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

Shane P. Mahoney
Chief of Ecosystem Research and Inventory
December 2000

Diet Composition and Body Condition

Volume 4

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

Final Report
December 2000

VOLUME 4

DIET COMPOSITION AND BODY CONDITION

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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 cliche 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.

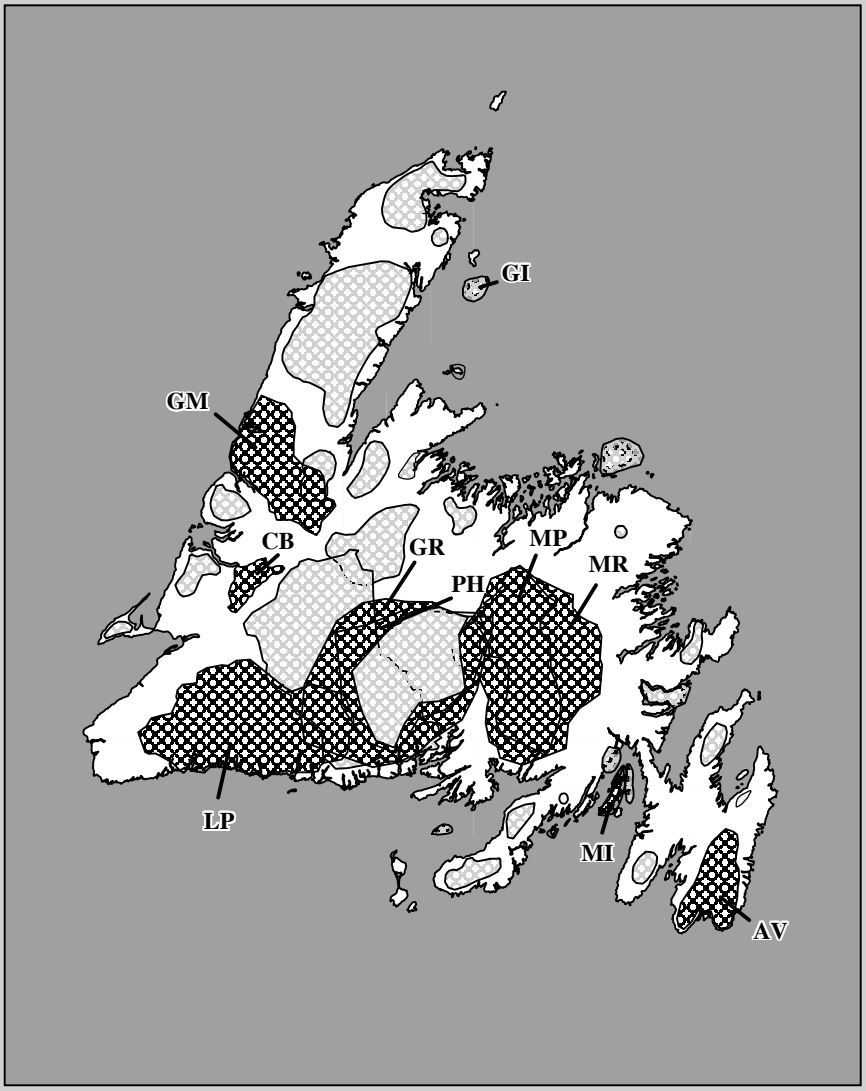
Mr. James Hancock, Director of the Wildlife Division and my supervisor of many years, must also be especially recognized for his early and enduring support of the synthesis project. Mr. Hancock and I have shared many discussions over the years regarding the importance of data analysis and accessibility, 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.

Section 4A:

Forage Composition: Percent Occurrence and Mean Relative Density of Forage Species



Caribou Herds

Avalon (AV)

Corner Brook Lakes (CB)

Grey Islands (GI)

Grey River (GR)

Gros Morne (GM)

La Poile (LP)

Merasheen Island (MI)

Middle Ridge (MR)

Mount Peyton (MP)

Pot Hill (PH)

Table 4A-3. Plant species identified in fecal and rumen samples collected from insular Newfoundland caribou.

Plant group	Plant species	
Arboreal lichens	Alectoria type	
Terrestrial lichens	*Cetraria* *Cladonia*	*Parmelia* *Peltigera*
Mosses	*Sphagnum*	Unknown moss
Graminoids	*Agropyron* *Agrostis* *Bromus* *Calamagrostis* *Carex* *Danthonia* *Eleocharis* *Eriophorum*	*Festuca* *Juncus* *Luzula* *Poa* *Stipa* Unknown grass Unknown sedge
Herbs	*Achillea* *Angelica* *Artemisia* *Asteraceae* *Astragalus* *Boraginaceae* *Brassicaceae* *Cerastium* *Coptis* *Cornus* *Draba*	*Fabaceae* *Liliaceae* *Oenothera* *Rubus chamaemorus* *Saxifraga* *Smilacina* *Solidago* *Stellaria* *Trifolium* Unknown forb
Deciduous shrubs	*Betula* *Nemopanthus* *Populus* *Potentilla* *Rosa* *Rubus*	*Rubus idaeus* *Salix* *Shepherdia* *Spiraea* *Viburnum*
Ericads	*Andromeda* *Arctostaphylos* *Ericaceae* *Gaultheria* *Kalmia* *Kobresia*	*Ledum* *Loiseleuria* *Myrica* *Rhododendron* *Vaccinium*
Other evergreens	*Diapensia*	*Empetrum*
Conifers	*Abies* *Juniperus* *Picea*	*Pinaceae* *Pinus*
Aquatics	*Nuphar*	*Typha*
Others	Bark *Equisetum* Fern	Flower *Lycopodium* Seed

Table 4A-4. Monthly percent occurrence of plant species identified in fecal samples from insular Newfoundland's caribou herds, (1987-1997).

% Occurrence	January	February	March	April	May	June
100.0 - 80.0	*Cladonia* *Ledum*	*Cladonia*	*Cladonia* *Ledum* *Carex*	*Cladonia* *Ledum*	*Cladonia* *Carex*	*Cladonia* *Carex*
79.9 - 50.0	*Empetrum* *Carex* Moss	*Ledum* Moss *Abies* *Carex* *Empetrum*	Moss *Empetrum*	*Carex* Moss *Abies*	Moss *Ledum* *Abies*	*Ledum* Moss *Eriophorum*
49.9 - 25.0	*Andromeda* *Picea* *Arctostaphylos*	*Cetraria* *Andromeda* Alectoria *Betula* *Diapensia*	*Alectoria* *Andromeda* *Abies* *Cetraria* *Picea* *Betula*	*Cetraria* *Salix* *Empetrum*	*Empetrum* *Poa* *R. chamaemorus*	*Rubus chamaemorus* *Salix* *Betula* *Empetrum* *Cornus* unknown forb
24.9 - 0	*Agrostis* seed *Eriophorum* *Loiseleuria* *R. chamaemorus* *Sphagnum* bark Alectoria Conifer grass *Potentilla* *Rubus* *Rubus idaeus* *Bromus* unknown forb *Equisetum* *Juncus* *Juniperus* *Pinus* *Agropyron* *Astragalus* *Draba* *Festuca* *Legume* *Peltigera* *Stellaria* unknown grass *Vaccinium*	Conifer *Picea* *R. chamaemorus* *Salix* Fern *Juniperus* seed *Arctostaphylos* *Peltigera* unknown gras *Sphagnum* *Cornus* *Poa* *Rubus idaeus* *Agrostis* *Cerastium* *Angelica* bark *Composite* *Equisetum* *Nemopanthus* *Pinus* *Smilacina* *Ericaceae* *Juncus* *Nuphar* *Rhododendron* *Rubus* *Spiraea* unknown forb *Vaccinium*	seed Conifer *R. chamaemorus* *Salix* *Diapensia* *Sphagnum* *Arctostaphylos* *Juniperus* *Poa* *Cornus* *Rubus idaeus* *Pinus* *Rubus* bark *Eriophorum* *Peltigera* *Equisetum* Fern *Loiseleuria* unknown forb *Agrostis* *Astragalus* *Eleocharis* *Juncus* *Nemopanthus* *Potentilla* *Rosa* unknown gras *Viburnum*	*Betula* Fern Alectoria *Picea* *Gaultheria* *Andromeda* *Diapensia* *Loiseleuria* *Poa* *Cornus* *Eriophorum* *Sphagnum* Conifer *R. chamaemorus* *Juniperus* seed *Agrostis* *Arctostaphylos* *Peltigera* *Rubus idaeus* unknown grass *Equisetum* *Festuca* *Juncus* *Nuphar* *Potentilla* *Luzula* *Lycopodium* *Nemopanthus* *Rhododendron*	*Cetraria* seed *Agrostis* *Andromeda* Alectoria *Arctostaphylos* *Betula* *Sphagnum* *Rubus idaeus* *Potentilla* Fern *Picea* unknown forb *Cornus* *Equisetum* *Juncus* *Salix* *Agropyron* Conifer *Eriophorum* *Festuca* *Pinus* *Trifolium* *Astragalus* *Bromus* *Cerastium* *Juniperus* *Nemopanthus* unknown grass bark *Composite* *Diapensia* *Eleocharis* *Nuphar* *Rhododendron* *Rubus* *Saxifraga* *Shepherdia* *Spiraea*	*Sphagnum* *Cetraria* *Andromeda* *Rubus idaeus* *Rhododendron* Alectoria *Abies* unknown grass *Juniperus* *Picea* *Poa* Fern *Ericaceae* *Diapensia* *Juncus* *Pinus* *Equisetum* seed bark *Bromus* *Eleocharis* *Peltigera* *Agrostis* *Composite* *Festuca* *Nemopanthus* *Achillea* *Angelica* *Arctostaphylos* Conifer *Kalmia* *Nuphar* *Astragalus* *Calamagrostis* *Cerastium* *Gaultheria* *Loiseleuria* *Luzula* *Lycopodium* *Myrica* *Potentilla* *Spiraea* *Viburnum*

Table 4A-4 (con'd). Monthly percent occurrence of plant species identified in fecal samples from insular Newfoundland's caribou herds, 1987-1997.

% Occurrence	July	August	September	October	November	December
100.0 - 80.0	*Carex* *R. chamaemorus* *Cladonia*	*R. chamaemorus* *Carex* *Cladonia*	*Cladonia*	*Cladonia*	*Cladonia* *Ledum*	*Cladonia* *Ledum*
79.9 - 50.0	*Cornus* *Salix* *Ledum*	*Salix* *Cornus* *Ledum*	*Carex* *R. chamaemorus* *Ledum* Moss	*Ledum* *Carex* Moss *Empetrum*	*Empetrum* Moss *R. chamaemorus* *Carex*	Moss *Empetrum* *Carex*
49.9 - 25.0	*Betula* *Rubus idaeus* *Picea* Moss *Sphagnum*	*Betula* *Rubus idaeus* Moss Alectoria	*Cornus* *Rubus idaeus* *Nemopanthus* *Salix* seed *Juniperus* *Abies* *Cetraria*	*R. chamaemorus* *Betula* *Salix* *Cornus* *Sphagnum* bark *Picea*	*Cetraria* *Cornus* *Abies* *Picea* *Andromeda* *Rubus idaeus*	*Andromeda* *Abies* *Salix* *Cetraria*
24.9 - 0	*Alectoria* *Empetrum* *Juncus* *Poa* unknown grass *Cetraria* *Abies* seed *Ericaceae* *Andromeda* *Equisetum* *Eriophorum* unknown forb *Bromus* bark Fern *Rhododendron* *Arctostaphylos* *Agrostis* *Diapensia* *Luzula* *Nuphar* *Peltigera* Conifer *Juniperus* *Astragalus* *Composite* *Smilacina* *Calamagrostis* *Cerastium* Flower *Nemopanthus* *Pinus* *Potentilla* *Rosa*	*Picea* seed *Sphagnum* *Cetraria* unknown forb Fern *Abies* *Poa* unknown grass *Juncus* *Bromus* *Empetrum* *Ericaceae* *Eriophorum* Conifer *Rhododendron* *Smilacina* bark *Composite* *Equisetum* *Luzula* *Nemopanthus* *Nuphar* *Arctostaphylos* *Calamagrostis* Flower *Pinus* *Shepherdia* *Agrostis* *Andromeda* *Angelica* *Cerastium* *Diapensia* *Kobresia* *Legume* *Loiseleuria* *Peltigera* *Potentilla* *Stipa* *Trifolium* *Viburnum*	Alectoria *Picea* *Betula* *Poa* Fern Conifer *Sphagnum* unknown forb *Diapensia* *Empetrum* *Bromus* *Arctostaphylos* bark *Nuphar* *Potentilla* *Eriophorum* unknown grass *Juncus* *Smilacina* *Andromeda* grass *Pinus* *Rhododendron* *Agrostis* *Shepherdia* *Typha* *Angelica* *Astragalus* *Borage* *Brassicaceae* *Danthonia* *Equisetum* *Festuca* *Legume* *Liliaceae* *Lycopodium* *Oenothera* *Peltigera* *Populus* *Rubus* *Solidago* *Viburnum*	*Abies* *Cetraria* *Equisetum* *Rubus idaeus* *Poa* *Andromeda* *Diapensia* *Eriophorum* seed unknown forb *Arctostaphylos* *Draba* *Nemopanthus* Conifer *Potentilla* Alectoria Fern *Nuphar* *Pinus* *Juncus* *Shepherdia* *Vaccinium* *Agrostis* *Angelica* *Borage* *Ericaceae* *Rubus* unknown gras *Agropyron* *Bromus* *Danthonia* *Festuca* *Loiseleuria* *Myrica* *Peltigera* *Rosa* *Saxifraga* *Spiraea* unknown sedg	bark *Betula* *Arctostaphylos* unknown forb *Diapensia* *Salix* *Sphagnum* Conifer Alectoria *Equisetum* Fern *Poa* *Agrostis* *Juniperus* *Juncus* unknown grass *Bromus* *Danthonia* *Loiseleuria* *Nuphar* *Peltigera* *Potentilla* *Vaccinium* *Eriophorum* seed *Achillea* *Angelica* *Cerastium* *Composite* *Coptis* grass *Nemopanthus* *Pinus* *Rhododendron* *Rubus* *Solidago*	*Rubus idaeus* *Eriophorum* *Betula* *Diapensia* Fern *Cornus* *Picea* *R. chamaemorus* *Sphagnum* Alectoria bark *Agrostis* *Poa* *Arctostaphylos* *Vaccinium* *Gaultheria* *Juniperus* Conifer *Loiseleuria* *Equisetum* seed unknown forb *Angelica* *Composite* *Festuca* grass *Pinus* *Rhododendron* *Bromus* *Draba* *Ericaceae* *Legume* *Nemopanthus* *Potentilla* *Shepherdia* *Typha* unknown grass

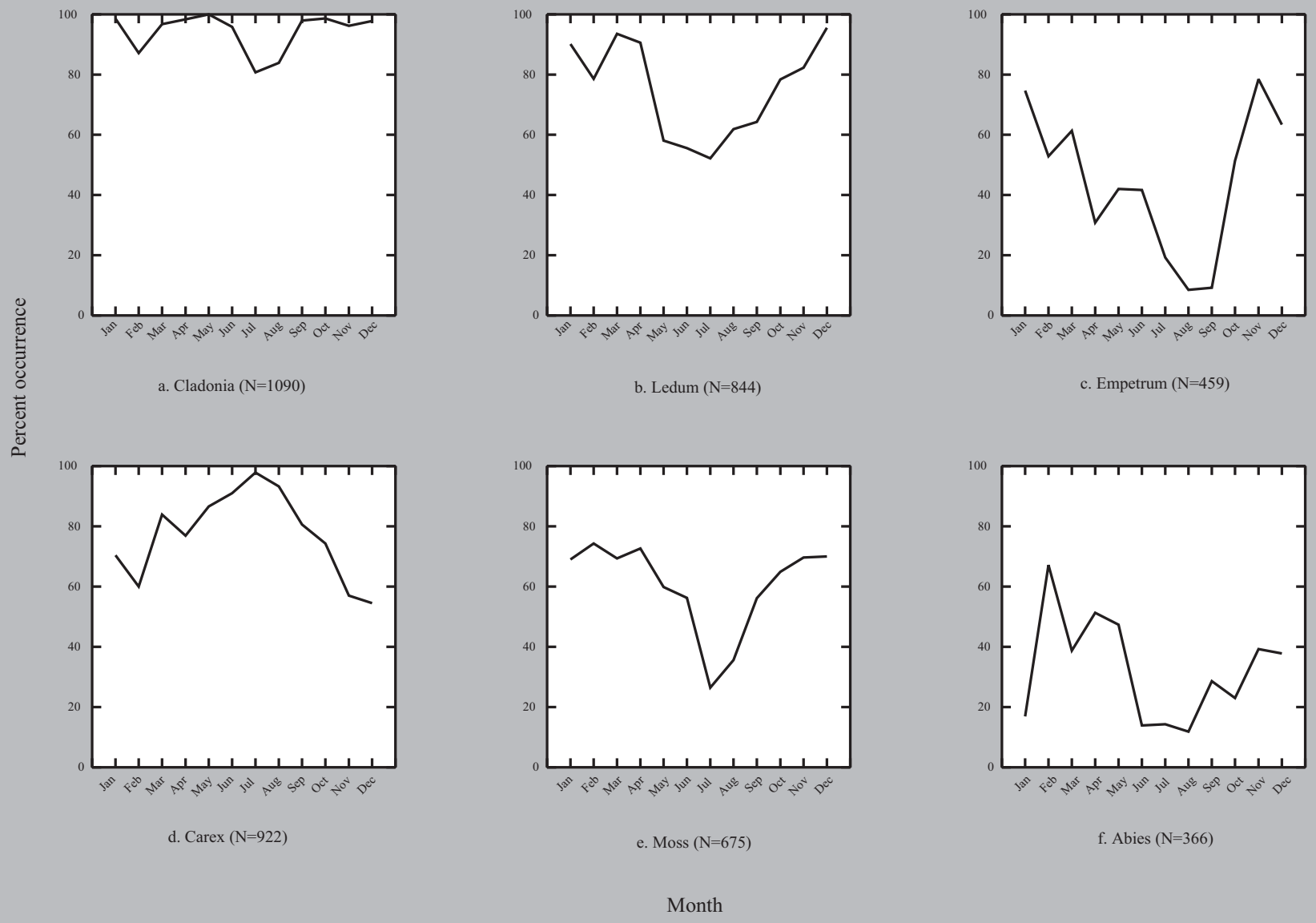


Fig. 4A-1. Monthly changes in the percent occurrence of plant species in caribou fecal samples. Trends are shown only for plant species with an occurrence greater than 25% in at least one month. Data are for all insular Newfoundland caribou herds combined, 1987-1997.

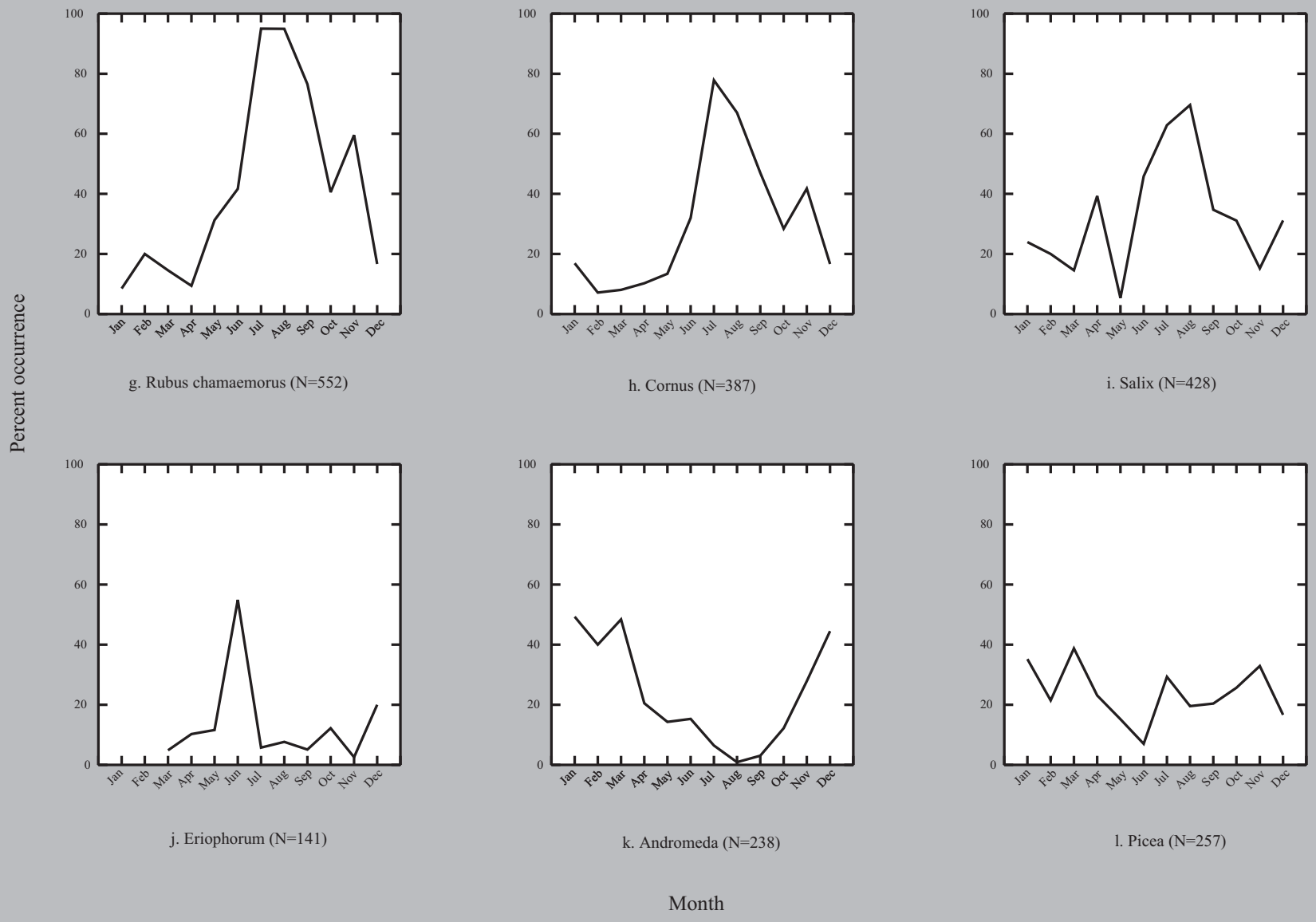


Fig. 4A-1(con'd). Monthly changes in the percent occurrence of plant species in caribou fecal samples. Trends are shown only for plant species with an occurrence greater than 25% in at least one month. Data are for all insular Newfoundland caribou herds combined, 1987-1997.

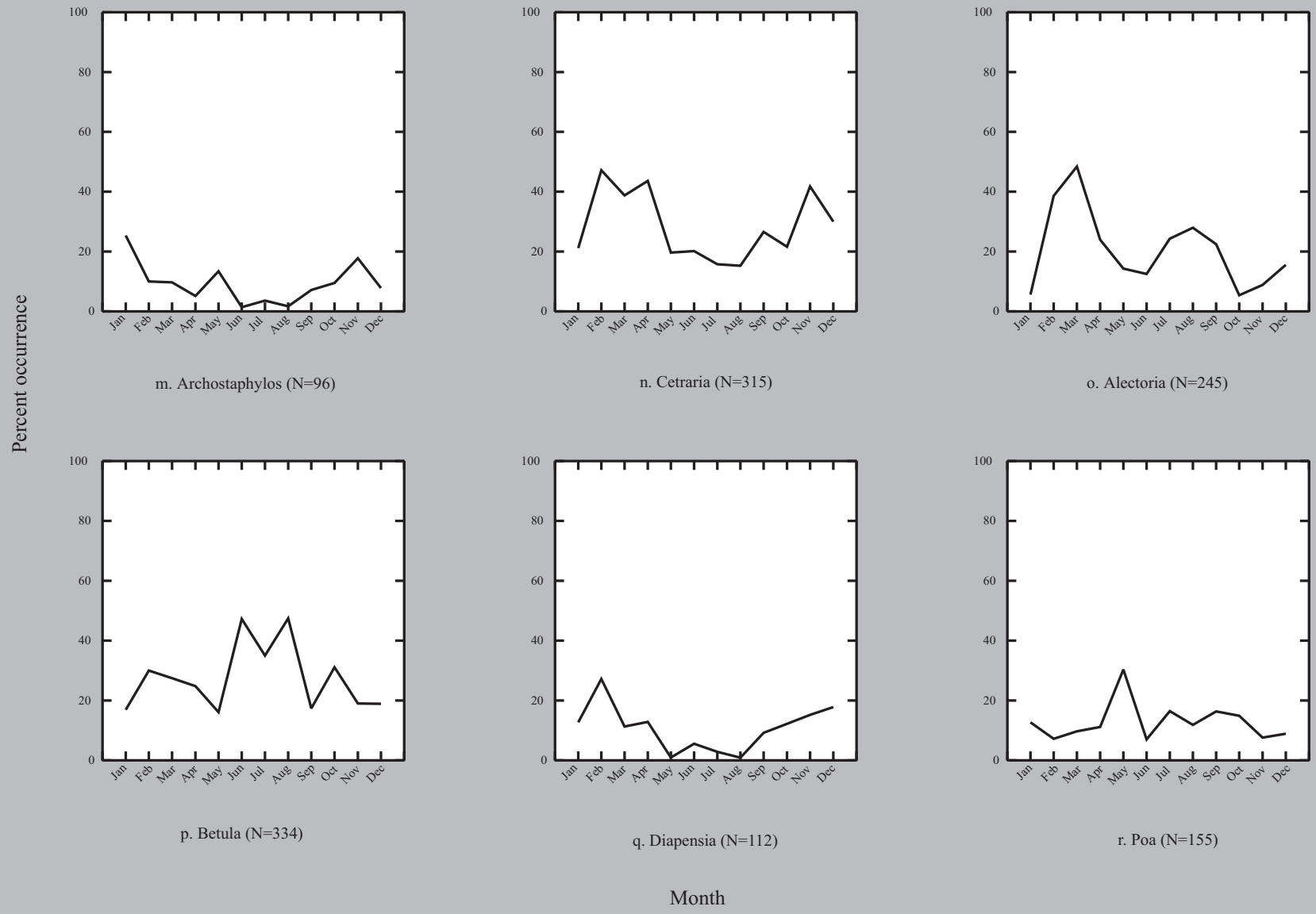


Fig. 4A-1(con'd). Monthly changes in the percent occurrence of plant species in caribou fecal samples. Trends are shown only for plant species with an occurrence greater than 25% in at least one month. Data are for all insular Newfoundland caribou herds combined, 1987-1997.

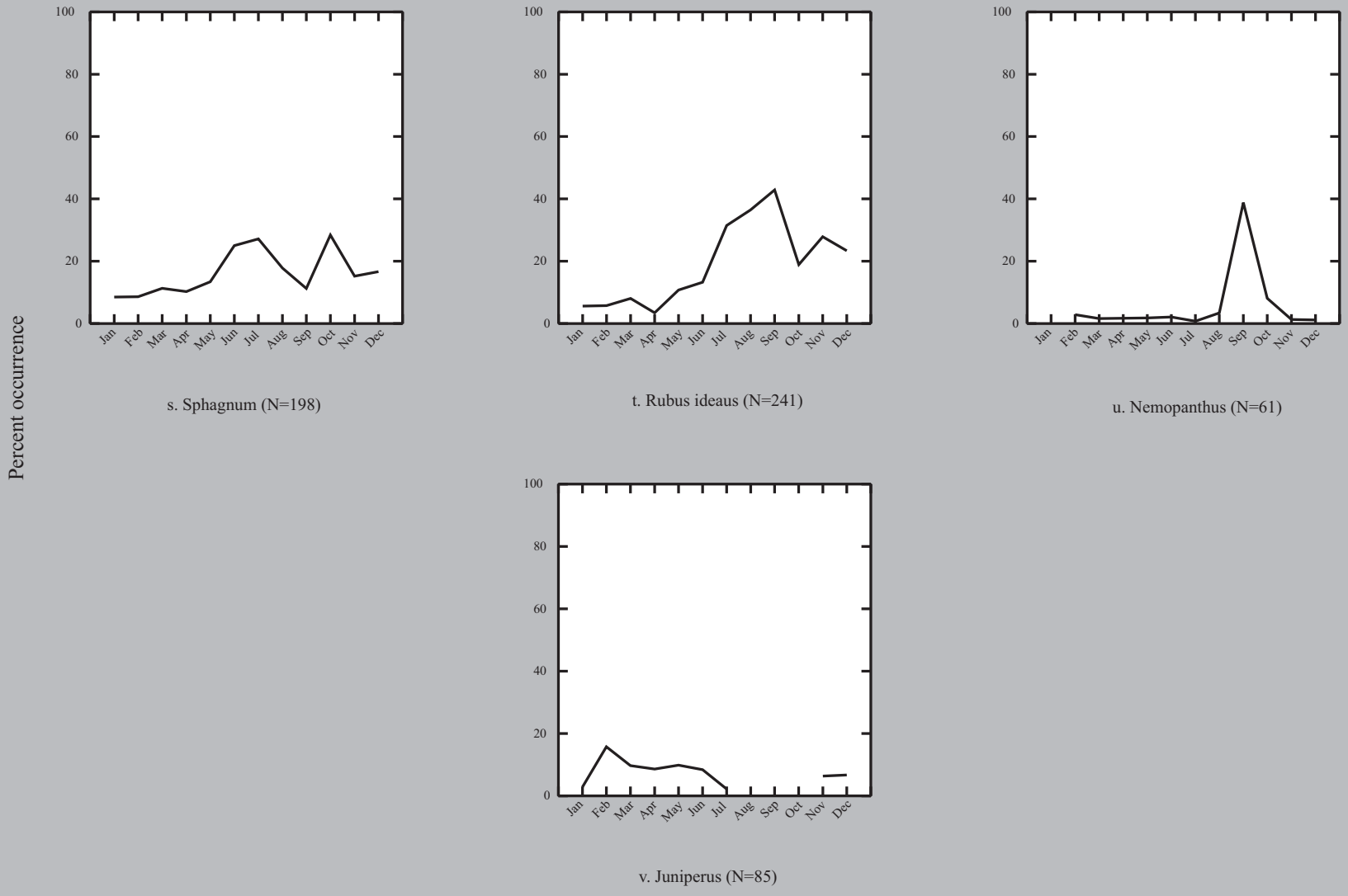


Fig. 4A-1(con'd). Monthly changes in the percent occurrence of plant species in caribou fecal samples. Trends are shown only for plant species with an occurrence greater than 25% in at least one month. Data are for all insular Newfoundland caribou herds combined, 1987-1997.

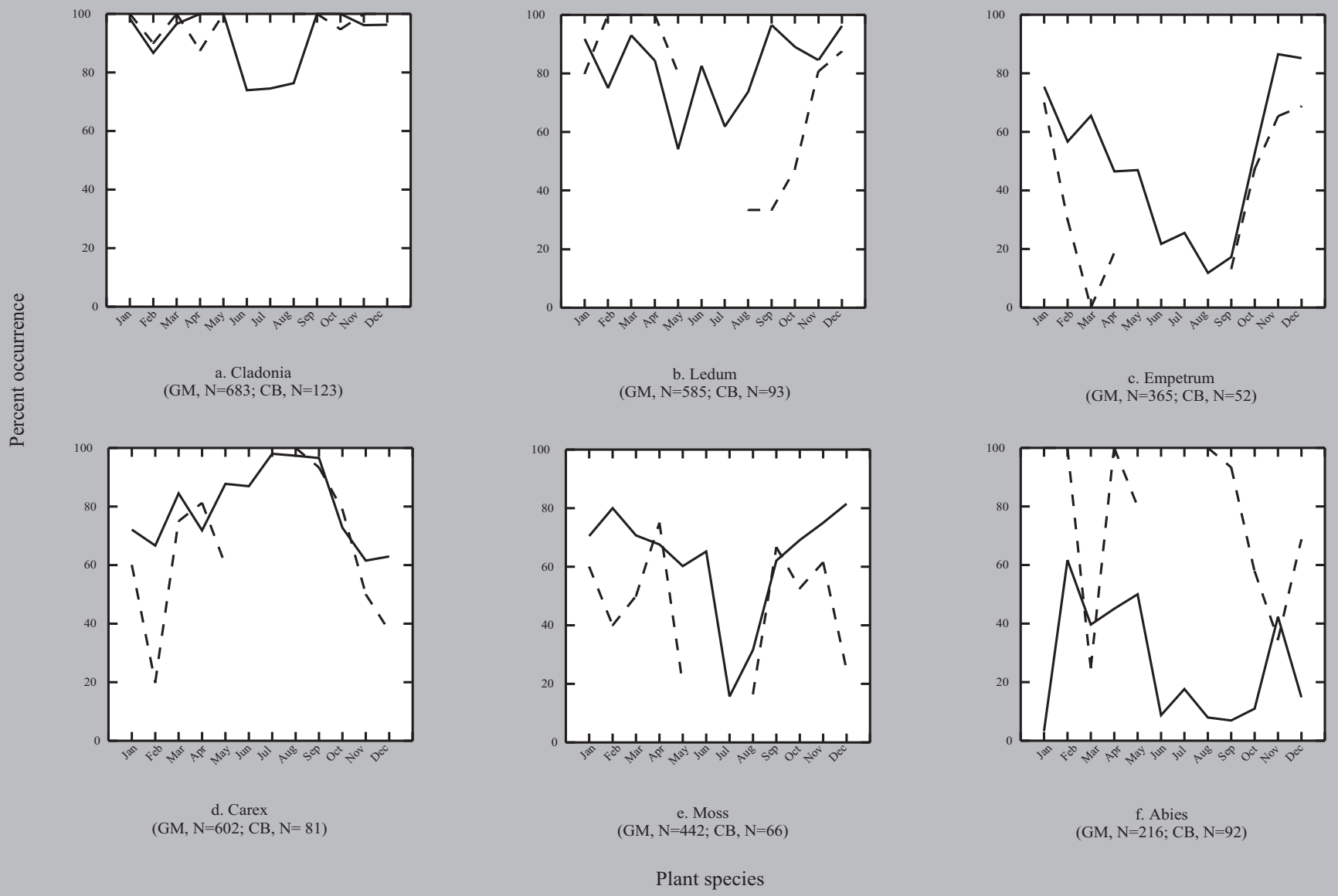


Fig. 4A-2. Monthly changes in the percent occurrence of plant species in caribou fecal samples collected from the Gros Morne and Corner Brook Lakes herds. Trends are shown only for plant species with an occurrence greater than 25% in at least one month. Caribou Herd: ——— Gros Morne (GM); — — Corner Brook Lakes (CB). No samples were collected from Corner Brook Lakes in June or July.

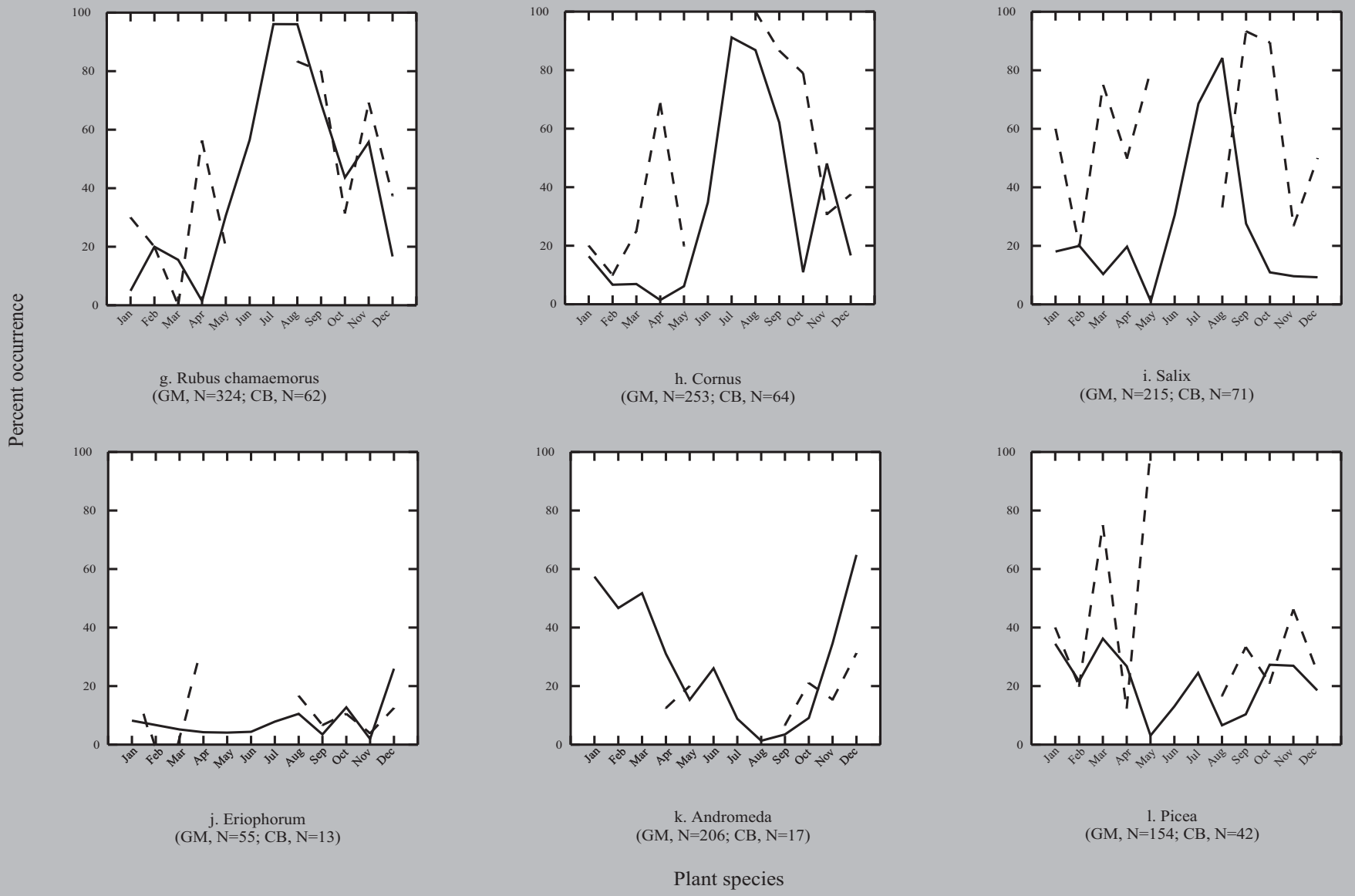


Fig. 4A-2 (con'd). Monthly changes in the percent occurrence of plant species in caribou fecal samples collected from the Gros Morne and Corner Brook Lakes herds. Trends are shown only for plant species with an occurrence greater than 25% in at least one month. Caribou Herd: ——— Gros Morne (GM); — — Corner Brook Lakes (CB). No samples were collected from Corner Brook Lakes in June or July.

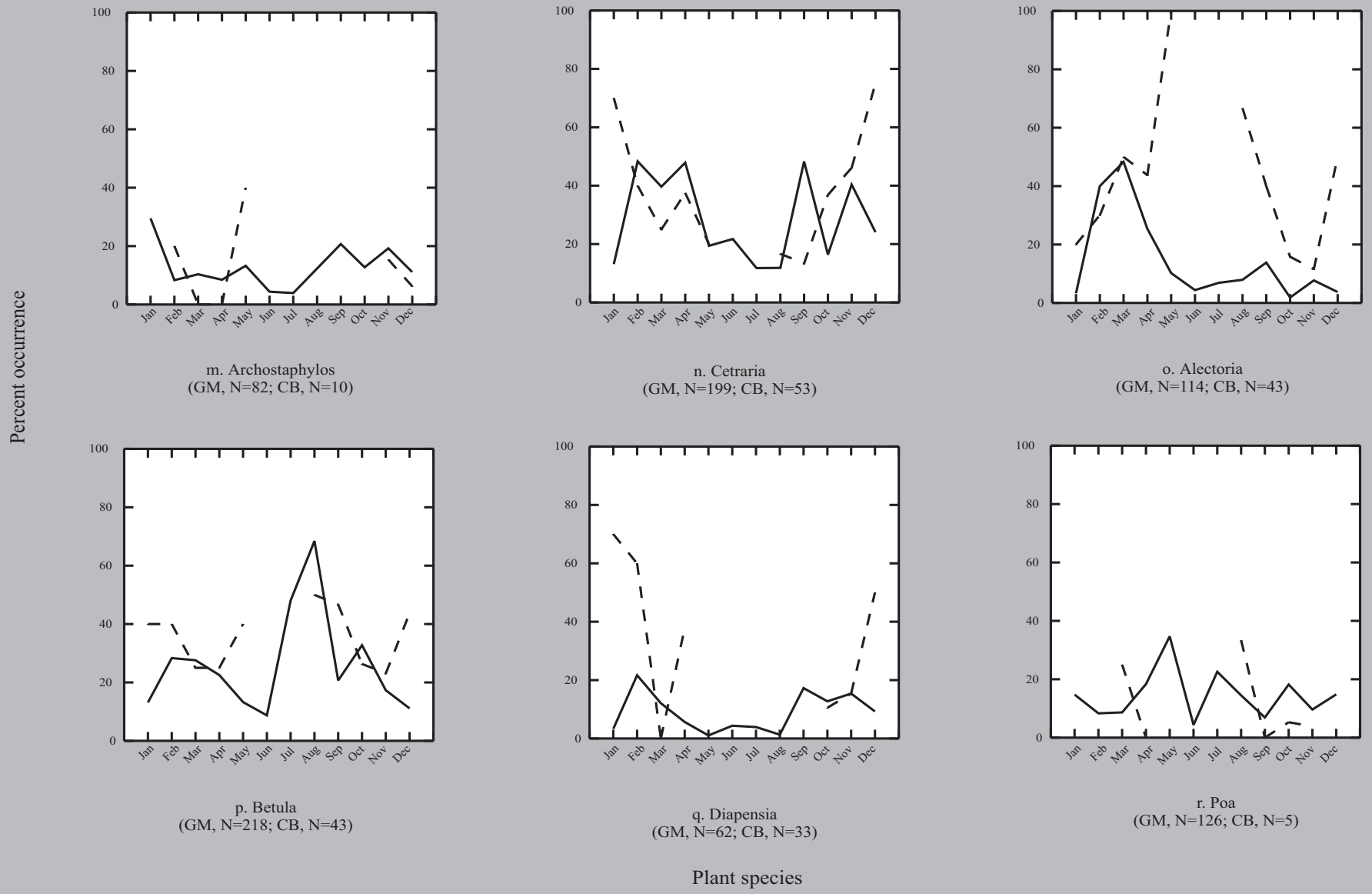


Fig. 4A-2 (con'd). Monthly changes in the percent occurrence of plant species in caribou fecal samples collected from the Gros Morne and Corner Brook Lakes herds. Trends are shown only for plant species with an occurrence greater than 25% in at least one month. Caribou Herd: ——— Gros Morne (GM); — — Corner Brook Lakes (CB). No samples were collected from Corner Brook Lakes in June or July.

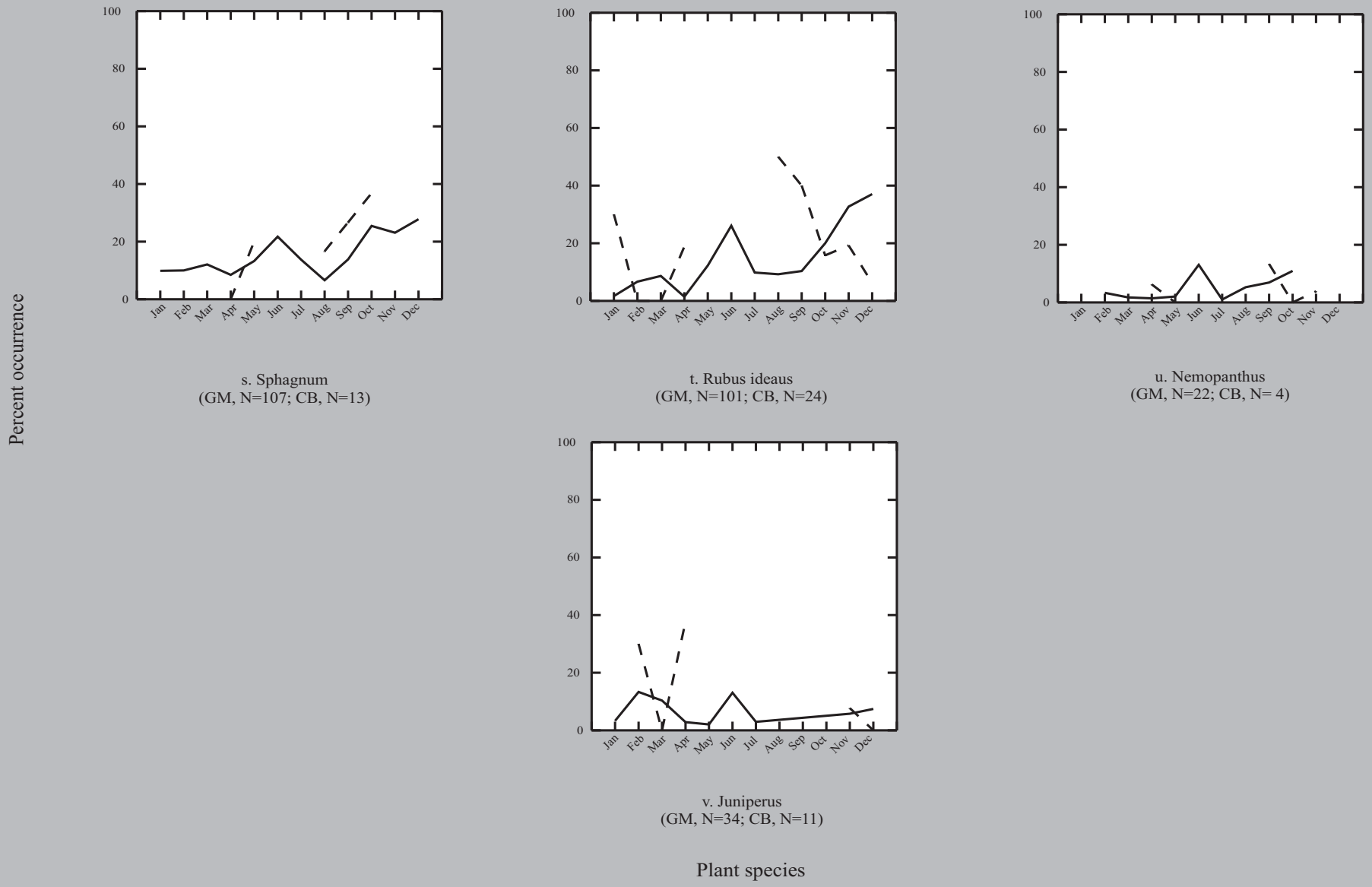


Fig. 4A-2 (con'd). Monthly changes in the percent occurrence of plant species in caribou fecal samples collected from the Gros Morne and Corner Brook Lakes herds. Trends are shown only for plant species with an occurrence greater than 25% in at least one month. Caribou Herd: ——— Gros Morne (GM); — — Corner Brook Lakes (CB). No samples were collected from Corner Brook Lakes in June or July.

Table 4A-5. Among herd statistical comparisons by month of percent occurrence of plant species found in fecal samples collected from insular Newfoundland caribou. Model II single factor ANOVA was used to test for significant correlations in percent occurrence among herds. Data were transformed to meet the assumptions of normality. Comparisons were made only for plant species with a percent occurrence of greater than 25% in at least one month: *Abies, Alectoria, Andromeda, Arctostaphylos, Betula, Carex, Cetraria, Cladonia, Cornus, Diapensia, Empetrum, Eriophorum, Juniperus, Ledum, Moss, Picea, Poa, Rubus chamaemorus, Rubus ideaus, Salix, Sphagnum.*

Month	**Herds Compared**	**Fecal Samples Collected**	**n**	**r**	**p**
January	Corner Brook Lakes	10	2	0.818	0.047
	Gros Morne	61			
February	Corner Brook Lakes	10	2	0.898	0.001
	Gros Morne	61			
March	Corner Brook Lakes	4	2	0.898	0.001
	Gros Morne	58			
April	Corner Brook Lakes	16	4	0.868	0.000
	Grey Islands	10			
	Gros Morne	71			
	Middle Ridge	20			
May	Corner Brook Lakes	5	2	0.800	0.082
	Gros Morne	98			
June	Avalon	39	5	0.800	0.000
	Gros Morne	23			
	Middle Ridge	32			
	Mount Peyton	34			
	Pot Hill	16			
July	Gros Morne	102	2	0.878	0.003
	Middle Ridge	38			
August	Corner Brook Lakes	6	3	0.864	0.000
	Gros Morne	76			
	Middle Ridge	36			
September	Corner Brook Lakes	15	4	0.802	0.000
	Gros Morne	29			
	Merasheen Islands	50			
	Middle Ridge	4			

Table 4A-5 (con'd). Among herd statistical comparisons by month of percent occurrence of plant species found in fecal samples collected from insular Newfoundland caribou. Model II single factor ANOVA was used to test for significant correlations in percent occurrence among herds. Data were transformed to meet the assumptions of normality. Comparisons were made only for plant species with a percent occurrence of greater than 25% in at least one month: *Abies, Alectoria, Andromeda, Arctostaphylos, Betula, Carex, Cetraria, Cladonia, Cornus, Diapensia, Empetrum, Eriophorum, Juniperus, Ledum, Moss, Picea, Poa, Rubus chamaemorus, Rubus ideaus, Salix, Sphagnum.*

Month	**Herds Compared**	**Fecal Samples Collected**	**n**	**r**	**p**
October	Corner Brook Lakes	19	2	0.877	0.003
	Gros Morne	55			
November	Corner Brook Lakes	26	2	0.966	0.000
	Gros Morne	52			
December	Corner Brook Lakes	16	3	0.816	0.000
	Grey River	20			
	Gros Morne	54			

Table 4A-6. Among herd statistical comparisons of percent occurrence of plant species found in fecal versus rumen samples collected from insular Newfoundland caribou. Model II single factor ANOVA was used to test for significant correlations in percent occurrence between fecal and rumen samples collected from the same herd in the same month. Data were transformed to meet the assumptions of normality. Comparisons were made only for plant species with a percent occurrence of greater than 25% in at least one month: *Abies, Alectoria, Andromeda, Arctostaphylos, Betula, Carex, Cetraria, Cladonia, Cornus, Diapensia, Empetrum, Eriophorum, Juniperus, Ledum, Moss, Picea, Poa, Rubus chamaemorus, Rubus ideaus, Salix, Sphagnum.*

Herd	**Month**	**Samples Collected**		**n**	**r**	**p**
		Fecal	**Rumen**			
Corner Brook Lakes	March	4	4	2	0.702	0.478
	April	16	16	2	0.551	0.952
Grey Islands	April	10	8	2	0.780	0.407
Grey River	December	20	20	2	0.974	0.000
Merasheen Island	September	50	59	2	0.977	0.000
Middle Ridge	April	20	20	2	0.979	0.000
	September	4	8	2	0.921	0.000

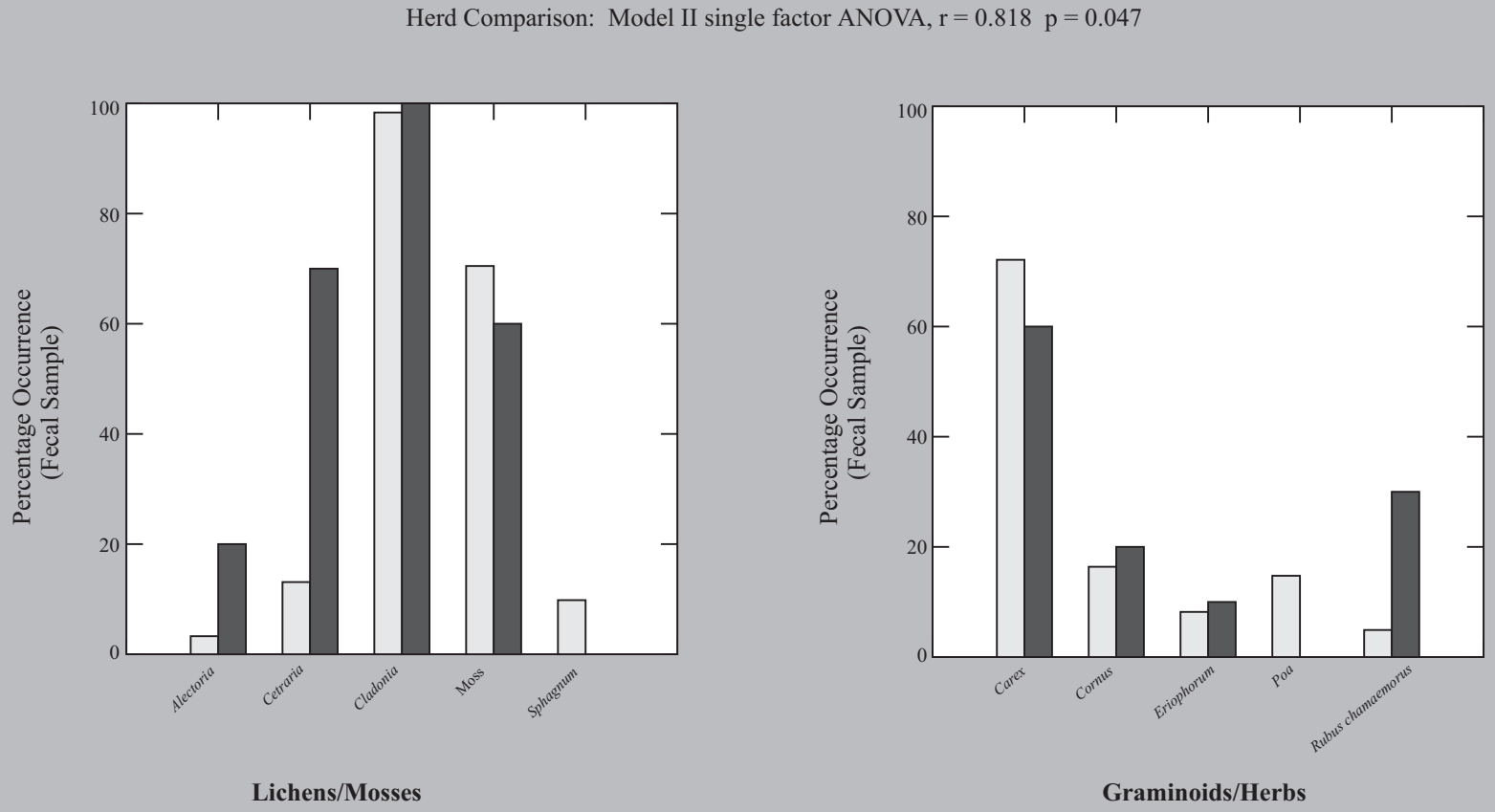


Fig. 4A-3. Comparison of percent occurrence of plant species found in fecal and rumen samples where available from insular Newfoundland Caribou in January. Caribou Herds: Corner Brook Lakes (■), n = 10; Gros Morne (□), n = 61.

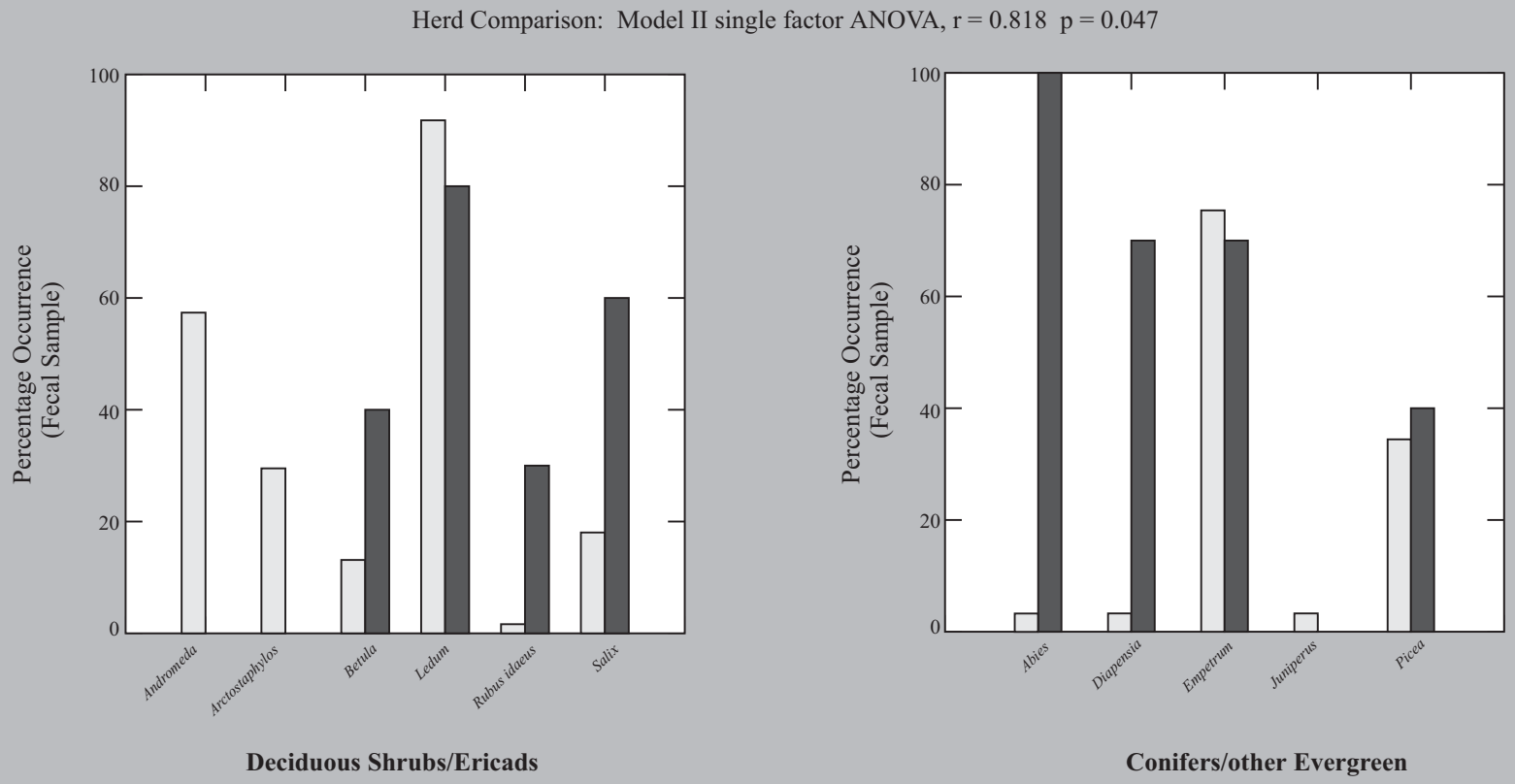


Fig. 4A-3 (con'd). Comparison of percent occurrence of plant species found in fecal and rumen samples where available from insular Newfoundland Caribou in January. Caribou Herds: Corner Brook Lakes (■), n = 10; Gros Morne (□), n = 61.

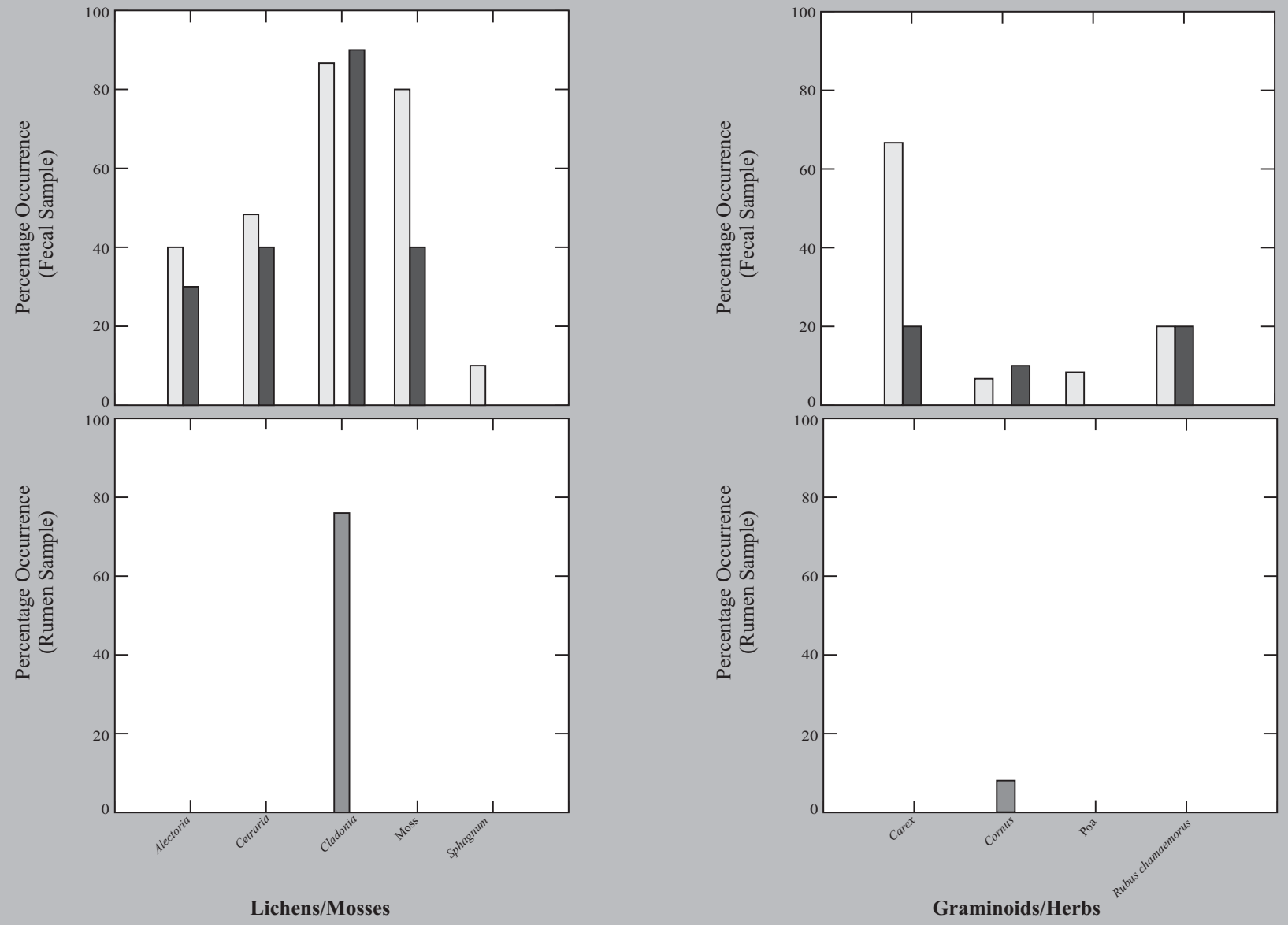


Fig. 4A-4. Comparison of percent occurrence of plant species found in fecal and rumen samples collected from insular Newfoundland Caribou in February. Caribou Herds: Corner Brook Lakes (■), n = 10; Gros Morne (□), n = 61; La Poile (▭), n = 25.

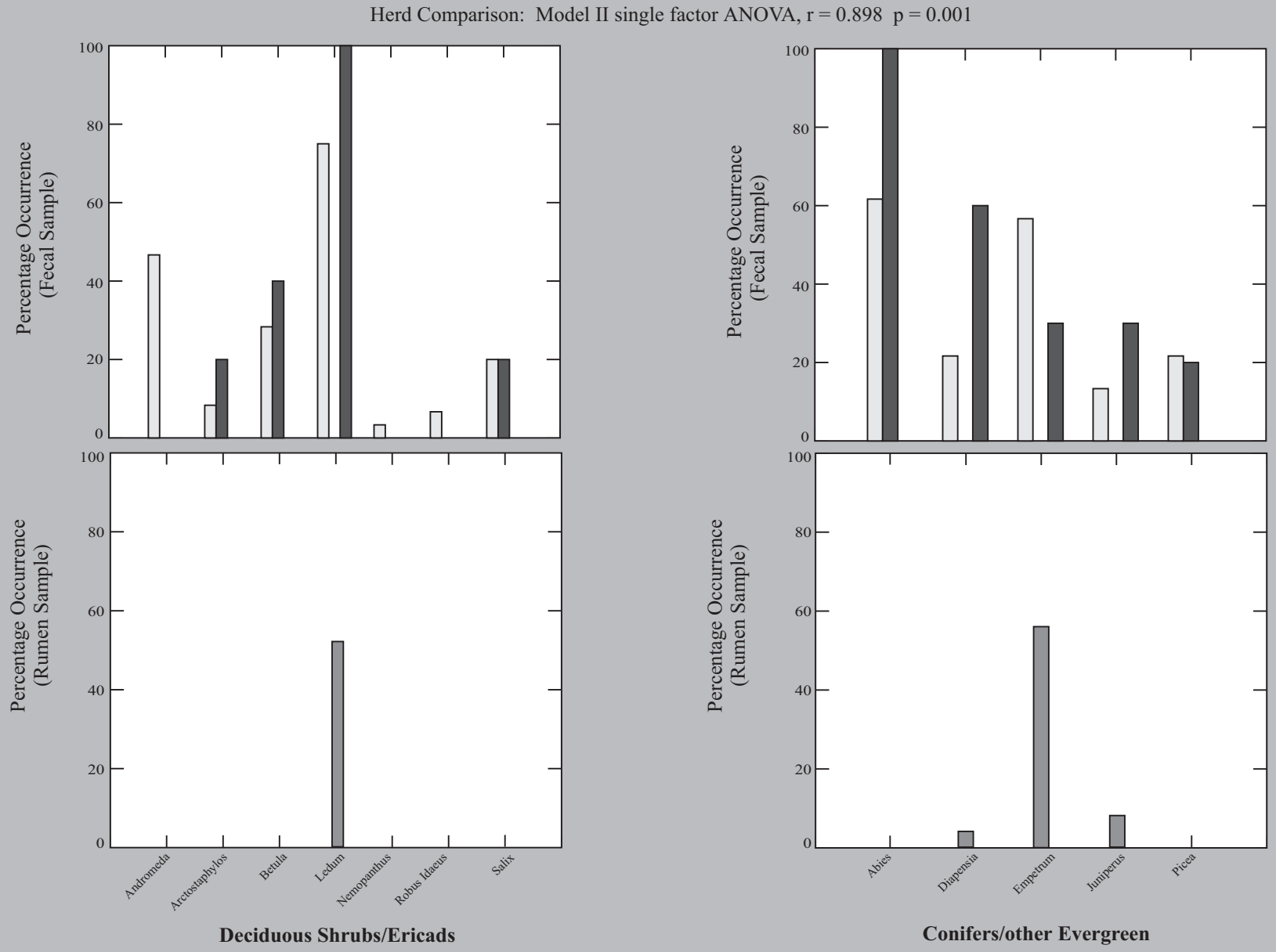


Fig. 4A-4 (con'd). Comparison of percent occurrence of plant species found in fecal and rumen samples collected from insular Newfoundland Caribou in February. Caribou Herds: Corner Brook Lakes (■), n = 10; Gros Morne (□), n = 61; La Poile (▭), n = 25.

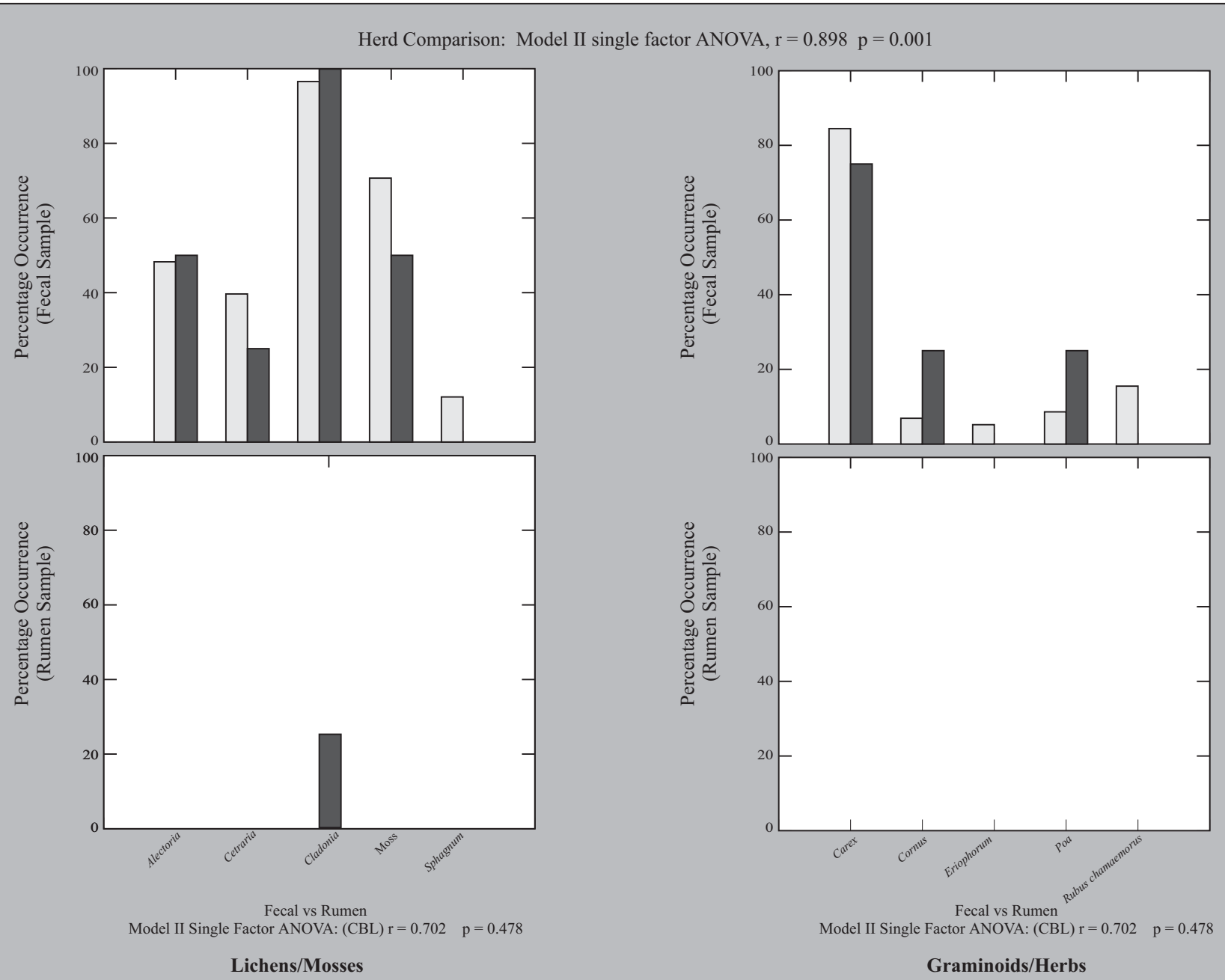


Fig. 4A-5. Comparison of percent occurrence of plant species found in fecal and rumen samples collected from insular Newfoundland Caribou in March. Caribou Herds: Corner Brook Lakes (▬), n = 4; Gros Morne (▭), n = 58.

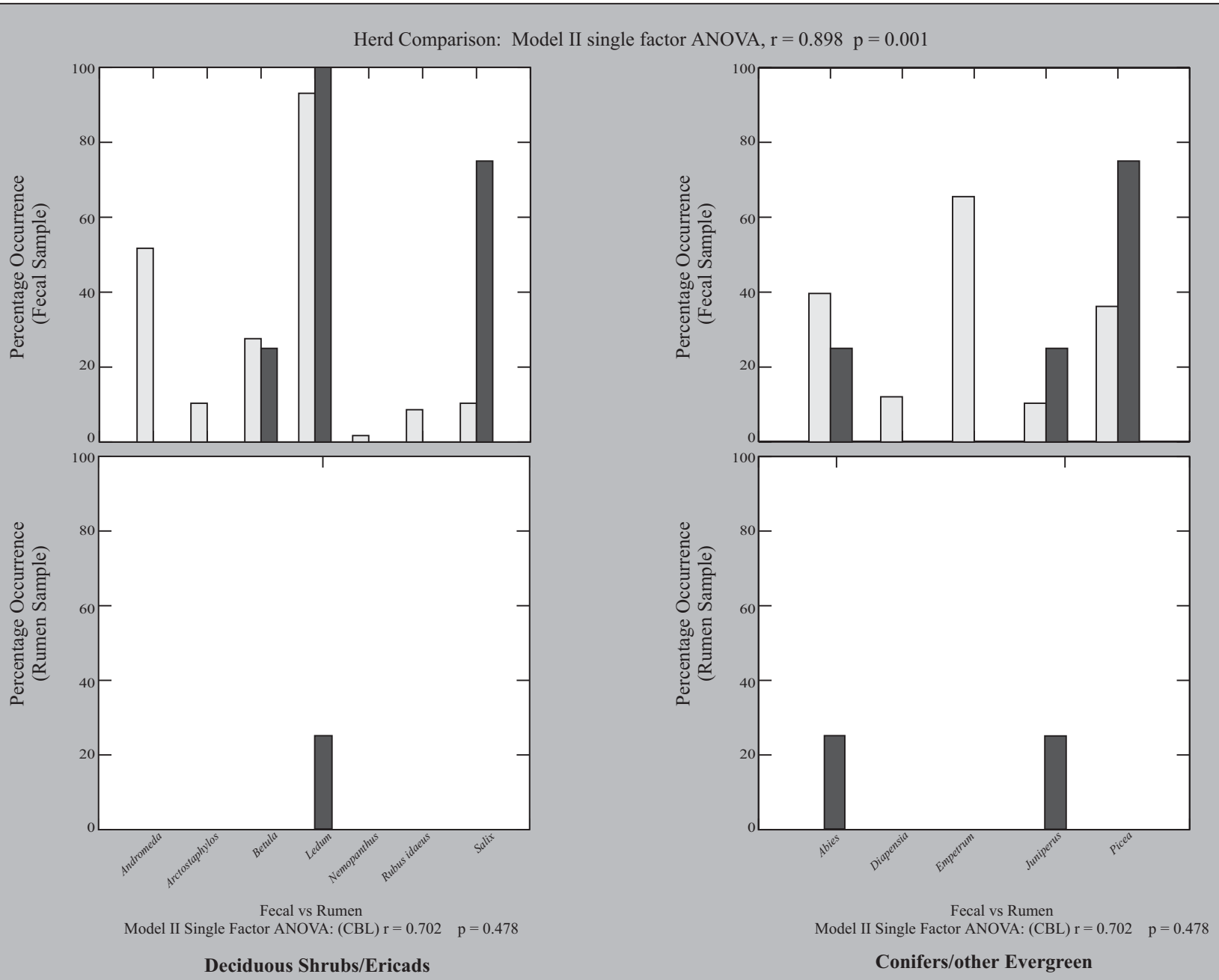


Fig. 4A-5 (con'd). Comparison of percent occurrence of plant species found in fecal and rumen samples collected from insular Newfoundland Caribou in March. Caribou Herds: Corner Brook Lakes (■), n = 4; Gros Morne (□), n = 58.

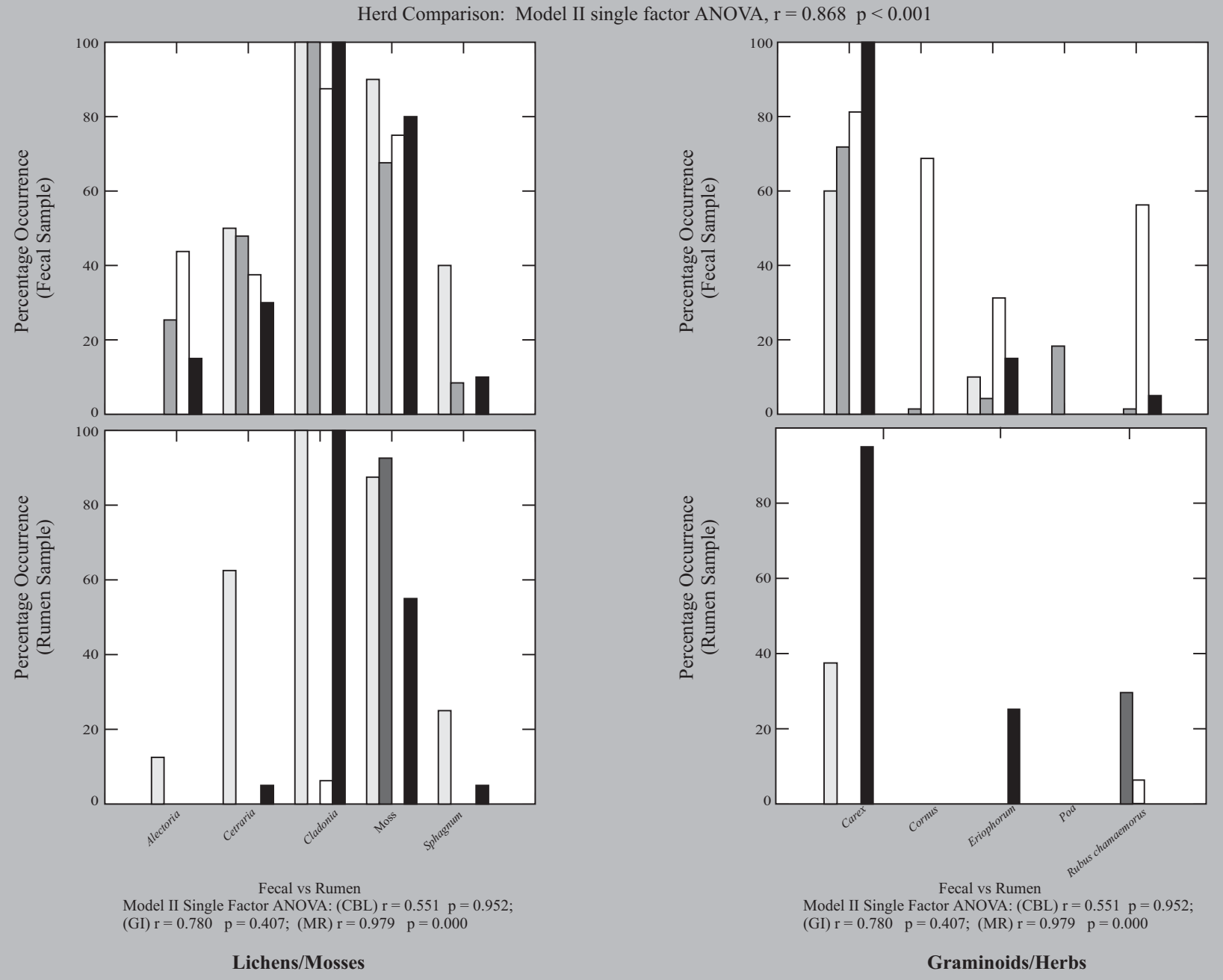


Fig. 4A-6. Comparison of percent occurrence of plant species found in fecal and rumen samples collected from insular Newfoundland Caribou in April. Caribou Herds: Corner Brook Lakes (□), n = 16; Grey Islands (□), n = 10; Gros Morne (▒), n = 71; La Poile (▒), n = 27; Middle Ridge (■), n = 20.

