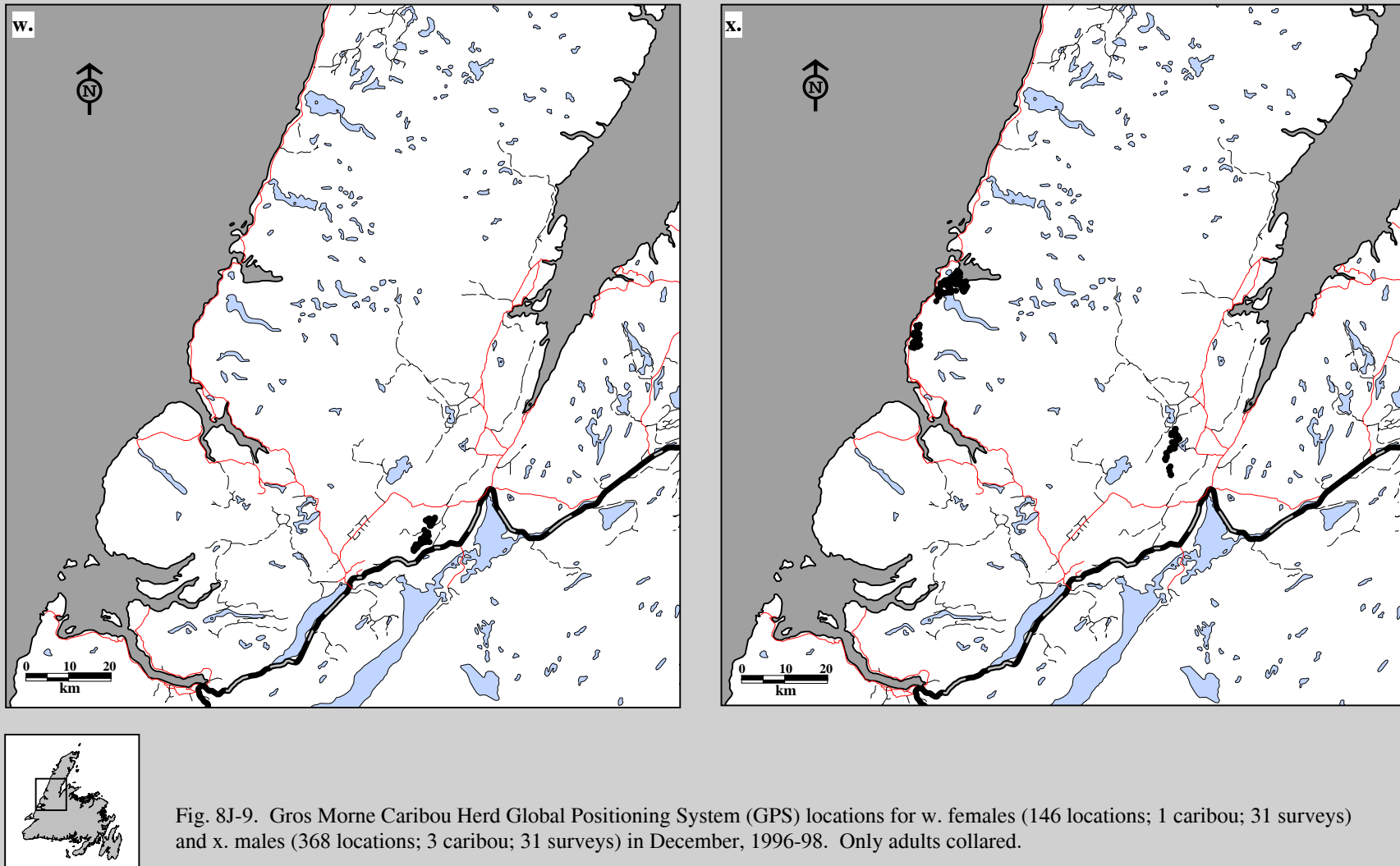


Fig. 8J-9. Gros Morne Caribou Herd Global Positioning System (GPS) locations for s. females (729 locations; 3 caribou; 62 surveys) and t. males (601 locations; 3 caribou; 62 surveys) in October, 1996-98. Only adults collared.

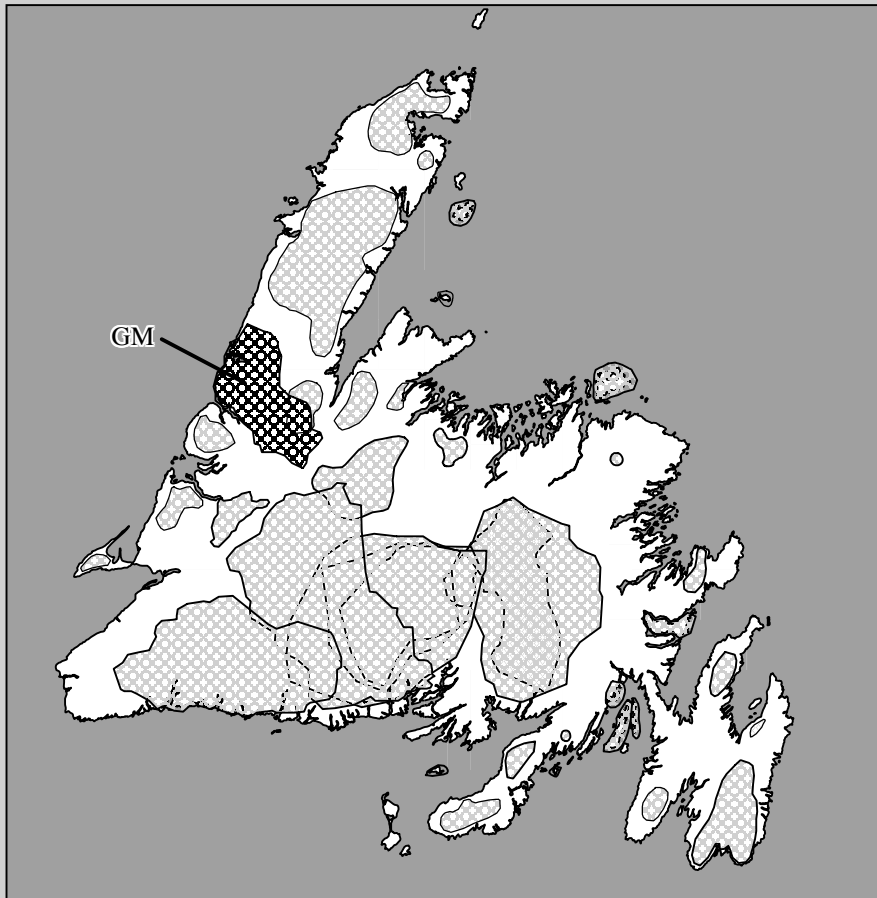
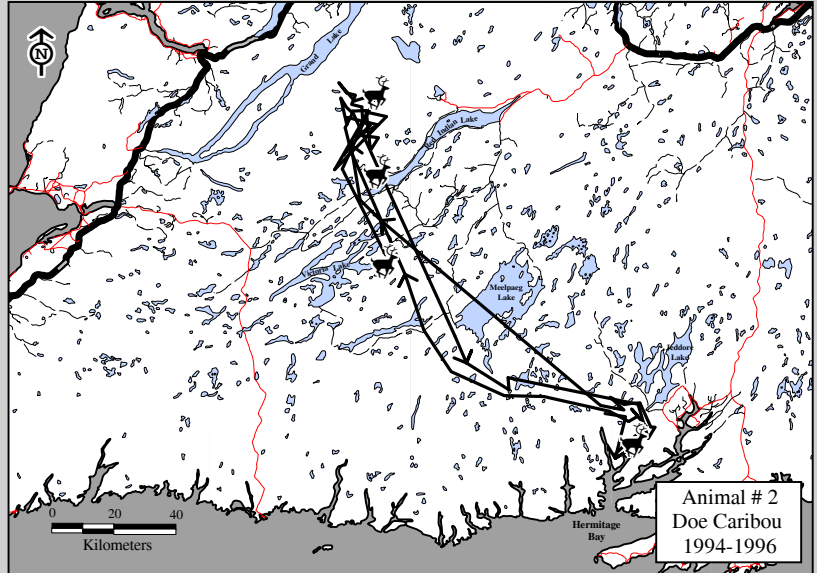






## Section 8K:

**Global Positioning System  
Home Ranges by Herd  
Composition and Time.  
Minimum Convex Polygon  
and Harmonic Mean.**



## Caribou Herd

**Gros Morne (GM)**

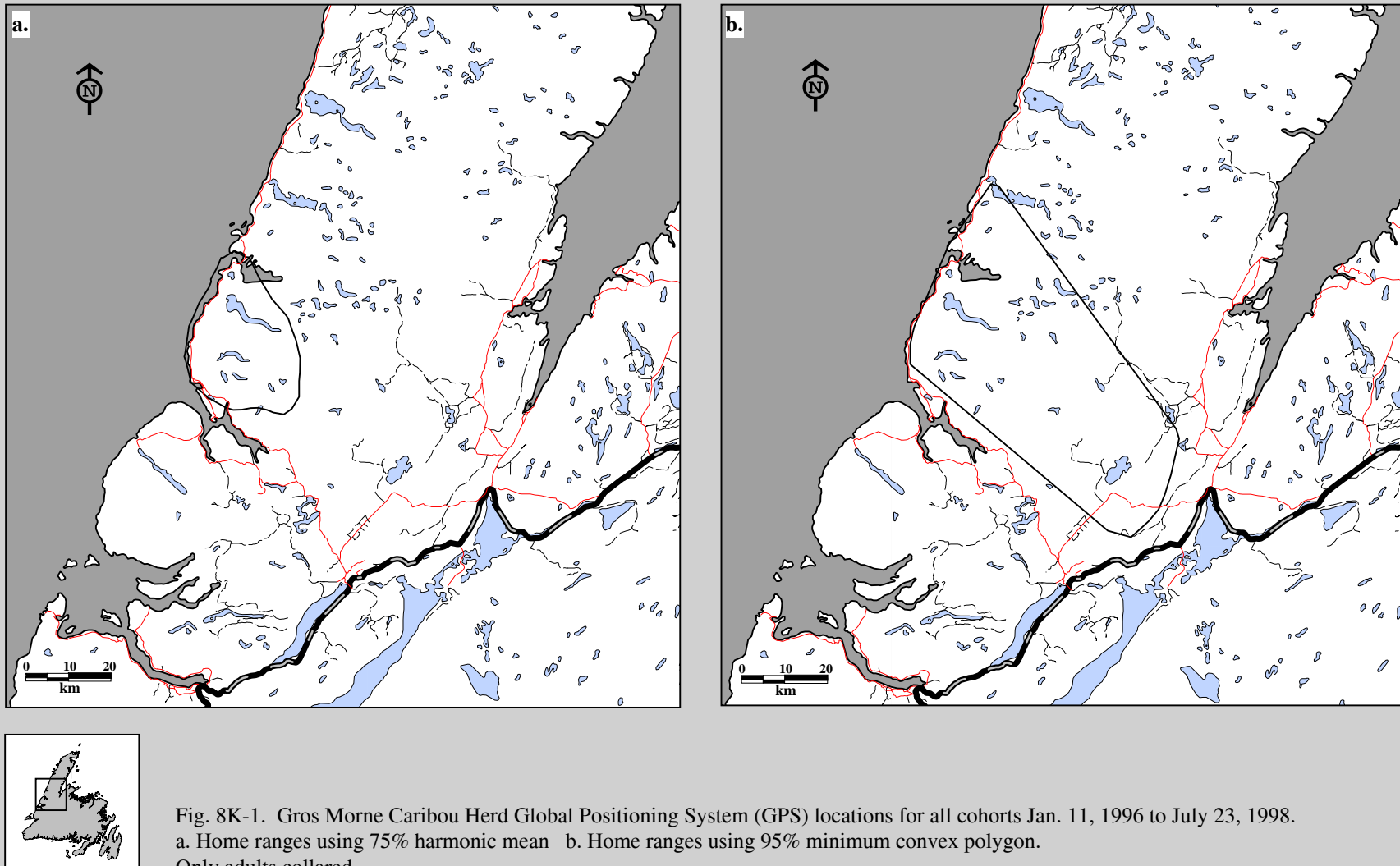
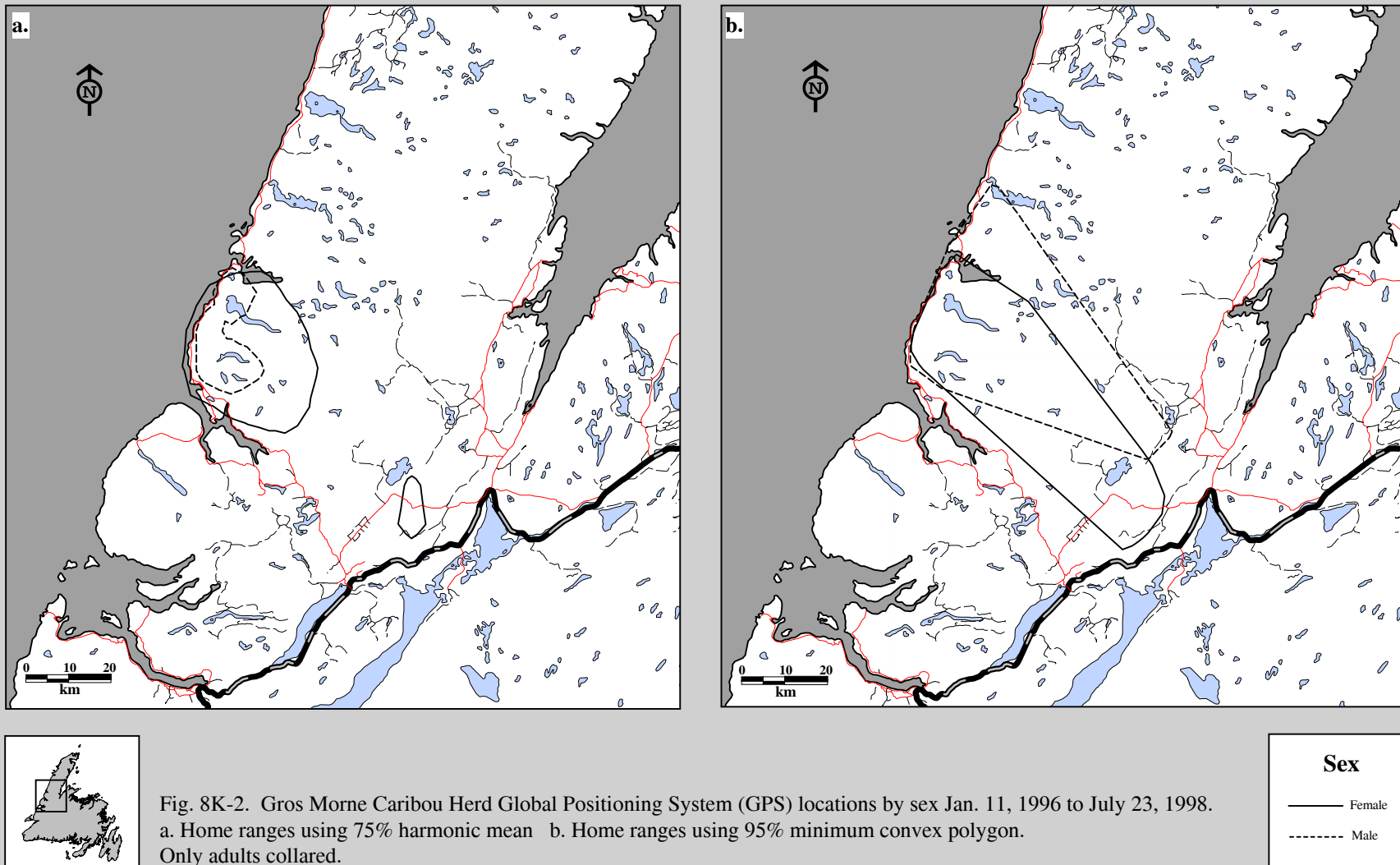


Fig. 8K-1. Gros Morne Caribou Herd Global Positioning System (GPS) locations for all cohorts Jan. 11, 1996 to July 23, 1998.



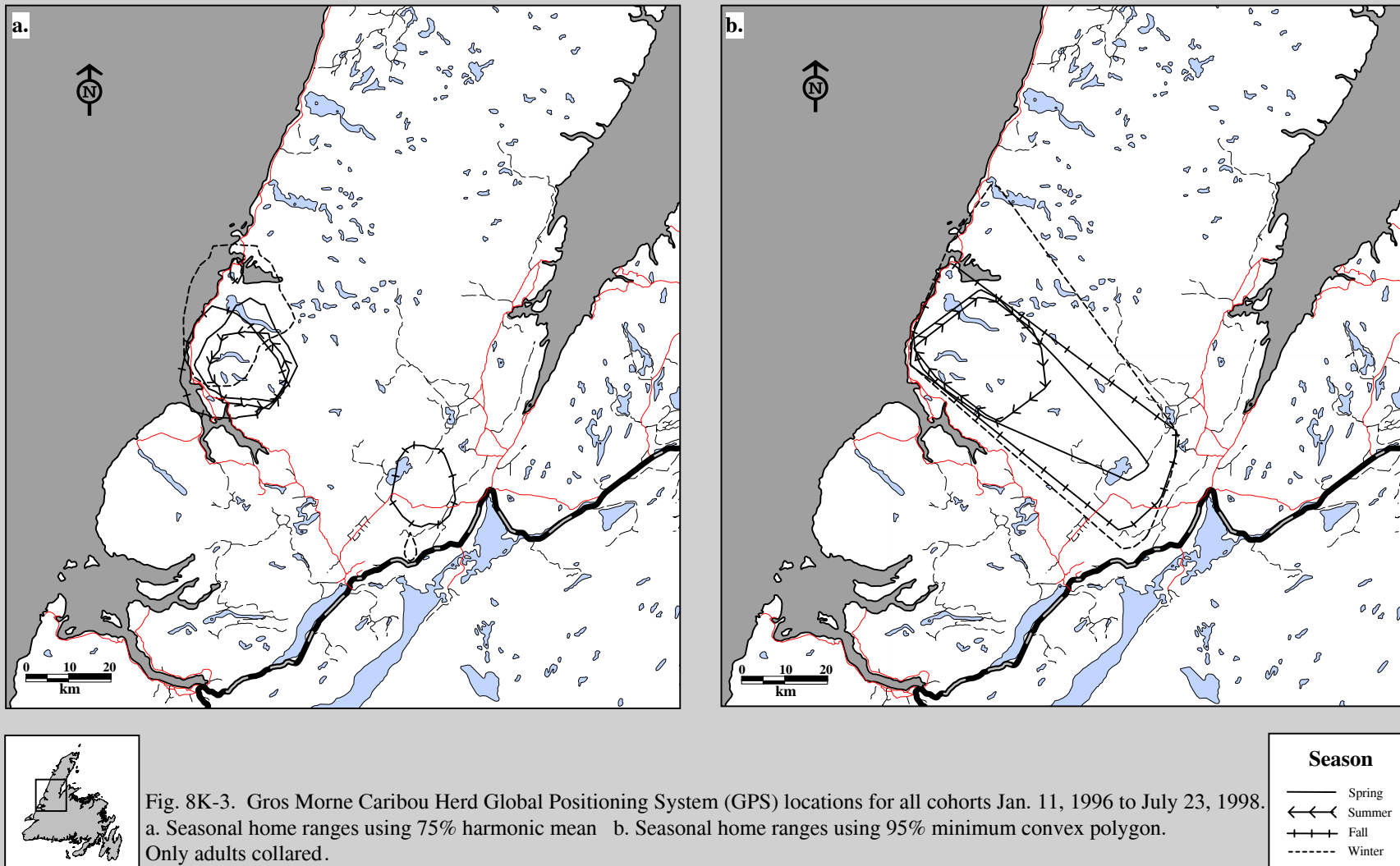
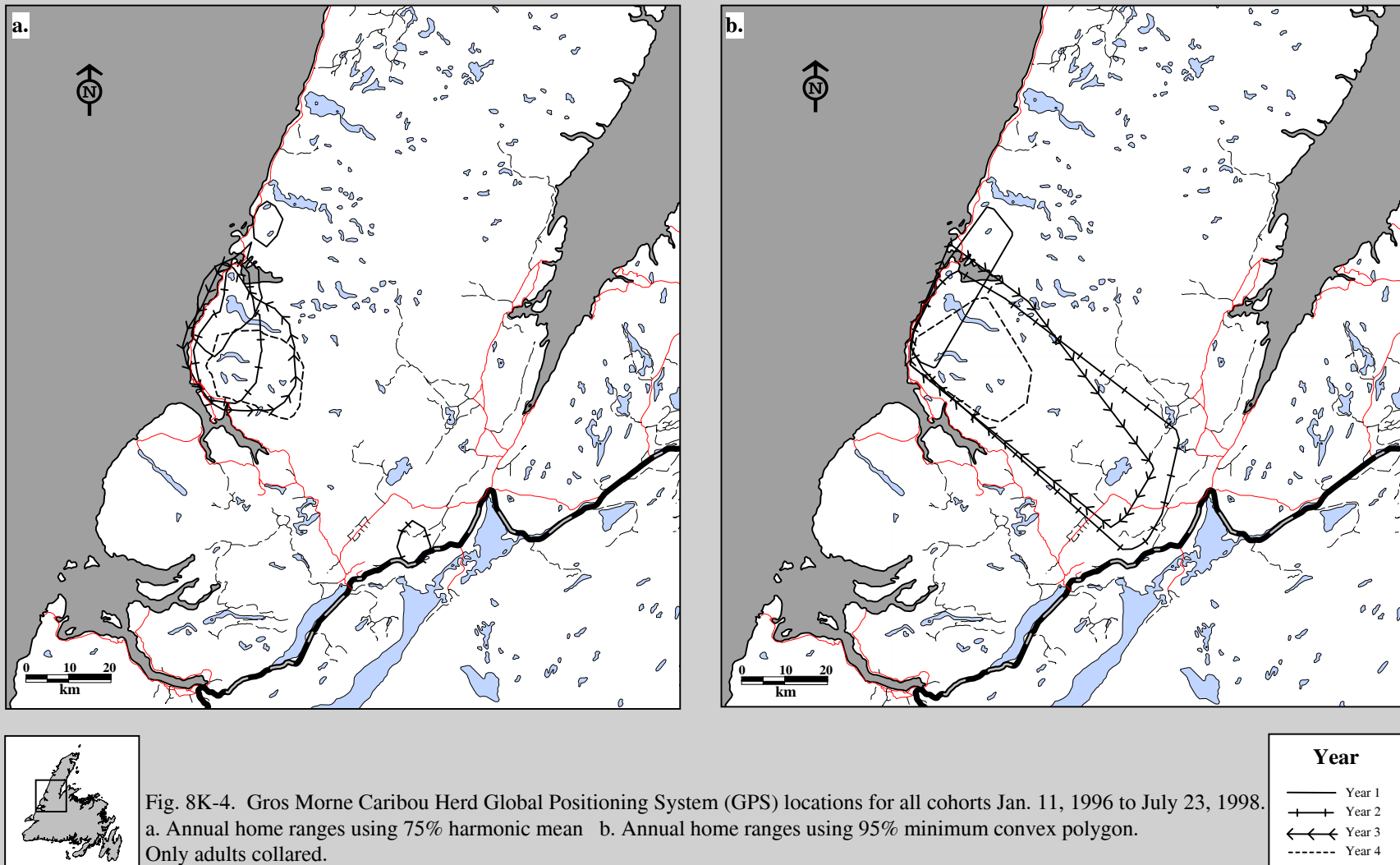


Fig. 8K-3. Gros Morne Caribou Herd Global Positioning System (GPS) locations for all cohorts Jan. 11, 1996 to July 23, 1998. a. Seasonal home ranges using 75% harmonic mean b. Seasonal home ranges using 95% minimum convex polygon. Only adults collared.