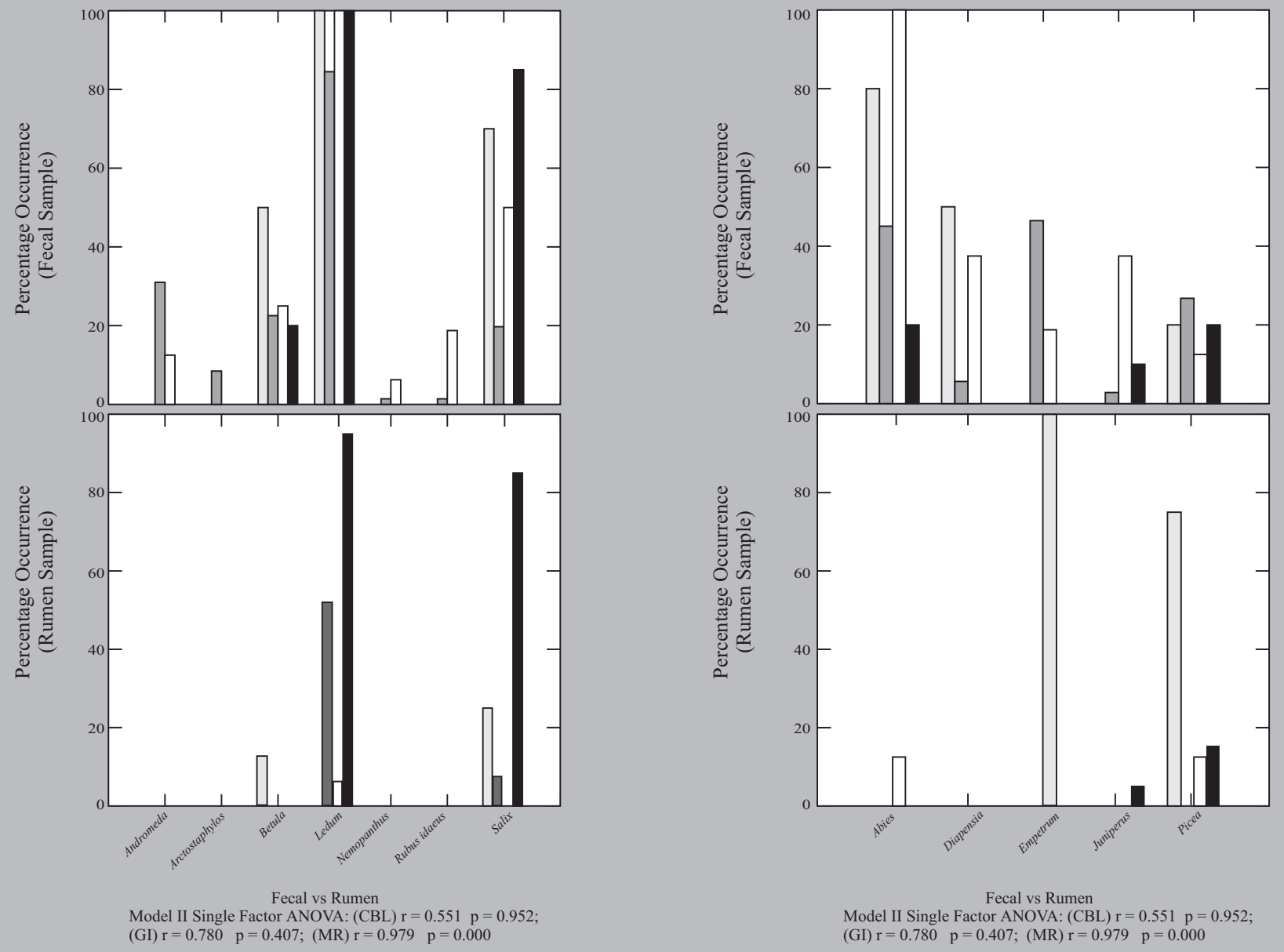


Fig. 4A-6 (con'd). Comparison of percent occurrence of plant species found in fecal and rumen samples collected from insular Newfoundland Caribou in April. Caribou Herds: Corner Brook Lakes ( ), n = 16; Grey Islands ( ), n = 10; Gros Morne ( ), n = 71; La Poile ( ), n = 27; Middle Ridge ( ), n = 20.

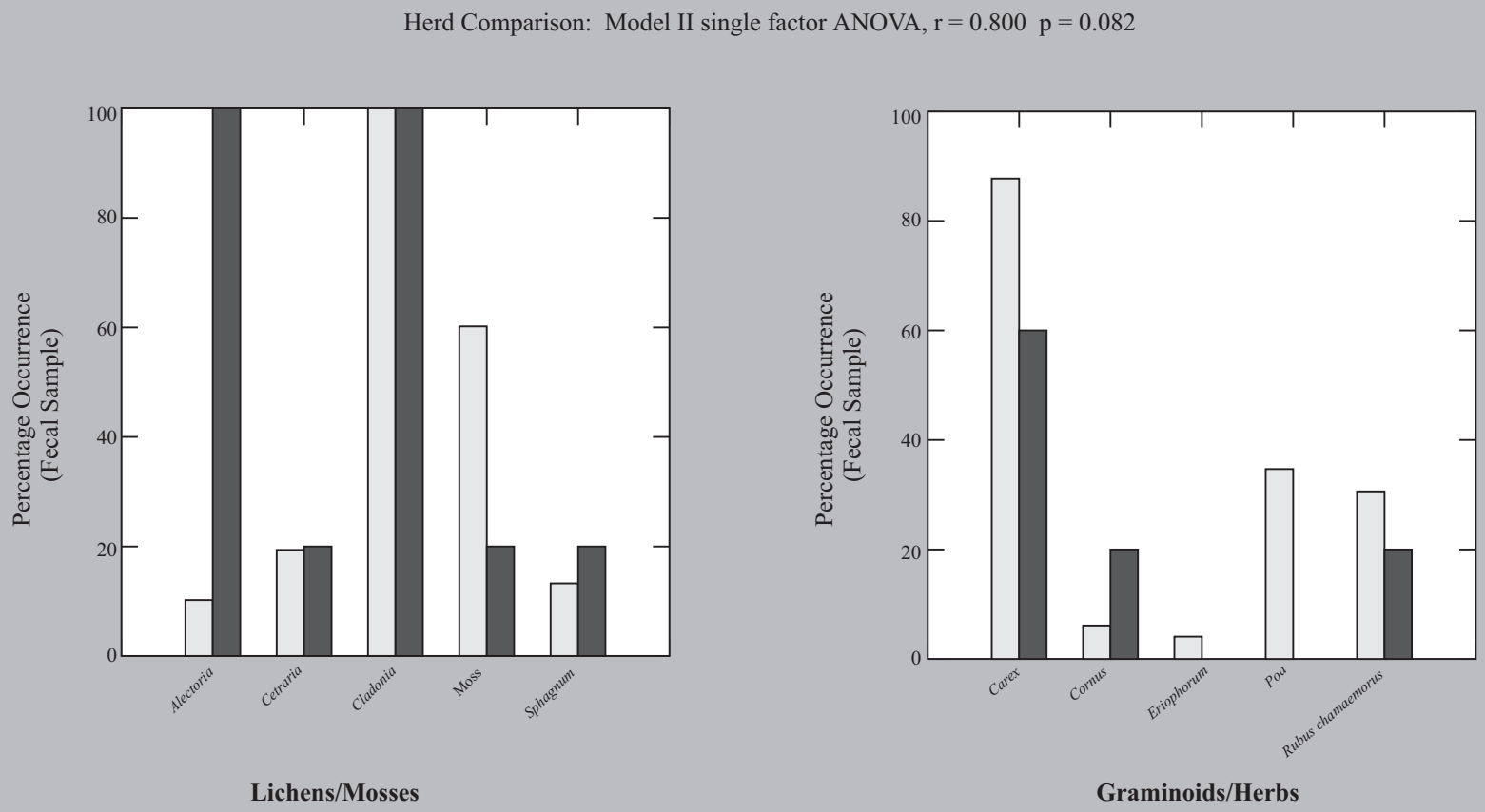


Fig. 4A-7. Comparison of percent occurrence of plant species found in fecal and rumen samples collected from insular Newfoundland Caribou in May. Caribou Herds: Corner Brook Lakes (■), n = 5; Gros Morne (□), n = 98.

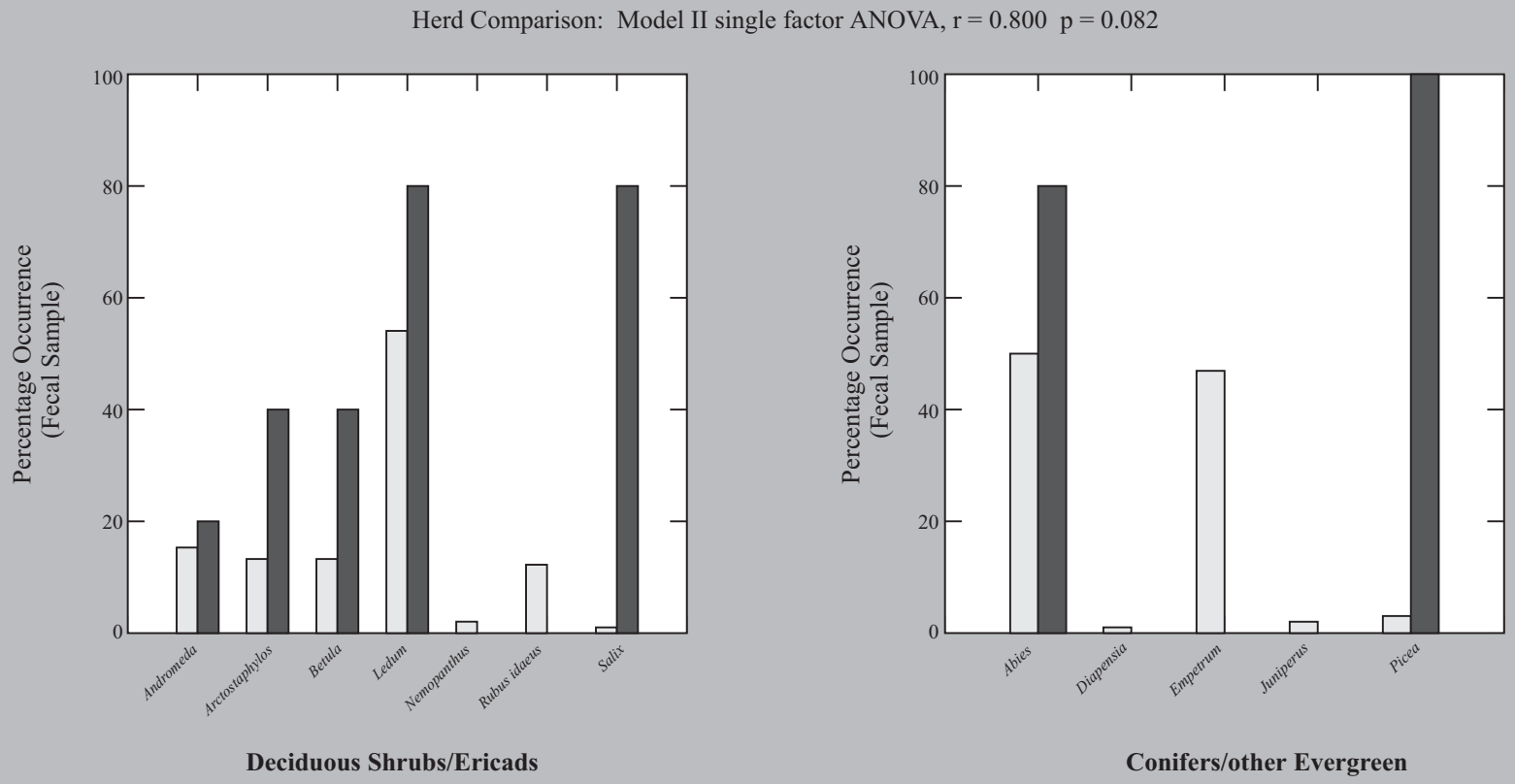


Fig. 4A-7 (con'd). Comparison of percent occurrence of plant species found in fecal and rumen samples collected from insular Newfoundland Caribou in May. Caribou Herds: Corner Brook Lakes (■), n = 5; Gros Morne (□), n = 98.

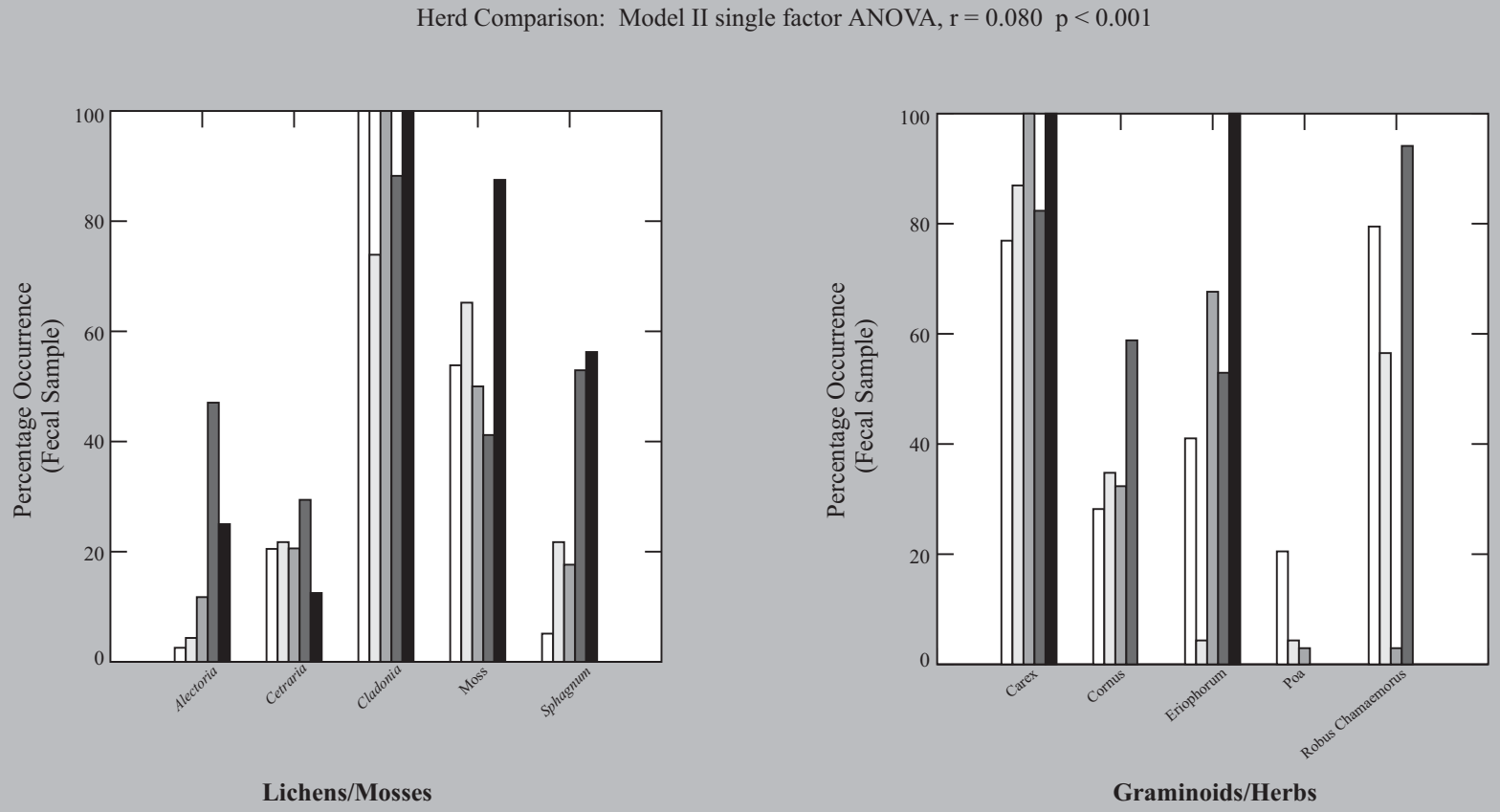


Fig. 4A-8. Comparison of percent occurrence of plant species found in fecal and rumen samples collected from insular Newfoundland Caribou in June. Caribou Herds: Avalon ( ), n = 39; Gros Morne ( ), n = 23; Mount Peyton ( ), n = 34; Middle Ridge ( ), n = 17; Pot Hill ( ), n = 16.

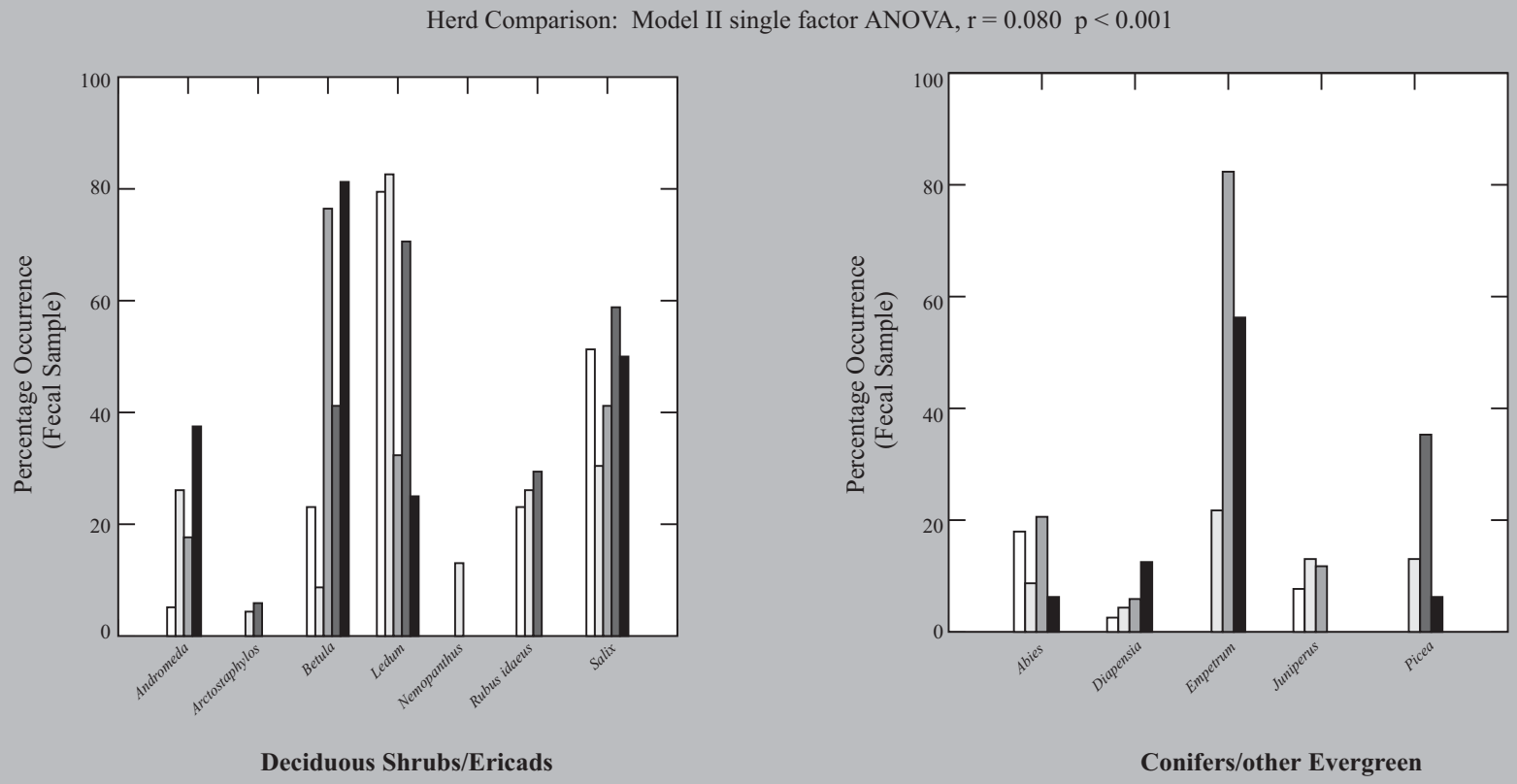


Fig. 4A-8 (con'd). Comparison of percent occurrence of plant species found in fecal and rumen samples collected from insular Newfoundland Caribou in June. Caribou Herds: Avalon ( ), n = 39; Gros Morne ( ), n = 23; Mount Peyton ( ), n = 34; Middle Ridge ( ), n = 17; Pot Hill ( ), n = 16.

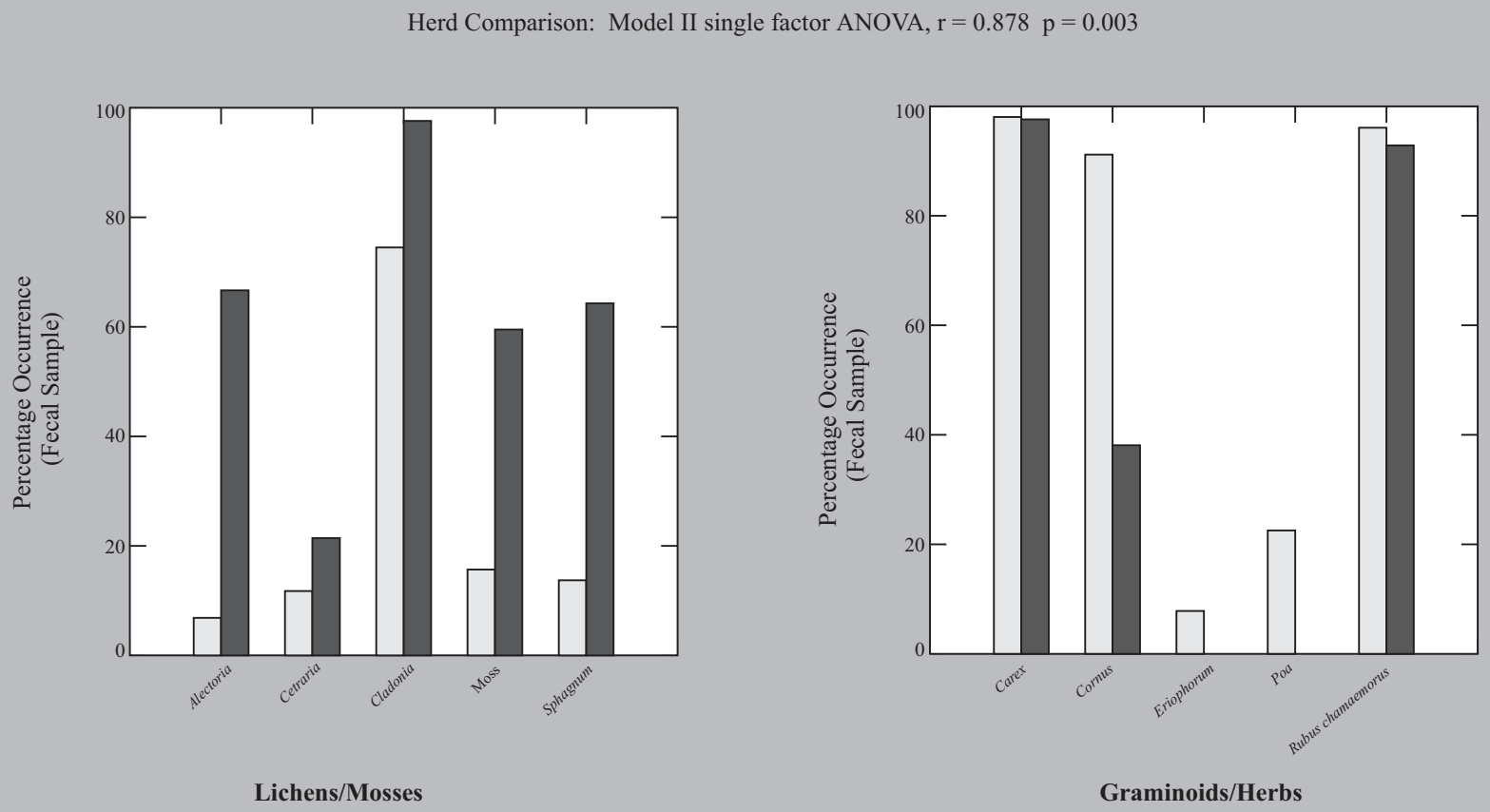


Fig. 4A-9. Comparison of percent occurrence of plant species found in fecal and rumen samples collected from insular Newfoundland Caribou in July. Caribou Herds: Gros Morne (▭), n = 102; Middle Ridge (▬), n = 42.

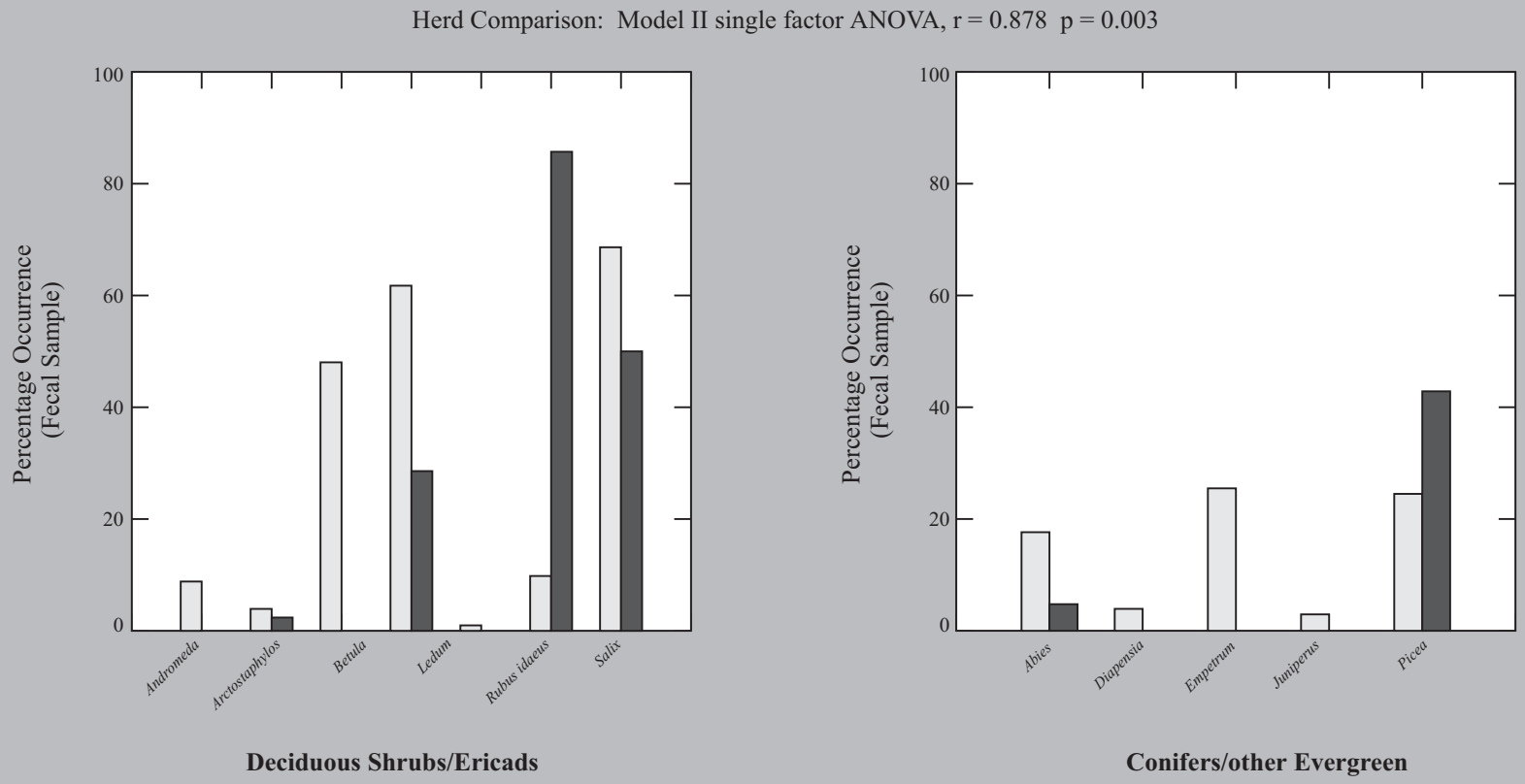


Fig. 4A-9 (con'd). Comparison of percent occurrence of plant species found in fecal and rumen samples collected from insular Newfoundland Caribou in July. Caribou Herds: Gros Morne (▭), n = 102; Middle Ridge (▬), n = 42.

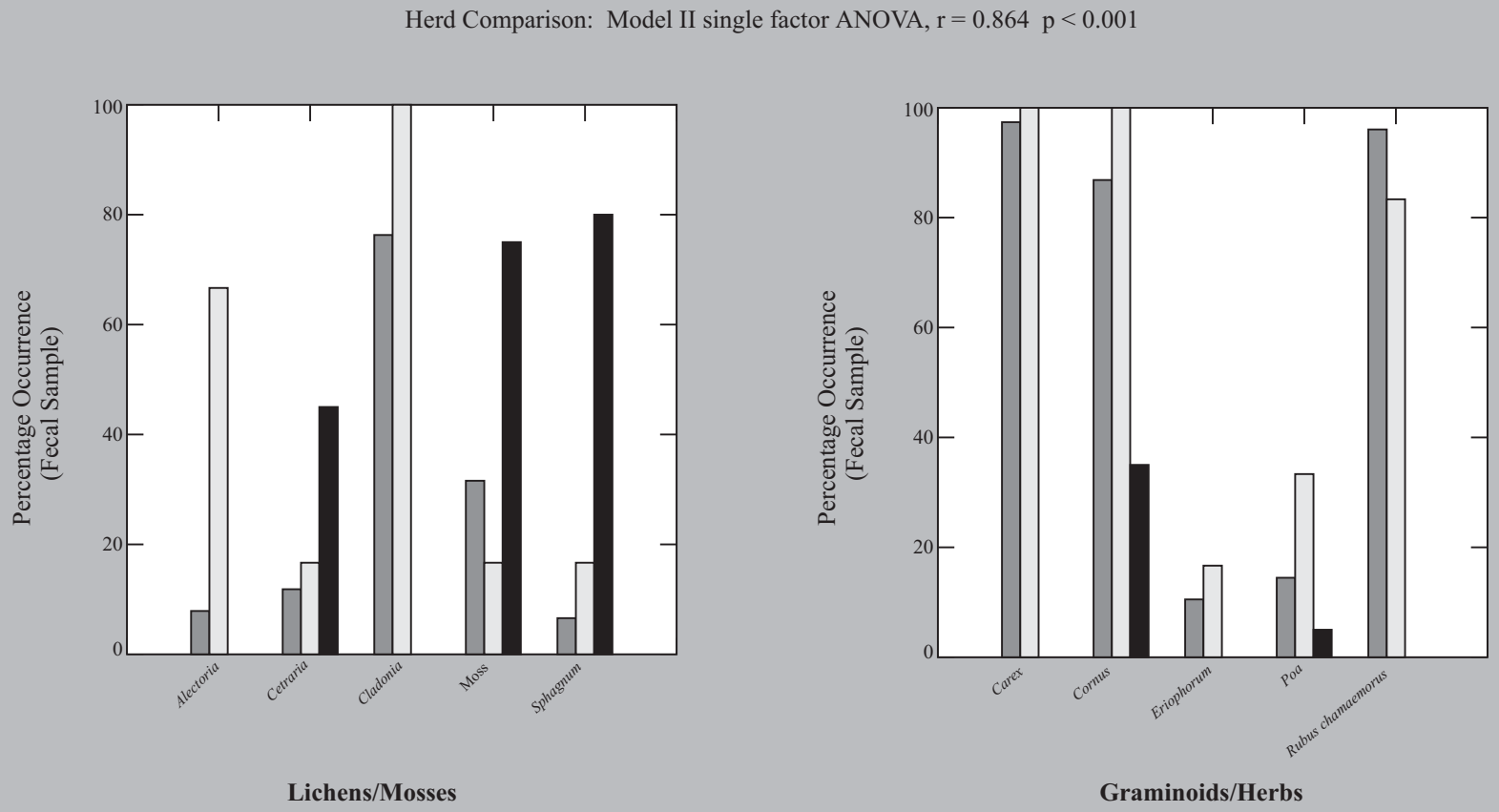


Fig. 4A-10. Comparison of percent occurrence of plant species found in fecal and rumen samples collected from insular Newfoundland Caribou in August. Caribou Herds: Corner Brook Lakes (▭), n = 6; Gros Morne (▭), n = 76; Middle Ridge (■), n = 36.

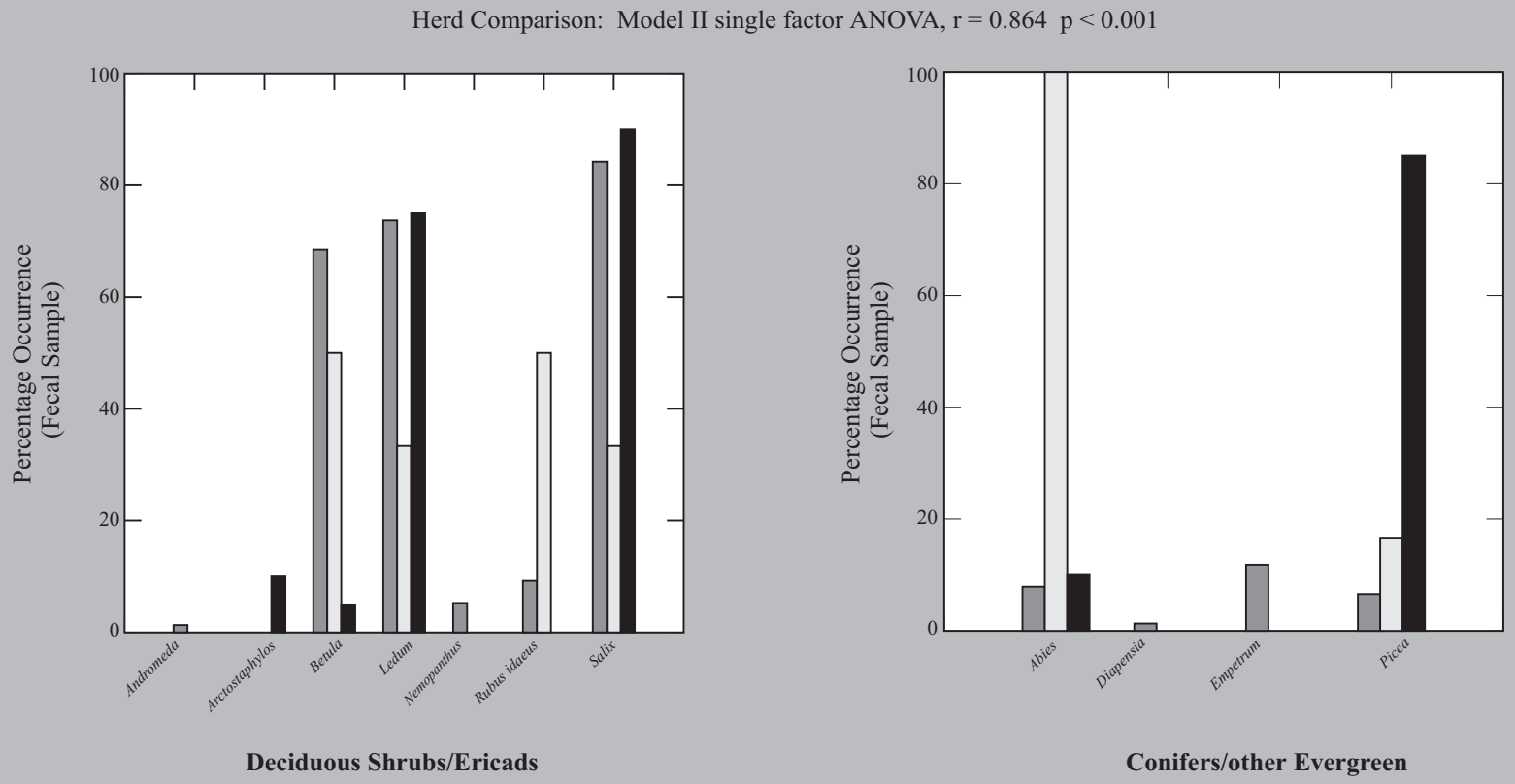


Fig. 4A-10 (con'd). Comparison of percent occurrence of plant species found in fecal and rumen samples collected from insular Newfoundland Caribou in August. Caribou Herds: Corner Brook Lakes (□), n = 6; Gros Morne (▒), n = 76; Middle Ridge (■), n = 36.

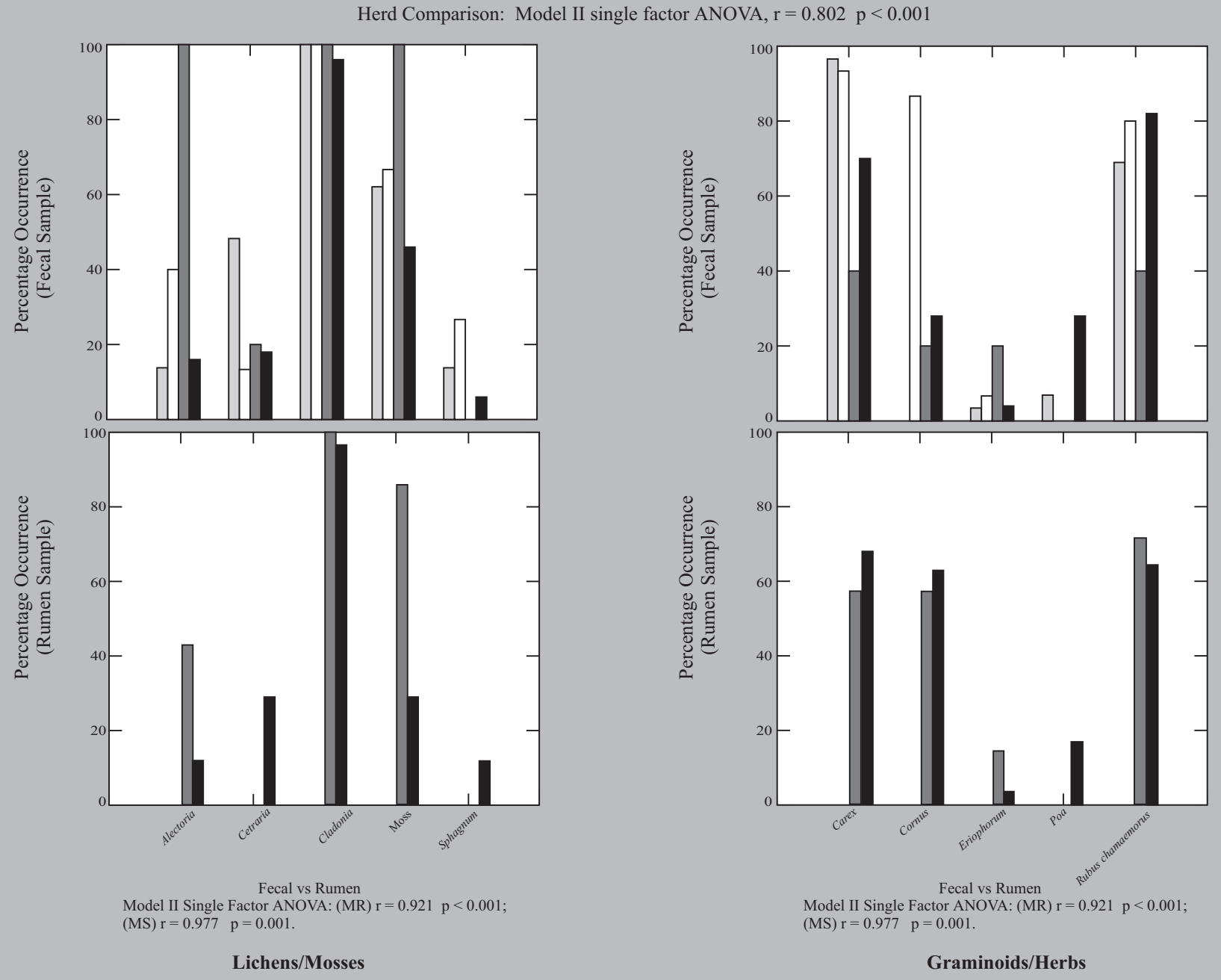


Fig. 4A-11. Comparison of percent occurrence of plant species found in fecal and rumen samples collected from insular Newfoundland Caribou in September. Caribou Herds: Corner Brook Lakes (□), n = 15; Gros Morne (□), n = 29; Middle Ridge (▒), n = 4; Merasheen Island (■), n = 50.

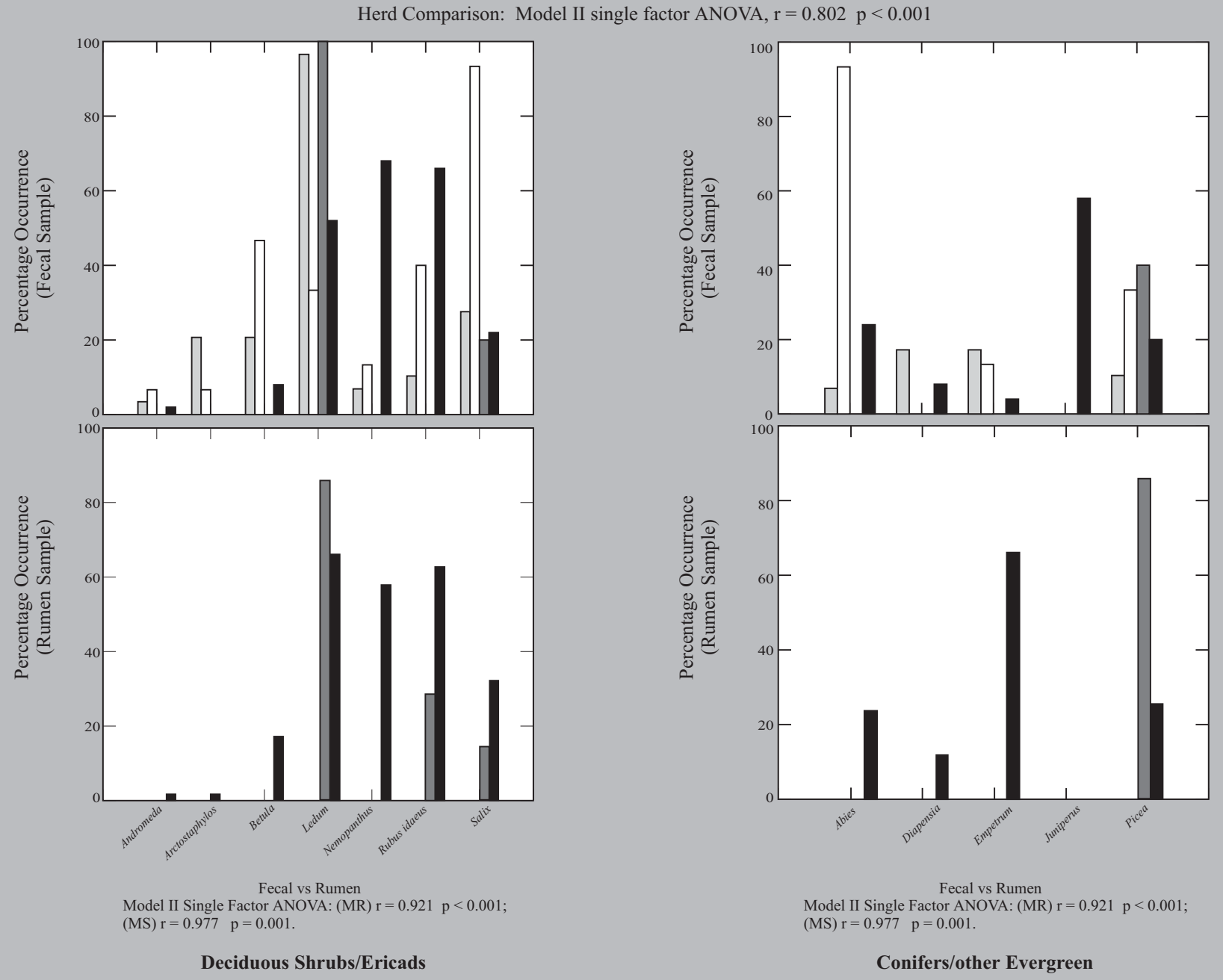


Fig. 4A-11 (con'd). Comparison of percent occurrence of plant species found in fecal and rumen samples collected from insular Newfoundland Caribou in September. Caribou Herds: Corner Brook Lakes ( ), n = 15; Gros Morne ( ), n = 29; Middle Ridge ( ), n = 4; Merasheen Island ( ), n = 50.

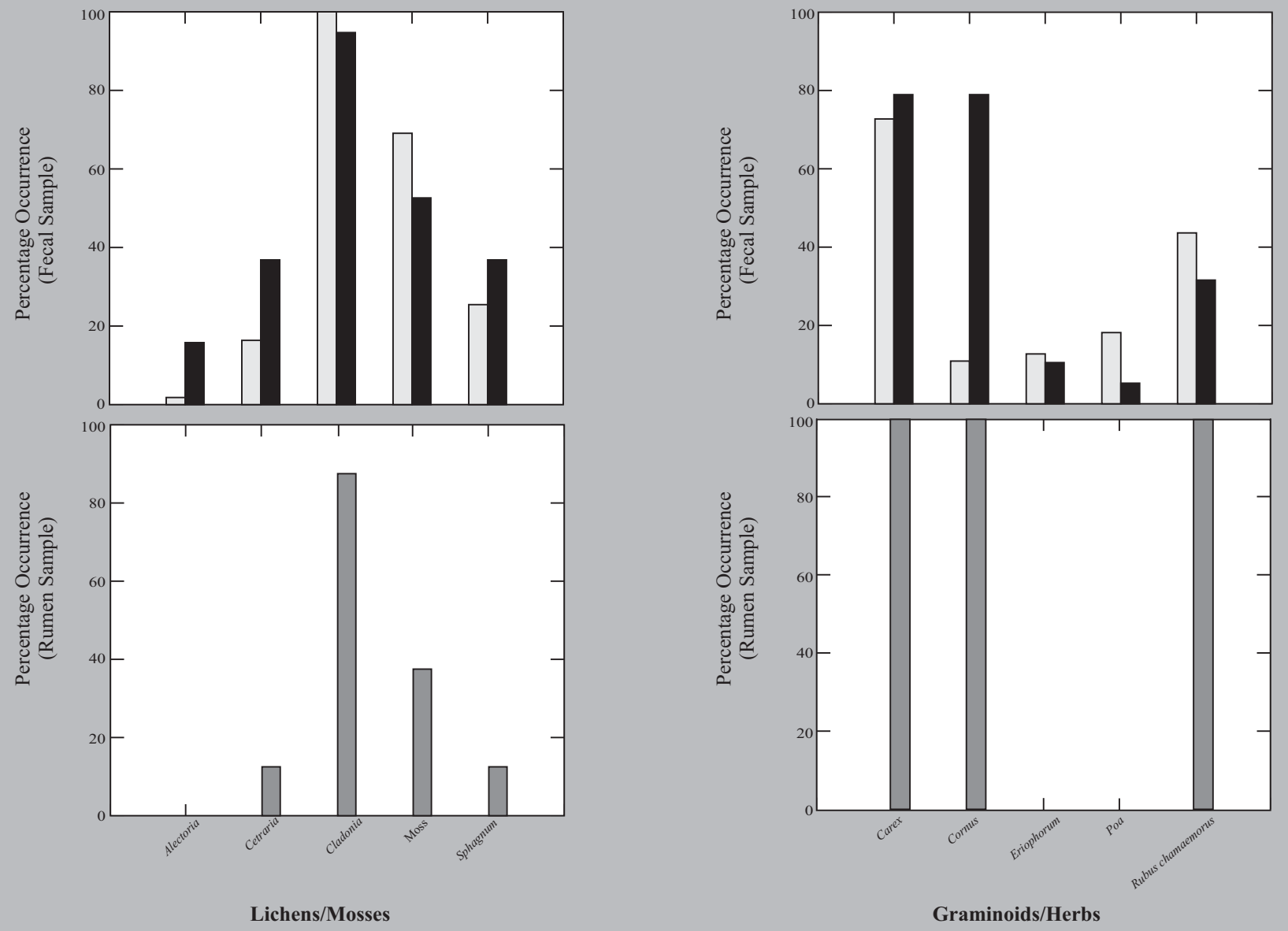


Fig. 4A-12. Comparison of percent occurrence of plant species found in fecal and rumen samples collected from insular Newfoundland Caribou in October. Caribou Herds: Corner Brook Lakes (■), n = 19; Gros Morne (□), n = 55; Grey River (▭), n = 8.

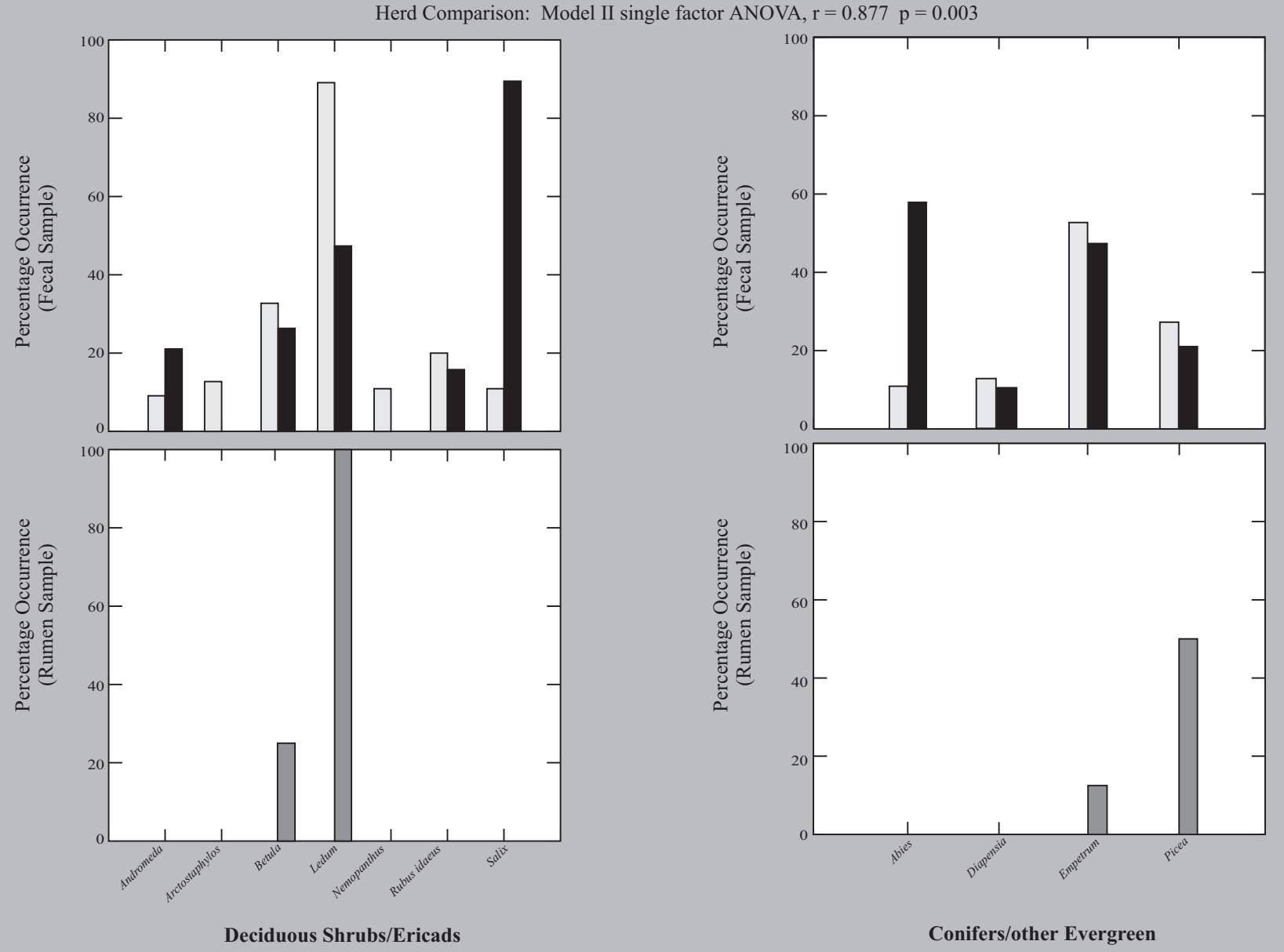


Fig. 4A-12 (con'd). Comparison of percent occurrence of plant species found in fecal and rumen samples collected from insular Newfoundland Caribou in October. Caribou Herds: Corner Brook Lakes (■), n = 19; Gros Morne (□), n = 55; Grey River (▭), n = 8.

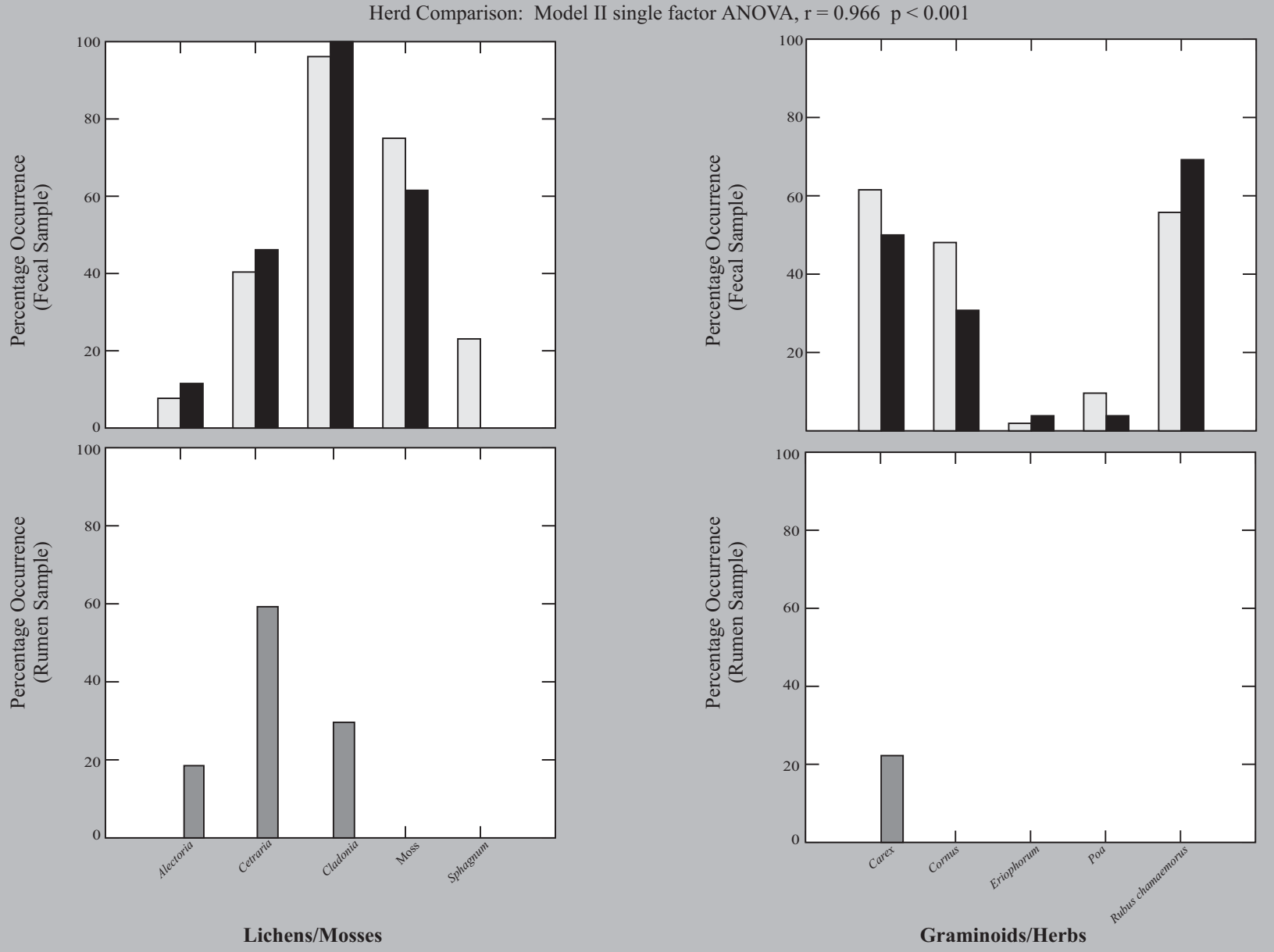


Fig. 4A-13. Comparison of percent occurrence of plant species found in fecal and rumen samples collected from insular Newfoundland Caribou in November. Caribou Herds: Corner Brook Lakes (■), n = 26; Gros Morne (□), n = 52; La Poile (▭), n = 27.

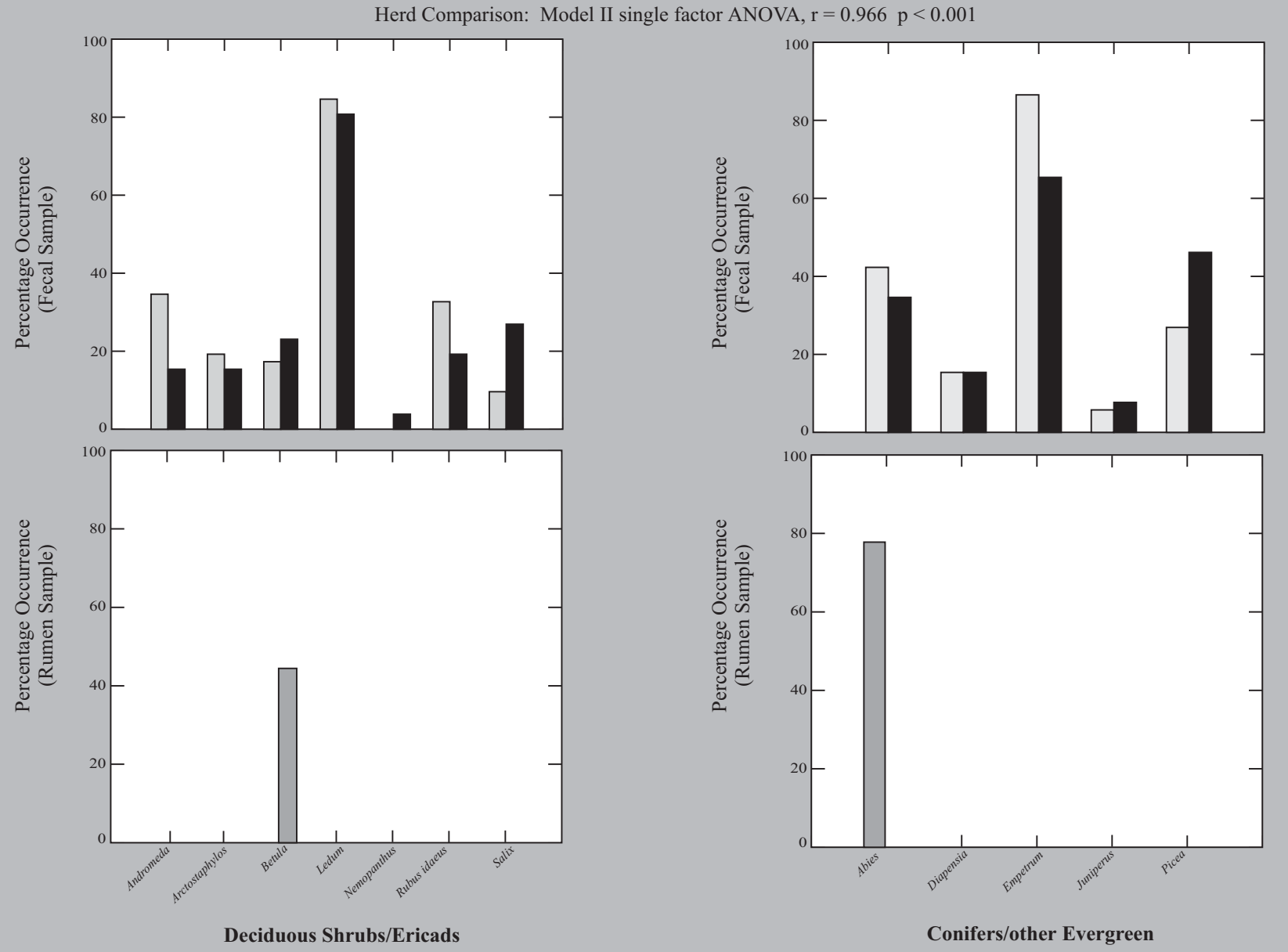


Fig. 4A-13 (con'd). Comparison of percent occurrence of plant species found in fecal and rumen samples collected from insular Newfoundland Caribou in November. Caribou Herds: Corner Brook Lakes (■), n = 26; Gros Morne (□), n = 52; La Poile (▭), n = 27.

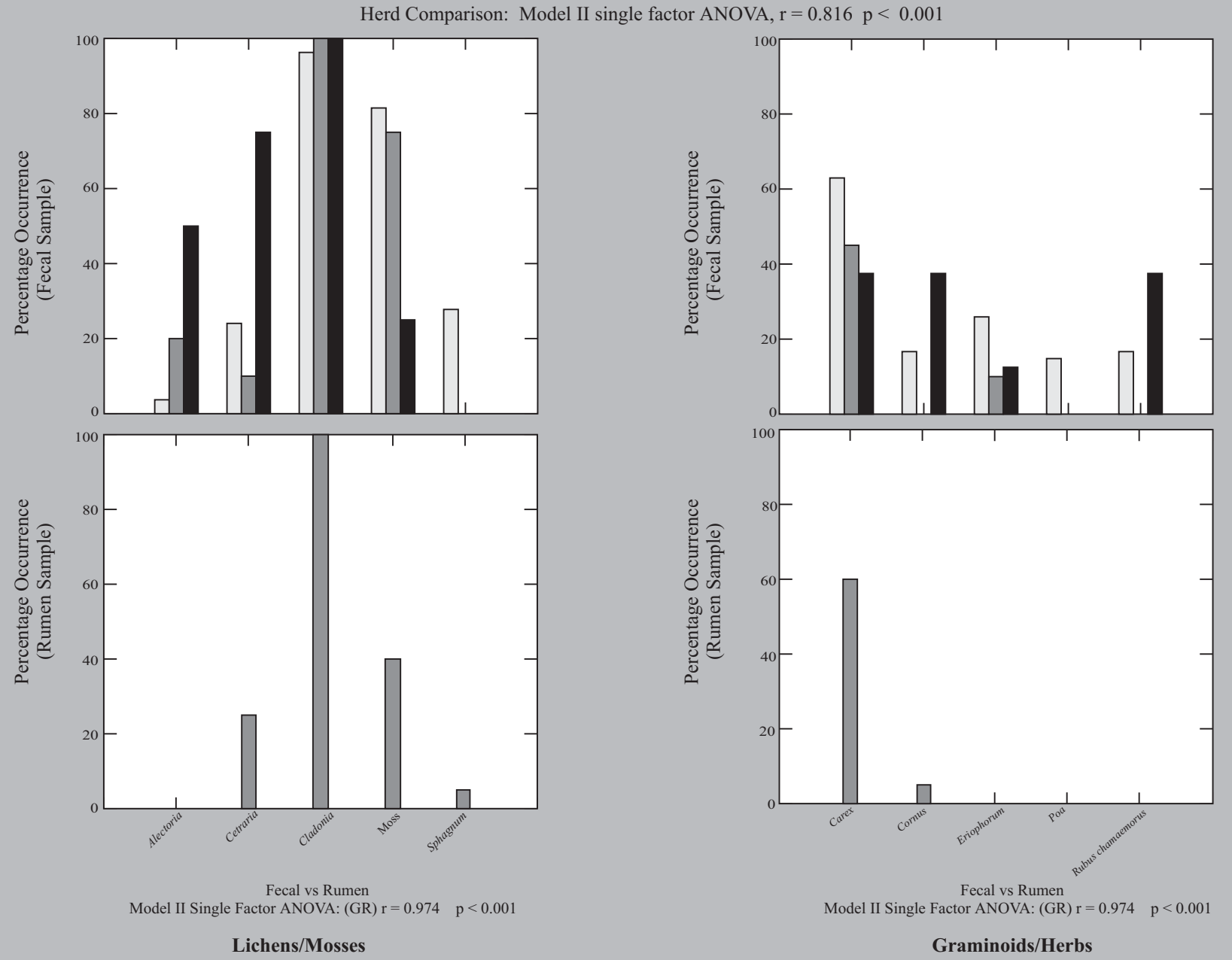


Fig. 4A-14. Comparison of percent occurrence of plant species found in fecal and rumen samples collected from insular Newfoundland Caribou in December. Caribou Herds: Corner Brook Lakes (■), n = 16; Gros Morne (□), n = 54; Grey River (▭), n = 20

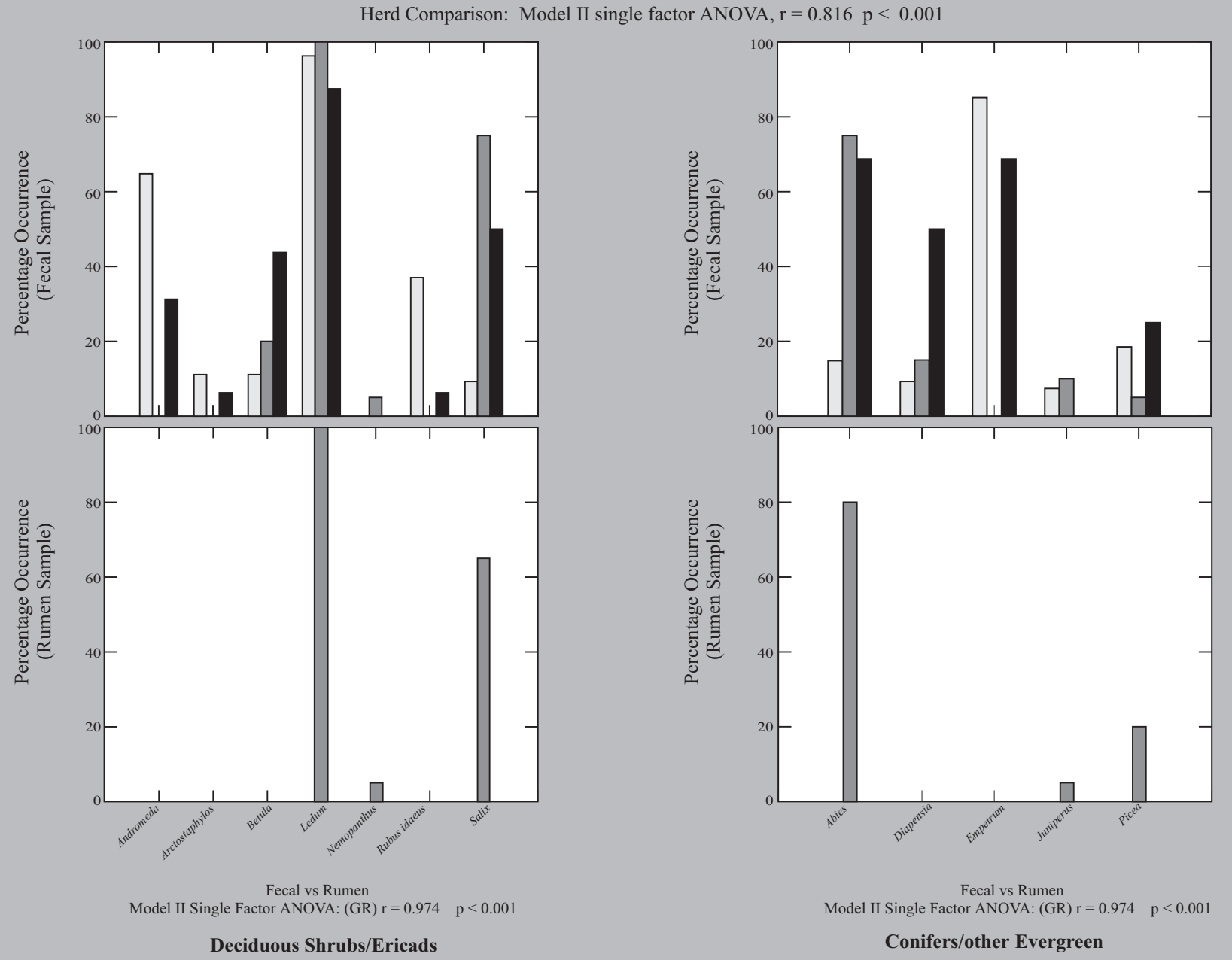


Fig. 4A-14 (con'd). Comparison of percent occurrence of plant species found in fecal and rumen samples collected from insular Newfoundland Caribou in December. Caribou Herds: Corner Brook Lakes (■), n = 16; Gros Morne (□), n = 54; Grey River (▭), n = 20

Table 4A-7. Descriptive statistics, by month, for mean percent relative density (MPRD) of plant groups identified using caribou fecal samples. Data are for all insular Newfoundland herds combined.

Month	Plant group	N	Minimum MPRD	Maximum MPRD	Mean MPRD	Standard error	Standard deviation
January	Arboreal lichens	4	0.66	25.93	8.02	6.02	12.03
	Terrestrial lichens	86	0.75	84.02	46.82	2.91	27.02
	Mosses	55	0.84	21.93	2.86	0.52	3.85
	Graminoids	85	0.7	66.16	5.76	1	9.24
	Herbs	25	0.77	7.3	2.31	0.31	1.54
	Deciduous shrubs	41	0.76	18.77	2.53	0.5	3.18
	Ericads	124	0.7	78.28	12.18	1.2	13.38
	Other evergreens	62	0.75	22.43	7.23	0.74	5.81
	Conifers	45	0.7	23.41	4.66	0.85	5.72
	Aquatics	0	-	-	-	-	-
	Others	28	0.8	18.19	2.33	0.62	3.26
February	Arboreal lichens	27	0.76	77.35	6.85	2.86	14.88
	Terrestrial lichens	101	0.7	89.88	24.56	2.81	28.21
	Mosses	58	0.74	94.26	11.42	2.61	19.88
	Graminoids	58	0.74	82.59	14.14	2.5	19.06
	Herbs	29	0.71	41.09	3.85	1.41	7.6
	Deciduous shrubs	43	0.86	33.12	5.29	1.07	6.99
	Ericads	93	0.76	34.78	6.9	0.76	7.37
	Other evergreens	56	0.75	27.65	6.48	0.69	5.18
	Conifers	90	0.87	92.87	8.76	1.54	14.57
	Aquatics	1	1.51	1.51	1.51	0	0
	Others	25	0.7	24.72	4.78	1.15	5.77
March	Arboreal lichens	30	0.62	87.02	10.71	3.89	21.3
	Terrestrial lichens	87	0.77	91.67	29.62	3.23	30.14
	Mosses	50	0.5	32.1	5.94	1	7.04
	Graminoids	65	0.81	55.88	8.98	1.32	10.6
	Herbs	17	0.71	32.66	4.9	1.94	7.99
	Deciduous shrubs	39	0.71	15.74	3.5	0.64	4
	Ericads	96	0.53	44.36	10.92	1.13	11.03
	Other evergreens	45	0.74	30.44	9.97	1.2	8.07
	Conifers	72	0.72	61.32	7.65	1.28	10.9
	Aquatics	0	-	-	-	-	-
	Others	22	0.5	31.84	6.97	1.93	9.05
April	Arboreal lichens	28	0.7	16.19	2.7	0.65	3.46
	Terrestrial lichens	170	0.6	98.56	40.03	2.74	35.68
	Mosses	97	0.55	15.71	2.66	0.27	2.64
	Graminoids	133	0.56	64.48	6.71	0.84	9.71
	Herbs	23	0.72	34.55	10.67	1.95	9.33
	Deciduous shrubs	84	0.61	15.53	2.92	0.34	3.08
	Ericads	178	0.52	85.15	11.76	1.17	15.66
	Other evergreens	51	0.55	63.45	5.85	1.4	10.03
	Conifers	108	0.65	91.35	6.98	1.43	14.91
	Aquatics	3	0.56	1.01	0.78	0.13	0.23
	Others	43	0.7	8.72	1.86	0.24	1.55

Table 4A-7 (con'd). Descriptive statistics, by month, for mean percent relative density (MPRD) of plant groups identified using caribou fecal samples. Data are for all insular Newfoundland herds combined.

Month	Plant group	N	Minimum MPRD	Maximum MPRD	Mean MPRD	Standard error	Standard deviation
May	Arboreal lichens	15	0.64	7.13	1.93	0.46	1.79
	Terrestrial lichens	123	0.71	98.32	66.96	3.03	33.64
	Mosses	74	0.54	10.56	2.38	0.23	1.96
	Graminoids	162	0.55	31.27	3.76	0.42	5.39
	Herbs	55	0.67	41.27	3.27	0.83	6.12
	Deciduous shrubs	48	0.56	7.94	1.63	0.21	1.46
	Ericads	89	0.67	70.34	6.81	1.21	11.45
	Other evergreens	47	0.55	11.54	2.63	0.38	2.61
	Conifers	70	0.56	21.62	2.79	0.46	3.85
	Aquatics	1	1.34	1.34	1.34	0	0
	Others	37	0.55	7.33	1.7	0.22	1.36
June	Arboreal lichens	18	0.74	14.41	2.96	0.86	3.65
	Terrestrial lichens	152	0.63	88.1	43.7	2.25	27.76
	Mosses	105	0.51	11.66	2.79	0.26	2.66
	Graminoids	226	0.58	74.62	13.17	1.04	15.56
	Herbs	144	0.57	87.49	7.14	1.08	12.92
	Deciduous shrubs	142	0.6	83.66	7.56	1.07	12.77
	Ericads	130	0.57	24.21	3.22	0.34	3.92
	Other evergreens	51	0.56	18.78	3	0.46	3.28
	Conifers	45	0.58	8.24	1.75	0.21	1.43
	Aquatics	2	0.61	1.07	0.84	0.23	0.33
	Others	23	0.65	11.05	1.83	0.45	2.17
July	Arboreal lichens	35	0.75	46.14	6.96	1.88	11.13
	Terrestrial lichens	142	0.77	94.17	15.19	1.91	22.71
	Mosses	82	0.55	12.22	2.71	0.26	2.33
	Graminoids	236	0.66	79.05	13.91	1	15.38
	Herbs	261	1.02	91.72	24.65	1.34	21.62
	Deciduous shrubs	189	0.7	88.92	8.05	1.14	15.73
	Ericads	109	0.67	19.05	3.38	0.33	3.45
	Other evergreens	31	0.66	4.6	2.02	0.21	1.18
	Conifers	70	0.79	7.05	1.92	0.14	1.14
	Aquatics	4	1.16	2.8	1.65	0.39	0.77
	Others	40	0.79	13.2	2.05	0.32	2.03
August	Arboreal lichens	33	0.57	27.43	5.56	1.04	5.97
	Terrestrial lichens	120	0.74	76.04	13.75	1.69	18.47
	Mosses	62	0.68	22.87	2.73	0.43	3.38
	Graminoids	182	0.67	79.67	15.05	1.44	19.47
	Herbs	224	0.57	92.08	18.7	1.52	22.68
	Deciduous shrubs	191	0.62	86.4	12.01	1.27	17.6
	Ericads	93	0.68	12.72	2.84	0.25	2.42
	Other evergreens	11	0.84	6.99	2.12	0.54	1.78
	Conifers	45	0.65	36.19	3.82	1.03	6.89
	Aquatics	3	1.53	20.12	11.37	5.39	9.34
	Others	50	0.36	21.16	2.69	0.47	3.35

Table 4A-7 (con'd). Descriptive statistics, by month, for mean percent relative density (MPRD) of plant groups identified using caribou fecal samples. Data are for all insular Newfoundland herds combined.

Month	Plant group	N	Minimum MPRD	Maximum MPRD	Mean MPRD	Standard error	Standard deviation
September	Arboreal lichens	23	0.71	6.33	1.78	0.28	1.32
	Terrestrial lichens	124	0.51	92.53	43.75	3.09	34.42
	Mosses	67	0.64	14.84	2.57	0.35	2.84
	Graminoids	124	0.52	29.57	4.1	0.48	5.35
	Herbs	142	0.64	87.81	7.02	0.98	11.72
	Deciduous shrubs	142	0.62	93.57	11.38	1.77	21.06
	Ericads	78	0.7	22.04	4.67	0.55	4.83
	Other evergreens	19	0.53	14.4	2.96	0.94	4.09
	Conifers	94	0.55	32.14	4.31	0.61	5.92
	Aquatics	8	0.83	14.01	3.79	1.54	4.35
	Others	56	0.53	24.06	2.77	0.55	4.15
October	Arboreal lichens	4	0.81	2.58	1.56	0.37	0.75
	Terrestrial lichens	90	0.65	93.87	59.34	3.57	33.89
	Mosses	69	0.55	10.94	2.02	0.2	1.62
	Graminoids	87	0.54	45.23	4.84	0.93	8.65
	Herbs	71	0.7	28.25	4.1	0.66	5.54
	Deciduous shrubs	78	0.67	41.19	4.35	0.77	6.79
	Ericads	81	0.67	12.82	3.07	0.3	2.67
	Other evergreens	47	0.83	10.35	3.03	0.36	2.44
	Conifers	45	0.55	38.85	6.26	1.4	9.42
	Aquatics	4	0.92	2.05	1.26	0.27	0.53
	Others	49	0.81	16.09	3.77	0.57	3.96
November	Arboreal lichens	7	0.84	1.39	1.1	0.09	0.23
	Terrestrial lichens	112	0.54	93.69	46.72	3.1	32.83
	Mosses	67	0.75	12.18	2.77	0.28	2.28
	Graminoids	73	0.71	16.64	2.78	0.37	3.17
	Herbs	100	0.54	49.48	7.71	0.89	8.92
	Deciduous shrubs	54	0.54	43.74	2.81	0.84	6.17
	Ericads	108	0.71	27.33	5.24	0.58	5.98
	Other evergreens	74	0.72	29.72	5.38	0.56	4.86
	Conifers	72	0.6	21.76	2.54	0.36	3.08
	Aquatics	3	0.73	4.38	2.46	1.06	1.83
	Others	31	0.77	14.22	4.3	0.64	3.56
December	Arboreal lichens	14	0.66	8.52	2.52	0.75	2.79
	Terrestrial lichens	115	0.83	95.64	52.48	3.06	32.82
	Mosses	78	0.53	8.66	2.09	0.19	1.65
	Graminoids	91	0.77	29.44	3.85	0.53	5.05
	Herbs	42	0.56	28.84	4.4	0.99	6.44
	Deciduous shrubs	69	0.68	13.7	2.98	0.35	2.93
	Ericads	154	0.6	42.57	7.36	0.61	7.55
	Other evergreens	73	0.68	17.22	4.8	0.5	4.29
	Conifers	62	0.54	86.85	7.17	2.08	16.41
	Aquatics	1	2.61	2.61	2.61	0	0
	Others	37	0.45	9.13	2.52	0.4	2.44

Table 4A-8. Descriptive statistics, by month, for mean percent relative density (MPRD) of plant groups identified using caribou rumen samples. Data are for all insular Newfoundland caribou herds combined.

Month	Plant group	N	Minimum MPRD	Maximum MPRD	Mean MPRD	Standard error	Standard deviation
February	Arboreal lichens	0	-	-	-	-	-
	Terrestrial lichens	19	6.03	85.47	43.98	4.97	21.65
	Mosses	0	-	-	-	-	-
	Graminoids	0	-	-	-	-	-
	Herbs	2	0.89	1.36	1.13	0.24	0.33
	Deciduous shrubs	0	-	-	-	-	-
	Ericads	15	2.18	56.86	28.03	4.05	15.67
	Other evergreens	15	0.73	5.52	1.75	0.31	1.21
	Conifers	2	0.87	0.92	0.9	0.03	0.04
	Aquatics	0	-	-	-	-	-
	Others	0	-	-	-	-	-
April	Arboreal lichens	1	1.04	1.04	1.04	0	0
	Terrestrial lichens	42	0.48	90.34	51.69	5.78	37.46
	Mosses	46	0.55	19.49	4.98	0.74	4.99
	Graminoids	36	0.5	25.28	5.7	1.07	6.45
	Herbs	12	0.54	3.97	1.36	0.29	1
	Deciduous shrubs	23	0.52	7.87	2.48	0.47	2.23
	Ericads	57	0.64	57.58	8.84	1.9	14.36
	Other evergreens	8	4.82	61.88	22.46	6.24	17.65
	Conifers	15	0.64	98.35	17.73	8.77	33.95
	Aquatics	2	0.79	3.74	2.27	1.48	2.09
	Others	14	0.75	5.11	1.95	0.42	1.59
September	Arboreal lichens	10	0.53	3.18	1.46	0.3	0.93
	Terrestrial lichens	85	0.6	93.52	47.1	3.64	33.57
	Mosses	30	0.51	9.97	1.69	0.35	1.93
	Graminoids	84	0.48	27.3	2.37	0.36	3.3
	Herbs	99	0.45	44.83	4.43	0.73	7.25
	Deciduous shrubs	107	0.53	88.92	10.27	1.81	18.72
	Ericads	60	0.54	8.97	2.29	0.23	1.78
	Other evergreens	7	0.68	2.34	1.29	0.25	0.66
	Conifers	80	0.5	39.65	4.86	0.73	6.55
	Aquatics	6	0.52	5.19	1.99	0.69	1.7
	Others	44	0.53	33.49	4.16	0.95	6.32
October	Arboreal lichens	0	-	-	-	-	-
	Terrestrial lichens	9	0.77	86.14	28.25	9.23	27.69
	Mosses	4	0.77	2.25	1.35	0.32	0.64
	Graminoids	9	1.16	16.73	4.96	1.77	5.3
	Herbs	21	1.4	85.05	16.53	4.9	22.43
	Deciduous shrubs	2	1.16	1.28	1.22	0.06	0.08
	Ericads	12	0.65	14.23	3.87	1.06	3.68
	Other evergreens	1	0.94	0.94	0.94	0	0
	Conifers	4	2.15	5.18	3.95	0.7	1.39
	Aquatics	3	1.28	70.8	24.92	22.94	39.74
	Others	1	8.14	8.14	8.14	0	0

Table 4A-8 (con'd). Descriptive statistics, by month, for mean percent relative density (MPRD) of plant groups identified using caribou rumen samples. Data are for all insular Newfoundland caribou herds combined.

Month	Plant group	N	Minimum MPRD	Maximum MPRD	Mean MPRD	Standard error	Standard deviation
December	Arboreal lichens	0	-	-	-	-	-
	Terrestrial lichens	25	0.64	94.63	69.11	7.04	35.2
	Mosses	9	0.63	1.41	0.88	0.1	0.3
	Graminoids	12	0.51	10.21	2.54	0.81	2.8
	Herbs	2	0.65	0.89	0.77	0.12	0.17
	Deciduous shrubs	14	0.51	3.98	2.15	0.32	1.19
	Ericads	26	0.63	13.08	6.01	0.77	3.95
	Other evergreens	0	-	-	-	-	-
	Conifers	25	0.59	8.24	1.68	0.33	1.67
	Aquatics	0	-	-	-	-	-
	Others	5	0.52	1.04	0.75	0.1	0.21

Table 4A-9. Descriptive statistics, by month and herd, for mean percent relative density (MPRD) of plant groups identified using fecal samples from individual caribou populations in insular Newfoundland.

Herd	Month	Plant group	N	Minimum MPRD	Maximum MPRD	Mean MPRD	Standard error	Standard deviation
Gros Morne	January	Arboreal lichens	2	1.38	25.93	13.66	12.28	17.36
		Terrestrial lichens	68	1.12	84.02	49.7	2.88	23.74
		Mosses	49	0.84	21.93	2.44	0.45	3.13
		Graminoids	78	0.8	66.16	5.75	1.07	9.47
		Herbs	19	0.77	7.3	2.59	0.39	1.68
		Deciduous shrubs	28	0.76	18.77	2.27	0.67	3.52
		Ericads	114	1.01	78.28	13.02	1.28	13.63
		Other Evergreens	48	0.95	22.43	7.71	0.86	5.95
		Conifers	27	1.05	23.41	3.56	1	5.2
		Aquatics	0	-	-	-	-	-
		Others	25	0.8	18.19	2.46	0.69	3.44
	February	Arboreal lichens	24	0.76	77.35	6.68	3.14	15.4
		Terrestrial lichens	88	0.76	89.88	24.84	3.02	28.36
		Mosses	54	0.74	94.26	12.13	2.78	20.44
		Graminoids	55	0.74	82.59	14.84	2.61	19.33
		Herbs	23	0.71	9.44	2.33	0.5	2.38
		Deciduous shrubs	37	0.86	33.12	5.07	1.06	6.43
		Ericads	80	0.76	34.78	6.44	0.8	7.12
		Other Evergreens	47	0.81	27.65	6.26	0.73	5.02
		Conifers	73	0.89	28.75	5.81	0.76	6.48
		Aquatics	0	-	-	-	-	-
		Others	23	0.7	24.72	4.74	1.25	5.99
	March	Arboreal lichens	28	0.62	87.02	11.16	4.15	21.98
		Terrestrial lichens	82	0.77	91.67	28.17	3.25	29.4
		Mosses	48	0.5	32.1	5.79	1.03	7.14
		Graminoids	61	0.82	55.88	9.33	1.39	10.84
		Herbs	16	1.23	32.66	5.16	2.04	8.18
		Deciduous shrubs	34	0.77	15.74	3.82	0.72	4.19
		Ericads	90	0.53	44.36	10.82	1.14	10.77
		Other Evergreens	45	0.74	30.44	9.97	1.2	8.07
		Conifers	68	0.72	61.32	7.97	1.35	11.13
		Aquatics	0	-	-	-	-	-
		Others	22	0.5	31.84	6.97	1.93	9.05
	April	Arboreal lichens	18	0.7	16.19	2.63	0.89	3.78
		Terrestrial lichens	105	0.74	98.56	44.81	3.66	37.5
		Mosses	54	0.55	10.17	2.08	0.24	1.73
		Graminoids	81	0.56	29.71	4.36	0.58	5.21
		Herbs	2	0.72	2.68	1.7	0.98	1.39
		Deciduous shrubs	35	0.64	7.48	2.03	0.32	1.88
		Ericads	102	0.54	85.15	13.76	1.89	19.11
		Other Evergreens	37	0.55	63.45	6.96	1.87	11.38
		Conifers	57	0.65	26.51	2.72	0.49	3.73
		Aquatics	0	-	-	-	-	-
		Others	26	0.7	5.48	1.61	0.22	1.11

Table 4A-9 (con'd). Descriptive statistics, by month and herd, for mean percent relative density (MPRD) of plant groups identified using fecal samples from individual caribou populations in insular Newfoundland.

Herd	Month	Plant group	N	Minimum MPRD	Maximum MPRD	Mean MPRD	Standard error	Standard deviation
Gros Morne (con'd)	May	Arboreal lichens	10	0.64	2.42	1.1	0.16	0.51
		Terrestrial lichens	117	0.71	98.32	67.88	3.07	33.24
		Mosses	72	0.54	10.56	2.39	0.23	1.98
		Mosses	72	0.54	10.56	2.39	0.23	1.98
		Graminoids	159	0.55	31.27	3.7	0.43	5.37
		Herbs	53	0.67	21.79	2.57	0.45	3.26
		Deciduous shrubs	42	0.56	7.94	1.62	0.24	1.54
		Ericads	82	0.67	70.34	7.07	1.31	11.87
		Other Evergreens	47	0.55	11.54	2.63	0.38	2.61
		Conifers	57	0.56	18.84	2.33	0.42	3.17
		Aquatics	0	-	-	-	-	-
		Others	32	0.55	4.39	1.46	0.15	0.86
	June	Arboreal lichens	1	1.88	1.88	1.88	0	0
		Terrestrial lichens	22	0.68	88.1	44.98	6.98	32.73
		Mosses	20	0.87	10.83	4.1	0.71	3.19
		Graminoids	26	0.68	27.99	10.03	1.6	8.16
		Herbs	23	0.98	87.49	19.52	5.6	26.84
		Deciduous shrubs	20	1	83.66	14.2	5.56	24.86
		Ericads	28	0.68	24.21	6.58	1.23	6.52
		Other Evergreens	6	0.95	3.7	2.21	0.53	1.31
		Conifers	11	0.68	8.24	2.66	0.71	2.36
		Aquatics	0	-	-	-	-	-
		Others	8	0.98	11.05	2.94	1.22	3.45
	July	Arboreal lichens	7	0.98	2.9	1.54	0.24	0.64
		Terrestrial lichens	88	0.77	91.33	8.74	1.92	18.05
		Mosses	30	0.83	12.22	2.73	0.53	2.9
		Graminoids	186	0.66	79.05	13.93	1.14	15.57
		Herbs	197	1.17	91.72	29.78	1.51	21.19
		Deciduous shrubs	131	0.7	58.47	3.87	0.49	5.57
		Ericads	76	0.77	19.05	3.88	0.45	3.91
		Other Evergreens	30	0.66	4.6	1.97	0.21	1.16
		Conifers	49	0.79	7.05	1.96	0.18	1.29
		Aquatics	1	1.38	1.38	1.38	0	0
		Others	15	0.79	13.2	2.27	0.8	3.1
	August	Arboreal lichens	6	1	6.47	2.17	0.86	2.11
		Terrestrial lichens	67	0.83	63.02	9.32	1.68	13.76
		Mosses	29	0.68	7.48	1.71	0.25	1.35
		Graminoids	131	0.67	79.67	17.91	1.87	21.46
		Herbs	152	0.84	92.08	21.85	1.95	24.05
		Deciduous shrubs	129	0.62	35.46	7.65	0.67	7.65
		Ericads	59	0.94	11.9	3.03	0.32	2.46
		Other Evergreens	10	0.84	6.99	2.02	0.58	1.84
		Conifers	14	0.65	3.04	1.46	0.17	0.63
		Aquatics	0	-	-	-	-	-
		Others	22	0.79	2.96	1.72	0.15	0.72

Table 4A-9 (con'd). Descriptive statistics, by month and herd, for mean percent relative density (MPRD) of plant groups identified using fecal samples from individual caribou populations in insular Newfoundland.

Herd	Month	Plant group	N	Minimum MPRD	Maximum MPRD	Mean MPRD	Standard error	Standard deviation
Gros Morne (con'd)	September	Arboreal lichens	4	1.01	1.93	1.34	0.22	0.43
		Terrestrial lichens	43	0.81	92.51	45.82	5.73	37.54
		Mosses	22	0.83	6.07	2.02	0.32	1.49
		Graminoids	41	0.83	22.1	3.81	0.68	4.33
		Herbs	44	0.81	57.34	7.94	1.66	11
		Deciduous shrubs	24	0.7	17.49	2.33	0.68	3.32
		Ericads	36	0.83	22.04	6.46	0.95	5.69
		Other Evergreens	10	0.55	14.4	4.16	1.67	5.29
		Conifers	8	0.89	1.88	1.38	0.1	0.28
		Aquatics	1	0.83	0.83	0.83	0	0
		Others	17	0.86	4.72	1.93	0.32	1.31
	October	Arboreal lichens	1	2.58	2.58	2.58	0	0
		Terrestrial lichens	64	0.71	93.36	66.25	3.74	29.92
		Mosses	52	0.55	10.94	2.17	0.24	1.74
		Graminoids	67	0.54	7.98	2.23	0.22	1.77
		Herbs	47	0.7	23.79	3.65	0.73	5.01
		Deciduous shrubs	53	0.67	41.19	4.59	1.08	7.84
		Ericads	66	0.7	12.82	3.41	0.35	2.82
		Other Evergreens	36	0.83	9.61	3.08	0.38	2.29
		Conifers	26	0.55	10.38	2.12	0.51	2.6
		Aquatics	4	0.92	2.05	1.26	0.27	0.53
		Others	49	0.81	16.09	3.77	0.57	3.96
	November	Arboreal lichens	4	0.84	1.39	1.16	0.13	0.27
		Terrestrial lichens	74	0.54	93.69	48.22	3.89	33.44
		Mosses	51	0.75	12.18	2.85	0.33	2.35
		Graminoids	50	0.71	16.64	2.66	0.41	2.86
		Herbs	72	0.74	35.88	7	0.93	7.9
		Deciduous shrubs	34	0.72	12.9	1.88	0.42	2.45
		Ericads	77	0.71	27.33	3.9	0.5	4.43
		Other Evergreens	53	0.72	29.72	5.06	0.69	5.03
		Conifers	44	0.6	4.65	1.77	0.17	1.12
		Aquatics	3	0.73	4.38	2.46	1.06	1.83
		Others	29	0.77	14.22	4.38	0.68	3.67
	December	Arboreal lichens	2	0.81	1.07	0.94	0.13	0.18
		Terrestrial lichens	65	0.83	95.64	54.87	3.61	29.14
		Mosses	59	0.56	7.86	2.11	0.2	1.54
		Graminoids	70	0.77	29.44	4.4	0.67	5.59
		Herbs	26	0.56	28.84	3.39	1.17	5.94
		Deciduous shrubs	33	0.77	13.7	3.3	0.63	3.62
		Ericads	102	0.6	42.57	7.62	0.68	6.85
		Other Evergreens	51	0.69	17.22	5.17	0.61	4.35
		Conifers	25	0.54	33.64	3.06	1.31	6.56
		Aquatics	1	2.61	2.61	2.61	0	0
		Others	26	0.67	9.13	3.15	0.52	2.67

Table 4A-9 (con'd). Descriptive statistics, by month and herd, for mean percent relative density (MPRD) of plant groups identified using fecal samples from individual caribou populations in insular Newfoundland.

Herd	Month	Plant group	N	Minimum MPRD	Maximum MPRD	Mean MPRD	Standard error	Standard deviation
Corner Brook Lakes	January	Arboreal lichens	2	0.66	4.11	2.39	1.73	2.44
		Terrestrial lichens	18	0.75	83.7	35.94	8.41	35.66
		Mosses	6	1.67	20.14	6.29	2.91	7.13
		Graminoids	7	0.7	18.41	5.92	2.53	6.69
		Herbs	6	1.33	1.58	1.44	0.05	0.11
		Deciduous shrubs	13	0.79	7.26	3.09	0.64	2.31
		Ericads	10	0.7	6.63	2.51	0.58	1.82
		Other Evergreens	14	0.75	15.69	5.58	1.38	5.18
		Conifers	18	0.7	21.46	6.3	1.46	6.21
		Aquatics	0	-	-	-	-	-
		Others	3	0.87	1.6	1.28	0.22	0.37
	February	Arboreal lichens	3	0.87	22.34	8.24	7.05	12.22
		Terrestrial lichens	13	0.7	81.42	22.66	7.82	28.2
		Mosses	4	0.87	2.8	1.84	0.55	1.09
		Graminoids	3	0.92	1.5	1.31	0.19	0.33
		Herbs	6	0.89	41.09	9.65	6.42	15.73
		Deciduous shrubs	6	1.14	27.92	6.64	4.28	10.48
		Ericads	13	0.83	26.03	9.76	2.36	8.51
		Other Evergreens	9	0.75	17.78	7.63	2.06	6.19
		Conifers	17	0.87	92.87	21.43	6.78	27.95
		Aquatics	1	1.51	1.51	1.51	0	0
		Others	2	3.24	7.23	5.24	2	2.82
	March	Arboreal lichens	2	1	7.86	4.43	3.43	4.85
		Terrestrial lichens	5	0.81	91.48	53.39	16.02	35.82
		Mosses	2	7.38	11.56	9.47	2.09	2.96
		Graminoids	4	0.81	7.64	3.56	1.48	2.95
		Herbs	1	0.71	0.71	0.71	0	0
		Deciduous shrubs	5	0.71	2.85	1.32	0.39	0.87
		Ericads	6	0.94	41.54	12.45	6.38	15.62
		Other Evergreens	0	-	-	-	-	-
		Conifers	4	1.17	2.87	2.25	0.4	0.8
		Aquatics	0	-	-	-	-	-
		Others	0	-	-	-	-	-
	April	Arboreal lichens	7	0.75	10.38	3.35	1.31	3.47
		Terrestrial lichens	20	0.73	69.06	16.28	5.06	22.62
		Mosses	12	1.21	8.04	3.85	0.76	2.63
		Graminoids	19	1.34	28.24	7.8	1.96	8.53
		Herbs	20	1.39	34.55	12.05	2.07	9.24
		Deciduous shrubs	16	0.82	15.53	5.66	1.31	5.25
		Ericads	24	0.82	24.93	10.04	1.65	8.1
		Other Evergreens	9	1.26	4.29	2.11	0.33	1
		Conifers	30	0.73	69.4	15.35	3.75	20.53
		Aquatics	0	-	-	-	-	-
		Others	3	0.73	2.66	1.49	0.59	1.03

Table 4A-9 (con'd). Descriptive statistics, by month and herd, for mean percent relative density (MPRD) of plant groups identified using fecal samples from individual caribou populations in insular Newfoundland.

Herd	Month	Plant group	N	Minimum MPRD	Maximum MPRD	Mean MPRD	Standard error	Standard deviation
Corner Brook Lakes (con'd)	May	Arboreal lichens	5	1.34	7.13	3.58	1.05	2.36
		Terrestrial lichens	6	1.13	86.43	49.11	16.2	39.68
		Mosses	2	1.19	2.99	2.09	0.9	1.27
		Graminoids	3	1.35	14.75	6.95	4.02	6.97
		Herbs	2	2.64	41.27	21.96	19.32	27.32
		Deciduous shrubs	6	1.13	2.85	1.68	0.34	0.83
		Ericads	7	1.04	9.78	3.8	1.13	2.99
		Other evergreens	0	-	-	-	-	-
		Conifers	13	1.04	21.62	4.81	1.59	5.74
		Aquatics	1	1.34	1.34	1.34	0	0
		Others	5	1.13	7.33	3.24	1.21	2.71
	August	Arboreal lichens	4	1.32	4.34	2.6	0.66	1.32
		Terrestrial lichens	7	0.74	24.19	7.6	3.26	8.64
		Mosses	2	1.53	2.99	2.26	0.73	1.03
		Graminoids	10	1.06	51.44	10.95	5.23	16.53
		Herbs	13	1.4	28.32	8.8	2.23	8.02
		Deciduous shrubs	8	2.61	78.25	20.14	10.3	29.13
		Ericads	3	1.45	3	1.99	0.5	0.87
		Other evergreens	0	-	-	-	-	-
		Conifers	11	1.06	36.19	8.83	3.29	10.91
		Aquatics	0	-	-	-	-	-
		Others	0	-	-	-	-	-
	September	Arboreal lichens	6	0.84	6.33	2.55	0.84	2.05
		Terrestrial lichens	17	1.19	89.37	34.07	7.11	29.31
		Mosses	14	0.79	7.8	2.17	0.49	1.83
		Graminoids	16	1.28	29.57	11	2.36	9.43
		Herbs	35	0.87	60.37	9.38	2.2	13.01
		Deciduous shrubs	30	0.84	25.11	6.18	1.18	6.44
		Ericads	8	0.94	4.51	1.82	0.42	1.2
		Other evergreens	2	1.07	2.33	1.7	0.63	0.89
		Conifers	24	0.89	20.82	6.72	1.13	5.52
		Aquatics	1	1.28	1.28	1.28	0	0
		Others	4	0.94	1.6	1.27	0.14	0.27
	October	Arboreal lichens	3	0.81	1.55	1.22	0.22	0.38
		Terrestrial lichens	26	0.65	93.87	42.34	7.36	37.54
		Mosses	17	0.71	4.29	1.55	0.27	1.11
		Graminoids	20	0.73	45.23	13.58	3.34	14.95
		Herbs	24	0.77	28.25	4.99	1.32	6.49
		Deciduous shrubs	25	0.71	18.17	3.84	0.75	3.75
		Ericads	15	0.67	3.7	1.57	0.23	0.9
		Other evergreens	11	0.85	10.35	2.86	0.9	2.98
		Conifers	19	0.76	38.85	11.91	2.8	12.21
		Aquatics	0	-	-	-	-	-
		Others	0	-	-	-	-	-

Table 4A-9 (con'd). Descriptive statistics, by month and herd, for mean percent relative density (MPRD) of plant groups identified using fecal samples from individual caribou populations in insular Newfoundland.

Herd	Month	Plant group	N	Minimum MPRD	Maximum MPRD	Mean MPRD	Standard error	Standard deviation
Corner Brook Lakes (con'd)	November	Arboreal lichens	3	0.84	1.19	1.03	0.1	0.18
		Terrestrial lichens	38	0.62	92.37	43.81	5.16	31.83
		Mosses	16	0.77	8.61	2.52	0.53	2.11
		Graminoids	23	0.77	13.85	3.05	0.8	3.81
		Herbs	28	0.54	49.48	9.54	2.1	11.1
		Deciduous shrubs	20	0.54	43.74	4.41	2.14	9.56
		Ericads	31	0.74	24.84	8.58	1.41	7.86
		Other evergreens	21	0.99	16.38	6.16	0.96	4.41
		Conifers	28	0.92	21.76	3.77	0.85	4.52
		Aquatics	0	-	-	-	-	-
		Others	2	2.2	4.21	3.21	1.01	1.42
	December	Arboreal lichens	8	0.67	7.6	2.84	0.94	2.66
		Terrestrial lichens	28	0.87	93.59	31.84	6.75	35.72
		Mosses	4	0.79	4.42	1.96	0.84	1.68
		Graminoids	9	0.81	4.79	2.14	0.43	1.29
		Herbs	15	0.67	27.13	6.41	1.85	7.15
		Deciduous shrubs	16	0.68	8.02	2.1	0.45	1.79
		Ericads	21	0.67	41.54	6.77	2.51	11.52
		Other evergreens	19	0.68	14.5	4.4	0.96	4.2
		Conifers	18	0.68	86.85	16.44	6.46	27.41
		Aquatics	0	-	-	-	-	-
		Others	6	0.81	1.54	1.23	0.11	0.28
Middle Ridge	April	Arboreal lichens	3	1.04	2.4	1.64	0.4	0.69
		Terrestrial lichens	27	0.6	81.15	42.42	5.82	30.22
		Mosses	18	0.65	4.81	1.67	0.32	1.35
		Graminoids	26	0.63	64.48	14.7	3.19	16.27
		Herbs	1	1.01	1.01	1.01	0	0
		Deciduous shrubs	21	0.75	7.35	2.88	0.4	1.85
		Ericads	35	0.65	46.6	9.17	1.62	9.6
		Other evergreens	0	-	-	-	-	-
		Conifers	10	0.76	4.22	1.92	0.41	1.28
		Aquatics	3	0.56	1.01	0.78	0.13	0.23
		Others	14	0.72	8.72	2.4	0.59	2.19
	June	Arboreal lichens	8	1.28	14.41	4.78	1.73	4.9
		Terrestrial lichens	20	0.87	86.94	36.6	5.88	26.3
		Mosses	16	0.67	4.95	1.71	0.3	1.2
		Graminoids	27	1.16	26.83	9.23	1.62	8.42
		Herbs	29	0.97	31.35	9.62	1.54	8.32
		Deciduous shrubs	22	0.87	46.38	6.18	2.03	9.51
		Ericads	21	0.93	10.33	3.32	0.67	3.06
		Other evergreens	0	-	-	-	-	-
		Conifers	6	0.82	3.58	1.51	0.42	1.03
		Aquatics	0	-	-	-	-	-
		Others	4	0.82	2.72	1.48	0.42	0.85

Table 4A-9 (con'd). Descriptive statistics, by month and herd, for mean percent relative density (MPRD) of plant groups identified using fecal samples from individual caribou populations in insular Newfoundland.

Herd	Month	Plant group	N	Minimum MPRD	Maximum MPRD	Mean MPRD	Standard error	Standard deviation
Middle Ridge (con'd)	July	Arboreal lichens	28	0.75	46.14	8.31	2.29	12.1
		Terrestrial lichens	54	1.05	94.17	25.7	3.48	25.6
		Mosses	52	0.55	10.27	2.69	0.27	1.97
		Graminoids	50	0.81	57.18	13.84	2.1	14.83
		Herbs	64	1.02	74.46	8.83	1.75	14.02
		Deciduous shrubs	58	0.82	88.92	17.48	3.26	24.8
		Ericads	33	0.67	7	2.22	0.26	1.51
		Other evergreens	1	3.72	3.72	3.72	0	0
		Conifers	21	1.08	3.09	1.84	0.15	0.68
		Aquatics	3	1.16	2.8	1.74	0.53	0.92
		Others	25	0.82	5.06	1.91	0.21	1.03
	August	Arboreal lichens	23	0.57	27.43	6.96	1.38	6.62
		Terrestrial lichens	46	0.83	76.04	21.12	3.38	22.89
		Mosses	31	0.74	22.87	3.7	0.79	4.42
		Graminoids	41	0.7	35.62	6.91	1.19	7.62
		Herbs	59	0.57	89.2	12.76	2.52	19.36
		Deciduous shrubs	54	0.76	86.4	21.23	3.64	26.72
		Ericads	31	0.68	12.72	2.54	0.44	2.46
		Other evergreens	1	3.08	3.08	3.08	0	0
		Conifers	20	0.75	24.41	2.71	1.16	5.2
		Aquatics	3	1.53	20.12	11.37	5.39	9.34
		Others	28	0.36	21.16	3.46	0.81	4.3
	September	Arboreal lichens	5	0.79	3.53	1.84	0.5	1.11
		Terrestrial lichens	7	0.87	88.64	54.84	14.26	37.73
		Mosses	5	1.84	14.84	8.75	2.17	4.85
		Graminoids	3	0.86	1.75	1.24	0.26	0.46
		Herbs	4	0.92	4	1.8	0.74	1.47
		Deciduous shrubs	1	3.53	3.53	3.53	0	0
		Ericads	5	0.94	17.64	5.84	3.01	6.73
		Other evergreens	1	5.51	5.51	5.51	0	0
		Conifers	3	0.81	0.94	0.87	0.04	0.07
		Aquatics	0	-	-	-	-	-
		Others	4	0.87	4.55	2.85	0.77	1.53
Avalon	June	Arboreal lichens	1	0.74	0.74	0.74	0	0
		Terrestrial lichens	48	0.63	87.72	47.03	4.02	27.86
		Mosses	23	0.65	11.66	4.85	0.66	3.14
		Graminoids	77	0.6	58.34	8.49	1.54	13.53
		Herbs	78	0.6	18.01	3.41	0.39	3.46
		Deciduous shrubs	38	0.6	46.95	12.33	2.06	12.72
		Ericads	51	0.6	10.77	2.23	0.27	1.93
		Other Evergreens	4	0.73	1.3	0.97	0.13	0.27
		Conifers	12	0.64	2.83	1.31	0.21	0.74
		Aquatics	1	1.07	1.07	1.07	0	0
		Others	6	0.65	2.3	1.25	0.25	0.62

Table 4A-9 (con'd). Descriptive statistics, by month and herd, for mean percent relative density (MPRD) of plant groups identified using fecal samples from individual caribou populations in insular Newfoundland.

Herd	Month	Plant group	N	Minimum MPRD	Maximum MPRD	Mean MPRD	Standard error	Standard deviation
Grey Island	April	Arboreal lichens	0	-	-	-	-	-
		Terrestrial lichens	18	0.71	86.55	34.93	8.31	35.28
		Mosses	13	0.63	15.71	5.31	1.29	4.65
		Graminoids	7	0.64	2.21	1.29	0.26	0.69
		Herbs	0	-	-	-	-	-
		Deciduous shrubs	12	0.61	5.28	1.93	0.45	1.57
		Ericads	17	0.52	24.89	7.58	1.75	7.22
		Other Evergreens	5	0.61	16.24	4.41	2.97	6.64
		Conifers	11	0.65	91.35	10.75	8.1	26.86
		Aquatics	0	-	-	-	-	-
		Others	0	-	-	-	-	-
Grey River	December	Arboreal lichens	4	0.66	8.52	2.67	1.95	3.9
		Terrestrial lichens	22	0.98	93.13	71.7	5.43	25.45
		Mosses	15	0.53	8.66	2.04	0.56	2.15
		Graminoids	12	0.77	6.3	1.91	0.47	1.63
		Herbs	1	0.72	0.72	0.72	0	0
		Deciduous shrubs	20	0.81	7.99	3.17	0.51	2.29
		Ericads	31	0.71	30.36	6.92	1.18	6.59
		Other Evergreens	3	0.8	0.89	0.85	0.03	0.05
		Conifers	19	0.71	19.21	3.82	1.13	4.92
		Aquatics	0	-	-	-	-	-
		Others	5	0.45	0.94	0.78	0.09	0.2
Mount Peyton	June	Arboreal lichens	4	0.76	1.68	1.1	0.22	0.43
		Terrestrial lichens	43	0.78	82.3	39.02	4.02	26.37
		Mosses	23	0.58	5.7	1.47	0.28	1.33
		Graminoids	63	0.58	74.62	21.26	2.64	20.94
		Herbs	14	0.57	8.55	2.49	0.62	2.31
		Deciduous shrubs	41	0.73	9.7	3.38	0.36	2.32
		Ericads	20	0.57	3.71	1.65	0.19	0.84
		Other evergreens	30	0.56	18.78	3.61	0.71	3.89
		Conifers	14	0.58	3	1.62	0.23	0.86
		Aquatics	0	-	-	-	-	-
		Others	5	0.85	1.14	1.01	0.06	0.13
Merasheen Island	September	Arboreal lichens	8	0.71	3.06	1.38	0.34	0.96
		Terrestrial lichens	57	0.51	92.53	43.71	4.39	33.17
		Mosses	26	0.64	11.94	2.07	0.46	2.36
		Graminoids	64	0.52	15.53	2.7	0.36	2.89
		Herbs	59	0.64	87.81	5.28	1.52	11.65
		Deciduous shrubs	87	0.62	93.57	15.76	2.75	25.65
		Ericads	29	0.7	11.14	3.04	0.51	2.73
		Other evergreens	6	0.53	1.78	0.96	0.18	0.45
		Conifers	59	0.55	32.14	3.9	0.82	6.31
		Aquatics	6	1.66	14.01	4.7	1.93	4.74
		Others	31	0.53	24.06	3.42	0.97	5.42

Table 4A-9 (con'd). Descriptive statistics, by month and herd, for mean percent relative density (MPRD) of plant groups identified using fecal samples from individual caribou populations in insular Newfoundland.

Herd	Month	Plant group	N	Minimum MPRD	Maximum MPRD	Mean MPRD	Standard error	Standard deviation
Pot Hill	June	Arboreal lichens	4	0.79	4.35	2.02	0.84	1.68
		Terrestrial lichens	19	0.75	81.28	51.84	5.74	25.01
		Mosses	23	0.51	6.01	1.66	0.29	1.38
		Graminoids	33	0.72	41.57	14.34	1.78	10.21
		Herbs	0	-	-	-	-	-
		Deciduous shrubs	21	0.69	5.99	2.23	0.32	1.45
		Ericads	10	0.7	5.21	1.85	0.43	1.35
		Other evergreens	11	0.7	8.01	2.51	0.72	2.39
		Conifers	2	0.77	1.29	1.03	0.26	0.37
		Aquatics	1	0.61	0.61	0.61	0	0
		Others	0	-	-	-	-	-

Table 4A-10. Descriptive statistics, by month and herd, for mean percent relative density (MPRD) of plant groups identified using rumen samples from individual caribou populations in insular Newfoundland.

Herd	Month	Plant groups	N	Minimum MPRD	Maximum MPRD	Mean MPRD	Standard error	Standard deviation
Grey Island	April	Arboreal lichens	1	1.04	1.04	1.04	0	0
		Terrestrial lichens	15	0.48	88.41	34.5	8.67	33.56
		Mosses	9	0.7	7.5	3.03	0.69	2.07
		Graminoids	5	0.5	2.17	1.28	0.29	0.65
		Herbs	0	-	-	-	-	-
		Deciduous shrubs	3	0.58	1.15	0.82	0.17	0.3
		Ericads	0	-	-	-	-	-
		Other evergreens	8	4.82	61.88	22.46	6.24	17.65
		Conifers	6	0.77	45.23	10.94	6.98	17.11
		Aquatics	0	-	-	-	-	-
		Others	0	-	-	-	-	-
Grey River	October	Arboreal lichens	0	-	-	-	-	-
		Terrestrial lichens	9	0.77	86.14	28.25	9.23	27.69
		Mosses	4	0.77	2.25	1.35	0.32	0.64
		Graminoids	9	1.16	16.73	4.96	1.77	5.3
		Herbs	21	1.4	85.05	16.53	4.9	22.43
		Deciduous shrubs	2	1.16	1.28	1.22	0.06	0.08
		Ericads	12	0.65	14.23	3.87	1.06	3.68
		Other evergreens	1	0.94	0.94	0.94	0	0
		Conifers	4	2.15	5.18	3.95	0.7	1.39
		Aquatics	3	1.28	70.8	24.92	22.94	39.74
		Others	1	8.14	8.14	8.14	0	0
	December	Arboreal lichens	0	-	-	-	-	-
		Terrestrial lichens	25	0.64	94.63	69.11	7.04	35.2
		Mosses	9	0.63	1.41	0.88	0.1	0.3
		Graminoids	12	0.51	10.21	2.54	0.81	2.8
		Herbs	2	0.65	0.89	0.77	0.12	0.17
		Deciduous shrubs	14	0.51	3.98	2.15	0.32	1.19
		Ericads	26	0.63	13.08	6.01	0.77	3.95
		Other evergreens	0	-	-	-	-	-
		Conifers	25	0.59	8.24	1.68	0.33	1.67
		Aquatics	0	-	-	-	-	-
		Others	5	0.52	1.04	0.75	0.1	0.21
La Poile	February	Arboreal lichens	0	-	-	-	-	-
		Terrestrial lichens	19	6.03	85.47	43.98	4.97	21.65
		Mosses	0	-	-	-	-	-
		Graminoids	0	-	-	-	-	-
		Herbs	2	0.89	1.36	1.13	0.24	0.33
		Deciduous shrubs	0	-	-	-	-	-
		Ericads	15	2.18	56.86	28.03	4.05	15.67
		Other evergreens	15	0.73	5.52	1.75	0.31	1.21
		Conifers	2	0.87	0.92	0.9	0.03	0.04
		Aquatics	0	-	-	-	-	-
		Others	0	-	-	-	-	-

Table 4A-10 (con'd). Descriptive statistics, by month and herd, for mean percent relative density (MPRD) of plant groups identified using rumen samples from individual caribou populations in insular Newfoundland.

Herd	Month	Plant groups	N	Minimum MPRD	Maximum MPRD	Mean MPRD	Standard error	Standard deviation
La Poile (con'd)	April	Arboreal lichens	5	0.57	6.78	3.81	1.35	3.02
		Terrestrial lichens	28	0.65	87.35	19.37	5.58	29.55
		Mosses	25	0.8	19.49	7.71	1.04	5.2
		Graminoids	14	0.62	3.54	1.44	0.21	0.79
		Herbs	10	0.73	3.97	1.5	0.33	1.04
		Deciduous shrubs	15	0.62	6.68	2.74	0.56	2.16
		Ericads	31	0.75	57.58	14.01	3.22	17.94
		Other evergreens	0	-	-	-	-	-
		Conifers	22	0.75	24.62	6.72	1.33	6.25
		Aquatics	0	-	-	-	-	-
		Others	1	0.92	0.92	0.92	0	0
Middle Ridge	April	Arboreal lichens	0	-	-	-	-	-
		Terrestrial lichens	22	0.7	90.34	74.91	5.24	24.56
		Mosses	12	0.55	0.85	0.75	0.03	0.1
		Graminoids	24	0.59	25.28	7.89	1.42	6.94
		Herbs	0	-	-	-	-	-
		Deciduous shrubs	17	0.52	7.87	3	0.58	2.39
		Ericads	25	0.64	6.94	2.75	0.35	1.74
		Other evergreens	0	-	-	-	-	-
		Conifers	4	0.64	0.89	0.79	0.05	0.11
		Aquatics	2	0.79	3.74	2.27	1.48	2.09
		Others	13	0.75	5.11	2.03	0.45	1.63
	September	Arboreal lichens	3	0.65	1.5	1.12	0.25	0.43
		Terrestrial lichens	8	0.81	93.52	69.48	11.24	31.79
		Mosses	6	0.65	9.97	3.89	1.38	3.39
		Graminoids	6	0.98	4.62	2.14	0.57	1.4
		Herbs	10	0.54	21.5	4.35	2.02	6.4
		Deciduous shrubs	3	0.81	4.94	2.4	1.28	2.22
		Ericads	13	0.54	8.97	2.51	0.63	2.29
		Other evergreens	0	-	-	-	-	-
		Conifers	6	0.67	10.23	3.14	1.47	3.61
		Aquatics	0	-	-	-	-	-
		Others	3	1.02	1.5	1.24	0.14	0.24
Merasheen Island	September	Arboreal lichens	7	0.53	3.18	1.61	0.41	1.08
		Terrestrial lichens	77	0.6	91.1	44.77	3.77	33.08
		Mosses	24	0.51	4.2	1.14	0.16	0.8
		Graminoids	78	0.48	27.3	2.39	0.39	3.4
		Herbs	89	0.45	44.83	4.43	0.78	7.38
		Deciduous shrubs	104	0.53	88.92	10.49	1.86	18.94
		Ericads	47	0.59	5.81	2.23	0.24	1.64
		Other evergreens	7	0.68	2.34	1.29	0.25	0.66
		Conifers	74	0.5	39.65	5	0.78	6.73
		Aquatics	6	0.52	5.19	1.99	0.69	1.7
		Others	41	0.53	33.49	4.38	1.01	6.5

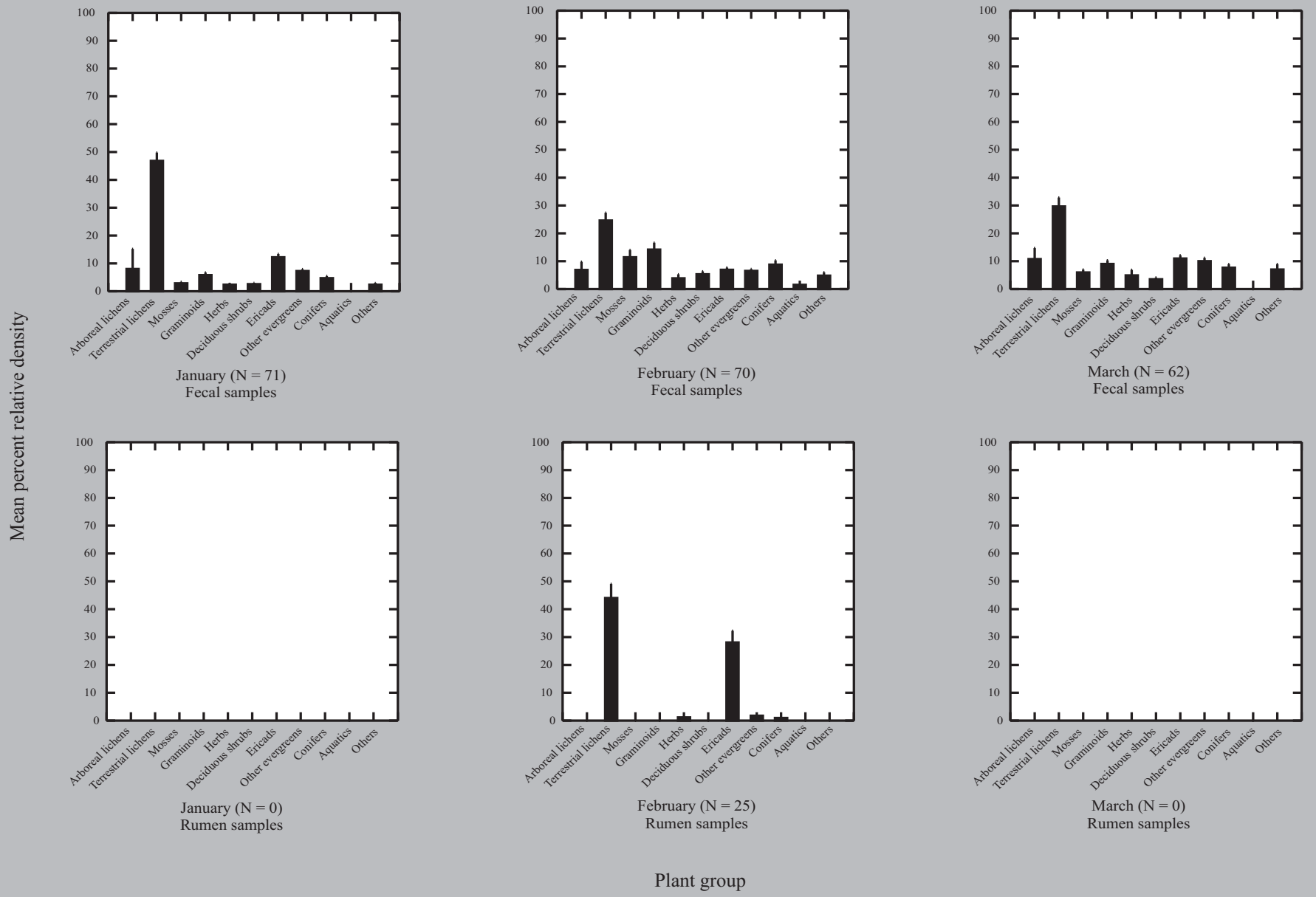


Fig. 4A-15. Mean and standard error for percent relative density of plant groups identified in fecal and rumen samples from insular Newfoundland caribou herds.

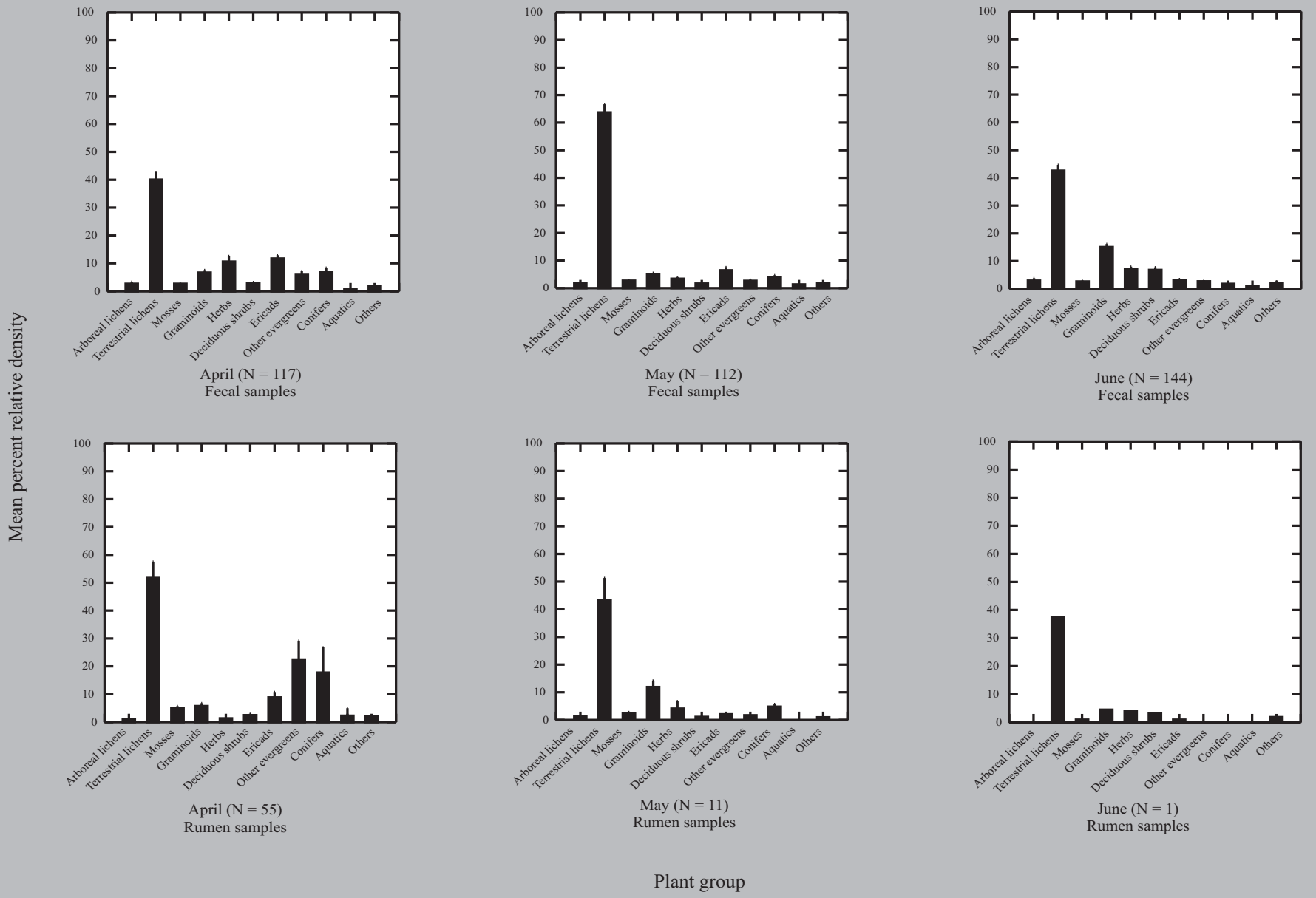


Fig. 4A-15 (con'd). Mean and standard error for percent relative density of plant groups identified in fecal and rumen samples from insular Newfoundland caribou herds.

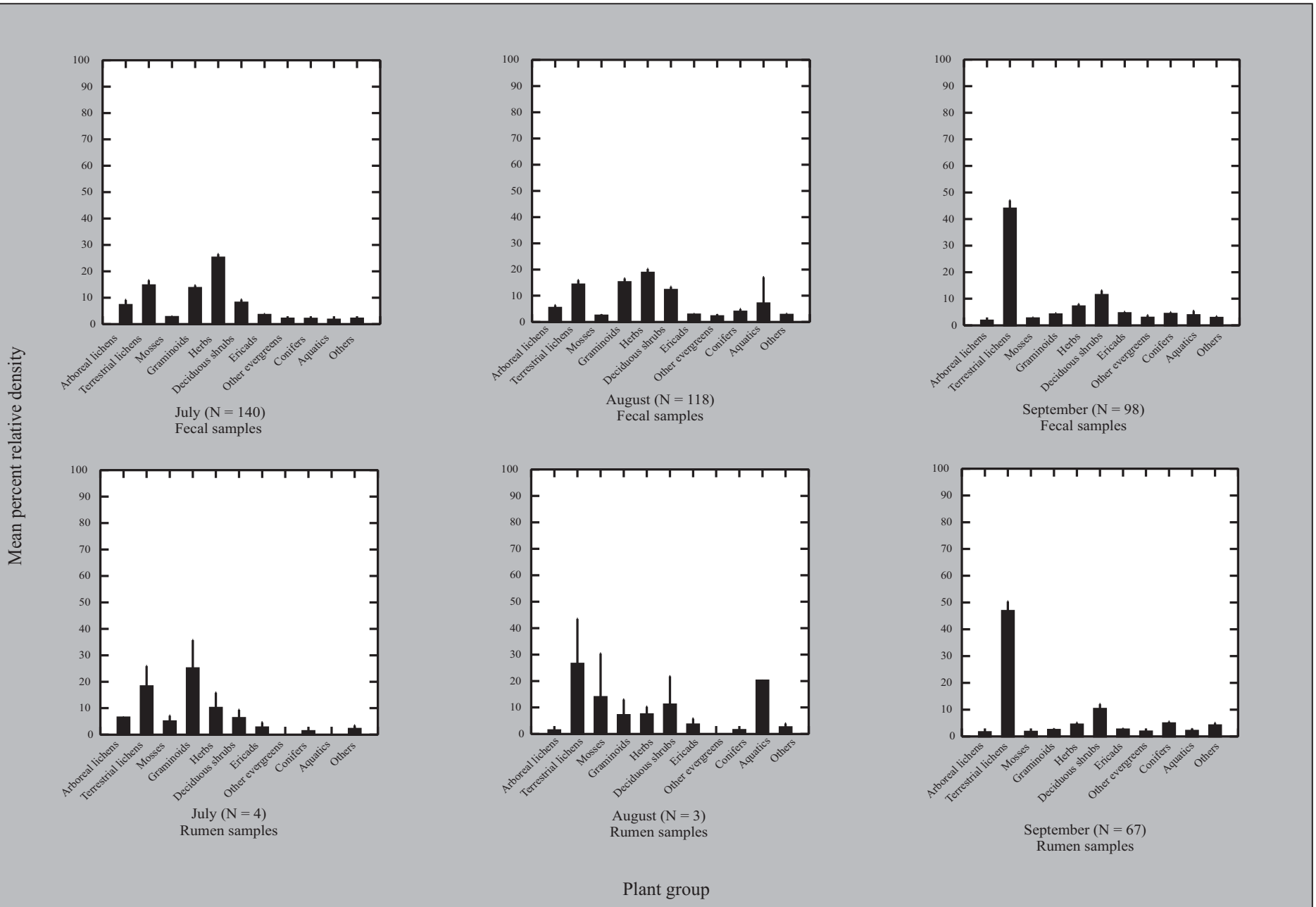


Fig. 4A-15 (con'd). Mean and standard error for percent relative density of plant groups identified in fecal and rumen samples from insular Newfoundland caribou herds.

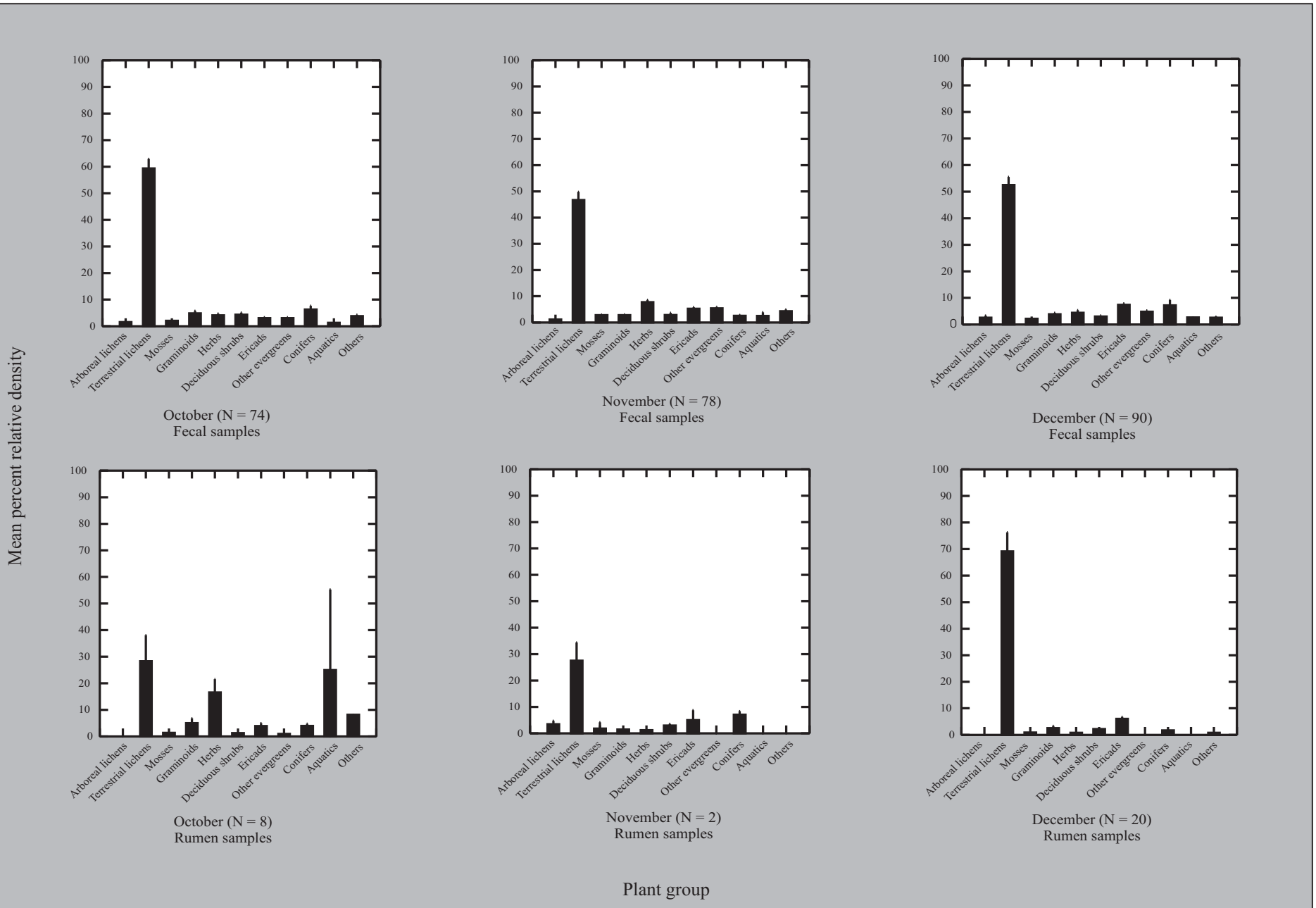


Fig. 4A-15 (con'd). Mean and standard error for percent relative density of plant groups identified in fecal and rumen samples from insular Newfoundland caribou herds.

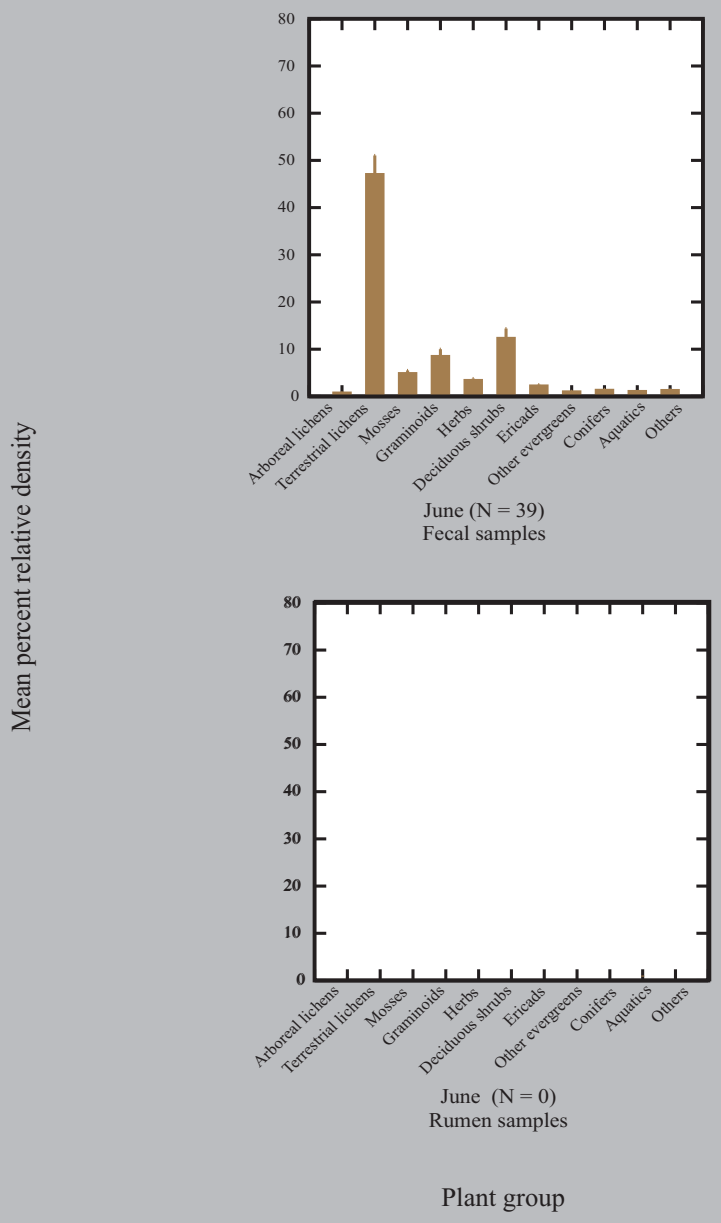


Fig. 4A-16. Mean and standard error for percent relative density of plant groups identified in fecal and rumen samples from the Avalon Caribou Herd.

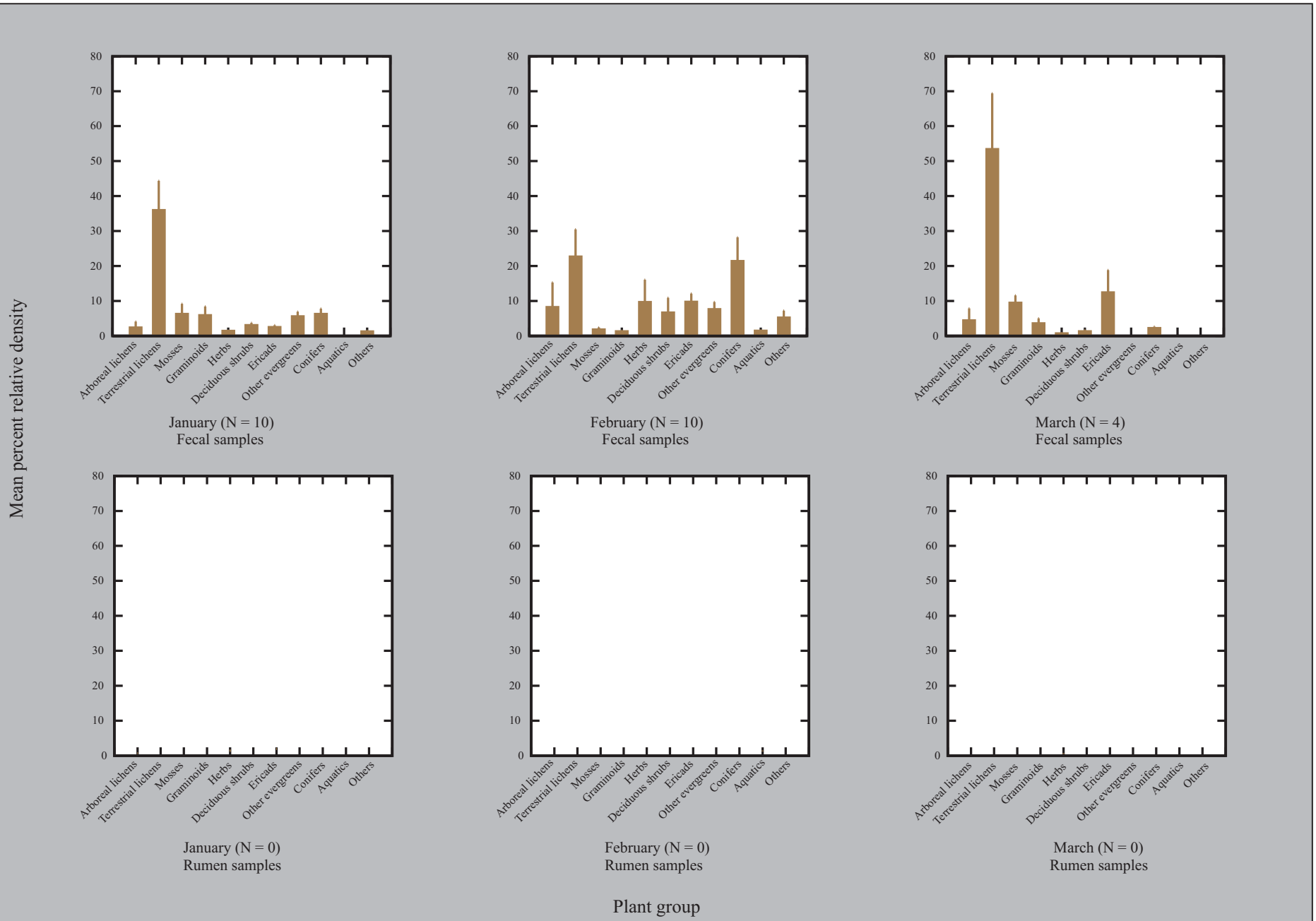


Fig. 4A-17. Mean and standard error for percent relative density of plant groups identified in fecal and rumen samples from the Corner Brook Lakes Caribou Herd.

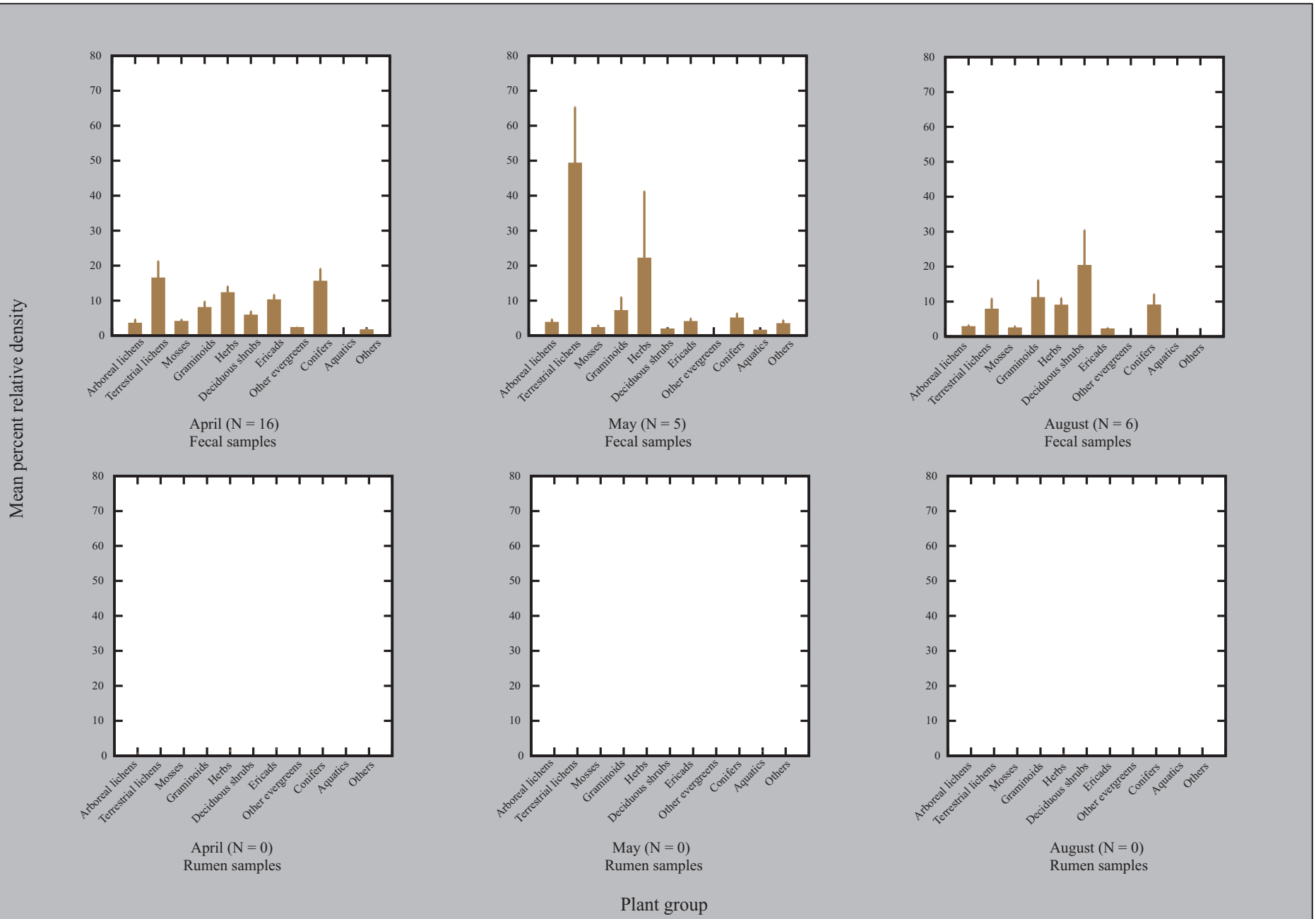


Fig. 4A-17 (con'd). Mean and standard error for percent relative density of plant groups identified in fecal and rumen samples from the Corner Brook Lakes Caribou Herd.

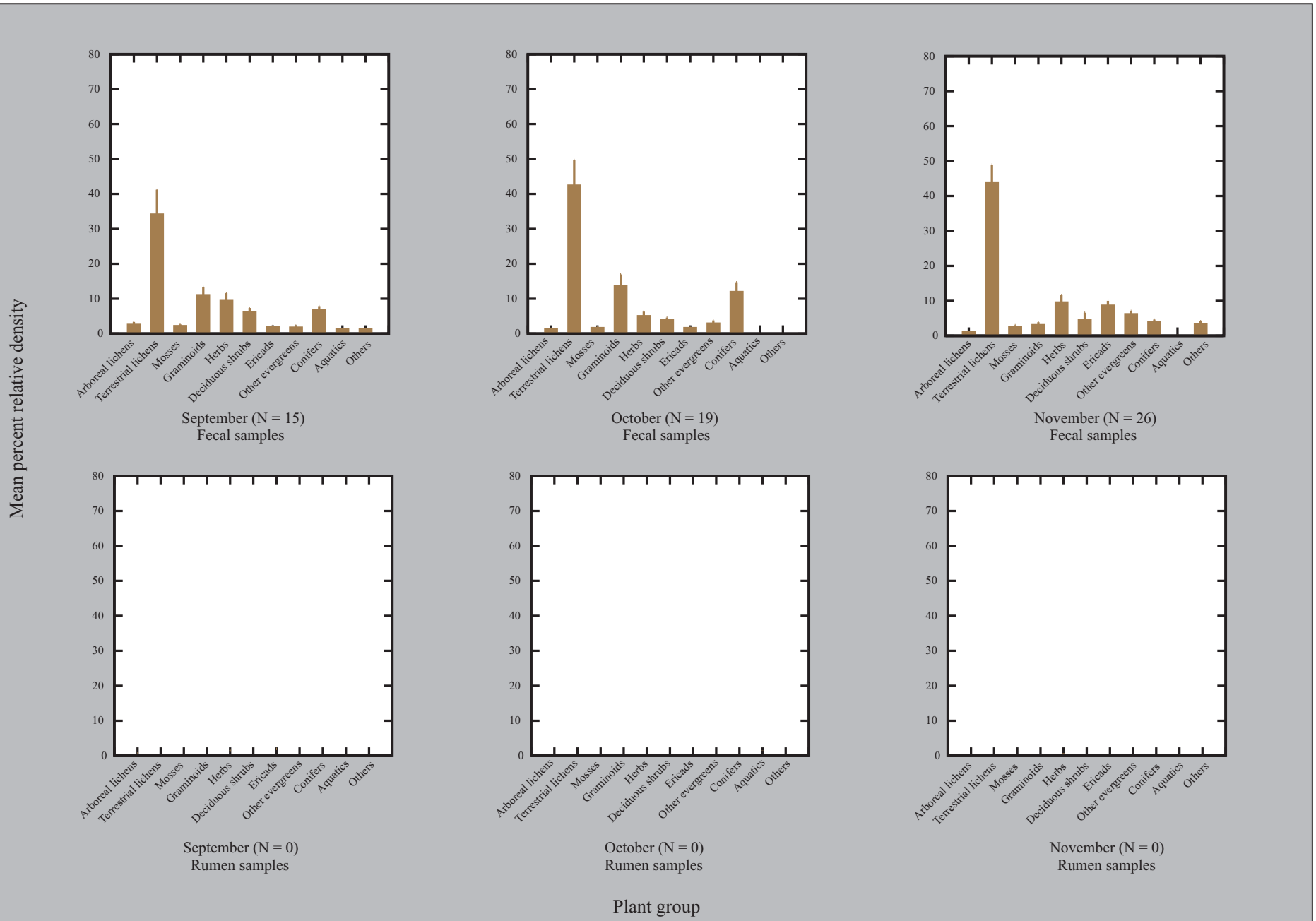


Fig. 4A-17 (con'd). Mean and standard error for percent relative density of plant groups identified in fecal and rumen samples from the Corner Brook Lakes Caribou Herd.

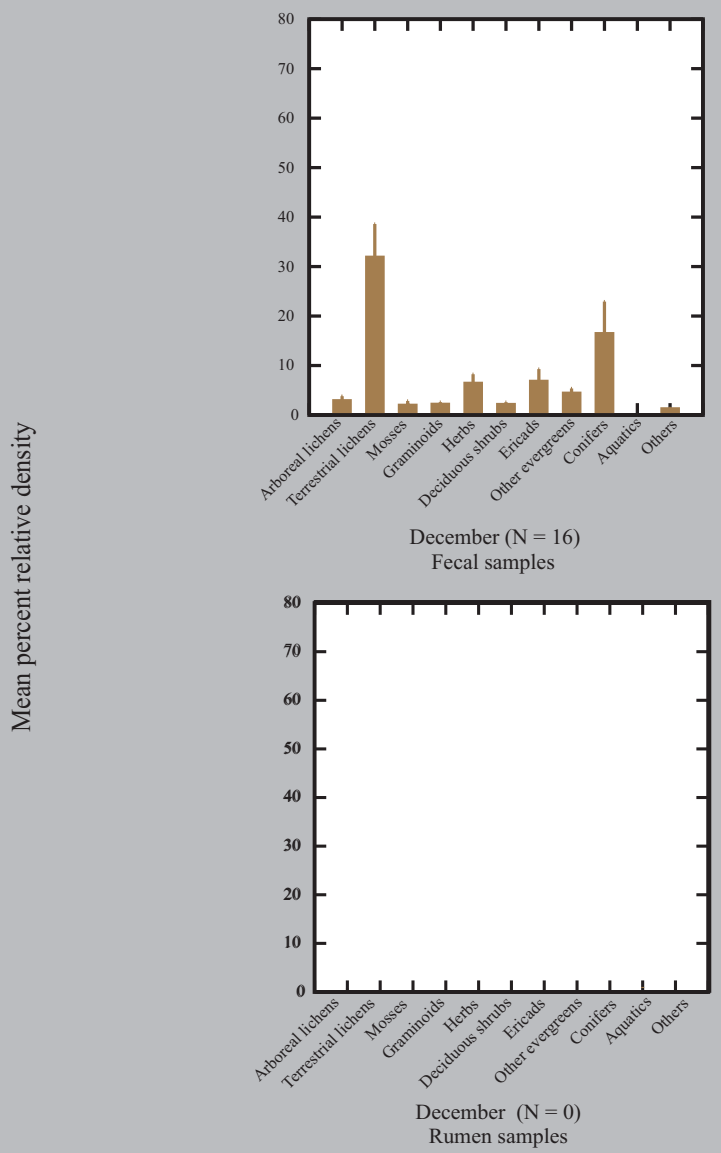


Fig. 4A-17 (con'd). Mean and standard error for percent relative density of plant groups identified in fecal and rumen samples from the Corner Brook Lakes Caribou Herd.

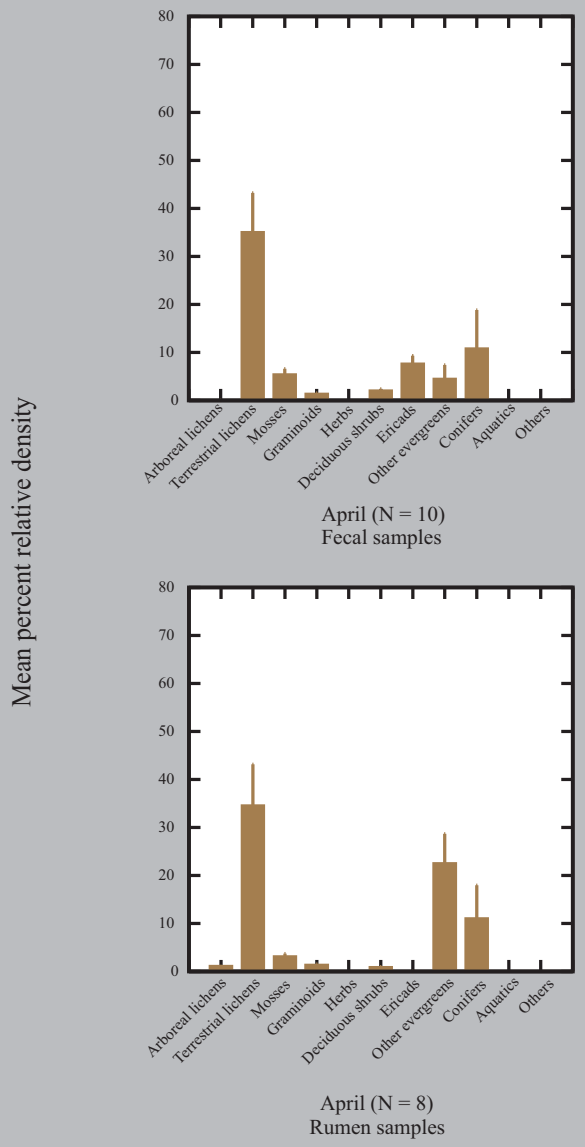


Fig. 4A-18. Mean and standard error for percent relative density of plant groups identified in fecal and rumen samples from the Grey Islands Caribou Herd.

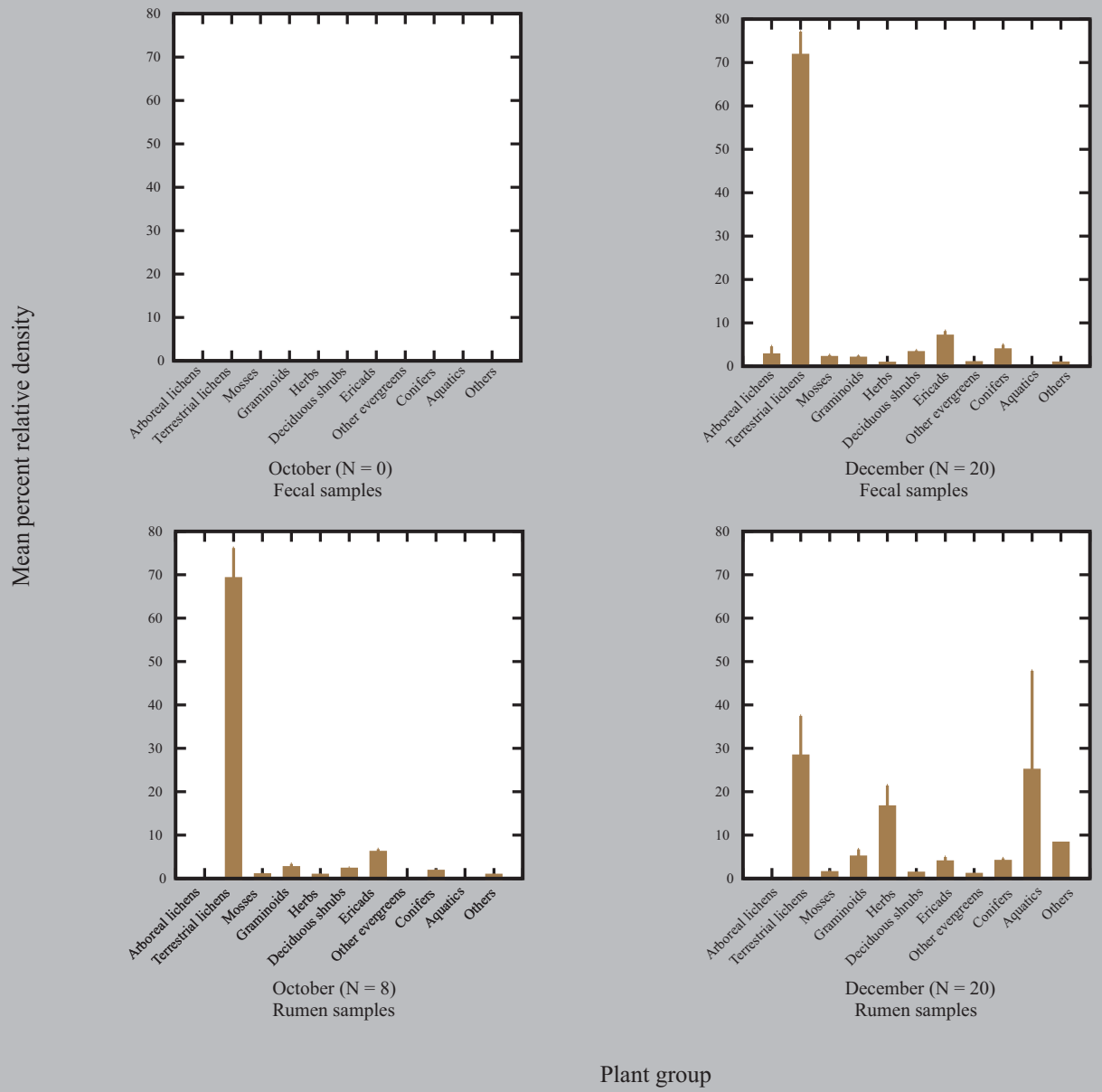


Fig. 4A-19. Mean and standard error for percent relative density of plant groups identified in fecal and rumen samples from the Grey River Caribou Herd.

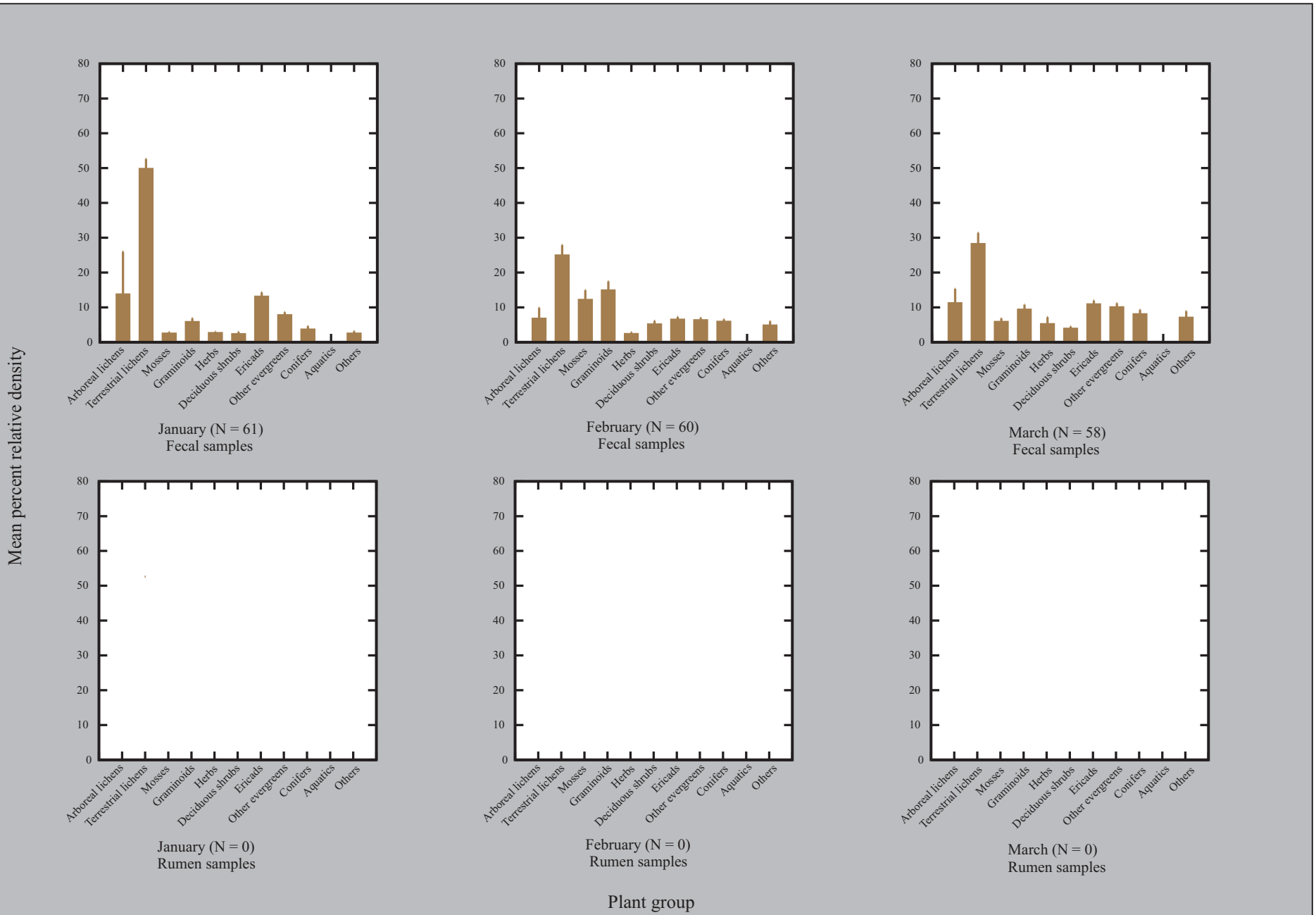


Fig. 4A-20. Mean and standard error for percent relative density of plant groups identified in fecal and rumen samples from the Gros Morne Caribou Herd.