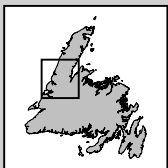
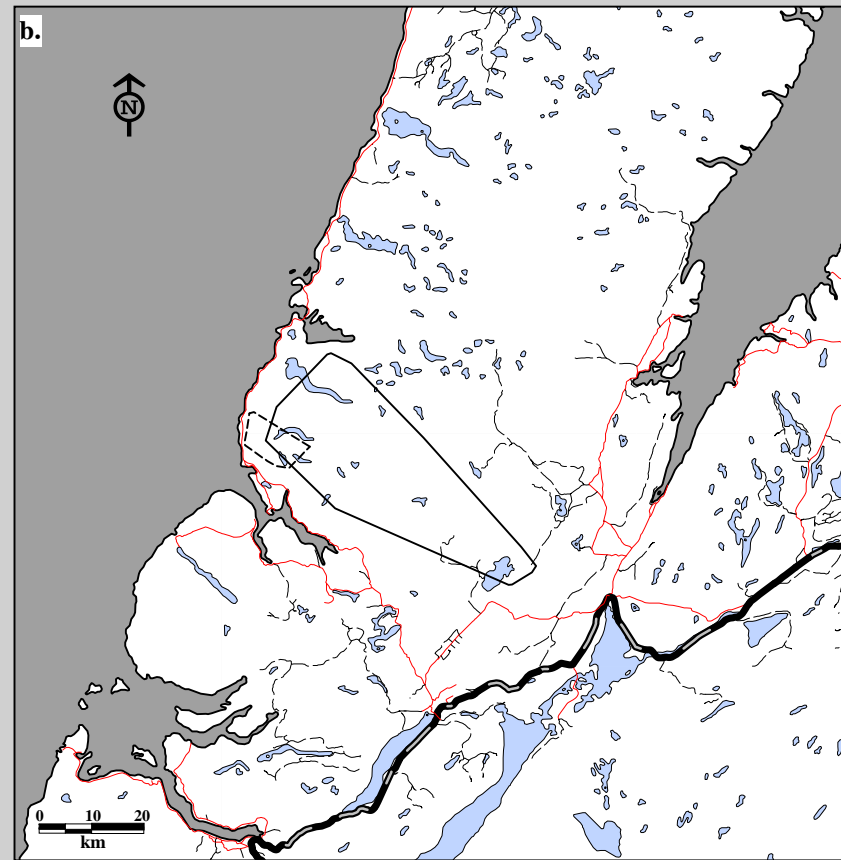
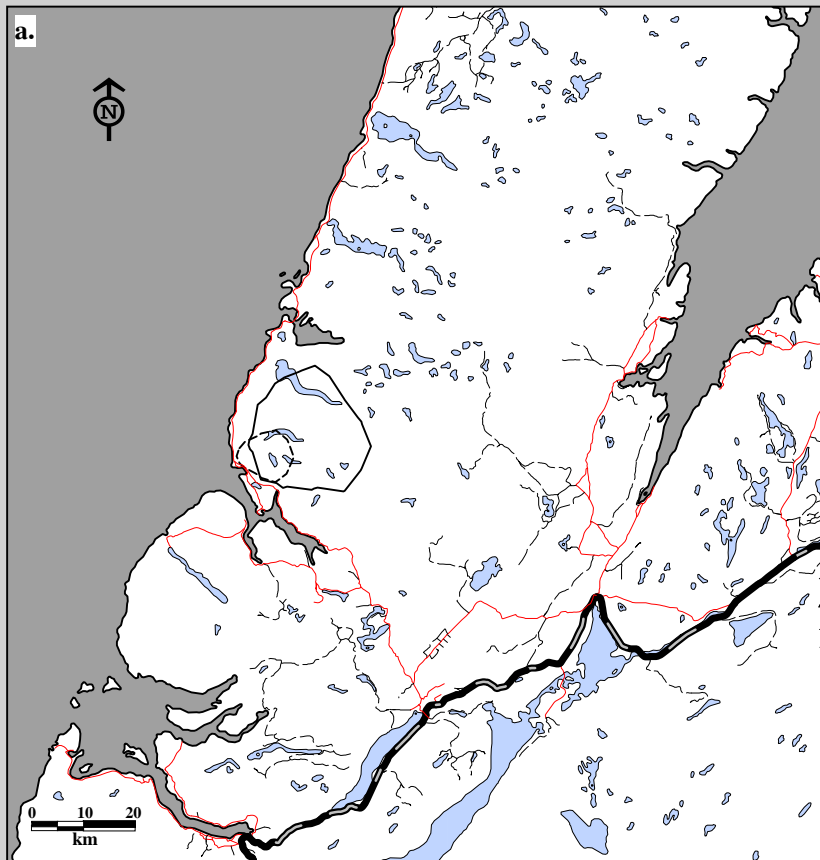


Fig. 8K-5. Gros Morne Caribou Herd Global Positioning System (GPS) locations by sex Jan. 11, 1996 to July 23, 1998.  
 a. Spring home ranges using 75% harmonic mean b. Spring home ranges using 95% minimum convex polygon.  
 Only adults collared.

**Sex**

— Female

- - - - - Male

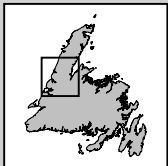
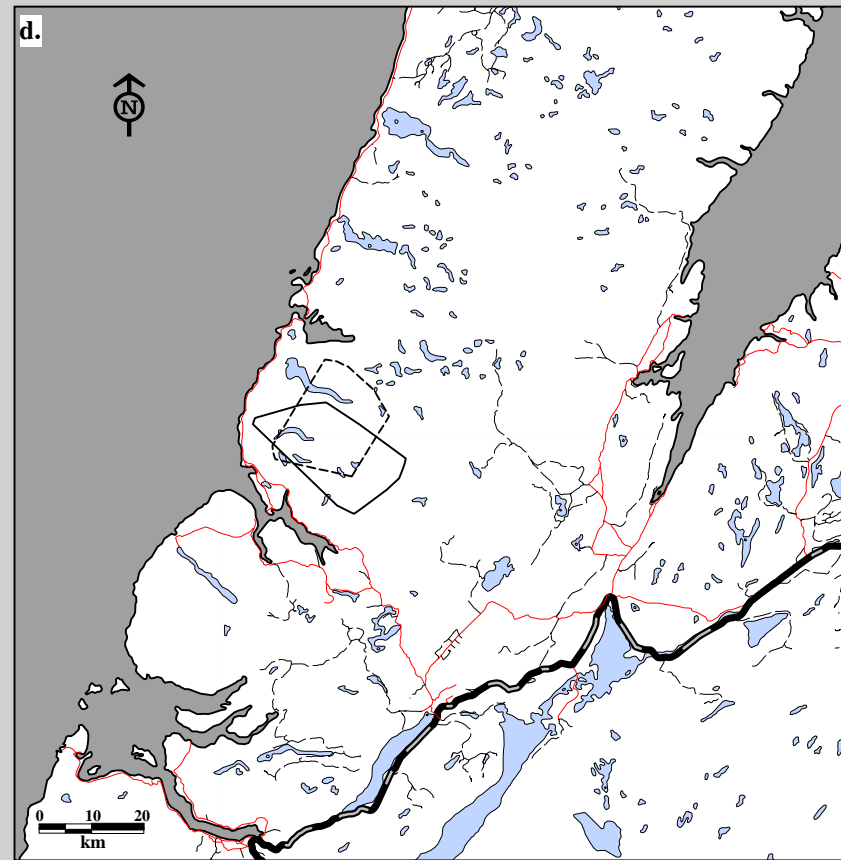
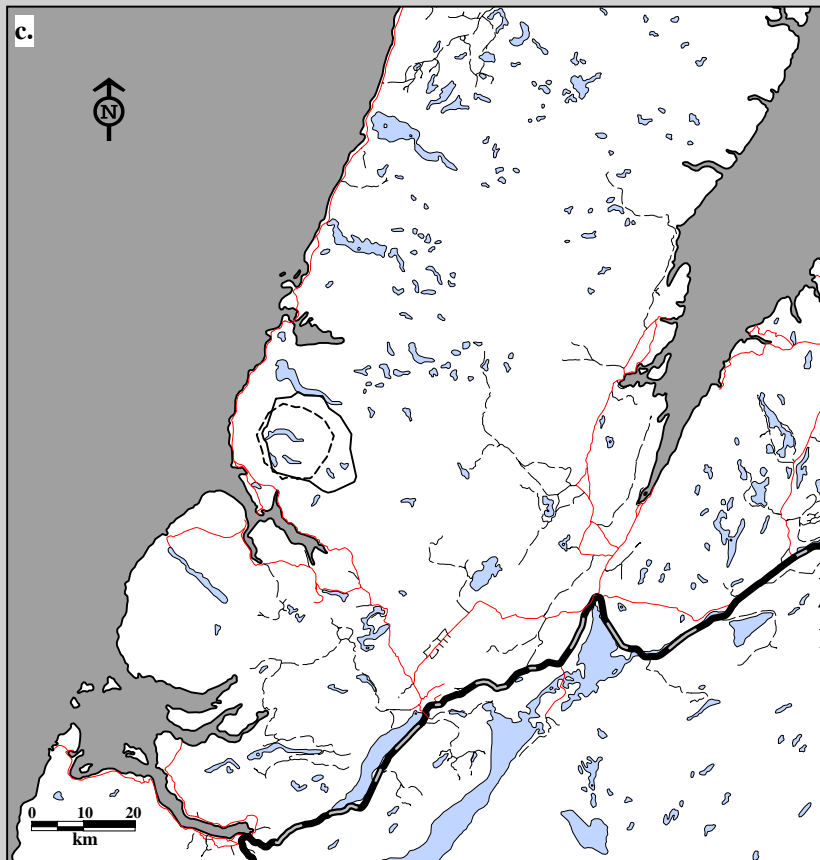


Fig. 8K-5. Gros Morne Caribou Herd Global Positioning System (GPS) locations by sex Jan. 11, 1996 to July 23, 1998.  
 c. Summer home ranges using 75% harmonic mean d. Summer home ranges using 95% minimum convex polygon.  
 Only adults collared.

**Sex**

— Female

- - - Male



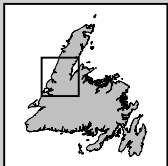
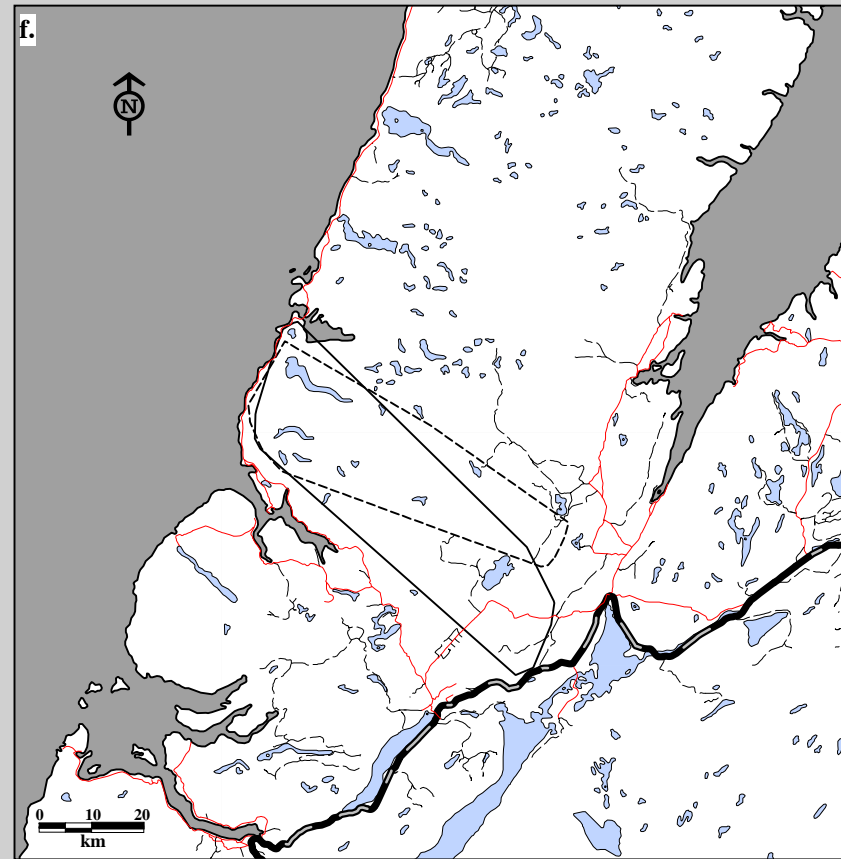
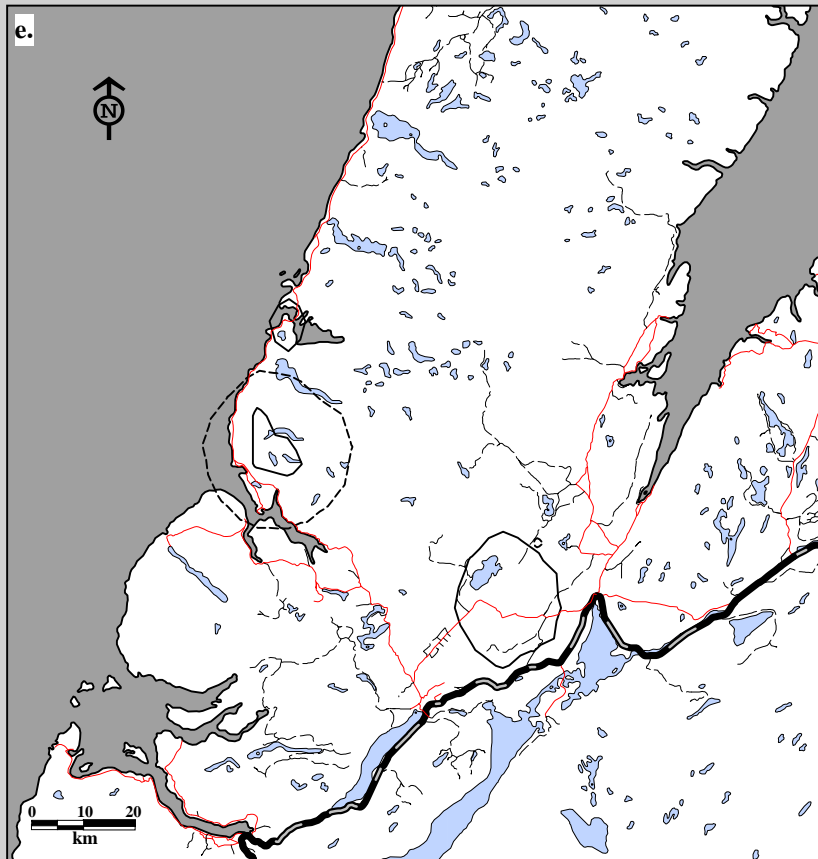


Fig. 8K-5. Gros Morne Caribou Herd Global Positioning System (GPS) locations by sex Jan. 11, 1996 to July 23, 1998.  
 e. Fall home ranges using 75% harmonic mean f. Fall home ranges using 95% minimum convex polygon.  
 Only adults collared.

**Sex**

— Female  
 - - - - Male



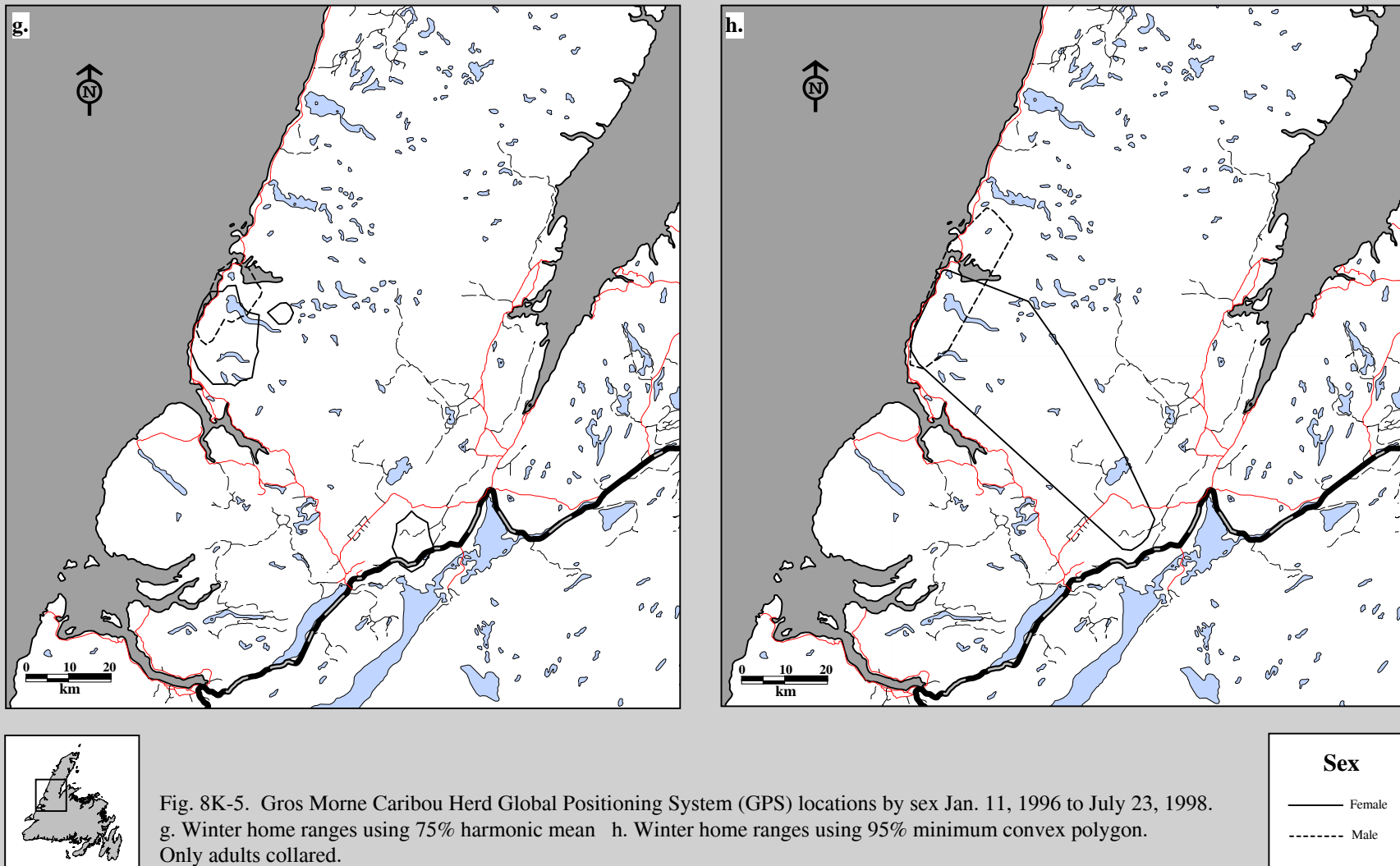


Fig. 8K-5. Gros Morne Caribou Herd Global Positioning System (GPS) locations by sex Jan. 11, 1996 to July 23, 1998. g. Winter home ranges using 75% harmonic mean h. Winter home ranges using 95% minimum convex polygon. Only adults collared.

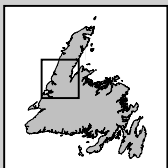
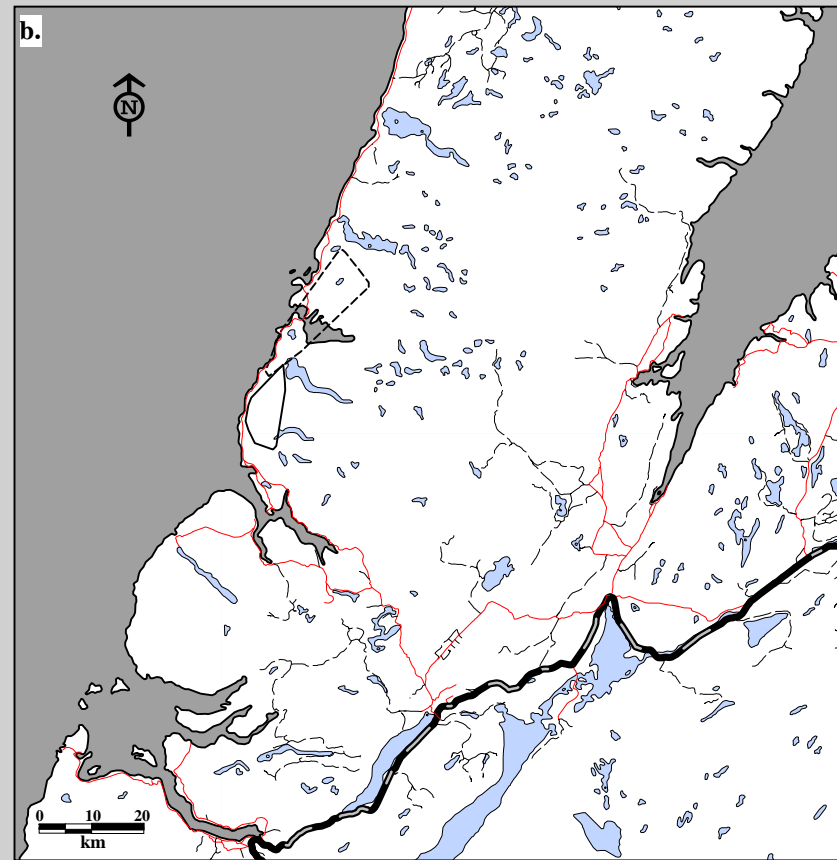
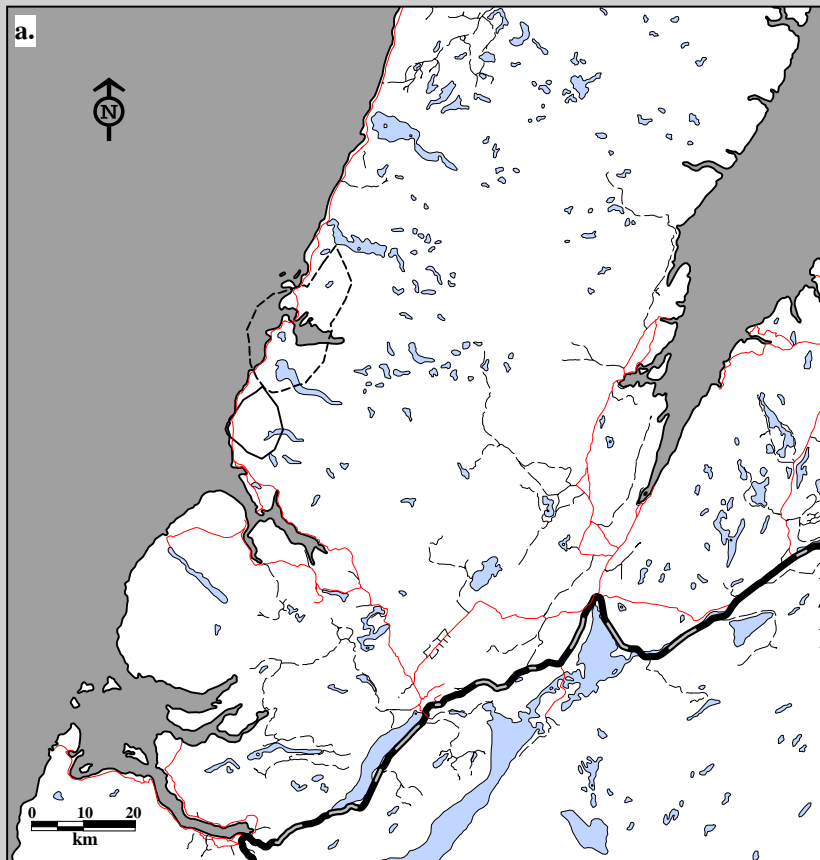


Fig. 8K-6. Gros Morne Caribou Herd Global Positioning System (GPS) locations by sex Jan. 11, 1996 to April 30, 1996.  
 a. Annual home ranges using 75% harmonic mean b. Annual home ranges using 95% minimum convex polygon.  
 Only adults collared.

**Sex**

— Female

- - - - - Male

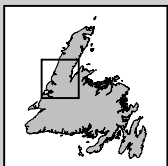
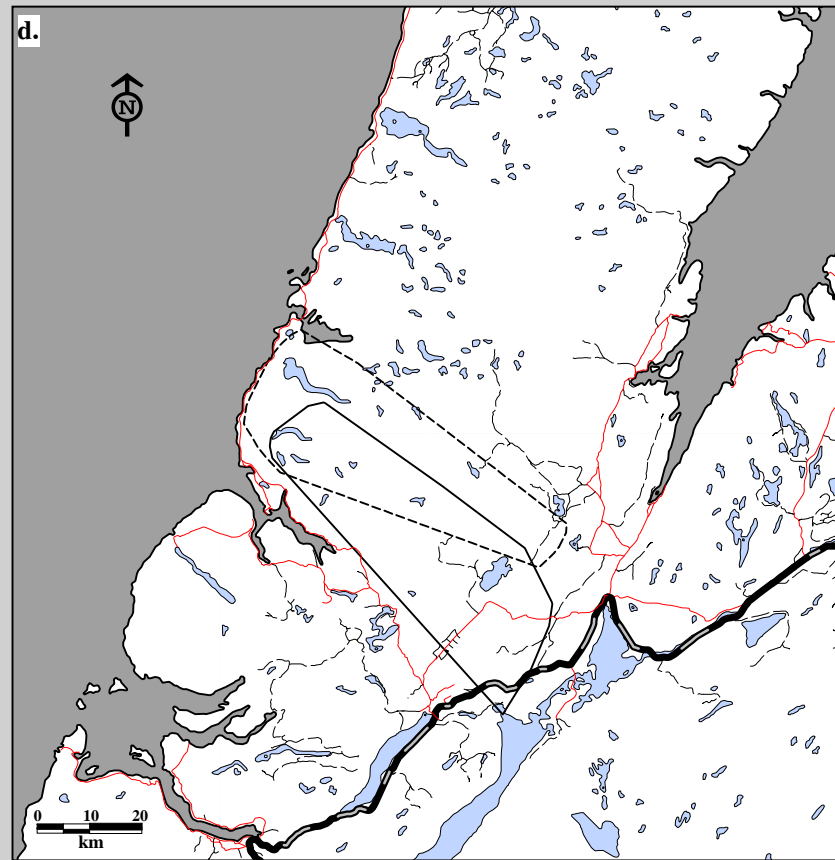
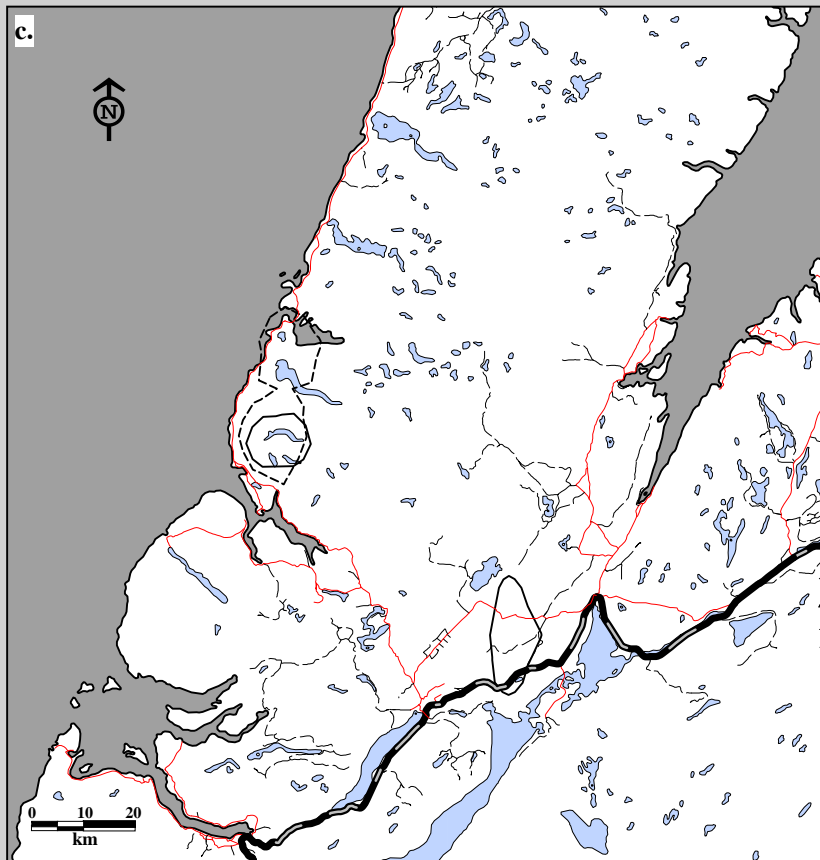


Fig. 8K-6. Gros Morne Caribou Herd Global Positioning System (GPS) locations by sex May 1, 1996 to April 30, 1997.  
 c. Annual home ranges using 75% harmonic mean d. Annual home ranges using 95% minimum convex polygon.  
 Only adults collared.