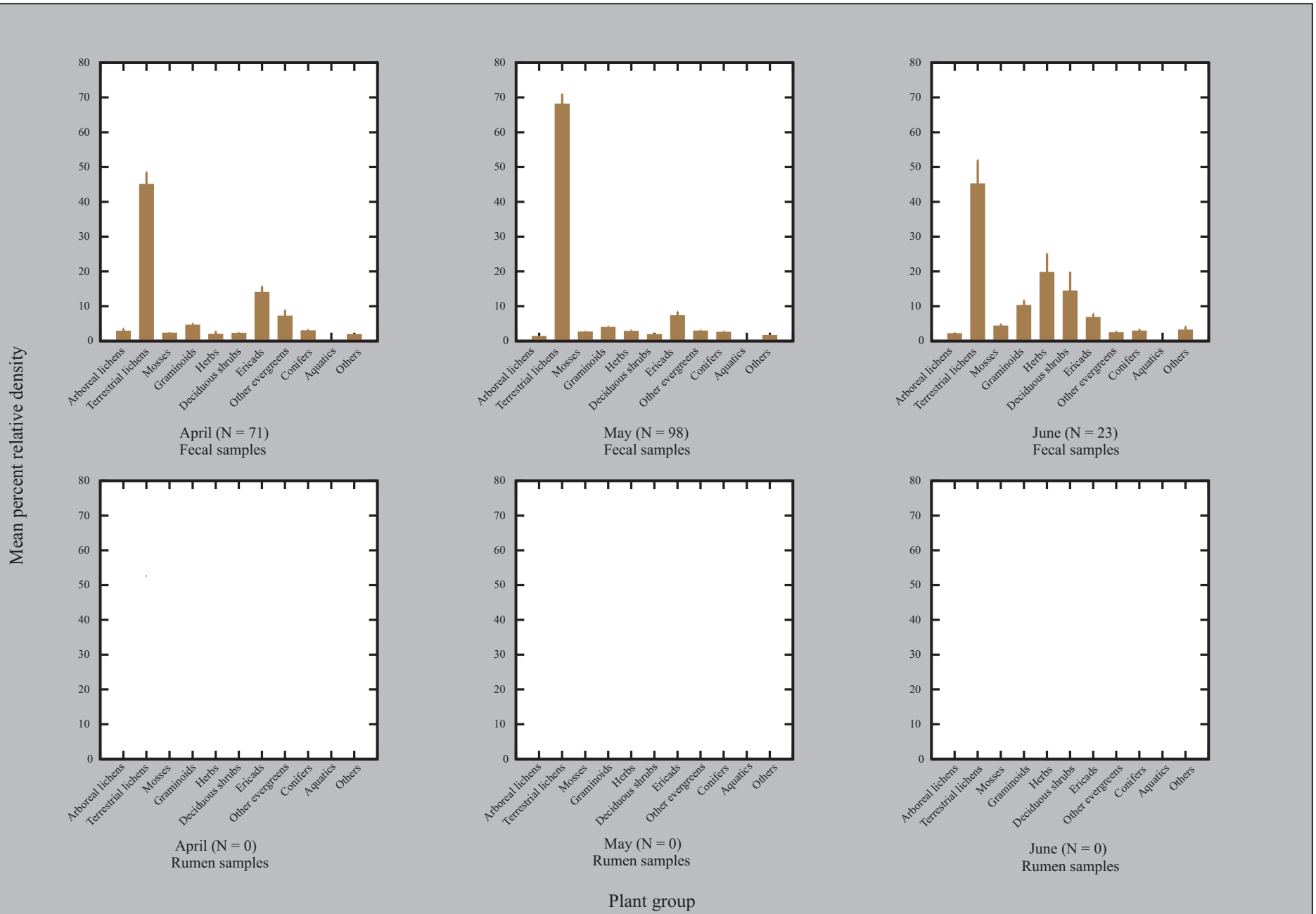


Fig. 4A-20 (con'd). Mean and standard error for percent relative density of plant groups identified in fecal and rumen samples from the Gros Morne Caribou Herd.

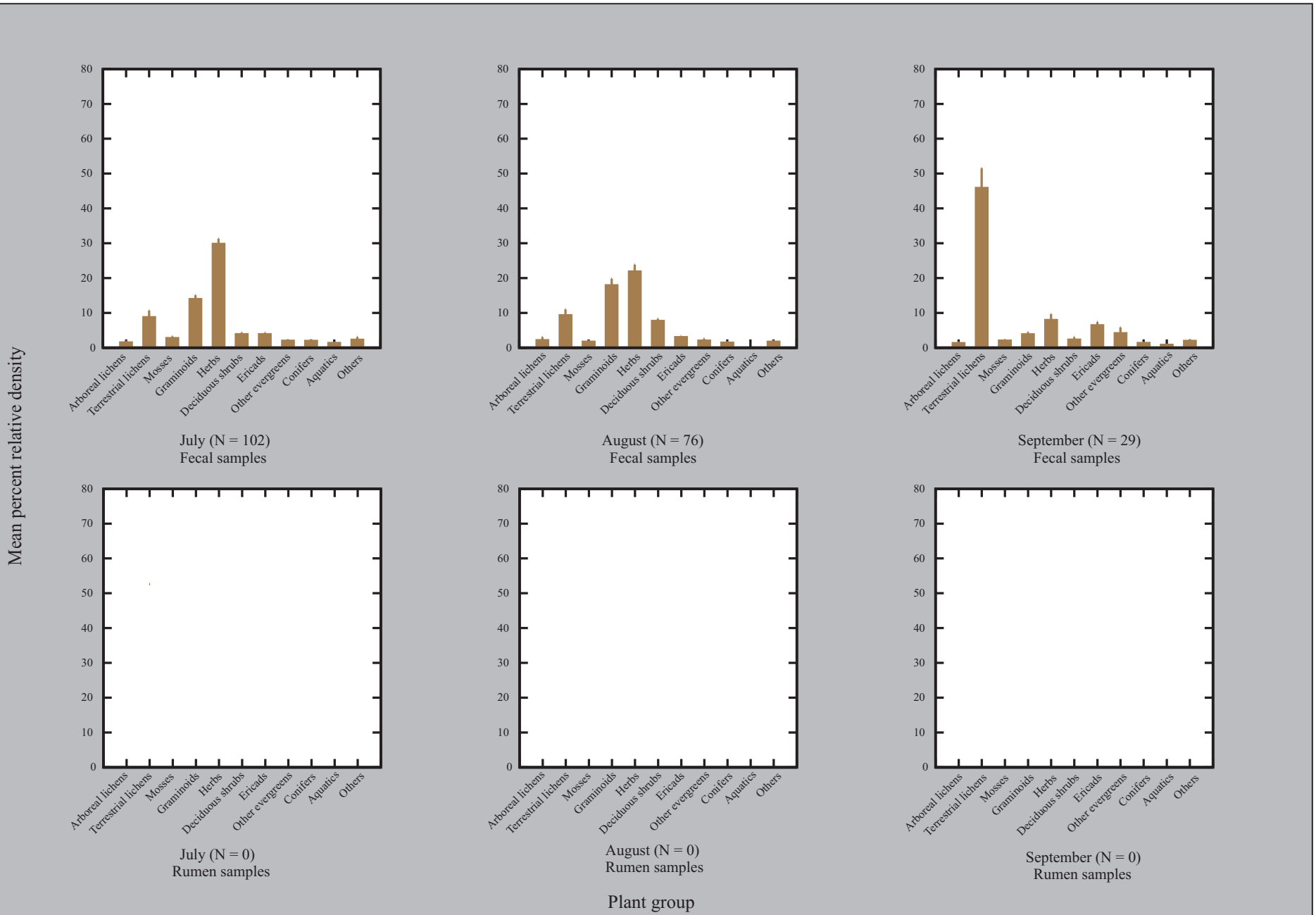


Fig. 4A-20 (con'd). Mean and standard error for percent relative density of plant groups identified in fecal and rumen samples from the Gros Morne Caribou Herd.

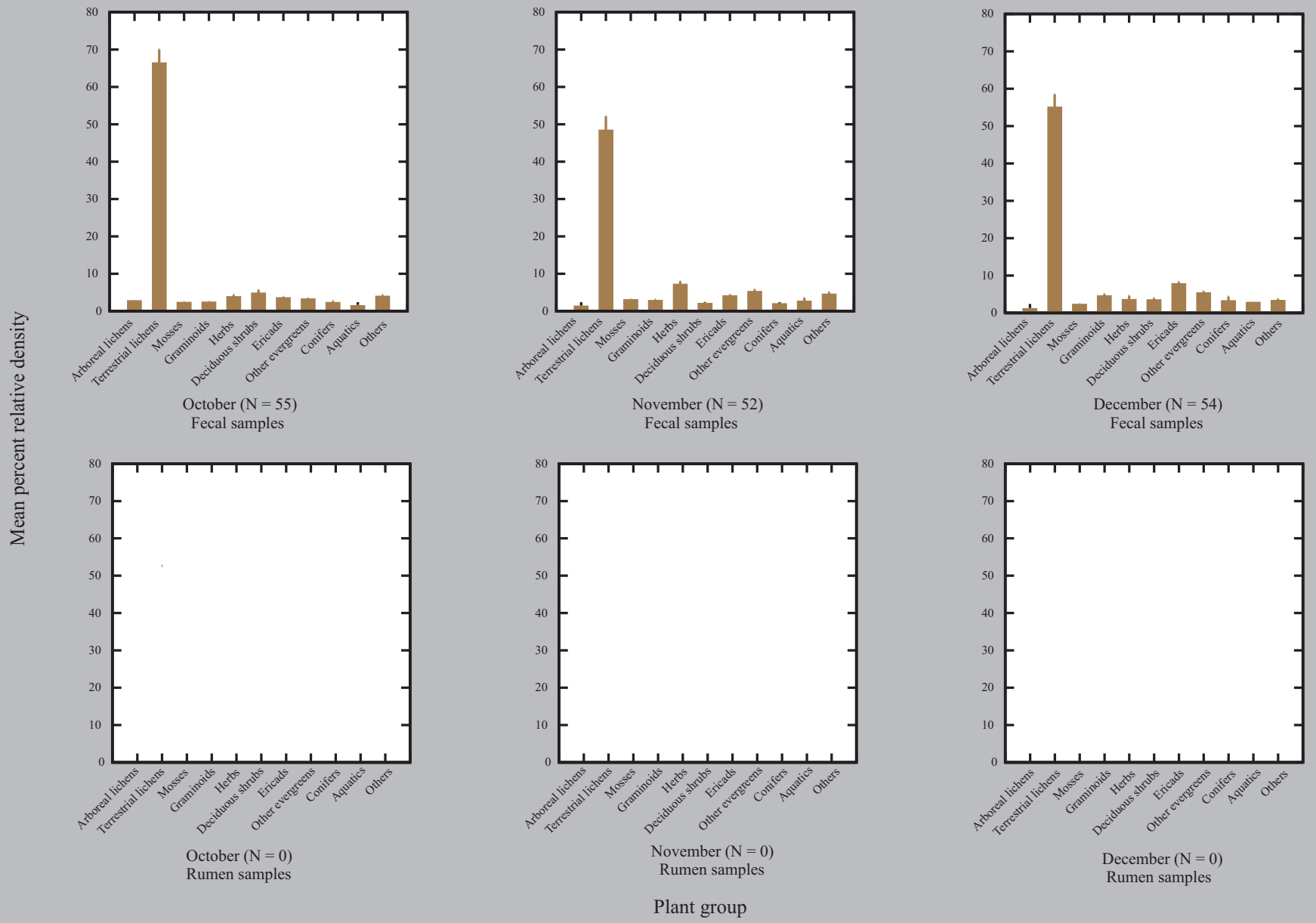


Fig. 4A-20 (con'd). Mean and standard error for percent relative density of plant groups identified in fecal and rumen samples from the Gros Morne Caribou Herd.

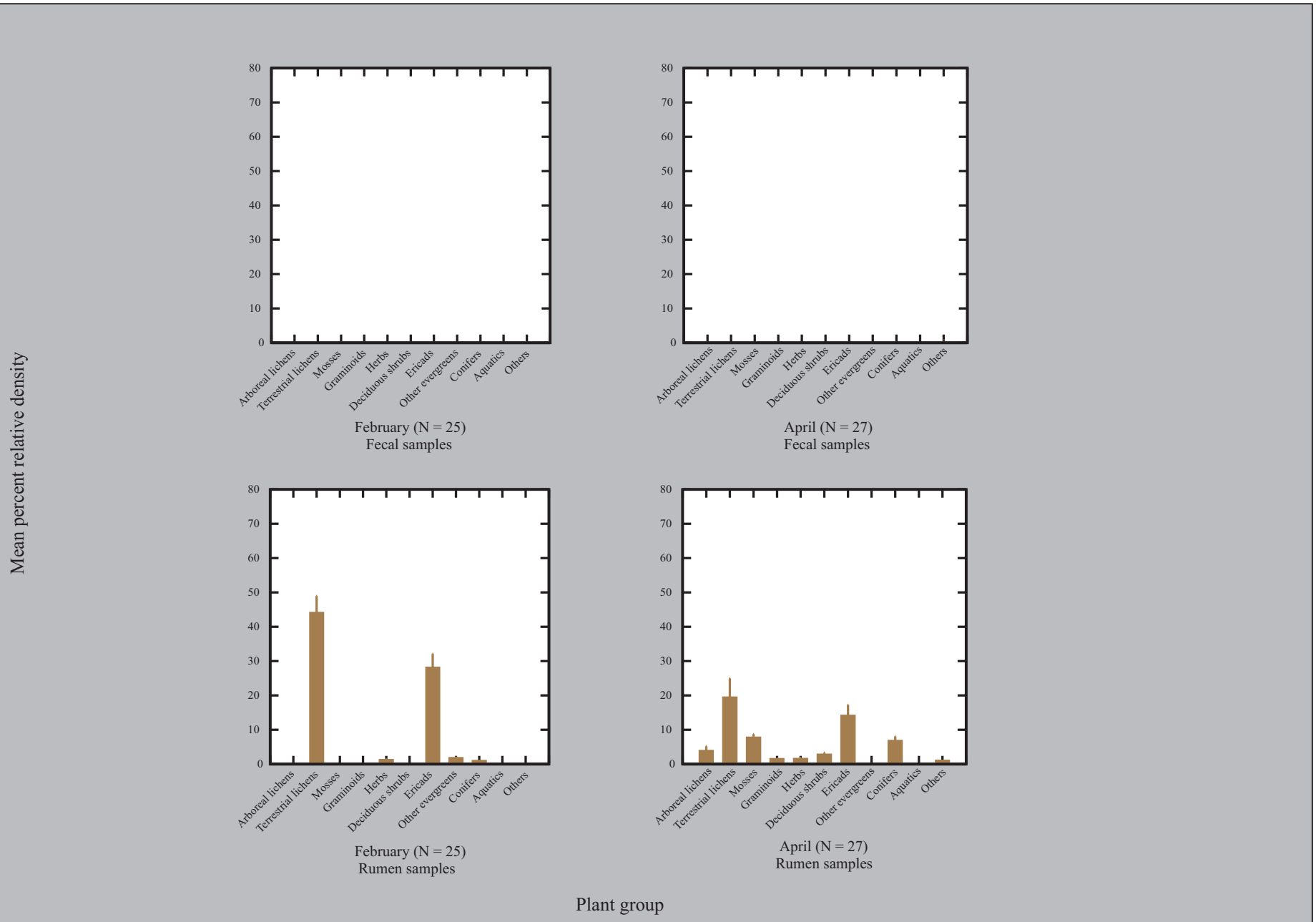


Fig. 4A-21. Mean and standard error for percent relative density of plant groups identified in fecal and rumen samples from the La Poile Caribou Herd.

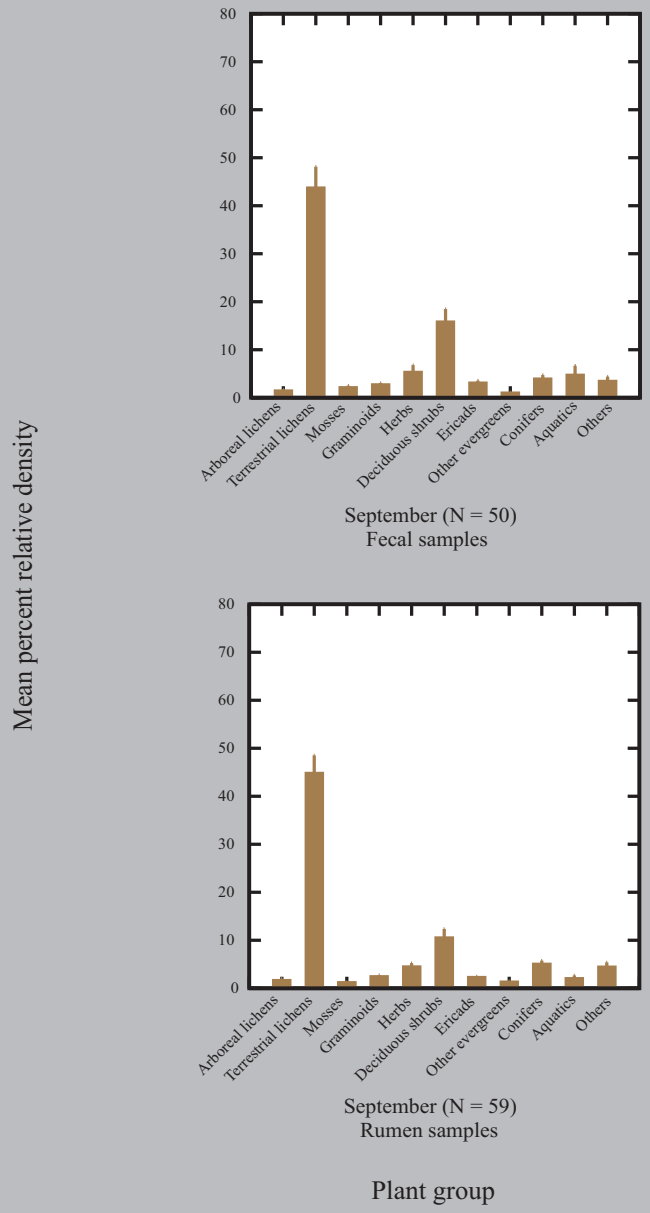


Fig. 4A-22. Mean and standard error for percent relative density of plant groups identified in fecal and rumen samples from the Merasheen Island Caribou Herd.

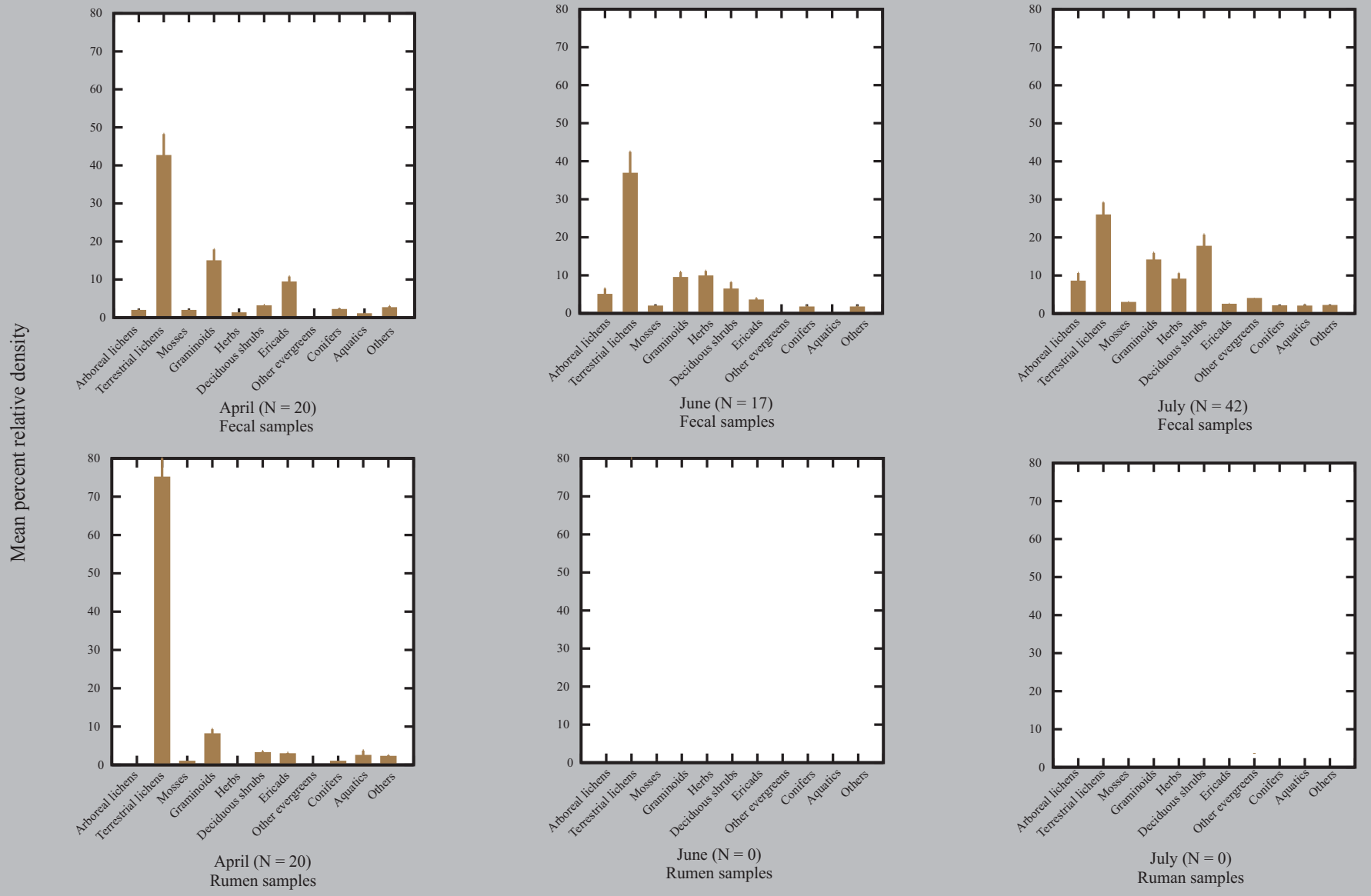


Fig. 4A-23. Mean and standard error for percent relative density of plant groups identified in fecal and rumen samples from the Middle Ridge Caribou Herd.

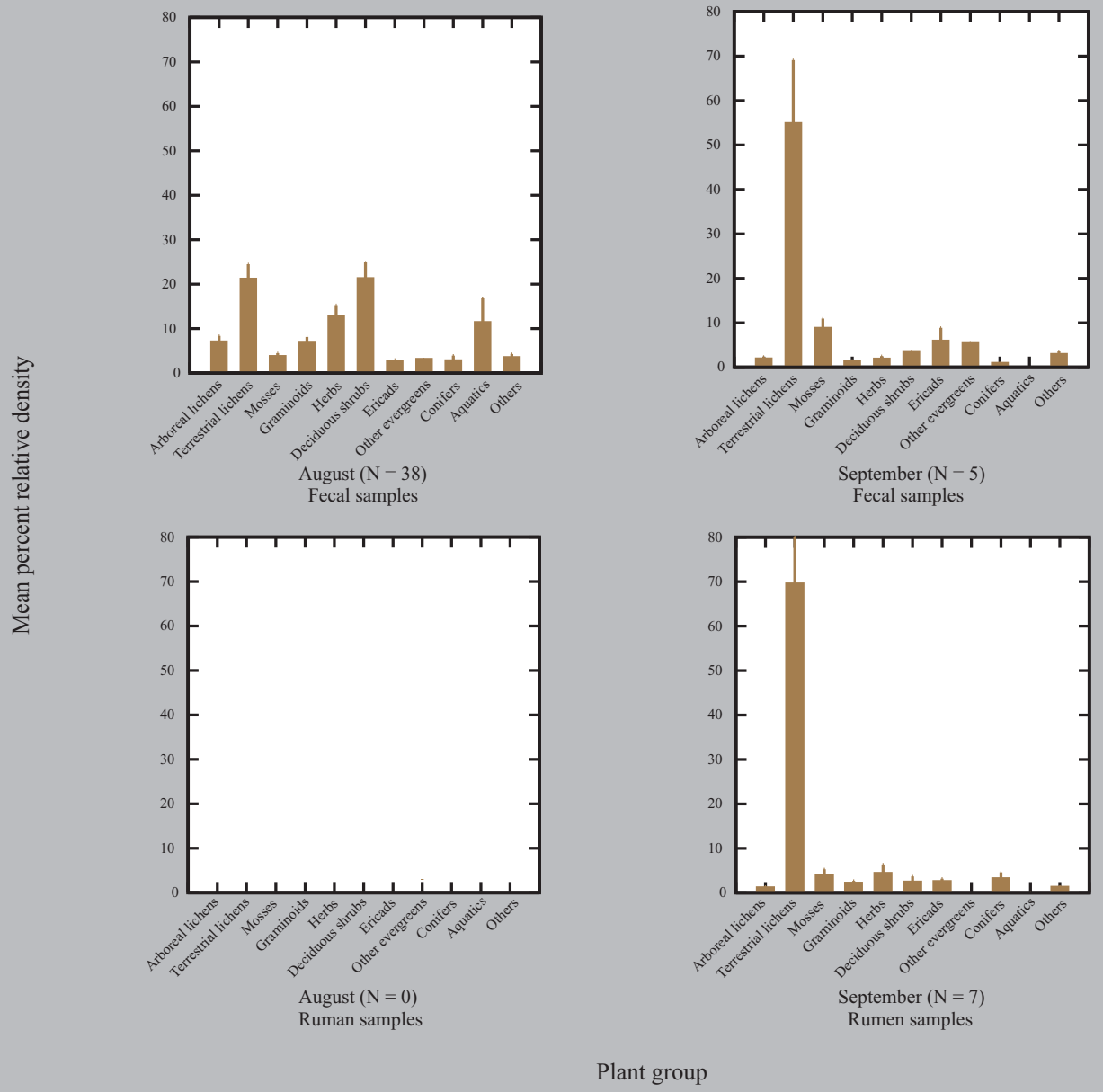


Fig. 4A-23 (con'd). Mean and standard error for percent relative density of plant groups identified in fecal and rumen samples from the Middle Ridge Caribou Herd.

Section 4B:

Forage Quality: Percent Nitrogen as an Index of Protein Content.

Caribou Herds

Avalon (AV)

Corner Brook Lakes (CB)

Grey Islands (GI)

Grey River (GR)

Gros Morne (GM)

La Poile (LP)

Merasheen Island (MI)

Middle Ridge (MR)

Mount Peyton (MP)

Pot Hill (PH)

Table 4B-1. The number of fecal samples collected, by month, from insular Newfoundland caribou herds for percent fecal nitrogen analysis.

Month	Avalon	Corner Brook Lakes	Grey Islands	Grey River	Gros Morne	La Poile	Middle Ridge	Mount Peyton	Merasheen Island	Pot Hill	Total
Jan		10			32						42
Feb		10			43						53
Mar		1			36						37
Apr		10	10		32		20				72
May		18			75						93
Jun					22		13			13	48
Jul	14				101		28	6			149
Aug		6			73		25				104
Sep		15			29				39		83
Oct		18			39						57
Nov		17			41						58
Dec		14		11	48						73
Total	14	119	10	11	571	0	86	6	39	13	869

Table 4B-2. Monthly mean percent fecal nitrogen for individual insular Newfoundland caribou herds.

Herd	Month	N	% Fecal nitrogen	Standard error	Standard deviation
Avalon	July	14	2.77	0.09	0.33
Corner Brook Lakes	January	10	1.63	0.03	0.09
Corner Brook Lakes	February	10	1.91	0.05	0.14
Corner Brook Lakes	March	1	1.68	0.00	0.00
Corner Brook Lakes	April	10	1.84	0.06	0.18
Corner Brook Lakes	May	18	1.49	0.06	0.27
Corner Brook Lakes	August	6	2.61	0.19	0.48
Corner Brook Lakes	September	15	2.33	0.08	0.32
Corner Brook Lakes	October	18	1.90	0.07	0.30
Corner Brook Lakes	November	17	1.78	0.06	0.24
Corner Brook Lakes	December	14	1.71	0.04	0.16
Grey Island	April	10	1.41	0.06	0.19
Grey River	December	11	1.64	0.03	0.11
Gros Morne	January	32	1.73	0.03	0.16
Gros Morne	February	43	1.94	0.03	0.17
Gros Morne	March	36	1.83	0.03	0.21
Gros Morne	April	32	1.75	0.05	0.26
Gros Morne	May	75	1.97	0.04	0.33
Gros Morne	June	22	2.46	0.20	0.92
Gros Morne	July	101	3.49	0.05	0.49
Gros Morne	August	73	3.21	0.04	0.31
Gros Morne	September	29	2.72	0.06	0.34
Gros Morne	October	39	2.15	0.06	0.36
Gros Morne	November	41	2.08	0.06	0.40
Gros Morne	December	48	1.81	0.04	0.29
Merasheen Island	September	39	2.03	0.07	0.45
Middle Ridge	April	20	1.90	0.03	0.13
Mount Peyton	June	9	1.71	0.13	0.38
Mount Peyton	July	6	1.94	0.07	0.18
Pot Hill	June	13	1.63	0.03	0.12

Table 4B-3. Monthly mean percent fecal nitrogen for all Newfoundland caribou herds combined.

Month	N	% Fecal nitrogen	Standard error	Standard deviation
January	42	1.71	0.02	0.15
February	53	1.93	0.02	0.16
March	37	1.82	0.03	0.21
April	72	1.76	0.03	0.26
May	93	1.88	0.04	0.37
June	57	2.09	0.10	0.78
July	149	3.27	0.05	0.59
August	104	3.09	0.04	0.39
September	83	2.32	0.05	0.50
October	57	2.07	0.05	0.36
November	58	1.99	0.05	0.38
December	73	1.77	0.03	0.26

Table 4B-4. Monthly mean percent fecal nitrogen for insular Newfoundland caribou herds.

Month	N herds	% Fecal nitrogen	Standard error	Standard deviation
January	2	1.68	0.05	0.07
February	2	1.92	0.02	0.02
March	2	1.75	0.07	0.11
April	4	1.73	0.11	0.22
May	2	1.73	0.24	0.34
June	4	1.99	0.20	0.39
July	4	2.80	0.32	0.65
August	3	2.89	0.18	0.30
September	3	2.36	0.20	0.35
October	2	2.02	0.13	0.18
November	2	1.93	0.15	0.22
December	3	1.72	0.05	0.08

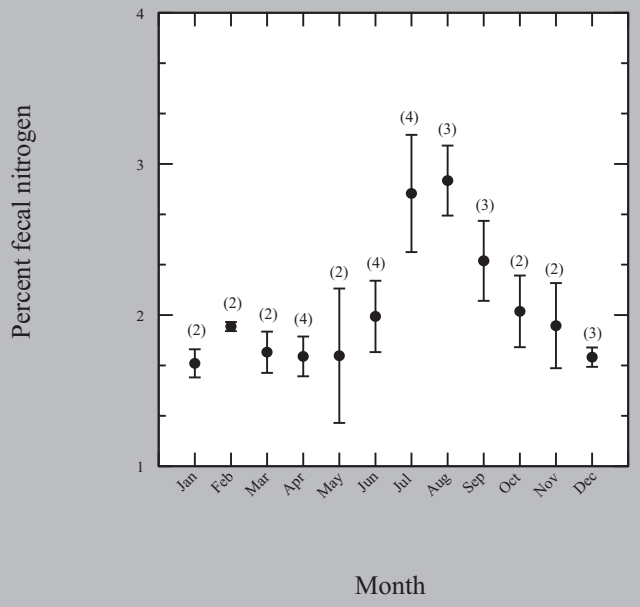


Fig. 4B-1. Monthly percent fecal nitrogen with standard error (889) for insular Newfoundland caribou herds (N herds).

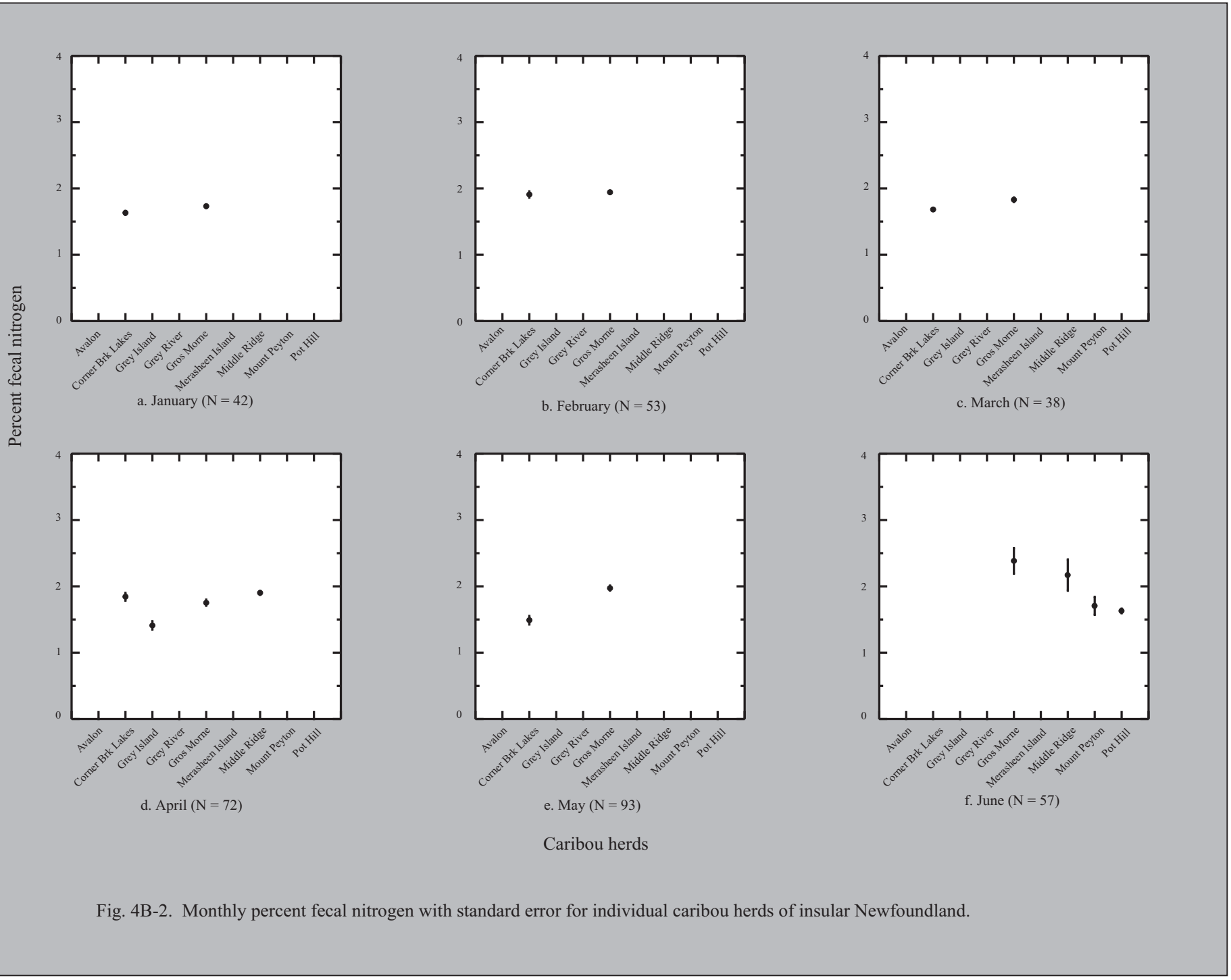


Fig. 4B-2. Monthly percent fecal nitrogen with standard error for individual caribou herds of insular Newfoundland.

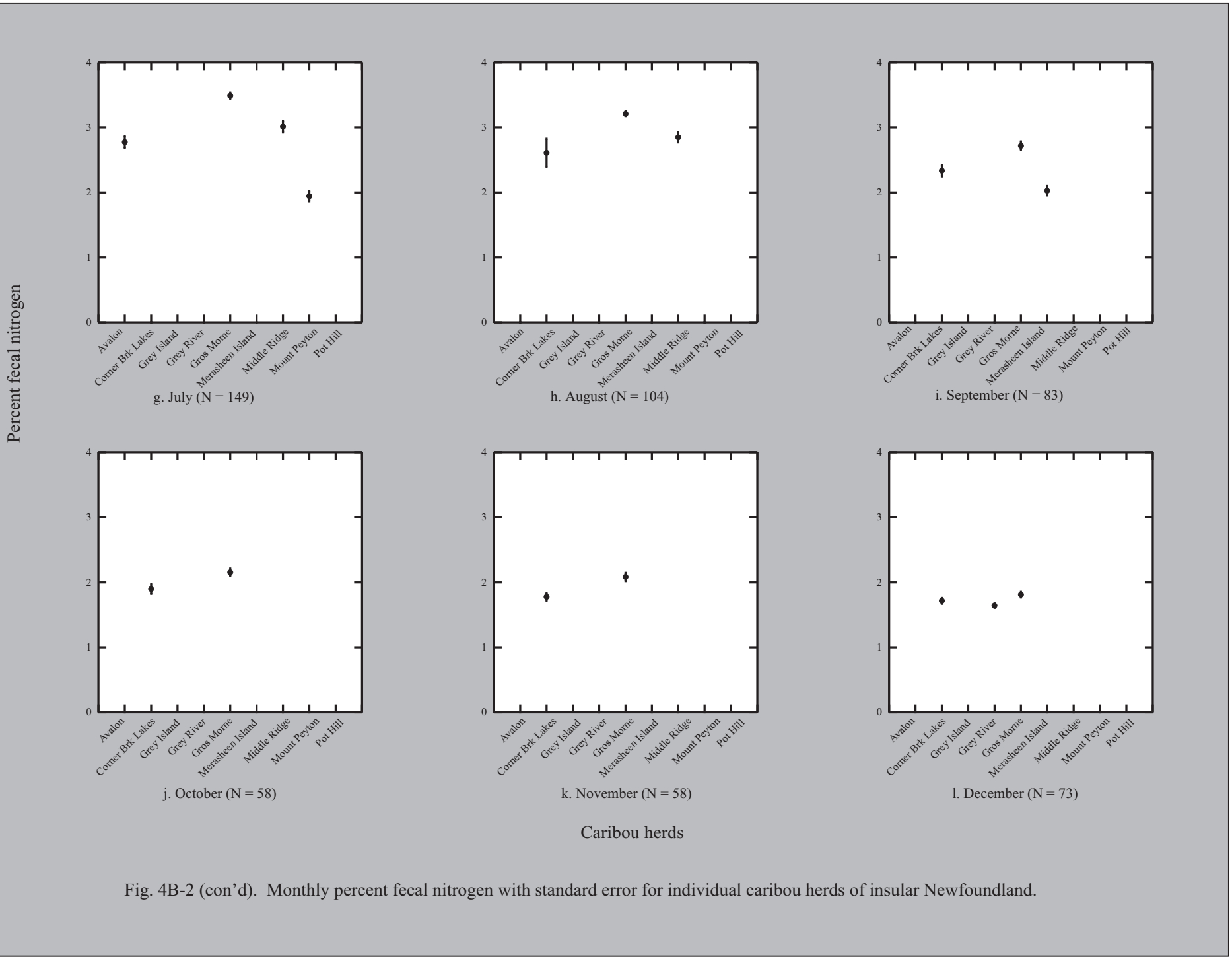
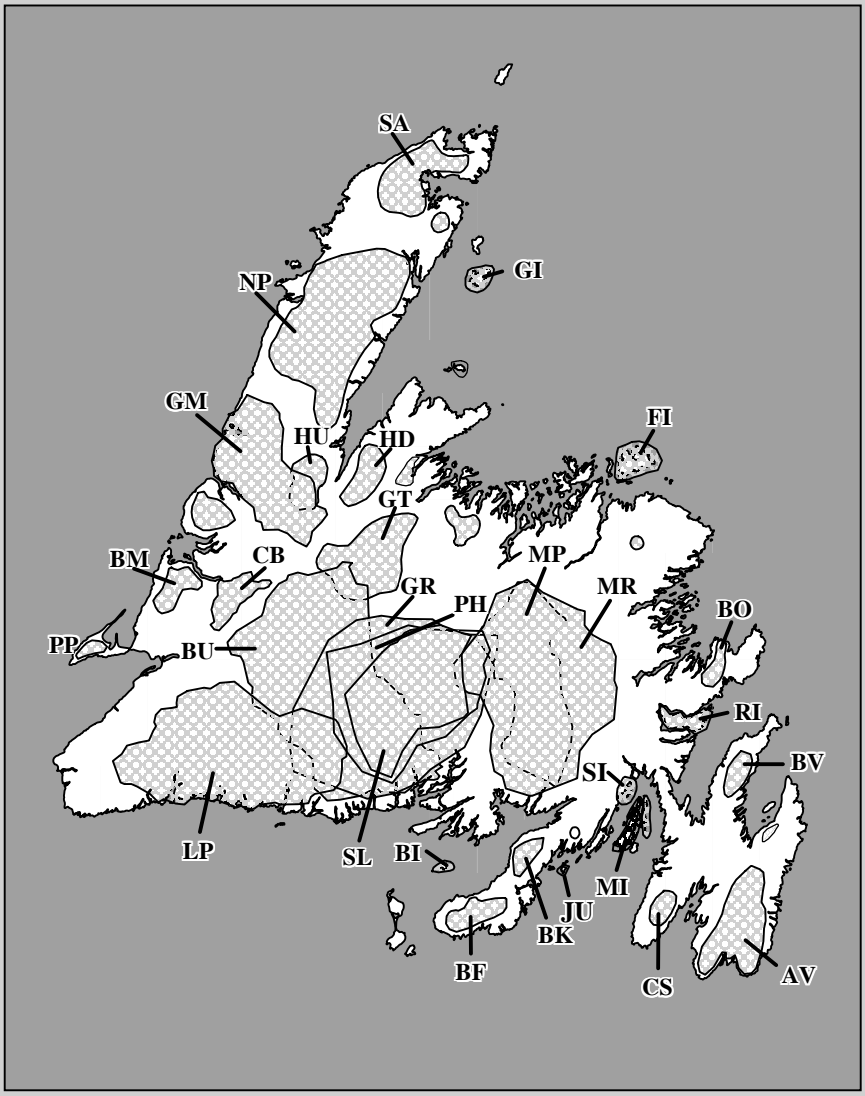


Fig. 4B-2 (con'd). Monthly percent fecal nitrogen with standard error for individual caribou herds of insular Newfoundland.

Section 4C:

Morphology Data for Insular Newfoundland Caribou Herds, 1961 - 1997.



Caribou Herds

Avalon (AV)
Bay de Verde (BV)
Blow Me Down Mtn (BM)
Bonavista (BO)
Brunette Island (BI)
Burin Foot (BF)
Burin Knee (BK)
Buchans (BU)
Cape Shore (CS)
Corner Brook Lakes (CB)
Fogo Island (FI)
Gaff Topsails (GT)
Grey Islands (GI)
Grey River (GR)
Gros Morne (GM)
Hampden Downs (HD)
Humber (HU)
Jude Island (JI)
La Poile (LP)
Merasheen Island (MI)
Middle Ridge (MR)
Mount Peyton (MP)
Northern Peninsula (NP)
Port au Port (PP)
Pot Hill (PH)
Random Island (RI)
Sandy Lake (SL)
Sound Island (SI)
St. Anthony (SA)

Table 4C-1. Morphology data for captured or deceased caribou from the Avalon herd, 1961 - 1996. Hind foot length was measured from the tuber calcis to the distal tip of the hoof. Shoulder height was measured from the tip of the spinous process to the distal tip of the hoof.

Date	Sex	Calf/ udder present	Cohort	Age (years)	Weight (kg)	Length (cm)					Heart Girth (cm)	Shoulder Height (cm)	Neck Circ. (cm)	Inter Orbital Width (cm)
						Body	Hind Foot	Tail	Ear	Head				
28-May-61	F	-	Adult	-	84.5	-	-	-	-	-	-	-	-	-
02-Jun-61	F	-	Adult	2	62.3	-	-	-	-	-	-	-	-	-
02-Jun-61	F	-	Adult	4	75.0	-	-	-	-	-	-	-	-	-
05-Jun-61	F	-	Adult	4	75.5	-	-	-	-	-	-	-	-	-
07-Jun-61	F	-	Adult	2	55.9	-	-	-	-	-	-	-	-	-
08-Jun-61	F	-	Adult	2	60.0	-	-	-	-	-	-	-	-	-
09-Jun-61	F	-	Adult	2	77.7	-	-	-	-	-	-	-	-	-
10-Jun-61	F	-	Adult	2	63.2	-	-	-	-	-	-	-	-	-
10-Jun-61	F	-	Adult	3	77.7	-	-	-	-	-	-	-	-	-
12-Jun-61	F	-	Adult	2	72.3	-	-	-	-	-	-	-	-	-
12-Jun-61	F	-	Adult	8	69.1	-	-	-	-	-	-	-	-	-
13-Jun-61	F	Yes	Adult	4	75.9	-	-	-	-	-	-	-	-	-
13-Jun-61	F	Yes	Adult	5	78.6	-	-	-	-	-	-	-	-	-
15-Jun-61	F	-	Adult	10+	95.0	-	-	-	-	-	-	-	-	-
31-May-62	F	No	Adult	2	71.4	-	-	-	-	-	-	-	-	-
04-Jun-62	F	No	Adult	3	64.5	-	-	-	-	-	-	-	-	-
05-Jun-62	F	-	Adult	2	76.4	-	-	-	-	-	-	-	-	-
08-Jun-62	F	-	Adult	3	73.2	-	-	-	-	-	-	-	-	-
08-Jun-62	F	-	Adult	3	71.8	-	-	-	-	-	-	-	-	-
08-Jun-62	F	-	Adult	9	77.3	-	-	-	-	-	-	-	-	-
09-Jun-62	F	-	Adult	3	72.7	-	-	-	-	-	-	-	-	-
10-Jun-62	F	-	Adult	5	94.5	-	-	-	-	-	-	-	-	-
10-Jun-62	F	-	Adult	5	78.2	-	-	-	-	-	-	-	-	-
12-Jun-62	F	-	Adult	10+	90.9	-	-	-	-	-	-	-	-	-
12-Jun-62	F	-	Adult	5	93.6	-	-	-	-	-	-	-	-	-
13-Jun-62	F	-	Adult	12+	93.2	-	-	-	-	-	-	-	-	-
06-Jun-63	F	No	Adult	3	84.1	-	-	-	-	-	-	-	-	-
07-Jun-63	F	No	Adult	2	71.4	-	-	-	-	-	-	-	-	-
10-Jun-63	F	No	Adult	2	62.7	-	-	-	-	-	-	-	-	-
11-Jun-63	F	Yes	Adult	3	79.5	-	-	-	-	-	-	-	-	-
12-Jun-63	F	Yes	Adult	4	86.4	-	-	-	-	-	-	-	-	-
13-Jun-63	F	Yes	Adult	10+	95.0	-	-	-	-	-	-	-	-	-
16-Jun-63	F	Yes	Adult	11	102.3	-	-	-	-	-	-	-	-	-
17-Jun-63	F	Yes	Adult	5	80.9	-	-	-	-	-	-	-	-	-
18-Jun-63	F	No	Adult	4	74.1	-	-	-	-	-	-	-	-	-
19-Jun-63	F	No	Adult	10+	92.7	-	-	-	-	-	-	-	-	-
19-Jun-63	F	No	Adult	4	84.5	-	-	-	-	-	-	-	-	-
20-Jun-63	F	No	Adult	9	99.1	-	-	-	-	-	-	-	-	-
20-Jun-63	F	No	Adult	10+	84.5	-	-	-	-	-	-	-	-	-
20-Jun-63	F	No	Adult	10+	100.9	-	-	-	-	-	-	-	-	-
fall 71-75	F	-	Adult	4-6	120.0	-	-	-	-	-	-	-	-	-
fall 71-75	F	-	Adult	7-9	123.0	-	-	-	-	-	-	-	-	-
fall 71-75	M	-	Adult	4-6	218.0	-	-	-	-	-	-	-	-	-
fall 71-75	M	-	Adult	4-6	218.0	-	-	-	-	-	-	-	-	-
fall 71-75	F	-	Adult	7-9	141.0	-	-	-	-	-	-	-	-	-
fall 71-75	M	-	Adult	4-6	211.0	-	-	-	-	-	-	-	-	-
fall 71-75	M	-	Adult	4-6	209.0	-	-	-	-	-	-	-	-	-

Table 4C-1 (con'd). Morphology data for captured or deceased caribou from the Avalon herd, 1961 - 1996. Hind foot length was measured from the tuber calcis to the distal tip of the hoof. Shoulder height was measured from the tip of the spinous process to the distal tip of the hoof.

Date	Sex	Calf/ udder present	Cohort	Age (years)	Weight (kg)	Length (cm)					Heart Girth (cm)	Shoulder Height (cm)	Neck Circ. (cm)	Inter Orbital Width (cm)
						Body	Hind Foot	Tail	Ear	Head				
fall 71-75	M	-	Adult	4-6	209.0	-	-	-	-	-	-	-	-	-
fall 71-75	M	-	Adult	4-6	191.0	-	-	-	-	-	-	-	-	-
fall 71-75	M	-	Adult	3	184.0	-	-	-	-	-	-	-	-	-
fall 71-75	M	-	Adult	4-6	213.0	-	-	-	-	-	-	-	-	-
fall 71-75	M	-	Adult	3	127.0	-	-	-	-	-	-	-	-	-
fall 71-75	M	-	Adult	2	191.0	-	-	-	-	-	-	-	-	-
fall 71-75	M	-	Adult	2	142.0	-	-	-	-	-	-	-	-	-
fall 71-75	M	-	Adult	2	138.0	-	-	-	-	-	-	-	-	-
fall 71-75	M	-	Adult	2	133.0	-	-	-	-	-	-	-	-	-
fall 71-75	M	-	Yearling	1	136.0	-	-	-	-	-	-	-	-	-
fall 71-75	M	-	Yearling	1	101.0	-	-	-	-	-	-	-	-	-
fall 71-75	M	-	Yearling	1	88.0	-	-	-	-	-	-	-	-	-
fall 71-75	M	-	Yearling	1	88.0	-	-	-	-	-	-	-	-	-
fall 71-75	M	-	Yearling	1	84.0	-	-	-	-	-	-	-	-	-
fall 71-75	M	-	Calf	0.5	69.0	-	-	-	-	-	-	-	-	-
fall 71-75	F	-	Adult	4-6	94.0	-	-	-	-	-	-	-	-	-
fall 71-75	F	-	Adult	3	125.0	-	-	-	-	-	-	-	-	-
fall 71-75	F	-	Adult	3	102.0	-	-	-	-	-	-	-	-	-
fall 71-75	F	-	Yearling	1	127.0	-	-	-	-	-	-	-	-	-
fall 71-75	F	-	Yearling	1	118.0	-	-	-	-	-	-	-	-	-
fall 71-75	F	-	Yearling	1	109.0	-	-	-	-	-	-	-	-	-
fall 71-75	F	-	Yearling	1	81.0	-	-	-	-	-	-	-	-	-
fall 71-75	F	-	Yearling	1	102.0	-	-	-	-	-	-	-	-	-
fall 71-75	F	-	Yearling	1	100.0	-	-	-	-	-	-	-	-	-
fall 71-75	M	-	Adult	4-6	224.0	-	-	-	-	-	-	-	-	-
fall 71-75	F	-	Yearling	1	78.0	-	-	-	-	-	-	-	-	-
fall 71-75	F	-	Yearling	1	57.0	-	-	-	-	-	-	-	-	-
fall 71-75	M	-	Adult	7-9	272.0	-	-	-	-	-	-	-	-	-
fall 71-75	M	-	Adult	7-9	236.0	-	-	-	-	-	-	-	-	-
fall 71-75	M	-	Adult	7-9	227.0	-	-	-	-	-	-	-	-	-
fall 71-75	M	-	Adult	4-6	264.0	-	-	-	-	-	-	-	-	-
fall 71-75	M	-	Adult	4-6	235.0	-	-	-	-	-	-	-	-	-
fall 71-75	M	-	Adult	4-6	227.0	-	-	-	-	-	-	-	-	-
fall 71-75	M	-	Adult	3	181.0	-	-	-	-	-	-	-	-	-
fall 71-75	F	-	Yearling	1	85.0	-	-	-	-	-	-	-	-	-
21-Apr-74	F	-	Yearling	-	-	182.9	53.3	15.2	-	-	102.9	109.2	-	-
21-Apr-74	F	-	Adult	-	117.0	201.9	58.4	17.5	-	-	115.6	113.0	-	-
21-Apr-74	F	-	Adult	-	110.0	204.5	60.9	14.6	-	-	118.7	128.3	-	-
22-Apr-74	F	-	Adult	-	122.0	199.4	57.2	11.4	-	-	119.4	105.4	-	-
22-Apr-74	F	-	Adult	-	99.0	190.5	54.6	10.8	-	-	110.5	114.3	-	-
22-Apr-74	F	-	Adult	-	90.0	176.5	50.8	11.4	-	-	115.6	109.2	-	-
22-Apr-74	M	-	Adult	-	-	181.6	57.1	-	-	-	107.9	124.4	-	-
24-Apr-74	M	-	Adult	-	117.0	200.6	60.9	13.9	-	-	116.8	119.4	-	-
24-Apr-74	F	-	Yearling	-	45.0	157.5	48.3	10.1	-	-	88.9	101.6	-	-
24-Apr-74	M	-	Yearling	-	45.0	167.6	50.8	12.7	-	-	88.9	104.1	-	-
04-May-74	F	Yes	Adult	-	113.0	200.7	59.7	12.7	-	-	121.9	127.0	-	-
04-May-74	F	Yes	Adult	-	-	182.9	55.9	12.7	-	-	116.8	114.3	-	-

Table 4C-1 (con'd). Morphology data for captured or deceased caribou from the Avalon herd, 1961 - 1996. Hind foot length was measured from the tuber calcis to the distal tip of the hoof. Shoulder height was measured from the tip of the spinous process to the distal tip of the hoof.

Date	Sex	Calf/ udder present	Cohort	Age (years)	Weight (kg)	Length (cm)					Heart Girth (cm)	Shoulder Height (cm)	Neck Circ. (cm)	Inter Orbital Width (cm)
						Body	Hind Foot	Tail	Ear	Head				
04-May-74	F	No	Adult	-	97.0	189.2	58.4	11.4	-	-	106.7	119.4	-	-
04-May-74	F	No	Adult	-	-	205.7	60.9	12.7	-	-	121.9	121.9	-	-
04-May-74	M	-	Yearling	-	-	162.6	53.3	10.2	-	-	101.6	109.2	-	-
04-May-74	F	Yes	Adult	-	-	195.6	55.9	12.7	-	-	129.5	121.9	-	-
07-May-74	M	-	Adult	-	158.0	223.5	59.7	16.5	-	-	132.1	129.5	-	-
07-May-74	M	-	Adult	-	146.0	218.4	58.4	15.2	-	-	139.7	132.1	-	-
07-May-74	F	No	Adult	-	99.0	182.9	53.3	11.4	-	-	116.8	106.7	-	-
07-May-74	F	Yes	Adult	-	101.0	193.1	55.9	12.7	-	-	121.9	109.2	-	-
07-May-74	F	Yes	Adult	-	-	214.6	59.7	12.7	-	-	128.3	127.0	-	-
07-May-74	M	-	Adult	-	173.0	231.1	60.9	15.2	-	-	160.0	139.7	-	-
07-May-74	M	-	Adult	-	151.0	233.7	63.5	15.2	-	-	144.8	133.3	-	-
07-May-74	F	No	Adult	-	101.0	194.3	55.9	12.7	-	-	119.4	109.2	-	-
07-May-74	F	-	Adult	-	110.0	185.4	55.9	-	-	-	116.8	114.3	-	-
1987	M	-	Adult	-	-	188.0	-	-	-	-	-	110.5	-	-
1987	F	-	Adult	-	-	160.0	-	-	-	-	108.0	106.7	-	-
1988	M	-	Adult	-	-	154.9	-	-	-	-	114.3	106.7	-	-
09-Dec-89	F	-	Adult	-	95.0	172.0	57.0	10.0	13.0	41.0	-	126.0	49.0	12.0
09-Dec-89	F	-	Unknown	-	76.0	162.0	53.0	10.0	11.0	38.0	-	110.0	46.0	13.0
09-Dec-89	M	-	Adult	-	137.0	188.0	59.0	14.0	12.0	49.0	-	127.0	60.0	13.0
09-Dec-89	M	-	Adult	-	99.0	168.0	57.0	12.0	13.0	39.0	-	124.0	54.0	12.0
12-Dec-89	M	-	Unknown	-	78.0	160.0	55.0	10.0	13.0	40.0	-	105.0	46.0	12.5
12-Dec-89	M	-	Unknown	-	88.0	175.0	58.0	13.0	13.0	34.0	-	121.0	53.0	13.0
13-Dec-89	M	-	Unknown	-	70.0	167.0	54.0	13.0	11.5	39.0	-	140.0	43.0	9.5
13-Dec-89	M	-	Calf	-	45.0	132.0	51.0	20.0	10.5	31.0	-	100.0	40.0	-
30-May-92	F	-	Calf	0	7.5	-	-	-	-	-	45.1	-	-	-
30-May-92	M	-	Calf	0	6.6	-	-	-	-	-	43.2	-	-	-
30-May-92	M	-	Calf	0	8.0	-	-	-	-	-	43.2	-	-	-
30-May-92	F	-	Calf	0	6.8	-	-	-	-	-	41.9	-	-	-
30-May-92	F	-	Calf	0	11.1	-	-	-	-	-	53.3	-	-	-
30-May-92	M	-	Calf	0	10.5	-	-	-	-	-	50.8	-	-	-
30-May-92	F	-	Calf	0	6.6	-	-	-	-	-	43.8	-	-	-
30-May-92	M	-	Calf	0	8.9	-	-	-	-	-	47.0	-	-	-
30-May-92	F	-	Calf	0	6.4	-	-	-	-	-	42.5	-	-	-
30-May-92	M	-	Calf	0	8.4	-	-	-	-	-	45.1	-	-	-
30-May-92	F	-	Calf	0	7.1	-	-	-	-	-	43.2	-	-	-
30-May-92	F	-	Calf	0	7.3	-	-	-	-	-	44.5	-	-	-
30-May-92	M	-	Calf	0	6.6	-	-	-	-	-	43.2	-	-	-
30-May-92	F	-	Calf	0	9.5	-	-	-	-	-	45.7	-	-	-
30-May-92	M	-	Calf	0	8.9	-	-	-	-	-	45.1	-	-	-
30-May-92	M	-	Calf	0	9.1	-	-	-	-	-	47.0	-	-	-
30-May-92	F	-	Calf	0	7.5	-	-	-	-	-	45.7	-	-	-
30-May-92	F	-	Calf	0	10.0	-	-	-	-	-	47.6	-	-	-
30-May-92	M	-	Calf	0	7.1	-	-	-	-	-	43.2	-	-	-
30-May-92	M	-	Calf	0	8.6	-	-	-	-	-	45.7	-	-	-
30-May-92	M	-	Calf	0	10.5	-	-	-	-	-	50.8	-	-	-
30-May-92	M	-	Calf	0	7.1	-	-	-	-	-	48.3	-	-	-
30-May-92	F	-	Calf	0	6.6	-	-	-	-	-	43.2	-	-	-

Table 4C-1 (con'd). Morphology data for captured or deceased caribou from the Avalon herd, 1961 - 1996. Hind foot length was measured from the tuber calcis to the distal tip of the hoof. Shoulder height was measured from the tip of the spinous process to the distal tip of the hoof.

Date	Sex	Calf/ udder present	Cohort	Age (years)	Weight (kg)	Length (cm)					Heart Girth (cm)	Shoulder Height (cm)	Neck Circ. (cm)	Inter Orbital Width (cm)
						Body	Hind Foot	Tail	Ear	Head				
30-May-92	M	-	Calf	0	8.2	-	-	-	-	-	48.3	-	-	-
30-May-92	F	-	Calf	0	6.8	-	-	-	-	-	43.2	-	-	-
30-May-92	M	-	Calf	0	8.0	-	-	-	-	-	43.8	-	-	-
1992	M	-	Calf	0	8.2	88.0	-	-	-	-	41.0	61.0	-	-
1992	M	-	Calf	0	7.3	83.0	-	-	-	-	41.0	58.0	-	-
1992	M	-	Calf	0	7.5	97.0	-	-	-	-	39.0	61.0	-	-
1992	M	-	Calf	0	9.1	89.0	-	-	-	-	47.0	63.0	-	-
1992	F	-	Calf	0	10.0	94.0	-	-	-	-	45.0	61.0	-	-
1992	F	-	Calf	0		82.5	-	-	-	-	-	58.5	-	-
1992	M	-	Calf	0	5.0	82.0	-	-	-	-	34.0	60.0	-	-
28-May-96	F	-	Calf	0	6.8	72.0	33.5	-	-	-	41.0	62.5	-	-
28-May-96	F	-	Calf	0	6.6	75.0	32.5	-	-	-	40.5	62.0	-	-
28-May-96	M	-	Calf	0	7.4	81.0	33.0	-	-	-	43.0	65.0	-	-
28-May-96	F	-	Calf	0	6.5	75.0	32.0	-	-	-	39.0	62.0	-	-
28-May-96	F	-	Calf	0	5.4	77.5	33.0	-	-	-	38.5	59.5	-	-
28-May-96	M	-	Calf	0	7.5	81.0	34.0	-	-	-	40.0	65.0	-	-
28-May-96	M	-	Calf	0	7.1	78.5	33.0	-	-	-	40.0	64.0	-	-
28-May-96	M	-	Calf	0	7.9	79.0	32.5	-	-	-	40.5	66.5	-	-
28-May-96	M	-	Calf	0	6.6	78.0	32.0	-	-	-	39.0	56.0	-	-
28-May-96	F	-	Calf	0	6.6	78.0	32.0	-	-	-	38.5	57.0	-	-
28-May-96	F	-	Calf	0	5.9	73.0	29.0	-	-	-	37.0	59.0	-	-
28-May-96	M	-	Calf	0	5.9	72.0	30.0	-	-	-	37.5	59.0	-	-
28-May-96	F	-	Calf	0	6.0	80.0	33.0	-	-	-	39.5	65.0	-	-
28-May-96	M	-	Calf	0	5.6	79.0	32.0	-	-	-	36.5	61.0	-	-
28-May-96	F	-	Calf	0	7.8	81.0	34.0	-	-	-	42.5	63.0	-	-
28-May-96	M	-	Calf	0	7.6	81.0	33.0	-	-	-	41.5	59.0	-	-
28-May-96	M	-	Calf	0	7.2	81.0	32.0	-	-	-	40.0	59.5	-	-
28-May-96	M	-	Calf	0	5.9	77.0	33.0	-	-	-	35.5	64.0	-	-
28-May-96	F	-	Calf	0	6.8	78.0	32.5	-	-	-	39.5	59.0	-	-
28-May-96	F	-	Calf	0	7.6	87.0	33.5	-	-	-	39.0	65.5	-	-

Table 4C-2. Morphology data for captured or deceased caribou from the Brunette Island herd, 1972 - 1977. Hind foot length was measured from the tuber calcis to the distal tip of the hoof. Shoulder height was measured from the tip of the spinous process to the distal tip of the hoof.

Date	Sex	Cohort	Age	Weight (kg)	Length (cm)				
					Body	Hind Foot	Tail	Ear	Head
10-Mar-72	-	-	-	43.6	141.6	-	11.3	-	85.1
11-Mar-77	M	Calf	10 months	37.7	-	-	-	-	-
18-Apr-77	F	Adult	-	102.0	188.0	59.1	14.6	13.3	116.8
18-Apr-77	M	Adult	-	93.0	193.0	57.2	15.2	14.0	116.8
19-Apr-77	F	Adult	-	69.0	177.8	52.1	12.7	12.1	106.7
19-Apr-77	M	Adult	-	136.0	200.7	58.4	15.2	14.0	127.0
19-Apr-77	F	Adult	-	74.0	160.0	52.1	11.4	12.7	106.7
19-Apr-77	F	Adult	-	89.0	172.7	55.9	13.3	12.7	111.8
19-Apr-77	F	Adult	-	93.0	191.8	55.9	14.0	14.0	121.9
19-Apr-77	M	Adult	-	89.0	188.0	53.3	12.7	12.7	109.2
19-Apr-77	F	Adult	-	94.0	183.5	55.9	14.0	12.7	129.5
19-Apr-77	M	Adult	-	81.0	177.8	53.3	12.7	12.7	116.8
19-Apr-77	F	Adult	-	89.0	185.4	53.3	15.2	13.3	114.3
20-Apr-77	F	Adult	-	80.0	166.4	54.6	12.7	12.7	109.2
20-Apr-77	F	Adult	-	90.0	193.0	55.9	14.0	12.7	116.8
20-Apr-77	F	Calf	11 months	55.0	170.2	52.1	12.7	11.4	99.1
20-Apr-77	F	Calf	11 months	48.0	147.3	48.9	14.6	12.7	101.6
21-Apr-77	M	Calf	11 months	48.0	151.1	48.3	11.4	12.1	101.6
21-Apr-77	F	Adult	-	83.0	184.2	54.6	13.3	13.3	121.9

Table 4C-3. Morphology data for captured or deceased caribou from the Buchans herd, 1963 - 1996. Estimated weights are listed in italics. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Calf/ udder present	Cohort	Age	Weight (kg)	Length (cm)						Heart Girth (cm)	Shoulder height (cm)			
						Body	Hind Foot		Tail	Ear	Head					
							a	b					1	2	3	4
Nov-63	M	-	Adult	4.5	140.0	212.1	-	59.1	12.7	14.0		142.2	-	130.8	-	-
Nov-63	M	-	Adult	5.5	140.0	205.7	-	60.3	12.7	15.2		129.5	-	137.2	-	-
Nov-63	M	-	Adult	6.5	108.0	189.9	-	56.5	17.1	14.0		115.6	-	114.9	-	-
Nov-63	M	-	Adult	3.5	119.0	199.4	-	61.0	15.2	14.0		123.8	-	125.7	-	-
Nov-63	M	-	Adult	8.5	132.0	212.7	-	60.3	14.0	16.5		130.2	-	127.6	-	-
Nov-63	F	-	Adult	4.5	100.0	196.2	-	57.2	12.7	13.3		128.9	-	123.2	-	-
Nov-63	F	-	Adult	4.5	102.0	183.5	-	55.9	10.2	13.3		114.3	-	119.4	-	-
Nov-63	F	-	Adult	8.5	113.0	193.0	-	58.4	10.2	12.7		121.9	-	125.1	-	-
Nov-63	F	-	Adult	3.5	108.0	185.0	-	55.9	11.4	13.3		126.4	-	119.4	-	-
Nov-63	F	-	Adult	4.5	110.0	196.2	-	57.8	12.7	13.3		126.4	-	124.5	-	-
Nov-63	F	-	Adult	5.5	105.0	182.2	-	55.2	14.0	12.7		119.4	-	124.5	-	-
Nov-63	F	-	Adult	4.5	101.0	190.5	-	55.9	12.7	12.7		119.4	-	125.7	-	-
Nov-63	F	-	Adult	13.5	119.0	198.8	-	56.5	12.7	13.3		123.2	-	117.5	-	-
Nov-63	F	-	Adult	4.5	109.0	201.9	-	55.9	10.2	14.0		121.3	-	123.2	-	-
Nov-63	F	-	Adult	8.5	106.0	184.1	-	55.9	10.8	12.7		125.4	-	114.3	-	-
Nov-63	F	-	Adult	3.5	108.0	194.9	-	56.5	12.1	12.7		121.9	-	126.4	-	-
Nov-63	F	-	Adult	8.5	106.0	198.1	-	55.9	15.2	11.4		123.8	-	116.2	-	-
Nov-63	F	-	Adult	3.5	101.0	195.6	-	55.9	15.2	14.0		125.7	-	116.2	-	-
Nov-63	F	-	Adult	6.5	109.0	191.1	-	62.2	11.4	13.3		121.9	-	109.2	-	-
Nov-63	F	-	Adult	8.5	104.0	193.7	-	56.5	13.3	12.7		118.1	-	112.4	-	-
Nov-63	F	-	Adult	6.5	104.0	188.6	-	55.9	13.3	12.1		118.1	-	117.5	-	-
Nov-63	F	-	Adult	3.5	114.0	196.9	-	55.9	11.4	14.6		118.7	-	120.7	-	-
Nov-63	F	-	Adult	3.5	99.0	184.2	-	55.2	11.4	14.0		116.8	-	110.5	-	-
Nov-63	F	-	Adult	3.5	119.0	194.3	-	57.2	12.1	13.3		120.7	-	114.3	-	-
29-May-78	F	-	Calf	0	7.4	-	-	-	-	-	-	-	-	-	-	-
29-May-78	F	-	Calf	0	9.5	-	-	-	-	-	-	-	-	-	-	-
29-May-78	F	-	Calf	0	8.1	-	-	-	-	-	-	-	-	-	-	-
29-May-78	M	-	Calf	0	8.6	-	-	-	-	-	-	-	-	-	-	-
29-May-78	F	-	Calf	0	7.9	-	-	-	-	-	-	-	-	-	-	-
29-May-78	F	-	Calf	0	9.2	-	-	-	-	-	-	-	-	-	-	-
29-May-78	F	-	Calf	0	7.4	-	-	-	-	-	-	-	-	-	-	-
30-May-78	F	-	Calf	0	9.5	-	-	-	-	-	-	-	-	-	-	-
30-May-78	F	-	Calf	0	9.0	-	-	-	-	-	-	-	-	-	-	-
30-May-78	F	-	Calf	0	9.0	-	-	-	-	-	-	-	-	-	-	-
30-May-78	F	-	Calf	0	6.3	-	-	-	-	-	-	-	-	-	-	-
30-May-78	M	-	Calf	0	8.3	-	-	-	-	-	-	-	-	-	-	-
30-May-78	M	-	Calf	0	9.5	-	-	-	-	-	-	-	-	-	-	-
30-May-78	M	-	Calf	0	7.7	-	-	-	-	-	-	-	-	-	-	-
30-May-78	F	-	Calf	0	9.0	-	-	-	-	-	-	-	-	-	-	-
30-May-78	M	-	Calf	0	9.9	-	-	-	-	-	-	-	-	-	-	-
30-May-78	F	-	Calf	0	9.0	-	-	-	-	-	-	-	-	-	-	-
30-May-78	F	-	Calf	0	7.2	-	-	-	-	-	-	-	-	-	-	-
30-May-78	F	-	Calf	0	8.6	-	-	-	-	-	-	-	-	-	-	-
30-May-78	M	-	Calf	0	9.5	-	-	-	-	-	-	-	-	-	-	-
31-May-78	F	-	Calf	0	8.1	-	-	-	-	-	-	-	-	-	-	-
31-May-78	M	-	Calf	0	8.1	-	-	-	-	-	-	-	-	-	-	-

Table 4C-3 (con'd). Morphology data for captured or deceased caribou from the Buchans herd, 1963 - 1996. Estimated weights are listed in italics. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Calf/ udder present	Cohort	Age	Weight (kg)	Length (cm)						Heart Girth (cm)	Shoulder height (cm)			
						Body	Hind Foot		Tail	Ear	Head					
							a	b					1	2	3	4
31-May-78	M	-	Calf	0	9.0	-	-	-	-	-	-	-	-	-	-	-
31-May-78	M	-	Calf	0	7.7	-	-	-	-	-	-	-	-	-	-	-
31-May-78	M	-	Calf	0	9.0	-	-	-	-	-	-	-	-	-	-	-
31-May-78	M	-	Calf	0	8.1	-	-	-	-	-	-	-	-	-	-	-
31-May-78	F	-	Calf	0	8.1	-	-	-	-	-	-	-	-	-	-	-
31-May-78	F	-	Calf	0	9.9	-	-	-	-	-	-	-	-	-	-	-
31-May-78	M	-	Calf	0	8.1	-	-	-	-	-	-	-	-	-	-	-
31-May-78	F	-	Calf	0	9.0	-	-	-	-	-	-	-	-	-	-	-
31-May-78	F	-	Calf	0	9.0	-	-	-	-	-	-	-	-	-	-	-
31-May-78	F	-	Calf	0	9.0	-	-	-	-	-	-	-	-	-	-	-
31-May-78	M	-	Calf	0	7.7	-	-	-	-	-	-	-	-	-	-	-
31-May-78	F	-	Calf	0	8.1	-	-	-	-	-	-	-	-	-	-	-
31-May-78	F	-	Calf	0	8.1	-	-	-	-	-	-	-	-	-	-	-
31-May-78	M	-	Calf	0	8.6	-	-	-	-	-	-	-	-	-	-	-
31-May-78	M	-	Calf	0	9.5	-	-	-	-	-	-	-	-	-	-	-
31-May-78	F	-	Calf	0	9.0	-	-	-	-	-	-	-	-	-	-	-
02-Jun-78	M	-	Calf	0	8.6	-	-	-	-	-	-	-	-	-	-	-
02-Jun-78	F	-	Calf	0	8.3	-	-	-	-	-	-	-	-	-	-	-
02-Jun-78	M	-	Calf	0	8.3	-	-	-	-	-	-	-	-	-	-	-
02-Jun-78	M	-	Calf	0	8.1	-	-	-	-	-	-	-	-	-	-	-
02-Jun-78	F	-	Calf	0	8.6	-	-	-	-	-	-	-	-	-	-	-
02-Jun-78	F	-	Calf	0	7.7	-	-	-	-	-	-	-	-	-	-	-
02-Jun-78	M	-	Calf	0	8.1	-	-	-	-	-	-	-	-	-	-	-
02-Jun-78	F	-	Calf	0	9.5	-	-	-	-	-	-	-	-	-	-	-
02-Jun-78	M	-	Calf	0	8.1	-	-	-	-	-	-	-	-	-	-	-
02-Jun-78	F	-	Calf	0	6.8	-	-	-	-	-	-	-	-	-	-	-
02-Jun-78	F	-	Calf	0	9.0	-	-	-	-	-	-	-	-	-	-	-
02-Jun-78	F	-	Calf	0	8.1	-	-	-	-	-	-	-	-	-	-	-
28-May-79	F	-	Calf	0	8.5	-	-	-	-	-	-	-	-	-	-	-
28-May-79	F	-	Calf	0	10.5	-	-	-	-	-	-	-	-	-	-	-
29-May-79	F	-	Calf	0	7.4	-	-	-	-	-	-	-	-	-	-	-
29-May-79	M	-	Calf	0	10.5	-	-	-	-	-	-	-	-	-	-	-
29-May-79	F	-	Calf	0	8.2	-	-	-	-	-	-	-	-	-	-	-
29-May-79	F	-	Calf	0	10.1	-	-	-	-	-	-	-	-	-	-	-
29-May-79	F	-	Calf	0	9.7	-	-	-	-	-	-	-	-	-	-	-
29-May-79	F	-	Calf	0	10.0	-	-	-	-	-	-	-	-	-	-	-
29-May-79	F	-	Calf	0	9.0	-	-	-	-	-	-	-	-	-	-	-
29-May-79	F	-	Calf	0	9.0	-	-	-	-	-	-	-	-	-	-	-
29-May-79	M	-	Calf	0	11.0	-	-	-	-	-	-	-	-	-	-	-
29-May-79	M	-	Calf	0	10.2	-	-	-	-	-	-	-	-	-	-	-
29-May-79	F	-	Calf	0	7.7	-	-	-	-	-	-	-	-	-	-	-
29-May-79	F	-	Calf	0	9.5	-	-	-	-	-	-	-	-	-	-	-
29-May-79	F	-	Calf	0	8.0	-	-	-	-	-	-	-	-	-	-	-
29-May-79	M	-	Calf	0	8.5	-	-	-	-	-	-	-	-	-	-	-
29-May-79	M	-	Calf	0	8.7	-	-	-	-	-	-	-	-	-	-	-
29-May-79	F	-	Calf	0	8.4	-	-	-	-	-	-	-	-	-	-	-

Table 4C-3 (con'd). Morphology data for captured or deceased caribou from the Buchans herd, 1963 - 1996. Estimated weights are listed in italics. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Calf/ udder present	Cohort	Age	Weight (kg)	Length (cm)						Heart Girth (cm)	Shoulder height (cm)			
						Body	Hind Foot		Tail	Ear	Head					
							a	b					1	2	3	4
29-May-79	F	-	Calf	0	9.2	-	-	-	-	-	-	-	-	-	-	-
29-May-79	F	-	Calf	0	9.2	-	-	-	-	-	-	-	-	-	-	-
29-May-79	F	-	Calf	0	8.9	-	-	-	-	-	-	-	-	-	-	-
29-May-79	M	-	Calf	0	9.4	-	-	-	-	-	-	-	-	-	-	-
29-May-79	M	-	Calf	0	8.6	-	-	-	-	-	-	-	-	-	-	-
29-May-79	F	-	Calf	0	10.1	-	-	-	-	-	-	-	-	-	-	-
29-May-79	F	-	Calf	0	8.4	-	-	-	-	-	-	-	-	-	-	-
29-May-79	F	-	Calf	0	8.7	-	-	-	-	-	-	-	-	-	-	-
29-May-79	M	-	Calf	0	9.7	-	-	-	-	-	-	-	-	-	-	-
29-May-79	M	-	Calf	0	7.9	-	-	-	-	-	-	-	-	-	-	-
29-May-79	F	-	Calf	0	7.5	-	-	-	-	-	-	-	-	-	-	-
29-May-79	M	-	Calf	0	9.6	-	-	-	-	-	-	-	-	-	-	-
29-May-79	M	-	Calf	0	7.0	-	-	-	-	-	-	-	-	-	-	-
29-May-79	M	-	Calf	0	9.0	-	-	-	-	-	-	-	-	-	-	-
29-May-79	F	-	Calf	0	11.5	-	-	-	-	-	-	-	-	-	-	-
29-May-79	M	-	Calf	0	9.8	-	-	-	-	-	-	-	-	-	-	-
29-May-79	M	-	Calf	0	10.5	-	-	-	-	-	-	-	-	-	-	-
29-May-79	F	-	Calf	0	8.2	-	-	-	-	-	-	-	-	-	-	-
29-May-79	M	-	Calf	0	7.3	-	-	-	-	-	-	-	-	-	-	-
30-May-79	M	-	Calf	0	9.9	-	-	-	-	-	-	-	-	-	-	-
30-May-79	F	-	Calf	0	9.4	-	-	-	-	-	-	-	-	-	-	-
30-May-79	-	-	Calf	0	8.5	-	-	-	-	-	-	-	-	-	-	-
30-May-79	F	-	Calf	0	7.2	-	-	-	-	-	-	-	-	-	-	-
30-May-79	F	-	Calf	0	8.4	-	-	-	-	-	-	-	-	-	-	-
30-May-79	M	-	Calf	0	10.6	-	-	-	-	-	-	-	-	-	-	-
30-May-79	M	-	Calf	0	9.8	-	-	-	-	-	-	-	-	-	-	-
30-May-79	M	-	Calf	0	9.1	-	-	-	-	-	-	-	-	-	-	-
30-May-79	M	-	Calf	0	9.3	-	-	-	-	-	-	-	-	-	-	-
30-May-79	M	-	Calf	0	9.0	-	-	-	-	-	-	-	-	-	-	-
30-May-79	F	-	Calf	0	8.9	-	-	-	-	-	-	-	-	-	-	-
30-May-79	M	-	Calf	0	9.6	-	-	-	-	-	-	-	-	-	-	-
30-May-79	M	-	Calf	0	9.3	-	-	-	-	-	-	-	-	-	-	-
30-May-79	M	-	Calf	0	9.0	-	-	-	-	-	-	-	-	-	-	-
30-May-79	M	-	Calf	0	8.0	-	-	-	-	-	-	-	-	-	-	-
30-May-79	M	-	Calf	0	7.2	-	-	-	-	-	-	-	-	-	-	-
30-May-79	F	-	Calf	0	10.0	-	-	-	-	-	-	-	-	-	-	-
30-May-79	M	-	Calf	0	12.0	-	-	-	-	-	-	-	-	-	-	-
30-May-79	F	-	Calf	0	9.7	-	-	-	-	-	-	-	-	-	-	-
30-May-79	M	-	Calf	0	8.9	-	-	-	-	-	-	-	-	-	-	-
30-May-79	F	-	Calf	0	10.5	-	-	-	-	-	-	-	-	-	-	-
30-May-79	F	-	Calf	0	8.5	-	-	-	-	-	-	-	-	-	-	-
30-May-79	M	-	Calf	0	9.5	-	-	-	-	-	-	-	-	-	-	-
30-May-79	F	-	Calf	0	10.9	-	-	-	-	-	-	-	-	-	-	-
30-May-79	M	-	Calf	0	10.6	-	-	-	-	-	-	-	-	-	-	-
30-May-79	M	-	Calf	0	11.2	-	-	-	-	-	-	-	-	-	-	-
30-May-79	M	-	Calf	0	11.9	-	-	-	-	-	-	-	-	-	-	-

Table 4C-3 (con'd). Morphology data for captured or deceased caribou from the Buchans herd, 1963 - 1996. Estimated weights are listed in italics. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Calf/ udder present	Cohort	Age	Weight (kg)	Length (cm)						Heart Girth (cm)	Shoulder height (cm)			
						Body	Hind Foot		Tail	Ear	Head					
							a	b					1	2	3	4
30-May-79	M	-	Calf	0	11.3	-	-	-	-	-	-	-	-	-	-	-
31-May-79	M	-	Calf	0	9.1	-	-	-	-	-	-	-	-	-	-	-
31-May-79	M	-	Calf	0	10.1	-	-	-	-	-	-	-	-	-	-	-
31-May-79	F	-	Calf	0	10.0	-	-	-	-	-	-	-	-	-	-	-
31-May-79	M	-	Calf	0	12.0	-	-	-	-	-	-	-	-	-	-	-
31-May-79	M	-	Calf	0	9.5	-	-	-	-	-	-	-	-	-	-	-
31-May-79	F	-	Calf	0	9.9	-	-	-	-	-	-	-	-	-	-	-
31-May-79	M	-	Calf	0	9.4	-	-	-	-	-	-	-	-	-	-	-
31-May-79	F	-	Calf	0	9.5	-	-	-	-	-	-	-	-	-	-	-
31-May-79	F	-	Calf	0	10.6	-	-	-	-	-	-	-	-	-	-	-
31-May-79	F	-	Calf	0	7.0	-	-	-	-	-	-	-	-	-	-	-
31-May-79	F	-	Calf	0	9.6	-	-	-	-	-	-	-	-	-	-	-
31-May-79	M	-	Calf	0	9.8	-	-	-	-	-	-	-	-	-	-	-
31-May-79	M	-	Calf	0	9.2	-	-	-	-	-	-	-	-	-	-	-
31-May-79	M	-	Calf	0	10.5	-	-	-	-	-	-	-	-	-	-	-
31-May-79	M	-	Calf	0	7.0	-	-	-	-	-	-	-	-	-	-	-
31-May-79	F	-	Calf	0	8.7	-	-	-	-	-	-	-	-	-	-	-
31-May-79	M	-	Calf	0	10.4	-	-	-	-	-	-	-	-	-	-	-
16-Oct-93	F	-	Adult	-	*90.0*	169.0	39.0	-	8.0	-	37.0	117.0	113.0	-	-	-
16-Oct-93	F	-	Adult	-	110.0	190.0	39.0	-	12.0	-	36.0	118.0	94.0	-	-	-
17-Oct-93	F	-	Adult	-	*105.0*	183.0	36.0	-	12.0	13.0	38.0	117.0	93.0	-	-	-
20-Oct-93	F	-	Adult	-	*100.0*	177.0	38.0	-	11.0	12.0	34.0	111.0	95.0	-	-	-
20-Oct-93	M	-	Adult	-	-	208.0	43.0	-	16.5	14.0	38.0	140.0	105.0	-	-	-
20-Oct-93	F	-	Adult	-	*100.0*	172.0	39.0	-	-	-	36.0	119.0	94.0	-	-	-
21-Oct-93	M	-	Adult	-	*110.0*	214.0	44.0	-	-	-	46.0	137.0	106.0	-	-	-
21-Oct-93	M	-	Adult	-	*115.0*	219.0	43.0	-	-	-	46.0	138.0	122.0	-	-	-
21-Oct-93	F	-	Adult	-	-	118.0	38.0	-	-	-	36.0	133.0	98.0	-	-	-
06-Sep-94	F	Yes	Adult	-	-	179.0	42.0	56.0	-	-	-	111.0	113.0	121.0	106.0	114.0
07-Sep-94	F	Yes	Adult	2	105.0	175.0	41.0	54.0	-	-	-	123.0	100.0	108.0	98.0	109.0
07-Sep-94	M	-	Adult	4	165.0	196.0	41.0	53.0	-	-	-	136.0	114.0	124.0	100.0	104.0
08-Sep-94	F	Yes	Adult	7-8	95.0	187.0	40.0	52.0	-	-	-	116.0	106.0	115.0	99.0	109.0
08-Sep-94	F	Yes	Adult	7	-	179.0	40.0	53.0	-	-	-	108.0	107.0	117.0	98.0	108.0
08-Sep-94	M	-	Adult	8	-	186.0	44.0	56.0	-	-	-	117.0	109.0	120.0	103.0	113.0
08-Sep-94	F	No	Adult	-	95.0	163.0	41.0	54.0	-	-	-	109.0	113.0	123.0	102.0	110.0
09-Sep-94	M	-	Adult	2	-	188.0	44.0	58.0	-	-	-	129.0	116.0	125.0	108.0	118.0
09-Sep-94	F	Yes	Adult	8-9	112.0	184.0	43.0	54.0	-	-	-	112.0	111.0	121.0	104.0	113.0
09-Sep-94	F	Yes	Adult	5	115.0	190.0	42.0	55.0	-	-	-	110.0	108.0	118.0	104.0	115.0
09-Sep-94	F	Yes	Adult	10	107.0	178.0	43.0	56.0	-	-	-	115.0	106.0	115.0	100.0	111.0
09-Sep-94	F	Yes	Adult	11	130.0	192.0	43.0	56.0	-	-	-	117.0	111.0	120.0	100.0	110.0
09-Sep-94	F	Yes	Adult	5	100.0	175.0	40.0	55.0	-	-	-	110.0	106.0	118.0	99.0	109.0
08-Sep-94	M	-	Adult	-	150.0	190.0	41.0	53.0	-	-	-	119.0	109.0	118.0	106.0	114.0
09-Sep-94	F	-	Adult	7	105.0	178.0	40.0	53.0	-	-	-	103.0	103.0	110.0	95.0	104.0
09-Sep-94	M	-	Adult	5	85.0	188.0	42.0	54.0	-	-	-	131.0	105.0	115.0	97.0	108.0
09-Sep-94	F	Yes	Adult	-	-	178.0	40.0	52.0	-	-	-	108.0	107.0	116.0	100.0	110.0
09-Sep-94	M	-	Adult	-	-	188.0	44.0	58.0	-	-	-	118.0	-	-	-	-
07-Sep-94	F	Yes	Adult	4	90.0	180.0	42.0	55.0	-	-	-	104.0	98.0	107.0	92.0	103.0

Table 4C-3 (con'd). Morphology data for captured or deceased caribou from the Buchans herd, 1963 - 1996. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Calf/ udder present	Cohort	Age	Weight (kg)	Length (cm)						Heart Girth (cm)	Shoulder height (cm)			
						Body	Hind Foot		Tail	Ear	Head					
							a	b					1	2	3	4
06-Sep-94	F	-	Adult	-	-	184.0	41.0	53.0	-	-	-	104.0	108.0	117.0	100.0	109.0
06-Sep-94	F	-	Adult	8	134.0	183.0	43.0	56.0	-	-	-	112.0	102.0	112.0	97.0	106.0
09-Sep-94	F	Yes	Adult	-	-	190.0	46.0	58.0	-	-	-	115.0	113.0	123.0	109.0	118.0
07-Sep-94	F	Yes	Adult	11	115.0	178.0	45.0	56.0	-	-	-	110.0	110.0	118.0	107.0	113.0
07-Sep-94	F	Yes	Adult	8	-	178.0	42.0	53.0	-	-	-	110.0	107.0	117.0	98.0	107.0
07-Sep-94	F	Yes	Adult	6	105.0	175.0	44.0	56.0	-	-	-	110.0	108.0	118.0	103.0	113.0
07-Sep-94	M	-	Adult	4	134.0	190.0	44.0	55.0	-	-	-	112.0	109.0	117.0	106.0	114.0
07-Sep-94	F	Yes	Adult	5	95.0	170.0	38.0	48.0	-	-	-	112.0	95.0	105.0	87.0	97.0
08-Sep-94	F	Yes	Adult	3	-	174.0	43.0	54.0	-	-	-	112.0	112.0	120.0	104.0	114.0
07-Oct-96	M	-	Adult	-	*168.0*	204.0	44.0	56.0	-	-	-	130.0	121.0	132.0	94.0	109.0
08-Oct-96	M	-	Adult	-	-	201.0	43.0	56.0	-	-	-	146.0	115.0	123.0	98.0	108.0
08-Oct-96	M	-	Adult	-	-	226.0	45.0	58.0	-	-	-	137.0	120.0	132.0	109.0	119.0
08-Oct-96	M	-	Adult	-	-	204.0	43.0	56.0	-	-	-	127.0	117.0	127.0	107.0	118.0
09-Oct-96	F	No	Adult	-	-	183.0	40.0	52.0	-	-	-	118.0	107.0	117.0	100.0	110.0
09-Oct-96	M	-	Adult	-	-	188.0	43.0	56.0	-	-	-	125.0	114.0	125.0	106.0	116.0
09-Oct-96	F	No	Adult	-	-	200.0	43.0	56.0	-	-	-	120.0	113.0	123.0	103.0	115.0
09-Oct-96	F	Yes	Adult	-	-	174.0	39.0	50.0	-	-	-	112.0	99.0	109.0	91.0	101.0
08-Oct-96	F	Yes	Adult	-	-	175.0	43.0	56.0	-	-	-	110.0	98.0	107.0	93.0	105.0
07-Oct-96	F	No	Adult	-	*101.0*	177.0	40.0	53.0	-	-	-	126.0	93.0	97.0	76.0	90.0
08-Oct-96	F	No	Adult	-	-	175.0	40.0	53.0	-	-	-	123.0	104.0	114.0	98.0	108.0
09-Oct-96	M	-	Adult	-	*158.0*	200.0	42.0	56.0	-	-	-	132.0	120.0	133.0	104.0	115.0
09-Oct-96	F	Yes	Adult	-	*98.0*	185.0	41.0	57.0	-	-	-	114.0	107.0	118.0	91.0	102.0
08-Oct-96	M	-	Adult	-	*158.0*	210.0	45.0	59.0	-	-	-	132.0	120.0	134.0	104.0	116.0
09-Oct-96	F	No	Adult	-	*90.0*	170.0	41.0	56.0	-	-	-	120.0	105.0	117.0	86.0	99.0
08-Oct-96	F	No	Adult	-	*79.0*	150.0	41.0	53.0	-	-	-	120.0	101.0	113.0	83.0	95.0
08-Oct-96	M	-	Adult	-	*90.0*	166.0	43.0	68.0	-	-	-	120.0	113.0	124.0	97.0	107.0
08-Oct-96	F	No	Adult	-	*77.0*	178.0	40.0	53.0	-	-	-	120.0	103.0	115.0	93.0	105.0
11-Oct-96	F	-	Adult	-	-	180.0	40.0	52.0	-	-	-	113.0	100.0	110.0	95.0	105.0
11-Oct-96	F	Yes	Adult	-	*81.0*	180.0	44.0	51.0	-	-	-	114.0	110.0	118.0	94.0	99.0
11-Oct-96	F	No	Adult	-	*90.0*	172.0	41.0	53.0	-	-	-	119.0	113.0	123.0	90.0	100.0
11-Oct-96	M	-	Adult	-	*113.0*	195.0	44.0	57.0	-	-	-	130.0	114.0	125.0	91.0	103.0
11-Oct-96	M	-	Adult	-	-	210.0	40.0	53.0	-	-	-	-	105.0	115.0	96.0	106.0
11-Oct-96	M	-	Adult	-	-	206.0	45.0	58.0	-	-	-	130.0	112.0	122.0	105.0	114.0
11-Oct-96	F	-	Adult	-	-	169.0	40.0	53.0	-	-	-	114.0	110.0	119.0	99.0	108.0
11-Oct-96	F	No	Adult	-	-	184.0	43.0	56.0	-	-	-	117.0	110.0	121.0	105.0	116.0

Table 4C-4. Morphology data for captured or deceased caribou from the Cape Shore herd, 1980. Hind foot length was measured from the tuber calcis to the distal tip of the hoof. Shoulder height was measured from the tip of the spinous process to the distal tip of the hoof.

Date	Sex	Cohort	Age	Weight (kg)	Length (cm)		Heart Girth (cm)	Shoulder Height (cm)
					Body	Hind Foot		
07-Jan-80	F	Adult	-	88.4	-	-	-	-
07-Jan-80	M	Adult	-	117.9	-	-	-	-
09-Jan-80	F	Adult	-	99.7	-	-	-	-
09-May-80	F	Yearling	-	68.0	-	-	-	-
09-May-80	F	Yearling	-	59.0	-	-	-	-
09-May-80	F	Yearling	-	62.0	-	-	-	-
26-May-80	F	Calf	-	9.1	76.0	34.0	47.0	65.0
26-May-80	F	Calf	0	7.2	76.0	33.0	43.0	62.0
26-May-80	F	Calf	0	7.7	76.0	34.0	44.0	58.0
27-May-80	F	Calf	0	9.1	83.0	33.0	46.0	58.0
27-May-80	F	Calf	0	9.1	86.0	36.0	46.0	61.0
27-May-80	F	Calf	0	6.8	79.0	33.0	43.0	58.0
27-May-80	M	Calf	0	9.1	84.0	34.0	48.0	61.0
27-May-80	M	Calf	0	9.1	86.0	33.0	46.0	66.0
31-May-80	F	Calf	0	7.3	81.0	30.0	43.0	56.0
31-May-80	F	Calf	0	13.6	95.0	37.0	58.0	63.0

Table 4C-5. Morphology data for captured or deceased caribou from the Corner Brook Lakes herd, 1994 - 1996. Hind foot length was measured from the tuber calcis to the distal tip of the hoof. Shoulder height was measured from the tip of the spinous process to the distal tip of the hoof.

Date	Sex	Cohort	Age	Weight (kg)	Length (cm)		Heart Girth (cm)	Shoulder Height (cm)
					Body	Hind Foot		
07-Mar-94	F	Adult	-	85.0	174.5	55.0	114.5	114.5
07-Mar-94	F	Adult	5	100.0	181.5	57.0	118.5	126.0
07-Mar-94	F	Adult	10	-	187.5	44.5	123.5	118.5
07-Mar-94	F	Adult	5	-	182.0	-	-	-
15-Mar-94	M	Adult	-	110.0	188.0	57.0	122.0	125.0
15-Mar-94	F	Adult	-	-	187.0	57.5	123.0	124.5
16-Mar-94	M	Adult	9	-	215.0	60.0	128.5	129.5
22-Mar-94	M	Adult	5	-	195.5	-	119.0	127.0
22-Mar-94	F	Adult	3	70.0	168.0	52.0	100.0	110.0
22-Mar-94	F	Adult	-	100.0	191.0	53.5	116.5	119.0
23-Mar-94	F	Adult	7	90.0	187.0	56.0	113.0	119.0
23-Mar-94	F	Adult	6	-	195.0	57.0	121.0	127.0
28-May-94	M	Calf	0	9.0	80.0	36.0	45.0	54.0
28-May-94	F	Calf	0	7.5	78.5	34.0	45.5	60.0
28-May-94	M	Calf	0	7.5	81.0	33.0	44.0	52.0
28-May-94	F	Calf	0	8.6	77.0	35.0	47.0	58.0
30-May-94	M	Calf	0	9.5	86.0	36.0	48.0	60.0
30-May-94	M	Calf	0	9.5	83.9	36.0	49.5	68.0
05-Jun-94	F	Calf	0	7.5	80.0	35.0	49.0	63.0
05-Jun-94	M	Calf	0	5.0	69.0	30.0	38.0	49.0
05-Jun-94	F	Calf	0	10.5	88.0	34.0	50.0	65.0
29-May-95	M	Calf	0	8.3	79.0	33.0	44.0	57.5
29-May-95	M	Calf	0	8.0	80.0	34.0	41.0	54.0
29-May-95	F	Calf	0	8.7	85.0	36.5	48.0	64.0
29-May-95	M	Calf	0	10.5	92.0	36.0	47.0	64.0
31-May-95	M	Calf	0	10.5	90.0	36.0	51.0	62.0
02-Jun-95	M	Calf	0	8.9	78.0	36.0	47.0	62.0
02-Jun-95	M	Calf	0	12.5	90.0	38.0	54.0	56.0
05-Jun-95	F	Calf	0	9.5	87.0	35.0	48.0	67.0
05-Jun-95	M	Calf	0	11.0	-	36.0	-	-
05-Jun-95	M	Calf	0	10.0	89.0	37.0	47.0	57.0
15-Jun-95	F	Adult	10	-	198.0	53.0	125.0	108.0
16-Jun-95	M	Adult	-	-	196.0	60.0	-	134.0
16-Jun-95	F	Adult	7	105.0	183.0	56.0	123.0	124.0
16-Jun-95	F	Adult	3	85.0	183.0	53.0	112.0	110.0
16-Jun-95	F	Adult	2	85.0	179.0	55.0	110.0	119.0
20-Jun-95	F	Adult	5	-	168.0	57.0	132.0	118.0
20-Jun-95	F	Adult	10	60.0	180.0	51.0	118.0	113.0
20-Jun-95	M	Adult	2	-	176.0	58.0	108.0	116.0
20-Jun-95	F	Adult	8	-	182.0	58.0	127.0	116.0
20-Jun-95	M	Adult	5	-	198.0	59.0	129.0	131.0
29-May-96	M	Calf	0	8.0	86.0	34.0	46.0	61.0
29-May-96	M	Calf	0	11.0	87.0	36.0	50.5	67.0
29-May-96	M	Calf	0	10.0	86.0	37.0	53.0	66.0

Table 4C-6. Morphology data for captured or deceased caribou from the Grey Islands herd, 1977 - 1992. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Calf/ udder present	Cohort	Age	Weight (kg)	Length (cm)				Heart Girth (cm)	Shoulder height (cm)				Neck circ. (cm)
						Body	Hind Foot		Head		1	2	3	4	
							a	b							
05-May-77	M	-	Adult	-	158.6	-	-	-	-	-	-	-	-	-	-
05-May-77	M	-	Adult	-	172.7	237.5	-	66.0	46.2	149.9	-	137.2	-	-	71.1
05-May-77	M	-	Adult	4	147.7	226.1	-	64.8	44.5	139.7	-	137.2	-	-	69.9
05-May-77	M	-	Adult	-	154.0	-	-	-	-	-	-	-	-	-	-
05-May-77	M	-	Adult	5	156.8	215.9	-	55.9	38.1	139.7	-	118.1	-	-	78.7
05-May-77	M	-	Adult	5	129.6	205.7	-	58.4	44.5	129.5	-	129.5	-	-	68.6
06-May-77	F	Yes	Yearling	1	100.0	190.5	-	57.1	38.1	114.3	-	121.9	-	-	55.9
20-May-77	M	-	Adult	10	152.3	213.4	-	55.9	45.7	134.6	-	114.3	-	-	71.1
28-Apr-92	F	Yes	Adult	7	-	-	42.5	56.0	-	105.0	107.5	117.5	104.0	113.7	-
28-Apr-92	M	-	Adult	2	86.4	191.0	47.0	58.0	-	113.0	118.0	124.0	112.0	118.0	-
29-Apr-92	F	Yes	Adult	9	91.4	191.0	47.0	60.0	-	115.0	113.0	122.8	105.0	11.5	-
29-Apr-92	F	No	Adult	3	66.6	179.0	45.0	57.8	-	108.0	107.5	115.5	101.5	110.0	-
29-Apr-92	F	Yes	Adult	6	99.9	191.0	43.0	55.0	-	129.0	110.5	118.8	105.4	113.0	-
29-Apr-92	M	-	Adult	2	80.1	172.5	45.0	56.5	-	114.0	110.0	118.0	105.0	114.0	-
29-Apr-92	F	Yes	Adult	10	99.9	-	-	-	-	-	-	-	-	-	-
29-Apr-92	F	-	Fetus	-	3.5	68.0	19.5	25.0	-	-	43.0	46.5	-	-	-
29-Apr-92	F	-	Adult	5	95.4	180.0	45.0	57.0	-	129.0	110.0	119.5	107.0	115.5	-
29-Apr-92	F	-	Fetus	-	4.3	68.5	21.5	26.0	-	-	46.0	49.0	-	-	-
29-Apr-92	M	-	Fetus	-	4.5	72.0	22.0	26.0	-	-	46.5	51.0	-	-	-
30-Apr-92	M	-	Adult	2	69.3	169.0	43.5	55.5	-	112.0	105.0	115.5	100.0	109.5	-
30-Apr-92	M	-	Adult	2	62.6	171.0	41.0	53.5	-	112.0	104.5	113.0	97.0	105.5	-

Table 4C-7. Morphology data for captured or deceased caribou from the Grey River herd, 1975 - 1994. Estimated weights are listed in italics. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Calf/ udder present	Cohort	Age	Weight (kg)	Length (cm)						Heart Girth (cm)	Shoulder height (cm)			
						Body	Hind Foot		Tail	Ear	Head					
							a	b					1	2	3	4
03-Jun-75	M	-	Calf	-	10.7	88.9	-	-	-	-	-	50.8	-	-	-	-
03-Jun-75	M	-	Calf	-	4.5	73.7	-	-	-	-	-	39.4	-	-	-	-
03-Jun-75	F	-	Calf	-	6.8	80.0	-	-	-	-	-	43.2	-	-	-	-
03-Jun-75	M	-	Calf	-	5.0	78.7	-	-	-	-	-	43.2	-	-	-	-
03-Jun-75	F	-	Calf	-	7.3	78.7	-	-	-	-	-	41.9	-	-	-	-
03-Jun-75	M	-	Calf	-	8.2	83.8	-	-	-	-	-	48.3	-	-	-	-
03-Jun-75	F	-	Calf	-	7.3	80.0	-	-	-	-	-	43.2	-	-	-	-
03-Jun-75	M	-	Calf	-	8.2	86.4	-	-	-	-	-	44.5	-	-	-	-
03-Jun-75	M	-	Calf	-	10.7	86.4	-	-	-	-	-	47.0	-	-	-	-
03-Jun-75	F	-	Calf	-	6.8	86.4	-	-	-	-	-	44.5	-	-	-	-
03-Jun-75	F	-	Calf	-	7.3	83.8	-	-	-	-	-	45.7	-	-	-	-
03-Jun-75	F	-	Calf	-	10.5	86.4	-	-	-	-	-	47.0	-	-	-	-
03-Jun-75	M	-	Calf	-	7.3	78.7	-	-	-	-	-	43.2	-	-	-	-
03-Jun-75	M	-	Calf	-	5.5	81.3	-	-	-	-	-	39.4	-	-	-	-
03-Jun-75	M	-	Calf	-	10.9	86.4	-	-	-	-	-	50.8	-	-	-	-
04-Jun-75	M	-	Calf	-	7.7	83.8	-	-	-	-	-	40.6	-	-	-	-
04-Jun-75	M	-	Calf	-	9.1	83.8	-	-	-	-	-	44.5	-	-	-	-
04-Jun-75	F	-	Calf	-	7.7	81.3	-	-	-	-	-	45.7	-	-	-	-
04-Jun-75	M	-	Calf	-	8.2	83.8	-	-	-	-	-	45.7	-	-	-	-
04-Jun-75	M	-	Calf	-	8.2	83.8	-	-	-	-	-	40.6	-	-	-	-
04-Jun-75	M	-	Calf	-	7.7	86.4	-	-	-	-	-	40.6	-	-	-	-
04-Jun-75	F	-	Calf	-	8.2	78.7	-	-	-	-	-	45.7	-	-	-	-
04-Jun-75	M	-	Calf	-	10.7	83.8	-	-	-	-	-	45.7	-	-	-	-
04-Jun-75	M	-	Calf	-	7.3	83.8	-	-	-	-	-	45.7	-	-	-	-
04-Jun-75	M	-	Calf	-	35.5	88.9	-	-	-	-	-	48.3	-	-	-	-
04-Jun-75	F	-	Calf	-	8.2	83.8	-	-	-	-	-	48.3	-	-	-	-
04-Jun-75	M	-	Calf	-	10.0	90.2	-	-	-	-	-	45.7	-	-	-	-
04-Jun-75	M	-	Calf	-	7.7	73.7	-	-	-	-	-	40.6	-	-	-	-
04-Jun-75	M	-	Calf	-	7.7	86.4	-	-	-	-	-	45.7	-	-	-	-
04-Jun-75	F	-	Calf	-	10.7	81.3	-	-	-	-	-	45.7	-	-	-	-
04-Jun-75	M	-	Calf	-	6.8	77.5	-	-	-	-	-	40.6	-	-	-	-
04-Jun-75	F	-	Calf	-	10.7	86.4	-	-	-	-	-	48.3	-	-	-	-
04-Jun-75	F	-	Calf	-	7.7	76.2	-	-	-	-	-	43.2	-	-	-	-
04-Jun-75	M	-	Calf	-	8.6	88.9	-	-	-	-	-	45.7	-	-	-	-
04-Jun-75	F	-	Calf	-	7.7	81.3	-	-	-	-	-	48.3	-	-	-	-
04-Jun-75	F	-	Calf	-	10.0	83.8	-	-	-	-	-	49.5	-	-	-	-
04-Jun-75	M	-	Calf	-	7.2	73.7	-	-	-	-	-	45.7	-	-	-	-
04-Jun-75	F	-	Calf	-	6.4	81.3	-	-	-	-	-	43.2	-	-	-	-
04-Jun-75	M	-	Calf	-	7.3	78.7	-	-	-	-	-	43.2	-	-	-	-
04-Jun-75	M	-	Calf	-	4.5	76.2	-	-	-	-	-	40.6	-	-	-	-
04-Jun-75	F	-	Calf	-	7.3	73.7	-	-	-	-	-	44.5	-	-	-	-
04-Jun-75	M	-	Calf	-	8.6	83.8	-	-	-	-	-	45.7	-	-	-	-
04-Jun-75	M	-	Calf	-	7.7	82.6	-	-	-	-	-	43.2	-	-	-	-
04-Jun-75	F	-	Calf	-	4.5	73.7	-	-	-	-	-	39.4	-	-	-	-
04-Jun-75	M	-	Calf	-	8.6	81.3	-	-	-	-	-	43.2	-	-	-	-
06-Jun-75	M	-	Calf	-	9.1	86.4	-	-	-	-	-	48.3	-	-	-	-

Table 4C-7 (con'd). Morphology data for captured or deceased caribou from the Grey River herd, 1975 - 1994. Estimated weights are listed in italics. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Calf/ udder present	Cohort	Age	Weight (kg)	Length (cm)						Heart Girth (cm)	Shoulder height (cm)			
						Body	Hind Foot		Tail	Ear	Head					
							a	b					1	2	3	4
06-Jun-75	M	-	Calf	-	7.7	82.6	-	-	-	-	-	38.1	-	-	-	-
06-Jun-75	M	-	Calf	-	6.8	76.2	-	-	-	-	-	43.2	-	-	-	-
06-Jun-75	M	-	Calf	-	10.0	85.1	-	-	-	-	-	43.2	-	-	-	-
06-Jun-75	M	-	Calf	-	7.7	81.3	-	-	-	-	-	43.2	-	-	-	-
06-Jun-75	M	-	Calf	-	8.2	83.8	-	-	-	-	-	48.3	-	-	-	-
06-Jun-75	F	-	Calf	-	7.2	76.2	-	-	-	-	-	40.6	-	-	-	-
06-Jun-75	M	-	Calf	-	9.1	83.8	-	-	-	-	-	45.7	-	-	-	-
06-Jun-75	M	-	Calf	-	8.2	81.3	-	-	-	-	-	43.2	-	-	-	-
06-Jun-75	M	-	Calf	-	8.6	81.3	-	-	-	-	-	43.2	-	-	-	-
06-Jun-75	F	-	Calf	-	8.2	73.7	-	-	-	-	-	40.6	-	-	-	-
07-Jun-75	M	-	Calf	-	7.2	78.7	-	-	-	-	-	43.2	-	-	-	-
07-Jun-75	M	-	Calf	-	11.4	88.9	-	-	-	-	-	48.3	-	-	-	-
07-Jun-75	F	-	Calf	-	10.7	87.6	-	-	-	-	-	47.0	-	-	-	-
07-Jun-75	M	-	Calf	-	9.1	81.3	-	-	-	-	-	61.0	-	-	-	-
07-Jun-75	M	-	Calf	-	9.1	85.1	-	-	-	-	-	50.8	-	-	-	-
07-Jun-75	F	-	Calf	-	7.2	73.7	-	-	-	-	-	43.2	-	-	-	-
07-Jun-75	F	-	Calf	-	10.0	83.8	-	-	-	-	-	45.7	-	-	-	-
07-Jun-75	F	-	Calf	-	8.2	86.4	-	-	-	-	-	48.3	-	-	-	-
07-Jun-75	M	-	Calf	-	7.2	81.3	-	-	-	-	-	45.7	-	-	-	-
07-Jun-75	F	-	Calf	-	8.2	81.3	-	-	-	-	-	45.7	-	-	-	-
07-Jun-75	M	-	Calf	-	10.9	85.1	-	-	-	-	-	47.0	-	-	-	-
07-Jun-75	M	-	Calf	-	6.8	78.7	-	-	-	-	-	40.6	-	-	-	-
07-Jun-75	M	-	Calf	-	8.2	82.6	-	-	-	-	-	43.2	-	-	-	-
07-Jun-75	M	-	Calf	-	11.8	88.9	-	-	-	-	-	50.8	-	-	-	-
26-May-76	F	Yes	Adult	-	-	181.6	-	58.4	12.7	12.7	-	116.8	-	121.9	-	-
26-May-76	F	Yes	Adult	-	-	186.7	-	54.6	13.3	12.1	-	123.2	-	119.4	-	-
26-May-76	F	Yes	Adult	-	-	189.2	-	58.4	14.0	12.7	-	121.9	-	114.3	-	-
26-May-76	F	Yes	Adult	-	-	191.8	-	58.4	10.2	12.7	-	115.6	-	123.2	-	-
26-May-76	F	-	Calf	0	-	85.1	-	-	-	-	-	41.9	-	-	-	-
26-May-76	F	Yes	Adult	-	-	182.9	-	53.3	10.8	12.1	-	113.0	-	114.3	-	-
26-May-76	F	-	Calf	0	-	86.4	-	-	-	-	-	40.6	-	-	-	-
26-May-76	F	-	Calf	0	-	86.4	-	-	-	-	-	48.3	-	-	-	-
26-May-76	F	Yes	Adult	-	-	193.0	-	57.2	12.7	12.1	-	129.5	-	121.9	-	-
26-May-76	F	Yes	Adult	-	-	185.4	-	55.9	11.4	11.4	-	133.4	-	120.7	-	-
26-May-76	F	Yes	Adult	-	-	180.3	-	53.3	11.4	12.1	-	110.5	-	114.3	-	-
27-May-76	M	-	Calf	0	10.8	84.5	-	-	-	-	-	50.8	-	-	-	-
27-May-76	F	-	Calf	0	12.8	91.4	-	-	-	-	-	53.3	-	-	-	-
27-May-76	F	-	Calf	0	7.2	78.7	-	-	-	-	-	45.7	-	-	-	-
27-May-76	F	Yes	Adult	-	106.6	194.3	-	55.9	11.4	13.3	-	116.8	-	123.2	-	-
27-May-76	F	Yes	Adult	-	113.4	198.1	-	58.4	16.5	12.7	-	127.0	-	121.9	-	-
27-May-76	F	Yes	Adult	-	99.8	191.8	-	56.5	12.1	12.7	-	116.8	-	114.3	-	-
27-May-76	F	Yes	Adult	-	104.3	193.0	-	58.4	12.7	12.7	-	119.4	-	121.9	-	-
27-May-76	F	Yes	Adult	-	-	207.0	-	60.9	12.7	14.0	-	124.5	-	116.8	-	-
28-May-76	F	Yes	Adult	-	102.1	185.4	-	56.5	12.1	12.7	-	114.3	-	106.7	-	-
28-May-76	F	-	Calf	0	9.0	78.7	-	-	-	-	-	47.0	-	-	-	-
28-May-76	F	Yes	Adult	-	96.2	193.0	-	57.2	15.2	12.7	-	111.8	-	111.8	-	-

Table 4C-7 (con'd). Morphology data for captured or deceased caribou from the Grey River herd, 1975 - 1994. Estimated weights are listed in italics. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Calf/ udder present	Cohort	Age	Weight (kg)	Length (cm)						Heart Girth (cm)	Shoulder height (cm)			
						Body	Hind Foot		Tail	Ear	Head					
							a	b					1	2	3	4
28-May-76	F	Yes	Adult	-	-	180.3	-	-	-	-	-	114.3	-	-	-	-
28-May-76	F	Yes	Adult	-	97.5	201.9	-	55.9	17.8	12.7	-	118.1	-	120.7	-	-
28-May-76	F	Yes	Adult	-	90.7	184.8	-	-	-	-	-	112.4	-	-	-	-
28-May-76	F	Yes	Adult	-	-	-	-	-	-	-	-	-	-	-	-	-
28-May-76	F	No	Adult	-	-	-	-	-	-	-	-	-	-	-	-	-
28-May-76	F	Yes	Adult	-	-	188.0	-	-	-	-	-	118.1	-	-	-	-
28-May-76	M	-	Calf	0	9.9	90.2	-	-	-	-	-	53.3	-	-	-	-
28-May-76	M	-	Calf	0	11.3	90.2	-	-	-	-	-	53.3	-	-	-	-
28-May-76	F	Yes	Adult	-	-	201.9	-	-	-	-	-	121.9	-	-	-	-
28-May-76	F	Yes	Adult	-	-	185.4	-	-	-	-	-	103.5	-	-	-	-
29-May-76	F	Yes	Adult	-	-	190.5	-	-	-	-	-	120.7	-	-	-	-
29-May-76	F	Yes	Adult	-	99.8	185.4	-	-	-	-	-	109.2	-	-	-	-
29-May-76	F	Yes	Adult	-	102.1	184.2	-	-	-	-	-	118.1	-	-	-	-
29-May-76	F	-	Calf	0	10.8	91.4	-	-	-	-	-	48.3	-	-	-	-
29-May-76	M	-	Calf	0	8.6	81.3	-	-	-	-	-	48.3	-	-	-	-
29-May-76	M	-	Calf	0	7.7	78.7	-	-	-	-	-	45.7	-	-	-	-
29-May-76	M	-	Calf	0	9.9	86.4	-	-	-	-	-	45.7	-	-	-	-
29-May-76	F	Yes	Adult	-	93.0	189.2	-	-	-	-	-	109.2	-	-	-	-
29-May-76	F	Yes	Adult	-	108.9	190.5	-	-	-	-	-	118.1	-	-	-	-
29-May-76	F	Yes	Adult	-	90.7	175.3	-	-	-	-	-	101.6	-	-	-	-
29-May-76	F	Yes	Adult	-	115.7	189.2	-	-	-	-	-	116.8	-	-	-	-
29-May-76	F	Yes	Adult	-	-	190.5	-	-	-	-	-	119.4	-	-	-	-
29-May-76	F	Yes	Adult	-	93.0	185.4	-	-	-	-	-	109.2	-	-	-	-
31-May-76	F	Yes	Adult	-	104.3	172.2	-	-	-	-	-	109.2	-	-	-	-
31-May-76	M	-	Calf	0	-	94.0	-	-	-	-	-	55.2	-	-	-	-
31-May-76	F	Yes	Adult	-	102.1	182.9	-	-	-	-	-	113.0	-	-	-	-
31-May-76	F	Yes	Adult	-	102.1	180.3	-	-	-	-	-	111.8	-	-	-	-
31-May-76	F	-	Calf	0	-	86.4	-	-	-	-	-	50.8	-	-	-	-
31-May-76	F	Yes	Adult	-	-	193.0	-	-	-	-	-	123.2	-	-	-	-
31-May-76	F	Yes	Adult	-	124.7	193.0	-	-	-	-	-	113.0	-	-	-	-
31-May-76	F	Yes	Adult	-	108.9	213.4	-	-	-	-	-	115.6	-	-	-	-
02-Jun-76	F	Yes	Adult	-	-	191.8	-	-	-	-	-	116.8	-	-	-	-
02-Jun-76	F	Yes	Adult	-	-	186.7	-	-	-	-	-	118.1	-	-	-	-
02-Jun-76	F	Yes	Adult	-	-	190.5	-	-	-	-	-	115.6	-	-	-	-
02-Jun-76	F	-	Calf	0	14.4	94.0	-	-	-	-	-	58.4	-	-	-	-
02-Jun-76	M	-	Calf	0	10.8	91.4	-	-	-	-	-	49.5	-	-	-	-
02-Jun-76	F	Yes	Adult	-	108.9	191.8	-	-	-	-	-	114.3	-	-	-	-
02-Jun-76	F	Yes	Adult	-	-	191.8	-	-	-	-	-	113.0	-	-	-	-
02-Jun-76	F	Yes	Adult	-	-	200.7	-	-	-	-	-	109.2	-	-	-	-
02-Jun-76	F	Yes	Adult	-	-	200.7	-	-	-	-	-	114.3	-	-	-	-
02-Jun-76	F	Yes	Adult	-	-	199.4	-	-	-	-	-	115.6	-	-	-	-
02-Jun-76	F	Yes	Adult	-	-		-	-	-	-	-		-	-	-	-
02-Jun-76	F	No	Adult	-	99.8	168.9	-	-	-	-	-	103.5	-	-	-	-
02-Jun-76	F	Yes	Adult	-	96.2	191.8	-	-	-	-	-	110.5	-	-	-	-
02-Jun-76	F	Yes	Adult	-	103.0	176.5	-	-	-	-	-	109.2	-	-	-	-
06-Jan-79	F	Yes	Adult	9	98.0	185.4	-	-	-	-	-	116.8	-	-	-	-

Table 4C-7 (con'd). Morphology data for captured or deceased caribou from the Grey River herd, 1975 - 1994. Estimated weights are listed in italics. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Calf/ udder present	Cohort	Age	Weight (kg)	Length (cm)						Heart Girth (cm)	Shoulder height (cm)			
						Body	Hind Foot		Tail	Ear	Head					
							a	b					1	2	3	4
06-Jan-79	F	Yes	Adult	12	-	185.4	-	-	-	-	-	116.8	-	-	-	-
06-Jan-79	F	Yes	Adult	9	110.0	160.0	-	-	-	-	-	114.3	-	-	-	-
06-Jan-79	F	Yes	Adult	14	110.0	189.2	-	-	-	-	-	111.8	-	-	-	-
06-Jan-79	F	Yes	Adult	3	*98.0*	189.2	-	-	-	-	-	114.3	-	-	-	-
28-May-79	F	Yes	Adult	12	*135.0*	193.0	-	-	-	-	-	121.9	-	-	-	-
28-May-79	F	Yes	Adult	8	135.0	190.5	-	-	-	-	-	116.8	-	-	-	-
29-May-79	F	Yes	Adult	5	-	165.1	-	-	-	-	-	111.8	-	-	-	-
29-May-79	F	Yes	Adult	6	100.0	180.3	-	-	-	-	-	109.2	-	-	-	-
29-May-79	F	Yes	Adult	2	85.0	190.5	-	-	-	-	-	104.1	-	-	-	-
29-May-79	F	Yes	Adult	3	110.0	182.9	-	-	-	-	-	114.3	-	-	-	-
29-May-79	F	-	Adult	6	105.0	180.3	-	-	-	-	-	121.9	-	-	-	-
29-May-79	F	-	Yearling	1	75.0	167.6	-	-	-	-	-	99.1	-	-	-	-
29-May-79	F	-	Adult	2	105.0	177.8	-	-	-	-	-	110.5	-	-	-	-
29-May-79	F	Yes	Adult	9	110.0	185.4	-	-	-	-	-	114.3	-	-	-	-
29-May-79	F	-	Yearling	1	*50.0*	147.3	-	-	-	-	-	83.8	-	-	-	-
29-May-79	F	Yes	Adult	3	95.0	180.3	-	-	-	-	-	109.2	-	-	-	-
29-May-79	F	-	Adult	2	85.0	170.2	-	-	-	-	-	101.6	-	-	-	-
29-May-79	F	-	Adult	7	95.0	180.3	-	-	-	-	-	109.2	-	-	-	-
30-May-79	F	Yes	Adult	4	100.0	185.4	-	-	-	-	-	119.4	-	-	-	-
30-May-79	F	Yes	Adult	4	105.0	187.9	-	-	-	-	-	111.8	-	-	-	-
30-May-79	F	Yes	Adult	9	103.0	190.5	-	-	-	-	-	116.8	-	-	-	-
30-May-79	F	Yes	Adult	4	*110.0*	190.5	-	-	-	-	-	114.3	-	-	-	-
30-May-79	F	Yes	Adult	2	105.0	187.9	-	-	-	-	-	124.5	-	-	-	-
30-May-79	F	Yes	Adult	6	110.0	190.5	-	-	-	-	-	116.8	-	-	-	-
30-May-79	F	-	Adult	2	-	170.2	-	-	-	-	-	100.3	-	-	-	-
30-May-79	F	Yes	Adult	2	95.0	168.9	-	-	-	-	-	114.3	-	-	-	-
31-May-79	F	Yes	Adult	4	100.0	193.0	-	-	-	-	-	109.2	-	-	-	-
31-May-79	F	Yes	Adult	2	75.0	175.3	-	-	-	-	-	106.7	-	-	-	-
15-Jun-79	F	Yes	Adult	6	*95.0*	185.4	-	-	-	-	-	106.7	-	-	-	-
16-Jun-79	F	-	Adult	3	90.0	181.6	-	-	-	-	-	109.2	-	-	-	-
16-Jun-79	F	Yes	Adult	10	98.0	186.7	-	-	-	-	-	114.3	-	-	-	-
16-Jun-79	F	-	Adult	10	*100.0*	184.2	-	-	-	-	-	116.8	-	-	-	-
16-Jun-79	F	Yes	Adult	8	*110.0*	182.9	-	-	-	-	-	111.8	-	-	-	-
17-Jun-79	F	Yes	Adult	8	*105.0*	185.4	-	-	-	-	-	114.3	-	-	-	-
17-Jun-79	F	Yes	Adult	5	*95.0*	188.0	-	-	-	-	-	106.7	-	-	-	-
18-Jun-79	F	Yes	Adult	9	*110.0*	-	-	-	-	-	-	-	-	-	-	-
18-Jun-79	F	Yes	Adult	7	*90.0*	170.2	-	-	-	-	-	106.7	-	-	-	-
18-Jun-79	F	Yes	Adult	5	*105.0*	-	-	-	-	-	-	-	-	-	-	-
18-Jun-79	F	Yes	Adult	12	102.0	188.0	-	-	-	-	-	114.3	-	-	-	-
18-Jun-79	F	Yes	Adult	3	-	-	-	-	-	-	-	-	-	-	-	-
28-Jun-79	F	Yes	Adult	9	120.0	193.0	-	-	-	-	-	114.3	-	-	-	-
28-Jun-79	F	Yes	Adult	6	110.0	190.5	-	-	-	-	-	109.2	-	-	-	-
28-Jun-79	F	Yes	Adult	3	*100.0*	185.4	-	-	-	-	-	106.7	-	-	-	-
28-Jun-79	F	Yes	Adult	5	*105.0*	186.7	-	-	-	-	-	106.7	-	-	-	-
28-Jun-79	F	Yes	Adult	4	*100.0*	175.3	-	-	-	-	-	106.7	-	-	-	-
28-Jun-79	F	Yes	Adult	2	*95.0*	172.7	-	-	-	-	-	104.1	-	-	-	-

Table 4C-7 (con'd). Morphology data for captured or deceased caribou from the Grey River herd, 1975 - 1994. Estimated weights are listed in italics. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Calf/ udder present	Cohort	Age	Weight (kg)	Length (cm)						Heart Girth (cm)	Shoulder height (cm)			
						Body	Hind Foot		Tail	Ear	Head					
							a	b					1	2	3	4
29-Jun-79	F	Yes	Adult	2	-	-	-	-	-	-	-	-	-	-	-	-
29-Jun-79	F	Yes	Adult	5	*115.0*	190.5	-	-	-	-	-	109.2	-	-	-	-
29-Jun-79	F	Yes	Adult	11	*120.0*	182.9	-	-	-	-	-	119.4	-	-	-	-
29-Jun-79	F	Yes	Adult	4	*95.0*	176.5	-	-	-	-	-	106.7	-	-	-	-
29-Jun-79	F	Yes	Adult	7	*105.0*	185.4	-	-	-	-	-	114.3	-	-	-	-
29-Jun-79	F	Yes	Adult	11	100.0	182.9	-	-	-	-	-	109.2	-	-	-	-
29-Jun-79	F	Yes	Adult	4	100.0	175.3	-	-	-	-	-	106.7	-	-	-	-
29-Jun-79	F	-	Adult	2	-	-	-	-	-	-	-	-	-	-	-	-
29-Jun-79	F	Yes	Adult	6	*100.0*	185.4	-	-	-	-	-	111.8	-	-	-	-
30-Jun-79	F	Yes	Adult	10	*105.0*	185.4	-	-	-	-	-	111.8	-	-	-	-
30-Jun-79	F	Yes	Adult	2	*90.0*	177.8	-	-	-	-	-	101.6	-	-	-	-
30-Jun-79	F	Yes	Adult	2	*95.0*	190.5	-	-	-	-	-	106.7	-	-	-	-
30-Jun-79	F	Yes	Adult	2	85.0	172.7	-	-	-	-	-	101.6	-	-	-	-
07-Jul-79	F	Yes	Adult	9	*105.0*	190.5	-	-	-	-	-	108.0	-	-	-	-
07-Jul-79	F	Yes	Adult	5	90.0	175.3	-	-	-	-	-	106.7	-	-	-	-
07-Jul-79	F	Yes	Adult	3	-	172.7	-	-	-	-	-	104.1	-	-	-	-
07-Jul-79	F	Yes	Adult	7	*95.0*	185.4	-	-	-	-	-	115.6	-	-	-	-
08-Jul-79	F	Yes	Adult	7	110.0	188.0	-	-	-	-	-	111.8	-	-	-	-
08-Jul-79	F	Yes	Adult	10	110.0	190.5	-	-	-	-	-	111.8	-	-	-	-
08-Jul-79	F	Yes	Adult	3	*110.0*	198.1	-	-	-	-	-	114.3	-	-	-	-
1980	F	-	Calf	0	7.2	78.7	-	33.6	-	-	-	-	-	-	-	-
1980	M	-	Calf	0	7.7	77.5	-	35.6	-	-	-	-	-	-	-	-
1980	F	-	Calf	0	5.0	70.4	-	32.4	-	-	-	-	-	-	-	-
1980	M	-	Calf	0	7.2	81.2	-	34.3	-	-	-	-	-	-	-	-
1980	F	-	Calf	0	7.2	80.0	-	33.0	-	-	-	-	-	-	-	-
1980	F	-	Calf	0	7.4	78.1	-	34.3	-	-	-	-	-	-	-	-
1980	M	-	Calf	0	11.2	81.3	-	34.3	-	-	-	-	-	-	-	-
1980	F	-	Calf	0	7.4	78.7	-	31.8	-	-	-	-	-	-	-	-
1980	F	-	Calf	0	7.7	75.4	-	35.6	-	-	-	-	-	-	-	-
1980	M	-	Calf	0	8.1	83.8	-	36.8	-	-	-	-	-	-	-	-
1980	M	-	Calf	0	8.1	78.7	-	34.3	-	-	-	-	-	-	-	-
1980	F	-	Calf	0	6.1	77.5	-	31.7	-	-	-	-	-	-	-	-
1980	F	-	Calf	0	7.2	78.7	-	34.9	-	-	-	-	-	-	-	-
1980	F	-	Calf	0	7.7	76.8	-	34.3	-	-	-	-	-	-	-	-
1980	M	-	Calf	0	10.4	85.0	-	37.5	-	-	-	-	-	-	-	-
1980	M	-	Calf	0	9.0	83.8	-	34.3	-	-	-	-	-	-	-	-
1980	M	-	Calf	0	9.0	-	-	33.0	-	-	-	-	-	-	-	-
1980	M	-	Calf	0	8.1	-	-	31.8	-	-	-	-	-	-	-	-
1980	F	-	Calf	0	6.8	-	-	32.4	-	-	-	-	-	-	-	-
1980	M	-	Calf	0	7.7	-	-	33.0	-	-	-	-	-	-	-	-
1980	F	-	Calf	0	8.1	-	-	31.2	-	-	-	-	-	-	-	-
1980	M	-	Calf	0	9.0	-	-	33.0	-	-	-	-	-	-	-	-
1980	M	-	Calf	0	-	83.8	-	33.0	-	-	-	36.8	-	-	-	-
1980	F	-	Calf	0	-	83.8	-	32.4	-	-	-	36.2	-	-	-	-
1980	M	-	Calf	0	-	81.9	-	34.3	-	-	-	35.6	-	-	-	-
1980	M	-	Calf	0	-	78.7	-	36.1	-	-	-	35.6	-	-	-	-

Table 4C-7 (con'd). Morphology data for captured or deceased caribou from the Grey River herd, 1975 - 1994. Estimated weights are listed in italics. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Calf/ udder present	Cohort	Age	Weight (kg)	Length (cm)						Heart Girth (cm)	Shoulder height (cm)			
						Body	Hind Foot		Tail	Ear	Head					
							a	b					1	2	3	4
1980	M	-	Calf	0	-	81.3	-	34.9	-	-	-	36.2	-	-	-	-
1980	M	-	Calf	0	-	81.3	-	35.6	-	-	-	36.8	-	-	-	-
1980	M	-	Calf	0	-	81.3	-	33.0	-	-	-	37.5	-	-	-	-
1980	F	-	Calf	0	-	76.2	-	32.4	-	-	-	-	-	-	-	-
1981	F	-	Calf	0	5.9	73.7	-	33.0	-	-	-	40.0	-	55.9	-	-
1981	F	-	Calf	0	6.3	77.5	-	35.6	-	-	-	43.2	-	57.2	-	-
1981	F	-	Calf	0	6.3	75.6	-	34.3	-	-	-	40.6	-	55.9	-	-
1981	F	-	Calf	0	6.3	80.0	-	33.0	-	-	-	39.4	-	54.6	-	-
1981	M	-	Calf	0	8.1	82.6	-	36.2	-	-	-	44.5	-	58.4	-	-
1981	M	-	Calf	0	7.7	80.0	-	35.6	-	-	-	48.3	-	58.4	-	-
1981	M	-	Calf	0	7.2	74.9	-	33.0	-	-	-	43.8	-	58.4	-	-
1981	M	-	Calf	0	8.1	81.3	-	33.7	-	-	-	41.9	-	61.0	-	-
1981	M	-	Calf	0	9.0	85.1	-	35.6	-	-	-	45.7	-	55.2	-	-
1981	F	-	Calf	0	5.4	77.5	-	34.3	-	-	-	40.6	-	55.9	-	-
1981	M	-	Calf	0	9.0	88.9	-	38.1	-	-	-	44.5	-	63.5	-	-
1981	M	-	Calf	0	7.2	81.3	-	35.6	-	-	-	39.4	-	58.4	-	-
1981	M	-	Calf	0	7.2	83.8	-	34.9	-	-	-	44.5	-	61.0	-	-
1981	M	-	Calf	0	8.6	88.3	-	34.3	-	-	-	47.0	-	58.4	-	-
1981	M	-	Calf	0	7.7	78.7	-	34.3	-	-	-	43.2	-	61.6	-	-
1981	F	-	Calf	0	8.6	86.4	-	38.1	-	-	-	46.4	-	62.2	-	-
1981	F	-	Calf	0	7.7	81.3	-	35.6	-	-	-	38.7	-	62.2	-	-
1981	M	-	Calf	0	8.6	81.3	-	34.9	-	-	-	43.2	-	59.7	-	-
1981	M	-	Calf	0	8.1	78.7	-	34.3	-	-	-	41.9	-	61.0	-	-
1981	F	-	Calf	0	7.7	68.6	-	34.3	-	-	-	42.5	-	59.7	-	-
04-Mar-82	F	-	Calf	0	25.3	-	-	-	-	-	-	-	-	-	-	-
04-Mar-82	M	-	Calf	0	26.4	-	-	-	-	-	-	-	-	-	-	-
04-Mar-82	F	-	Calf	0	27.5	-	-	-	-	-	-	-	-	-	-	-
04-Mar-82	M	-	Calf	0	26.4	-	-	-	-	-	-	-	-	-	-	-
04-Mar-82	M	-	Calf	0	22.0	-	-	-	-	-	-	-	-	-	-	-
04-Mar-82	F	-	Calf	0	20.9	-	-	-	-	-	-	-	-	-	-	-
04-Mar-82	M	-	Calf	0	23.1	-	-	-	-	-	-	-	-	-	-	-
04-Mar-82	M	-	Calf	0	27.5	-	-	-	-	-	-	-	-	-	-	-
04-Mar-82	F	-	Calf	0	20.9	-	-	-	-	-	-	-	-	-	-	-
04-Mar-82	F	-	Calf	0	17.1	-	-	-	-	-	-	-	-	-	-	-
1982	F	-	Calf	0	7.7	81.3	-	33.0	-	-	-	-	-	59.7	-	-
1982	F	-	Calf	0	8.9	83.1	-	35.6	-	-	-	46.0	-	66.0	-	-
1982	M	-	Calf	0	10.9	82.0	-	35.1	-	-	-	47.0	-	62.5	-	-
1982	M	-	Calf	0	10.4	80.0	-	36.1	-	-	-	48.0	-	63.0	-	-
1982	M	-	Calf	0	7.4	74.2	-	35.1	-	-	-	45.0	-	63.0	-	-
1982	F	-	Calf	0	8.4	77.0	-	35.6	-	-	-	46.0	-	66.0	-	-
1982	F	-	Calf	0	9.4	85.6	-	33.5	-	-	-	48.0	-	65.5	-	-
1982	M	-	Calf	0	12.4	91.2	-	37.1	-	-	-	54.6	-	66.0	-	-
1982	F	-	Calf	0	8.4	89.7	-	34.5	-	-	-	47.0	-	59.9	-	-
1982	M	-	Calf	0	8.4	77.0	-	34.5	-	-	-	41.9	-	63.5	-	-
1982	M	-	Calf	0	5.4	77.5	-	31.8	-	-	-	47.0	-	58.4	-	-
1982	M	-	Calf	0	7.7	86.4	-	34.3	-	-	-	45.7	-	61.0	-	-

Table 4C-7 (con'd). Morphology data for captured or deceased caribou from the Grey River herd, 1975 - 1994. Estimated weights are listed in italics. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Calf/ udder present	Cohort	Age	Weight (kg)	Length (cm)						Heart Girth (cm)	Shoulder height (cm)			
						Body	Hind Foot		Tail	Ear	Head					
							a	b					1	2	3	4
1982	F	-	Calf	0	7.7	92.7	-	35.6	-	-	-	43.2	-	61.0	-	-
1982	F	-	Calf	0	9.5	88.9	-	33.0	-	-	-	49.5	-	63.5	-	-
1982	?	-	Calf	0	12.2	86.4	-	35.6	-	-	-	47.0	-	64.8	-	-
1982	M	-	Calf	0	9.5	88.9	-	35.6	-	-	-	43.2	-	62.2	-	-
1982	M	-	Calf	0	8.9	74.2	-	35.1	-	-	-	44.5	-	67.1	-	-
1982	M	-	Calf	> 3	12.4	75.9	-	35.1	-	-	-	53.1	-	-	-	-
1982	F	-	Calf	0	7.9	74.2	-	33.0	-	-	-	46.0	-	-	-	-
1982	F	-	Calf	0	8.9	73.2	-	36.1	-	-	-	47.0	-	-	-	-
1982	F	-	Calf	0	9.9	82.0	-	37.1	-	-	-	47.0	-	-	-	-
1982	M	-	Calf	0	8.4	73.2	-	33.0	-	-	-	46.0	-	-	-	-
1982	M	-	Calf	0	9.9	74.2	-	35.6	-	-	-	46.0	-	-	-	-
1982	M	-	Calf	0	9.9	74.2	-	35.1	-	-	-	46.0	-	-	-	-
1982	F	-	Calf	0	7.4	70.1	-	35.1	-	-	-	45.0	-	-	-	-
1982	M	-	Calf	0	10.4	72.1	-	36.1	-	-	-	47.0	-	-	-	-
1982	M	-	Calf	0	11.9	83.1	-	36.1	-	-	-	48.0	-	-	-	-
1982	M	-	Calf	0	12.4	80.0	-	37.1	-	-	-	49.5	-	-	-	-
1982	F	-	Calf	0	6.9	76.7	-	34.0	-	-	-	42.9	-	-	-	-
1982	F	-	Calf	0	11.4	83.1	-	39.5	-	-	-	-	-	56.1	-	-
1982	F	-	Calf	0	9.9	85.1	-	35.1	-	-	-	48.5	-	62.5	-	-
1982	F	-	Calf	0	10.4	83.1	-	34.5	-	-	-	53.6	-	-	-	-
1982	M	-	Calf	0	10.9	73.2	-	38.1	-	-	-	48.0	-	70.1	-	-
1982	F	-	Calf	0	9.4	84.1	-	36.1	-	-	-	45.0	-	61.0	-	-
1982	M	-	Calf	0	7.9	79.0	-	36.1	-	-	-	42.4	-	65.0	-	-
1982	M	-	Calf	0	7.4	73.2	-	45.5	-	-	-	43.9	-	59.9	-	-
1982	F	-	Calf	0	9.9	72.1	-	35.1	-	-	-	47.0	-	65.0	-	-
1982	F	-	Calf	0	8.4	73.4	-	36.6	-	-	-	47.0	-	61.0	-	-
1982	M	-	Calf	0	8.1	88.9	-	35.6	-	-	-	43.2	-	58.4	-	-
1982	M	-	Calf	0	6.9	73.2	-	34.0	-	-	-	41.9	-	58.9	-	-
1982	F	-	Calf	0	7.9	77.0	-	35.1	-	-	-	43.9	-	65.0	-	-
1982	F	-	Calf	0	7.4	80.0	-	34.5	-	-	-	45.0	-	62.0	-	-
1982	M	-	Calf	0	8.4	70.1	-	35.6	-	-	-	53.1	-	61.0	-	-
1982	M	-	Calf	0	9.4	80.5	-	36.1	-	-	-	48.0	-	66.0	-	-
1982	F	-	Calf	0	9.9	79.5	-	36.1	-	-	-	49.5	-	59.9	-	-
1982	M	-	Calf	0	11.4	79.0	-	38.1	-	-	-	48.5	-	62.0	-	-
1982	F	-	Calf	0	8.4	80.0	-	36.1	-	-	-	49.0	-	60.5	-	-
1982	M	-	Calf	0	8.9	79.5	-	35.6	-	-	-	48.0	-	70.1	-	-
1982	M	-	Calf	0	7.2	78.7	-	31.8	-	-	-	45.7	-	57.2	-	-
1982	F	-	Calf	0	8.4	81.0	-	35.6	-	-	-	46.0	-	66.5	-	-
1982	M	-	Calf	0	8.1	88.9	-	33.0	-	-	-	45.7	-	61.0	-	-
1982	M	-	Calf	0	9.4	85.1	-	36.6	-	-	-	48.0	-	62.0	-	-
1982	M	-	Calf	0	9.5	91.4	-	34.3	-	-	-	45.7	-	61.0	-	-
1982	M	-	Calf	0	7.2	83.8	-	36.8	-	-	-	44.5	-	64.8	-	-
1982	F	-	Calf	0	6.8	81.3	-	34.3	-	-	-	47.0	-	59.7	-	-
1982	M	-	Calf	0	10.4	91.4	-	35.6	-	-	-	47.0	-	62.2	-	-
1982	M	-	Calf	0	7.4	81.3	-	33.0	-	-	-	50.8	-	55.9	-	-
1982	M	-	Calf	0	7.2	78.7	-	35.6	-	-	-	45.7	-	59.7	-	-

Table 4C-7 (con'd). Morphology data for captured or deceased caribou from the Grey River herd, 1975 - 1994. Estimated weights are listed in italics. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Calf/ udder present	Cohort	Age	Weight (kg)	Length (cm)						Heart Girth (cm)	Shoulder height (cm)			
						Body	Hind Foot		Tail	Ear	Head					
							a	b					1	2	3	4
28-May-83	F	-	Adult	-	95.0	166.0	-	53.0	14.0	12.5	-	112.0	-	120.0	-	-
03-Jun-83	M	-	Adult	-	155.0	194.0	-	58.5	15.0	13.5	-	140.0	-	127.0	-	-
03-Jun-83	F	-	Adult	-	85.0	165.5	-	54.0	13.5	12.5	-	110.0	-	108.0	-	-
03-Jun-83	F	-	Adult	-	105.0	175.0	-	55.0	14.5	13.5	-	110.0	-	110.0	-	-
30-Jun-83	M	-	Adult	-	-	181.0	-	58.0	14.5	13.0	-	130.0	-	118.0	-	-
01-Jul-83	M	-	Adult	-	-	198.0	-	58.0	13.0	13.5	-	144.0	-	125.0	-	-
04-Jun-84	M	-	Adult	-	170.0	204.0	-	55.0	14.0	14.5	-	138.0	-	125.0	-	-
04-Jun-84	M	-	Adult	-	-	177.0	-	56.5	15.0	-	-	124.0	-	120.0	-	-
04-Jun-84	F	-	Adult	-	80.0	159.0	-	52.0	14.0	13.0	-	106.0	-	112.0	-	-
04-Jun-84	F	-	Adult	-	90.0	171.0	-	54.5	12.5	12.5	-	110.0	-	110.0	-	-
04-Jun-84	F	-	Adult	-	-	179.0	-	58.5	12.0	12.0	-	112.0	-	117.0	-	-
04-Jun-84	M	-	Adult	-	165.0	194.0	-	57.5	13.0	13.0	-	130.0	-	106.0	-	-
07-Jun-84	F	-	Adult	-	110.0	186.0	-	55.0	15.0	12.0	-	112.0	-	104.0	-	-
07-Jun-84	F	-	Adult	-	100.0	170.0	-	56.0	14.0	12.5	-	116.0	-	110.0	-	-
07-Jun-84	F	-	Adult	-	105.0	181.0	-	52.0	15.5	13.0	-	110.5	-	111.0	-	-
07-Jun-84	F	-	Adult	-	125.0	172.5	-	51.0	15.0	12.0	-	110.0	-	112.0	-	-
07-Jun-84	F	-	Adult	-	105.0	178.5	-	54.0	15.0	13.0	-	120.0	-	100.0	-	-
07-Jun-84	F	-	Adult	-	105.0	172.5	-	54.5	13.0	11.5	-	107.0	-	103.0	-	-
07-Jun-84	F	-	Adult	-	110.0	175.0	-	54.0	16.0	12.5	-	112.0	-	112.0	-	-
03-Aug-84	M	-	Adult	-	165.0	196.0	-	59.0	13.5	13.5	-	136.0	-	125.0	-	-
03-Aug-84	M	-	Adult	-	-	192.0	-	56.0	14.0	14.0	-	108.0	-	117.0	-	-
03-Aug-84	M	-	Adult	-	170.0	209.0	-	60.0	15.0	15.0	-	124.0	-	123.0	-	-
03-Aug-84	F	-	Adult	-	80.0	160.0	-	51.0	14.5	13.0	-	98.0	-	110.0	-	-
03-Aug-84	F	-	Adult	-	-	187.0	-	54.0	15.0	14.0	-	104.0	-	117.0	-	-
03-Aug-84	M	-	Adult	-	-	192.0	-	56.0	14.0	14.0	-	108.0	-	117.0	-	-
03-Aug-84	M	-	Adult	-	165.0	196.0	-	59.0	13.5	13.5	-	136.0	-	125.0	-	-
03-Aug-84	M	-	Adult	-	170.0	209.0	-	60.0	15.0	15.0	-	124.0	-	123.0	-	-
03-Aug-84	F	-	Adult	-	-	187.0	-	54.0	15.0	14.0	-	104.0	-	117.0	-	-
03-Aug-84	F	-	Adult	-	80.0	160.0	-	51.0	14.5	13.0	-	98.0	-	110.0	-	-
02-Oct-84	M	-	Adult	-	-	205.0	-	55.0	12.0	14.2	-	138.0	-	117.0	-	-
02-Oct-84	M	-	Adult	-	-	205.0	-	55.0	12.0	14.2	-	138.0	-	117.0	-	-
1984	M	-	Calf	0	7.7	76.0	-	34.0	-	-	-	42.0	-	63.0	-	-
1984	M	-	Calf	0	8.2	83.8	-	36.5	-	-	-	42.0	-	66.0	-	-
1984	M	-	Calf	0	10.0	87.0	-	36.0	-	-	-	46.0	-	65.0	-	-
1984	M	-	Calf	0	10.5	89.0	-	35.5	-	-	-	47.0	-	69.0	-	-
1984	M	-	Calf	0	10.2	87.0	-	37.0	-	-	-	44.0	-	70.0	-	-
1984	F	-	Calf	0	9.3	86.0	-	36.5	-	-	-	45.0	-	67.0	-	-
1984	M	-	Calf	0	8.6	79.0	-	36.0	-	-	-	44.0	-	65.0	-	-
1984	M	-	Calf	0	8.4	78.0	-	35.0	-	-	-	42.0	-	64.0	-	-
1984	M	-	Calf	0	8.4	80.0	-	35.5	-	-	-	43.0	-	67.0	-	-
1984	M	-	Calf	0	8.9	83.0	-	36.0	-	-	-	42.0	-	64.0	-	-
1984	F	-	Calf	0	8.0	83.0	-	34.0	-	-	-	43.0	-	63.0	-	-
1984	M	-	Calf	0	8.0	79.0	-	36.0	-	-	-	42.0	-	64.0	-	-
1984	F	-	Calf	0	9.1	84.0	-	36.0	-	-	-	43.0	-	64.0	-	-
1984	M	-	Calf	0	6.8	79.0	-	34.0	-	-	-	39.0	-	56.0	-	-
1984	M	-	Calf	0	8.9	82.0	-	36.0	-	-	-	44.0	-	64.0	-	-

Table 4C-7 (con'd). Morphology data for captured or deceased caribou from the Grey River herd, 1975 - 1994. Estimated weights are listed in italics. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Calf/ udder present	Cohort	Age	Weight (kg)	Length (cm)						Heart Girth (cm)	Shoulder height (cm)			
						Body	Hind Foot		Tail	Ear	Head					
							a	b					1	2	3	4
1984	F	-	Calf	0	12.3	88.0	-	37.0	-	-	-	49.0	-	70.0	-	-
1984	F	-	Calf	0	7.3	78.0	-	34.0	-	-	-	43.0	-	64.0	-	-
1984	M	-	Calf	0	8.0	72.0	-	34.5	-	-	-	42.0	-	63.0	-	-
1984	F	-	Calf	0	8.2	76.0	-	36.0	-	-	-	43.0	-	63.0	-	-
1984	F	-	Calf	0	8.6	81.0	-	36.0	-	-	-	44.0	-	66.0	-	-
1984	F	-	Calf	0	8.4	80.0	-	36.0	-	-	-	42.0	-	64.0	-	-
1984	F	-	Calf	0	9.1	86.0	-	37.0	-	-	-	44.0	-	64.0	-	-
1984	M	-	Calf	0	9.8	85.0	-	37.0	-	-	-	44.0	-	66.0	-	-
1984	F	-	Calf	0	8.0	77.0	-	34.5	-	-	-	42.0	-	64.0	-	-
1984	M	-	Calf	0	9.1	86.0	-	35.5	-	-	-	48.0	-	63.5	-	-
1984	M	-	Calf	0	9.1	79.0	-	34.0	-	-	-	44.0	-	62.0	-	-
1984	F	-	Calf	0	8.6	82.0	-	34.5	-	-	-	44.0	-	66.0	-	-
1984	M	-	Calf	0	9.1	79.0	-	36.0	-	-	-	44.0	-	67.0	-	-
1984	F	-	Calf	0	9.3	75.0	-	35.5	-	-	-	44.0	-	67.0	-	-
1984	F	-	Calf	0	9.5	77.0	-	34.0	-	-	-	36.0	-	63.0	-	-
1984	M	-	Calf	0	10.5	82.0	-	35.5	-	-	-	46.0	-	66.0	-	-
1984	M	-	Calf	0	9.5	82.0	-	36.0	-	-	-	42.0	-	63.0	-	-
1984	M	-	Calf	0	9.5	79.0	-	36.0	-	-	-	46.0	-	67.0	-	-
1984	F	-	Calf	0	7.5	77.0	-	34.0	-	-	-	41.0	-	63.0	-	-
1984	F	-	Calf	0	9.1	86.0	-	36.5	-	-	-	44.0	-	64.0	-	-
1984	M	-	Calf	0	7.7	77.0	-	35.0	-	-	-	40.0	-	64.0	-	-
1984	F	-	Calf	0	7.3	74.0	-	34.5	-	-	-	40.0	-	66.0	-	-
1984	M	-	Calf	0	8.9	84.0	-	36.0	-	-	-	43.0	-	66.0	-	-
1984	F	-	Calf	0	8.2	79.0	-	35.0	-	-	-	43.0	-	64.0	-	-
1992	F	-	Calf	-	5.9	76.2	-	-	-	-	-	39.4	-	58.4	-	-
1992	F	-	Calf	-	7.3	81.3	-	-	-	-	-	43.2	-	58.4	-	-
12-Dec-94	F	-	Adult	12	100.0	170.0	44.0	56.0	-	-	37.0	116.0	110.5	120.0	103.0	112.0
12-Dec-94	M	-	Adult	3	116.0	200.0	44.0	58.0	-	-	39.0	119.0	117.0	126.0	106.0	118.0
12-Dec-94	M	-	Adult	7	112.0	186.0	45.0	59.5	-	-	42.0	117.0	114.5	124.0	106.5	115.5
12-Dec-94	F	-	Adult	8	105.0	180.0	42.5	57.0	-	-	39.0	113.0	115.0	122.0	106.0	115.5
13-Dec-94	F	-	Adult	6	124.0	191.0	44.0	55.0	-	-	44.0	126.0	120.0	127.0	114.0	122.0
13-Dec-94	F	-	Adult	10	90.0	172.5	44.0	56.0	-	-	39.0	112.0	110.0	119.0	108.0	117.0
13-Dec-94	F	-	Adult	2	82.0	164.5	41.0	54.5	-	-	38.0	109.0	100.0	110.0	90.0	100.0
13-Dec-94	M	-	Adult	10	145.0	201.0	48.0	61.0	-	-	44.0	134.0	123.0	139.0	117.0	128.0
13-Dec-94	F	-	Adult	6	91.0	167.0	40.5	55.0	-	-	37.0	110.0	99.0	109.0	87.0	96.5
13-Dec-94	F	-	Adult	6	94.0	167.0	41.0	55.0	-	-	38.0	122.0	112.0	122.0	107.0	115.0
13-Dec-94	F	-	Adult	10	104.0	177.0	43.0	55.5	-	-	39.0	113.0	112.0	121.0	107.0	115.0
14-Dec-94	F	-	Adult	7	111.0	179.0	41.0	55.0	-	-	41.0	127.0	107.0	117.0	92.0	103.0
14-Dec-94	F	-	Adult	9	98.0	165.5	43.0	54.0	-	-	38.0	119.0	107.0	116.0	95.0	106.0
14-Dec-94	F	-	Adult	10	105.0	174.0	41.5	55.0	-	-	40.0	111.0	109.0	117.5	91.0	100.5
14-Dec-94	F	-	Adult	10	89.0	194.0	41.0	53.0	-	-	40.0	109.0	106.0	116.0	100.0	109.0
14-Dec-94	M	-	Adult	2	94.0	173.0	43.0	57.0	-	-	40.0	122.0	109.0	120.0	103.0	115.0
15-Dec-94	F	-	Adult	8	108.0	191.0	42.0	56.0	-	-	41.0	115.0	111.0	121.0	98.0	106.0
15-Dec-94	F	-	Adult	3	98.0	181.0	42.0	55.0	-	-	39.0	114.0	109.0	120.0	105.0	115.0
25-Dec-94	F	-	Adult	8	107.0	176.0	41.0	53.0	-	-	41.0	116.0	110.0	120.0	102.0	111.0
25-Dec-94	F	-	Adult	2	84.0	166.0	40.0	53.0	-	-	38.0	107.0	98.5	108.0	90.0	99.5

Table 4C-8. Morphology data for captured or deceased caribou from the Gros Morne herd, 1992 - 1997. Estimated weights are listed in italics. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Calf/ udder present	Cohort	Weight (kg)	Length (cm)					Heart Girth (cm)	Shoulder height (cm)				Neck Circ. (cm)
					Body	Hind Foot		Tail	Head						
						a	b				1	2	3	4	
06-Mar-92	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21-Jan-93	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05-Jun-93	M	-	Calf	8.5	79.0	-	-	-	-	47.5	-	55.0	-	49.5	-
06-Jun-93	M	-	-	7.5	74.0	-	-	-	-	46.0	-	52.0	-	56.0	-
07-Jun-93	F	-	Calf	7.0	79.0	-	-	-	-	46.5	-	57.0	-	51.0	-
07-Jun-93	M	-	Calf	10.7	90.5	-	-	-	-	51.0	-	65.5	-	58.5	-
07-Jun-93	F	-	Calf	5.5	72.0	-	-	-	-	43.0	-	55.5	-	50.0	-
07-Jun-93	M	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
07-Jun-93	M	-	Calf	6.8	75.0	-	-	-	-	45.5	-	56.0	-	50.5	-
07-Jun-93	F	-	Calf	9.0	79.0	-	-	-	-	49.0	-	61.5	-	56.5	-
07-Jun-93	M	-	Calf	6.5	80.0	-	-	-	-	46.0	-	60.0	-	56.0	-
07-Jun-93	M	-	Calf	9.0	78.0	-	-	-	-	50.5	-	64.5	-	59.0	-
07-Jun-93	M	-	Calf	7.5	74.0	-	-	-	-	46.0	-	56.0	-	52.0	-
07-Jun-93	F	-	Calf	8.5	82.0	-	-	-	-	49.5	-	59.0	-	53.5	-
07-Jun-93	M	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
07-Jun-93	F	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
07-Jun-93	M	-	Calf	9.0	90.5	-	-	-	-	50.0	-	65.5	-	59.5	-
09-Jun-93	F	-	Calf	9.9	87.0	-	-	-	-	49.0	-	66.0	-	60.5	-
09-Jun-93	F	-	Calf	6.8	83.0	-	-	-	-	44.5	-	54.0	-	49.0	-
09-Jun-93	M	-	Calf	9.7	82.0	-	-	-	-	53.0	-	65.5	-	59.3	-
09-Jun-93	F	-	Calf	7.0	77.0	-	-	-	-	45.0	-	58.5	-	53.0	-
09-Jun-93	F	-	Calf	8.4	81.0	-	-	-	-	48.0	-	58.0	-	52.5	-
09-Jun-93	F	-	Calf	9.8	88.0	-	-	-	-	49.0	-	62.0	-	65.3	-
10-Jun-93	M	-	Calf	8.3	85.0	-	-	-	-	47.0	-	60.0	-	54.5	-
10-Jun-93	M	-	Calf	7.8	83.0	-	-	-	-	46.0	-	57.5	-	53.0	-
10-Jun-93	F	-	Calf	7.0	71.0	-	-	-	-	44.5	-	59.0	-	53.5	-
10-Jun-93	M	-	Calf	6.5	78.0	-	-	-	-	44.5	-	59.5	-	54.0	-
10-Jun-93	F	-	Calf	5.8	72.5	-	-	-	-	43.0	-	61.0	-	55.5	-
10-Jun-93	F	-	Calf	11.1	84.0	-	-	-	-	51.5	-	62.5	-	57.0	-
10-Jun-93	F	-	Calf	8.0	83.0	-	-	-	-	44.0	-	61.0	-	54.8	-
10-Jun-93	F	-	Calf	7.2	79.0	-	-	-	-	45.0	-	66.0	-	60.0	-
10-Jun-93	F	-	Calf	11.7	89.0	-	-	-	-	54.0	-	59.0	-	62.5	-
11-Jun-93	F	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
16-Jun-93	F	-	Calf	7.5	80.0	-	-	-	-	46.0	-	59.0	-	51.0	-
09-Mar-94	F	-	Adult	*75.9*	190.8	-	-	-	38.2	125.9	-	-	-	-	59.8
29-Mar-94	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31-Mar-94	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12-May-94	M	-	Adult	-	-	-	-	-	-	-	-	-	-	-	-
05-Jun-94	F	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
05-Jun-94	M	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
05-Jun-94	M	-	Calf	9.0	83.5	-	-	-	-	48.0	-	64.0		58.0	-
05-Jun-94	-	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
05-Jun-94	M	-		-	-	-	-	-	-	-	-	-	-	-	-
05-Jun-94	F	-		-	-	-	-	-	-	-	-	-	-	-	-
05-Jun-94	M	-	Calf	9.0	88.0	-	-	-	-	50.0	-	63.0		56.0	-
05-Jun-94	-	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-

Table 4C-8 (con'd). Morphology data for captured or deceased caribou from the Gros Morne herd, 1992 - 1997. Estimated weights are listed in italics. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Calf/ udder present	Cohort	Weight (kg)	Length (cm)					Heart Girth (cm)	Shoulder height (cm)				Neck Circ. (cm)
					Body	Hind Foot		Tail	Head						
						a	b				1	2	3	4	
05-Jun-94	F	-	Calf	-	-	-	-	-	-	-	112.0	-	-	-	-
05-Jun-94	F	-	Calf	-	85.0	-	-	-	-	50.5	-	47.5	-	42.5	-
05-Jun-94	F	-	Calf	8.0	85.0	-	-	-	-	49.5	-	68.0	-	52.5	-
05-Jun-94	M	-	Calf	9.2	82.0	-	-	-	-	48.0	-	62.0	-	55.0	-
05-Jun-94	F	-	Calf	9.3	82.0	-	-	-	-	45.0	-	62.0	-	56.0	-
05-Jun-94	M	-	Calf	6.3	72.0	-	-	-	-	46.0	-	57.0	-	51.0	-
05-Jun-94	F	-	Calf	12.2	99.0	-	-	-	-	58.0	-	65.0	-	58.0	-
05-Jun-94	M	-	Calf	8.5	85.0	-	-	-	-	45.0	-	64.0	-	58.5	-
05-Jun-94	M	-	Calf	-	84.0	-	-	-	-	47.0	-	64.0	-	57.0	-
05-Jun-94	M	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
05-Jun-94	F	-	Calf	8.5	74.0	-	-	-	-	48.0	-	61.0	-	54.0	-
06-Jun-94	F	-	Calf	9.3	80.0	-	-	-	-	48.0	-	65.0	-	49.5	-
06-Jun-94	M	-	Calf	7.8	89.0	-	-	-	-	46.5	-	65.0	-	59.0	-
06-Jun-94	M	-	Calf	11.9	95.0	-	-	-	-	58.0	-	59.5	-	53.5	-
06-Jun-94	M	-	Calf	10.2	90.0	-	-	-	-	50.0	-	57.0	-	50.0	-
06-Jun-94	M	-	-	*45.5*	156.0	39.5	51.0	-	26.5	103.0	99.5	109.0	87.0	96.5	33.5
06-Jun-94	M	-	Calf	10.0	87.0	-	-	-	-	47.0	-	59.0	-	52.5	-
06-Jun-94	-	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
06-Jun-94	M	-	Calf	-	148.0	38.5	49.0	-	32.0	-	74.5	82.0	-	-	31.0
06-Jun-94	F	-	Calf	9.5	81.0	-	-	-	-	48.0	-	68.0	-	59.0	-
06-Jun-94	M	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
06-Jun-94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06-Jun-94	M	-	Calf	8.6	85.5	-	-	-	-	47.0	-	56.5	-	51.5	-
07-Jun-94	M	-	Calf	7.5	79.5	-	-	-	-	47.0	-	60.0	-	54.5	-
08-Jun-94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08-Jun-94	M	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
08-Jun-94	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26-Oct-94	M	-	Adult	*95.0*	189.5	44.0	58.0	-	42.0	137.5	117.5	127.5	99.5	108.5	61.5
28-Nov-94	M	-	Adult	*95.0*	186.0	42.0	55.0	-	39.5	133.5	115.0	123.5	96.0	104.5	61.5
04-Dec-94	M	-	Adult	*115.0*	195.0	43.5	58.0	-	40.0	139.0	119.0	127.0	99.0	108.0	68.0
04-Dec-94	M	-	Yearling	*80.0*	162.0	43.0	56.0	-	37.0	127.0	112.0	121.0	90.5	99.0	54.0
22-Dec-94	F	-	Yearling	*60.0*	157.0	38.5	51.0	-	34.0	107.0	99.0	107.0	81.0	89.0	44.0
-	M	-	Calf	-	134.0	37.0	48.0	-	29.0	102.0	79.5	88.0	72.5	82.0	43.0
-	M	-	Calf	*45.0*	142.0	35.5	47.0	-	35.5	105.0	95.0	104.0	85.5	91.0	46.0
-	M	-	Calf	*55.0*	148.0	39.0	51.0	-	34.0	102.0	96.0	105.0	80.0	89.0	44.0
05-Jan-95	F	-	Adult	-	166.0	45.0	58.0	-	37.0	121.0	104.0	113.5	98.0	107.0	53.0
05-Jan-95	F	-	Adult	*100.0*	132.0	43.5	56.5	-	37.0	129.0	107.0	112.0	89.0	96.0	52.0
09-Jan-95	M	-	Adult	*115.0*	199.0	44.0	57.5	-	36.0	133.0	103.5	113.5	94.0	104.0	62.0
12-Jan-95	F	-	Adult	-	191.0	41.0	55.5	-	40.0	117.0	113.5	123.5	94.0	103.0	50.0
11-May-95	M	-	Adult	*90.0*	182.0	43.5	56.5	16.5	45.8	136.1	117.5	127.0	109.5	118.5	59.4
18-May-95	M	-	Adult	*80.0*	198.0	48.0	61.5	-	46.4	133.0	127.5	134.5	118.5	126.5	72.0
05-Jun-95	F	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
05-Jun-95	M	-	Calf	8.0	78.0	-	-	-	-	46.0	-	61.0	-	53.0	-
05-Jun-95	F	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
05-Jun-95	F	-	Calf	9.2	80.0	-	-	-	-	-	-	63.0	-	58.0	-
05-Jun-95	M	-	Calf	9.5	79.0	-	-	-	-	52.0	-	71.0	-	63.5	-