**Sex**

— Female

- - - Male

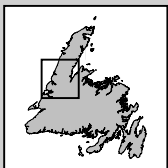
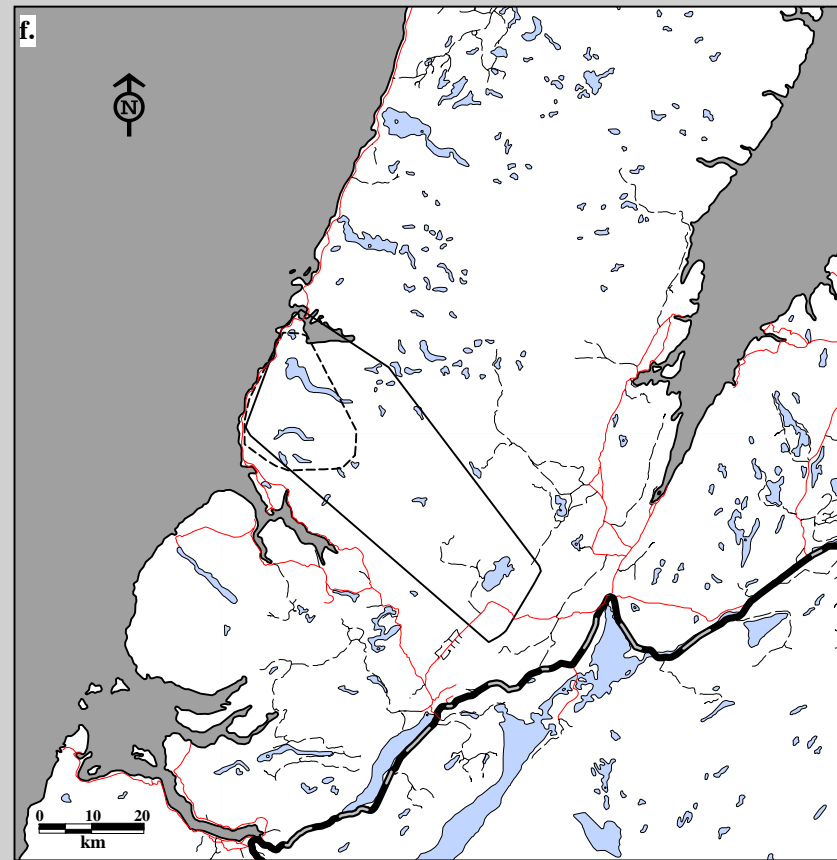
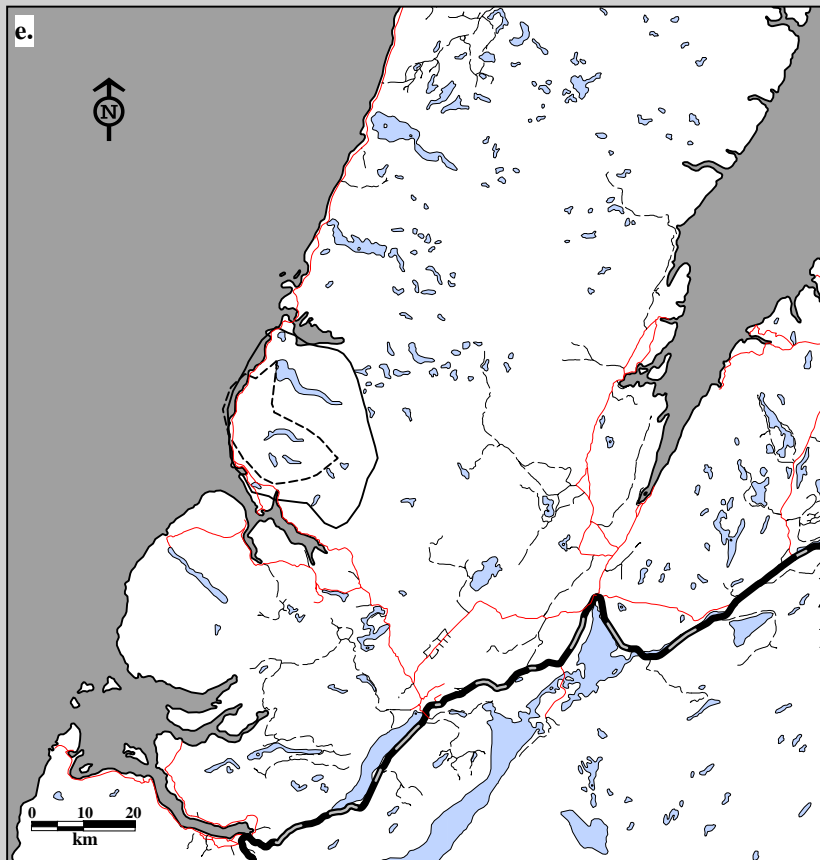


Fig. 8K-6. Gros Morne Caribou Herd Global Positioning System (GPS) locations by sex May 1, 1997 to April 30, 1998.  
 e. Annual home ranges using 75% harmonic mean f. Annual home ranges using 95% minimum convex polygon.  
 Only adults collared.

**Sex**

— Female

- - - - - Male

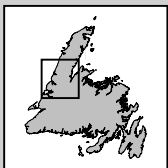
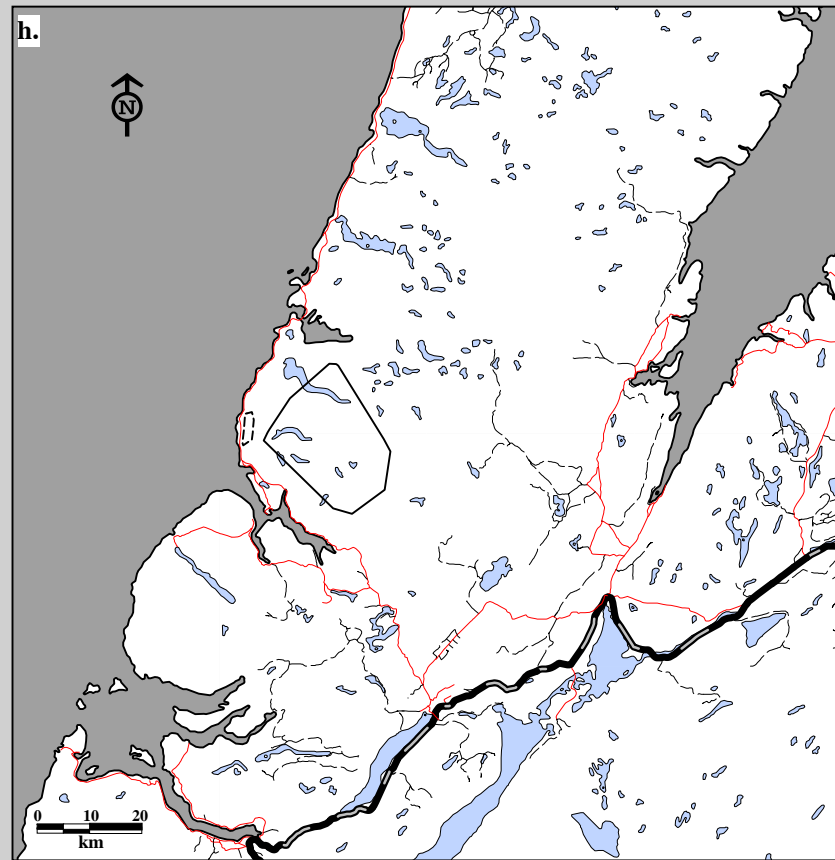
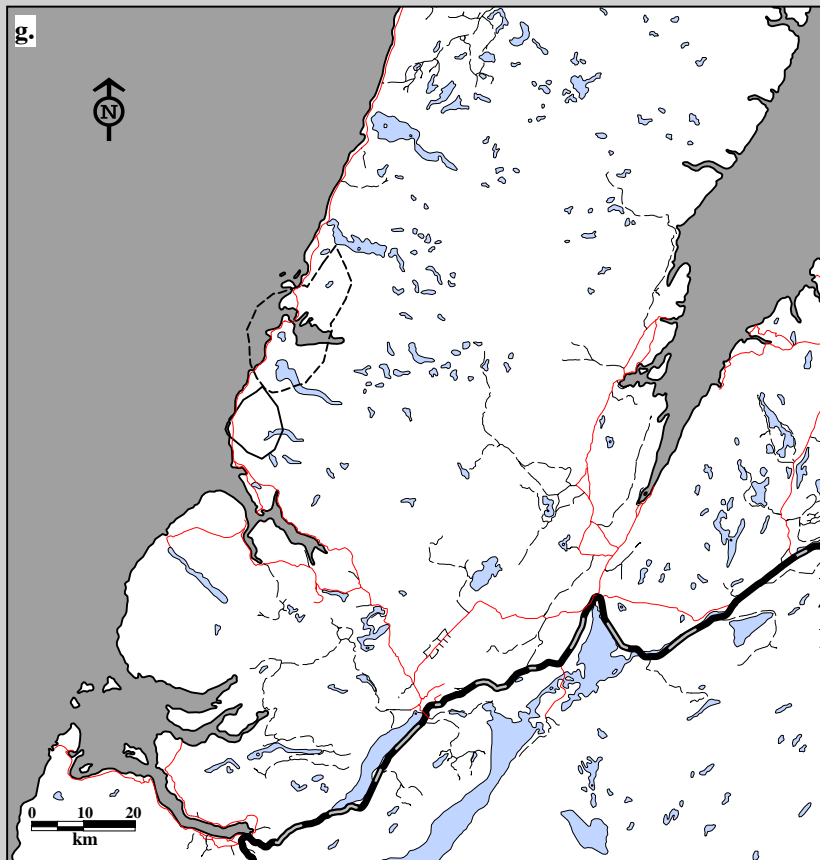


Fig. 8K-6. Gros Morne Caribou Herd Global Positioning System (GPS) locations by sex May 1, 1998 to July 23, 1998. g. Annual home ranges using 75% harmonic mean h. Annual home ranges using 95% minimum convex polygon. Only adults collared.

### Sex

— Female

- - - Male

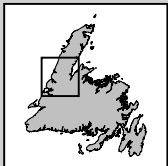
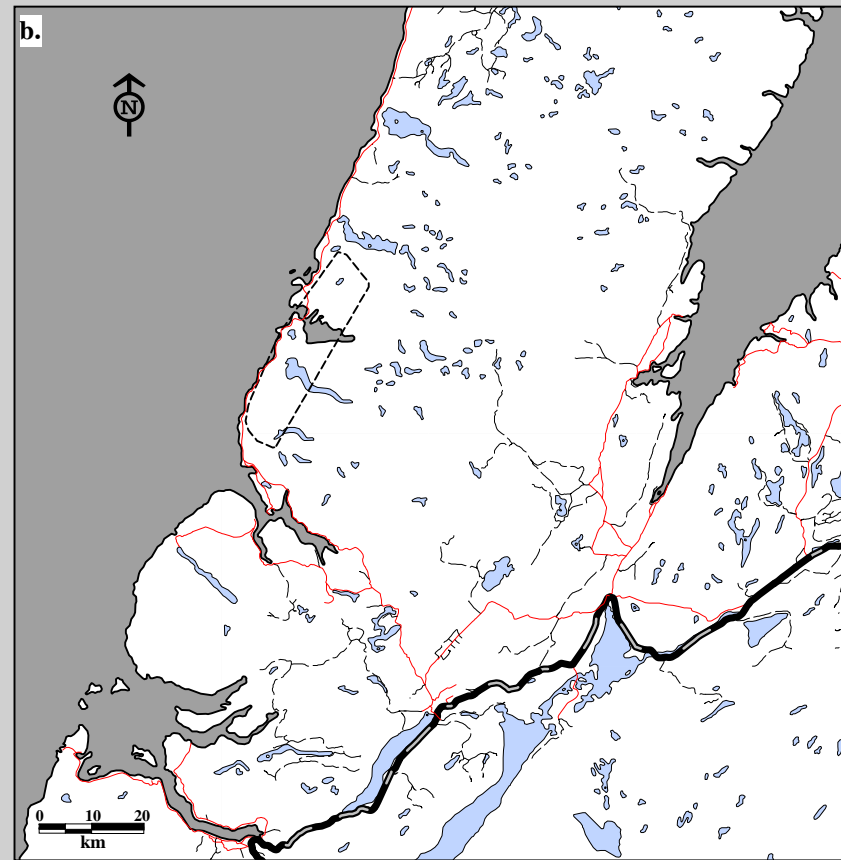
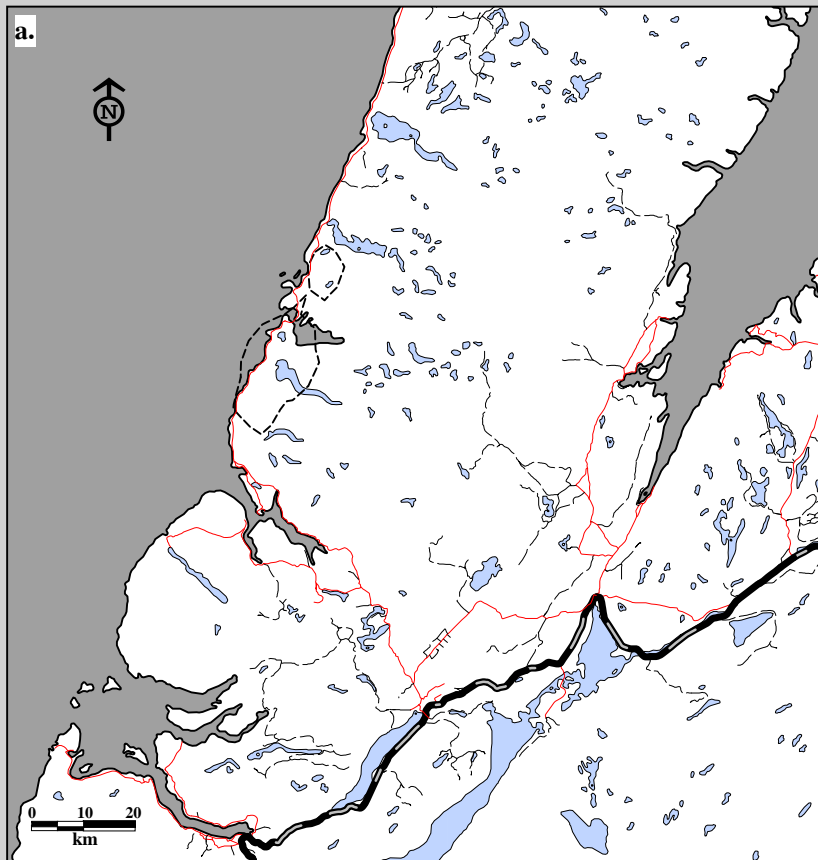


Fig. 8K-7. Gros Morne Caribou Herd Global Positioning System (GPS) locations for all cohorts Jan. 11, 1996 to April 30, 1996. a. Seasonal home ranges using 75% harmonic mean b. Seasonal home ranges using 95% minimum convex polygon. Only adults collared.

**Season**

----- Winter

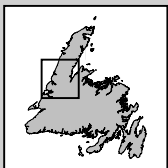
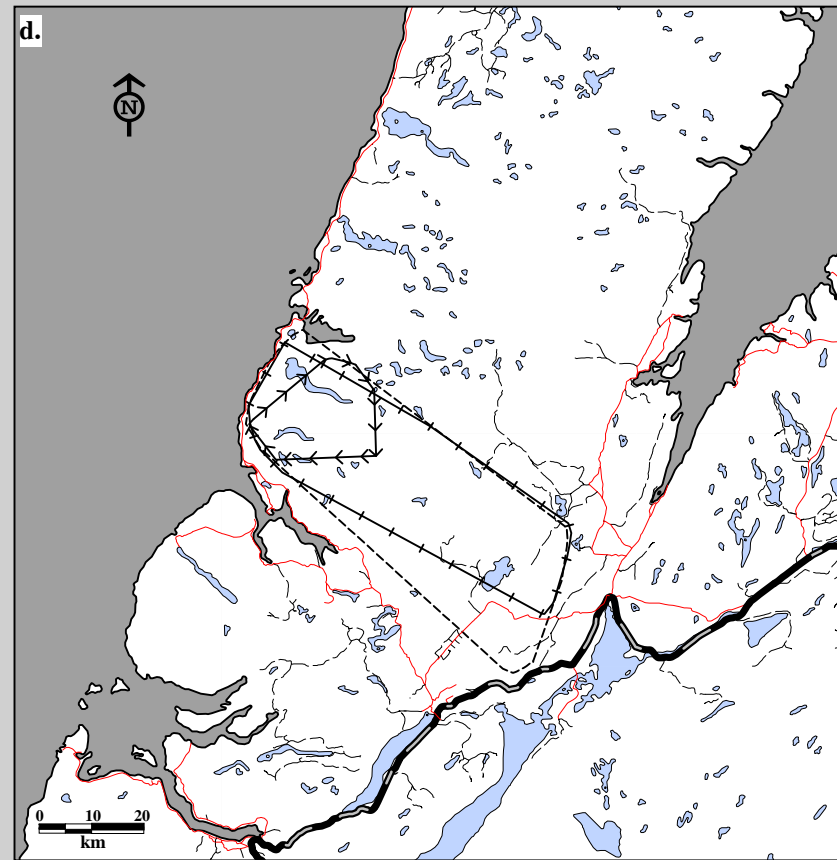
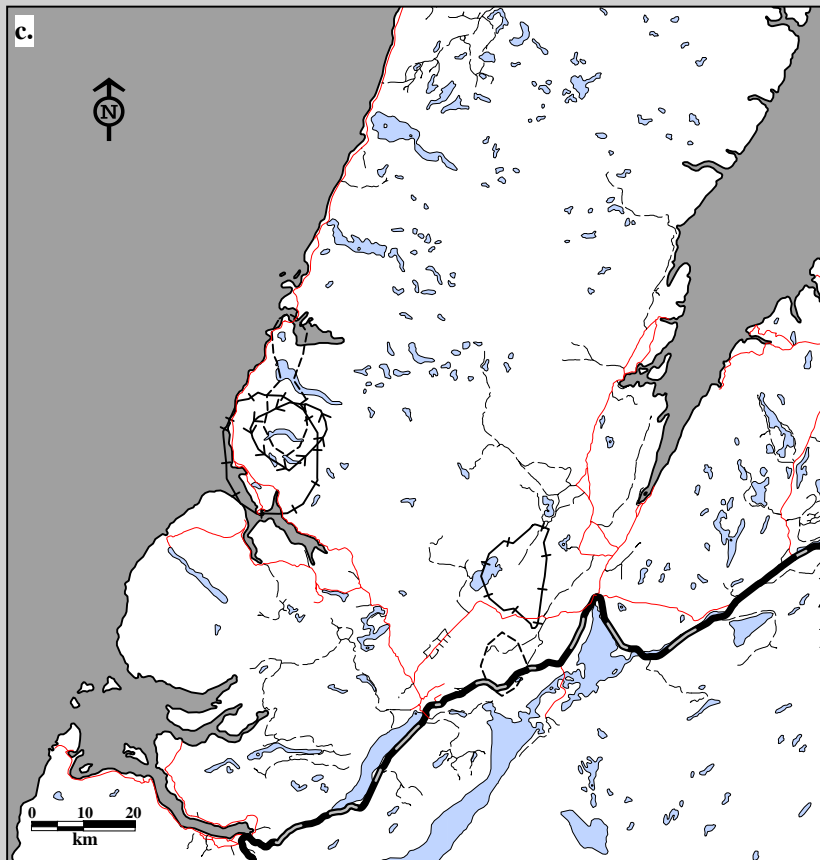


Fig. 8K-7. Gros Morne Caribou Herd Global Positioning System (GPS) locations for all cohorts May 1, 1996 to April 30, 1997. c. Seasonal home ranges using 75% harmonic mean d. Seasonal home ranges using 95% minimum convex polygon. Only adults collared.

**Season**

- ←←← Summer
- + + + Fall
- - - Winter



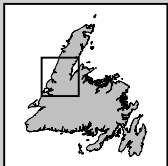
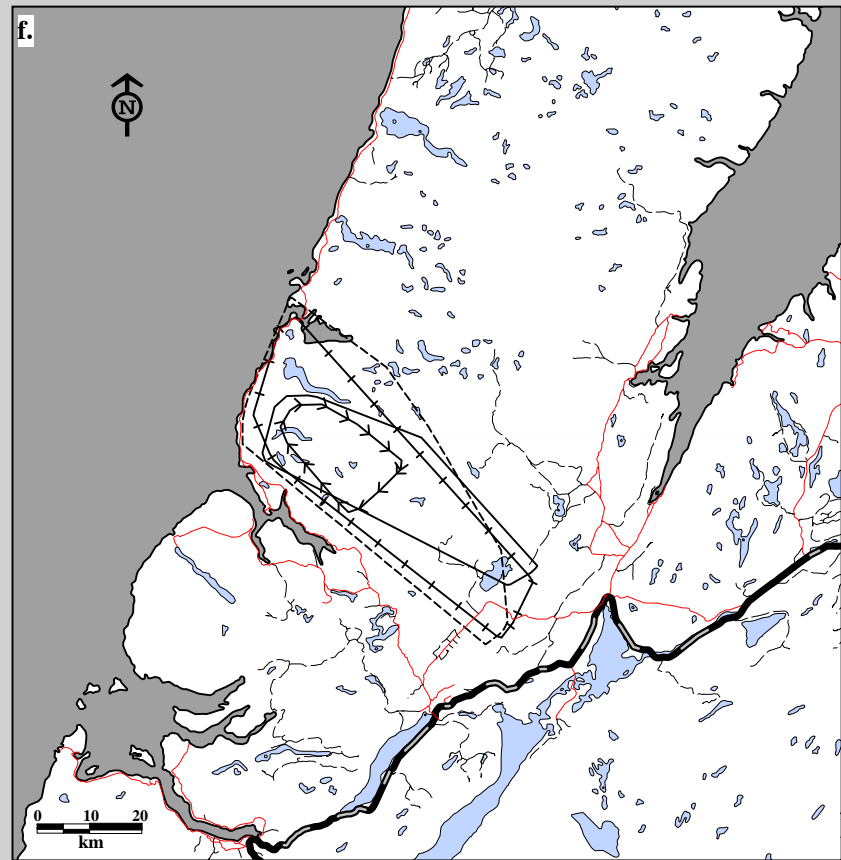
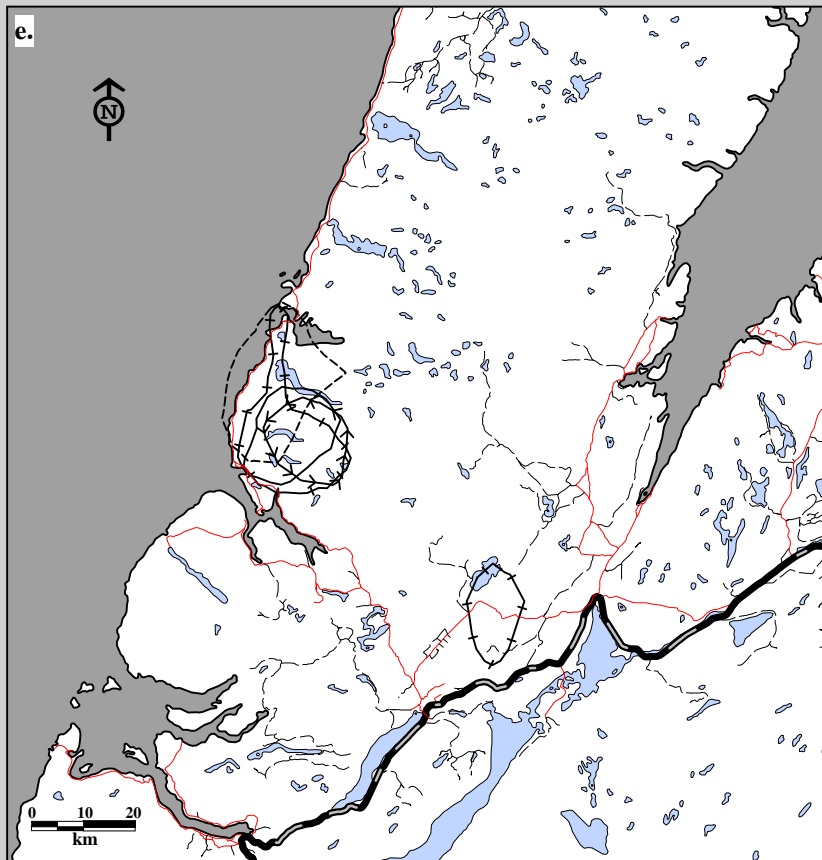


Fig. 8K-7. Gros Morne Caribou Herd Global Positioning System (GPS) locations for all cohorts May 1, 1997 to April 30, 1998. e. Seasonal home ranges using 75% harmonic mean f. Seasonal home ranges using 95% minimum convex polygon. Only adults collared.