Table 4C-8 (con'd). Morphology data for captured or deceased caribou from the Gros Morne herd, 1992 - 1997. Estimated weights are listed in italics. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Calf/ udder present	Cohort	Weight (kg)	Length (cm)					Heart Girth (cm)	Shoulder height (cm)				Neck Circ. (cm)
					Body	Hind Foot		Tail	Head						
						a	b				1	2	3	4	
05-Jun-95	F	-	Calf	7.8	67.0	-	-	-	-	43.5	-	54.0	-	49.0	-
05-Jun-95	M	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
05-Jun-95	F	-	Calf	7.2	71.0	-	-	-	-	44.0	-	51.0	-	46.0	-
05-Jun-95	F	-	Calf	-	73.0	-	-	-	-	50.0	-	61.0	-	54.0	-
05-Jun-95	M	-	Calf	7.0	75.0	-	-	-	-	45.0	-	72.0	-	56.5	-
05-Jun-95	M	-	Calf	6.3	72.0	-	-	-	-		-	65.5	-	57.5	-
05-Jun-95	M	-	Calf	7.5	71.0	-	-	-	-	45.0	-	53.0	-	46.0	-
06-Jun-95	M	-	Yearling	-	-	-	-	-	-	-	-	-	-	-	-
06-Jun-95	M	-	Calf	6.7	67.0	-	-	-	-	42.0	-	48.5	-	43.0	-
06-Jun-95	F	-	Calf	7.2	73.0	-	-	-	-	44.0	-	61.0	-	55.0	-
06-Jun-95	F	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
06-Jun-95	-	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
06-Jun-95	F	-	Calf	6.1	75.0	-	-	-	-	48.0	-	60.0	-	54.0	-
06-Jun-95	F	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
06-Jun-95	M	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
06-Jun-95	-	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
06-Jun-95	F	-	Calf	-	80.0	-	-	-	-	46.0	-	60.0	-	54.5	-
06-Jun-95	M	-	Calf	6.8	67.0	-	-	-	-	42.0	-	54.5	-	49.0	-
06-Jun-95	M	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
06-Jun-95	M	-	Calf	7.1	76.0	-	-	-	-	39.0	-	68.0	-	63.0	-
06-Jun-95	F	-	Calf	8.2	80.0	-	-	-	-	47.0	-	55.0	-	50.0	-
06-Jun-95	M	-	Calf	5.9	67.0	-	-	-	-	41.0	-	59.0	-	52.0	-
06-Jun-95	-	-	Calf	6.2	76.5	-	-	-	-	46.0	-	60.5	-	53.0	-
06-Jun-95	F	-	Calf	7.0	70.0	-	-	-	-	45.0	-	60.0	-	54.0	-
06-Jun-95	F	-	Calf	5.7	69.0	-	-	-	-	41.0	-	59.0	-	53.0	-
06-Jun-95	F	-	Calf	6.1	78.0	-	-	-	-	49.0		63.0	-	56.0	-
06-Jun-95	M	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
08-Jun-95	M	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
16-Jun-95	M	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
16-Jun-95	F	-	Calf	7.0	70.0	-	-	-	-	45.0	-	60.0	-	54.0	-
24-Oct-95	M	-	Adult	-	194.0	46.0	59.5	-	48.0	134.0	122.0	133.0	114.0	125.0	84.0
08-Nov-95	F	-	Adult	-	164.0	41.0	55.5	14.0	40.0	124.0	110.0	119.0	-	-	56.0
01-Dec-95	M	-	Adult	-	192.0	44.0	58.0	19.0	44.0	134.0	112.0	121.0	102.0	111.0	88.0
01-Dec-95	M	-	Adult	-	202.0	46.0	61.5	-	49.0	134.0	119.0	130.0	91.0	102.0	81.0
07-Dec-95	F	-	Yearling	*100.0*	-	42.0	56.0	-	-	123.0	111.5	120.0	-	-	52.0
29-Dec-95	M	-	Yearling	-	175.0	46.0	56.0	-	34.0	127.5	120.5	127.5	112.5	119.5	65.5
-	-	-	Calf	*45.0*	-	35.0	45.5	-	-	-	86.0	93.5	-	-	-
-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	F	-	Calf	*50.0*	152.0	37.5	50.0	-	33.0	96.0	86.5	95.0	84.5	93.0	47.0
-	M	-	Calf	*35.0*	157.5	40.0	53.0	-	34.5	101.4	98.5	107.5	81.0	91.0	43.5
-	F	-	Calf	81.8	135.0	46.5	48.5	-	29.0	101.0	86.5	94.0	77.5	85.0	50.0
-	F	-	Calf	*34.0*	158.0	40.0	52.5	-	35.0	107.0	98.5	107.0	89.0	97.5	52.0
07-Jan-96	F	-	Adult	75.0	184.0	102.0	114.0	-	42.0	123.0	108.0	118.0	99.0	109.0	56.0
07-Jan-96	M	-	Yearling	45.0	105.0	85.0	96.0	-	33.0	105.0	84.0	94.0	67.0	77.0	45.0
10-Jan-96	M	-	Yearling	-	157.0	38.5	52.0	-	35.0	103.0	104.0	114.0	91.0	101.0	42.0

Table 4C-8 (con'd). Morphology data for captured or deceased caribou from the Gros Morne herd, 1992 - 1997. Estimated weights are listed in italics. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Calf/ udder present	Cohort	Weight (kg)	Length (cm)					Heart Girth (cm)	Shoulder height (cm)				Neck Circ. (cm)
					Body	Hind Foot		Tail	Head						
						a	b				1	2	3	4	
10-Jan-96	F	-	Yearling	-	148.0	38.0	51.0	-	34.0	104.0	99.5	109.0	95.5	105.0	44.0
07-Feb-96	M	-	Adult	*110.0*	-	-	-	-	-	-	-	-	-	-	-
18-Feb-96	F	-	Adult	*85.0*	142.0	45.0	58.5	-	39.0	131.0	115.0	124.0	107.0	116.0	61.0
18-Apr-96	M	-	Adult	-	-	-	-	-	-	-	-	-	-	-	-
22-Apr-96	F	-	Adult	-	169.0	43.0	58.0	-	38.0	142.0	117.5	126.5	-	-	62.5
06-May-96	M	-	Adult	-	187.0	57.0	61.0	-	44.5	-	-	-	-	-	72.5
27-May-96	M	-	Calf	9.1	-	-	-	-	-	-	-	-	-	-	-
29-May-96	M	-	Calf	7.5	65.0	-	-	-	-	60.0	-	57.5	-	63.5	-
07-Jun-96	M	-	Calf	9.0	74.0	-	-	-	-	47.5	-	61.0	-	65.5	-
07-Jun-96	M	-	Calf	9.8	77.0	-	-	-	-	48.5	-	66.0	-	60.5	-
07-Jun-96	F	-	Calf	8.5	86.0	-	-	-	-	46.0	-	64.0	-	60.5	-
07-Jun-96	M	-	Calf	8.0	71.0	-	-	-	-	55.0	-		-	-	-
07-Jun-96	M	-	Calf	7.5	58.5	-	-	-	-	46.0	-	50.5	-	47.5	-
07-Jun-96	M	-	Calf	8.0	78.0	-	-	-	-	44.0	-	62.5	-	55.5	-
07-Jun-96	F	-	Calf	6.5	-	-	-	-	-	-	-	-	-	-	-
09-Jun-96	M	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
09-Jun-96	F	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
09-Jun-96	M	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
09-Jun-96	M	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
07-Aug-96	M	-	Adult	-	191.0	41.5	51.5	-	43.0	-	-	-	-	-	-
11-Aug-96	F	-	Adult	-	-	-	-	-	-	-	-	-	-	-	-
09-Nov-96	F	-	Yearling	-	157.5	43.4	56.2	-	40.7	137.5	115.8	120.6	97.5	105.0	56.5
11-Nov-96	M	-	Adult	-	-	-	-	-	-	-	-	-	-	-	-
11-Nov-96	M	-	Adult	-	161.0	46.0	58.5	-	39.0	141.0	123.0	132.5	-	-	69.5
11-Nov-96	F	-	Adult	77.3	157.5	39.5	51.5	-	35.0	118.5	99.5	108.0	92.0	100.5	56.5
20-Nov-96	F	-	Adult	-	175.0	43.0	57.0	-	39.0	132.5	116.0	125.5	102.0	111.0	55.0
16-Dec-96	M	-	Adult	-	-	-	-	-	-	-	-	-	-	-	-
23-Dec-96	F	-	Adult	-	162.0	40.4	54.5	-	43.0	135.0	108.4	118.3	96.0	107.0	52.0
-	F	-	Calf	38.6	140.0	37.5	50.0	-	33.0	66.0	101.0	108.0	94.5	103.0	40.0
-	M	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
-	M	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
-	F	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
-	M	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
-	F	-	Calf	*55.0*	127.0	36.0	48.0	-	31.0	92.0	90.0	97.5	84.0	91.5	40.0
-	-	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
-	M	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	Calf	*30.0*	133.0	37.0	49.5	-	32.0	89.0	84.0	92.5	74.0	82.5	40.0
-	M	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
08-Jan-97	F	Yes	Adult	-	182.0	42.0	54.5	-	43.0	143.0	119.0	128.5	95.5	105.0	60.0
19-Feb-97	M	-	-	-	195.5	43.0	57.0	-	50.5	126.5	115.5	125.5	105.0	114.0	57.0
19-Mar-97	-	-	Yearling	-	-	-	-	-	-	-	-	-	-	-	-
27-Mar-97	M	-	Yearling	-	-	-	-	-	-	-	-	-	-	-	-
29-Mar-97	M	-	Yearling	-	-	39.0	53.0	-	30.0	-	-	-	-	-	-
28-Apr-97	M	-	Yearling	-	-	-	-	-	-	-	-	-	-	-	-

Table 4C-8 (con'd). Morphology data for captured or deceased caribou from the Gros Morne herd, 1992 - 1997. Estimated weights are listed in italics. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Calf/ udder present	Cohort	Weight (kg)	Length (cm)					Heart Girth (cm)	Shoulder height (cm)				Neck Circ. (cm)
					Body	Hind Foot		Tail	Head						
						a	b				1	2	3	4	
30-Apr-97	M	-	Adult	-	199.0	44.0	60.0	-	49.0	-	122.0	132.0	-	-	-
04-Jun-97	M	-	Yearling	-	154.0	42.0	55.0	-	36.0	114.5	107.0	116.0	104.0	113.0	43.3
05-Jun-97	F	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-
06-Sep-97	-	-	Adult	-	-	-	-	-	-	-	-	-	-	-	-
-	M	-	Calf	-	135.0	-	-	-	34.0	92.0	92.0	102.0	87.5	96.0	43.5
-	M	-	Adult	-	181.5	47.0	59.5	-	34.0	148.0	114.0	122.0	106.5	114.5	58.5

Table 4C-9. Morphology data for captured or deceased caribou from the La Poile herd, 1973 - 1990. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Cohort	Age	Weight (kg)	Length (cm)					Heart Girth (cm)	Shoulder height (cm)				Neck Circ. (cm)
					Body	Hind Foot		Tail	Ear		1	2	3	4	
						a	b								
12-May-73	F	Fetus	-	5.0	-	24.0	30.0	-	-	-	-	-	-	-	-
12-May-73	M	Yearling	-	40.5	139.7	-	50.0	14.0	12.5	-	-	106.7	-	-	-
12-May-73	F	Adult	7-9	90.9	-	43.0	56.5	12.0	13.0	114.0	-	125.0	-	-	44.0
12-May-73	M	Adult	6-7	113.6	180.3	46.0	59.0	15.0	14.0	132.0	-	-	-	-	-
14-May-73	M	Yearling	-	-	132.0	37.0	48.0	11.0	11.0	88.0	-	99.0	-	-	-
07-May-74	F	Adult	-	112.7	182.9	-	53.3	14.0	-	109.2	-	-	-	-	-
07-May-74	F	Adult	-	103.6	160.0	-	48.3	12.7	-	109.2	-	-	-	-	-
07-May-74	F	Adult	-	103.6	163.8	-	48.3	12.7	-	116.8	-	-	-	-	-
08-May-74	F	Adult	-	-	176.5	-	52.1	12.7	-	-	-	-	-	-	-
09-May-74	F	Adult	-	111.6	170.2	-	58.4	12.7	-	116.8	-	-	-	-	-
09-May-74	F	Adult	-	-	-	-	57.8	-	-	108.0	-	-	-	-	-
09-May-74	F	Adult	-	120.6	172.7	-	58.4	11.4	-	119.4	-	-	-	-	-
10-May-74	M	Adult	-	-	188.0	-	59.7	11.4	-	119.4	-	-	-	-	-
10-May-74	F	Adult	-	82.3	175.3	-	52.1	10.2	-	-	-	-	-	-	-
10-May-74	F	Adult	-	111.6	172.7	-	54.6	12.7	-	119.4	-	-	-	-	-
10-May-74	M	Adult	-	116.1	162.6	-	53.3	8.9	-	125.7	-	-	-	-	-
10-May-74	F	Adult	-	107.1	172.7	-	53.3	11.4	-	116.8	-	-	-	-	-
10-May-74	M	Adult	-	-	200.6	-	59.7	15.2	-	120.7	-	-	-	-	-
15-May-74	M	Adult	-	-	188.0	-	57.2	11.4	-	119.4	-	-	-	-	-
15-May-74	F	Adult	-	-	170.2	-	57.2	11.4	-	119.4	-	-	-	-	-
17-May-74	M	Adult	-	-	195.6	-	55.9	14.0	-	128.3	-	-	-	-	-
18-May-74	M	Adult	-	-	190.5	-	53.3	12.7	-	129.5	-	-	-	-	-
20-May-74	M	Adult	-	-	193.0	-	58.4	12.7	-	121.9	-	-	-	-	-
08-Jun-85	F	Adult	-	-	185.4	-	55.9	-	-	116.8	-	116.8	-	-	-
09-Jun-85	F	Adult	-	-	175.3	-	48.3	-	-	106.7	-	106.7	-	-	-
09-Jun-85	F	Adult	-	100.0	195.6	-	58.4	-	-	106.7	-	119.3	-	-	-
09-Jun-85	F	Adult	-	90.0	185.4	-	53.3	-	-	121.9	-	121.9	-	-	-
09-Jun-85	F	Adult	-	75.0	175.3	-	53.3	-	-	109.2	-	109.2	-	-	-
09-Jun-85	F	Adult	-	105.0	198.1	-	53.3	-	-	111.8	-	114.3	-	-	-
09-Jun-85	F	Adult	-	110.0	180.3	-	55.9	-	-	106.7	-	114.3	-	-	-
09-Jun-85	F	Adult	-	-	190.5	-	53.3	-	-	106.7	-	114.3	-	-	-
12-Jun-85	F	Adult	-	-	182.9	-	55.9	-	-	106.7	-	101.6	-	-	-
12-Jun-85	F	Adult	-	-	178.0	-	55.9	-	-	111.8	-	109.2	-	-	-
12-Jun-85	F	Adult	-	-	175.3	-	50.8	-	-	101.6	-	99.1	-	-	-
12-Jun-85	F	Adult	-	-	177.8	-	53.3	-	-	111.8	-	111.8	-	-	-
12-Jun-85	F	Adult	-	110.0	198.1	-	55.9	-	-	109.2	-	114.3	-	-	-
13-Jun-85	F	Adult	-	-	185.4	-	50.8	-	-	109.2	-	109.2	-	-	-
13-Jun-85	F	Adult	-	105.0	185.4	-	50.8	-	-	109.2	-	114.3	-	-	-
13-Jun-85	F	Adult	-	85.0	175.3	-	50.8	-	-	104.1	-	116.8	-	-	-
13-Jun-85	F	Adult	-	100.0	185.4	-	50.8	-	-	119.4	-	121.9	-	-	-
15-Jun-85	F	Adult	-	-	177.8	-	53.3	-	-	106.7	-	114.3	-	-	-
15-Jun-85	F	Adult	-	-	190.5	-	55.9	-	-	109.2	-	111.8	-	-	-
15-Jun-85	F	Adult	-	80.0	185.4	-	53.3	-	-	109.2	-	111.8	-	-	-
15-Jun-85	F	Adult	-	120.0	185.4	-	55.9	-	-	116.8	-	111.8	-	-	-
16-Jun-85	F	Adult	-	-	188.0	-	53.3	-	-	106.7	-	109.2	-	-	-
16-Jun-85	F	Adult	-	85.0	177.8	-	55.9	-	-	109.2	-	116.8	-	-	-

Table 4C-9 (con'd). Morphology data for captured or deceased caribou from the La Poile herd, 1973 - 1990. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Cohort	Age	Weight (kg)	Length (cm)				Heart Girth (cm)	Shoulder height (cm)				Neck Circ. (cm)
					Body	Hind Foot		Tail	Ear						
						a	b				1	2	3	4	
16-Jun-85	F	Adult	-	100.0	190.5	-	55.9	-	-	111.8	-	121.9	-	-	-
16-Jun-85	F	Adult	-	105.0	180.3	-	55.9	-	-	116.8	-	121.9	-	-	-
11-Jun-86	F	Adult	-	-	190.5	-	55.9	-	-	111.8	-	109.2	-	-	-
11-Jun-86	F	Adult	-	-	182.9	-	58.4	-	-	109.2	-	111.8	-	-	-
11-Jun-86	F	Adult	-	-	167.6	-	53.3	-	-	104.1	-	109.2	-	-	-
11-Jun-86	F	Adult	-	-	185.4	-	55.9	-	-	114.3	-	104.1	-	-	-
12-Jun-86	F	Adult	-	-	175.3	-	53.3	-	-	104.1	-	101.6	-	-	-
12-Jun-86	F	Adult	-	-	172.7	-	53.3	-	-	104.1	-	104.1	-	-	-
12-Jun-86	F	Adult	-	-	167.6	-	55.9	-	-	104.1	-	106.7	-	-	-
12-Jun-86	F	Adult	-	-	190.5	-	55.9	-	-	109.2	-	101.6	-	-	-
12-Jun-86	F	Adult	-	-	175.3	-	55.9	-	-	106.7	-	109.2	-	-	-
06-Nov-86	M	Adult	-	124.0	210.8	-	58.4	-	-	121.9	-	121.9	-	-	-
06-Nov-86	M	Adult	-	-	203.2	-	61.0	-	-	127.0	-	129.5	-	-	-
06-Nov-86	M	Adult	-	118.0	210.8	-	58.4	-	-	137.2	-	124.5	-	-	-
07-Nov-86	M	Adult	-	133.0	208.3	-	58.4	-	-	129.5	-	127.0	-	-	-
07-Nov-86	M	Adult	-	127.0	200.7	-	58.4	-	-	129.5	-	127.0	-	-	-
07-Nov-86	M	Adult	-	122.0	210.8	-	58.4	-	-	127.0	-	127.0	-	-	-
26-May-87	F	Calf	0	8.6	86.5	27.5	-	-	-	49.0	57.0	-	-	-	-
26-May-87	F	Calf	0	7.3	76.0	28.5	-	-	-	45.0	53.0	-	-	-	-
26-May-87	M	Calf	0	9.5	82.0	29.0	-	-	-	49.0	56.0	-	-	-	-
26-May-87	M	Calf	0	8.1	81.0	29.5	-	-	-	47.0	52.0	-	-	-	-
26-May-87	F	Calf	0	8.2	85.0	27.5	-	-	-	48.0	54.0	-	-	-	-
26-May-87	F	Calf	0	6.8	78.0	27.5	-	-	-	43.0	51.0	-	-	-	-
27-May-87	M	Calf	0	7.3	69.0	25.5	-	-	-	44.0	53.0	-	-	-	-
27-May-87	M	Calf	0	8.6	80.0	29.0	-	-	-	48.0	62.0	-	-	-	-
27-May-87	F	Calf	0	6.4	79.5	24.0	-	-	-	43.0	41.0	-	-	-	-
27-May-87	M	Calf	0	7.7	60.0	27.0	-	-	-	44.0	45.0	-	-	-	-
27-May-87	M	Calf	0	5.5	89.0	26.0	-	-	-	49.0	53.0	-	-	-	-
27-May-87	F	Calf	0	8.2	75.0	29.0	-	-	-	48.0	51.0	-	-	-	-
27-May-87	F	Calf	0	8.6	84.0	28.0	-	-	-	49.0	49.0	-	-	-	-
27-May-87	F	Calf	0	7.7	86.0	26.5	-	-	-	44.0	53.0	-	-	-	-
27-May-87	F	Calf	0	6.8	79.0	25.0	-	-	-	43.0	49.0	-	-	-	-
27-May-87	F	Calf	0	7.7	72.0	28.0	-	-	-	47.0	57.0	-	-	-	-
27-May-87	F	Calf	0	8.6	86.0	28.0	-	-	-	48.0	47.0	-	-	-	-
27-May-87	F	Calf	0	6.8	71.0	25.5	-	-	-	45.0	54.0	-	-	-	-
27-May-87	F	Calf	0	6.8	76.0	29.0	-	-	-	44.0	53.0	-	-	-	-
27-May-87	F	Calf	0	6.4	69.0	26.0	-	-	-	49.0	51.0	-	-	-	-
27-May-87	M	Calf	0	7.3	78.0	-	-	-	-	45.0	49.0	-	-	-	-
28-May-87	F	Calf	0	6.8	70.0	28.0	-	-	-	42.0	51.0	-	-	-	-
28-May-87	F	Calf	0	8.2	76.0	28.0	-	-	-	-	47.0	-	-	-	-
28-May-87	F	Calf	0	7.3	68.0	28.0	-	-	-	45.0	41.0	-	-	-	-
28-May-87	F	Calf	0	9.5	78.0	30.0	-	-	-	49.0	54.0	-	-	-	-
28-May-87	F	Calf	0	7.7	79.0	25.0	-	-	-	45.5	46.0	-	-	-	-
28-May-87	M	Calf	0	8.1	74.0	28.0	-	-	-	48.5	51.0	-	-	-	-
28-May-87	M	Calf	0	7.7	77.0	27.0	-	-	-	44.5	56.0	-	-	-	-
28-May-87	M	Calf	0	6.4	77.0	28.0	-	-	-	44.0	52.0	-	-	-	-

Table 4C-9 (con'd). Morphology data for captured or deceased caribou from the La Poile herd, 1973 - 1990. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Cohort	Age	Weight (kg)	Length (cm)					Heart Girth (cm)	Shoulder height (cm)				Neck Circ. (cm)
					Body	Hind Foot		Tail	Ear						
						a	b				1	2	3	4	
28-May-87	M	Calf	0	8.6	73.0	27.0	-	-	-	48.0	55.0	-	-	-	-
28-May-87	M	Calf	0	7.7	74.0	29.0	-	-	-	47.0	52.0	-	-	-	-
28-May-87	M	Calf	0	8.2	71.0	29.0	-	-	-	45.0	51.0	-	-	-	-
29-May-87	F	Calf	0	8.6	-	27.0	-	-	-	-	55.0	-	-	-	-
29-May-87	M	Calf	0	8.1	78.0	21.0	-	-	-	45.0	51.0	-	-	-	-
29-May-87	F	Calf	0	7.7	-	28.0	-	-	-	-	54.0	-	-	-	-
29-May-87	F	Calf	0	6.8	76.0	27.0	-	-	-	45.0	50.0	-	-	-	-
29-May-87	F	Calf	0	6.8	75.0	28.0	-	-	-	44.0	54.0	-	-	-	-
29-May-87	M	Calf	0	7.7	76.0	28.0	-	-	-	46.0	53.0	-	-	-	-
29-May-87	F	Calf	0	7.3	76.0	28.0	-	-	-	46.0	52.0	-	-	-	-
29-May-87	M	Calf	0	8.6	79.0	29.0	-	-	-	47.0	55.0	-	-	-	-
29-May-87	M	Calf	0	6.4	73.0	28.0	-	-	-	42.0	51.0	-	-	-	-
29-May-87	M	Calf	0	7.3	-	27.0	-	-	-	-	51.0	-	-	-	-
29-May-87	M	Calf	0	8.6	79.0	28.0	-	-	-	49.0	59.0	-	-	-	-
29-May-87	M	Calf	0	8.9	83.0	25.0	-	-	-	-	55.0	-	-	-	-
29-May-87	M	Calf	0	8.6	-	28.0	-	-	-	-	55.0	-	-	-	-
29-May-87	F	Calf	0	7.7	76.0	28.0	-	-	-	46.0	58.0	-	-	-	-
29-May-87	M	Calf	0	7.7	-	27.0	-	-	-	-	54.0	-	-	-	-
29-May-87	M	Calf	0	6.8	78.0	28.0	-	-	-	45.0	56.0	-	-	-	-
29-May-87	M	Calf	0	8.2	-	28.0	-	-	-	-	54.0	-	-	-	-
02-Jun-87	F	Adult	-	65.0	170.0	40.5	-	-	-	107.0	111.0	-	-	-	-
04-Jun-87	F	Adult	-	80.0	173.0	41.0	-	-	-	108.0	108.0	-	-	-	-
04-Jun-87	F	Adult	-	90.0	183.0	42.0	-	-	-	110.0	-	114.0	-	-	-
05-Jun-87	F	Adult	-	-	168.0	42.0	-	-	-	105.0	103.0	-	-	-	-
05-Jun-87	F	Adult	-	75.0	168.0	41.0	-	-	-	108.0	108.0	-	-	-	-
05-Jun-87	F	Adult	-	75.0	188.0	41.0	-	-	-	107.0	106.0	-	-	-	-
05-Jun-87	F	Adult	-	77.0	168.0	42.0	-	-	-	107.0	109.0	-	-	-	-
06-Jun-87	F	Adult	-	80.0	-	-	-	-	-	-	-	-	-	-	-
06-Jun-87	F	Adult	-	77.0	169.0	41.0	-	-	-	108.0	111.0	-	-	-	-
06-Jun-87	F	Adult	-	75.0	166.0	41.0	-	-	-	104.0	105.0	-	-	-	-
14-Jun-87	F	Adult	-	84.0	172.0	40.5	-	-	-	107.0	103.0	113.0	-	-	-
14-Jun-87	F	Adult	-	94.0	185.0	43.0	-	-	-	112.0	107.0	116.0	-	-	-
14-Jun-87	F	Adult	-	82.0	171.0	42.0	-	-	-	107.0	100.0	108.0	-	-	-
15-Jun-87	M	Yearling	1	72.4	-	-	-	-	-	-	-	-	-	-	-
15-Jun-87	M	Yearling	1	56.8	-	-	-	-	-	-	-	-	-	-	-
15-Jun-87	F	Adult	-	84.0	173.0	39.5	-	-	-	109.0	105.5	113.5	-	-	-
15-Jun-87	F	Adult	-	-	178.0	44.0	-	-	-	106.0	112.0	119.0	-	-	-
16-Jun-87	F	Adult	-	80.0	170.0	41.0	-	-	-	102.0	102.0	113.0	-	-	-
16-Jun-87	F	Adult	-	95.0	179.5	42.5	-	-	-	110.0	107.0	117.0	-	-	-
16-Jun-87	F	Adult	-	-	186.0	38.0	-	-	-	107.0	106.0	112.0	-	-	-
16-Jun-87	F	Adult	-	-	157.5	37.0	-	-	-	108.0	102.0	112.0	-	-	-
02-May-88	M	Adult	6	100.0	202.0	-	53.5	-	-	119.0	-	120.0	-	-	-
02-May-88	M	Adult	5	112.0	204.0	-	57.0	-	-	124.0	-	121.0	-	-	-
02-May-88	M	Yearling	1	81.0	183.0	-	57.0	-	-	111.0	-	120.0	-	-	-
02-May-88	M	Adult	8	-	204.0	-	56.5	-	-	120.0	-	124.0	-	-	-
05-May-88	M	Adult	-	-	209.0	-	51.0	-	-	136.0	-	131.0	-	-	-

Table 4C-9 (con'd). Morphology data for captured or deceased caribou from the La Poile herd, 1973 - 1990. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Cohort	Age	Weight (kg)	Length (cm)				Heart Girth (cm)	Shoulder height (cm)				Neck Circ. (cm)
					Body	Hind Foot		Tail	Ear					
						a	b				1	2	3	4	
05-May-88	M	Adult	6	-	209.0	-	51.0	-	-	-	-	125.0	-	-	-
05-May-88	M	Adult	-	-	192.0	-	52.0	-	-	126.0	-	118.0	-	-	-
05-May-88	M	Adult	-	-	208.0	-	54.0	-	-	123.0	-	117.0	-	-	-
05-May-88	M	Adult	-	135.0	216.0	-	52.0	-	-	137.0	-	138.0	-	-	-
06-May-88	M	Adult	7	-	206.0	-	56.0	-	-	129.0	-	129.0	-	-	-
06-May-88	M	Adult	7	-	209.0	-	53.0	-	-	137.0	-	118.0	-	-	-
06-May-88	M	Adult	7	-	196.0	-	52.0	-	-	131.0	-	117.0	-	-	-
10-May-88	M	Adult	-	-	201.0	-	58.0	-	-	127.0	-	121.0	-	-	-
10-May-88	M	Adult	6	100.0	197.0	-	59.0	-	-	122.0	-	127.0	-	-	-
11-May-88	M	Adult	5	127.0	199.0	-	59.0	-	-	122.0	-	128.0	-	-	-
11-May-88	M	Adult	4	100.0	201.0	-	59.0	-	-	117.0	-	123.0	-	-	-
11-May-88	M	Adult	-	127.0	206.0	-	62.0	-	-	126.0	-	132.5	-	-	-
28-May-88	M	Adult	9	120.0	196.0	-	57.0	-	-	127.0	-	123.0	-	-	-
30-May-88	M	Calf	0	7.3	-	-	-	-	-	-	-	-	-	-	-
30-May-88	F	Calf	0	7.8	-	-	-	-	-	-	-	-	-	-	-
02-Jun-88	F	Calf	0	7.3	-	-	-	-	-	-	-	-	-	-	-
02-Jun-88	F	Calf	0	6.5	-	-	-	-	-	-	-	-	-	-	-
03-Jun-88	M	Calf	0	8.5	78.0	-	35.0	-	-	48.0	53.0	-	-	-	-
03-Jun-88	M	Calf	0	-	82.0	28.0	-	-	-	46.0	56.0	-	-	-	-
03-Jun-88	M	Calf	0	-	79.0	26.0	-	-	-	48.0	55.0	-	-	-	-
03-Jun-88	F	Adult	4	60.0	177.5	-	55.0	-	-	107.0	-	110.0	-	-	-
03-Jun-88	M	Calf	0	-	78.0	26.0	-	-	-	51.0	55.0	-	-	-	-
03-Jun-88	F	Adult	-	-	184.0	43.0	56.0	-	-	118.0	-	120.0	-	-	-
03-Jun-88	F	Adult	7	80.0	193.0	-	53.0	-	-	118.0	-	118.0	-	-	-
03-Jun-88	F	Calf	0	7.0	82.0	-	32.0	-	-	46.0	53.0	-	-	-	-
03-Jun-88	F	Calf	0	6.0	74.0	-	33.0	-	-	42.5	56.0	-	-	-	-
03-Jun-88	F	Calf	0	8.0	79.0	-	35.0	-	-	47.0	-	62.0	-	-	-
03-Jun-88	F	Adult	-	-	163.0	44.0	-	-	-	108.0	103.0	-	-	-	-
03-Jun-88	F	Adult	8	75.0	190.0	-	56.0	-	-	113.0	-	118.0	-	-	-
03-Jun-88	M	Calf	0	5.5	78.0	-	32.0	-	-	39.0	-	55.0	-	-	-
03-Jun-88	F	Calf	0	7.0	83.0	-	32.5	-	-	43.0	-	59.0	-	-	-
03-Jun-88	F	Adult	7	-	171.0	-	54.0	-	-	111.0	-	118.0	-	-	-
03-Jun-88	F	Adult	-	-	188.0	-	54.0	-	-	105.0	-	113.0	-	-	-
03-Jun-88	F	Calf	0	9.5	85.0	-	35.0	-	-	49.0	-	66.0	-	-	-
03-Jun-88	F	Adult	-	-	180.0	44.0	-	-	-	107.0	105.5	-	-	-	-
03-Jun-88	F	Adult	3	70.0	188.0	-	55.0	-	-	114.0	-	113.0	-	-	-
03-Jun-88	F	Adult	-	85.0	-	-	-	-	-	-	-	115.0	-	-	-
04-Jun-88	F	Calf	0	9.0	85.0	-	33.0	-	-	46.0	-	57.0	-	-	-
04-Jun-88	F	Adult	-	80.0	169.0	41.5	-	-	-	-	111.0	-	-	-	-
04-Jun-88	M	Calf	0	7.0	76.0	-	33.0	-	-	42.0	-	60.0	-	-	-
04-Jun-88	F	Calf	0	7.3	74.2	25.7	-	-	-	45.5	45.9	-	-	-	-
04-Jun-88	F	Calf	0	7.5	73.0	26.0	-	-	-	42.4	46.0	-	-	-	-
04-Jun-88	F	Adult	3	55.0	166.0		51.5	-	-	99.0	-	110.0	-	-	-
04-Jun-88	F	Adult	-	80.0	-	-	-	-	-	-	-	-	-	-	-
04-Jun-88	F	Calf	0	-	74.0	26.0	-	-	-	44.0	51.0	-	-	-	-
04-Jun-88	F	Calf	0	5.0	74.0	-	30.0	-	-	40.0	52.0	-	-	-	-

Table 4C-9 (con'd). Morphology data for captured or deceased caribou from the La Poile herd, 1973 - 1990. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Cohort	Age	Weight (kg)	Length (cm)					Heart Girth (cm)	Shoulder height (cm)				Neck Circ. (cm)
					Body	Hind Foot		Tail	Ear						
						a	b				1	2	3	4	
04-Jun-88	M	Calf	0	-	76.0	27.8	-	-	-	42.5	-	59.0	-	-	-
04-Jun-88	F	Adult	8	-	189.0	-	56.0	-	-	117.0	-	115.0	-	-	-
04-Jun-88	F	Adult	-	-	177.0	43.0	-	-	-	109.0	107.5	-	-	-	-
04-Jun-88	F	Adult	-	-	175.0	42.0	-	-	-	113.0	102.0	-	-	-	-
04-Jun-88	F	Calf	0	-	80.5	26.0	-	-	-	48.0	53.8	-	-	-	-
04-Jun-88	F	Adult	3	-	173.0	-	56.5	-	-	111.0	-	107.0	-	-	-
04-Jun-88	F	Adult	-	-	179.0	40.5	-	-	-	106.0	104.0	-	-	-	-
04-Jun-88	M	Calf	0	-	87.0	28.0	-	-	-	49.0	-	58.0	-	-	-
04-Jun-88	F	Adult	-	88.0	-	-	-	-	-	-	-	-	-	-	-
04-Jun-88	F	Adult	-	-	189.0	41.0	-	-	-	112.0	104.0	-	-	-	-
04-Jun-88	M	Calf	0	-	83.0	26.0	-	-	-	46.0	-	60.5	-	-	-
04-Jun-88	M	Calf	0	-	77.0	26.0	-	-	-	48.0	48.2	-	-	-	-
04-Jun-88	M	Calf	0	8.5	86.0	-	35.5	-	-	44.0	-	66.0	-	-	-
04-Jun-88	F	Adult	4	75.0	165.0	41.4	-	-	-	105.0	107.5	-	-	-	-
07-Jun-88	F	Adult	-	-	182.0	41.0	-	-	-	109.0	106.0	-	-	-	-
07-Jun-88	F	Calf	0	-	79.0	25.0	-	-	-	42.0	48.0	-	-	-	-
08-Jun-88	M	Calf	0	8.5	89.0	-	35.0	-	-	-	-	64.0	-	-	-
08-Jun-88	M	Calf	0	7.5	79.0	-	33.5	-	-	43.0	-	61.0	-	-	-
08-Jun-88	M	Calf	0	8.0	83.0	-	33.5	-	-	43.0	-	61.0	-	-	-
09-Jun-88	F	Calf	0	7.5	77.5	27.0	32.5	-	-	45.5	52.0	58.4	-	-	-
09-Jun-88	M	Calf	0	8.3	89.0	28.0	35.0	-	-	-	53.0	59.0	-	-	-
09-Jun-88	M	Calf	0	8.5	83.5	28.0	35.5	-	-	45.0	55.0	62.0	-	-	-
09-Jun-88	M	Calf	0	7.0	71.0	26.5	33.5	-	-	47.0	56.0	59.5	-	-	-
09-Jun-88	M	Calf	0	8.5	84.0	27.0	36.0	-	-	47.0	59.0	63.0	-	-	-
09-Jun-88	F	Adult	8	70.0	172.0	41.0	56.0	-	-	105.0	99.0	110.0	-	-	-
09-Jun-88	F	Adult	-	-	203.0	44.5	57.0	-	-	131.0	102.0	110.0	-	-	-
09-Jun-88	M	Calf	0	7.0	80.0	26.5	35.5	-	-	40.0	55.5	60.0	-	-	-
09-Jun-88	M	Calf	0	7.5	80.0	26.0	33.5	-	-	42.0	53.0	58.0	-	-	-
09-Jun-88	M	Calf	0	8.0	77.0	-	33.0	-	-	45.0	-	58.0	-	-	-
09-Jun-88	M	Calf	0	6.5	-	26.5	33.0	-	-	42.5	54.5	59.0	-	-	-
09-Jun-88	M	Calf	0	8.5	80.0	-	-	-	-	47.0	51.5	57.0	-	-	-
09-Jun-88	F	Adult	-	80.0	177.0	-	54.0	-	-	110.0	-	108.5	-	-	-
09-Jun-88	F	Adult	3	72.0	179.0	43.5	54.0	-	-	107.0	108.0	113.0	-	-	-
09-Jun-88	F	Adult	3	-	181.0	44.0	55.0	-	-	106.0	109.0	119.0	-	-	-
09-Jun-88	F	Adult	5	90.0	182.0	42.0	54.0	-	-	112.0	107.0	117.0	-	-	-
09-Jun-88	F	Adult	8	70.0	189.0	40.5	52.0	-	-	103.0	99.0	112.0	-	-	-
09-Jun-88	F	Adult	4	75.0	166.5	42.5	54.0	-	-	107.0	104.0	114.0	-	-	-
09-Jun-88	F	Adult	9	73.0	175.0	42.5	54.5	-	-	106.0	103.0	113.0	-	-	-
10-Jun-88	M	Calf	0	7.5	82.0	28.0	34.5	-	-	40.0	52.0	59.0	-	-	-
10-Jun-88	F	Calf	0	9.0	88.0	28.5	34.5	-	-	49.0	-	-	-	-	-
10-Jun-88	M	Calf	0	12.0	99.0	28.0	38.0	-	-	55.0	60.0	66.0	-	-	-
10-Jun-88	F	Adult	4	-	191.0	43.0	56.0	-	-	108.0	101.0	110.0	-	-	-
10-Jun-88	F	Adult	4	77.0	177.0	42.0	54.5	-	-	109.0	112.0	120.5	-	-	-
10-Jun-88	F	Adult	13	-	187.0	44.5	56.5	-	-	109.0	106.5	116.0	-	-	-
14-Jun-88	F	Adult	5	-	-	44.0	54.0	-	-	110.0	106.0	115.0	-	-	-
14-Jun-88	F	Calf	0	7.5	80.0	27.0	34.0	-	-	41.0	56.0	63.0	-	-	-

Table 4C-9 (con'd). Morphology data for captured or deceased caribou from the La Poile herd, 1973 - 1990. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Cohort	Age	Weight (kg)	Length (cm)					Heart Girth (cm)	Shoulder height (cm)				Neck Circ. (cm)
					Body	Hind Foot		Tail	Ear						
						a	b				1	2	3	4	
14-Jun-88	F	Adult	-	-	167.0	39.0	51.5	-	-	95.0	94.0	105.0	-	-	-
31-May-89	F	Calf	0	7.3	70.0	-	-	-	-	42.0	-	54.0	-	-	-
01-Jun-89	M	Calf	0	7.3	-	-	-	-	-	-	-	-	-	-	-
03-Jun-89	F	Adult	-	-	178.0	-	54.0	-	-	106.5	-	115.0	-	-	-
03-Jun-89	F	Adult	-	-	201.0	-	55.0	-	-	113.0	-	110.0	-	-	-
03-Jun-89	F	Adult	-	-	189.0	-	54.0	-	-	106.0	-	114.0	-	-	-
03-Jun-89	F	Adult	-	-	184.0	-	51.0	-	-	108.0	-	109.0	-	-	-
03-Jun-89	F	Adult	-	-	184.0	-	56.0	-	-	106.0	-	113.0	-	-	-
03-Jun-89	M	Calf	0	6.6	82.5	-	34.5	-	-	48.5	-	58.0	-	-	-
03-Jun-89	F	Adult	-	72.0	180.0	-	-	-	-	115.0	-	118.0	-	-	-
03-Jun-89	F	Calf	0	7.9	74.0	-	-	-	-	44.0	51.0	-	-	-	-
03-Jun-89	M	Calf	0	7.3	79.0	-	33.0	-	-	42.0	-	60.5	-	-	-
03-Jun-89	F	Calf	0	7.3	86.4	-	34.5	-	-	42.5	-	60.0	-	-	-
03-Jun-89	F	Calf	0	8.2	79.0	-	-	-	-	46.0	56.0	-	-	-	-
03-Jun-89	M	Calf	0	6.8	78.0	-	-	-	-	45.0	56.0	-	-	-	-
03-Jun-89	M	Calf	0	-	74.0	-	-	-	-	44.0	-	54.0	-	-	-
03-Jun-89	F	Calf	0	7.5	76.0	-	-	-	-	45.0	-	62.0	-	-	-
04-Jun-89	F	Adult	-	80.0	174.0	-	51.0	-	-	107.0	-	111.0	-	-	-
04-Jun-89	F	Adult	-	-	187.0	-	53.0	-	-	106.0	-	111.0	-	-	-
04-Jun-89	M	Calf	0	8.8	76.0	-	-	-	-	47.0	-	64.0	-	-	-
04-Jun-89	F	Adult	-	75.0	165.0	-	53.0	-	-	116.0	103.0	-	-	-	-
04-Jun-89	F	Calf	0	6.4	74.0	-	33.5	-	-	43.0	-	54.0	-	-	-
04-Jun-89	F	Calf	0	10.4	83.0	-	36.0	-	-	49.0	-	64.0	-	-	-
07-Jun-89	F	Calf	0	5.4	77.0	-	-	-	-	44.0	49.0	-	-	-	-
07-Jun-89	M	Calf	0	7.7	76.0	-	31.0	-	-	49.0	51.0	-	-	-	-
30-Jan-90	F	Adult	7.5	100.0	162.0	43.0	54.0	10.5	-	128.0	112.0	122.0	108.0	115.0	-
30-Jan-90	-	Fetus	-	-	24.5	-	6.4	-	-	10.6	-	13.0	-	-	-
30-Jan-90	-	Fetus	-	-	25.5	-	6.3	-	-	11.8	-	13.6	-	-	-
30-Jan-90	F	Adult	6.5	95.0	181.0	42.5	54.5	8.5	-	113.0	109.0	118.0	104.0	112.0	-
30-Jan-90	F	Adult	4.5	85.0	173.0	43.0	54.0	12.0	-	125.0	117.0	125.0	107.0	116.0	-
30-Jan-90	M	Yearling	1.5	72.0	153.0	42.0	54.0	10.0	-	104.0	103.0	109.0	93.0	104.0	-
30-Jan-90	M	Fetus	-	0.3	26.6	-	7.0	-	-	13.2	-	14.6	-	-	-
31-Jan-90	F	Adult	6.5	95.0	169.0	42.0	54.0	12.5	-	122.0	117.0	121.0	108.0	114.0	-
31-Jan-90	F	Adult	5.5	85.0	173.0	43.0	54.5	10.5	-	115.0	110.0	118.0	105.0	113.0	-
31-Jan-90	F	Adult	6.5	88.0	179.0	43.0	53.0	8.0	-	114.0	109.5	117.0	105.0	113.0	-
31-Jan-90	M	Fetus	-	0.3	28.9	-	7.5	-	-	12.3	-	13.1	-	-	-
31-Jan-90	M	Fetus	-	0.4	31.2	-	8.4	-	-	12.2	-	16.1	-	-	-
31-Jan-90	M	Fetus	-	0.2	26.1	-	6.5	-	-	11.6	-	12.4	-	-	-
31-Jan-90	F	Adult	8.5	-	164.0	41.0	52.0	12.5	-	104.0	108.0	116.0	102.0	109.0	-
31-Jan-90	F	Fetus	-	0.4	29.5	-	7.8	-	-	13.6	-	14.5	-	-	-
01-Feb-90	F	Adult	8.5	80.0	180.0	41.0	52.0	8.5	-	116.0	110.0	117.0	104.0	113.0	-
01-Feb-90	F	Adult	12.5	99.0	181.0	44.0	58.0	9.5	-	120.0	122.0	131.0	114.0	121.0	-
01-Feb-90	F	Adult	13.5	72.0	174.0	41.0	52.5	12.5	-	-	111.0	116.0	102.0	109.0	-
01-Feb-90	M	Adult	3.5	90.0	187.0	45.0	59.0	15.0	-	115.0	120.0	128.0	112.0	119.0	-
01-Feb-90	M	Adult	3.5	107.0	196.0	45.0	57.5	15.0	-	117.0	119.0	124.0	113.0	121.0	-
01-Feb-90	F	Fetus	-	0.3	29.0	-	7.4	-	-	12.1	-	13.3	-	-	-

Table 4C-9 (con'd). Morphology data for captured or deceased caribou from the La Poile herd, 1973 - 1990. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Cohort	Age	Weight (kg)	Length (cm)					Heart Girth (cm)	Shoulder height (cm)				Neck Circ. (cm)
					Body	Hind Foot		Tail	Ear						
						a	b				1	2	3	4	
01-Feb-90	M	Adult	2.5	71.0	178.0	44.0	56.0	11.5	-	111.0	112.0	122.0	106.0	114.0	-
01-Feb-90	F	Fetus	-	0.2	24.6	-	6.7	-	-	12.6	-	12.2	-	-	-
01-Feb-90	M	Adult	4.5	80.0	181.0	44.0	55.0	9.0	-	112.0	116.0	122.0	110.0	115.0	-
01-Feb-90	F	Fetus	-	0.3	27.7	-	7.1	-	-	13.1	-	13.0	-	-	-
02-Apr-90	F	Fetus	-	1.6	52.1	-	16.9	-	-	24.2	-	29.8	-	-	-
02-Apr-90	M	Fetus	-	1.5	48.6	-	15.6	-	-	22.3	-	25.4	-	-	-
02-Apr-90	F	Adult	5	71.0	166.0	42.5	55.2	10.2	-	113.0	110.5	118.7	104.1	112.4	-
02-Apr-90	F	Adult	9	71.0	164.0	41.9	54.6	10.8	-	111.0	102.9	111.1	89.5	97.8	-
02-Apr-90	F	Adult	3	65.0	162.0	40.6	51.4	10.2	-	114.0	102.9	110.5	97.2	104.1	-
02-Apr-90	F	Adult	5	65.0	164.0	41.9	52.1	10.2	-	122.0	102.2	109.2	89.5	97.2	-
06-Apr-90	F	Fetus	-	2.1	56.8	-	19.0	-	-	26.3	-	31.4	-	-	-
06-Apr-90	M	Fetus	-	1.9	52.4	-	18.2	-	-	25.5	-	31.1	-	-	-
06-Apr-90	M	Fetus	-	1.8	52.1	-	17.2	-	-	25.0	-	27.8	-	-	-
06-Apr-90	F	Fetus	-	1.9	54.7	-	19.4	-	-	26.0	-	34.2	-	-	-
06-Apr-90	F	Fetus	-	2.1	57.8	-	20.2	-	-	26.3	-	34.2	-	-	-
06-Apr-90	M	Fetus	-	1.6	48.6	-	15.9	-	-	24.7	-	30.1	-	-	-
06-Apr-90	M	Adult	5	105.0	198.0	48.3	59.7	12.7	-	127.0	120.0	128.9	106.4	115.6	-
06-Apr-90	M	Fetus	-	2.2	58.4	-	18.8	-	-	27.0	-	31.5	-	-	-
06-Apr-90	F	Adult	6	89.0	184.0	44.1	55.9	13.3	-	119.0	111.1	119.4	105.4	113.7	-
06-Apr-90	F	Adult	3	75.5	182.0	45.7	57.2	14.0	-	109.0	113.0	121.3	104.1	112.4	-
06-Apr-90	F	Adult	6	75.0	176.0	42.5	54.0	10.2	-	111.0	106.0	114.3	89.5	97.2	-
06-Apr-90	F	Adult	5	76.5	160.0	44.5	55.2	10.2	-	108.0	110.5	117.5	94.0	102.2	-
06-Apr-90	F	Adult	3	70.3	171.0	41.9	53.3	12.7	-	114.0	106.7	114.9	98.7	107.3	-
06-Apr-90	F	Adult	8	84.0	178.0	44.8	57.2	9.5	-	118.0	108.0	116.2	96.5	104.8	-
06-Apr-90	F	Adult	4	-	175.0	43.8	55.2	13.3	-	115.0	106.0	114.3	96.5	104.8	-
06-Jun-90	F	Adult	-	50.0	-	-	-	-	-	-	-	-	-	-	-
06-Jun-90	F	Adult	-	50.0	144.0	39.0	50.5	-	-	94.0	91.0	102.0	90.0	97.0	-
06-Jun-90	M	Calf	0	8.5	80.0	-	36.5	-	-	45.0	-	66.0	-	-	-
06-Jun-90	F	Adult	-	52.3	161.0	38.0	53.0	-	-	100.0	102.0	106.0	99.0	101.0	-
06-Jun-90	M	Calf	0	6.8	80.0	-	34.5	-	-	43.0	-	64.0	-	-	-
07-Jun-90	F	Adult	-	50.9	158.0	41.0	52.0	-	-	95.0	98.0	103.0	90.0	94.0	-
07-Jun-90	F	Calf	0	7.5	70.5	-	32.0	-	-	40.0	-	55.0	-	-	-
07-Jun-90	F	Calf	0	6.1	78.0	-	-	-	-	40.0	-	56.0	-	-	-
07-Jun-90	M	Calf	0	7.0	-	-	-	-	-	-	-	-	-	-	-
07-Jun-90	M	Calf	0	7.5	76.0	-	-	-	-	48.0	-	63.5	-	-	-
08-Jun-90	F	Adult	-	-	175.0	44.0	56.0	-	-	114.0	101.0	117.0	99.0	114.0	-
08-Jun-90	F	Adult	-	76.4	190.0	40.0	53.0	-	-	80.0	105.0	120.0	94.0	102.0	-
08-Jun-90	M	Calf	0	10.5	93.0	-	35.8	-	-	54.0	-	68.5	-	-	-
08-Jun-90	F	Adult	-	-	174.0	-	52.5	-	-	80.0	-	-	-	-	-
09-Jun-90	F	Adult	-	63.6	179.0	42.5	52.0	-	-	108.5	103.0	109.0	99.0	106.0	-
10-Jun-90	F	Calf	0	7.0	78.0	-	32.0	-	-	48.0	-	59.0	-	-	-
11-Jun-90	F	Adult	-	78.6	186.0	-	53.0	-	-	-	108.0	122.0	-	-	-
11-Jun-90	M	Calf	0	7.0	79.0	-	34.5	-	-	-	-	65.5	-	-	-

Table 4C-10. Morphology data for captured or deceased caribou from the Merasheen Island herd, 1993 - 1998. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Cohort	Age	Weight (kg)	Length (cm)			Heart Girth (cm)	Shoulder height (cm)			
					Body	Hind Foot						
						a	b		1	2	3	4
04-May-93	F	A	6	100.0	185.0	45.0	57.0	110.5	-	121.5	105.0	112.0
05-May-93	F	A	10	96.0	186.5	45.5	59.0	114.0	120.0	131.0	115.0	122.0
05-May-93	M	A	2	82.5	166.5	44.0	57.0	115.0	111.0	121.0	104.0	112.0
05-May-93	F	A	7	92.0	175.0	44.5	57.0	112.0	103.0	114.0	95.0	107.0
05-May-93	F	A	5	96.0	173.0	43.0	56.0	117.0	111.0	124.0	103.0	114.0
05-May-93	F	A	9	89.0	172.0	42.0	56.0	104.0	108.0	120.0	106.0	112.0
05-May-93	F	A	7	117.0	186.0	46.0	58.5	123.5	117.0	125.0	108.0	118.0
06-May-93	F	A	4	100.0	182.0	44.5	57.0	112.0	107.0	124.0	108.0	114.0
06-May-93	F	A	9	95.0	189.5	44.0	56.5	114.0	112.0	120.0	106.0	116.0
03-Sep-94	M	A	8	-	200.7	-	61.0	147.3	-	127.0	-	-
03-Sep-94	M	Y	1	-	157.5	-	50.8	106.7	-	101.6	-	-
03-Sep-94	F	A	10	-	162.6	-	43.2	111.8	-	111.8	-	-
03-Sep-94	M	A	6	-	182.9	-	53.3	142.2	-	109.2	-	-
03-Sep-94	M	A	6	-	208.3	-	55.9	142.2	-	121.9	-	-
03-Sep-94	M	A	-	-	170.2	-	48.3	106.7	-	111.8	-	-
03-Sep-94	M	Y	1	-	170.2	-	45.7	127.0	-	109.2	-	-
03-Sep-94	M	A	2	-	182.9	-	45.7	132.1	-	114.3	-	-
03-Sep-94	F	A	-	-	162.6	-	38.1	116.8	-	91.4	-	-
03-Sep-94	M	A	8	-	198.1	-	50.8	-	-	132.1	-	-
03-Sep-94	F	A	3	-	172.7	-	50.8	109.2	-	111.8	-	-
05-Sep-94	M	A	10	-	190.5	-	45.7	147.3	-	114.3	-	-
05-Sep-94	M	A	-	-	177.8	-	61.0	137.2	-	137.2	-	-
05-Sep-94	M	A	5	-	180.3	-	45.7	147.3	-	121.9	-	-
07-Sep-94	M	A	9	-	213.4	-	55.9	-	-	121.9	-	-
09-Sep-94	F	A	2	-	167.6	-	53.3	121.9	-	114.3	-	-
09-Sep-94	M	A	7	-	218.4	-	50.8	121.9	-	137.2	-	-
13-Sep-94	F	A	-	-	165.1	-	53.3	114.3	-	111.8	-	-
15-Sep-94	F	A	4	-	167.6	-	-	116.8	-	106.7	-	-
16-Sep-94	M	A	8	-	182.9	-	-	132.8	-	116.8	-	-
09-Sep-95	F	A	1	-	152.0	-	53.0	109.0	-	112.0	-	-
09-Sep-95	M	A	8	-	213.0	-	64.0	-	-	132.0	-	-
09-Sep-95	M	A	2	-	163.0	-	46.0	117.0	-	102.0	-	-
09-Sep-95	F	A	2	-	150.0	-	51.0	107.0	-	107.0	-	-
09-Sep-95	M	A	3	-	206.0	-	47.0	132.0	-	122.0	-	-
09-Sep-95	M	A		-	185.0	-	53.0	-	-	99.0	-	-
09-Sep-95	M	A	4	-	173.0	-	46.0	127.0	-	122.0	-	-
09-Sep-95	M	A	8	-	213.0	-	58.0	142.0	-	122.0	-	-
09-Sep-95	M	A	6	-	208.0	-	58.0	-	-	127.0	-	-
09-Sep-95	M	A	17	-	178.0	-	43.0	117.0	-	109.0	-	-
09-Sep-95	F	A	2	-	160.0	-	36.0	109.0	-	99.0	-	-
09-Sep-95	M	A	6	-	183.0	-	58.0	152.0	-	130.0	-	-
12-Sep-95	F	A	10	-	196.0	-	46.0	112.0	-	114.0	-	-
12-Sep-95	M	A	4	-	183.0	-	58.0	112.0	-	122.0	-	-
13-Sep-95	M	A	1	-	160.0	-	38.0	94.0	-	104.0	-	-
13-Sep-95	F	A	2	-	160.0	-	51.0	101.0	-	114.0	-	-

Table 4C-10 (con'd). Morphology data for captured or deceased caribou from the Merasheen Island herd, 1993 - 1998. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Cohort	Age	Weight (kg)	Length (cm)			Heart Girth (cm)	Shoulder height (cm)			
					Body	Hind Foot						
						a	b		1	2	3	4
14-Sep-95	F	A	5	-	157.0	-	56.0	119.0	-	112.0	-	-
15-Sep-95	F	A	6	-	168.0	-	58.0	114.0	-	119.0	-	-
16-Sep-95	F	A	2	-	160.0	-	53.0	119.0	-	104.0	-	-
19-Sep-95	F	A	1	-	127.0	-	51.0	96.0	-	91.0	-	-
19-Sep-95	F	A	6	-	170.0	-	56.0	122.0	-	107.0	-	-
20-Sep-95	F	C		-	124.0	-	50.0	96.0	-	94.0	-	-
20-Sep-95	F	A	2	-	152.0	-	53.0	112.0	-	114.0	-	-
22-Sep-95	F	A	7	-	168.0	-	51.0	117.0	-	104.0	-	-
23-Sep-95	M	A		-	211.0	-	41.0	96.0	-	142.0	-	-
13-Sep-96	M	A	7	-	198.0	-	-	137.0	-	135.0	-	-
14-Sep-96	M	A	3	-	160.0	-	48.0	127.0	-	117.0	-	-
14-Sep-96	M	A	6	-	198.0	-	58.0	147.0	-	130.0	-	-
14-Sep-96	M	A		-	211.0	-	46.0	145.0	-	119.0	-	-
14-Sep-96	M	A	7	-	221.0	-	46.0	-	-	-	-	-
14-Sep-96	F	A	3	-	160.0	-	53.0	117.0	-	117.0	-	-
14-Sep-96	F	A	1	-	155.0	-	36.0	104.0	-	91.0	-	-
14-Sep-96	M	A	6	-	185.0	-	65.0	147.0	-	122.0	-	-
14-Sep-96	M	A	9	-	215.0	-	41.0	150.0	-	127.0	-	-
14-Sep-96	F	A	12	-	183.0	-	46.0	130.0	-	117.0	-	-
15-Sep-96	M	A	6	-	241.0	-	-	150.0	-	-	-	-
19-Sep-96	F	Y?	1?	-	142.0	-	-	112.0	-	-	-	-
21-Sep-96	M	A	1	-	168.0	-	51.0	107.0	-	122.0	-	-
26-Sep-96	M	A	3	-	162.0	-	51.0	107.0	-	137.0	-	-
26-Sep-96	M	A	4	-	188.0	-	56.0	137.0	-	117.0	-	-
27-Sep-96	F	A	9	-	185.0	-	56.0	117.0	-	112.0	-	-
1996	F	A	0	-	140.0	-	43.0	99.0	-	94.0	-	-
1996	M	A	5	-	185.0	-	56.0	137.0	-	119.0	-	-
1996	F	A	8	-	173.0	-	50.0	-	-	107.0	-	-
13-Sep-97	M	A	9	-	200.7	-	58.4	147.3	-	134.6	-	-
13-Sep-97	M	A	9	-	203.2	-	86.4	127.0	-	101.6	-	-
13-Sep-97	F	A	2	-	147.3	-	-	111.8	-	99.1	-	-
15-Sep-97	M	A	8	-	213.4	-	50.8	266.7	-	121.9	-	-
15-Sep-97	F	A	5	-	182.9	-	55.9	-	-	121.9	-	-
15-Sep-97	M	A	7	-	134.6	-	53.3	137.2	-	137.2	-	-
15-Sep-97	M	A	6	-	188.0	-	61.0	137.2	-	177.8	-	-
17-Sep-97	M	Y	1	-	157.5	-	48.3	116.8	-	104.1	-	-
18-Sep-97	M	A	10	-	205.7	-	-	121.9	-	111.8	-	-
18-Sep-97	M	A	8	-	177.8	-	58.4	63.5	-	127.0	-	-
23-Sep-97	M	-	-	-	203.2	-	50.8	152.4	-	121.9	-	-
25-Sep-97	F	Y	3	-	182.9	-	45.7	137.2	-	127.0	-	-
26-Sep-97	F	A	2	-	165.1	-	54.6	114.3	-	111.8	-	-
26-Sep-97	M	Y	1	-	165.1	-	58.4	116.8	-	111.8	-	-
27-Sep-97	F	A	2	-	142.2	-	25.4	96.5	-	106.7	-	-
Sep-97	M	A	4	-	185.4	-	58.4	119.4	-	116.8	-	-
12-Sep-98	F	A	2	-	182.9	-	55.9	142.2	-	104.1	-	-
12-Sep-98	M	Y	1	-	152.4	-	50.8	114.3	-	99.1	-	-

Table 4C-10 (con'd). Morphology data for captured or deceased caribou from the Merasheen Island herd, 1993 - 1998. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Cohort	Age	Weight (kg)	Length (cm)			Heart Girth (cm)	Shoulder height (cm)			
					Body	Hind Foot						
						a	b		1	2	3	4
12-Sep-98	M	A	6	-	132.1	-	43.2	147.3	-	121.9	-	-
12-Sep-98	M	A	8	-	203.2	-	53.3	157.5	-	109.2	-	-
12-Sep-98	M	Y	1	-	-	-	-	-	-	-	-	-
12-Sep-98	F	A	6	-	-	-	-	-	-	-	-	-
12-Sep-98	F	C	0	-	142.2	-	35.6	91.4	-	78.7	-	-
12-Sep-98	M	A	4	-	185.4	-	45.7	119.4	-	114.3	-	-
12-Sep-98	M	A	5	-	182.9	-	58.4	142.2	-	121.9	-	-
12-Sep-98	M	A	7	-	190.5	-	53.3	-	-	116.8	-	-
12-Sep-98	M	-	-	-	175.3	-	55.9	121.9	-	106.7	-	-
12-Sep-98	M	A	5	-	137.2	-	-	-	-	119.4	-	-
14-Sep-98	M	-	-	-	177.8	-	50.8	139.7	-	119.4	-	-
14-Sep-98	M	-	-	-	190.5	-	61.0	157.5	-	132.1	-	-
18-Sep-98	F	-	-	-	172.7	-	53.3	-	-	116.8	-	-
21-Sep-98	M	-	-	-	208.2	-	43.2	124.5	-	111.8	-	-
22-Sep-98	M	-	-	-	208.3	-	47.0	139.7	-	124.5	-	-
25-Sep-98	-	A	2	-	172.7	-	50.8	121.9	-	111.8	-	-
26-Sep-98	F	-	-	-	149.9	-	50.8	96.5	-	96.5	-	-
-	M	A	2	-	177.8	-	58.4	121.9	-	124.5	-	-

Table 4C-11. Morphology data for captured or deceased caribou from the Middle Ridge herd, 1982 - 1996. Estimated weights are listed in italics. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Calf/ udder present	Cohort	Age	Weight (kg)	Length (cm)						Heart Girth (cm)	Shoulder height (cm)				Neck circ. (cm.)	Inter-Orbital Width (cm)
						Body	Hind Foot		Tail	Ear	Head		1	2	3	4		
							a	b										
20-Mar-82	F	-	Calf	0	21.8	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Mar-82	M	-	Calf	0	24.6	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Mar-82	M	-	Calf	0	26.0	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Mar-82	M	-	Calf	0	22.7	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Mar-82	F	-	Yearling	1	28.6	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Mar-82	F	-	Calf	0	22.4	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Mar-82	M	-	Calf	0	24.2	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Mar-82	M	-	Calf	0	24.9	-	-	-	-	-	-	-	-	-	-	-	-	-
26-Jun-82	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26-Jun-82	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26-Jun-82	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26-Jun-82	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30-May-83	F	Yes	Adult	7	102.0	183.0	-	-	-	-	-	120.0	-	-	-	-	-	-
30-May-83	F	Yes	Adult	11	93.0	185.0	-	-	-	-	-	120.0	-	-	-	-	-	-
31-May-83	F	Yes	Adult	15	-	203.0	-	-	-	-	-	118.0	-	-	-	-	-	-
31-May-83	F	Yes	Adult	9	96.0	188.0	-	-	-	-	-	105.0	-	-	-	-	-	-
31-May-83	M	-	Adult	6	*160.0*	198.0	-	-	-	-	-	128.0	-	-	-	-	-	-
31-May-83	M	-	Adult	6	*160.0*	200.0	-	-	-	-	-	140.0	-	-	-	-	-	-
31-May-83	M	-	Adult	10	*180.0*	221.0	-	-	-	-	-	133.0	-	-	-	-	-	-
31-May-83	M	-	Adult	9	*205.0*	203.0	-	-	-	-	-	135.0	-	-	-	-	-	-
31-May-83	M	-	Adult	6		213.0	-	-	-	-	-	130.0	-	-	-	-	-	-
31-May-83	F	Yes	Adult	8	100.0	183.0	-	-	-	-	-	113.0	-	-	-	-	-	-
01-Jun-83	F	Yes	Adult	8	99.0	173.0	-	-	-	-	-	123.0	-	-	-	-	-	-
01-Jun-83	M	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01-Jun-83	F	Yes	-	-	110.0	198.0	-	-	-	-	-	115.0	-	-	-	-	-	-
01-Jun-83	F	-	Calf	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14-Oct-83	F	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28-Jun-84	F	Yes	Adult	5	*105.0*	-	-	-	-	-	-	-	-	-	-	-	-	-
28-Jun-84	F	Yes	Adult	10	*105.0*	168.0	-	-	-	-	-	116.0	-	-	-	-	-	-
28-Jun-84	F	-	Adult	3	*100.0*	168.0	-	-	-	-	-	113.0	-	-	-	-	-	-
28-Jun-84	F	-	Adult	2	90.0	158.0	-	-	-	-	-	108.0	-	-	-	-	-	-
14-Oct-84	M	-	Adult	8	164.0	198.0	-	-	-	-	-	133.0	-	-	-	-	-	-
14-Oct-84	M	-	Adult	12	205.0	226.0	-	-	-	-	-	148.0	-	-	-	-	-	-
14-Oct-84	M	-	Adult	5	198.0	210.0	-	-	-	-	-	140.0	-	-	-	-	-	-
14-Oct-84	M	-	Adult	-	*150.0*	188.0	-	-	-	-	-		-	-	-	-	-	-
04-Jun-87	M	-	Adult	-	-	226.0	-	-	-	-	-	152.0	-	-	-	-	-	-
04-Jun-87	F	Yes	Adult	-	92.0	188.0	-	-	-	-	-	122.0	-	-	-	-	-	-
04-Jun-87	M	-	Adult	-	112.0	185.0	-	-	-	-	-	132.0	-	-	-	-	-	-
04-Jun-87	F	Yes	Adult	8	85.0	178.0	-	-	-	-	-	109.0	-	-	-	-	-	-
04-Jun-87	F	No	Adult	3	86.0	168.0	-	-	-	-	-	117.0	-	-	-	-	-	-
04-Jun-87	M	-	Adult	4	-	183.0	-	-	-	-	-	157.0	-	-	-	-	-	-
05-Jun-87	F	No	Adult	7	114.0	196.0	-	-	-	-	-	122.0	-	-	-	-	-	-
05-Jun-87	M	-	Adult	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05-Jun-87	F	No	Adult	3	-	-	-	-	-	-	-	117.0	-	-	-	-	-	-
05-Jun-87	F	Yes	Adult	11	112.0	183.0	-	-	-	-	-	122.0	-	-	-	-	-	-

Table 4C-11 (con'd). Morphology data for captured or deceased caribou from the Middle Ridge herd, 1982 - 1996. Estimated weights are listed in italics. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Calf/ udder present	Cohort	Age	Weight (kg)	Length (cm)						Heart Girth (cm)	Shoulder height (cm)				Neck circ. (cm.)	Inter-Orbital Width (cm)
						Body	Hind Foot		Tail	Ear	Head		1	2	3	4		
							a	b										
05-Jun-87	F	No	Adult	4	100.0	188.0	-	-	-	-	-	109.0	-	-	-	-	-	-
06-Jun-87	M	-	Adult	2	92.0	175.0	-	58.0	-	-	-	119.0	-	-	-	-	-	-
06-Jun-87	F	Yes	Adult	9	-	215.0	-	57.0	13.0	13.0	42.0	-	-	-	-	-	-	11.0
06-Jun-87	F	No	Adult	2	-	160.0	-	-	-	-	-	107.0	-	-	-	-	-	-
06-Jun-87	M	-	Yearling	1	-	145.0	-	-	-	-	-	104.0	-	-	-	-	-	-
06-Jun-87	M	-	Adult	7	127.0	213.0	-	-	-	-	-	142.0	-	-	-	-	-	-
06-Jun-87	M	-	Adult	9	155.0	211.0	-	-	-	-	-	146.0	-	-	-	-	-	-
06-Jun-87	F	Yes	Adult	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
07-Jun-87	M	-	Adult	4	135.0	206.0	-	-	-	-	-	133.0	-	-	-	-	-	-
07-Jun-87	M	-	Adult	5	153.0	208.0	-	-	-	-	-	137.0	-	-	-	-	-	-
07-Jun-87	F	Yes	Adult	9	110.0	198.0	-	-	-	-	-	129.0	-	-	-	-	-	-
07-Jun-87	M	-	Adult	2	-	173.0	-	-	-	-	-	109.0	-	-	-	-	-	-
07-Jun-87	M	-	Adult	3	-	208.0	-	-	-	-	-	125.0	-	-	-	-	-	-
07-Jun-87	M	-	Adult	8	-	216.0	-	-	-	-	-	135.0	-	-	-	-	-	-
08-Jun-87	M	-	Adult	5	-	177.0	-	60.0	10.0	14.0	-	135.0	-	132.0	-	-	-	-
08-Jun-87	F	Yes	Adult	7	-	183.0	-	58.0	-	-	41.0	114.0	-	122.0	-	-	-	11.0
08-Jun-87	F	Yes	Adult	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
08-Jun-87	F	Yes	Adult	8	-	198.0	-	51.0	-	-	41.0	107.0	-	107.0	-	-	-	12.0
08-Jun-87	F	Yes	Adult	5	80.0	185.0	-	56.0	10.0	-	45.0	116.0	-	121.0	-	-	-	11.0
09-Jun-87	F	Yes	Adult	4	80.0	210.0	-	53.0	11.0	12.0	42.0	114.0	-	112.0	-	-	-	10.0
09-Jun-87	F	Yes	Adult	8	90.0	210.0	-	52.0	11.0	12.0	45.0	110.0	-	122.0	-	-	-	9.0
09-Jun-87	F	Yes	Adult	11	-	208.0	-	55.0	13.0	13.0	47.0	122.0	-	122.0	-	-	-	10.0
09-Jun-87	F	Yes	Adult	7	78.0	175.0	-	55.0	10.0	13.0	46.0	111.0	-	120.0	-	-	-	10.0
09-Jun-87	F	Yes	Adult	11	90.0	199.0	-	56.0	11.0	13.0	42.0	126.0	-	117.0	-	-	-	11.0
09-Jun-87	F	Yes	Adult	-	-	173.0	-	57.0	10.0	13.0	41.0	112.0	-	123.0	-	-	-	11.0
09-Jun-87	F	Yes	Adult	11	-	196.0	-	56.0	13.0	15.0	46.0	117.0	-	129.0	-	-	-	10.0
09-Jun-87	F	Yes	Adult	6	-	-	-	56.0	8.0	13.0	38.0	-	-	125.0	-	-	-	10.0
09-Jun-87	F	Yes	Adult	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10-Jun-87	F	Yes	Adult	13	-	197.0	-	-	-	-	-	-	-	-	-	-	-	-
10-Jun-87	F	Yes	Adult	4	-	175.0	-	55.0	13.0	13.0	42.0	108.0	-	125.0	-	-	-	9.0
10-Jun-87	F	Yes	Adult	4	75.0	171.0	-	57.0	10.0	12.0	41.0	109.0	-	119.0	-	-	-	10.0
10-Jun-87	F	Yes	Adult	4	-	183.0	-	-	10.0	13.0	42.0	107.0	-	122.0	-	-	-	8.0
20-Jun-87	F	Yes	Adult	10	105.0	192.0	-	54.0	13.0	13.0	44.0	111.0	-	115.0	-	-	-	14.0
13-Jul-87	M	-	Adult	4	-	204.0	-	-	14.0	14.0	47.0	-	-	125.0	-	-	-	-
13-Jul-87	F	Yes	Adult	-	-	-	-	52.0	14.0	14.0	46.0	119.0	-	128.0	-	-	-	13.0
20-Jul-87	M	-	Adult	10	-	-	-	-	-	-	-	143.0	-	-	-	-	-	-
10-Aug-87	M	-	Adult	-	145.0	203.0	-	50.0	14.0	15.0	50.0	-	-	123.0	-	-	-	9.0
10-Aug-87	F	No	Yearling	1	60.0	150.0	-	52.0	11.0	13.0	35.0	90.0	-	102.0	-	-	-	11.0
13-Nov-87	M	-	Adult	-	115.0	190.0	-	-	-	-	-	114.0	-	122.0	-	-	-	-
29-May-88	F	No	Adult	-	-	-	-	-	-	-	-	109.0	-	-	-	-	-	-
04-Jul-88	M	-	Yearling	1	-	158.0	-	54.0	9.0	13.0	-	95.0	-	100.0	-	-	-	13.0
08-Jul-88	F	Yes	Adult	4	-	215.0	-	57.0	19.0	13.0	41.0	118.0	-	113.0	-	-		13.0
16-Jul-88	M	-	Adult	9	-	208.0	-	58.0	13.0	-	-	142.0	-	135.0	-	-	-	10.0
17-Jul-88	F	No	Adult	-	-	196.0	-	-	-	-	-	108.0	-	-	-	-	-	-
17-Jul-88	F	Yes	Adult	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Date	Sex	Calf/ udder present	Cohort	Age	Weight (kg)	Length (cm)						Heart Girth (cm)	Shoulder height (cm)				Neck circ. (cm.)	Inter-Orbital Width (cm)
						Body	Hind Foot		Tail	Ear	Head		1	2	3	4		
							a	b										
19-Jul-88	F	Yes	Adult	7	-	193.0	-	55.0	12.0	13.0	43.0	105.0	-	114.0	-	-	-	13.0
08-Aug-88	F	No	Adult	2	-	175.0	-	54.0	18.0	13.0	44.0	112.0	-	119.0	-	-	-	13.0
Oct-88	F	-	-	-	-	180.0	-	-	13.0	15.0	-	130.0	-	118.0	-	-	-	-
22-Jun-89	F	Yes	Adult	8	-	197.0	-	-	12.0	-	-	113.0	-	-	-	-	-	-
25-Jun-89	M	-	Adult	2	-	183.0	-	-	-	-	-	107.0	-	-	-	-	-	-
27-Jun-89	F	Yes	Adult	-	-	203.0	-	-	11.0	-	-	149.0	-	-	-	-	-	-
28-Jun-89	F	Yes	Adult	-	-	198.0	-	-	12.0	-	-	137.0	-	-	-	-	-	-
28-Jun-89	F	No	Adult	2	-	191.0	-	-	12.0	-	-	126.0	-	-	-	-	-	-
29-Jun-89	F	No	Yearling	1	41.0	175.0	-	-	10.0	-	-	95.0	-	-	-	-	-	-
29-Jun-89	F	Yes	Adult	-	-	204.0	-	-	14.0	-	-	112.0	-	-	-	-	-	-
18-Jul-89	M	-	Adult	5	-	210.0	-	-	13.0	-	-	-	-	-	-	-	-	-
26-Jul-89	F	Yes	Adult	-	-	174.0	-	54.5	12.0	-	41.0	105.0	-	110.5	-	-	35.0	-
26-Jul-89	M	-	Adult	2	89.0	177.0	-	55.0	12.5	-	38.0	100.0	-	116.0	-	-	41.0	12.0
27-Jul-89	F	No	Yearling	1	-	158.0	-	-	-	-	34.0	95.0	-	-	-	-	-	11.0
27-Jul-89	F	Yes	Adult	4-5	118.0	173.5	-	58.0	13.3	-	45.5	112.0	-	124.5	-	-	49.3	13.6
07-Jul-90	M	-	Adult	2	-	177.0	-	55.0	18.0	-	42.0	109.0	-	115.0	-	-	40.0	9.5
09-Jul-90	F	-	Yearling	1	-	182.0	-	53.0	13.0	-	38.0	103.0	-	113.0	-	-	36.0	9.0
09-Jul-90	F	Yes	Adult	2	-	175.0	-	53.0	10.0	-	34.0	101.0	-	106.0	-	-	-	8.0
09-Jul-90	M	-	Adult	4	-	200.0	-	57.0	11.0	-	50.0	139.0	-	127.5	-	-	51.0	10.0
09-Jul-90	F	Yes	Adult	2	-	189.0	-	54.0	12.0	-	38.0	101.0	-	115.0	-	-	-	9.5
11-Jul-90	F	No	Yearling	1	-	185.0	-	57.0	11.0	-	39.0	102.0	-	113.0	-	-	38.0	8.5
13-Jul-90	M	-	Adult	8	-	225.0	-	62.0	17.0	-	53.0	137.0	-	143.0	-	-	66.0	12.0
13-Jul-90	M	-	Adult	7	-	214.0	-	59.0	12.0	-	47.0	127.0	-	120.0	-	-	57.0	10.0
13-Jul-90	F	-	Adult	7	-	199.0	-	54.0	13.0	-	39.0	116.0	-	116.0	-	-	41.0	10.0
29-Jul-90	M	-	Yearling	1	-	154.0	-	51.5	9.0	-	36.0	190.0	-	103.0	-	-	33.0	8.5
30-Jul-90	F	Yes	Adult	3	-	171.0	-	56.5	14.0	-	43.5	105.0	-	118.0	-	-	40.0	10.0
19-Nov-91	F	-	Adult	8	95.0	188.0	42.0	57.0	-	-	-	117.0	114.5	125.0	121.0	118.0	-	-
19-Nov-91	F	Yes	Adult	10	100.0	201.0	44.5	61.0	-	-	-	127.0	117.0	127.0	115.5	123.0	-	-
19-Nov-91	F	Yes	Adult	7	-	183.0	41.0	55.0	-	-	-	124.5	109.5	120.0	104.5	114.5	-	-
20-Nov-91	F	-	Adult	12	52.0	188.0	38.0	58.5	-	-	-	110.0	110.0	120.0	104.0	113.0	-	-
20-Nov-91	F	Yes	Adult	8	-	180.0	44.0	56.0	-	-	-	118.0	104.0	115.0	98.0	110.0	-	-
20-Nov-91	F	-	Adult	7	97.0	192.0	43.5	57.0		-		130.0	109.0	121.0	104.0	115.0		
20-Nov-91	F	No	Adult	8	92.0	-	-	-	-	-	-	-	-	-	-	-	-	-
23-Nov-91	M	-	Adult	9	155.0	226.0	44.0	58.0	-	-	-	142.5	122.0	131.0	114.0	124.0	-	-
23-Nov-91	F	Yes	Adult	-	93.0	191.0	44.0	57.0	-	-	-	128.5	97.0	109.0	92.0	105.0	-	-
23-Nov-91	F	-	Adult	15	-	226.0	44.0	61.0	-	-	-	121.0	118.0	130.0	110.0	120.0	-	-
05-Jun-92	M	-	Calf	0	7.2	-	-	-	-	-	-	47.6	-	-	-	-	-	-
05-Jun-92	M	-	Calf	0	7.0	-	-	-	-	-	-	48.3	-	-	-	-	-	-
05-Jun-92	F	-	Calf	0	6.8	-	-	-	-	-	-	44.5	-	-	-	-	-	-
05-Jun-92	F	-	Calf	0	6.3	-	-	-	-	-	-	43.2	-	-	-	-	-	-
05-Jun-92	M	-	Calf	0	6.3	-	-	-	-	-	-	47.0	-	-	-	-	-	-
05-Jun-92	M	-	Calf	0	5.4	-	-	-	-	-	-	44.5	-	-	-	-	-	-
05-Jun-92	F	-	Calf	0	6.8	-	-	-	-	-	-	45.7	-	-	-	-	-	-
05-Jun-92	M	-	Calf	0	9.5	-	-	-	-	-	-	53.4	-	-	-	-	-	-
05-Jun-92	F	-	Calf	0	7.4	-	-	-	-	-	-	49.5	-	-	-	-	-	-

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Date	Sex	Calf/ udder present	Cohort	Age	Weight (kg)	Length (cm)						Heart Girth (cm)	Shoulder height (cm)				Neck circ. (cm.)	Inter-Orbital Width (cm)
						Body	Hind Foot		Tail	Ear	Head		1	2	3	4		
							a	b										
05-Jun-92	F	-	Calf	0	6.8	-	-	-	-	-	-	47.6	-	-	-	-	-	-
05-Jun-92	F	-	Calf	0	8.1	-	-	-	-	-	-	48.3	-	-	-	-	-	-
05-Jun-92	M	-	Calf	0	7.7	-	-	-	-	-	-	47.0	-	-	-	-	-	-
05-Jun-92	M	-	Calf	0	10.4	-	-	-	-	-	-	54.6	-	-	-	-	-	-
05-Jun-92	M	-	Calf	0	6.8	-	-	-	-	-	-	48.3	-	-	-	-	-	-
05-Jun-92	M	-	Calf	0	6.3	-	-	-	-	-	-	45.7	-	-	-	-	-	-
05-Jun-92	M	-	Calf	0	5.9	-	-	-	-	-	-	43.2	-	-	-	-	-	-
05-Jun-92	F	-	Calf	0	6.1	-	-	-	-	-	-	47.0	-	-	-	-	-	-
05-Jun-92	F	-	Calf	0	5.4	-	-	-	-	-	-	41.9	-	-	-	-	-	-
05-Jun-92	M	-	Calf	0	6.3	-	-	-	-	-	-	43.8	-	-	-	-	-	-
05-Jun-92	M	-	Calf	0	7.7	-	-	-	-	-	-	47.0	-	-	-	-	-	-
05-Jun-92	F	-	Calf	0	7.7	-	-	-	-	-	-	49.5	-	-	-	-	-	-
05-Jun-92	M	-	Calf	0	6.5	-	-	-	-	-	-	47.6	-	-	-	-	-	-
05-Jun-92	M	-	Calf	0	6.3	-	-	-	-	-	-	48.3	-	-	-	-	-	-
05-Jun-92	M	-	Calf	0	8.1	-	-	-	-	-	-	54.6	-	-	-	-	-	-
05-Jun-92	F	-	Calf	0	7.7	-	-	-	-	-	-	45.7	-	-	-	-	-	-
20-Jun-92	F	Yes	Adult	5	-	191.0	-	55.5	-	-	-	113.0	-	113.0	102.5	-	48.0	-
20-Jun-92	M	-	Adult	6	-	200.0	-	56.5	-	-	-	127.0	110.0	121.0	84.0	94.0	52.0	-
03-Jun-93	M	-	Calf	0	12.0	89.0	-	37.0	-	-	-	53.5	-	61.0	-	-	-	-
03-Jun-93	M	-	Calf	0	9.1	90.0	-	37.0	-	-	-	48.0	-	67.0	-	-	-	-
03-Jun-93	F	-	Calf	0	8.2	83.5	-	35.0	-	-	-	43.0	-	59.0	-	-	-	-
03-Jun-93	M	-	Calf	0	9.4	77.5	-	32.5	-	-	-	47.0	-	57.5	-	-	-	-
03-Jun-93	M	-	Calf	0	8.3	84.5	-	39.0	-	-	-	48.5	-	65.0	-	-	-	-
03-Jun-93	F	-	Calf	0	8.1	86.0	-	34.0	-	-	-	44.5	-	60.5	-	-	-	-
03-Jun-93	F	-	Calf	0	6.7	73.5	-	34.0	-	-	-	43.5	-	62.0	-	-	-	-
04-Jun-93	F	-	Calf	0	7.5	85.0	-	34.5	-	-	-	43.5	-	56.0	-	-	-	-
04-Jun-93	M	-	Calf	0	7.4	81.0	-	34.0	-	-	-	43.0	-	56.0	-	-	-	-
04-Jun-93	F	-	Calf	0	6.7	80.0	-	33.0	-	-	-	41.0	-	55.0	-	-	-	-
04-Jun-93	F	-	Calf	0	11.0	92.5	-	36.0	-	-	-	49.5	-	58.0	-	-	-	-
04-Jun-93	F	-	Calf	0	11.2	90.5	-	37.0	-	-	-	47.0	-	56.0	-	-	-	-
04-Jun-93	M	-	Calf	0	6.6	82.5	-	32.5	-	-	-	43.0	-	59.0	-	-	-	-
04-Jun-93	F	-	Calf	0	9.9	81.0	-	35.0	-	-	-	49.0	-	56.0	-	-	-	-
05-Jun-93	M	-	Calf	0	6.9	79.0	-	34.0	-	-	-	43.5	-	65.5	-	-	-	-
05-Jun-93	F	-	Calf	0	8.9	89.5	-	35.5	-	-	-	45.0	-	62.0	-	-	-	-
05-Jun-93	M	-	Calf	0	9.0	78.0	-	34.5	-	-	-	43.5	-	56.0	-	-	-	-
24-Apr-94	F	-	Adult	-	73.0	168.0	40.0	53.8	-	-	-	108.0	106.7	111.2	90.0	98.8	-	-
24-Apr-94	F	-	Adult	8	95.0	183.8	43.8	56.2	-	-	-	107.5	112.5	121.2	106.9	114.0	-	-
24-Apr-94	F	-	Adult	4	92.0	180.0	40.0	53.8	-	-	42.5	118.8	110.0	117.5	93.8	103.8	-	-
25-Apr-94	F	-	Adult	3	87.0	169.4	41.2	54.4	-	-	40.0	103.1	105.0	112.5	101.2	109.4	-	-
25-Apr-94	F	-	Adult	6	90.0	171.2	41.9	52.5	-	-	35.0	105.6	111.2	118.1	101.2	110.0	-	-
25-Apr-94	F	-	Adult	3	113.0	186.3	45.3	58.8	-	-	43.8	115.0	113.8	123.1	106.2	115.0	-	-
25-Apr-94	M	-	Adult	3	86.0	170.0	41.2	53.8	-	-	40.0	107.5	106.2	115.0	96.2	102.5	-	-
25-Apr-94	F	-	Adult	3	97.5	178.8	41.2	53.8	-	-	38.8	110.0	113.8	121.2	98.8	106.9	-	-
25-Apr-94	F	-	Adult	5	107.0	185.0	45.6	58.1	-	-	42.5	108.8	110.0	121.2	105.0	115.0	-	-
25-Apr-94	F	-	Adult	3	75.0	165.6	41.2	54.4	-	-	38.8	108.8	106.2	115.0	92.5	100.0	-	-

Table 4C-11 (con'd). Morphology data for captured or deceased caribou from the Middle Ridge herd, 1982 - 1996. Estimated weights are listed in italics. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Calf/ udder present	Cohort	Age	Weight (kg)	Length (cm)						Heart Girth (cm)	Shoulder height (cm)				Neck circ. (cm.)	Inter-Orbital Width (cm)
						Body	Hind Foot		Tail	Ear	Head		1	2	3	4		
							a	b										
25-Apr-94	F	-	Adult	4	80.0	177.5	41.2	52.5	-	-	43.8	102.5	105.0	116.9	96.2	105.6	-	-
26-Apr-94	F	-	Adult	9	108.0	193.8	44.4	56.2	-	-	43.8	115.0	116.2	125.6	106.2	115.6	-	-
26-Apr-94	F	-	Adult	3	97.0	183.8	42.5	54.4	-	-	43.8	113.8	107.5	115.0	94.0	103.8	-	-
26-Apr-94	F	-	Adult	3	82.0	166.2	43.8	56.2	-	-	40.0	105.0	106.2	114.4	93.8	102.5	-	-
26-Apr-94	F	-	Adult	4	87.0	187.5	43.8	55.0	-	-	41.2	115.0	106.2	113.8	101.2	108.8	-	-
26-Apr-94	F	-	Adult	7	81.0	175.0	43.1	55.0	-	-	40.0	112.5	110.0	118.8	105.0	113.8	-	-
26-Apr-94	F	-	Adult	14	93.0	183.8	40.6	53.8	-	-	42.5	106.2	111.9	118.8	103.8	111.2	-	-
26-Apr-94	F	-	Adult	8.0	92.0	182.5	43.1	55.0	-	-	37.5	107.5	108.1	115.6	100.0	107.5	-	-
26-Apr-94	F	-	Adult	5.0	95.0	175.6	43.8	55.0	-	-	42.5	107.5	111.2	120.6	100.0	108.9	-	-
26-Apr-94	F	-	Adult	5	82.0	180.6	42.5	55.0	-	-	41.2	115.0	109.4	116.9	97.5	106.2	-	-
29-May-94	M	-	Calf	0	6.2	88.0	-	36.0	-	-	-	46.5	-	60.5	-	-	-	-
29-May-94	F	-	Calf	0	8.8	81.5	-	35.0	-	-	-	45.5	-	64.5	-	-	-	-
29-May-94	F	-	Calf	0	8.2	84.0	-	35.5	-	-	-	42.5	-	62.5	-	-	-	-
29-May-94	F	-	Calf	0	6.5	80.0	-	33.0	-	-	-	44.5	-	65.0	-	-	-	-
30-May-94	F	-	Calf	0	6.5	81.0	-	33.0	-	-	-	43.5	-	60.5	-	-	-	-
30-May-94	F	-	Calf	0	8.0	82.0	-	34.0	-	-	-	42.5	-	60.5	-	-	-	-
30-May-94	M	-	Calf	0	9.5	90.5	-	36.0	-	-	-	47.5	-	60.5	-	-	-	-
30-May-94	F	-	Calf	0	8.1	80.5	-	33.0	-	-	-	45.5	-	61.0	-	-	-	-
30-May-94	M	-	Calf	0	7.2	79.5	-	34.0	-	-	-	41.0	-	60.5	-	-	-	-
30-May-94	F	-	Calf	0	8.9	83.5	-	35.0	-	-	-	46.5	-	60.0	-	-	-	-
30-May-94	F	-	Calf	0	6.6	81.5	-	34.0	-	-	-	44.5	-	61.0	-	-	-	-
30-May-94	M	-	Calf	0	10.0	89.5	-	36.0	-	-	-	46.0	-	66.0	-	-	-	-
30-May-94	M	-	Calf	0	9.2	85.0	-	36.5	-	-	-	46.0	-	66.0	-	-	-	-
30-May-94	M	-	Calf	0	8.4	80.0	-	35.0	-	-	-	43.0	-	61.0	-	-	-	-
30-May-94	F	-	Calf	0	8.7	86.0	-	35.0	-	-	-	43.5	-	62.5	-	-	-	-
30-May-94	M	-	Calf	0	7.5	83.0	-	35.0	-	-	-	44.8	-	61.5	-	-	-	-
31-May-94	M	-	Calf	0	8.3	79.0	-	34.0	-	-	-	44.0	-	60.0	-	-	-	-
31-May-94	F	-	Calf	0	8.2	82.5	-	34.0	-	-	-	43.5	-	61.5	-	-	-	-
31-May-94	F	-	Calf	0	7.3	82.5	-	34.5	-	-	-	43.0	-	62.0	-	-	-	-
31-May-94	F	-	Calf	0	8.3	79.0	-	35.0	-	-	-	43.0	-	62.0	-	-	-	-
31-May-94	M	-	Calf	0	9.6	85.0	-	34.5	-	-	-	47.0	-	62.5	-	-	-	-
31-May-94	M	-	Calf	0	9.3	83.0	-	33.5	-	-	-	44.0	-	67.0	-	-	-	-
31-May-94	M	-	Calf	0	10.6	84.0	-	36.5	-	-	-	48.0	-	67.5	-	-	-	-
02-Jun-94	M	-	Calf	0	8.9	83.0	-	35.0	-	-	-	42.5	-	63.0	-	-	-	-
02-Jun-94	M	-	Calf	0	9.6	88.0	-	35.0	-	-	-	44.0	-	69.0	-	-	-	-
30-Jun-94	M	-	Calf	0	9.0	84.5	-	35.0	-	-	-	41.0	-	62.0	-	-	-	-
28-May-95	M	-	Calf	0	6.3	74.0	-	31.0	-	-	-	40.0	-	56.5	-	-	-	-
28-May-95	M	-	Calf	0	8.9	88.0	-	36.0	-	-	-	44.0	-	64.5	-	-	-	-
29-May-95	F	-	Calf	0	9.3	79.0	-	35.5	-	-	-	45.0	-	65.5	-	-	-	-
29-May-95	M	-	Calf	0	7.1	77.0	-	32.5	-	-	-	39.0	-	56.5	-	-	-	-
29-May-95	M	-	Calf	0	7.7	78.0	-	35.0	-	-	-	43.0	-	62.5	-	-	-	-
30-May-95	M	-	Calf	0	7.2	76.0	-	32.5	-	-	-	39.5	-	55.0	-	-	-	-
30-May-95	M	-	Calf	0	9.7	78.0	-	34.0	-	-	-	43.5	-	63.5	-	-	-	-
30-May-95	M	-	Calf	0	9.6	82.0	-	35.0	-	-	-	43.5	-	68.0	-	-	-	-
31-May-96	M	-	Calf	0	9.9	88.0	-	35.5	-	-	-	46.5	-	66.0	-	-	-	-

Table 4C-11 (con'd). Morphology data for captured or deceased caribou from the Middle Ridge herd, 1982 - 1996. Estimated weights are listed in italics. Hind foot length was measured from a) the tuber calcis to the distal tip of the dew claw and b) the tuber calcis to the distal tip of the hoof. Shoulder height was measured from 1) the tip of the spinous process to the distal tip of the dew claw, 2) the tip of the spinous process to the distal tip of the hoof, 3) the tip of the scapula to the distal tip of the dew claw and 4) the tip of the scapula to the distal tip of the hoof.

Date	Sex	Calf/ udder present	Cohort	Age	Weight (kg)	Length (cm)						Heart Girth (cm)	Shoulder height (cm)				Neck circ. (cm.)	Inter-Orbital Width (cm)
						Body	Hind Foot		Tail	Ear	Head		1	2	3	4		
							a	b										
31-May-96	M	-	Calf	0	7.2	75.0	-	34.0	-	-	-	41.0	-	66.5	-	-	-	-
31-May-96	F	-	Calf	0	7.9	78.0	-	33.0	-	-	-	44.5	-	62.5	-	-	-	-
31-May-96	F	-	Calf	0	9.6	89.0	-	38.0	-	-	-	47.0	-	69.0	-	-	-	-
31-May-96	F	-	Calf	0	9.8	90.0	-	34.0	-	-	-	48.0	-	69.5	-	-	-	-
31-May-96	M	-	Calf	0	10.7	96.0	-	35.0	-	-	-	47.5	-	65.0	-	-	-	-
31-May-96	F	-	Calf	0	7.3	87.5	-	33.5	-	-	-	39.5	-	60.5	-	-	-	-
31-May-96	F	-	Calf	0	6.3	73.5	-	30.5	-	-	-	39.5	-	56.0	-	-	-	-
31-May-96	M	-	Calf	0	10.1	88.5	-	35.0	-	-	-	46.5	-	69.0	-	-	-	-
31-May-96	M	-	Calf	0	7.8	80.0	-	33.5	-	-	-	43.0	-	61.5	-	-	-	-
31-May-96	M	-	Calf	0	8.4	89.0	-	35.0	-	-	-	45.5	-	69.0	-	-	-	-
31-May-96	M	-	Calf	0	10.1	93.0	-	36.5	-	-	-	44.5	-	71.0	-	-	-	-
31-May-96	M	-	Calf	0	8.3	83.0	-	32.0	-	-	-	41.5	-	65.0	-	-	-	-
01-Jun-96	F	-	Calf	0	8.6	88.0	-	36.0	-	-	-	44.5	-	70.0	-	-	-	-
01-Jun-96	F	-	Calf	0	7.6	82.0	-	33.0	-	-	-	41.0	-	67.0	-	-	-	-
01-Jun-96	F	-	Calf	0	6.6	80.0	-	33.0	-	-	-	39.0	-	59.5	-	-	-	-
01-Jun-96	F	-	Calf	0	7.6	83.5	-	32.5	-	-	-	44.0	-	58.0	-	-	-	-
02-Jun-96	F	-	Calf	0	8.4	89.0	-	35.0	-	-	-	44.5	-	65.5	-	-	-	-
02-Jun-96	M	-	Calf	0	7.0	77.0	-	33.0	-	-	-	42.0	-	62.0	-	-	-	-
02-Jun-96	M	-	Calf	0	9.4	87.0	-	35.0	-	-	-	45.5	-	64.5	-	-	-	-
02-Jun-96	F	-	Calf	0	10.1	87.5	-	35.0	-	-	-	47.5	-	65.0	-	-	-	-
02-Jun-96	M	-	Calf	0	10.3	91.0	-	37.0	-	-	-	46.5	-	73.0	-	-	-	-
02-Jun-96	F	-	Calf	0	6.3	83.5	-	31.5	-	-	-	36.0	-	59.0	-	-	-	-
02-Jun-96	F	-	Calf	0	8.1	80.0	-	34.0	-	-	-	43.0	-	68.0	-	-	-	-
02-Jun-96	F	-	Calf	0	8.7	80.0	-	34.0	-	-	-	43.0	-	68.0	-	-	-	-

Table 4C-12. Morphology data for captured or deceased caribou from the Mount Peyton herd, 1981 - 1984. Estimated weights are listed in italics.

Date	Sex	Cohort	Age	Weight (kg)
03-Nov-81	F			
12-Oct-83	M	Adult	3	*170*
12-Oct-83	M	Adult	6	*205*
12-Oct-83	M	Adult	3	*160*
05-Oct-84	M			
05-Oct-84	M	Adult	4	*135*

Table 4C-13. Morphology data for captured or deceased caribou from the Northern Peninsula herd, 1981. Shoulder height was measured from the tip of the spinous process to the distal tip of the hoof.

Date	Sex	Calf/Udder Present	Cohort	Weight (kg)	Length (cm)	Heart Girth (cm)	Shoulder Height (cm)
					Body		
03-Jun-81	F	No	Adult	115.0	185.4	129.5	119.4
13-Jun-81	F	Yes	Adult	112.0	177.8	116.8	121.9
13-Jun-81	F	Yes	Adult	120.0	186.7	124.5	111.8
13-Jun-81	F	Yes	Adult	110.0	198.1	114.3	116.8
13-Jun-81	F	Yes	Adult	-	193.0	119.4	142.2
13-Jun-81	F	Yes	Adult	-	193.0	114.3	119.4
14-Jun-81	F	No	Adult	-	167.6	111.8	116.8
14-Jun-81	F	Yes	Adult	-	172.7	109.2	119.4
14-Jun-81	F	Yes	Adult	-	195.6	111.8	111.8
14-Jun-81	F	Yes	Adult	-	170.2	119.4	106.7
14-Jun-81	F	Yes	Adult	-	182.9	119.4	120.7

Table 4C-14. Morphology data for captured or deceased caribou from the Pot Hill herd, 1981- 1982. Hind foot length was measured from the tuber calcis to the distal tip of the hoof. Shoulder height was measured from the tip of the spinous process to the distal tip of the hoof.

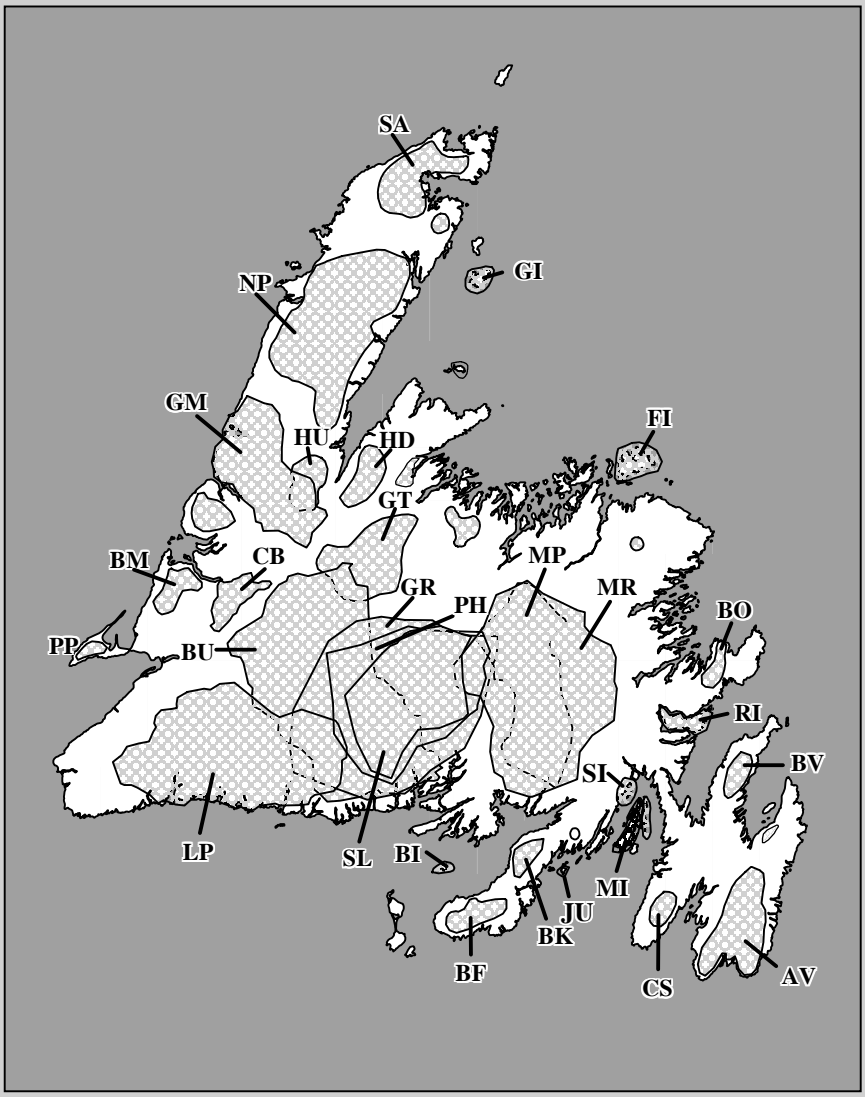
Date	Sex	Cohort	Age	Weight (kg)	Length (cm)		Heart Girth (cm)	Shoulder Height (cm)
					Body	Hind Foot		
1981	F	Calf	0	6.3	81.3	34.3	52.1	62.2
1981	M	Calf	0	10.4	86.4	36.2	48.3	61.0
1981	F	Calf	0	8.1	78.7	34.3	48.3	62.2
1981	M	Calf	0	8.6	78.7	36.8	35.6	61.0
1982	M	Calf	0	14.4	96.5	39.4	52.1	66.0
1982	M	Calf	0	9.9	88.9	36.8	40.6	63.5
1982	F	Calf	0	11.3	86.4	36.8	46.4	66.0
1982	F	Calf	0	12.2	87.6	36.8	49.5	62.2
1982	F	Calf	0	11.3	90.2	35.6	47.0	58.4
1982	M	Calf	0	15.3	96.5	39.4	50.8	67.3
1982	M	Calf	0	12.6	94.0	36.8	50.8	69.9
1982	F	Calf	0	13.1	96.5	34.3	53.6	62.2
1982	M	Calf	0	14.9	106.7	39.4	55.9	72.4
1982	M	Calf	0	12.2	95.3	36.8	48.3	66.0

Table 4C-15. Morphology data for captured or deceased caribou from the Sandy Lake herd, 1982. Hind foot length was measured from the tuber calcis to the distal tip of the hoof. Shoulder height was measured from the tip of the spinous process to the distal tip of the hoof.

Date	Sex	Cohort	Age	Weight (kg)	Length (cm)		Heart Girth (cm)	Shoulder Height (cm)
					Body	Hind Foot		
1982	F	Calf	0	7.2	81.3	34.3	45.7	52.1
1982	F	Calf	0	7.7	86.4	36.8	49.5	62.2
1982	M	Calf	0	7.0	73.7	34.3	43.2	50.8
1982	F	Calf	0	8.3	83.8	33.0	48.3	63.5
1982	F	Calf	0	8.3	83.8	33.0	47.0	49.5
1982	M	Calf	0	12.2	94.0	38.1	55.9	64.8
1982	F	Calf	0	8.1	88.9	35.6	45.7	62.2
1982	M	Calf	0	9.0	91.4	35.6	44.5	61.0
1982	M	Calf	0	9.5	81.3	35.6	47.0	53.3
1982	F	Calf	0	9.0	86.4	36.8	48.3	61.0
1982	F	Calf	0	9.4	79.0	42.9	42.9	58.2
1982	M	Calf	0	11.4	77.0	46.0	49.5	66.0
1982	F	Calf	0	14.9	98.0	40.1	58.9	68.1
1982	F	Calf	0	12.9	85.1	36.1	40.1	70.1
1982	F	Calf	0	9.4	75.2	36.1	47.0	56.1
1982	F	Calf	0	9.9	81.0	35.1	47.0	63.0
1982	F	Calf	0	9.9	80.0	36.1	47.0	65.0
1982	F	Calf	0	8.9	75.2	34.5	45.0	62.0
1982	M	Calf	0	11.9	84.1	37.1	49.0	68.8
1982	M	Calf	0	9.4	82.0	36.1	46.0	67.1
1982	M	Calf	0	-	75.9	33.0	46.0	51.1

Section 4D:

Body Condition Data for Insular Newfoundland Caribou Herds, 1977 - 1996.



Caribou Herds

Avalon (AV)
Bay de Verde (BV)
Blow Me Down Mtn (BM)
Bonavista (BO)
Brunette Island (BI)
Burin Foot (BF)
Burin Knee (BK)
Buchans (BU)
Cape Shore (CS)
Corner Brook Lakes (CB)
Fogo Island (FI)
Gaff Topsails (GT)
Grey Islands (GI)
Grey River (GR)
Gros Morne (GM)
Hampden Downs (HD)
Humber (HU)
Jude Island (JI)
La Poile (LP)
Merasheen Island (MI)
Middle Ridge (MR)
Mount Peyton (MP)
Northern Peninsula (NP)
Port au Port (PP)
Pot Hill (PH)
Random Island (RI)
Sandy Lake (SL)
Sound Island (SI)
St. Anthony (SA)

Table 4D-1. Body condition of sacrificed or hunter killed caribou from the Grey Islands herd, 1977-1992.

Date	Sex	Weight (kg)	Antlered	Points		Collected		Age (years)		Length (mm)			Parasites	
				Left	Right	Jaw	Tooth	Cementum	Wear Class	Jaw	Diastema	Molar Row	Warble Flies	NoseBot Flies
05-May-77	M	158.6	-	-	-	No	Yes	5	-	-	-	-	-	-
05-May-77	M	172.7	-	-	-	No	Yes	-	-	-	-	-	-	-
05-May-77	M	147.7	-`	-	-	No	Yes	4	-	-	-	-	-	-
05-May-77	M	129.6	-	-	-	No	Yes	5	-	-	-	-	-	-
06-May-77	F	100.0	-	-	-	No	Yes	1	-	-	-	-	-	-
20-May-77	M	152.3	-	-	-	No	Yes	10	-	-	-	-	-	-
28-Apr-92	F	-	Yes	2	3	Yes	Yes	7	5	268	93	93	1	82
28-Apr-92	M	86.4	Yes	-	5	No	Yes	2	2	275	92	105	86	30
29-Apr-92	F	91.4	Yes	2	3	Yes	Yes	9	12	281	96	103	73	22
29-Apr-92	F	66.6	Yes	3	-	Yes	Yes	3	3	-	86	105	208	37
29-Apr-92	F	99.9	Yes	5	5	Yes	Yes	6	7	-	94	109	62	35
29-Apr-92	M	80.1	Yes	3	7	Yes	Yes	2	2	260	90	102	178	68
29-Apr-92	F	99.9	Yes	5	4	Yes	Yes	10	11	-	111	113	72	132
29-Apr-92	F	95.4	Yes	4	3	Yes	Yes	5	6	-	93	105	41	41
30-Apr-92	M	69.3	Yes	3	3	No	Yes	2	1	-	83	-	42	-
30-Apr-92	M	62.6	Yes	-	2	Yes	Yes	2	1	246	87	-	83	67

Date	Sex	Fetus		Specimens Collected						
		Collected	Sex	Kidney	Muscle	Leg Bone	Liver	Rumen	Faeces	Whole Blood
05-May-77	M	-	-	-	-	-	-	-	-	-
05-May-77	M	-	-	-	-	-	-	-	-	-
05-May-77	M	-	-	-	-	-	-	-	-	-
05-May-77	M	-	-	-	-	-	-	-	-	-
06-May-77	F	-	-	-	-	-	-	-	-	-
20-May-77	M	-	-	-	-	-	-	-	-	-
28-Apr-92	F	No	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes
28-Apr-92	M	-	-	-	-	-	-	Yes	Yes	Yes
29-Apr-92	F	Yes	F	Yes	Yes	Yes	Yes	Yes	Yes	Yes
29-Apr-92	F	No	-	Yes	No	No	Yes	Yes	Yes	Yes
29-Apr-92	F	Yes	F	Yes	Yes	Yes	Yes	Yes	Yes	Yes
29-Apr-92	M	-	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes
29-Apr-92	F	Yes	F	Yes	-	-	Yes	Yes	Yes	Yes
29-Apr-92	F	Yes	M	Yes	Yes	Yes	Yes	-	Yes	Yes
30-Apr-92	M	-	-	-	-	-	-	-	-	-
30-Apr-92	M	-	-	Yes	Yes	-	Yes	Yes	Yes	Yes

Table 4D-1 (con'd). Body condition of sacrificed or hunter killed caribou from the Grey Islands herd, 1977-1992

Date	Sex	Fat Measurements			Blood Parameters								
		Back	Marrow (%)		Protein	Albumin	Bilirubin	Urea	Cholesterol	Phosphorus	Calcium	Glucose	SGOT
		(mm)	Long Bone	Mandible	(g/L)	(g/L)	(umol/L)						(u/L)
05-May-77	M	-	-	-	-	-	-	-	-	-	-	-	-
05-May-77	M	-	-	-	-	-	-	-	-	-	-	-	-
05-May-77	M	-	-	-	-	-	-	-	-	-	-	-	-
05-May-77	M	-	-	-	-	-	-	-	-	-	-	-	-
06-May-77	F	-	-	-	-	-	-	-	-	-	-	-	-
20-May-77	M	-	-	-	-	-	-	-	-	-	-	-	-
28-Apr-92	F	-	87.0	60.0	67	28	0	0.71	1.08	2.91	2.60	10.44	81
28-Apr-92	M	Nil	78.6	27.5	100	35	5	1.08	1.01	5.10	3.40	10.65	54
29-Apr-92	F	Nil	83.3	63.0	61	26	0	0.48	0.78	3.49	2.88	24.48	65
29-Apr-92	F	Trace	86.6	54.5	53	24	0	0.54	0.84	3.10	2.47	8.42	60
29-Apr-92	F	Nil	-	9.7	82	30	3	1.03	0.84	3.41	2.62	7.89	121
29-Apr-92	M	Nil	78.7	26.6	64	25	0	0.88	0.91	3.34	2.70	17.42	51
29-Apr-92	F	Nil	84.4	59.1	64	24	0	0.45	0.80	3.48	2.50	9.43	41
29-Apr-92	F	Nil	88.1	56.5	62	28	0	0.60	0.86	3.08	2.61	12.44	52
30-Apr-92	M	-	64.8	25.9	-	-	-	-	-	-	-	-	-
30-Apr-92	M	Nil	74.4	30.1	67	30	2	0.68	1.16	3.68	2.61	12.69	46

Table 4D-2. Body condition of sacrificed or hunter killed caribou from the Grey River herd, 1994.

Date	Sex	Weight (kg)		Antlered	Points		Collected		Age (years)		Length (mm)			Head	Parasites	
		Whole	Eviserated		Left	Right	Jaw	Tooth	Cementum	Wear Class	Jaw	Diastema	Molar Row	Circ. (cm)	Warble Flies	NoseBot Flies
12-Dec-94	F	100.0	70.0	No	-	-	Y	Y	9	12	270	90	90	61	0	0
12-Dec-94	M	116.0	88.0	Yes	0	3	Y	Y	5	3	279	97	93	62	6	0
12-Dec-94	M	112.0	89.0	No	-	-	Y	Y	5	7	283	101	90	63	3	0
12-Dec-94	F	105.0	75.0	No	-	-	Y	Y	5	8	276	92	95	58	0	0
13-Dec-94	F	124.0	95.0	No	-	-	Y	Y	6	6	291	105	93	68	65	0
13-Dec-94	F	90.0	68.0	No	-	-	Y	Y	7	10	276	90	91	57	0	0
13-Dec-94	F	82.0	62.0	No	-	-	Y	Y	3	2	249	83	92	51	0	0
13-Dec-94	M	145.0	104.0	Yes	-	-	Y	Y	6	10	288	100	99	65	2	2
13-Dec-94	F	91.0	67.0	No	-	-	Y	Y	3	6	258	88	94	58	0	0
13-Dec-94	F	94.0	74.0	No	-	-	Y	Y	3	6	267	85	99	65	0	0
13-Dec-94	F	104.0	76.0	Yes	0	2	Y	Y	10	10	273	93	96	63	0	0
14-Dec-94	F	111.0	81.0	No	-	-	Y	Y	5	7	265	93	94	60	0	0
14-Dec-94	F	98.0	74.0	No	-	-	Y	Y	4	9	279	95	101	63	0	0
14-Dec-94	F	105.0	73.0	No	-	-	Y	Y	6	10	266	95	90	59	0	0
14-Dec-94	F	89.0	66.0	No	-	-	Y	Y	10	10	267	91	97	-	6	0
14-Dec-94	M	94.0	74.0	Yes	2	0	Y	Y	3	2	266	89	89	63	2	0
15-Dec-94	F	108.0	80.0	No	-	-	Y	Y	8	10	-	-	-	58	0	0
15-Dec-94	F	98.0	77.0	No	-	-	Y	Y	3	3	261	87	96	62	0	0
25-Dec-94	F	107.0	78.0	No	-	-	Y	Y	8	12	272	95	95	63	0	0
25-Dec-94	F	84.0	66.0	No	-	-	Y	Y	2	2	247	84	91	59	0	0

Date	Sex	Specimens Collected							
		Fetus	Reproductive	Kidney	Leg Bone	Rumen	Faeces	Serum	Whole
12-Dec-94	F	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
12-Dec-94	M	-	-	Yes	Yes	Yes	Yes	Yes	Yes
12-Dec-94	M	-	-	Yes	Yes	Yes	Yes	Yes	Yes
12-Dec-94	F	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
13-Dec-94	F	-	-	Yes	Yes	Yes	Yes	No	Yes
13-Dec-94	F	No	Yes	Yes	Yes	Yes	Yes	Yes	No
13-Dec-94	F	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
13-Dec-94	M	-	-	Yes	Yes	Yes	Yes	Yes	Yes
13-Dec-94	F	-	Yes	Yes	Yes	Yes	Yes	Yes	No
13-Dec-94	F	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
13-Dec-94	F	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
14-Dec-94	F	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
14-Dec-94	F	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
14-Dec-94	F	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
14-Dec-94	F	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
14-Dec-94	M	-	-	Yes	Yes	Yes	Yes	Yes	Yes
15-Dec-94	F	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
15-Dec-94	F	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
25-Dec-94	F	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
25-Dec-94	F	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Table 4D-2 (con'd). Body condition of sacrificed or hunter killed caribou from the Grey River herd, 1994.

Date	Sex	Fat Measurements						Blood Parameters						
		Back	Mesenteric	Perirenal	Kidney Fat	Marrow (%)		Protein	Bilirubin	Urea	Cholesterol	Phosphorus	Calcium	Glucose
		(mm)	(kg)	(g/kidney)	Index (%)	Long	Mandible	(g/L)	(umol/L)					
12-Dec-94	F	50	1.1	51.6	52.7	91.5	63.6	120	8	1.49	0.62	2.09	2.33	7.89
12-Dec-94	M	nil	0.6	19.4	17.7	92.2	68.8	62	1	1.35	0.71	1.29	2.08	5.34
12-Dec-94	M	45	1.6	63.8	71.3	94.4	70.9	53	0	0.73	0.75	0.88	1.50	4.59
12-Dec-94	F	45	0.8	46.0	51.8	88.8	52.8	84	4	1.12	0.82	2.09	2.56	6.38
13-Dec-94	F	nil	0.2	28.0	22.6	76.6	59.4	64	0	1.30	0.61	1.31	2.19	4.75
13-Dec-94	F	nil	1.1	43.6	47.7	89.9	63.0	-	-	-	-	-	-	-
13-Dec-94	F	10	1.0	48.8	68.4	90.7	63.9	108	6	1.40	0.86	1.89	2.63	7.56
13-Dec-94	M	nil	0.4	36.6	33.5	92.9	64.0	63	0	1.57	0.51	1.67	1.92	4.40
13-Dec-94	F	nil	1.1	55.5	73.3	91.7	67.1	-	39	3.20	0.68	-	2.24	4.40
13-Dec-94	F	40	1.6	49.2	80.8	87.8	64.7	89	4	1.57	0.88	2.08	2.46	4.50
13-Dec-94	F	3	0.9	32.4	33.4	90.3	65.4	70	2	2.00	0.63	1.66	2.16	4.91
14-Dec-94	F	10	1.0	49.3	62.4	93.7	61.8	-	4	0.53	0.54	-	1.98	3.65
14-Dec-94	F	38	1.8	66.8	73.9	91.2	70.8	-	4	1.15	0.64	-	2.13	4.19
14-Dec-94	F	30	0.8	55.6	63.0	91.6	78.2	61	0	0.75	0.82	1.51	2.30	4.88
14-Dec-94	F	nil	0.1	22.0	20.9	44.8	48.6	54	0	2.56	0.44	1.02	1.64	5.40
14-Dec-94	M	nil	0.8	41.2	51.1	90.0	65.6	-	9	0.69	0.62	-	2.37	5.37
15-Dec-94	F	33	1.3	42.5	43.6	93.4	-	63	0	0.55	0.54	1.55	2.13	4.82
15-Dec-94	F	25	1.1	46.9	60.9	94.0	68.4	64	1	0.67	0.72	1.67	2.40	4.81
25-Dec-94	F	15	1.1	39.5	68.0	92.5	66.2	-	2	0.51	0.77	1.70	2.25	6.26
25-Dec-94	F	18	0.8	33.9	52.6	92.8	69.6	-	5	1.84	0.56	-	2.25	7.24

Date	Sex	Cell differential					
		Neutrophils	Bands	Lymphocytes	Eosinophils	Basophils	Monocytes
12-Dec-94	F	56	-	18	23	3	-
12-Dec-94	M	36	5	27	25	7	-
12-Dec-94	M	35	4	38	20	2	1
12-Dec-94	F	47	-	31	17	3	2
13-Dec-94	F	27	-	32	34	6	1
13-Dec-94	F	-	-	-	-	-	-
13-Dec-94	F	36	-	24	32	7	1
13-Dec-94	M	19	4	37	34	6	-
13-Dec-94	F	-	-	-	-	-	-
13-Dec-94	F	25	1	40	28	2	4
13-Dec-94	F	44	2	23	29	2	-
14-Dec-94	F	-	-	-	-	-	-
14-Dec-94	F	38	-	44	14	4	-
14-Dec-94	F	23	-	38	28	7	4
14-Dec-94	F	48	-	18	24	10	-
14-Dec-94	M	24	-	43	24	7	2
15-Dec-94	F	20	-	47	30	2	1
15-Dec-94	F	27	1	45	22	2	3
25-Dec-94	F	29	-	29	33	6	3
25-Dec-94	F	37	2	43	13	4	1

Table 4D-3. Body condition of sacrificed or hunter killed caribou from the La Poile herd, 1990.

Date	Sex	Weight (kg)	Antlered	Points		Collected		Age (years)	Parasites	
				Left	Right	Jaw	Tooth	Cementum	Warble Flies	NoseBot Flies
30-Jan-90	F	100.0	Yes	0	3	Yes	Yes	7.5	-	-
30-Jan-90	F	95.0	Yes	0	9	Yes	Yes	6.5	-	-
30-Jan-90	F	85.0	Yes	2	1	Yes	Yes	4.5	-	-
30-Jan-90	M	72.0	No	-	-	Yes	Yes	1.5	-	-
31-Jan-90	F	95.0	Yes	2	4	Yes	Yes	6.5	-	-
31-Jan-90	F	85.0	No	-	-	Yes	Yes	5.5	-	-
31-Jan-90	F	88.0	Yes	0	1	Yes	Yes	6.5	-	-
31-Jan-90	F	-	No	-	-	Yes	Yes	8.5	-	-
01-Feb-90	F	80.0	No	-	-	Yes	Yes	8.5	-	-
01-Feb-90	F	99.0	No	-	-	Yes	Yes	12.5	-	-
01-Feb-90	F	72.0	Yes	2	0	Yes	Yes	13.5	-	-
01-Feb-90	M	90.0	Yes	4	6	Yes	Yes	3.5	-	-
01-Feb-90	M	107.0	Yes	10	10	Yes	Yes	3.5	-	-
01-Feb-90	M	71.0	Yes	3	3	Yes	Yes	2.5	-	-
01-Feb-90	M	80.0	Yes	4	1	Yes	Yes	4.5	-	-
02-Apr-90	F	71.0	No	-	-	Yes	Yes	4.5	225	-
02-Apr-90	F	71.0	No	-	-	Yes	Yes	9	-	-
02-Apr-90	F	65.0	No	-	-	Yes	Yes	2.5	63	-
02-Apr-90	F	65.0	No	-	-	Yes	Yes	5	239	20
06-Apr-90	M	105.0	No	-	-	Yes	Yes	4.5	134	-
06-Apr-90	F	89.0	Yes	3	3	Yes	Yes	5.5	47	-
06-Apr-90	F	75.5	Yes	2	2	Yes	Yes	2.5	11	-
06-Apr-90	F	75.0	Yes	1	2	Yes	Yes	5.5	172	-
06-Apr-90	F	76.5	No	-	-	Yes	Yes	4.5	39	-
06-Apr-90	F	70.3	No	-	-	Yes	Yes	2.5	49	-
06-Apr-90	F	84.0	Yes	3	2	Yes	Yes	7.5	69	-
06-Apr-90	F	-	Yes	5	4	Yes	Yes	3.5	10	-

Table 4D-3 (con'd). Body condition of sacrificed or hunter killed caribou from the La Poile herd, 1990.

Date	Sex	Fetus			Specimens Collected									
		Collected	Sex	Weight	Reproductive	Kidney	Muscle	Back	Leg	Liver	Brain	Rumen	Faeces	Whole
30-Jan-90	F	Yes	M	0.3	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
30-Jan-90	F	Yes	-	0.1	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
30-Jan-90	F	Yes	-	0.2	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
30-Jan-90	M	-	-	-	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
31-Jan-90	F	Yes	M	0.2	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
31-Jan-90	F	Yes	F	0.4	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
31-Jan-90	F	Yes	M	0.3	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
31-Jan-90	F	Yes	M	0.4	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
01-Feb-90	F	Yes	F	0.3	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
01-Feb-90	F	Yes	F	0.3	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
01-Feb-90	F	Yes	F	0.2	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
01-Feb-90	M	-	-	-	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
01-Feb-90	M	-	-	-	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
01-Feb-90	M	-	-	-	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
01-Feb-90	M	-	-	-	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
02-Apr-90	F	Yes	M	1.5	-	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
02-Apr-90	F	Yes	F	1.6	-	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes
02-Apr-90	F	-	-	-	Yes	Yes	No	Yes	No	No	Yes	Yes	Yes	Yes
02-Apr-90	F	-	-	-	Yes	Yes	No	Yes	No	No	Yes	Yes	Yes	Yes
06-Apr-90	M	-	-	-	-	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes
06-Apr-90	F	Yes	F	2.1	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes
06-Apr-90	F	Yes	F	2.1	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes
06-Apr-90	F	Yes	M	1.6	Yes	Yes	No	Yes	No	No	Yes	Yes	Yes	Yes
06-Apr-90	F	-	-	-	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes
06-Apr-90	F	Yes	M	2.2	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes
06-Apr-90	F	Yes	M	1.8	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes
06-Apr-90	F	Yes	M	1.9	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes

Table 4D-3 (con'd). Body condition of sacrificed or hunter killed caribou from the La Poile herd, 1990.

Date	Sex	Fat Measurements			Blood Parameters		
		Back (mm)	Mesenteric (kg)	Kidney (g)	Protein (g/L)	Urea (mmol/L)	Cholesterol (mmol/L)
30-Jan-90	F	1.0	0.245	33	-	-	-
30-Jan-90	F	9.0	0.500	28	-	-	-
30-Jan-90	F	3.0	0.500	30	-	-	-
30-Jan-90	M	Nil	0.250	21	-	-	-
31-Jan-90	F	<1.0	0.380	23	-	-	-
31-Jan-90	F	1.0	0.510	39	-	-	-
31-Jan-90	F	10.0	0.520	41	-	-	-
31-Jan-90	F	<1.0	-	23	-	-	-
01-Feb-90	F	<1.0	-	25	-	-	-
01-Feb-90	F	3.0	0.700	45	-	-	-
01-Feb-90	F	1.0	0.510	20	-	-	-
01-Feb-90	M	<1.0	-	8	-	-	-
01-Feb-90	M	<1.0	0.350	14	-	-	-
01-Feb-90	M	2.5	0.150	15	-	-	-
01-Feb-90	M	<1.0	0.150	15	-	-	-
02-Apr-90	F	Nil	Nil	8	50	< 2.2	< 1.3
02-Apr-90	F	Nil	-	13	54	< 2.2	< 1.3
02-Apr-90	F	Nil	Nil	13	53	< 2.2	< 1.3
02-Apr-90	F	Nil	Nil	7	54	4	< 1.3
06-Apr-90	M	Nil	0.046	10	43	3	< 1.3
06-Apr-90	F	Nil	0.098	11	< 25	3.1	< 1.3
06-Apr-90	F	Trace	0.095	11	51	2.5	< 1.3
06-Apr-90	F	Nil	0.073	10	55	3.9	< 1.3
06-Apr-90	F	Nil	0.180	2	57	< 2.2	< 1.3
06-Apr-90	F	Nil	0.320	14	64	< 2.2	< 1.3
06-Apr-90	F	Nil	-	14	67	2.7	< 1.3
06-Apr-90	F	Nil	0.077	14	-	-	-

Table 4D-4. Body condition of sacrificed or hunter killed caribou from the Merasheen Island herd, 1993-1998.

Date	Sex	Weight (kg)	Antlered	Points		Collected		Age (years)		Length (mm)			Head Circ. (cm)	Parasites	
				Left	Right	Jaw	Tooth	Cementum	Wear Class	Jaw	Diastema	Molar Row		Warble Flies	NoseBot Flies
04-May-93	F	94.0	Yes	-	-	Yes	Yes	3	-	-	-	-	53.8	19	55
04-May-93	F	100.0	Yes	5	-	Yes	Yes	6	-	-	-	-	56.5	11	0
05-May-93	F	117.0	Yes	2	2	Yes	Yes	7	-	-	-	-	-	4	19
05-May-93	F	96.0	Yes	2	1	Yes	Yes	5	-	-	-	-	-	13	71
05-May-93	F	89.0	No	-	-	Yes	Yes	9	-	-	-	-	54.0	26	30
05-May-93	F	96.0	No	-	-	Yes	Yes	10	-	-	-	-	56.0	96	70
05-May-93	F	92.0	Yes	2	2	Yes	Yes	7	-	-	-	-	52.0	56	27
05-May-93	M	82.5	Yes	2	-	Yes	Yes	2	-	-	-	-	58.0	24	0
06-May-93	F	100.0	No	-	-	Yes	Yes	4	-	-	-	-	61.0	3	0
06-May-93	F	95.0	No	-	-	Yes	Yes	9	-	-	-	-	53.0	21	50
03-Sep-94	M	-	Yes	16	14	Yes	Yes	6	8	305	112	98	-	-	-
03-Sep-94	M	-	Yes	7	7	Yes	Yes	1	1	-	102	-	-	-	-
03-Sep-94	M	-	Yes	12	11	Yes	Yes	6	9	295	114	98	-	-	-
03-Sep-94	M	-	Yes	2	2	Yes	Yes	0	0	253	89	76	-	-	-
03-Sep-94	M	-	Yes	-	-	Yes	Yes	8	10	311	122	95	-	-	-
03-Sep-94	M	-	Yes	7	8	Yes	Yes	2	2	288	100	99	-	-	-
03-Sep-94	F	-	Yes	1	1	Yes	-	-	-	-	-	-	-	-	-
03-Sep-94	M	-	Yes	7	9	Yes	Yes	8	10				-	-	-
03-Sep-94	F	-	No	-	-	Yes	Yes	3	3	268	91	98	-	-	-
03-Sep-94	M	-	Yes	2	2	Yes	-	1	1		82	91	-	-	-
03-Sep-94	F	-	No	-	-	Yes	Yes	10	4	262	92	97	-	-	-
05-Sep-94	M	-	Yes	6	12	Yes	No	-	-	-	-	-	-	-	-
05-Sep-94	M	-	Yes	7	4	Yes	Yes	5	8	305	112	98	-	-	-
05-Sep-94	M	-	Yes	9	8	Yes	Yes	10	14	310	120	97	-	-	-
07-Sep-94	M	-	Yes	15	8	Yes	Yes	9	12	308	112	94	-	-	-
09-Sep-94	F	-	Yes	2	2	Yes	Yes	2	2	274	94	107	-	-	-
09-Sep-94	M	-	Yes	9	12	Yes	Yes	8	12	305	118	99	-	-	-
13-Sep-94	F	-	Yes	3	2	Yes	-	-	-	-	-	-	-	-	-
15-Sep-94	F	-	Yes	-	1	Yes	Yes	4	3	251	85	91	-	-	-
16-Sep-94	M	-	Yes	9	10	No	Yes	8	-	-	-	-	-	-	-
17-Sep-94	F	-	Yes	-	-	-	No	-	-	-	-	-	-	-	-
09-Sep-95	F	-	No	-	-	Yes	Yes	2	2	260	85	99	-	-	-
09-Sep-95	M	-	Yes	8	9	Yes	Yes	6	7-9	306	112	102	-	-	-
09-Sep-95	M	-	Yes	13	6	Yes	Yes	8	4-6	314	115	114	-	-	-
09-Sep-95	F	-	Yes	2	1	Yes	Yes	2	3	244	84	93	-	-	-
09-Sep-95	M	-	Yes	9	12	Yes	Yes	6	-	-	113	-	-	-	-
09-Sep-95	M	-	Yes	0	2	Yes	Yes	17	10+	274	99	95	-	-	-
09-Sep-95	M	-	Yes	4	3	Yes	Yes	4	3	285	103	96	-	-	-
09-Sep-95	M	-	Yes	3	4	Yes	Yes	-	-	-	-	-	-	-	-
09-Sep-95	M	-	Yes	2	3	Yes	Yes	2	2	251	87	97	-	-	-
09-Sep-95	M	-	Yes	5	0	Yes	Yes	8	7-9	124	102	-	-	-	-
09-Sep-95	F	-	Yes	1	1	Yes	Yes	1	1	242	84	-	-	-	-
09-Sep-95	M	-	Yes	8	12	Yes	Yes	3	4-6	305	112	100	-	-	-
12-Sep-95	F	-	Yes	2	1	Yes	Yes	10	7-9	280	106	91	-	-	-
12-Sep-95	M	-	Yes	3	4	Yes	Yes	4	3	263	96	99	-	-	-
13-Sep-95	M	-	Yes	1	1	Yes	Yes	1	1	231	81	74	-	-	-
13-Sep-95	F	-	No	-	-	Yes	Yes	2	2	252	86	-	-	-	-
16-Sep-95	F	-	No	-	-	Yes	Yes	2	2	-	-	99	-	-	-
19-Sep-95	F	-	No	-	-	Yes	Yes	1	1	-	-	-	-	-	-

Table 4D-4 (con'd). Body condition of sacrificed or hunter killed caribou from the Merasheen Island herd, 1993-1998.

Date	Sex	Weight (kg)	Antlered	Points		Collected		Age (years)		Length (mm)			Head Circ. (cm)	Parasites	
				Left	Right	Jaw	Tooth	Cementum	Wear Class	Jaw	Diastema	Molar Row		Warble Flies	NoseBot Flies
22-Sep-95	F	-	No	-	-	Yes	Yes	7	4-6	261	90	94	-	-	-
19-Sep-95	F	-	No	-	-	Yes	Yes	6	4-6	261	94	94	-	-	-
15-Sep-95	F	-	Yes	3	3	Yes	Yes	6	4-6	268	91	96	-	-	-
14-Sep-95	F	-	No	-	-	Yes	Yes	5	4-6	264	90	101	-	-	-
20-Sep-95	F	-	No	-	-	Yes	Yes	2	3	260	89	92	-	-	-
20-Sep-95	F	-	No	-	-	Yes	Yes	0	0	198	-	-	-	-	-
23-Sep-95	M	-	Yes	11	14	Yes	Yes	-	7-9	312	119	98	-	-	-
21-Sep-96	M	-	Yes	9	9	Yes	Yes	1	1	271	97	76	-	-	-
1996	F	-	No	-	-	Yes	Yes	0	0	202	-	-	-	-	-
14-Sep-96	M	-	Yes	12	12	Yes	Yes	9	7-9	316	127	97	-	-	-
14-Sep-96	M	-	Yes	12	13	-	Yes	6	4-6	303	111	103	-	-	-
1996	M	-	Yes	8	9	Yes	Yes	5	4-6	290	109	102	-	-	-
1996	F	-	No	-	-	Yes	Yes	8	4-6	269	92	100	-	-	-
14-Sep-96	F	-	No	-	-	Yes	Yes	1	1	228	82	76	-	-	-
14-Sep-96	F	-	No	-	-	Yes	Yes	3	4-6	-	90	96	-	-	-
14-Sep-96	F	-	Yes	3	3	Yes	Yes	12	10+	275	99	96	-	-	-
14-Sep-96	M	-	Yes	10	12	-	Yes	-	-	-	-	-	-	-	-
15-Sep-96	M	-	Yes	13	12	Yes	Yes	6	4-6	-	114	95	-	-	-
14-Sep-96	M	-	Yes	14	16	Yes	Yes	7	7-9	314	122	98	-	-	-
19-Sep-96	F	-	No	-	-	No	No	-	-	-	-	-	-	-	-
14-Sep-96	M	-	Yes	8	14	Yes	Yes	6	7-9	326	123	101	-	-	-
14-Sep-96	M	-	Yes	4	5	Yes	Yes	3	3	266	90	97	-	-	-
13-Sep-96	M	-	Yes	21	15	Yes	Yes	7	4-6	311	117	109	-	-	-
26-Sep-96	M	-	Yes	4	5	Yes	Yes	3	3		94	94	-	-	-
26-Sep-96	M	-	Yes	10	10	Yes	Yes	4	4-6	299	110	98	-	-	-
27-Sep-96	F	-	Yes	2	4	Yes	Yes	9	7-9	271	99	93	-	-	-
15-Sep-97	M	-	Yes	7	8	Yes	Yes	7	10 +	294	118	91	-	-	-
15-Sep-97	M	-	Yes	11	14	Yes	Yes	8	7 - 9	308	116	100	-	-	-
15-Sep-97	M	-	Yes	7	6	Yes	Yes	6	4 - 6	295	106	104	-	-	-
18-Sep-97	M	-	Yes	15	13	Yes	Yes	10	10 +	323	129	98	-	-	-
Sep-97	M	-	Yes	3	2	Yes	Yes	4	3	295	109	91	-	-	-
15-Sep-97	F	-	Yes	1	1	Yes	Yes	5	7 - 9	271	96	94	-	-	-
13-Sep-97	M	-	Yes	6	11	Yes	Yes	9	10 +	311	129	96	-	-	-
13-Sep-97	M	-	Yes	15	11	Yes	Yes	9	10 +	0	110	102	-	-	-
13-Sep-97	F	-	No	0	0	Yes	Yes	2	2	0	0	0	-	-	-
13-Sep-97	M	-	Yes	3	3	Yes	Yes	1	1	257	0	0	-	-	-
18-Sep-97	M	-	Yes	2	3	Yes	Yes	8	10 +	299	113	94	-	-	-
26-Sep-97	F	-	No	0	0	Yes	Yes	2	2	260	87	0	-	-	-
27-Sep-97	F	-	No	0	0	Yes	Yes	2	2	0	78	0	-	-	-
26-Sep-97	M	-	Yes	2	2	Yes	Yes	1	1	260	0	0	-	-	-
25-Sep-97	F	-	No	0	0	Yes	Yes	3	3	260	91	97	-	-	-
23-Sep-97	M	-	Yes	11	6	Yes	No	-	10 +	313	124	99	-	-	-
1997	M	-	Yes	6	5	Yes	Yes	2	2	-	96	100	-	-	-
12-Sep-98	F	-	Yes	2	2	Yes	Yes	2	2	278	92	100	-	-	-
14-Sep-98	M	-	Yes	6	7	Yes	Yes	-	4-6	-	106	-	-	-	-
14-Sep-98	M	-	Yes	-	-	Yes	Yes	-	4-6	300	108	100	-	-	-
12-Sep-98	F	-	No	-	-	Yes	Yes	0	0	-	-	-	-	-	-
22-Sep-98	M	-	Yes	12	13	Yes	Yes	-	10+	321	123	95	-	-	-
21-Sep-98	M	-	Yes	5	5	Yes	Yes	-	-	-	-	-	-	-	-

Table 4D-4 (con'd). Body condition of sacrificed or hunter killed caribou from the Merasheen Island herd, 1993-1998.

Date	Sex	Weight (kg)	Antlered	Points		Collected		Age (years)		Length (mm)			Head Circ. (cm)	Parasites	
				Left	Right	Jaw	Tooth	Cementum	Wear Class	Jaw	Diastema	Molar Row		Warble Flies	NoseBot Flies
26-Sep-98	F	-	Yes	-	-	Yes	Yes	-	-	-	-	-	-	-	-
18-Sep-98	F	-	Yes	-	-	Yes	-	-	4-6	288	103	100	-	-	-
12-Sep-98	M	-	Yes	12	19	Yes	Yes	8	7-9	303	113	98	-	-	-
12-Sep-98	M	-	Yes	3	3	Yes	Yes	1	1	252			-	-	-
12-Sep-98	M	-	Yes	7	10		Yes	4	4-6	270	101	96	-	-	-
12-Sep-98	F	-	Yes	3	3	Yes	Yes	6	3	263	93	90	-	-	-
12-Sep-98	M	-	Yes	6	6	Yes	Yes	7	7-9	303	117	94	-	-	-
12-Sep-98	M	-	Yes	1	1	Yes	Yes	1	1	247	-	-	-	-	-
12-Sep-98	M	-	Yes	3	4	Yes	Yes	-	-	-	-	-	-	-	-
12-Sep-98	M	-	Yes	-	-	Yes	Yes	5	4-6	308	118	101	-	-	-
12-Sep-98	M	-	Yes	6	6	-	Yes	6	-	-	-	-	-	-	-
12-Sep-98	M	-	Yes	13	5	Yes	Yes	5	3	287	104	95	-	-	-
25-Sep-98	-	-	Yes	6	4	Yes	Yes	2	2	277	89	102	-	-	-

Table 4D-4 (con'd). Body condition of sacrificed or hunter killed caribou from the Merasheen Island herd, 1993-1998.

Date	Sex	Fetus		Specimens Collected								
		Collected	Sex	Reproductive	Kidney	Muscle	Leg Bone	Liver	Brain	Rumen	Faeces	Whole
04-May-93	F	Yes	M	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes
04-May-93	F	Yes	F	No	Yes	-	Yes	Yes	No	Yes	Yes	Yes
05-May-93	F	Yes	F	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
05-May-93	F	Yes	M	Yes	Yes	-	Yes	Yes	No	Yes	Yes	Yes
05-May-93	F	Yes	F	No	Yes	-	Yes	Yes	No	Yes	Yes	Yes
05-May-93	F	-	-	Yes	Yes	-	Yes	Yes	No	Yes	Yes	Yes
05-May-93	F	Yes	M	Yes	Yes	-	Yes	Yes	No	-	Yes	Yes
05-May-93	M	-	-	-	Yes	-	Yes	Yes	No	Yes	Yes	Yes
06-May-93	F	Yes	F	Yes	Yes	-	Yes	Yes	No	Yes	Yes	Yes
06-May-93	F	Yes	M	Yes	Yes	-	Yes	Yes	No	Yes	Yes	Yes
03-Sep-94	M	-	-	-	Yes	-	Yes	-	-	Yes	-	-
03-Sep-94	M	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
03-Sep-94	M	-	-	-	Yes	-	Yes	-	-	-	Yes	-
03-Sep-94	M	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
03-Sep-94	M	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
03-Sep-94	M	-	-	-	Yes	-	Yes	-	-	Yes	-	-
03-Sep-94	F	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
03-Sep-94	M	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
03-Sep-94	F	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
03-Sep-94	M	-	-	-		-	Yes	-	-	Yes	Yes	-
03-Sep-94	F	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
05-Sep-94	M	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
05-Sep-94	M	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
05-Sep-94	M	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
07-Sep-94	M	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
09-Sep-94	F	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
09-Sep-94	M	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
13-Sep-94	F	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
15-Sep-94	F	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
16-Sep-94	M	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
17-Sep-94	F	-	-	-	Yes	-	-	-	-	Yes	Yes	-
09-Sep-95	F	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
09-Sep-95	M	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
09-Sep-95	M	-	-	-	Yes	-	Yes	-	-	-	-	-
09-Sep-95	F	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
09-Sep-95	M	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
09-Sep-95	M	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
09-Sep-95	M	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
09-Sep-95	M	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
09-Sep-95	M	-	-	-	Yes	-	Yes	-	-	Yes	No	-
09-Sep-95	M	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
09-Sep-95	F	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
09-Sep-95	M	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
12-Sep-95	F	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
12-Sep-95	M	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
13-Sep-95	M	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
13-Sep-95	F	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
16-Sep-95	F	-	-	-	-	-	Yes	-	-	Yes	Yes	-
19-Sep-95	F	-	-	-	Yes	-	No	-	-	Yes	Yes	-

Table 4D-4 (con'd). Body condition of sacrificed or hunter killed caribou from the Merasheen Island herd, 1993-1998.

Date	Sex	Fetus		Specimens Collected								
		Collected	Sex	Reproductive	Kidney	Muscle	Leg Bone	Liver	Brain	Rumen	Faeces	Whole
22-Sep-95	F	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
19-Sep-95	F	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
15-Sep-95	F	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
14-Sep-95	F	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
20-Sep-95	F	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
20-Sep-95	F	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
23-Sep-95	M	-	-	-	Yes	-	Yes	-	-	Yes	Yes	-
21-Sep-96	M	-	-	-	-	-	Yes	-	-	Yes	Yes	-
1996	F	-	-	-	-	-	Yes	-	-	Yes	Yes	-
14-Sep-96	M	-	-	-	-	-	Yes	-	-	Yes	Yes	-
14-Sep-96	M	-	-	-	-	-	-	-	-	Yes	Yes	-
1996	M	-	-	-	-	-	Yes	-	-	Yes	Yes	-
1996	F	-	-	-	-	-	-	-	-	Yes	Yes	-
14-Sep-96	F	-	-	-	-	-	Yes	-	-	Yes	Yes	-
14-Sep-96	F	-	-	-	-	-	-	-	-	-	No	-
14-Sep-96	F	-	-	-	-	-	-	-	-	Yes	Yes	-
14-Sep-96	M	-	-	-	-	-	-	-	-	Yes	Yes	-
15-Sep-96	M	-	-	-	-	-	-	-	-	-	-	-
14-Sep-96	M	-	-	-	-	-	-	-	-	Yes	Yes	-
19-Sep-96	F	-	-	-	-	-	Yes	-	-	Yes	Yes	-
14-Sep-96	M	-	-	-	-	-	-	-	-	-	-	-
14-Sep-96	M	-	-	-	-	-	-	-	-		Yes	-
13-Sep-96	M	-	-	-	-	-	Yes	-	-	Yes	Yes	-
26-Sep-96	M	-	-	-	-	-	Yes	-	-	Yes	Yes	-
26-Sep-96	M	-	-	-	-	-	Yes	-	-	Yes	Yes	-
27-Sep-96	F	-	-	-	-	-	Yes	-	-	Yes	Yes	-
15-Sep-97	M	-	-	-	-	-	Yes	-	-	Yes	Yes	-
15-Sep-97	M	-	-	-	-	-	Yes	-	-	Yes	Yes	-
15-Sep-97	M	-	-	-	-	-	-	-	-	-	-	-
18-Sep-97	M	-	-	-	-	-	Yes	-	-	Yes	Yes	-
Sep-97	M	-	-	No	No	No	-	No	No	-	-	No
15-Sep-97	F	-	-	No	No	No	-	No	No	Yes	Yes	No
13-Sep-97	M	-	-	No	No	No	-	No	No	Yes	Yes	No
13-Sep-97	M	-	-	No	No	No	-	No	No	Yes	Yes	No
13-Sep-97	F	-	-	No	No	No	-	No	No	Yes	Yes	No
13-Sep-97	M	-	-	No	No	No	-	No	No	Yes	Yes	No
18-Sep-97	M	-	-	No	No	No	-	No	No	Yes	Yes	No
26-Sep-97	F	-	-	No	No	No	Yes	No	No	Yes	Yes	No
27-Sep-97	F	-	-	No	No	No	-	No	No	Yes	-	No
26-Sep-97	M	-	-	No	No	No	-	No	No	Yes	Yes	No
25-Sep-97	F	-	-	No	No	No	Yes	No	No	Yes	Yes	No
23-Sep-97	M	-	-	No	No	No	Yes	No	No	Yes	Yes	No
1997	M	-	-	No	No	No	-	No	No	Yes	Yes	No
12-Sep-98	F	-	-	No	No	No	Yes	No	Yes	Yes	Yes	No
14-Sep-98	M	-	-	No	No	No	Yes	No	-	Yes	Yes	No
14-Sep-98	M	-	-	No	No	No	Yes	No	-	Yes	Yes	No
12-Sep-98	F	-	-	No	No	No	Yes	No	-	Yes	Yes	No
22-Sep-98	M	-	-	No	No	No	Yes	No	Yes	Yes	Yes	No
21-Sep-98	M	-	-	No	No	No	Yes	No	Yes	Yes	Yes	No

Table 4D-4 (con'd). Body condition of sacrificed or hunter killed caribou from the Merasheen Island herd, 1993-1998.

Date	Sex	Fetus		Specimens Collected								
		Collected	Sex	Reproductive	Kidney	Muscle	Leg Bone	Liver	Brain	Rumen	Faeces	Whole
26-Sep-98	F	-	-	No	No	No	Yes	No	Yes	Yes	Yes	No
18-Sep-98	F	-	-	No	No	No	Yes	No	Yes	Yes	Yes	No
12-Sep-98	M	-	-	No	No	No	Yes	No	-	Yes	Yes	No
12-Sep-98	M	-	-	No	No	No	Yes	No	-	Yes	Yes	No
12-Sep-98	M	-	-	-	-	-	-	-	-	-	-	-
12-Sep-98	F	-	-	No	No	No	Yes	No	Yes	No	Yes	No
12-Sep-98	M	-	-	No	No	No	-	No	Yes	Yes	Yes	No
12-Sep-98	M	-	-	No	No	No	Yes	No	-	Yes	Yes	No
12-Sep-98	M	-	-	No	No	No	-	No	-	Yes	No	No
12-Sep-98	M	-	-	No	No	No	-	No	-	No	Yes	No
12-Sep-98	M	-	-	No	No	No	-	No	-	Yes	Yes	No
12-Sep-98	M	-	-	No	No	No	-	No	-	Yes	Yes	No
25-Sep-98	-	-	-	No	No	No	Yes	No	-	Yes	Yes	No

Table 4D-4 (con'd). Body condition of sacrificed or hunter killed caribou from the Merasheen Island herd, 1993-1998.

Date	Sex	Digestive Tract	Fat Measurements						Blood Parameters		
		Weight-Full	Back	Mesenteric	Perirenal	Kidney Fat	Marrow Fat (%)		Protein	Bilirubin	Glucose
		(kg)	(mm)	(kg)	(g/kidney)	Index (%)	Long Bone	Mandible	(g/L)	(umol/L)	(mmol/L)
04-May-93	F	20.0	-	-	-	-	-	-	78	4	8.4
04-May-93	F	21.0	5	1.2	-	-	-	-	84	4	7.7
05-May-93	F	25.5	Trace	0.8	-	-	-	-	-	-	-
05-May-93	F	-	Trace	0.5	-	-	-	-	71	3	8.1
05-May-93	F	-	Trace	0.3	-	-	-	-	70	4	6.1
05-May-93	F	21.0	-	0.1	-	-	-	-	69	2	12.3
05-May-93	F	21.0	Trace	0.5	-	-	-	-	57	4	5.7
05-May-93	M	19.0	Trace	-	-	-	-	-	66	4	16.8
06-May-93	F	21.5	Trace	0.3	-	-	-	-	89	5	5.3
06-May-93	F	20.0	-	0.2	-	-	-	-	75	5	8.2
03-Sep-94	M	-	35	-	38.3	24.2	94.1	-	-	-	-
03-Sep-94	M	-	32	-	39.4	26.0	93.2	-	-	-	-
03-Sep-94	M	-	32	-	31.5	23.0	96.1	-	-	-	-
03-Sep-94	M	-	19	-	11.5	10.4	89.2	-	-	-	-
03-Sep-94	M	-	35	-	17.7	8.0	91.3	-	-	-	-
03-Sep-94	M	-	38	-	-	-	94.2	-	-	-	-
03-Sep-94	F	-	13	-	10.1	11.3	78.3	-	-	-	-
03-Sep-94	M	-	35	-	-	-	96.4	-	-	-	-
03-Sep-94	F	-	6	-	14.0	11.3	81.2	-	-	-	-
03-Sep-94	M	-	38	-	-	-	92.4	-	-	-	-
03-Sep-94	F	-	6	-	14.7	11.6	84.5	-	-	-	-
05-Sep-94	M	-	32	-	-	-	91.6	-	-	-	-
05-Sep-94	M	-	25	-	31.2	19.5	94.2	-	-	-	-
05-Sep-94	M	-	38	-	39.8	27.9	94.2	-	-	-	-
07-Sep-94	M	-	38	-	58.0	33.4	93.8	-	-	-	-
09-Sep-94	F	-	Nil	-	16.9	14.6	80.0	-	-	-	-
09-Sep-94	M	-	38	-	-	-	92.4	-	-	-	-
13-Sep-94	F	-	6	-	17.8	16.2	86.4	-	-	-	-
15-Sep-94	F	-	3	-	47.1	36.9	94.1	-	-	-	-
16-Sep-94	M	-	44	-	24.1	12.5	90.9	-	-	-	-
17-Sep-94	F	-	-	-	-	-	-	-	-	-	-
09-Sep-95	F	-	NIL	-	-	-	-	90.5	-	-	-
09-Sep-95	M	-	38	-	-	-	-	88.9	-	-	-
09-Sep-95	M	-	44	-	-	-	-	88.3	-	-	-
09-Sep-95	F	-	13	-	-	-	-	96.2	-	-	-
09-Sep-95	M	-	51	-	-	-	-	-	-	-	-
09-Sep-95	M	-	13	-	-	-	-	87.8	-	-	-
09-Sep-95	M	-	51	-	-	-	-	97.2	-	-	-
09-Sep-95	M	-	25	-	-	-	-	-	-	-	-
09-Sep-95	M	-	3	-	-	-	-	95.5	-	-	-
09-Sep-95	M	-	13	-	-	-	-	82.0	-	-	-
09-Sep-95	F	-	NIL	-	-	-	-	80.5	-	-	-
09-Sep-95	M	-	38	-	-	-	-	97.9	-	-	-
12-Sep-95	F	-	13	-	-	-	-	52.9	-	-	-
12-Sep-95	M	-	13	-	-	-	-	87.0	-	-	-
13-Sep-95	M	-	6	-	-	-	-	85.3	-	-	-
13-Sep-95	F	-	NIL	-	-	-	-	73.2	-	-	-
16-Sep-95	F	-	13	-	-	-	-	51.0	-	-	-

Table 4D-4 (con'd). Body condition of sacrificed or hunter killed caribou from the Merasheen Island herd, 1993-1998.

Date	Sex	Digestive Tract	Fat Measurements						Blood Parameters		
		Weight-Full	Back	Mesenteric	Perirenal	Kidney Fat	Marrow Fat (%)		Protein	Bilirubin	Glucose
		(kg)	(mm)	(kg)	(g/kidney)	Index (%)	Long Bone	Mandible	(g/L)	(umol/L)	(mmol/L)
19-Sep-95	F	-	NIL	-	-	-	-	61.4	-	-	-
22-Sep-95	F	-	NIL	-	-	-	-	56.0	-	-	-
19-Sep-95	F	-	NIL	-	-	-	-	68.7	-	-	-
15-Sep-95	F	-	NIL	-	-	-	-	73.5	-	-	-
14-Sep-95	F	-	13	-	-	-	-	68.8	-	-	-
20-Sep-95	F	-	2	-	-	-	-	59.4	-	-	-
20-Sep-95	F	-	NIL	-	-	-	-	54.2	-	-	-
23-Sep-95	M	-	25	-	-	-	-	66.1	-	-	-
21-Sep-96	M	-	-	-	-	-	93.3	-	-	-	-
1996	F	-	-	-	-	-	-	-	-	-	-
14-Sep-96	M	-	-	-	-	-	92.7	-	-	-	-
14-Sep-96	M	-	-	-	-	-	94.9	-	-	-	-
1996	M	-	-	-	-	-	94.8	-	-	-	-
1996	F	-	-	-	-	-	57.0	-	-	-	-
14-Sep-96	F	-	-	-	-	-	90.8	-	-	-	-
14-Sep-96	F	-	-	-	-	-	89.3	-	-	-	-
14-Sep-96	F	-	-	-	-	-	48.9	-	-	-	-
14-Sep-96	M	-	-	-	-	-	93.1	-	-	-	-
15-Sep-96	M	-	-	-	-	-	93.9	-	-	-	-
14-Sep-96	M	-	-	-	-	-	92.2	-	-	-	-
19-Sep-96	F	-	-	-	-	-	93.2	-	-	-	-
14-Sep-96	M	-	-	-	-	-	92.9	-	-	-	-
14-Sep-96	M	-	-	-	-	-	-	-	-	-	-
13-Sep-96	M	-	-	-	-	-	91.6	-	-	-	-
26-Sep-96	M	-	-	-	-	-	-	-	-	-	-
26-Sep-96	M	-	-	-	-	-	-	-	-	-	-
27-Sep-96	F	-	-	-	-	-	-	-	-	-	-
15-Sep-97	M	-	-	-	-	-	-	-	-	-	-
15-Sep-97	M	-	-	-	-	-	-	-	-	-	-
15-Sep-97	M	-	-	-	-	-	-	-	-	-	-
18-Sep-97	M	-	-	-	-	-	-	-	-	-	-
Sep-97	M	-	-	-	-	-	-	-	-	-	-
15-Sep-97	F	-	-	-	-	-	-	-	-	-	-
13-Sep-97	M	-	-	-	-	-	-	-	-	-	-
13-Sep-97	M	-	-	-	-	-	-	-	-	-	-
13-Sep-97	F	-	-	-	-	-	-	-	-	-	-
13-Sep-97	M	-	-	-	-	-	-	-	-	-	-
18-Sep-97	M	-	-	-	-	-	-	-	-	-	-
26-Sep-97	F	-	-	-	-	-	-	-	-	-	-
27-Sep-97	F	-	-	-	-	-	-	-	-	-	-
26-Sep-97	M	-	-	-	-	-	-	-	-	-	-
25-Sep-97	F	-	-	-	-	-	-	-	-	-	-
23-Sep-97	M	-	-	-	-	-	-	-	-	-	-
1997	M	-	-	-	-	-	-	-	-	-	-
12-Sep-98	F	-	-	-	-	-	92.1	-	-	-	-
14-Sep-98	M	-	-	-	-	-	-	-	-	-	-
14-Sep-98	M	-	-	-	-	-	95.0	-	-	-	-
12-Sep-98	F	-	-	-	-	-	81.6	-	-	-	-

Table 4D-4 (con'd). Body condition of sacrificed or hunter killed caribou from the Merasheen Island herd, 1993-1998.

Date	Sex	Digestive Tract	Fat Measurements						Blood Parameters		
		Weight-Full (kg)	Back (mm)	Mesenteric (kg)	Perirenal (g/kidney)	Kidney Fat Index (%)	Marrow Fat (%) Long Bone	Marrow Fat (%) Mandible	Protein (g/L)	Bilirubin (umol/L)	Glucose (mmol/L)
22-Sep-98	M	-	-	-	-	-	93.4	-	-	-	-
21-Sep-98	M	-	-	-	-	-	91.1	-	-	-	-
26-Sep-98	F	-	-	-	-	-	-	-	-	-	-
18-Sep-98	F	-	-	-	-	-	-	-	-	-	-
12-Sep-98	M	-	-	-	-	-	-	-	-	-	-
12-Sep-98	M	-	-	-	-	-	84.5	-	-	-	-
12-Sep-98	M	-	-	-	-	-	-	-	-	-	-
12-Sep-98	F	-	-	-	-	-	89.4	-	-	-	-
12-Sep-98	M	-	-	-	-	-	94.0	-	-	-	-
12-Sep-98	M	-	-	-	-	-	88.8	-	-	-	-
12-Sep-98	M	-	-	-	-	-	93.0	-	-	-	-
12-Sep-98	M	-	-	-	-	-	93.3	-	-	-	-
12-Sep-98	M	-	-	-	-	-	-	-	-	-	-
12-Sep-98	M	-	-	-	-	-	91.2	-	-	-	-
25-Sep-98	-	-	-	-	-	-	91.1	-	-	-	-

Table 4D-5. Body condition of sacrificed or hunter killed caribou from the Middle Ridge herd, 1994.