**Season**

- Spring
- ← Summer
- +++ Fall
- Winter



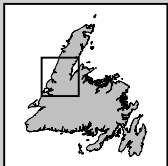
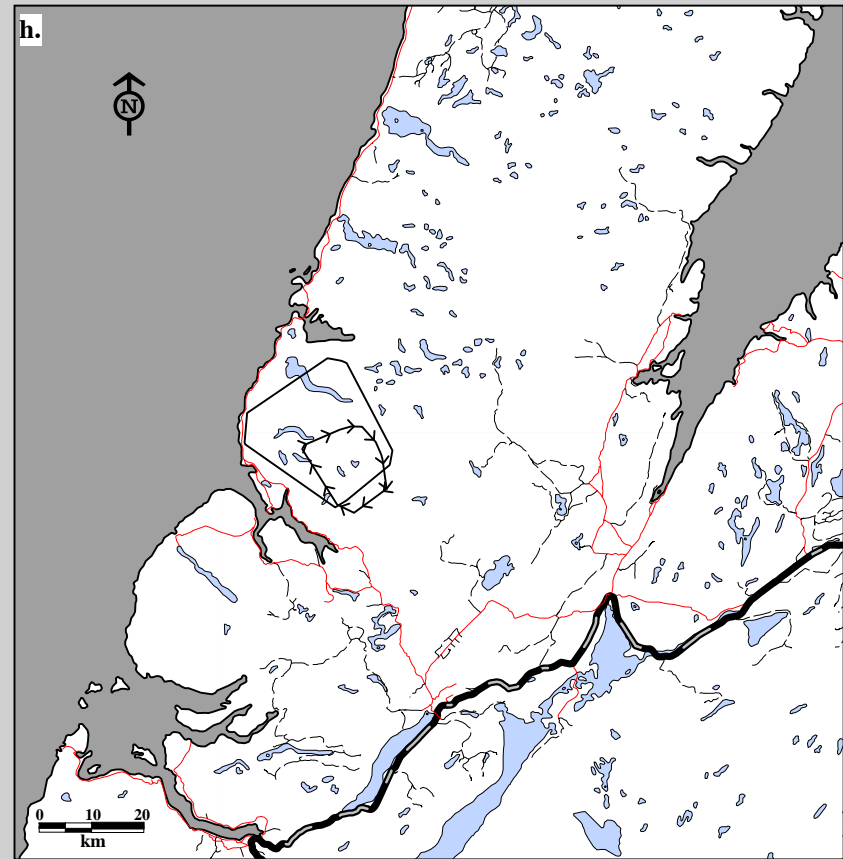
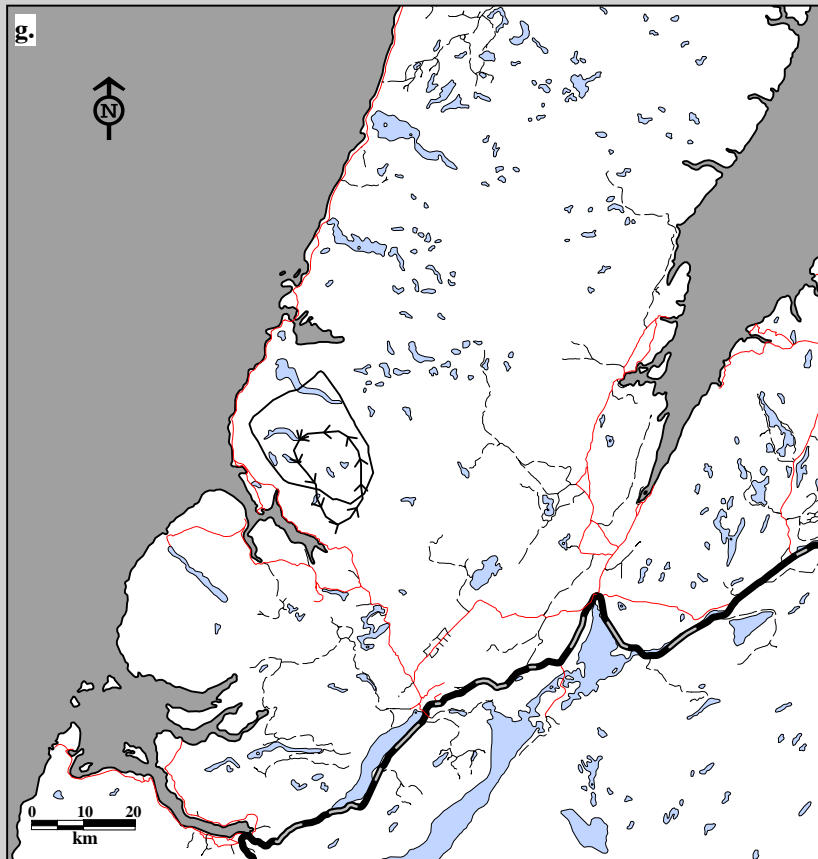
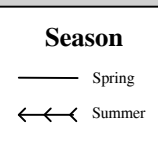


Fig. 8K-7. Gros Morne Caribou Herd Global Positioning System (GPS) locations for all cohorts May 1, 1998 to July 23, 1998. g. Seasonal home ranges using 75% harmonic mean h. Seasonal home ranges using 95% minimum convex polygon. Only adults collared.



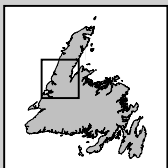
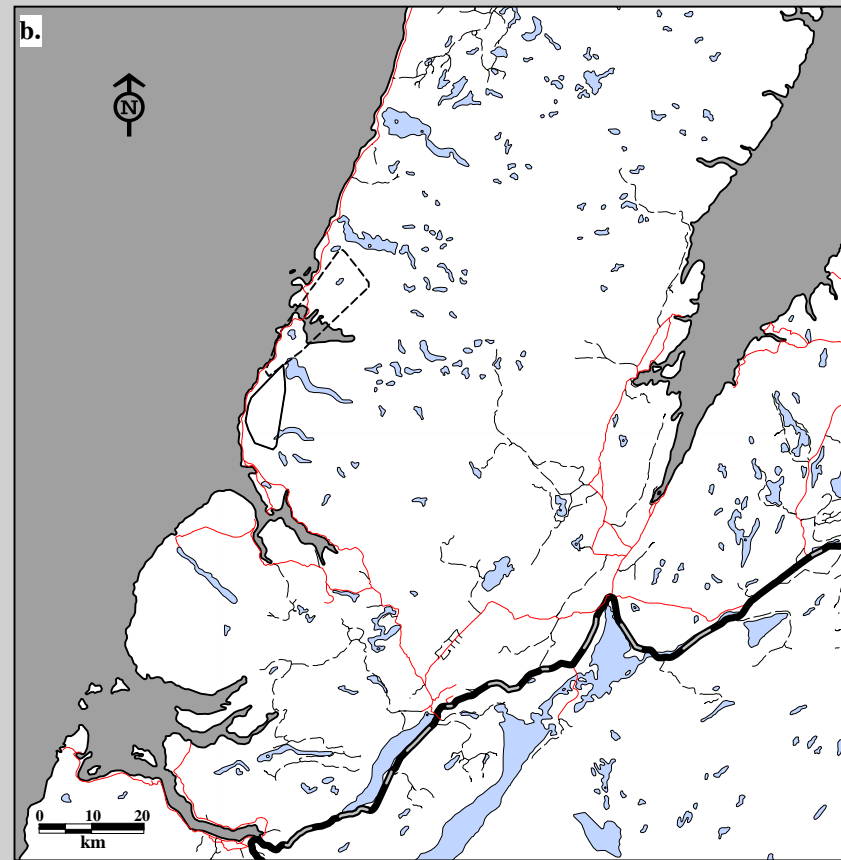
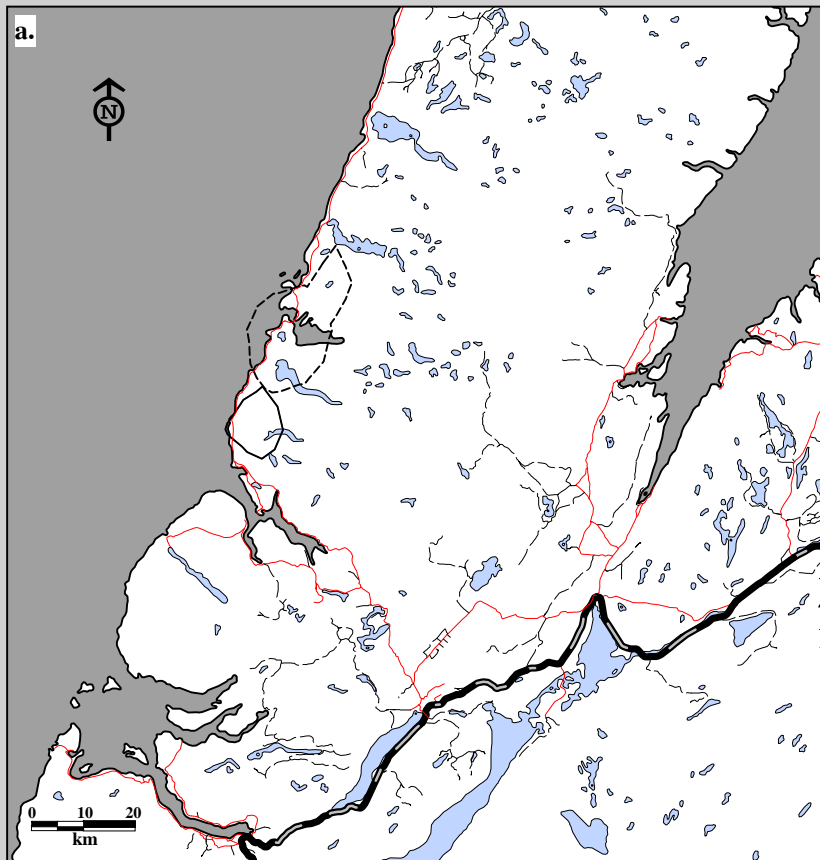


Fig. 8K-8. Gros Morne Caribou Herd Global Positioning System (GPS) locations by sex Jan. 11, 1996 to April 30, 1996. a. Winter home ranges using 75% harmonic mean b. Winter home ranges using 95% minimum convex polygon. Only adults collared.

**Sex**

— Female

- - - Male

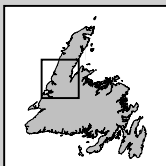
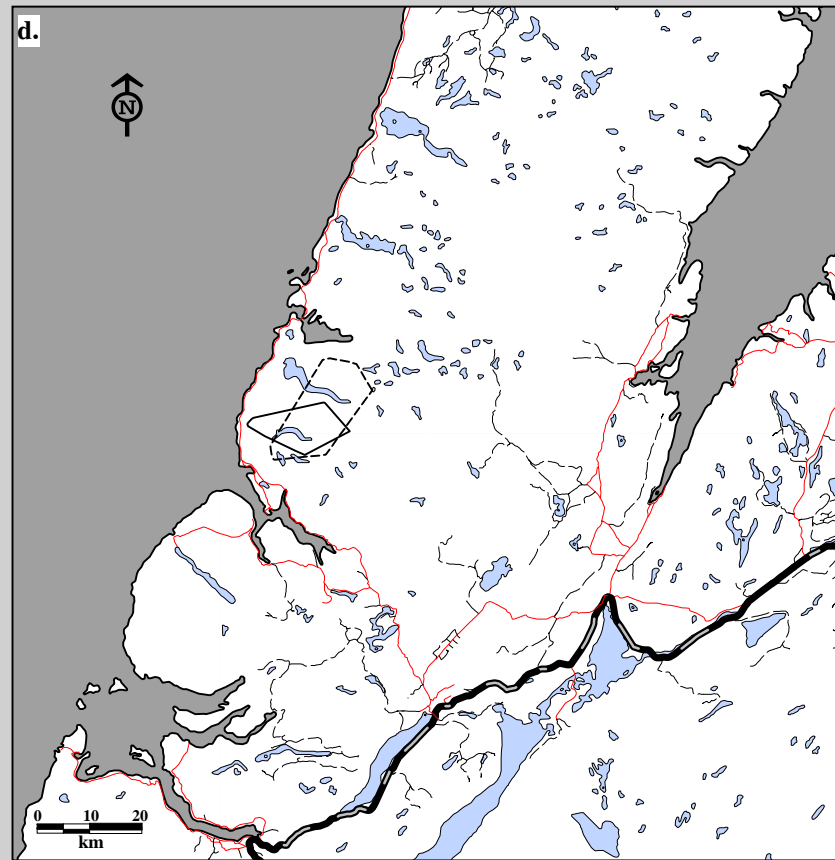
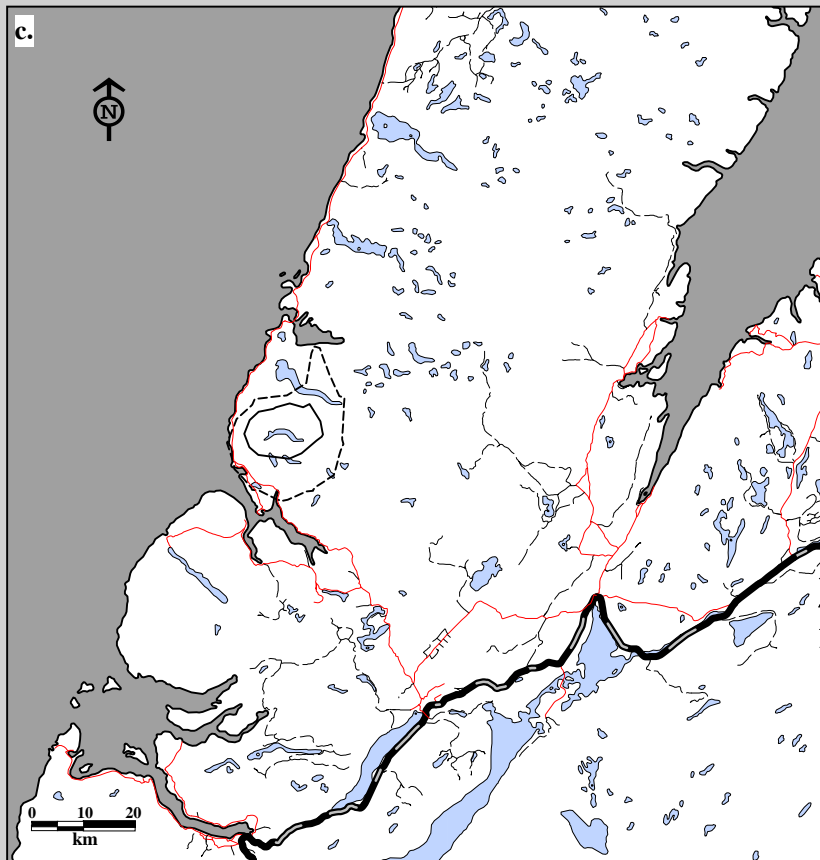


Fig. 8K-8. Gros Morne Caribou Herd Global Positioning System (GPS) locations by sex May 1, 1996 to April 30, 1997.  
 c. Summer home ranges using 75% harmonic mean d. Summer home ranges using 95% minimum convex polygon.  
 Only adults collared.

**Sex**

— Female

- - - - Male

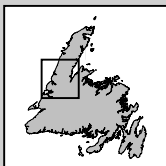
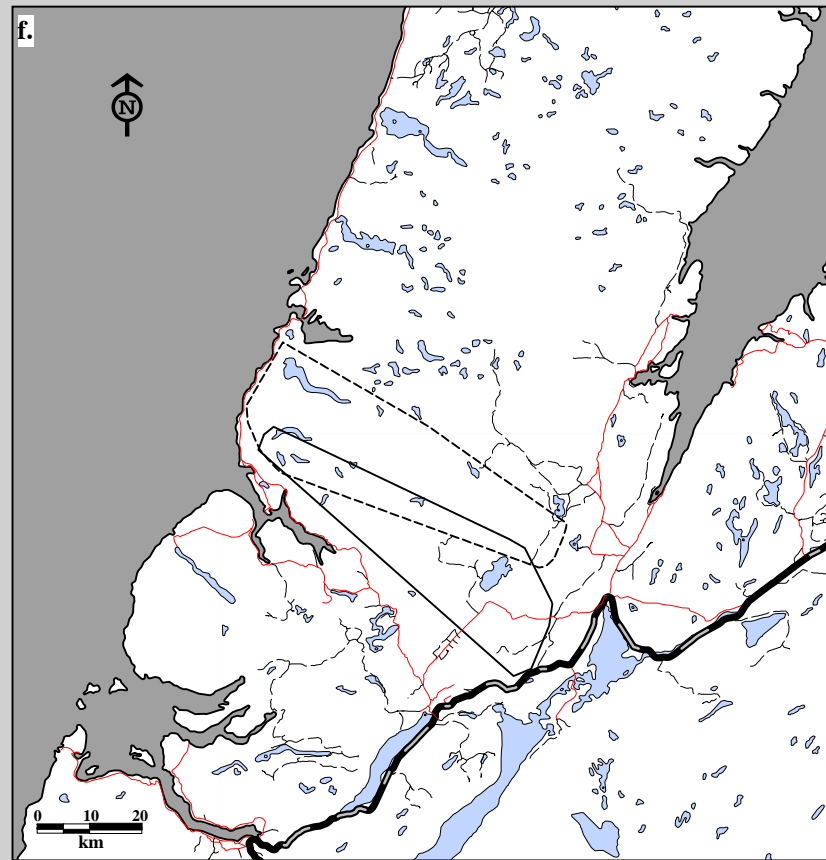
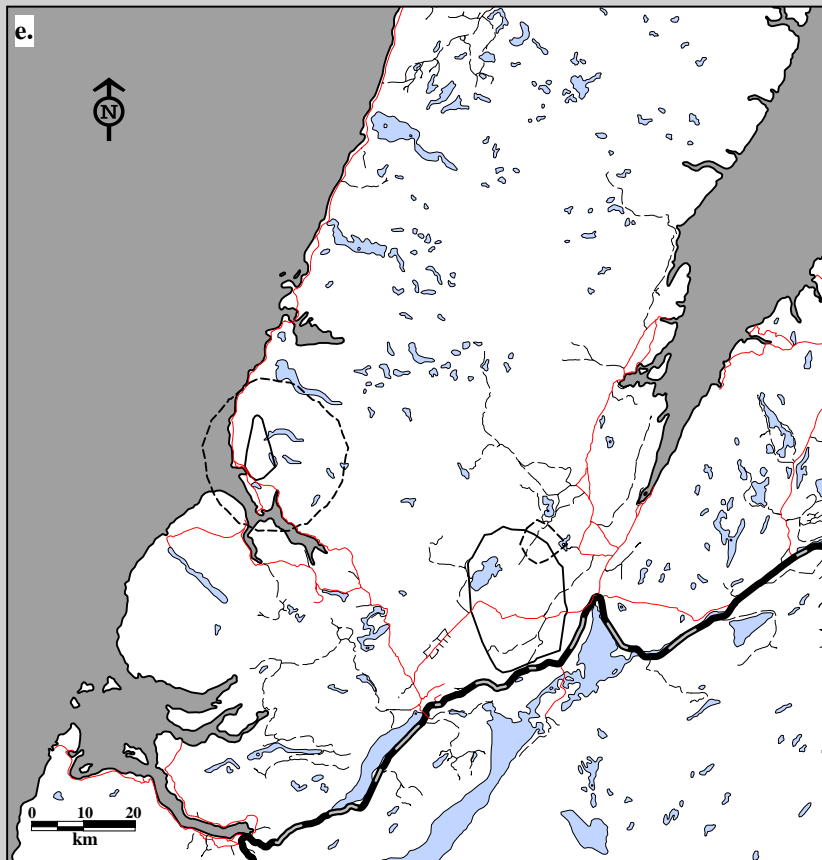
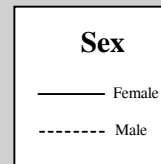


Fig. 8K-8. Gros Morne Caribou Herd Global Positioning System (GPS) locations by sex May 1, 1996 to April 30, 1997.  
 e. Fall home ranges using 75% harmonic mean f. Fall home ranges using 95% minimum convex polygon.  
 Only adults collared.



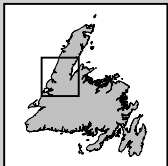
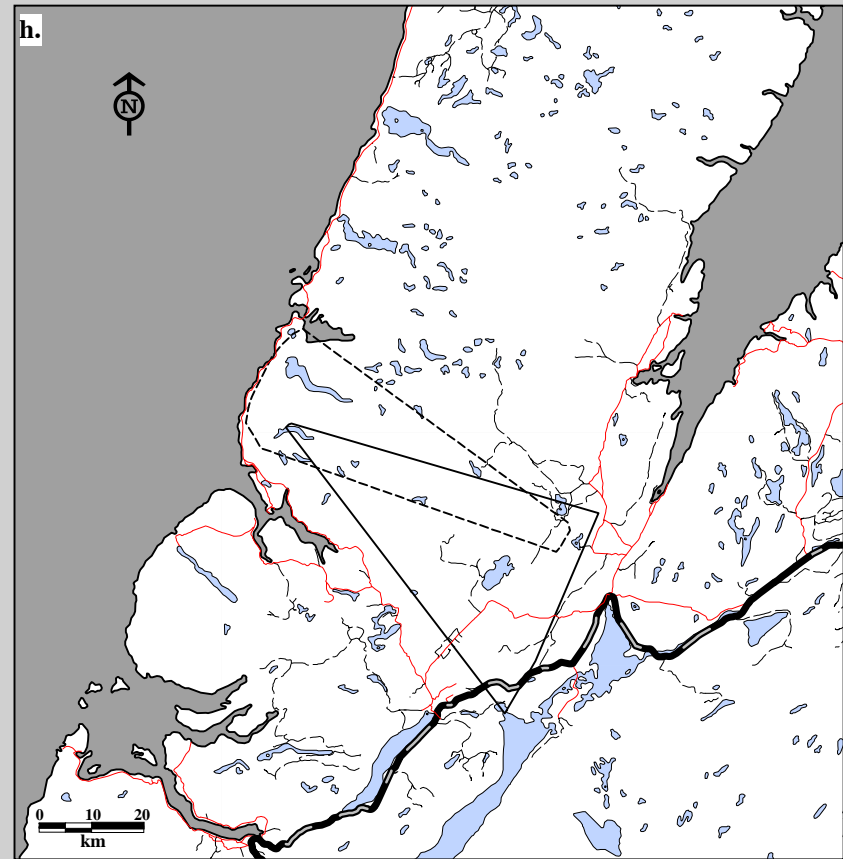
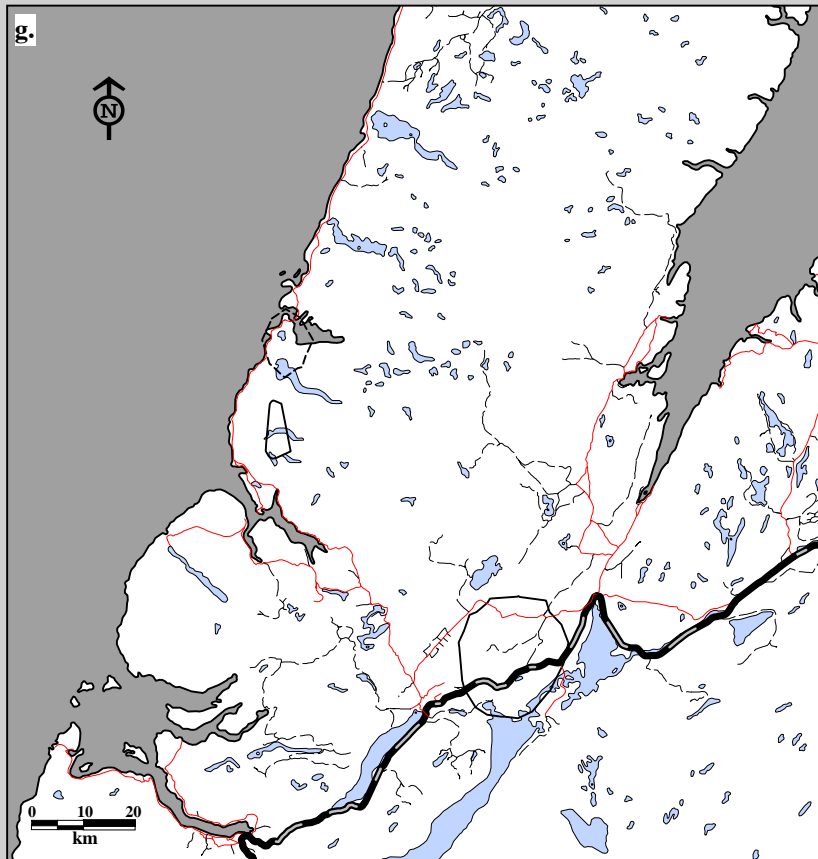


Fig. 8K-8. Gros Morne Caribou Herd Global Positioning System (GPS) locations by sex May 1, 1996 to April 30, 1997. g. Winter home ranges using 75% harmonic mean h. Winter home ranges using 95% minimum convex polygon. Only adults collared.

### Sex

- Female
- - - Male

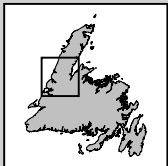
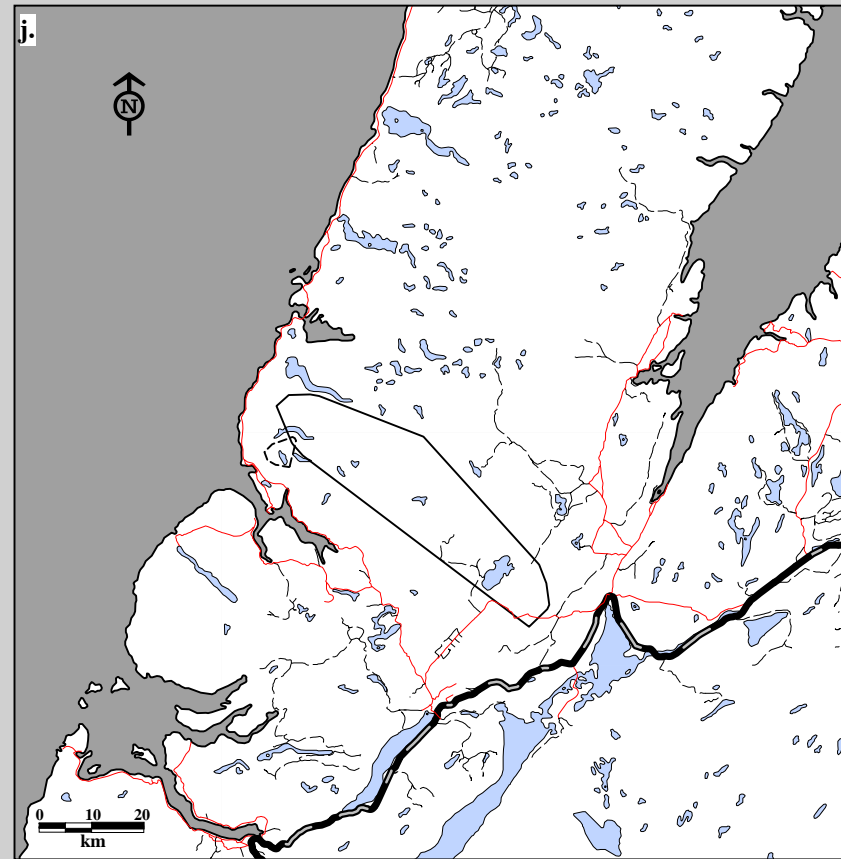
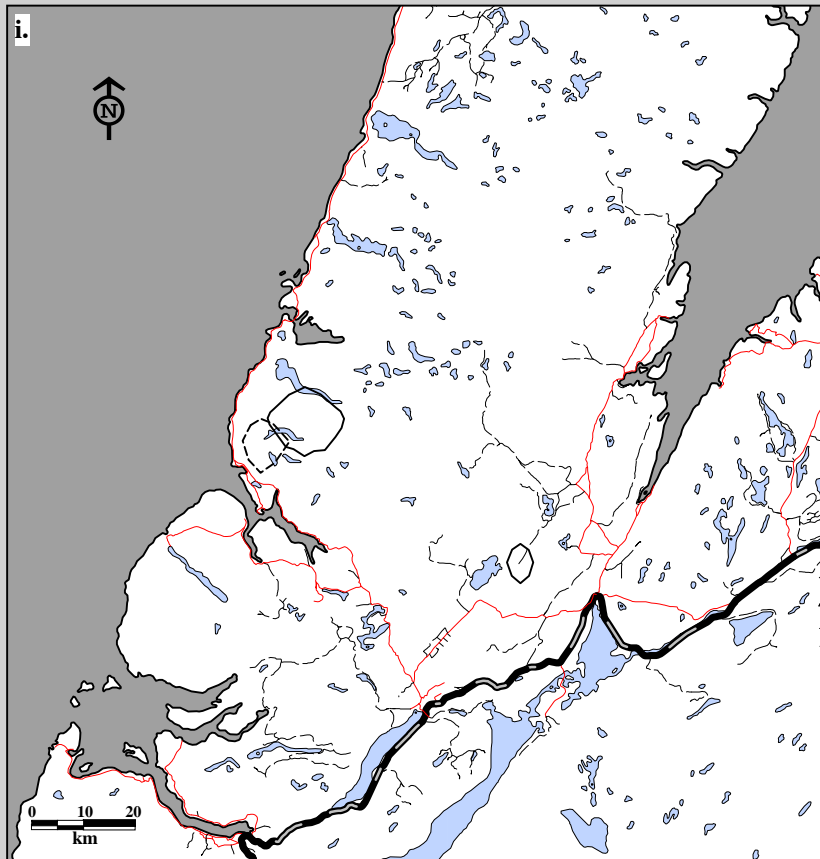


Fig. 8K-8. Gros Morne Caribou Herd Global Positioning System (GPS) locations by sex May 1, 1997 to April 30, 1998.  
 i. Spring home ranges using 75% harmonic mean j. Spring home ranges using 95% minimum convex polygon.  
 Only adults collared.

**Sex**

— Female

- - - - - Male

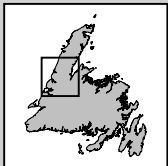
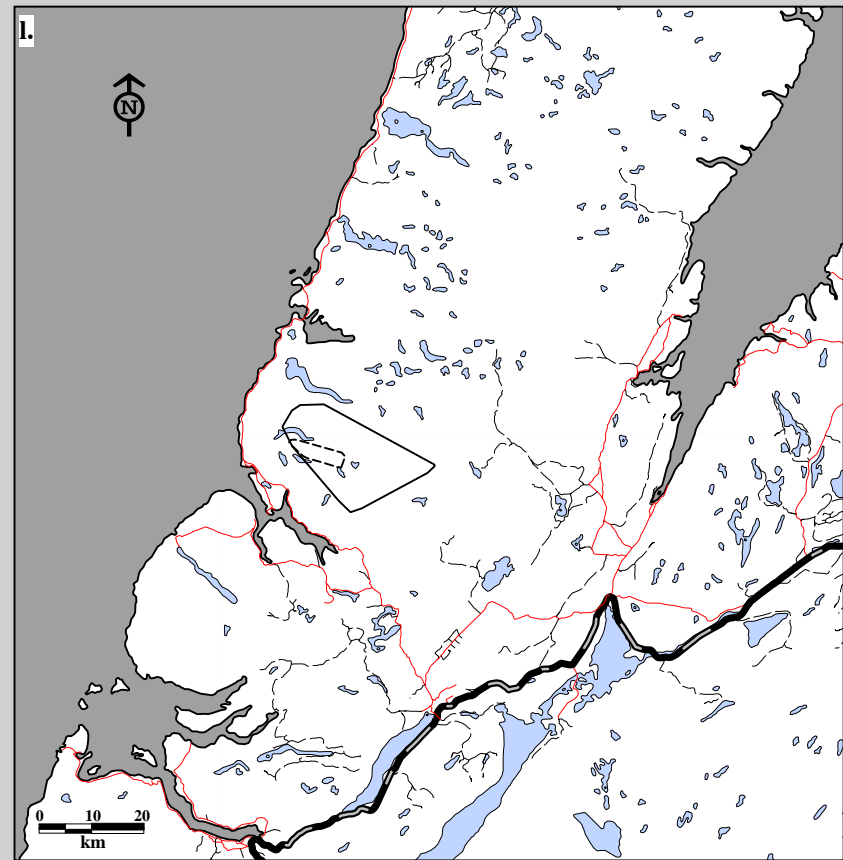
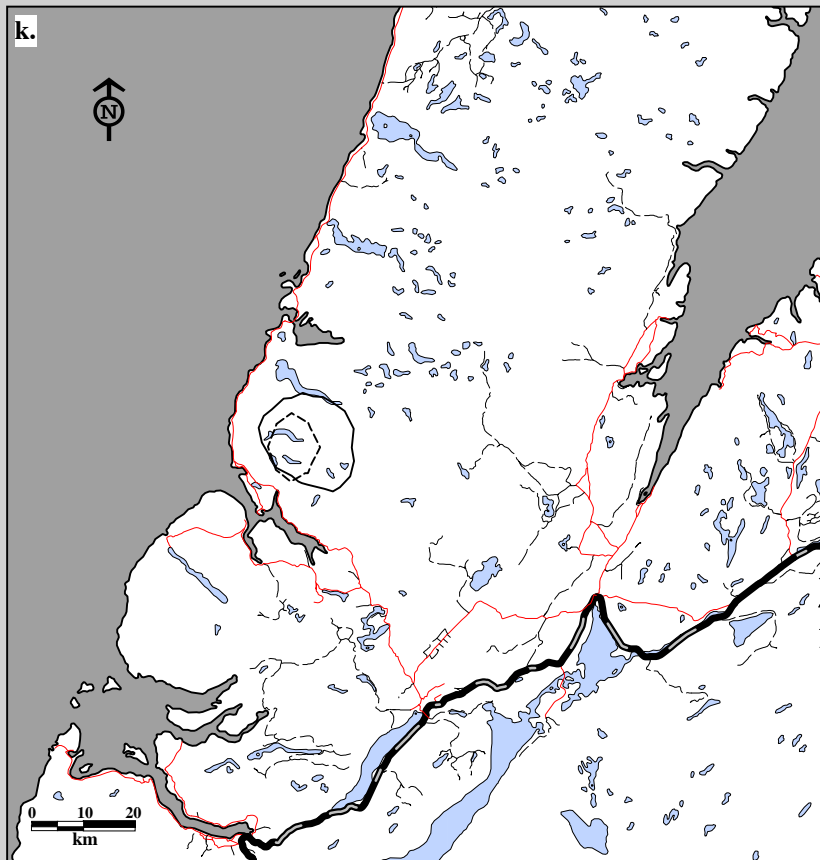


Fig. 8K-8. Gros Morne Caribou Herd Global Positioning System (GPS) locations by sex May 1, 1997 to April 30, 1998. k. Summer home ranges using 75% harmonic mean l. Summer home ranges using 95% minimum convex polygon. Only adults collared.

**Sex**

— Female  
 - - - - - Male



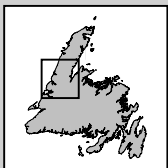
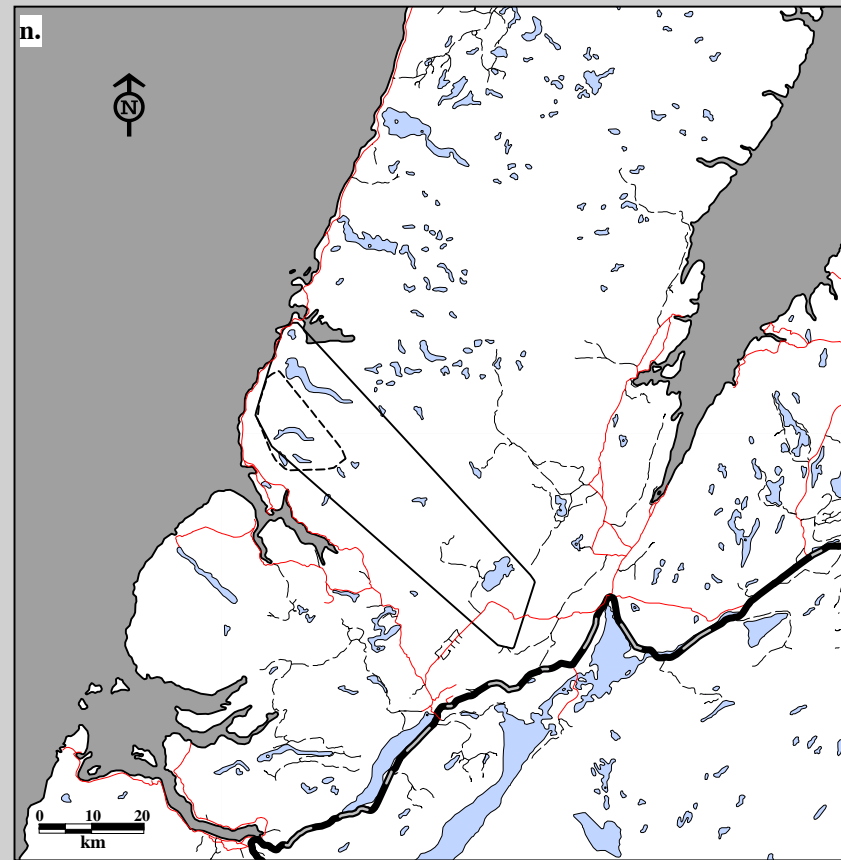
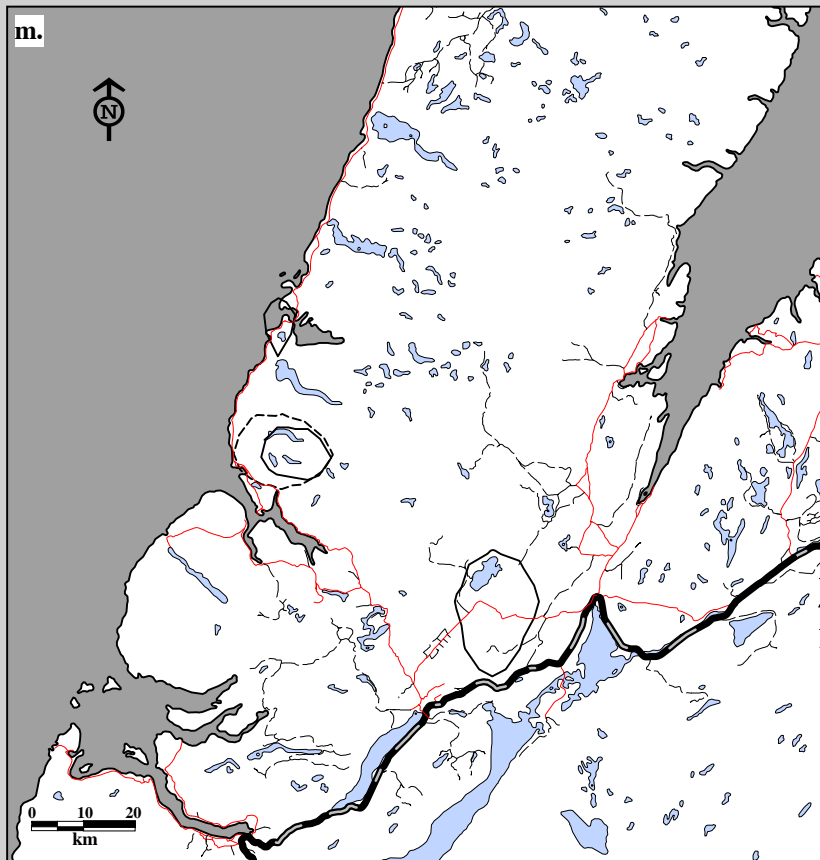


Fig. 8K-8. Gros Morne Caribou Herd Global Positioning System (GPS) locations by sex May 1, 1997 to April 30, 1998.  
 m. Fall home ranges using 75% harmonic mean n. Fall home ranges using 95% minimum convex polygon.  
 Only adults collared.

**Sex**

— Female

- - - Male



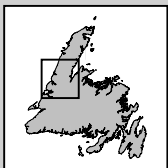
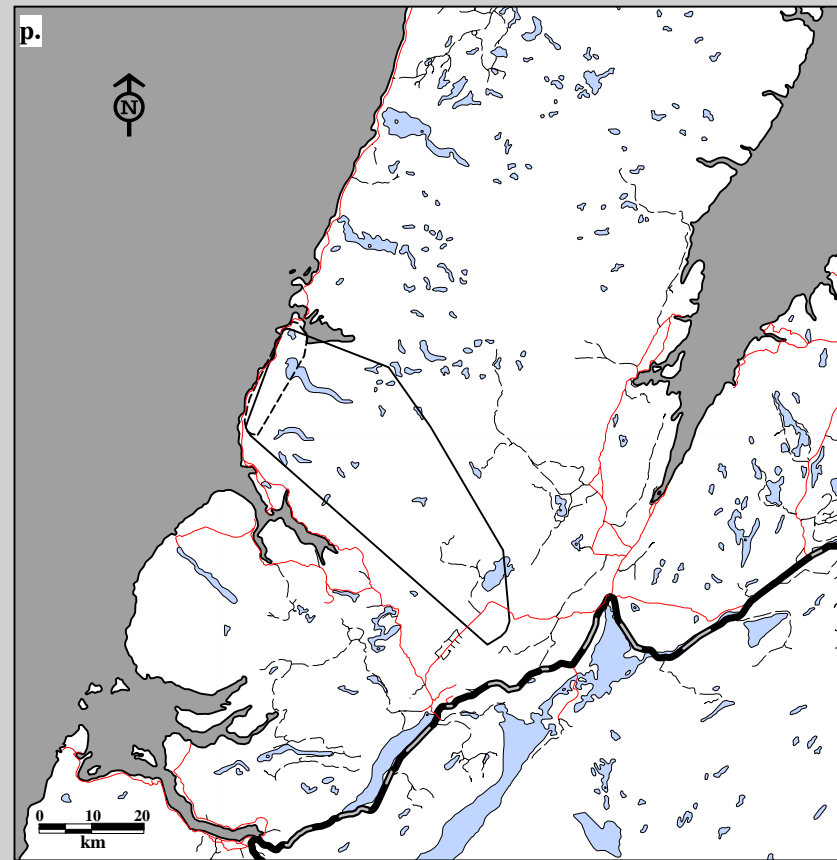
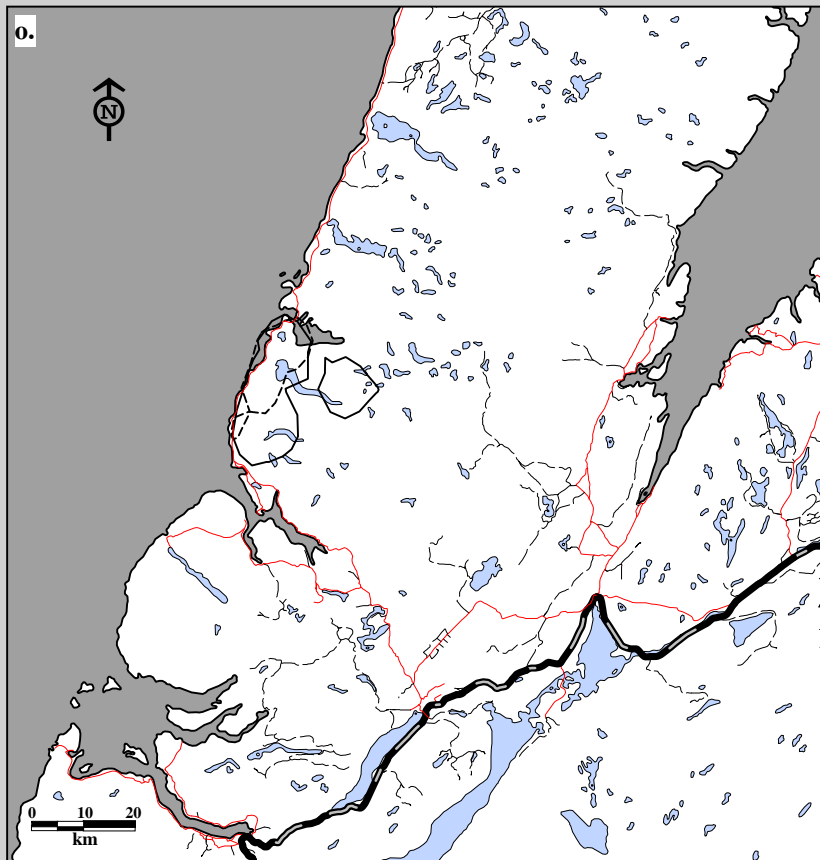


Fig. 8K-8. Gros Morne Caribou Herd Global Positioning System (GPS) locations by sex May 1, 1997 to April 30, 1998. o. Winter home ranges using 75% harmonic mean p. Winter home ranges using 95% minimum convex polygon. Only adults collared.

**Sex**

- Female
- - - - - Male

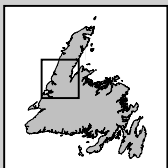
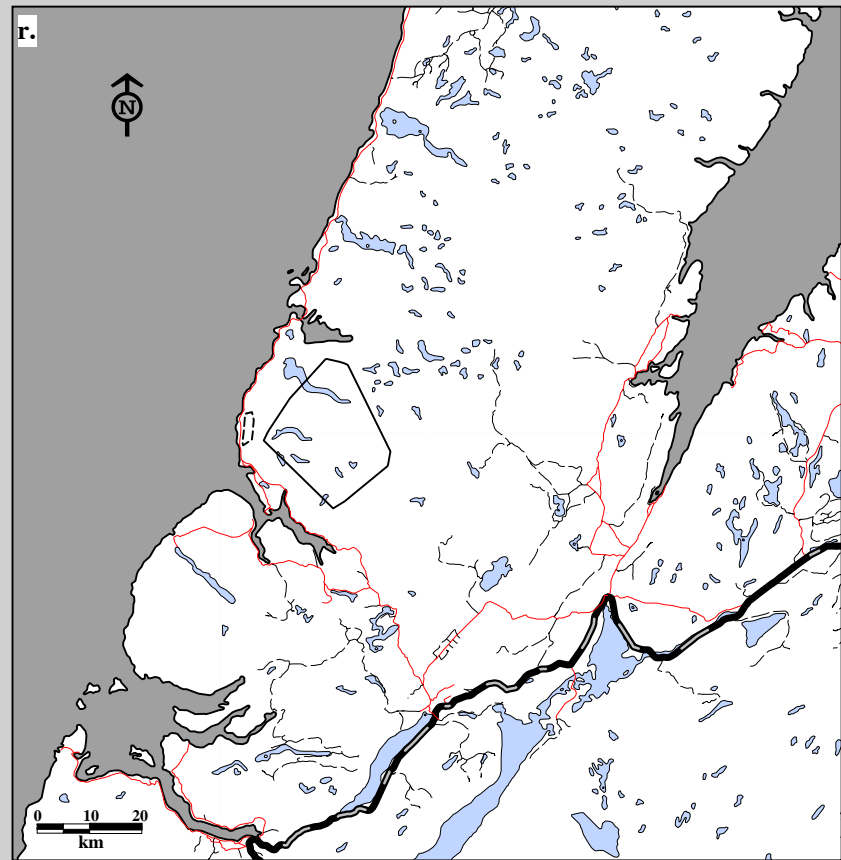
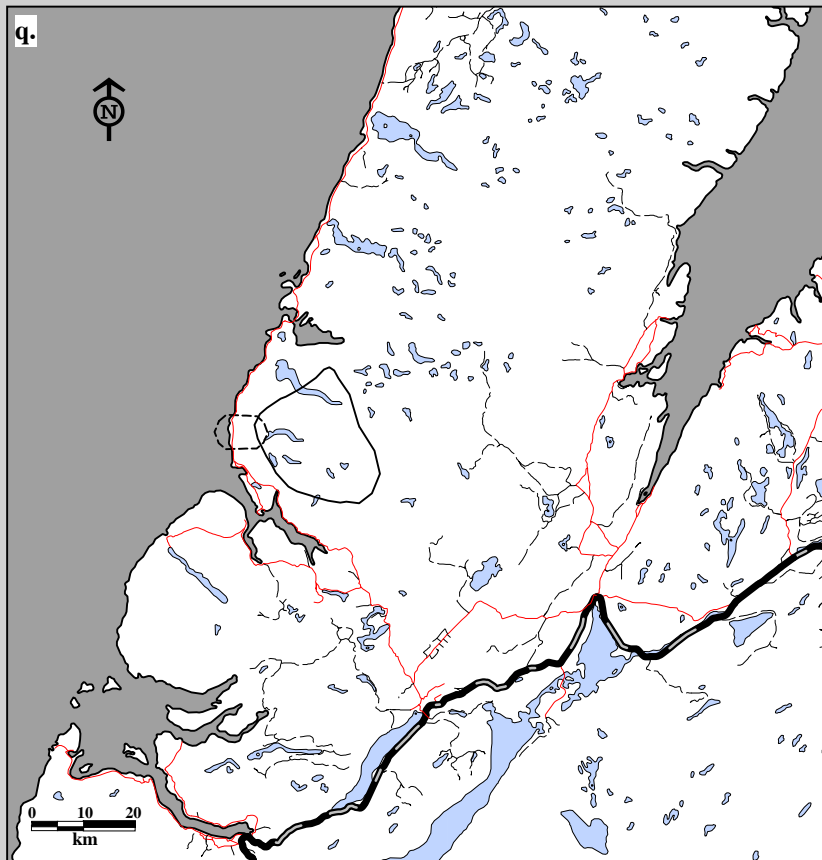


Fig. 8K-8. Gros Morne Caribou Herd Global Positioning System (GPS) locations by sex May 1, 1998 to July 23, 1998. q. Spring home ranges using 75% harmonic mean r. Spring home ranges using 95% minimum convex polygon. Only adults collared.

### Sex

— Female

- - - Male

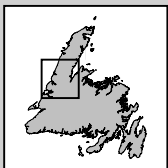
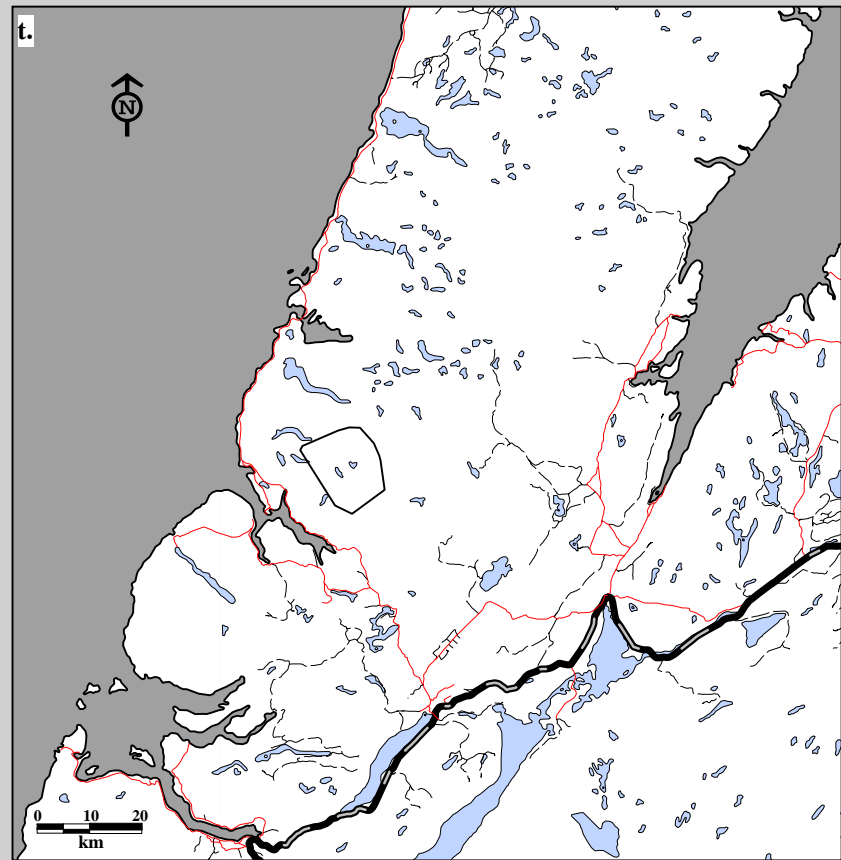
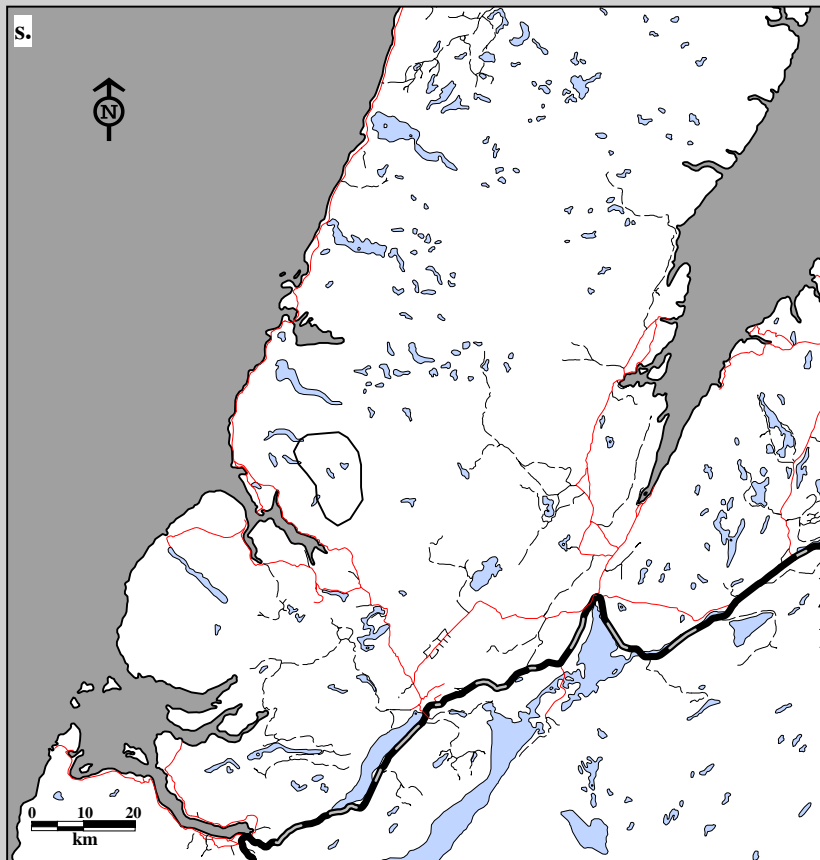
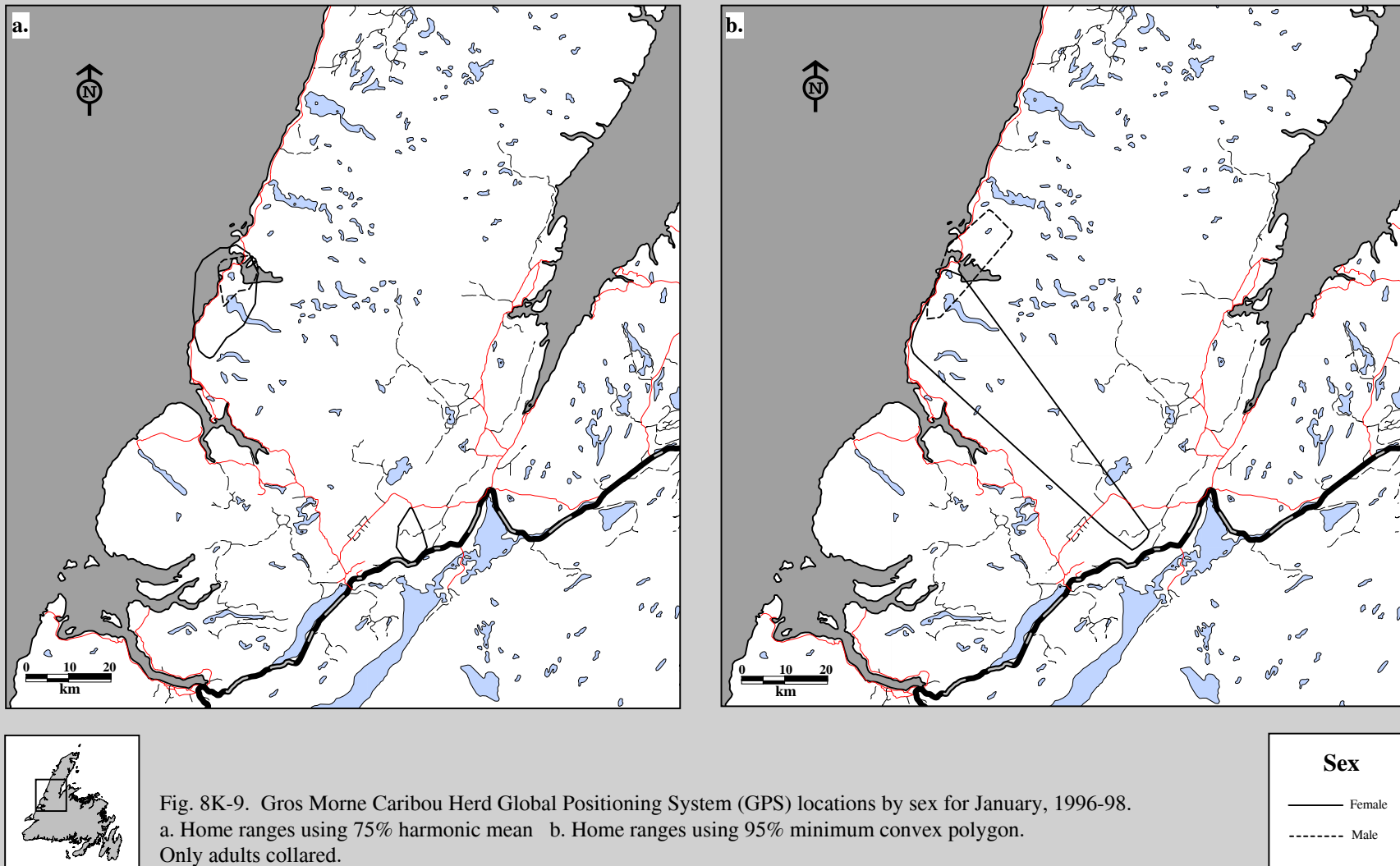


Fig. 8K-8. Gros Morne Caribou Herd Global Positioning System (GPS) locations by sex May 1, 1998 to July 23, 1998. s. Summer home ranges using 75% harmonic mean t. Summer home ranges using 95% minimum convex polygon. Only adults collared.

**Sex**

— Female



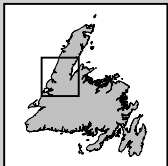
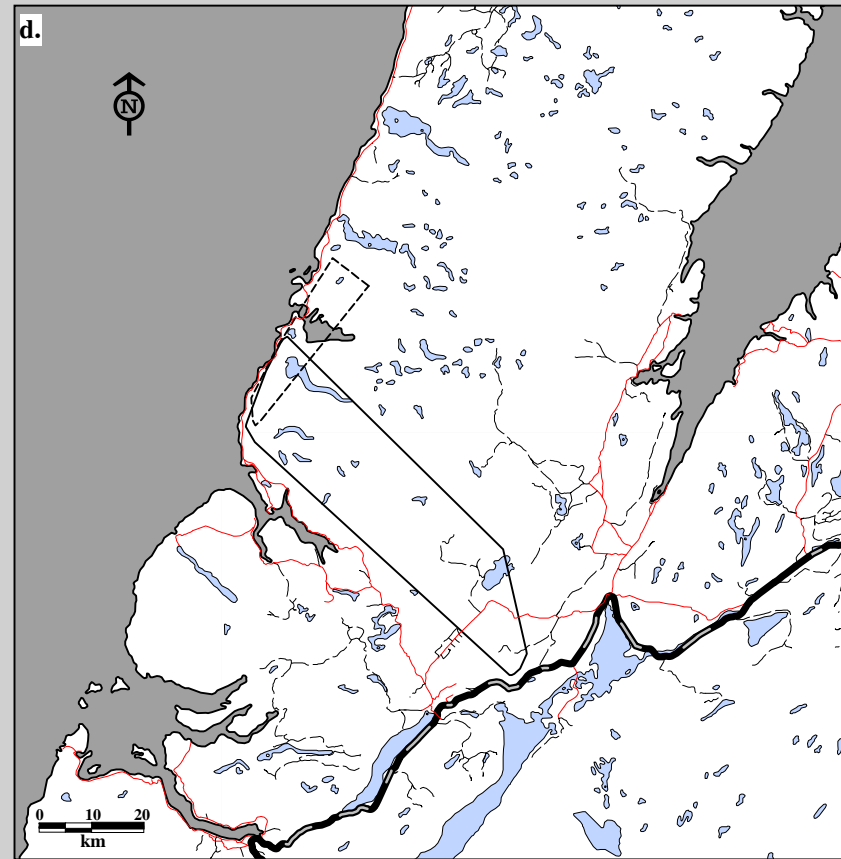
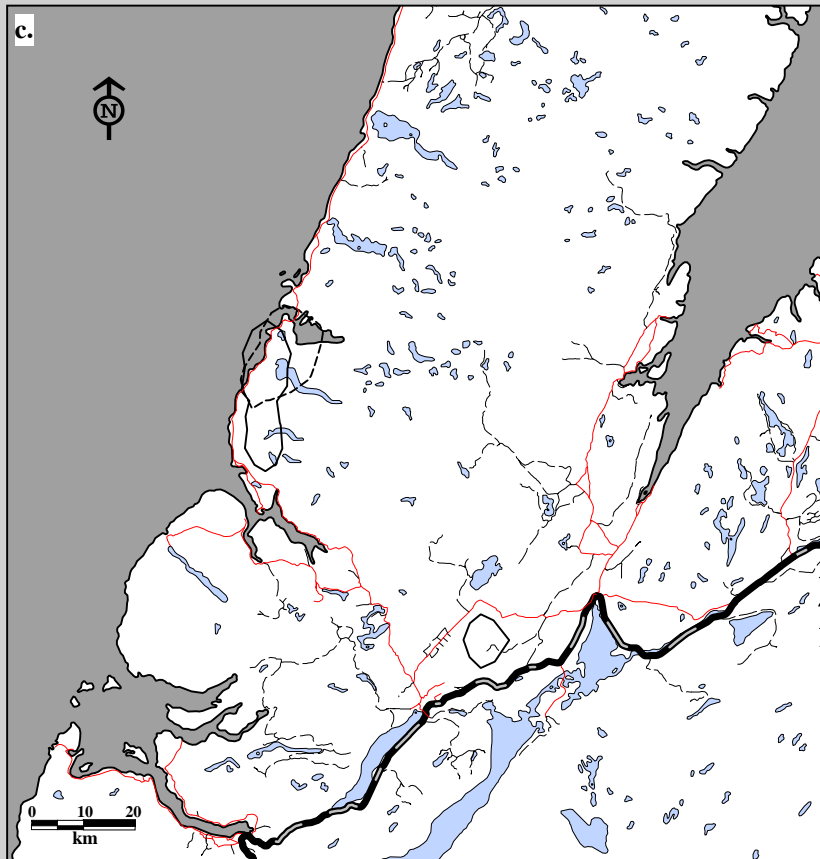


Fig. 8K-9. Gros Morne Caribou Herd Global Positioning System (GPS) locations by sex for February, 1996-98.  
 c. Home ranges using 75% harmonic mean d. Home ranges using 95% minimum convex polygon.  
 Only adults collared.

**Sex**

— Female

- - - Male

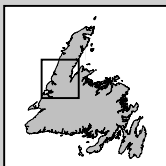
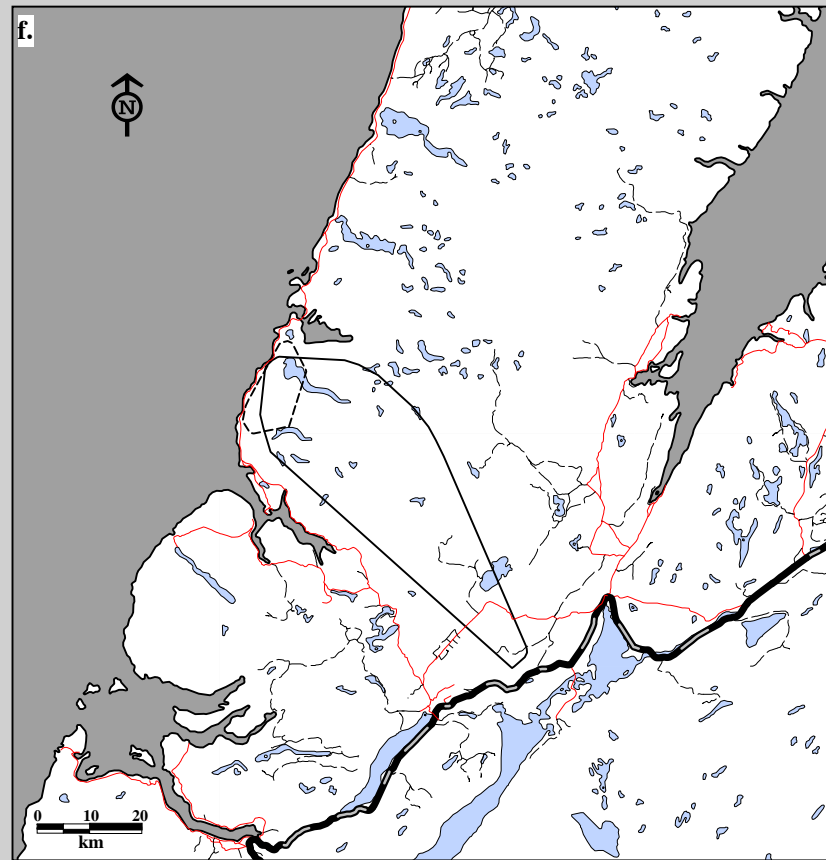
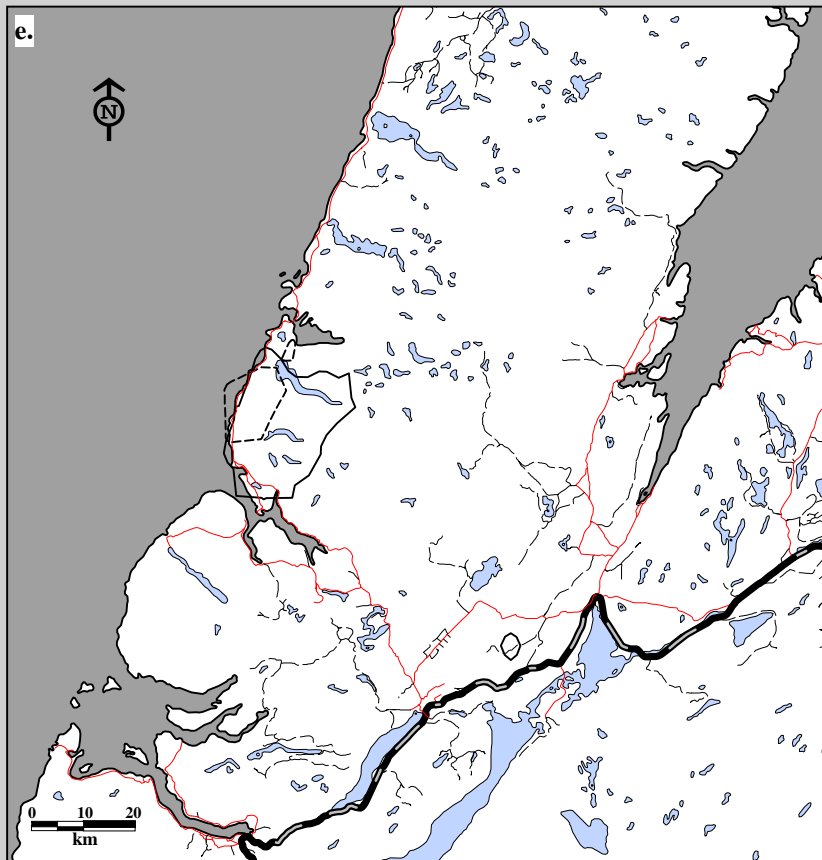
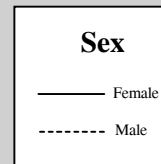


Fig. 8K-9. Gros Morne Caribou Herd Global Positioning System (GPS) locations by sex for March, 1996-98.  
 e. Home ranges using 75% harmonic mean f. Home ranges using 95% minimum convex polygon.  
 Only adults collared.



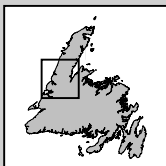
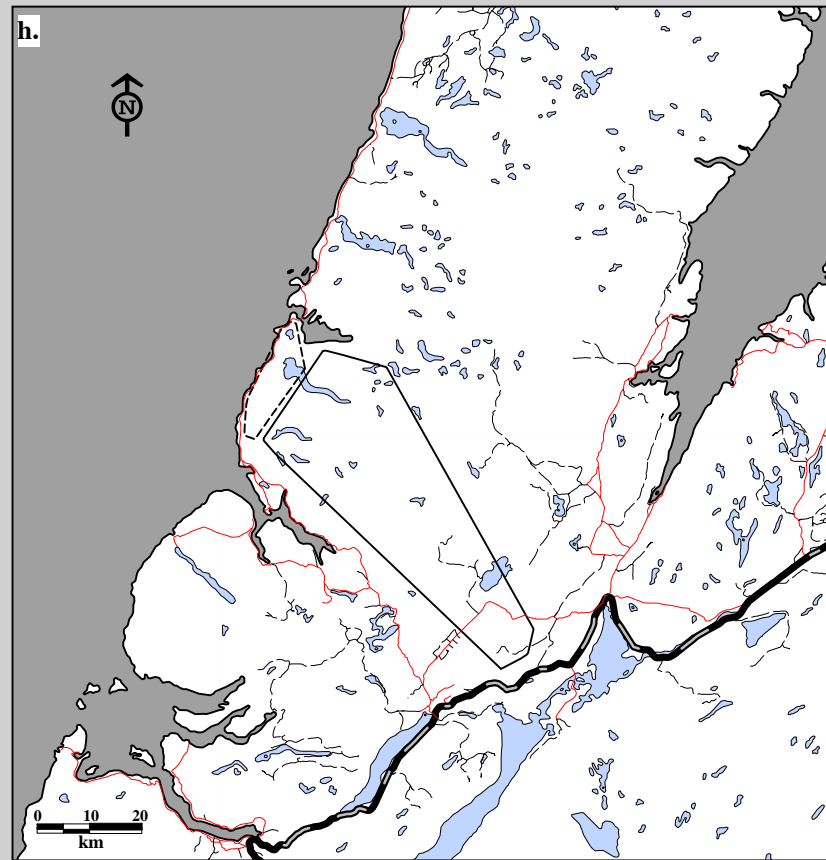
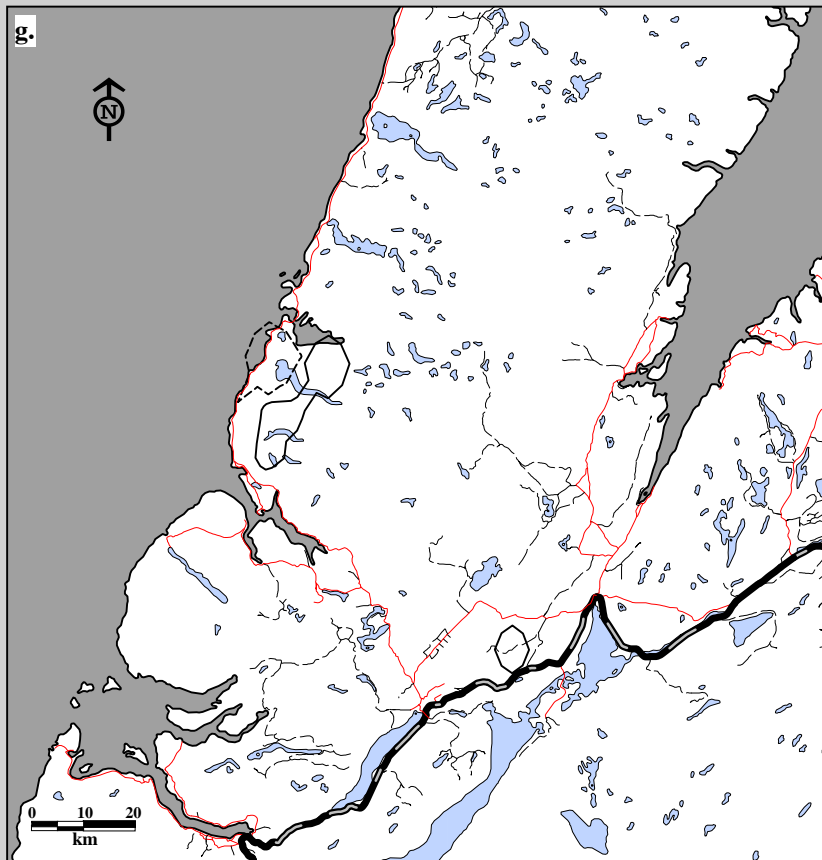
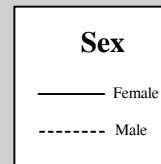


Fig. 8K-9. Gros Morne Caribou Herd Global Positioning System (GPS) locations by sex for April, 1996-98. g. Home ranges using 75% harmonic mean h. Home ranges using 95% minimum convex polygon. Only adults collared.





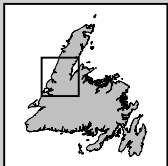
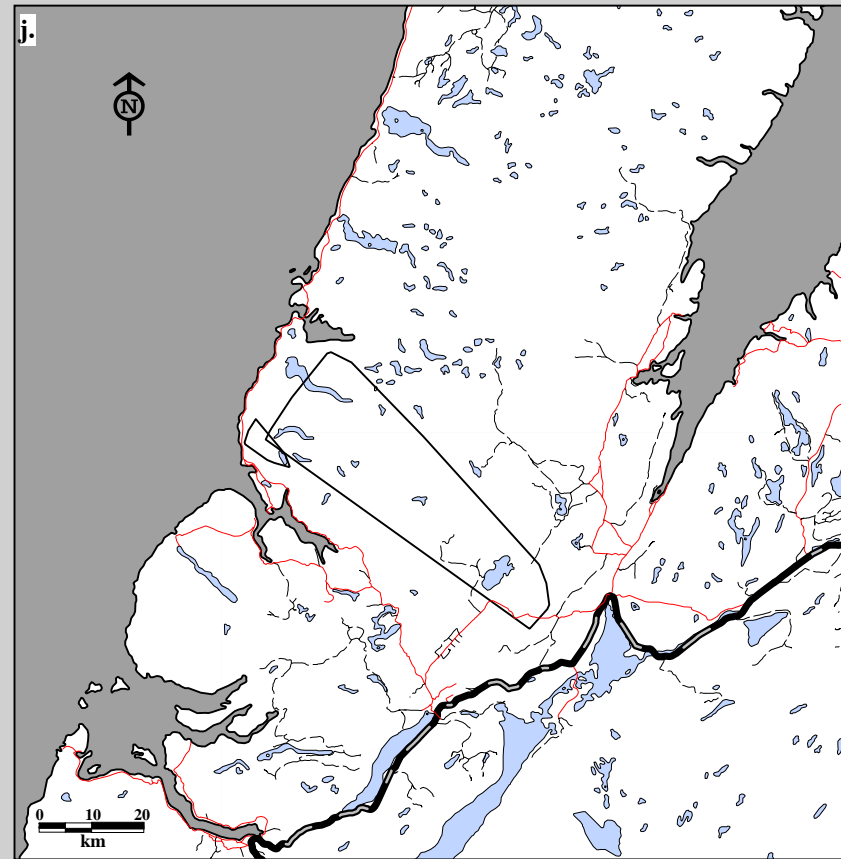
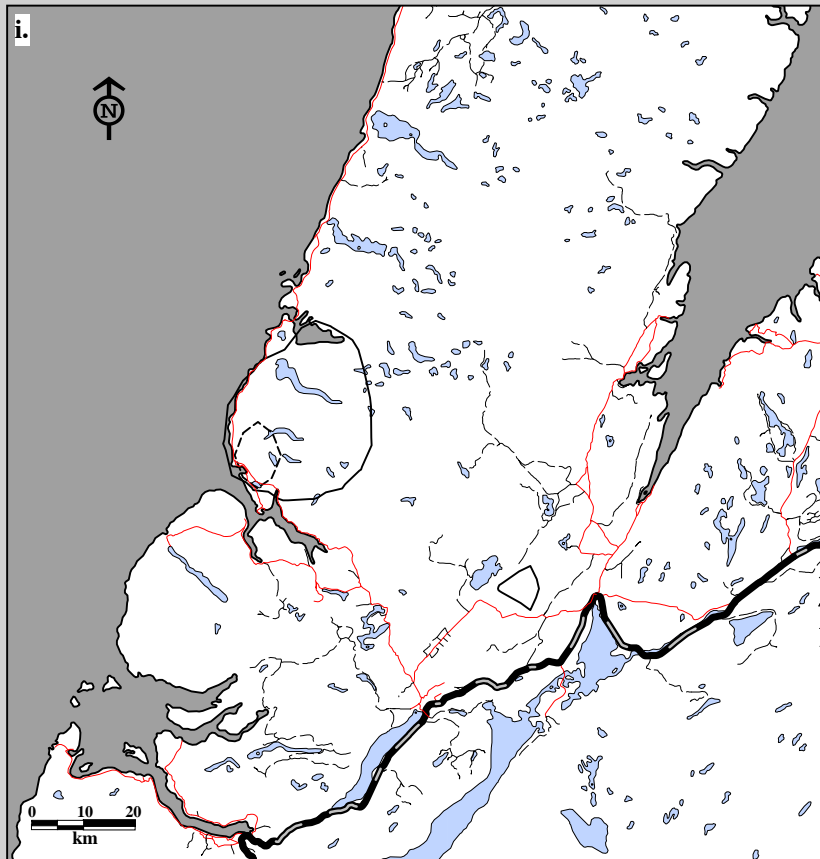


Fig. 8K-9. Gros Morne Caribou Herd Global Positioning System (GPS) locations by sex for May, 1996-98.  
 i. Home ranges using 75% harmonic mean j. Home ranges using 95% minimum convex polygon.  
 Only adults collared.

**Sex**

— Female

- - - - - Male



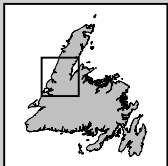
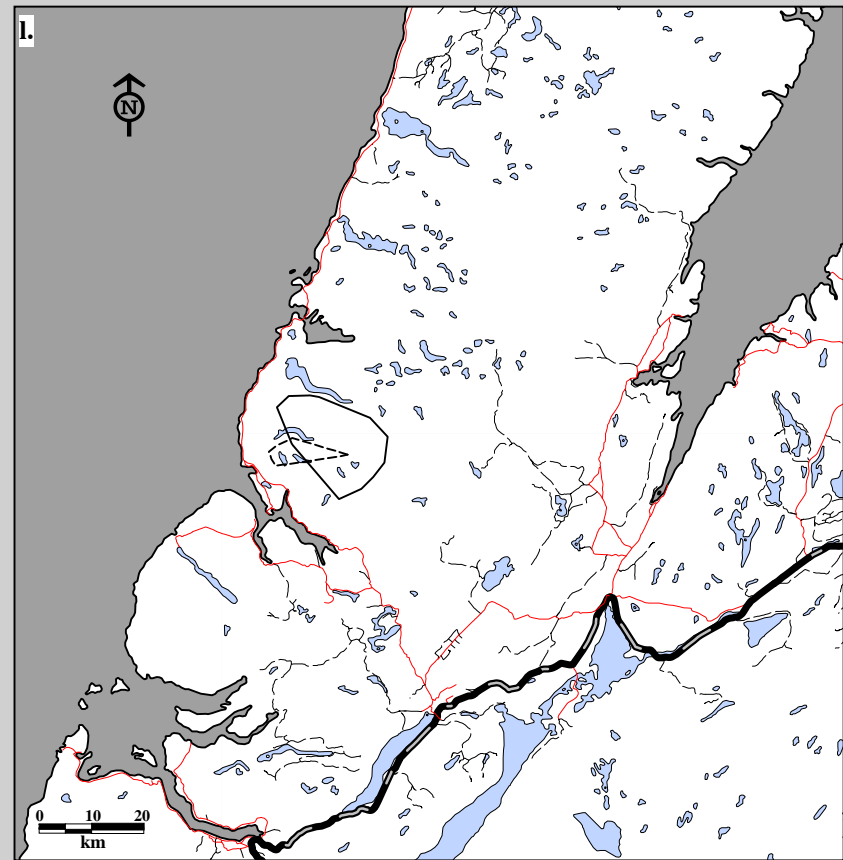
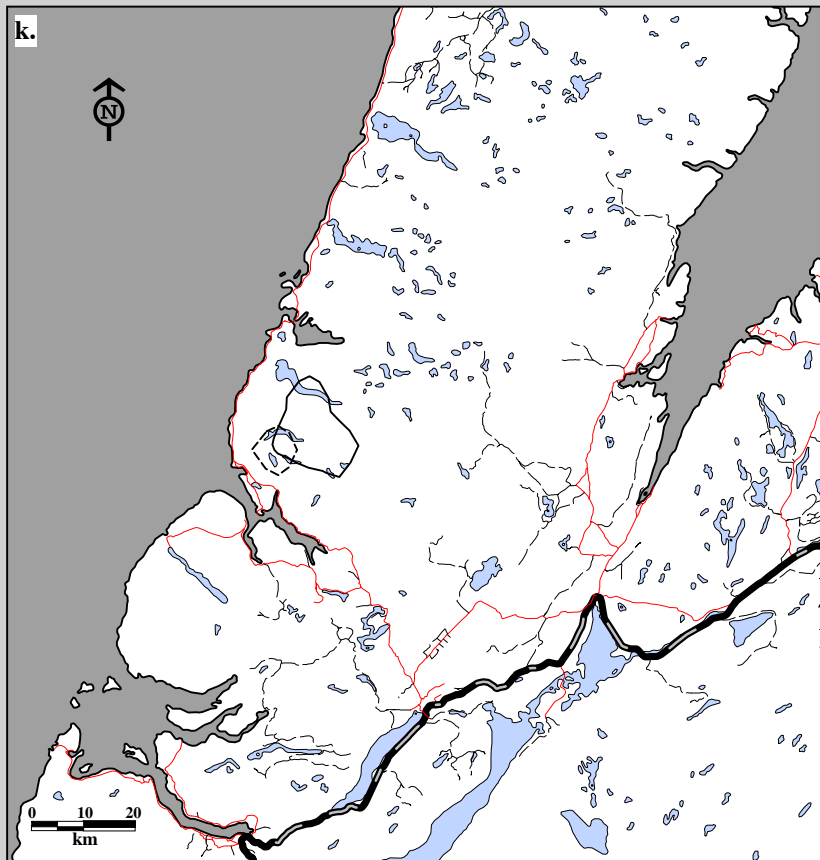


Fig. 8K-9. Gros Morne Caribou Herd Global Positioning System (GPS) locations by sex for June, 1996-98.  
 k. Home ranges using 75% harmonic mean l. Home ranges using 95% minimum convex polygon.  
 Only adults collared.

**Sex**

— Female  
 - - - - - Male

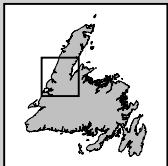
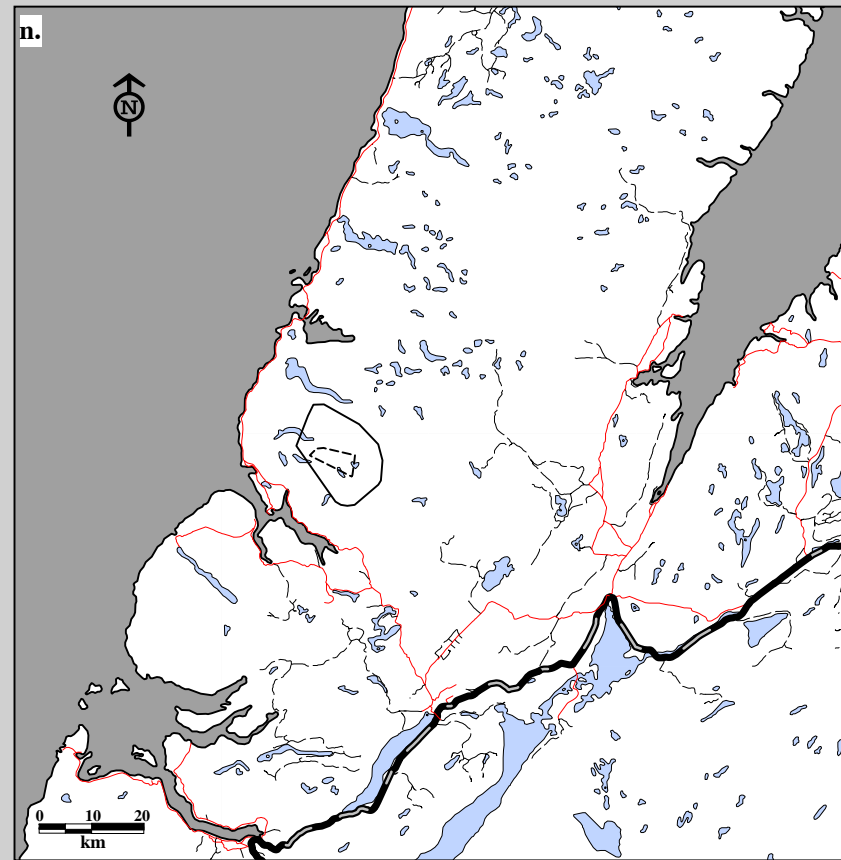
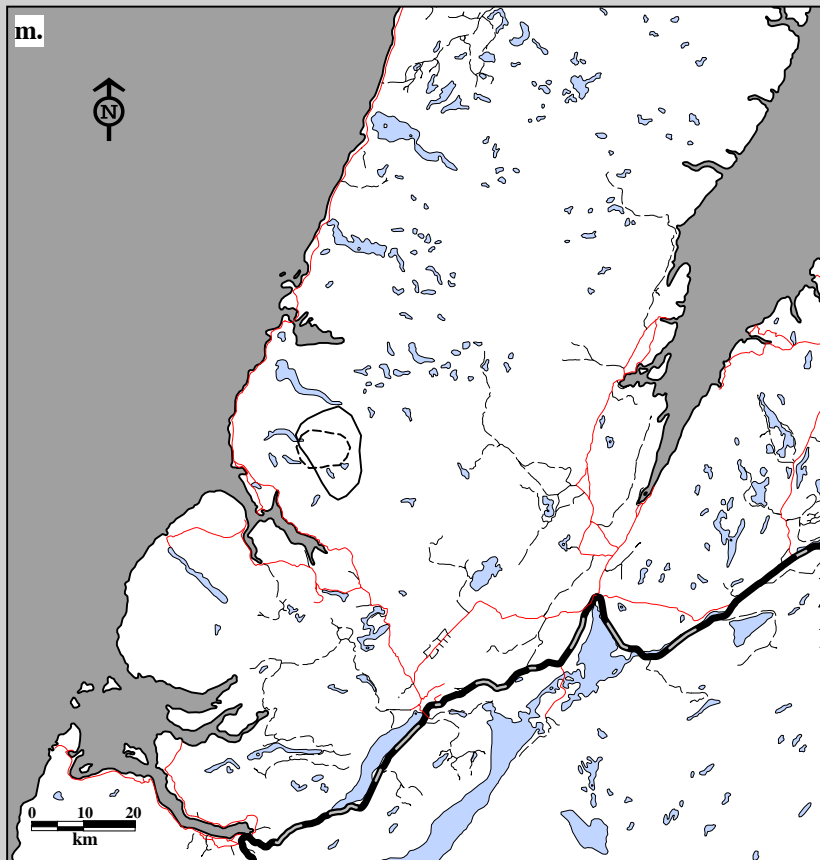


Fig. 8K-9. Gros Morne Caribou Herd Global Positioning System (GPS) locations by sex for July, 1996-98.  
 m. Home ranges using 75% harmonic mean n. Home ranges using 95% minimum convex polygon.  
 Only adults collared.

**Sex**

- Female  
 - - - - - Male

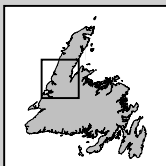
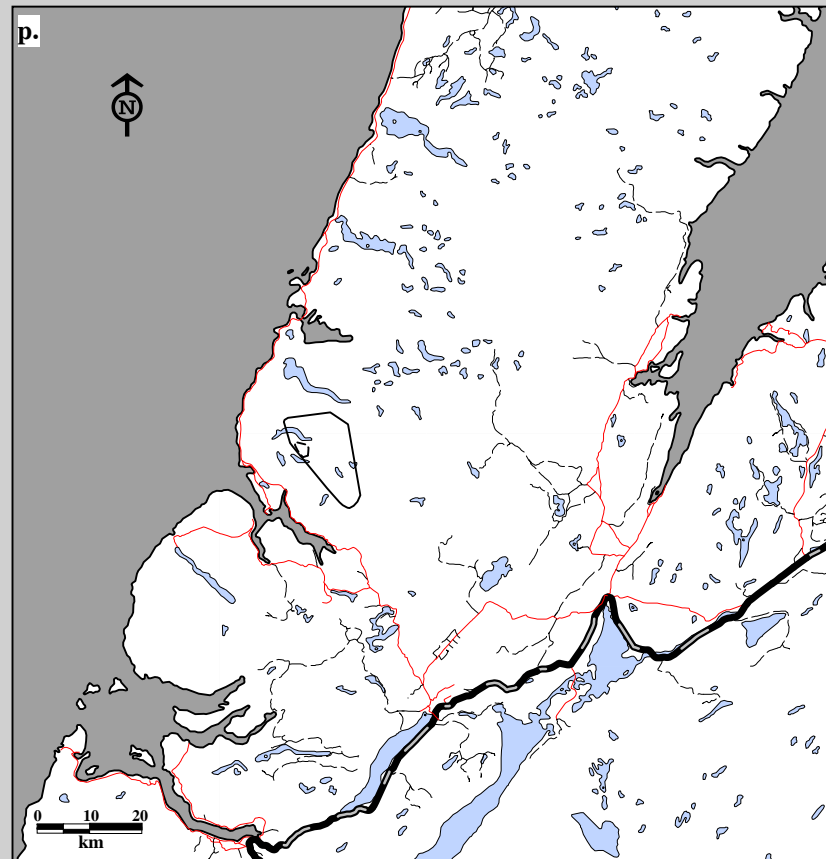
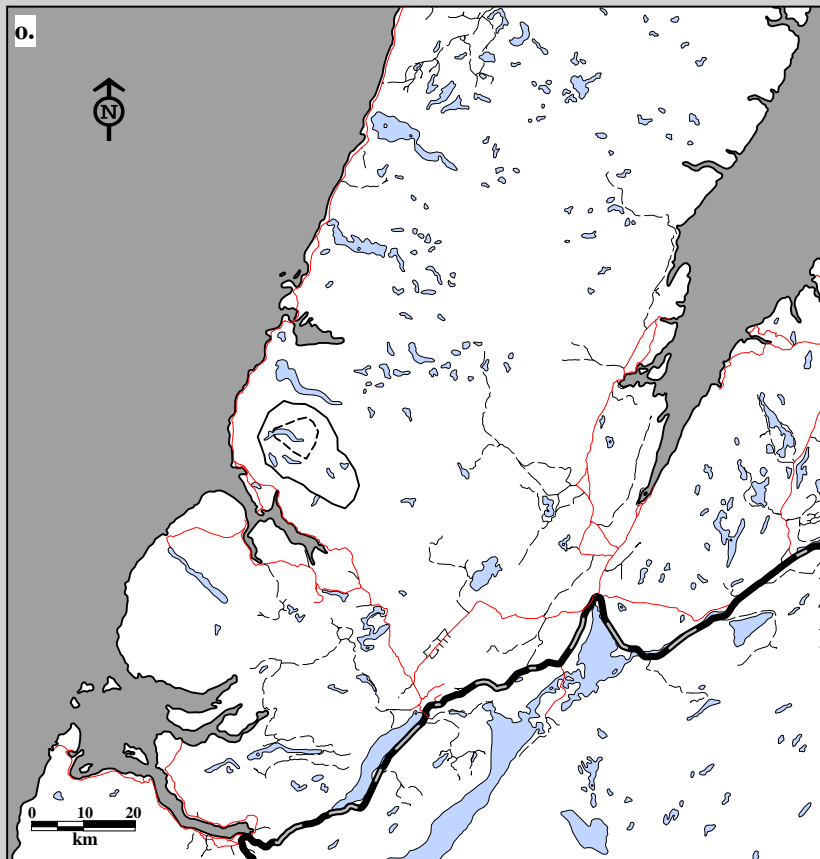
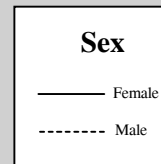


Fig. 8K-9. Gros Morne Caribou Herd Global Positioning System (GPS) locations by sex for August, 1996-98.  
 o. Home ranges using 75% harmonic mean p. Home ranges using 95% minimum convex polygon.  
 Only adults collared.



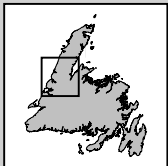
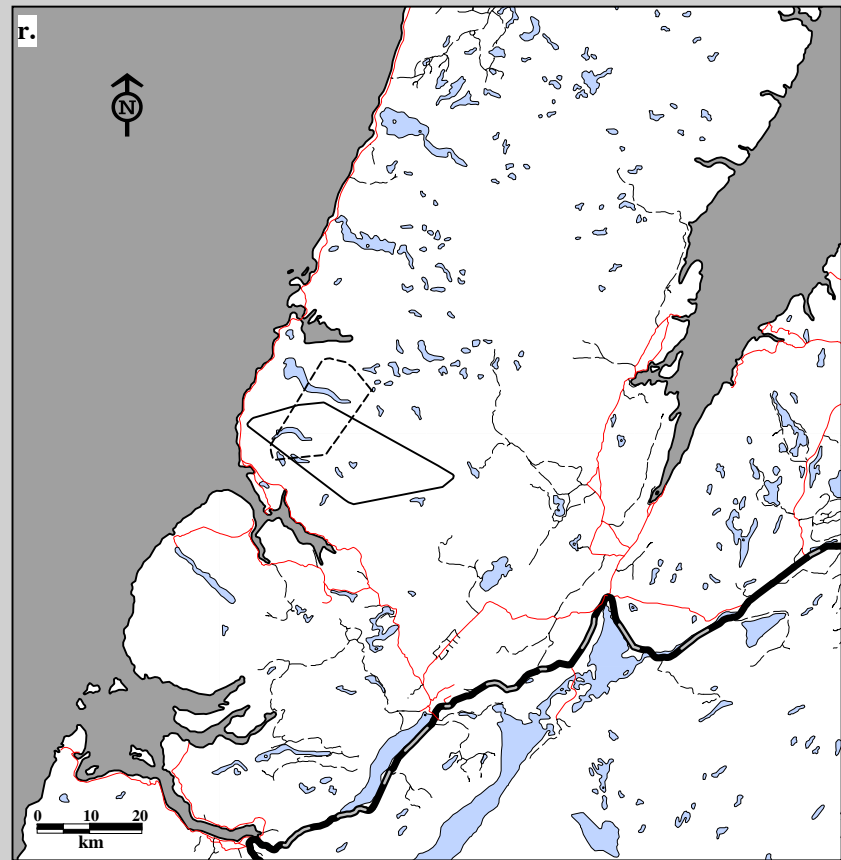
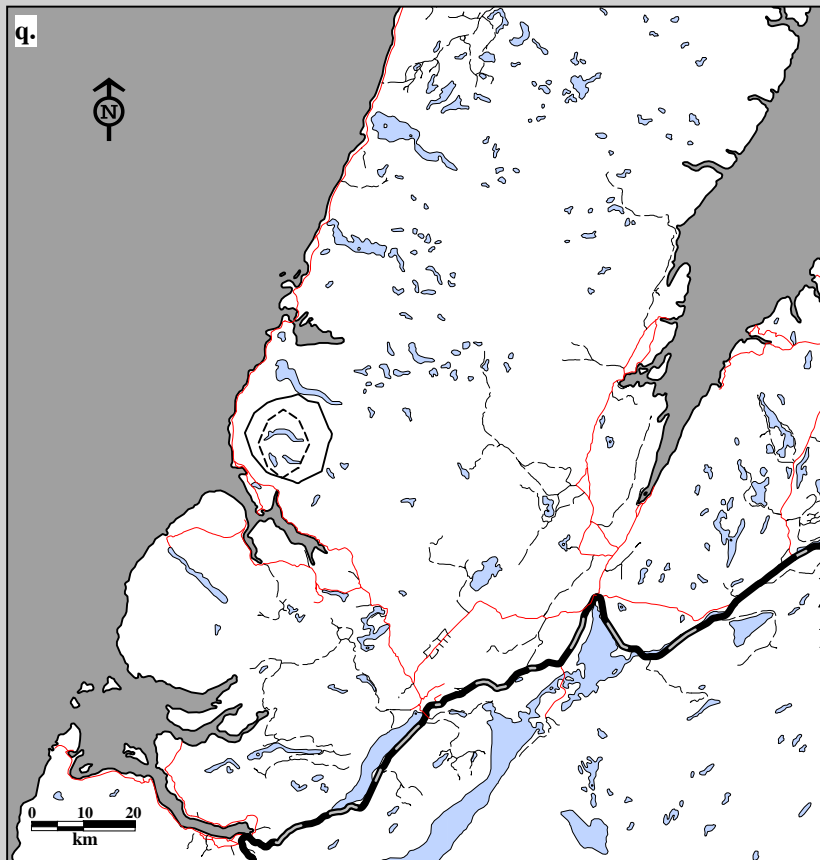


Fig. 8K-9. Gros Morne Caribou Herd Global Positioning System (GPS) locations by sex for September, 1996-98.  
 q. Home ranges using 75% harmonic mean r. Home ranges using 95% minimum convex polygon.  
 Only adults collared.

### Sex

- Female
- - - - Male

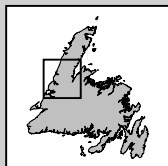
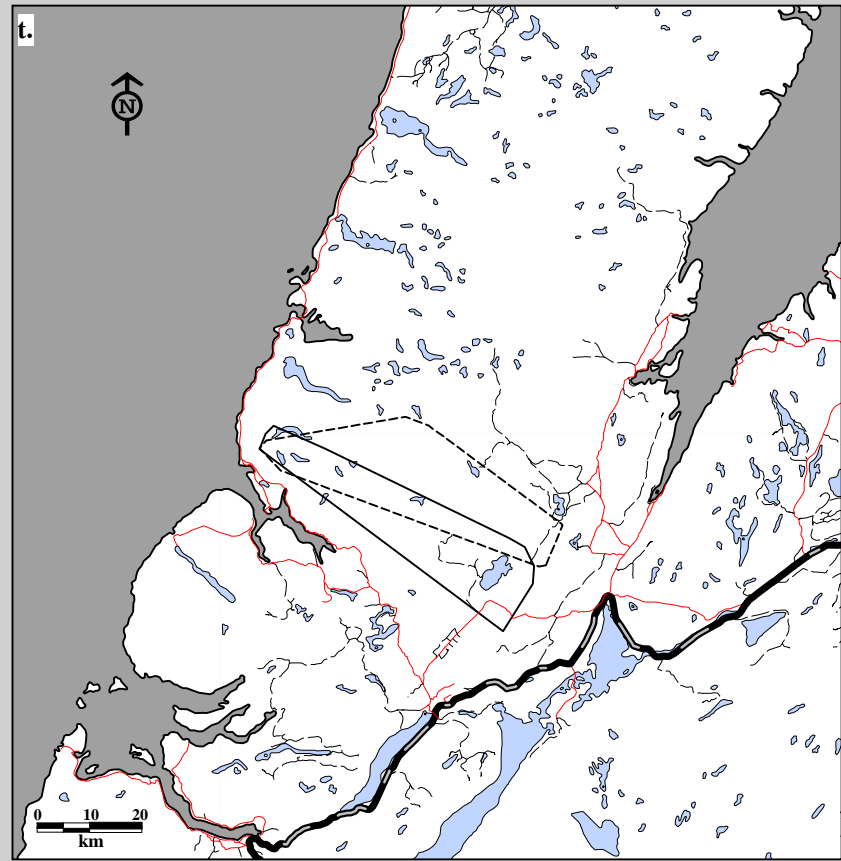
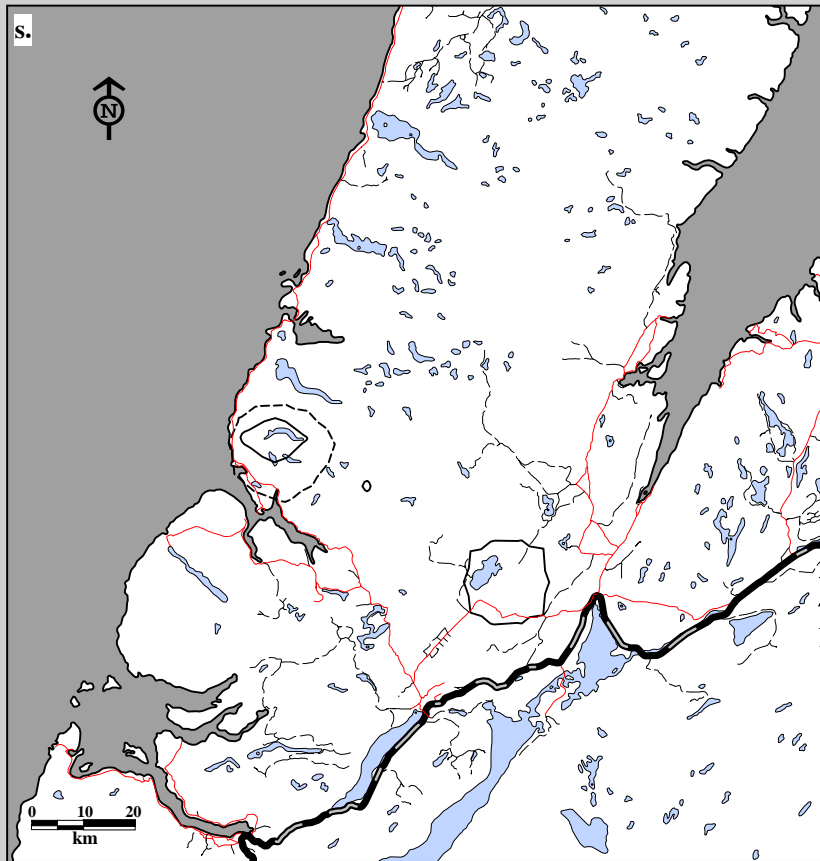
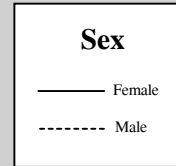


Fig. 8K-9. Gros Morne Caribou Herd Global Positioning System (GPS) locations by sex for October, 1996-98. s. Home ranges using 75% harmonic mean t. Home ranges using 95% minimum convex polygon. Only adults collared.



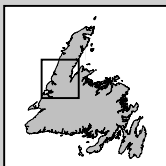
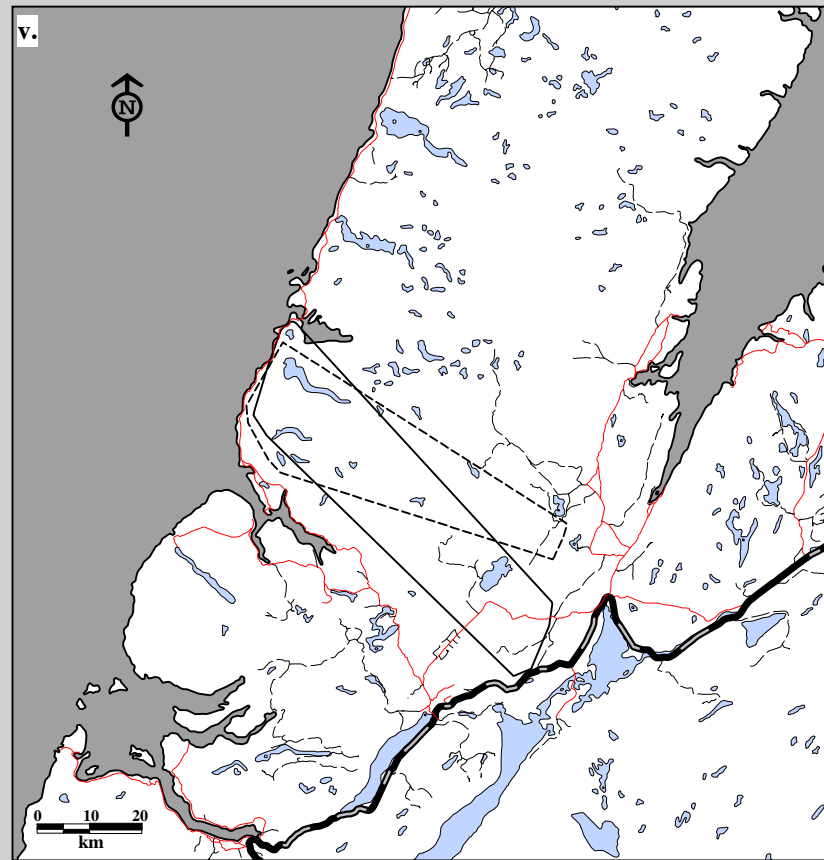
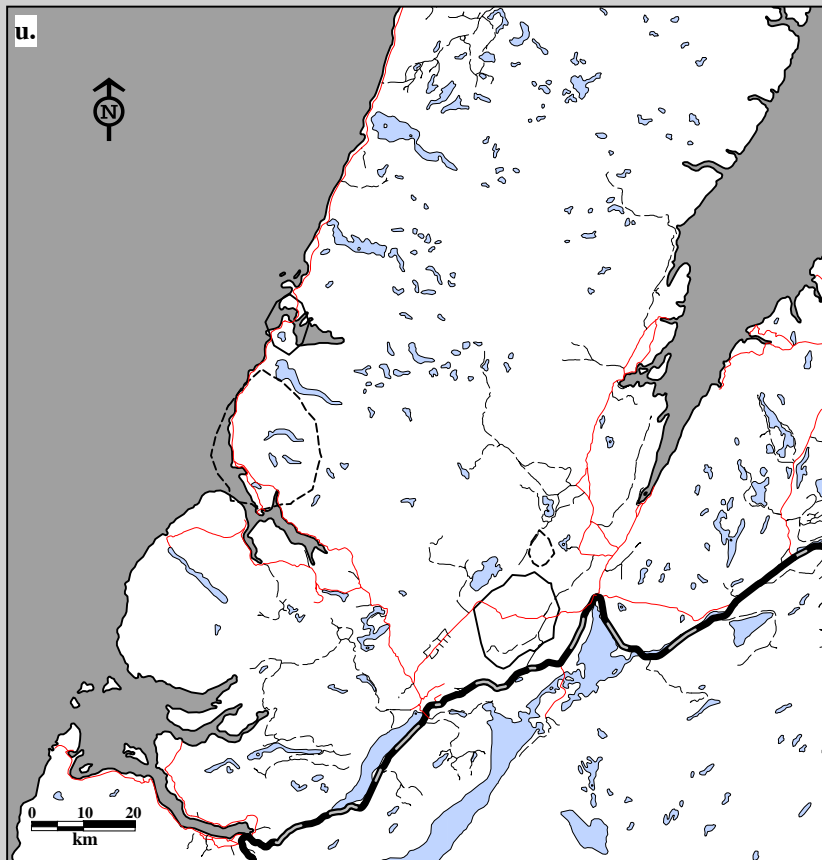
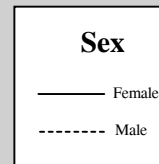


Fig. 8K-9. Gros Morne Caribou Herd Global Positioning System (GPS) locations by sex for November, 1996-98.  
 u. Home ranges using 75% harmonic mean v. Home ranges using 95% minimum convex polygon.  
 Only adults collared.



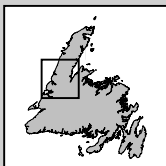
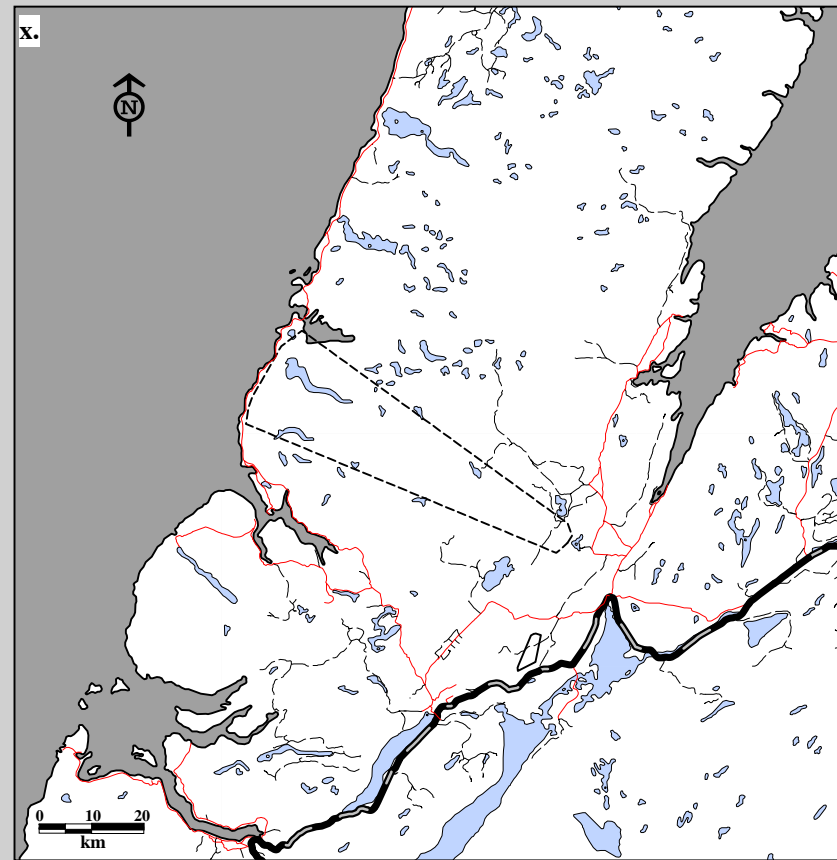
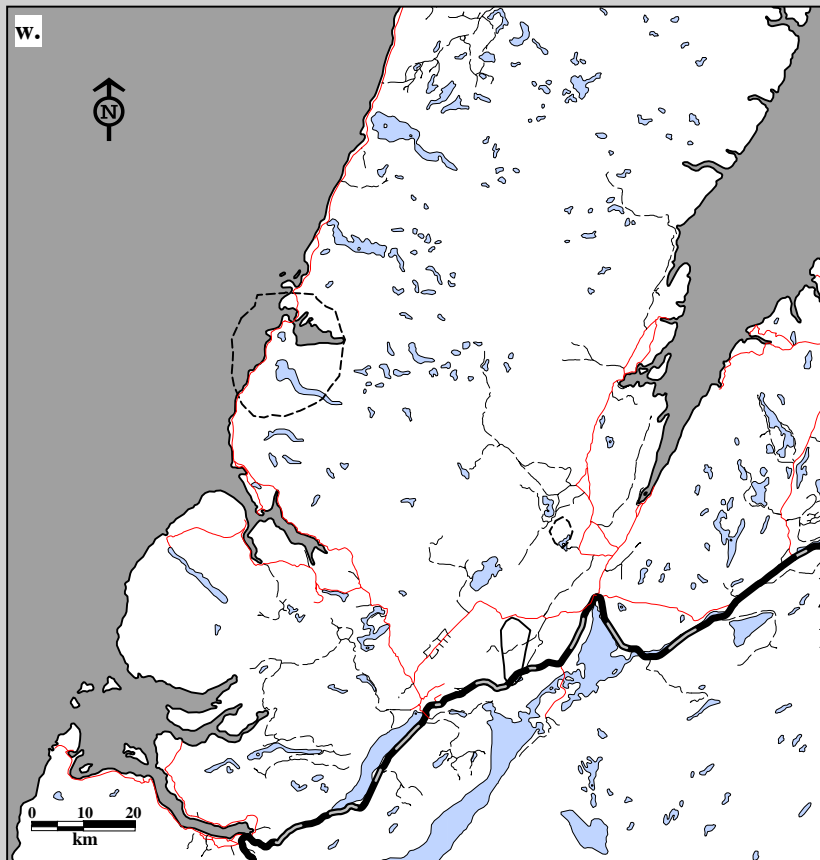


Fig. 8K-9. Gros Morne Caribou Herd Global Positioning System (GPS) locations by sex for December, 1996-98.  
 w. Home ranges using 75% harmonic mean x. Home ranges using 95% minimum convex polygon.  
 Only adults collared.

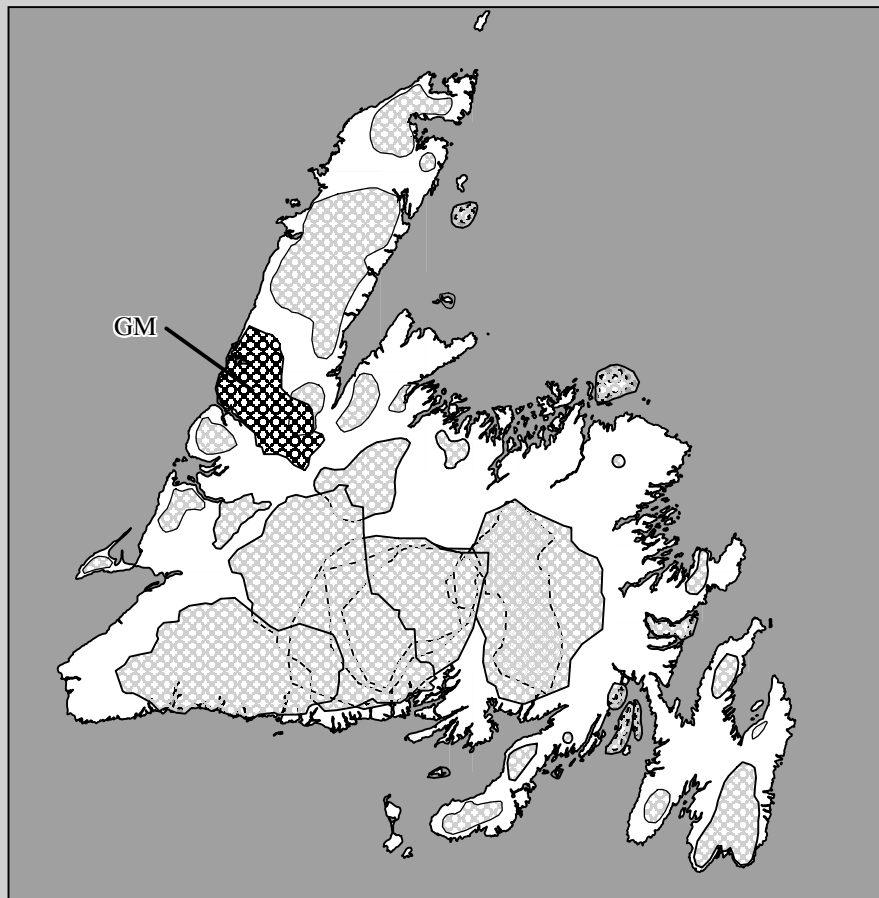
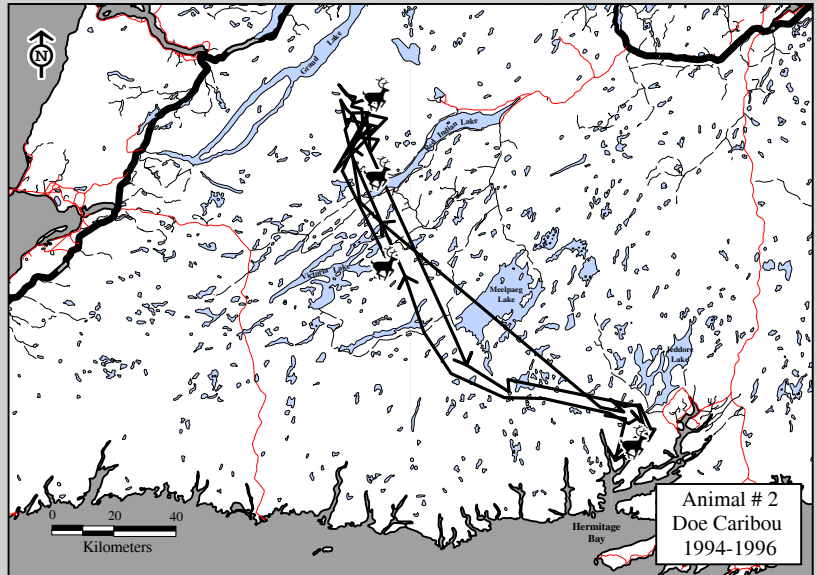
#### Sex

— Female

- - - - - Male



# Section 8L: Global Positioning System Home Ranges of Individual Animals.



## Caribou Herd Gros Morne (GM)



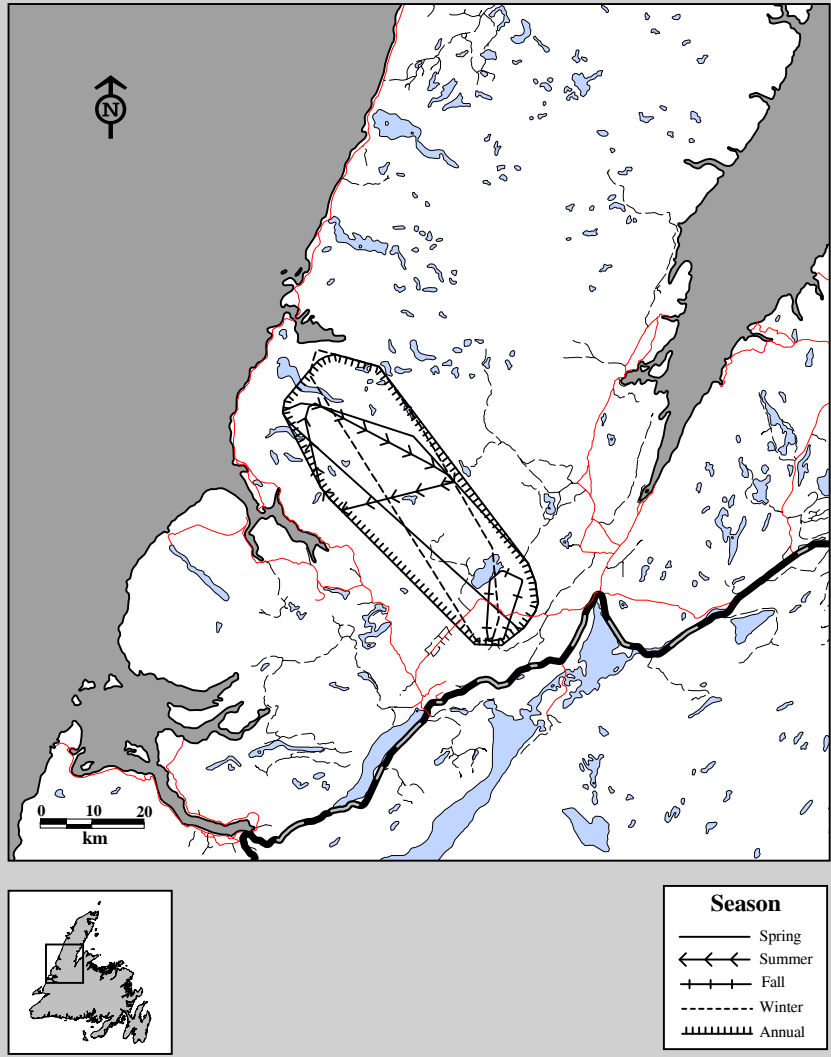


Fig. 8L-1. Seasonal home ranges for Global Positioning System (GPS) data, Gros Morne Caribou CA-035, a female adult for 1997-98, calculated using minimum convex polygon.

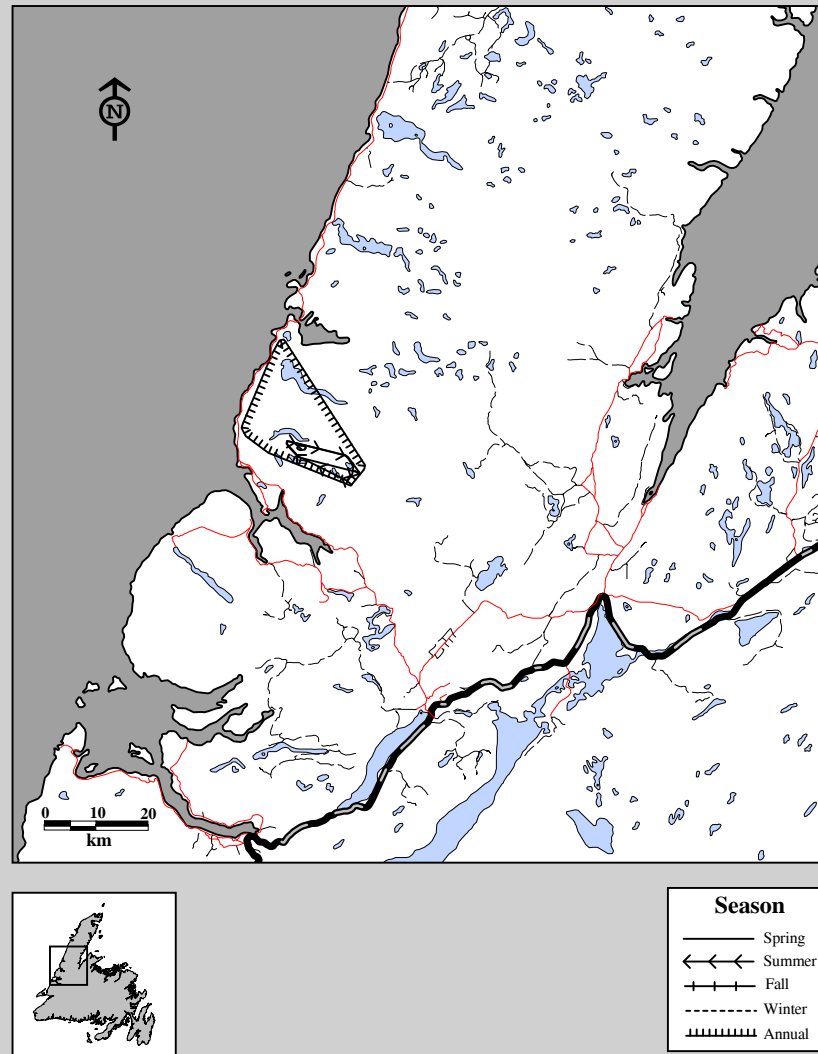


Fig. 8L-2. Seasonal home ranges for Global Positioning System (GPS) data, Gros Morne Caribou CA-038, a female adult for 1997-98, calculated using minimum convex polygon.

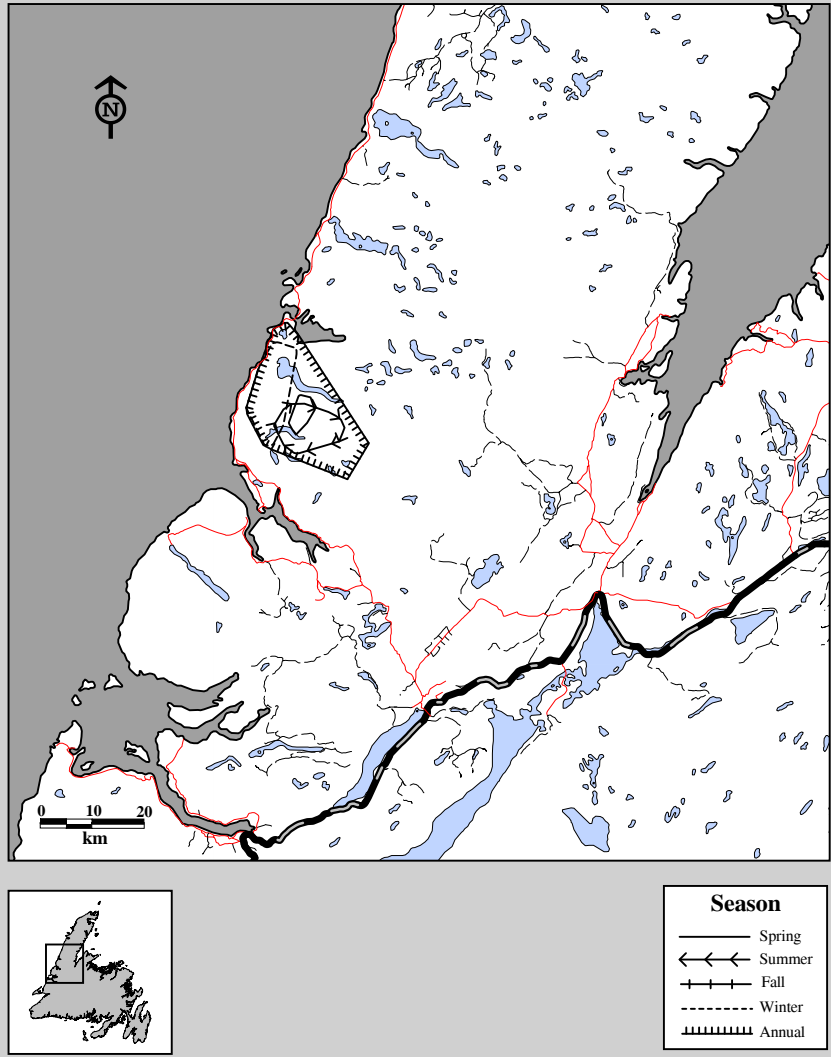
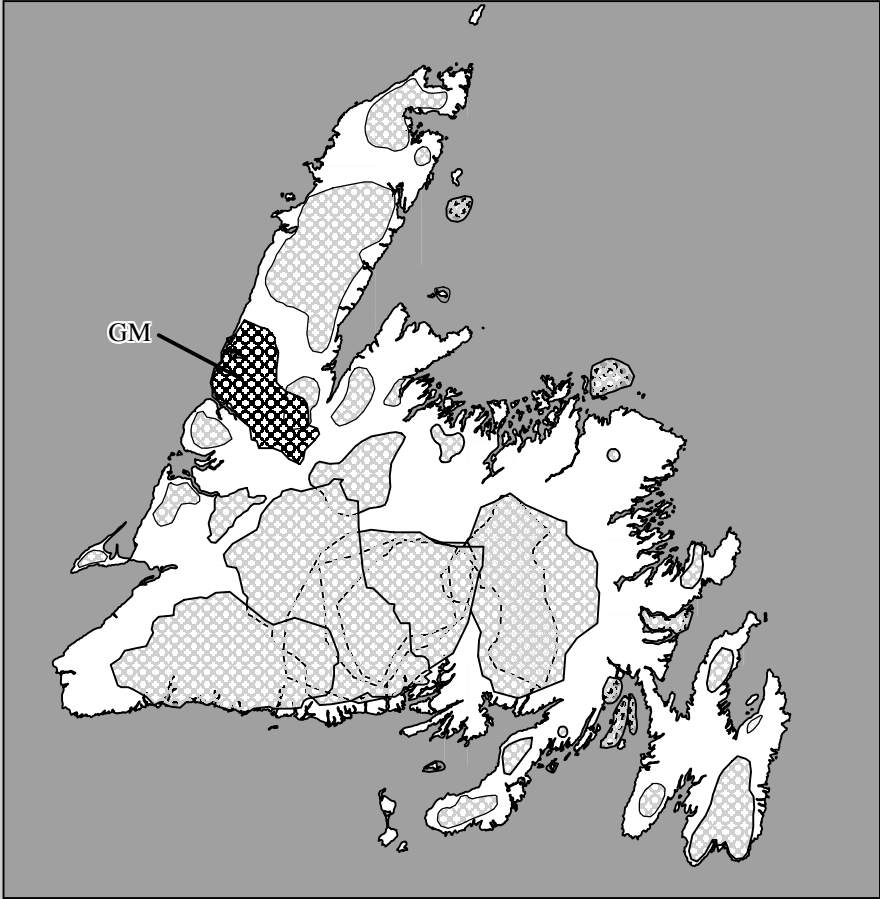
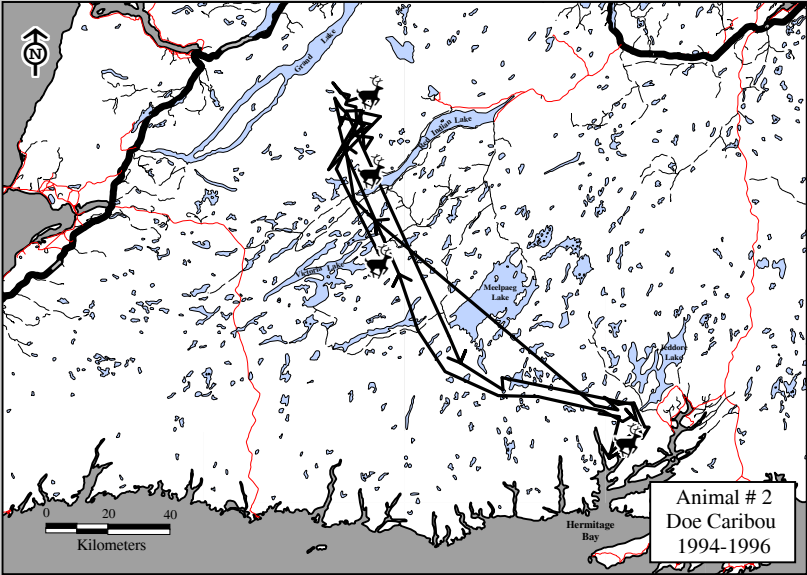


Fig. 8L-3. Seasonal home ranges for Global Positioning System (GPS) data, Gros Morne Caribou CA-043, a female adult for 1997-98, calculated using minimum convex polygon.

**Section 8M:  
Appendix**



**Caribou Herd  
Gros Morne (GM)**

Table 8M-1. Reader's guide to tables, distribution and home range maps based on VHF telemetry data for the Gros Morne Caribou Herd.

<b>Gros Morne Caribou Herd</b>	<b>Page Numbers</b>		
	<b>Section A Tables</b>	<b>Section B Distribution Maps</b>	<b>Section C Home Range Maps</b>
Variables			
All data combined	5	33	215
Sex	6	34	216
Age	7	35	217
Season	8	37	218
Year	5	39	219
Season and Sex	9	42	220
Season and Age	10	46	224
Year and Sex	6	54	228
Year and Age	7	60	232
Year and Season	8	70	236
Year, Sex and Age	12	80	240
Year, Season and Sex	14	96	248
Year, Season and Age	16	114	258
Season, Sex and Age	10	143	268
Sex and Age	12	159	276
Year, Season, Sex and Age	20	163	278
Month and Sex	28	200	283

Table 8M-2. Reader's guide to tables, distribution and home range maps based on ARGOS Satellite telemetry data for the Gros Morne Caribou Herd.

<b>Gros Morne Caribou Herd</b>	<b>Page Numbers</b>		
	<b>Section E Tables</b>	<b>Section F Distribution Maps</b>	<b>Section G Home Range Maps</b>
Variables			
All data combined	301	309	329
Season	302	310	330
Year	301	312	331
Year and Season	302	314	332
Month	303	320	336

Table 8M-3. Reader's guide to tables, distribution and home range maps based on Global Positioning System (GPS) data for the Gros Morne Caribou Herd.

<b>Gros Morne Caribou Herd</b>	<b>Page Numbers</b>		
	<b>Section I Tables</b>	<b>Section J Distribution Maps</b>	<b>Section K Home Range Maps</b>
Variables			
All data combined	365	375	421
Sex	366	376	422
Season	367	377	423
Year	365	379	424
Season and Sex	368	381	425
Year and Sex	366	385	429
Year and Season	367	389	433
Year, Season and Sex	369	495	437
Month and Sex	370	407	447