Date	Sex	Weight (kg)		Antlered	Points		Collected		Age (years)		Length (mm)			Head	Parasites	
		Whole	Eviserated		Left	Right	Jaw	Tooth	Cementum	Wear Class	Jaw	Diastema	Molar Row	Circ. (cm)	Warble Flies	NoseBot Flies
24-Apr-94	F	73.0	52	No	-	-	Yes	Yes	1	1	-	83	-	-	31	0
24-Apr-94	F	95.0	62	Yes	4	0	Yes	Yes	8	10	-	99	94	-	52	67
24-Apr-94	F	92.0	60	No	-	-	Yes	Yes	4	9	-	97	92	55.0	23	0
25-Apr-94	F	87.0	59	No	-	-	Yes	Yes	3	6	-	88	97	55.0	45	80
25-Apr-94	F	90.0	58	Yes	2	2	Yes	Yes	6	12	-	93	93	53.8	8	56
25-Apr-94	F	113.0	76	Yes	1	2	Yes	Yes	3	4	-	96	99	50.0	71	60
25-Apr-94	M	86.0	63	Yes	3	3	Yes	Yes	3	2	259	91	97	55.0	33	76
25-Apr-94	F	97.5	71	Yes	2	2	Yes	Yes	3	4	-	91	93	55.0	128	37
25-Apr-94	F	107.0	73	No	-	-	Yes	Yes	5	8	-	104	97	56.9	22	70
25-Apr-94	F	75.0	50	No	-	-	Yes	Yes	3	3	258	86	94	52.5	140	35
25-Apr-94	F	80.0	60	Yes	2	2	Yes	Yes	4	4	-	90	95	52.5	112	44
26-Apr-94	F	108.0	71	Yes	1	1	Yes	Yes	9	13	-	105	92	56.2	39	78
26-Apr-94	F	97.0	62	No	-	-	Yes	Yes	3	4	-	93	93	57.5	112	103
26-Apr-94	F	82.0	60	No	-	-	Yes	Yes	3	2	-	82	97	53.8	29	35
26-Apr-94	F	87.0	57	No	-	-	Yes	Yes	4	11	-	94	90	56.2	36	31
26-Apr-94	F	81.0	58	No	-	-	Yes	Yes	7	11	-	96	100	52.5	61	143
26-Apr-94	F	93.0	57	Yes	1	2	Yes	Yes	14	14	-	99	91	55.0	215	195
26-Apr-94	F	92.0	58	Yes	3	5	Yes	Yes	8	14	-	92	91	53.1	37	81
26-Apr-94	F	95.0	60	No	-	-	Yes	Yes	5	9	-	-	91	52.5	26	28
26-Apr-94	F	82.0	55	No	-	-	Yes	Yes	5	10	-	100	98	58.8	104	14

Date	Sex	Fetus		Specimens Collected						
		Collected	Sex	Reproductive	Kidney	Leg Bone	Rumen	Faeces	Serum	Whole
24-Apr-94	F	-	-	Yes	Yes	Yes	Yes	Yes	No	No
24-Apr-94	F	Yes	M	Yes	Yes	Yes	Yes	Yes	Yes	-
24-Apr-94	F	Yes	M	Yes	Yes	Yes	Yes	Yes	Yes	-
25-Apr-94	F	Yes	F	Yes	Yes	Yes	Yes	Yes	Yes	Yes
25-Apr-94	F	Yes	M	Yes	Yes	Yes	Yes	Yes	Yes	Yes
25-Apr-94	F	Yes	M	Yes	Yes	Yes	Yes	Yes	Yes	-
25-Apr-94	M	-	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes
25-Apr-94	F	Yes	F	Yes	Yes	Yes	Yes	Yes	Yes	Yes
25-Apr-94	F	Yes	M	Yes	Yes	Yes	Yes	Yes	Yes	Yes
25-Apr-94	F	Yes	M	Yes	Yes	Yes	Yes	Yes	Yes	-
25-Apr-94	F	-	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes
26-Apr-94	F	Yes	F	Yes	Yes	Yes	Yes	Yes	Yes	Yes
26-Apr-94	F	Yes	M	Yes	Yes	Yes	Yes	Yes	Yes	Yes
26-Apr-94	F	Yes	M	Yes	Yes	Yes	Yes	Yes	Yes	Yes
26-Apr-94	F	Yes	M	Yes	Yes	Yes	Yes	Yes	Yes	Yes
26-Apr-94	F	Yes	M	Yes	Yes	Yes	Yes	Yes	Yes	Yes
26-Apr-94	F	Yes	F	Yes	Yes	Yes	Yes	Yes	Yes	Yes
26-Apr-94	F	Yes	F	Yes	Yes	Yes	Yes	Yes	Yes	Yes
26-Apr-94	F	Yes	F	Yes	Yes	Yes	Yes	Yes	Yes	Yes
26-Apr-94	F	-	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Table 4D-5 (con'd). Body condition of sacrificed or hunter killed caribou from the Middle Ridge herd, 1994.

Date	Sex	Digestive Tract Weight-Full	Fat Measurements					Blood Parameters						
			Back	Mesenteric	Kidney Fat	Marrow (%)		Protein	Bilirubin	Urea	Cholesterol	Phosphorus	Haemo-globin	Haemato-crit
		(kg)	(mm)	(kg)	Index (%)	Long	Mandible	(g/L)	(umol/L)	(mmol/L)			(g/dl)	(%)
24-Apr-94	F	-	Nil	0.25	23.6	92.0	55.4	-	-	-	-	-	-	-
24-Apr-94	F	-	Nil	0.20	29.4	90.7	59.2	-	-	-	-	-	-	-
24-Apr-94	F	-	Nil	0.60	35.1	91.8	71.5	-	-	-	-	-	-	-
25-Apr-94	F	16.5	-	0.40	29.0	90.8	66.5	44	-	0.9	0.8	-	17.0	-
25-Apr-94	F	15.5	-	0.75	77.0	-	52.4	56	-	0.3	0.6	-	15.0	-
25-Apr-94	F	-	-	1.40	91.0	93.1	61.8	-	-	-	-	-	-	-
25-Apr-94	M	15.0	-	0.15	26.2	92.1	61.4	72	-	-	-	-	18.0	-
25-Apr-94	F	12.3	6	0.90	125.2	94.5	63.6	64	-	1.0	0.8	-	16.0	-
25-Apr-94	F	-	-	0.75	35.8	-	67.9	62	-	0.9	0.8	-	17.8	-
25-Apr-94	F	-	-	0.35	64.3	92.5	61.7	-	-	0.6	0.8	-	-	-
25-Apr-94	F	12.0	-	0.50	46.8	92.3	58.0	66	-	1.7	0.6	-	17.5	-
26-Apr-94	F	18.3	Nil	0.35	34.6	91.6	64.9	-	23	1.1	0.8	-	17.0	42
26-Apr-94	F	15.8	-	0.80	169.2	94.2	66.7	58	0	2.2	0.6	1.8	16.0	50
26-Apr-94	F	13.3	Nil	0.55	50.5	93.7	63.9	76	2	0.6	1.0	2.0	16.5	42
26-Apr-94	F	14.8	-	0.20	30.3	91.4	65.8	-	-	-	-	-	17.8	-
26-Apr-94	F	14.3	-	0.10	63.3	90.4	60.1	-	5	2.9	0.7	-	-	-
26-Apr-94	F	20.0	Nil	0.15	7.3	90.4	58.9	50	-	0.8	0.6	-	17.0	-

Table 4D-6a. Caribou condition monitoring, fall 1997-1998.

CMU	Licence	Block	Hunter	Sex	Date of Kill			Specimens Collected (Y/N)			
					Year	Month	Day	Jawbone	Cranium	Lung	Leg Bone
61	5137	1663	Marvin Madison	M	1997	9	25	Y			
62	598	1662	Stanley Parsons	F	1997	11	4	Y			Y
62	681	1646	Flora Whitehorne	M	1997	12	13	Y			Y
62	401	1635	Albert Anstey	M	1997	11	10	Y			Y
62	636	1081	Doreen Skeard	M	1997	9	13	Y			Y
62	559	1081	Dinah Langdon	M	1997	9	13	Y			Y
62	493	1645	Barry Fry	F	1997	9	10	Y			
63	757		Larry Bursey	M	1997	10	1	Y			Y
63	1123		Steve Pearcey	M	1997	10	6	Y			N
63	1231	1711	Ches Sweetapple	M	1997	9	22	Y			Y
63	827	1761	Roderick Davis		1997	9	22	Y			
63	1094	1764	Jean Noble	M	1997			Y			
63	986	1762	Peggy Johnson	M	1997	10	11	Y			Y
63	796	1787	Philip Collier	F	1997	11	14				Y
63	1720	1921	Hector Greening	M	1997	9	16	Y			
63	893	1761	Harold Foster	M	1997	11	19	Y			
64	2088	1859	Ray Noseworthy	F	1997	10	2	Y			Y
64	2233	1805	Stanley D. Reid	M	1997	9	25	Y			Y
64	1590	1870	William M. Day	M	1997	9	25	Y			Y
64	2289	2508	Tony Scott	F	1997	9	18	Y			Y
64	2278		Edward Saunders	M	1997			Y			
64	1464	1806	Dean Clark	F	1997	10	30	Y			Y
64	2312	1830	Randy Short	M	1997	9	13	Y			Y
64	2526	1972	Cecil Vivian	M	1997	9	13	Y			Y
64	2153	1972	Charles W. Penney	M	1997	9	18	Y			Y
64	1398	1900	Raymond Brinston	M	1997	9	13	Y			Y
64	1452	1840	Arthur Chatman	M	1997	9	13	Y			Y
64	2101	1951	Fannie G. Oldford	M	1997	9	29	Y			Y
64	1707	1879	Edward Green	F	1997	10	7	Y			Y
64	2596		Harry Worthman		1997						Y
64	1992	1188	Luke Lush	M	1997	10	19				
65	2607	4211	Susan Anthony	F	1997	9	16	Y			Y
65	2959	4214	Jean Howell	M	1997	9	20	Y			Y
65	3331		John Stanley	M	1997	9	13	Y			Y
65	2807		Ben Dunne	M	1997	9	20	Y			Y
65	3072		Dermont McDonald	F	1997	9	13	Y			Y
65	3088	4234	Edward T. Mercer	M	1997	9	2	Y			Y
65	3394	4234	Pat Warren	M	1997	9	13	Y			Y
65	5040		Frank Tilly, Russell Stevasun	F	1997	9	13	Y			Y
65	4935	4234	Marlene Beck	M	1997	9	13	Y			Y
65	2814		Thomas Durdle	M	1997	9	13	Y			N
65	2678	4214	Christopher Butler	M	1997	9	13	Y			Y
65	3424	4227	Patrick Williams	F	1997	9	13	Y			Y
65	2618	4234	Bruce Barbour	M	1997	9	13	Y			Y
65	3367	4223	Boyd Tucker	M	1997	9	13	Y			Y

Table 4D-6a (con'd). Caribou condition monitoring, fall 1997-1998.

CMU	Licence	Block	Hunter	Sex	Date of Kill			Specimens Collected (Y/N)			
					Year	Month	Day	Jawbone	Cranium	Lung	Leg Bone
65	3342	4214	David Strange	F	1997	9	13	Y			N
65	2813		Robert Durdle	M	1997	9	13	Y			Y
65	3008		Carol Kent	M	1997	9	13	Y			Y
65	2633	4224	Edgar Benmore	M	1997	9	13	Y			Y
65	3245	4214	Gerald Riche	F	1997	9	13	Y			Y
65	2820	4214	Jim Evans	M	1997	9	13	Y			Y
65	3242	4214	Ron Reid	M	1997	9	13	Y			Y
65	2817	4205	Fred Eason	M	1997	9	13	Y			Y
65	2832	4214	Gail Fisher	M	1997	9	13	Y			Y
65	2981	4211	Donald Jarvis	F	1997	9	13	Y			Y
65	3390	4224	Gerald Warford	M	1997	9	13	N			N
65	3265		Dave Ryan	F	1997	9	13	Y			Y
65	3182		Robert Pelly	M	1997	9	13	Y			Y
65	4973		George Clark	F	1997	9	13	Y			Y
65	2766	4225	Bert Davis	M	1997	9	13	Y			Y
65	3225	4224	John Power	M	1997	9	13	Y			N
65	3371		Wayne Tucker	F	1997	9	13	Y			Y
65	3362	4205	Ramsey Tilley	F	1997	9	13	Y			Y
65	3043	4214	Amelia Loder	F	1997	9	27	N			Y
65	3332	2882	Allan Stein	F	1997	10	4	Y			Y
65	3226	2875	Jacquelane Power	M	1997	10	14	Y			N
65	3072		Dermot MacDonald	F	1997	9	13	Y			Y
65	3160	4234	James O'Neill	F	1997	9	13	Y			Y
65	2726	4215	Brian F. Connolly	M	1997	9	13				
65	2903	4212	Darrin P. Hanlon	M	1997	10	16	Y			N
65	3155	2896	Robert R. O'Donnell	M	1997	9	13	Y			
65	3079	4214	James McGrath	F	1997	9	13	Y			Y
65	2943		Scott A. Hillier	M	1997	9	10	Y			
65	2625	2875	Francis J. Barrington	M	1997	9	20	Y			
65	2804	4224	Marcella Drover	M	1997	9	13	Y			
65	3090	4215	Brone Mifflin	M	1997	9	13	Y			
65	3187		Joseph Pennell	M	1997	10	25				
65	3041	2875	Steven Lethbridge	M	1997	10	25	Y			N
65	3083	4214	James McNeil	M	1997	10	31	Y			Y
65	2688	4211	Michael P. Cahill	F	1997	10	3	Y			Y
65	3023	4214	Lloyd Leaman	F	1997	9	22	Y			
65	2680	4233	Eric Butler	M	1997	9	27	Y			
65	3288	4221	Jane Simmons	M	1997	11	9	Y			
65	3372	4221	Donald Tuff	F	1997	10	27	Y			
65	3339	4214	James Stone	F	1997	9	13	Y			
65	3347	4221	Eric Sullivan	M	1997	11	13	Y			N
65	3201	4215	John Philpott	M	1997	10	16	Y			N
65	2806		Michael Duggan	M	1997	11	21	N			Y
65	2782	4214	Frank Denine	M	1997	11	26	Y			N
65	2638	2885	Robert Best	F	1997	8	11	Y			
65	3054		Richard Madigan	M	1997	9	27	Y			Y

Table 4D-6a (con'd). Caribou condition monitoring, fall 1997-1998.

CMU	Licence	Block	Hunter	Sex	Date of Kill			Specimens Collected (Y/N)			
					Year	Month	Day	Jawbone	Cranium	Lung	Leg Bone
65	2812	4206	William Dunphy	M	1997	9	15	Y			
65	2730	4234	Jerry Conway	M	1997	11	25	N			Y
65	3307		Ron Smith	M	1997	9	13	Y			
65	3335	2893	Hubert Stokes Sr.	F	1997	9	13	Y			
65	3041		Steven Lethbridge		1997			Y			
65	3275	4222	Melvin Sellars	F	1997	11	8	Y			
65	3215	2875	Gordon Pottle	M	1997	10	24	Y			
65	3106		Val Kinsella	F	1997	11	4	Y			N
65	3417		Cecil Williams		1997						
65	3251	4215	Paul Rodgers	M	1997	9	13	Y			Y
65	3052	4222	William Machin	F	1997	9	17	Y			Y
65	3262	4221	Herman Russell	F	1997	10	11	Y			
65	2749	4215	George Crewe	M	1997	11	8	Y			
65	2870	4224	Fred Giles	M	1997	12	13	Y			Y
65	3062	4234	Patrick J. Marks	F	1997	12	13	Y			Y
65	4936	2882	Eugene Breen	M	1997	12	8	Y			Y
65	3145	4224	Jeffrey O'Driscoll	F	1997	10	12	Y			Y
65	2938		Debbie Hewitt	M	1997			Y			Y
65	2764		Florence Dalton	M	1997	12	12	Y			Y
65	2698	4224	David Chapman	M	1997	9	17	Y			Y
65	3132		Kevin Norman		1997			Y			Y
65	2737		David Cooney		1997						Y
65	sick animal,		Chance Cv. Park	M	1997	9	19				Y
65	2670	4214	Norbert Burke	F	1997	11	19	Y			Y
65	3327		Melvin St. Croix	M	1997	9	30	Y			Y
65	3194		James Penney	M	1997	9	15	Y			Y
65	3184		Donald Pennell	M	1997	9	13				
65	2867		Gordie Gibbons		1997			Y			
65	2798	4214	Maurice Doyle	M	1997	9	13	Y			
66	3586	1050	Fredrick Pittman	M	1997	9	27	Y			Y
66	3496	1043	Ross Denney	F	1997	9	19	Y			Y
66	3480	1044	William Clarke	M	1997	9	19	Y			Y
66			Sheldon Anstey		1997						Y
66	3535	1061	Rosemary Ivany	M	1997	9	25	Y			Y
67	3665	1769	Chesley Benson	M	1997	10	28	Y			Y
67	3951	1830	Dean Sullivan	F	1997	10	23	Y			
67	3666	1769	Harry Benson	F	1997	10	23	Y			Y
67	3893	1830	Raymond Phillips	M	1997	9	15	Y			Y
67	3776	1881	Lloyd Horwood	M	1997	12	12				Y
67	3873	1770	Lawrence Organ	M	1997	12	11	Y			Y
67	3983	1790	Eric Willmott	F	1997	10	6				
68	4016	1183	Thomas Snow	M	1997			Y			
69	4122	652	Roger House	F	1997	11	11	Y			Y
70	4201	1268	Hubert Best	M	1997	9	17	Y			
70	4202		Reginald Bowering	M	1997	3	23	Y			Y
70	4203		Allister Brown	M	1997	9	15	Y			Y

Table 4D-6a (con'd). Caribou condition monitoring, fall 1997-1998.

CMU	Licence	Block	Hunter	Sex	Date of Kill			Specimens Collected (Y/N)			
					Year	Month	Day	Jawbone	Cranium	Lung	Leg Bone
70	4205		Max Eddy	M	1997	9	15	Y			Y
70	4210		Donald Lockyer	M	1997	9	13	Y			
70	4212		Donald Moulton	M	1997	9	18	Y			
70	4214		Ernest Penney	M	1997	9	17	Y			
70	4215		Roland Slade	F	1997	7	25	Y			Y
70	4216		Cyril Stewart	M	1997	9	26	Y			
70	4217		Derm Wakeham	F	1997	9	26	Y			Y
70	4218		Lawrence Walsh	F	1997	9	15	Y			Y
70	4219		Wayne Walsh	M	1997	9	18	Y			
70	4220		John Warren	M	1997	9	13	Y			
70	4221		Francis Whtye	M	1997	9	17	Y			
70	4222		Mathilda Whyte	F	1997	9	13	Y			
70	4223		Patrick Whyte	M	1997	9	13	Y			
70	4224		W. Keith Woodman	F	1997	9	27	Y			
77	4285	2778	Edward Major	M	1997	11	22	Y			N
65	6192			M	1997	9	23				
64	1670	L12	James Hanley	F	1998	11	10	Y	Y		N
65	2568		Eric Hyde	F	1998	9	12	Y			Y
65	2627	F10	William Tibbo	F	1998	9	12	Y			Y
65	2543		Shelia Daley	F	1998	9		Y			Y
65	2569		Peter Kearsey		1998	9	12	Y			Y
65	2527	F12	Robert Bishop	M	1998	9	12	Y			Y
65	2612	E11	Gary Reddy	M	1998	9	12	Y			Y
65	2525	F12	Leonard Best	F	1998	9	14	Y			Y
65	2598	F10	Raymond Parsons	F	1998	9	12	Y			Y
65	2539	E11	Stephen Cooney	M	1998	9	12	Y			Y
65	unknown AV-2			F	1998	9	12	Y			Y
65	unknown AV-1			F	1998	9	12				
65	2614		Sean Roche	M	1998	9	26	Y			Y
65	2579		Reuben Clarke	M	1998	9	26	Y			Y
65	2613	F10	Gordon Reid	M	1998	9	14	Y			Y
65	2638	F10	Michael Wotherspoon	F	1998	9	26	Y			Y
65	2619	D11	George Simmons	M	1998	9	26	Y			N
65	2529		Dean Branton		1998						N
65	2587	F10	Robert McLean	F	1998	9	17	Y			N
65	2530	D11	Edward Burry	F	1998	9	12	Y			Y
65	3899	G9	Frederick Cook	M	1998	9	12	Y			N
65	2629	C10	Lewis Trickett	F	1998	9	14	Y			Y
65	2582	D11	Michael Machin	F	1998	9	12	Y			Y
65	3898	F9	Noel Cantwell	M	1998	9	19	Y			Y
65	2609	E10	James Powell	M	1998	9	12	Y			Y
65	2531	F11	Charles Butler	M	1998	10	10	Y			Y
65	2535	F7	Hubert Cassell	F	1998	10	10	Y			Y
65	2577	C12	Richard Loder	F	1998	10	10	Y			Y
65	2608	G10	Patricia Pottle	M	1998	9	28				
65	2591	G9	Heather Morgan	F	1998	10	8	Y			Y

Table 4D-6a (con'd). Caribou condition monitoring, fall 1997-1998.

CMU	Licence	Block	Hunter	Sex	Date of Kill			Specimens Collected (Y/N)			
					Year	Month	Day	Jawbone	Cranium	Lung	Leg Bone
65	2564		Hubert Hillier	F	1998	10	24	Y			Y
65	2623	F10	Sam Steele	M	1998	11	7	Y			Y
65	2603		Christine Pittman	M	1998	11	14	Y			Y
65	2624	G10	Samuel Strickland	F	1998	11	11	N			Y
65	2584	F10	Murdo Martin	M	1998	10	14	Y			Y
65	2608	G10	Patricia Pottle	M	1998	9	28	?			Y
65	2533		Wilbert Butler	F	1998	10	14	Y			Y
65	2570	F8	Baxter Keats	F	1998	10	3	Y			Y
65	2561	G10	Ray Hawco	F	1998	11	13	Y			
65	2571	F7	Robert Keats	F	1998	10	3	Y			Y
65	2542	C10	Glenn Curtis	F	1998	11	19	Y			Y
65	2544	G9	Boyd Day	F	1998	10	30	Y			Y
65	2540	F5	Colin Cox	F	1998	11	6	Y			Y
65	2618	F10	Michael Sears	M	1998	11	21	Y			N
65	6543	E11	Christine Pittman	F	1998	11	28	Y	Y		N
65	2600	F10	Cecil Pearcey	M	1998	12	5	Y	N		Y
65	2631	F10	Wallace Tucker	M	1998	12	7	Y		Y	
65	2517	F10	Jay Babstock	F	1998	12	12	Y		Y	Y
65	6542	E11	Charlie Butler	F	1998	12	11	Y	Y	Y	Y
65	2557		William Greene		1998			Y			Y
65	2520	F10	Clyde Bagg	F	1998	11	16	Y			Y
65	2606	F10	John Porter	F	1998	11	14	Y			Y
65	2634		Robert Walsh		1998			Y			Y
65	4002		Kenneth Molloy		1998			Y			Y
65	2538		Barry Clarke		1998			Y			
66	2682		Leonard Eveleigh		1998						Y
68	4227	D5	Mickey Belsey	M	1998	10	13	Y			Y
68	4238	D5	Edmund Wilson	M	1998	10	1	Y			Y
68	4236	D5	Jerry Tucker	M	1998	10	12	Y			Y
68	3145	E5	Donald Tremblett	M	1998	9	30	Y			Y
68	4983	E5	William Winke	M	1998	9	29	Y			Y
68	4235	E5	Donald Toenshaff	M	1998	9	29	Y			Y
69	4171		Robert Hooper		1998			Y			
69	Road Kill-6, Northern Pen				1998						Y
70	3293		Cyril Courtney	M	1998	9	19	Y	Y		Y
70	3303		Ernest Penney	M	1998	9	12	Y	?		?
70	3309		Maynard Upshall	M	1998	9	12	Y	Y		?
70	3302		Randy Norman	F	1998			Y	Y		Y
70	3295		unrecorded		1998			Y			
70	3291		Martin Caul	F	1998	9	18	Y	Y		Y
70	3290		Jessica Broydell	M	1998	9	12	Y	?		Y
70	3296		Stanley Hollet	M	1998	9	14	Y	?		Y
70	3297		John Judge	F	1998	9	12	Y	?		Y
70	3308		Herbert Throwbridge	M	1998	9	12	Y	?		?
70	4020		Freeman Bolt	M	1998	9	12	Y	?		Y
70	3305		John Ryan	M	1998	9	12	Y	?		?

Table 4D-6a (con'd). Caribou condition monitoring, fall 1997-1998.

CMU	Licence	Block	Hunter	Sex	Date of Kill			Specimens Collected (Y/N)			
					Year	Month	Day	Jawbone	Cranium	Lung	Leg Bone
70	3306		Paul Ryan	F	1998	9	12	Y	Y		Y
70	3300		Olive Moulton	M	1998	9	12	Y	?		Y
70	3289		Freeman Brown	M	1998	9	12	Y			
70	3307		Herman Slade	M	1998	9	14	Y	?		Y
70	3292		Thomas Collins	F	1998	9	26	Y			Y
70	3295		Dale Hepditch		1998						Y
70	4021		Freeman Upshall		1998						Y
70	3298	E10	Douglas Maloney	M	1998	9	25	Y			Y
76	3371	K3	David Decker	M	1998	12	11	Y			Y
76	3372	K3	Joan Decker	M	1998	12	11	Y			Y
76	5172		Jerome McCarthy		1998			Y			Y
76	3357	J3	Harold Chambers		1998	12	5	Y			Y
76	4260		Jean Pierre Guy		1998						Y
77	3565	C5	Lloyd Major	M	1998	10	3	Y			Y
77	3494	D6	Allister Brown	M	1998	11	14	Y			Y
77	3597	D6	Arthur Pink	M	1998	11	14	?			Y
77	3537	D6	Stephen Gilbert	F	1998	12	1	Y	Y		N
77	3509	B5	Joseph Coffey	M	1998	12	12	Y			Y
77	3508		Eva Coffey		1998			Y	N		Y
77	5148	C4	Carl Cleary	M	1998	11	26	Y	Y	Y	Y
77	5241		Catherine Coffey	M	1998			Y	N	Y	Y
77	4122	C4	Edward Fitzgerald	F	1998	11	25	Y	Y		Y
77	3552		Jerome Hunt	M	1998	10	8	Y		Y	Y
77	3504	C4	Tina Cleary	M	1998	11	11	Y		Y	Y
77	3531	C4	Matt Foley	F	1998	11	25	N		Y	Y
77	3529	C4	Corey Fitzgerald	M	1998	11	25		Y	Y	N
77	3527	C4	Diana Ennis	M	1998	11	11	Y		Y	Y
77	3596	D4	Robert Pierce	M	1998	11	11	Y		Y	Y
77	3573	C5	Shelia McGrath	M	1998	12	1	Y		Y	Y
77	3527		Diana Ennis		1998					Y	Y
77	3514	C4	Wayne Collins	M	1998	12	9	Y			Y
77	5242		Fabian Coffey		1998			Y			Y
77	3593		James Pendergast		1998			Y			Y
77	3505		Bermard Coffey		1998			Y			Y
77	3533		Daniel Gambin		1998			N			
	HK-1 = roadkill?				1998						Y
	Road Kill-7				1998						Y
	label reads "RDKLL"				1998						Y
			Dave Mifflin	M	1998	2	17	Y			Y
	Road Kill-2				1998			Y			Y
	Road Kill-3				1998			Y			Y
	Road Kill-1				1998						Y

Table 4D-6b. Caribou condition monitoring, fall 1997-1998.

CMU	Licence	Block	Specimens Collected (Y/N)					Warble Larvae (# / NC = not checked)	**JAWBONE STATISTICS**	
			Rumen	Feces	Liver	Kidney	Muscle		Wear Class	Cementum Age & Certainty Code
61	5137	1663						NC	7-9	4
62	598	1662		N	Y	Y	N	NC	2	2A
62	681	1646				Y		NC	1	1
62	401	1635						NC	4-6	8
62	636	1081						NC	10+	11
62	559	1081				Y		NC	4-6	8A
62	493	1645				Y		NC	calf	0
63	757			Y	unk.	Y	unk.	0	1	1
63	1123			N	Y	Y	Y	NC	4 - 6	3B (3-4)
63	1231	1711		Y	Y	N	N	NC	10++	10
63	827	1761							4 - 6	5A
63	1094	1764							2	2
63	986	1762							7-9	7A
63	796	1787				Y		NC		
63	1720	1921				Y		NC	7-9	8A
63	893	1761				Y		NC	7-9	7
64	2088	1859		unk.	Y	Y	unk.	NC		
64	2233	1805				Y			7 - 9	4
64	1590	1870				Y		NC	4 - 6	5A
64	2289	2508							2	2A
64	2278					Y			7 - 9	6B (6-7)
64	1464	1806		N	Y	Y	Y	0		
64	2312	1830		N	N	N	Y	NC	3	4A
64	2526	1972		unk.	Y	Y	unk.	NC	2	2A
64	2153	1972		Y	Y	Y	unk.	NC	4-6	4B
64	1398	1900		N	Y	Y	Y	NC	3	2A
64	1452	1840		Y	N	Y	N	NC	7-9	5A
64	2101	1951						NC	3	4A
64	1707	1879				Y		NC	3	5A
64	2596					Y		NC	1	1A
64	1992	1188				Y		NC		
65	2607	4211		Y	Y	Y	Y	0	4 - 6	8A
65	2959	4214		Y	Y	Y	Y	0	1	1A
65	3331			N	Y	Y	Y	0	4 - 6	4A
65	2807			Y	Y	Y	Y	0	3	3A
65	3072			Y	Y	Y	Y	0	2	2A
65	3088	4234		N	N	N	Y	150	3	2B (2-3)
65	3394	4234		Y	Y	Y	Y	0	4 - 6	4A
65	5040			N	N	N	Y	0	3	4A
65	4935	4234		N	Y	Y	Y	0	7 - 9	6A
65	2814			N	Y	N	Y	0		
65	2678	4214		N	Y	N	Y	0	3	4A
65	3424	4227		N	Y	Y	Y	0	3	4A
65	2618	4234		N	Y	Y	N	0	1	1A
65	3367	4223		N	Y	N	Y	0	3	

Table 4D-6b (con'd). Caribou condition monitoring, fall 1997-1998.

CMU	Licence	Block	Specimens Collected (Y/N)					Warble Larvae (# / NC = not checked)	**JAWBONE STATISTICS**	
			Rumen	Feces	Liver	Kidney	Muscle		Wear Class	Cementum Age & Certainty Code
65	3342	4214		N	N	N	N	0	4 - 6	5A
65	2813			N	Y	N	Y	0	3	3B (2-3)
65	3008			N	Y	N	?	0		3
65	2633	4224		N	Y	Y	Y	0	4 - 6	7A
65	3245	4214		N	Y	Y	?	0	3	5A
65	2820	4214		N	N	N	?	0	2	2A
65	3242	4214		Y	Y	Y	Y	0	3	3A
65	2817	4205		N	U	U	?	0	4 - 6	6A
65	2832	4214		Y	Y	N	Y	0	1	1A
65	2981	4211		N	Y	Y	Y	0	4 - 6	8A
65	3390	4224		N	Y	N	Y	0	4 - 6	
65	3265			N	Y	N	Y	0	4 - 6	4A
65	3182			N	Y	Y	Y	0	4 - 6	5A
65	4973			N	N	N	Y	0	4 - 6	4A
65	2766	4225		N	N	N	Y	0	4 - 6	3A
65	3225	4224		Y	Y	Y	Y	0	3	3A
65	3371			N	N	Y	Y	0	2	2A
65	3362	4205		N	N	N	Y	0	4 - 6	4A
65	3043	4214		N	N	N	N	NC	3	3A
65	3332	2882		Y	Unk.	Unk.	Unk.	NC	2	2A
65	3226	2875		Y	Y	N	Y	NC	4 - 6	3B (3-4)
65	3072			Y	Y	Y	Y	NC	2	2A
65	3160	4234		N	Y	N	Y	NC	2	2A
65	2726	4215				Y				
65	2903	4212		Y	Y	Y	Y	NC		
65	3155	2896				Y			2	2A
65	3079	4214		Y	Y	Y	Y	NC	4-6	6A
65	2943					Y			3	4A
65	2625	2875				Y			2	2A
65	2804	4224				Y			7 - 9	6A
65	3090	4215				Y			4 - 6	5A
65	3187					Y				
65	3041	2875		N	Y	Y	Y	NC	2	2A
65	3083	4214		N	Y	Y	N	NC	4 - 6	
65	2688	4211							2	2A
65	3023	4214							4 - 6	6A
65	2680	4233				Y			1	1A
65	3288	4221							2	2A
65	3372	4221							calf	0A
65	3339	4214							3	4A
65	3347	4221		Y	Y	Y	Y	10	2	2A
65	3201	4215		N	Y	Y	N	NC	3	3A
65	2806			N	Y	Y	Y	NC		
65	2782	4214		Y	Y	Y	Y		4 - 6	6A
65	2638	2885							3	4A

Table 4D-6b (con'd). Caribou condition monitoring, fall 1997-1998.

CMU	Licence	Block	Specimens Collected (Y/N)					Warble Larvae (# / NC = not checked)	**JAWBONE STATISTICS**	
			Rumen	Feces	Liver	Kidney	Muscle		Wear Class	Cementum Age & Certainty Code
65	3054								4 - 6	5A
65	2812	4206							3	3A
65	2730	4234		N	Y	Y	Y	NC		
65	3307								2	2A
65	3335	2893				Y			4 - 6	6A
65	3041					Y			2	2A
65	3275	4222				Y			4 - 6	4B (4-5)
65	3215	2875				Y			3	5B (4-5)
65	3106			Y	Y	Y	Y	NC		
65	3417									
65	3251	4215							3	5A
65	3052	4222							3	4A
65	3262	4221							2	2A
65	2749	4215				Y			2	2A
65	2870	4224							2	2A
65	3062	4234							1	1A
65	4936	2882							3	
65	3145	4224							2	2A
65	2938							NC	2	2A
65	2764					Y		NC	calf	0A
65	2698	4224				Y		NC	3	4A
65	3132					Y		NC		5A
65	2737							NC	2	2A
65	sick animal, Chance Cv. Park,					Y		NC		
65	2670	4214				Y		NC	3	5A
65	3327					Y		NC	4-6	3A
65	3194					Y		NC	2	2A
65	3184					Y			3	3A
65	2867					Y		NC	4-6	6A
65	2798	4214				Y		NC	1	1A
66	3586	1050		Y	Y	Y	Y	NC	3	3B (3-4)
66	3496	1043						NC	1	1A
66	3480	1044				Y		NC	4-6	
66						Y		NC		
66	3535	1061						NC	7-9	5A
67	3665	1769		Y	Y	Y	Y	NC	4 - 6	5B (5-6)
67	3951	1830				Y			7 - 9	5A
67	3666	1769							2	2A
67	3893	1830							7 - 9	9A
67	3776	1881				Y		NC	4-6	5B (5-6)
67	3873	1770				Y		NC	7-9	7B (7-9)
67	3983	1790				Y		NC		
68	4016	1183				Y		NC	1	1A
69	4122	652				Y			10+	
70	4201	1268							3	4A

Table 4D-6b (con'd). Caribou condition monitoring, fall 1997-1998.

CMU	Licence	Block	Specimens Collected (Y/N)					Warble Larvae (# / NC = not checked)	**JAWBONE STATISTICS**	
			Rumen	Feces	Liver	Kidney	Muscle		Wear Class	Cementum Age & Certainty Code
70	4202			Y					10+	
70	4203			Y					10+	7B (7-8)
70	4205			Y					7 - 9	8A
70	4210			Y					10+	9A
70	4212			Y					10+	10B (10-12)
70	4214			Y					1	1A
70	4215			Y					3	3A
70	4216			Y					1	1A
70	4217			Y					2	2A
70	4218			Y					7 - 9	5A
70	4219			Y					10+	8A
70	4220								4 - 6	6B (6-7)
70	4221			Y					2	2A
70	4222			Y					2	2A
70	4223			Y					10+	9B (9-11)
70	4224								2	2A
77	4285	2778		Y	Y	Y	Y	40 - 60	4 - 6	5A
65	6192					Y		NC		
64	1670	L12	N	N	N	N	N	NC	10+	
65	2568			N	Y	Y	N	NC	3 ??	
65	2627	F10	Y	Y	N	Y	Y	NC	2	2A
65	2543			Y	N	Y	Y	NC	4-6	
65	2569		Y	Y	Y	Y	Y	NC	3	
65	2527	F12	N	N	N	N		NC	1	1A
65	2612	E11	Y	Y	N	N	N	NC	1	1A
65	2525	F12	Y	Y	N	N	Y	NC	1	1A
65	2598	F10	Y	Y	Y	N	Y	NC	1	1A
65	2539	E11	Y	Y	N	N	Y	Estimate > 100	3	
65	unk. AV-2			Y	N	N	N	NC	4 - 6	
65	unk. AV-1									
65	2614		Y	Y	N	N	Y	NC	1	1A
65	2579		Y	Y	N	N	Y	NC	1	1A
65	2613	F10	Y		N	N	Y	NC	4 - 6	
65	2638	F10	N	N	N	Y	Y	NC	4 - 6	
65	2619	D11	N	Y	N	Y		NC	0	0A
65	2529		N	N	N	Y	Y	NC	3	
65	2587	F10	N	N	N	N	N	NC	3	
65	2530	D11	N	N	N	Y	N	NC	3	
65	3899	G9	N	Y	N	Y		NC	2	2A
65	2629	C10	N	N	N	Y	Y	NC	7-9	
65	2582	D11	N	N	N	Y	Y	NC	4 - 6	
65	3898	F9	N	Y	N	Y	Y	NC	4 - 6	
65	2609	E10	N	Y	N	Y	Y	NC	2	2A
65	2531	F11	N	Y	Y	Y	N	NC	1	1A
65	2535	F7	N		N	Y	Y	NC	7 - 9	

Table 4D-6b (con'd). Caribou condition monitoring, fall 1997-1998.

CMU	Licence	Block	Specimens Collected (Y/N)					Warble Larvae (# / NC = not checked)	**JAWBONE STATISTICS**	
			Rumen	Feces	Liver	Kidney	Muscle		Wear Class	Cementum Age & Certainty Code
65	2577	C12	N	Y	N	Y	Y	NC	1	1A
65	2608	G10		Y	N	Y	Y	NC		
65	2591	G9	N	Y	N	Y	Y	NC	3	
65	2564		N	Y	N	Y	Y	NC	4 - 6	
65	2623	F10	N	Y	N	Y	Y	NC	4-6	
65	2603		N	N	N	N	Y	NC	0	0A
65	2624	G10	N	N	N	Y	Y	NC		
65	2584	F10	N	Y	N	Y	N	NC	4-6	
65	2608	G10	N	N	N	Y	Y	NC		
65	2533		N	Y	N	Y	Y	NC	4-6	
65	2570	F8	N	Y	N	Y	Y	NC	2	
65	2561	G10						NC	4-6	
65	2571	F7	N	Y	N	Y	N	NC	4-6	
65	2542	C10	N	Y	N	Y	Y	NC	4-6	
65	2544	G9	N	Y	N	Y	Y	NC	2	2A
65	2540	F5	N	Y	N	Y	Y	NC	2	
65	2618	F10	N	N	N	N	N	NC	4-6	
65	6543	E11	N	Y	N	Y	N	NC	3	
65	2600	F10	N	Y	N	Y	Y	NC	1	1A
65	2631	F10						NC	4-6	
65	2517	F10	N	Y	N	Y	N	NC	7-9	
65	6542	E11		Y		Y	N	NC	4-6	
65	2557							NC	3	
65	2520	F10				Y		NC	7-9	
65	2606	F10						NC	4-6	
65	2634							NC	3	
65	4002							NC	2	
65	2538					Y		NC	3	
66	2682							NC		
68	4227	D5						NC	7-9	
68	4238	D5						NC	7-9	
68	4236	D5						NC	4-6	
68	3145	E5						NC	7-9	
68	4983	E5						NC	7-9	
68	4235	E5						NC		
69	4171							NC	4 - 6	
69	Road Kill-6							NC		
70	3293		Y	Y	N	N	N	NC	4 - 6	
70	3303		?	Y	N	N	N	NC	4 - 6	
70	3309		Y	Y	N	N	N	NC	7 - 9	
70	3302		Y	Y	N	N	N	NC	2	
70	3295							NC	3	
70	3291		Y	Y	N	N	N	NC	4 - 6	
70	3290		Y	Y	N	N	N	NC	4 - 6	
70	3296		Y	Y	N	N	N	NC	4 - 6	

Table 4D-6b (con'd). Caribou condition monitoring, fall 1997-1998.

CMU	Licence	Block	Specimens Collected (Y/N)					Warble Larvae (# / NC = not checked)	**JAWBONE STATISTICS**	
			Rumen	Feces	Liver	Kidney	Muscle		Wear Class	Cementum Age & Certainty Code
70	3297		Y	Y	N	N	N	NC	0	0A
70	3308		Y	Y	N	N	N	NC		
70	4020		Y	Y	N	N	N	NC	1	1A
70	3305		Y	Y	N	N	N	NC	3	
70	3306		N	Y	N	N	N	NC	3	
70	3300		Y	Y	N	N	N	NC	1	1A
70	3289							NC	7 - 9	
70	3307		Y	Y	N	N	N	NC	4 - 6	
70	3292							NC	1	1A
70	3295							NC		
70	4021							NC	10+	
70	3298	E10						NC	2	2A
76	3371	K3						NC	7-9	
76	3372	K3						NC	7-9	
76	5172							NC	2	
76	3357	J3						NC	4-6	
76	4260							NC		
77	3565	C5	N	Y	Y	Y	Y	NC	10+	
77	3494	D6	N	Y	N	Y	Y	NC	2	
77	3597	D6	N	Y	?	Y	Y	NC		
77	3537	D6	N	Y	Y	Y	Y	NC	7-9	
77	3509	B5	N	Y				NC	3	
77	3508		N	N		N	N	NC	4-6	
77	5148	C4	N	Y	Y	Y	Y	NC	7-9	
77	5241		N	Y		N	Y	NC	0	0A
77	4122	C4	N		Y	Y	Y	35	10+	
77	3552			Y		Y	Y	NC	4-6	
77	3504	C4		Y	Y	Y	Y	50	7-9	
77	3531	C4			Y	Y	Y	35		
77	3529	C4			Y	Y	Y	NC	7-9	
77	3527	C4		Y	Y	Y	Y	30		
77	3596	D4		Y	Y	Y	Y	20	4-6	
77	3573	C5		N	Y	Y	Y	45	4-6	
77	3527			Y		Y	Y	NC		
77	3514	C4						NC	4-6	
77	5242							NC	calf	
77	3593							NC	calf	0A
77	3505							NC		
77	3533					Y		NC		
HK-1 = roadkill?								NC		
Road Kill-7								NC		
label reads "RDKLL"								NC		
								NC	10+	
Road Kill-2								NC	calf	0A
Road Kill-3								NC	calf	0A
Road Kill-1								NC		

Table 4D-6c. Caribou condition monitoring, fall 1997-1998.

CMU	Licence	Block	JAWBONE STATISTICS			FAT INDICES			
			Total Jaw Length (mm)	Diastema Length (mm)	Molar Row Length (mm)	Depth of Back Fat (mm) (NC = not checked)	% Mandible Marrow Fat	% Long Bone Marrow Fat	
								Bone	% MF
61	5137	1663	268	95	96	NC		metatarsus	91.6
62	598	1662		84	89		58.9	metatarsus	93.2
62	681	1646						unknown	85.3
62	401	1635	260	89	92	NC		metatarsus	84.6
62	636	1081	315	125	93	NC		metatarsus	89.6
62	559	1081		100	93	NC		metatarsus	91
62	493	1645							
63	757		240			NC			77.4
63	1123		266	96	99	NC	60.8		
63	1231	1711		117	95	NC	68.2		94.9
63	827	1761		82	92				85.2
63	1094	1764							90.4
63	986	1762		116	94		18.7	metatarsus	12.1
63	796	1787				NC		metacarpus	89.1
63	1720	1921		118	102	NC			
63	893	1761		112	94	NC			
64	2088	1859							93.9
64	2233	1805	289	104	96	NC	62.7		93.4
64	1590	1870	114	102		NC	62.1	metatarsus	90.9
64	2289	2508	246	83	92			unknown	91.3
64	2278		304	118	97				93.8
64	1464	1806				NC			
64	2312	1830	285	94	99	NC		unknown	92.2
64	2526	1972		94	105	NC		unknown	91.9
64	2153	1972	303	109	104	NC		metatarsus	93
64	1398	1900	265	91	97	NC		femur	87.3
64	1452	1840	300	107	102	NC		metatarsus	91.6
64	2101	1951	268	94	97	NC	71.2	unknown	94.4
64	1707	1879		88	96	NC		unknown	91.4
64	2596					NC		metacarpus	87.9
64	1992	1188				NC			
65	2607	4211		90	89	NC	18	unknown	13.5
65	2959	4214				NC		metatarsus	28.7
65	3331		279	97	93	NC	71.3	metatarsus	92.9
65	2807			93	93	NC		metacarpus	89.9
65	3072					NC			77.6
65	3088	4234	263	90	91	NC	66.1	metatarsus	83.8
65	3394	4234	266	90	96	41	69.8		87.8
65	5040		262	84	95	NC	56.4		83.7
65	4935	4234	285	104	92	26	57.6		87.5
65	2814					31			
65	2678	4214		94	90	8	70.5	metatarsus	86.4
65	3424	4227		85	91	NC			78.9

Table 4D-6c (con'd). Caribou condition monitoring, fall 1997-1998.

CMU	Licence	Block	JAWBONE STATISTICS			FAT INDICES			
			Total Jaw Length (mm)	Diastema Length (mm)	Molar Row Length (mm)	Depth of Back Fat (mm) (NC = not checked)	% Mandible Marrow Fat	% Long Bone Marrow Fat	
								Bone	% MF
65	2618	4234				NC			43.1
65	3367	4223	257	89		18	65.5	metatarsus	84
65	3342	4214	255	91	88	0	53.8		92
65	2813			95	95	8		tibia	93.7
65	3008		265	89	99	25	58.7		88.2
65	2633	4224		85	92	35	58.6		88.9
65	3245	4214	243	81	94	NC	59.2		84.4
65	2820	4214	245	83	92	NC	63.9		88.7
65	3242	4214	259	87	89	16	69.7		
65	2817	4205	290	107	88	42	57.9		87.9
65	2832	4214	229			NC	43.5		56.4
65	2981	4211	259	94	92	5	66.4		89.5
65	3390	4224	275	94	94	20	71.5		
65	3265		244	85	90	30			94.6
65	3182		270	98	92	NC	59.2		89.6
65	4973		250	86	87	5	63.9	metatarsus	77.5
65	2766	4225		100	93	25	61.3		89.5
65	3225	4224				NC	67.4		
65	3371		250	78		11	59.9	metatarsus	86.5
65	3362	4205		84	91	?	69.1		86.2
65	3043	4214	258	91	88				89.3
65	3332	2882	264	86		NC	51		91.1
65	3226	2875	296	106	95	NC	63.6		
65	3072					0			
65	3160	4234		84	95	NC	59.9		87.3
65	2726	4215							
65	2903	4212				NC			
65	3155	2896	229					metatarsus	64.5
65	3079	4214	246	85	94	30			92.4
65	2943			96	89			metatarsus	90
65	2625	2875	264	86			66.4	metatarsus	89.8
65	2804	4224	295	111	95		78.7		
65	3090	4215	301	104	95				
65	3187								
65	3041	2875	253	82		NC	58.6		
65	3083	4214	275	99	97	NC	44.8	metatarsus	68.7
65	2688	4211		89	88		61.2	metatarsus	86
65	3023	4214	255	86	92				88.7
65	2680	4233					45.9		86.3
65	3288	4221	251	87			66.5		84.2
65	3372	4221	182						84
65	3339	4214	245	76	96				91.7
65	3347	4221	258	88	91		24.9		

Table 4D-6c (con'd). Caribou condition monitoring, fall 1997-1998.

CMU	Licence	Block	JAWBONE STATISTICS			FAT INDICES			
			Total Jaw Length (mm)	Diastema Length (mm)	Molar Row Length (mm)	Depth of Back Fat (mm) (NC = not checked)	% Mandible Marrow Fat	% Long Bone Marrow Fat	
								Bone	% MF
65	3201	4215		98	98				
65	2806							metatarsus	91
65	2782	4214	279	98	89		57.1		
65	2638	2885		81			74.1	metatarsus	90.9
65	3054		293	105	93		70	tibia	93.8
65	2812	4206		95	93		62.7	metatarsus	90.3
65	2730	4234							
65	3307			85					
65	3335	2893	252	85	94				
65	3041		253	82					
65	3275	4222		93	90				
65	3215	2875		98	93				
65	3106								
65	3417							tibia	91.6
65	3251	4215		87				unknown	90.6
65	3052	4222	241	79	89			metatarsus	87.4
65	3262	4221	252	80	97		62.6	radius-ulna	92.8
65	2749	4215		90	92			metacarpus	90.6
65	2870	4224		82	89		63.8	unknown	87
65	3062	4234	228				52.2	unknown	90.6
65	4936	2882	272	92	91		63.5	metatarsus	88.5
65	3145	4224		82		NC		unknown	85.7
65	2938			87	94	NC		humerus	87.2
65	2764					NC		metatarsus	65.1
65	2698	4224		95	96	NC		metatarsus	91.7
65	3132			92		NC		metatarsus	92.8
65	2737		254	83	95	NC		metatarsus	93.4
65	sick animal, Chance Cv. Park					NC		unknown	27.7
65	2670	4214	247	82	96	NC		metatarsus	93.3
65	3327		255	86	95	NC		unknown	88.1
65	3194					NC		metacarpus	88.4
65	3184			91	90				
65	2867		278	99	95	NC			
65	2798	4214	214	67		NC			
66	3586	1050	286	104	93	NC		unknown	96.3
66	3496	1043				NC		metatarsus	82.1
66	3480	1044	278	96	99	NC		metatarsus	76.7
66						NC		metatarsus	93.3
66	3535	1061	289	96	104	NC		metatarsus	93
67	3665	1769	283	98	95	NC	63		82.7
67	3951	1830		94	92				
67	3666	1769	237				55.6	metatarsus	88.7
67	3893	1830	293	109	98				

Table 4D-6c (con'd). Caribou condition monitoring, fall 1997-1998.

CMU	Licence	Block	JAWBONE STATISTICS			FAT INDICES			
			Total Jaw Length (mm)	Diastema Length (mm)	Molar Row Length (mm)	Depth of Back Fat (mm) (NC = not checked)	% Mandible Marrow Fat	% Long Bone Marrow Fat	
								Bone	% MF
67	3776	1881		104	99	NC		unknown	88.7
67	3873	1770	291	106	95	NC		metacarpus	57.1
67	3983	1790				NC			
68	4016	1183				NC			
69	4122	652	270	104	89		61.6	unknown	91.3
70	4201	1268	295	109	91		52.3	unknown	87.5
70	4202		313	124	99		47.8	unknown	93.7
70	4203		294	118	91		69.7	unknown	90.2
70	4205		308	116	100		52.9	unknown	90.3
70	4210		311	129	96		58	unknown	93.9
70	4212		323	129	98		63.7	unknown	94
70	4214		257				53.5	unknown	88
70	4215		260	91	97		61.5	unknown	92.1
70	4216		260				48.8	unknown	84.5
70	4217		260	87			43.3	unknown	87.1
70	4218		271	96	94		34.5	unknown	89
70	4219		299	113	94		51	unknown	87
70	4220		295	106	104		51.8	unknown	94.7
70	4221			96	100		54.3	unknown	88.9
70	4222						55.5	unknown	93.6
70	4223			110	102		64.1	unknown	90.6
70	4224			78			50.2	unknown	
77	4285	2778		111	94		18.1		
65	6192					NC			
64	1670	L12	276	98	92	NC			
65	2568		250	80		NC		metatarsus	
65	2627	F10	255	89	89	20		metatarsus	
65	2543		253	95	89			metatarsus	
65	2569		257	88	90	0		metatarsus	
65	2527	F12				NC		metatarsus	
65	2612	E11				NC		metatarsus	
65	2525	F12	205			0		metatarsus	
65	2598	F10				0		metatarsus	
65	2539	E11	255	85	89	25		metatarsus	
65	unknown: AV-2		250	88	89	NC		metatarsus	
65	unknown: AV-1								
65	2614		222			trace		metatarsus	
65	2579							metatarsus	
65	2613	F10	271	95	96	NC		metatarsus	
65	2638	F10		89	86	NC		metacarpus	
65	2619	D11				NC			
65	2529			91	91	NC			
65	2587	F10	255	85	88	NC			

Table 4D-6c (con'd). Caribou condition monitoring, fall 1997-1998.

CMU	Licence	Block	JAWBONE STATISTICS			FAT INDICES			
			Total Jaw Length (mm)	Diastema Length (mm)	Molar Row Length (mm)	Depth of Back Fat (mm) (NC = not checked)	% Mandible Marrow Fat	% Long Bone Marrow Fat	
								Bone	% MF
65	2530	D11			91	NC		metatarsus	
65	3899	G9		86		NC			
65	2629	C10	268	96	89	NC		metatarsus	
65	2582	D11		85	90	NC			
65	3898	F9		88	89	NC		metatarsus	
65	2609	E10		84	94	NC		metatarsus	
65	2531	F11	226			NC		metatarsus	
65	2535	F7	271	94	91	NC		metatarsus	
65	2577	C12	231			NC		unknown	
65	2608	G10				NC			
65	2591	G9	249	82	89	NC		unknown	
65	2564		259	92	86	NC		unknown	
65	2623	F10	279	99	90	NC		unknown	
65	2603		215	70		NC		metapodial	
65	2624	G10				NC		unknown	
65	2584	F10	274	96	90	NC		unknown	
65	2608	G10				NC		unknown	
65	2533		249	86	89	NC		unknown	
65	2570	F8		79	88	NC			
65	2561	G10	256	85	89	NC			
65	2571	F7		86	91	NC		metatarsus	
65	2542	C10		89	90	NC		metatarsus	
65	2544	G9				NC		decomposing	
65	2540	F5	249	86	86	NC		unknown	
65	2618	F10	282	95	98	NC			
65	6543	E11	242	80	91	NC			
65	2600	F10	237			NC		metatarsus	
65	2631	F10	275	96	88	NC			
65	2517	F10		83	91	NC		unknown	
65	6542	E11	257	86	89	NC		metacarpus	
65	2557		264	89	91	NC		metatarsus	
65	2520	F10	267	92	94	NC		unknown	
65	2606	F10	248	85	87	NC		unknown	
65	2634		270	90	93	NC		unknown	
65	4002		265	90	95	NC		unknown	
65	2538		230	74	86	NC			
66	2682							metacarpus	
68	4227	D5		108	95			metatarsus	
68	4238	D5	315	126	92			metacarpus	
68	4236	D5		112				metacarpus	
68	3145	E5	300	113	94			metatarsus	
68	4983	E5	318	119	97			metatarsus	
68	4235	E5						metatarsus	

Table 4D-6c (con'd). Caribou condition monitoring, fall 1997-1998.

CMU	Licence	Block	JAWBONE STATISTICS			FAT INDICES			
			Total Jaw Length (mm)	Diastema Length (mm)	Molar Row Length (mm)	Depth of Back Fat (mm) (NC = not checked)	% Mandible Marrow Fat	% Long Bone Marrow Fat	
								Bone	% MF
69	4171		300	109	104				
69	RK-6							metacarpus	
70	3293		301	109	101	NC		tibia or rad-ulna	
70	3303		308	118	101	NC		tibia or rad-ulna	
70	3309		303	117	94	NC		tibia or rad-ulna	
70	3302		278	92	100			tibia or rad-ulna	
70	3295		265	94	101			tibia or rad-ulna	
70	3291		288	103	100	NC		tibia or rad-ulna	
70	3290		270	101	96	NC		tibia or rad-ulna	
70	3296		300	108	100	NC		tibia or rad-ulna	
70	3297					NC		metatarsus	
70	3308					NC		unknown	
70	4020		252			NC		tibia or rad-ulna	
70	3305		287	104	95	NC		tibia or rad-ulna	
70	3306		263	93	90	NC		tibia or rad-ulna	
70	3300		247			NC		metatarsus	
70	3289		303	113	98				
70	3307			106	95	NC			
70	3292		235					unknown	
70	3295					NC		tibia	
70	4021		321	123	95			tibia	
70	3298	E10	277	89	102			metatarsus	
76	3371	K3	328	126	108	NC		metatarsus	
76	3372	K3	324	121	91	NC		unknown	
76	5172		302	112	101	NC		metatarsus	
76	3357	J3		108	96	NC		metatarsus	
76	4260							metatarsus	
77	3565	C5	303	112	99	NC		unk	
77	3494	D6	267	91	100	NC		unknown	
77	3597	D6				NC		metatarsus	
77	3537	D6	273	98	93	NC			
77	3509	B5	291	101	102	NC		metatarsus	
77	3508		268	95	101	NC		unknown	
77	5148	C4		114	91	NC		metatarsus	
77	5241		203			NC		unknown	
77	4122	C4	270	97	89	3		metatarsus	
77	3552		294	106	95	NC		metatarsus	
77	3504	C4	297	109	97	0		metacarpus	
77	3531	C4				15		metatarsus	
77	3529	C4	321	117	102	NC			
77	3527	C4				0			
77	3596	D4	310	113	95	0		metatarsus	
77	3573	C5	302	110	100	4		metatarsus	

Table 4D-6c (con'd). Caribou condition monitoring, fall 1997-1998.

CMU	Licence	Block	JAWBONE STATISTICS			FAT INDICES			
			Total Jaw Length (mm)	Diastema Length (mm)	Molar Row Length (mm)	Depth of Back Fat (mm) (NC = not checked)	% Mandible Marrow Fat	% Long Bone Marrow Fat	
								Bone	% MF
77	3527					NC			
77	3514	C4	294	108	91	NC		unknown	
77	5242		220			NC		unknown	
77	3593		210	74	57	NC		unknown	
77	3505		269	90	98	NC		unknown	
77	3533					NC			
HK-1 = roadkill?						NC		unknown	
Road Kill-7						NC		metatarsus	
label reads "RDKLL"						NC		metatarsus	
			309	122	98	NC			
Road Kill-2			218			NC		metapodial	
Road Kill-3						NC		metapodial	
Road Kill-1						NC		metapodial	

Table 4D-6d. Caribou condition monitoring, fall 1997-1998.

CMU	Licence	Block	Kidney Fat						Faecal Nitrogen (%FN)	NOTES
			% Marrow Fat + Non-Fat residue	Fat Trimmed (Y/N/ NNEC=not neccessary)	Number of Kidneys	Mass Peri-renal Fat (g)	Mass Kidney (g)	Kidney Fat Index (%)		
61	5137	1663								
62	598	1662		N	1	24.43	81.97	29.8		
62	681	1646		N??	1	25.35	87.89	28.8		
62	401	1635								
62	636	1081		N??	2	79.99	169.64	47.2		
62	559	1081		N??	2	22.89	152.55	15		
62	493	1645		N??	2	13.95	77.21	18.1		
63	757			N		106	13.1	12.3		
63	1123			N		91	94.4	96.4		
63	1231	1711								
63	827	1761								
63	1094	1764								
63	986	1762								
63	796	1787		N??	1	28.41	84.55	33.6		
63	1720	1921		N??	1	34.4	159.72	21.5		
63	893	1761		N??	1	32.57	89.02	36.6		
64	2088	1859								
64	2233	1805		N		111.6	168.3	66.3		
64	1590	1870		N		64.9	145	44.8		
64	2289	2508								
64	2278			N	1	17.03	94.77	18		
64	1464	1806		N	2	52.8	140.89	37.5		
64	2312	1830								
64	2526	1972		N??	1	59.71	136.89	43.6		
64	2153	1972		N??	1	117.64	153.09	76.8		
64	1398	1900		N??	1	38.88	131.96	29.5		
64	1452	1840		N??	1	56.94	172.83	32.9		
64	2101	1951								
64	1707	1879			2	50.19	85.81	58.5		
64	2596			N??	1	20.66	91.68	22.5		
64	1992	1188		N??	1	20.42	163.46	12.5		
65	2607	4211								
65	2959	4214		N	1	6.85	64.96	10.5		
65	3331			Y		73.6	101.9	72.2		
65	2807			N		49.4	108.1	45.7		
65	3072			N	1	9.08	71.76	12.7		
65	3088	4234		N						
65	3394	4234		N	1	89.4	107.3	83.3		
65	5040			N						
65	4935	4234		N	1	133.2	157.3	84.7		
65	2814			N						
65	2678	4214		N	1	24.29	88.09	27.6		

Table 4D-6d (con'd). Caribou condition monitoring, fall 1997-1998.

CMU	Licence	Block	Kidney Fat						Faecal Nitrogen (%FN)	NOTES
			% Marrow Fat + Non-Fat residue	Fat Trimmed (Y/N/ NNEC=not neccessary)	Number of Kidneys	Mass Peri-renal Fat (g)	Mass Kidney (g)	Kidney Fat Index (%)		
65	3424	4227		N						
65	2618	4234		Y						
65	3367	4223		N						
65	3342	4214		N						
65	2813			N						
65	3008			N						
65	2633	4224		Y		87.1	122.6	71		
65	3245	4214		N		3	87.6	3.4		
65	2820	4214		N	2	5.21	65.72	7.9		
65	3242	4214		N	1	19.32	102.14	18.9		
65	2817	4205		N		167.3	135.8	123.2		
65	2832	4214		N						
65	2981	4211		Unknown						
65	3390	4224		Unknown						
65	3265			N						
65	3182			N						
65	4973			N						
65	2766	4225		N						
65	3225	4224		N						
65	3371			N		25.2	79.5	31.7		
65	3362	4205		N						
65	3043	4214								
65	3332	2882		Unknown						
65	3226	2875								
65	3072			NNEC						possible brainworm infection
65	3160	4234								
65	2726	4215		N		36.6	90.2	40.6		
65	2903	4212		N	1	20.35	81.9	24.8		
65	3155	2896		N		6.8	69.3	9.8		
65	3079	4214		N		103.9	96.3	107.9		
65	2943			N		72.7	108.8	66.8		
65	2625	2875		N		97.6	89.2	109.4		
65	2804	4224		N		207	193.4	107		
65	3090	4215		N		71.2	145.2	49		
65	3187			N		29.8	122.3	24.3		
65	3041	2875		N	2	12.52	74.97	16.7		
65	3083	4214		N	1	16.47	101.35	16.3		
65	2688	4211								
65	3023	4214								
65	2680	4233		N	1	7.5	54.68	13.7		
65	3288	4221								

Table 4D-6d (con'd). Caribou condition monitoring, fall 1997-1998.

CMU	Licence	Block	Kidney Fat						Faecal Nitrogen (%FN)	NOTES
			% Marrow Fat + Non-Fat residue	Fat Trimmed (Y/N/ NNEC=not neccessary)	Number of Kidneys	Mass Peri-renal Fat (g)	Mass Kidney (g)	Kidney Fat Index (%)		
65	3372	4221								
65	3339	4214								
65	3347	4221		NNEC						
65	3201	4215		Y	1	9.15	61.11	15		
65	2806			N	2	35.54	82.7	43		
65	2782	4214		N	1	25.44	107.22	23.7		reported seeing several hundred warbles
65	2638	2885		N	1	31.08	77.9	39.9		
65	3054			N	1	173.13	130.2	132.2		
65	2812	4206		N	1	35.52	111.34	31.9		
65	2730	4234		N	2	15.85	83.51	19		
65	3307			N	1	27.13	76.34	35.5		
65	3335	2893		N??	1	12.52	86.79	14.4		
65	3041			N??	2	12.52	74.97	16.7		
65	3275	4222		N??	1	7.13	84.36	8.5		
65	3215	2875		N	1	11.7	96.28	11.7		
65	3106			N	1	4.67	40.25	11.6		
65	3417									
65	3251	4215								
65	3052	4222								
65	3262	4221								
65	2749	4215		N??	1	47.31	75.84	62.4		
65	2870	4224								
65	3062	4234								
65	4936	2882		N??	1	41.37	87.61	47.2		
65	3145	4224								
65	2938									
65	2764			N??	1	3.97	35.35	11.2		
65	2698	4224		N??	2	41.94	124.65	33.6		
65	3132			N??	1	28.01	79.33	35.3		
65	2737				1	66.59	115.16	57.8		
65	sick animal, Chance Cv. Park			N??	1	5.43	60.76	8.9		
65	2670	4214		N??	1	34.87	67.36	51.8		
65	3327			N??	2	35.8	87.01	41.1		
65	3194			N??	1	12.05	86.91	13.9		
65	3184			N??	1	51.77	93.31	55.5		
65	2867			N??	2	39.62	124.54	31.8		
65	2798	4214		N??	2	6.78	62.98	10.8		
66	3586	1050		N??	2	22.89	152.55	15		
66	3496	1043								
66	3480	1044		N??	1	42.45	122.25	34.7		
66				N??	1	80.8	122.6	65.9		

Table 4D-6d (con'd). Caribou condition monitoring, fall 1997-1998.

CMU	Licence	Block	Kidney Fat						Faecal Nitrogen (%FN)	NOTES
			% Marrow Fat + Non-Fat residue	Fat Trimmed (Y/N/ NNEC=not neccessary)	Number of Kidneys	Mass Peri-renal Fat (g)	Mass Kidney (g)	Kidney Fat Index (%)		
66	3535	1061		N??	2	101.11	134.82	75		
67	3665	1769		N	1	52.31	81.63	64.1		Reported seeing a lot of fat
67	3951	1830		N	1	17.6	87.08	20.2		
67	3666	1769								
67	3893	1830								
67	3776	1881		N??	1	65.99	101.3	65.1		
67	3873	1770		N??	2	18.81	161.37	11.7		
67	3983	1790		N??	1	35.66	85.27	41.8		
68	4016	1183			1	11.63	74.57	15.6		
69	4122	652		N??	1	26.88	133.95	20.1		
70	4201	1268								
70	4202									
70	4203									
70	4205									
70	4210									
70	4212									
70	4214									
70	4215									
70	4216									
70	4217									
70	4218									
70	4219									
70	4220									
70	4221									
70	4222									
70	4223									
70	4224									
77	4285	2778		N						
65	6192			N??	1	35.31	91.78	38.5		
64	1670	L12								Animal reported to be in excellent condition
65	2568		90.2							Animal reported to be in good condition
65	2627	F10	92.4	N	1	24.29	85.05	92.4		Animal appeared to be in excellent condition
65	2543		91	unknown						Animal reported to be in good condition
65	2569		89.3	N	1	57.57	94.37	61		
65	2527	F12	92.4			trace				
65	2612	E11	83.7			trace				

Table 4D-6d (con'd). Caribou condition monitoring, fall 1997-1998.

CMU	Licence	Block	Kidney Fat						Faecal Nitrogen (%FN)	NOTES
			% Marrow Fat + Non-Fat residue	Fat Trimmed (Y/N/ NNEC=not neccessary)	Number of Kidneys	Mass Peri-renal Fat (g)	Mass Kidney (g)	Kidney Fat Index (%)		
65	2525	F12	72.2							Animal appeared very thin
65	2598	F10	90.6			not collected				No kidney or mesenteric fat
65	2539	E11	87.9			Estimate 40-50 g.				Animal appeared to be in very good condition - abundant visceral fat
65	unknown AV-2		87.3							
65	unknown AV-1									
65	2614		79.5							Animal appeared to be in good shape - relatively abundant visceral fat
65	2579		81.6							
65	2613	F10	91.8							Animal was reported to be in good condition
65	2638	F10	89.3	N	1	33.63	93.04	36.1		Behavior described as "NORMAL"
65	2619	D11		unknown			trace			
65	2529				1	52.73	97.78	53.9		
65	2587	F10								Reported that animal appeared v. healthy (Est. 2 in. "Back Fat")
65	2530	D11	80.4	N	1	22.25	85.51	26		
65	3899	G9		Only part of 1 kidney submitted						Appeared to have had considerable PR Fat
65	2629	C10	85.6	unknown - may have been trimmed	1	9.33				
65	2582	D11		N	1	13.63	106.9	12.8 *		* PR Fat appears intact, but may have been trimmed
65	3898	F9	88.1	unknown	1	trace				
65	2609	E10	84.8	N	1	18.08	124.14	14.6		
65	2531	F11		N	1	50.71	69.49	73		Trace back fat reported
65	2535	F7	89.5							Reported seeing a lot of back fat
65	2577	C12	86.1	N	1	trace				
65	2608	G10								Reported seeing "some" back fat
65	2591	G9	89.6	N	1	17.94	89.07	20.1		Reported to have been in good condition
65	2564		91.4	unknown	1	8.52 *				* Difficult to tell if fat was trimmed

Table 4D-6d (con'd). Caribou condition monitoring, fall 1997-1998.

CMU	Licence	Block	Kidney Fat						Faecal Nitrogen (%FN)	NOTES
			% Marrow Fat + Non-Fat residue	Fat Trimmed (Y/N/ NNEC=not neccessary)	Number of Kidneys	Mass Peri-renal Fat (g)	Mass Kidney (g)	Kidney Fat Index (%)		
65	2623	F10	92.5	N	1	55.94	95.49	58.6		
65	2603		8.8			0		0		probable E. rangiferi infection - appears in v. poor cond. - carcass retained
65	2624	G10	92.7	N	1	48	107.78	44.5		Reported that animal appeared v. healthy - lots of visceral fat
65	2584	F10	92.5	unknown - only small fragment - no PR fat obs.						
65	2608	G10	78.6	N	1	27.62	86.27	32		Reported seeing "some" backfat
65	2533		90	Y		0 *				* Fat appears trimmed fr. kidney - abundant fat obs. on seg. of small intestine
65	2570	F8	84.2	N	1	8.91	81.84	10.9		
65	2561	G10								
65	2571	F7	88.6	N	1	41.89	93.93	44.6		Sm. intestine & kidney surrounded by fat. Intestine stuffed w. fecal pellets.
65	2542	C10	91.1	N	1	44.24	86.34	51.2		Kidney surrounded by fat
65	2544	G9								Reported seeing good quantities of SC and viseral fat. Behavior normal.
65	2540	F5	91.7	N	1	16.5	92.43	17.8		
65	2618	F10								Reported abundant SC and visceral fat
65	6543	E11		N	1	92.69	85.94	107.8		Reported that animal had abundant SC & visceral fat
65	2600	F10	89.2	N	1	28.4	83.08	34.2		
65	2631	F10		N	1	18.4	121.1	15.2		
65	2517	F10	89.1	N	1	45.5	86.27	52.7		Kidney surrounded by fat
65	6542	E11	87.3	N	1	47.35	75.5	62.7		
65	2557		45.9							
65	2520	F10	90.1	N	1	23.96	98.15	24.4		
65	2606	F10	89.7							
65	2634		92.6							
65	4002		94.1							

Table 4D-6d (con'd). Caribou condition monitoring, fall 1997-1998.

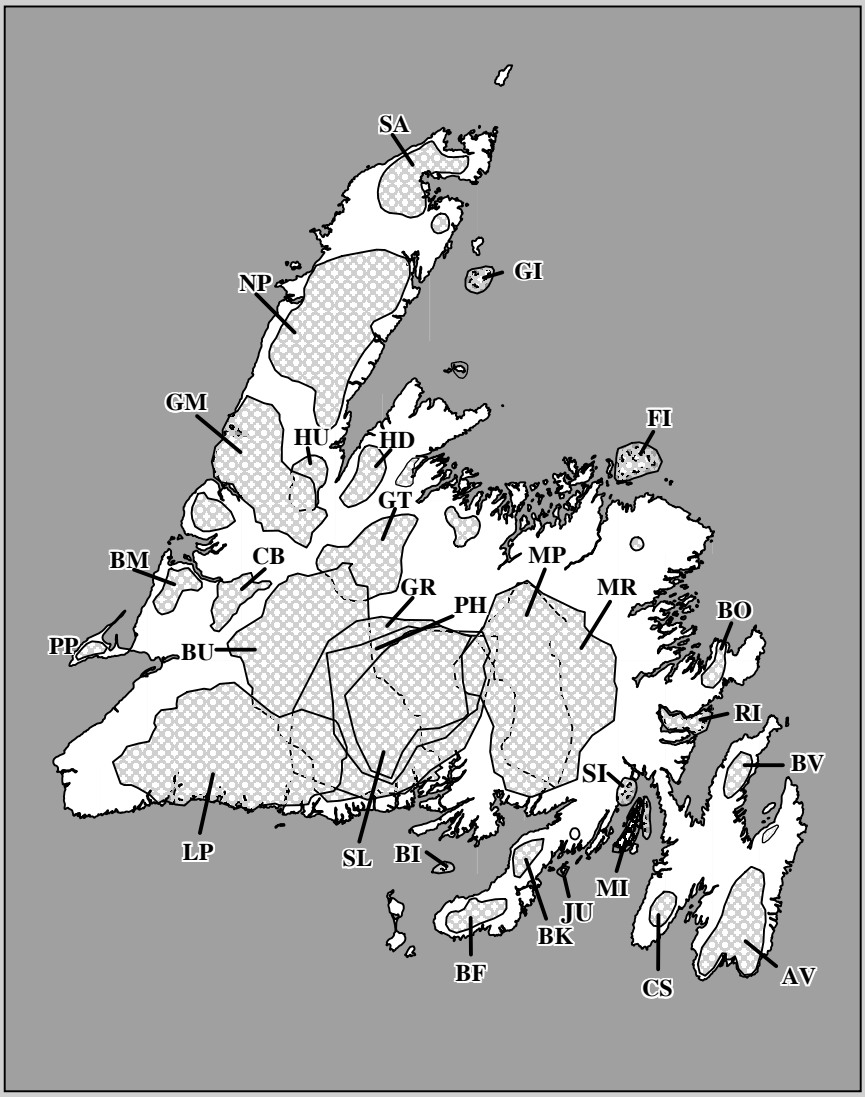
CMU	Licence	Block	Kidney Fat						Faecal Nitrogen (%FN)	NOTES
			% Marrow Fat + Non-Fat residue	Fat Trimmed (Y/N/ NNEC=not neccessary)	Number of Kidneys	Mass Peri-renal Fat (g)	Mass Kidney (g)	Kidney Fat Index (%)		
65	2538			N	1	32.79	70.65	46.4		
66	2682		90							
68	4227	D5	87.3							
68	4238	D5	90.7							
68	4236	D5	76.1							
68	3145	E5	90.6							
68	4983	E5	87.4							
68	4235	E5	86.8							
69	4171									
69	Road Kill-6		67.5							
70	3293		93							
70	3303		93.3							
70	3309		94							
70	3302		92.1							
70	3295		90.6							
70	3291		92.4							
70	3290		93.3							
70	3296		95							
70	3297		81.6							
70	3308		93							
70	4020		84.5							
70	3305		91.2							
70	3306		89.4							
70	3300		88.8							
70	3289									
70	3307									
70	3292		80.4							
70	3295		91.1							
70	4021		93.4							
70	3298	E10	91.1							
76	3371	K3	54.9							
76	3372	K3	58							
76	5172		71.3							
76	3357	J3	85							
76	4260		26.8							
77	3565	C5	87.2	N	1	76.28	137.94	55.3		Reported approx. 3 1/2 in. fat in pelvic region
77	3494	D6	83.6	unknown	1	11.15 *				* Part of kidney missing
77	3597	D6	87.3	N	2	16.02	66.2	24.2		
77	3537	D6		N	1	38.65	113.43	34.1		Reported to be in good condition - abundant SC & visceral fat

Table 4D-6d (con'd). Caribou condition monitoring, fall 1997-1998.

CMU	Licence	Block	Kidney Fat						Faecal Nitrogen (%FN)	NOTES
			% Marrow Fat + Non-Fat residue	Fat Trimmed (Y/N/ NNEC=not neccessary)	Number of Kidneys	Mass Peri-renal Fat (g)	Mass Kidney (g)	Kidney Fat Index (%)		
77	3509	B5	94	looks like some pr fat trimmed	1	24.99	130.65	19.1		
77	3508		96.3							
77	5148	C4	75.6	looks like some pr fat trimmed	1	60.96	162.38	37.5		
77	5241		77.2							
77	4122	C4	45.7	N	1	36.55	120.86	30.2		
77	3552		90.1	N	1	58.76	139.68	42.1		Kidney & rectum surrounded by fat, fecal pellets large & well formed
77	3504	C4	33	looks like some pr fat trimmed	1	23	138.15	16.6		
77	3531	C4	83.2	N	1	57.42	98.62	58.2		
77	3529	C4								
77	3527	C4		N	1	36.3	97.53	37.2		
77	3596	D4	73.6		1	28.87	134.63	21.4		
77	3573	C5	89.9							
77	3527									Kidney surrounded by fat
77	3514	C4	49.7							
77	5242		76.9							
77	3593		68.5							
77	3505		88.7							
77	3533				1	22.56	71.72	31.4		
HK-1 = roadkill?			54.9							
Road Kill-7			80.6							
label reads "RDKLL"			91.5							
Road Kill-2			77.3							
Road Kill-3			46.6							
Road Kill-1			68.8							

Section 4E:

Statistical Comparisons: Body Morphology



Caribou Herds

Avalon (AV)
Bay de Verde (BV)
Blow Me Down Mtn (BM)
Bonavista (BO)
Brunette Island (BI)
Burin Foot (BF)
Burin Knee (BK)
Buchans (BU)
Cape Shore (CS)
Corner Brook Lakes (CB)
Fogo Island (FI)
Gaff Topsails (GT)
Grey Islands (GI)
Grey River (GR)
Gros Morne (GM)
Hampden Downs (HD)
Humber (HU)
Jude Island (JI)
La Poile (LP)
Merasheen Island (MI)
Middle Ridge (MR)
Mount Peyton (MP)
Northern Peninsula (NP)
Port au Port (PP)
Pot Hill (PH)
Random Island (RI)
Sandy Lake (SL)
Sound Island (SI)
St. Anthony (SA)

Table 4E-1. Mean body weight (± 1 SD) for calves from insular Newfoundland caribou herds.

Herd	Females			Males		
	Weight (kg)	SD	N	Weight (kg)	SD	N
Combined	85.3	15.5	347	90.9	15	406
Avalon	7.4	1.4	23	7.7	1.3	29
Buchans	8.8	1.0	70	9.2	1.2	66
Cape Shore	8.7	2.0	8	9.1	0.0	2
Corner Brook Lakes	8.7	1.1	6	9.3	1.7	16
Grey River	8.3	1.6	91	8.9	2.8	131
Gros Morne	8.1	1.6	33	8.2	1.4	37
La Poile	7.5	1.0	51	7.8	1.1	55
Middle Ridge	7.9	1.3	46	8.3	1.5	55
Pot Hill	10.4	2.4	6	12.3	2.3	8
Sandy Lake	9.5	2.1	13	10.1	1.7	7

Analysis of Covariance

Dependent Variable: WEIGHT
Multiple R: 0.447

N: 752
Squared multiple R: 0.200

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
HERD	248.561	9	27.618	13.258	**0.000**
SEX	17.491	1	17.491	8.397	**0.004**
HERD X SEX	9.862	9	1.096	0.526	0.856
YEAR	2.819	1	2.819	1.353	0.245
Error	1522.748	731	2.083		

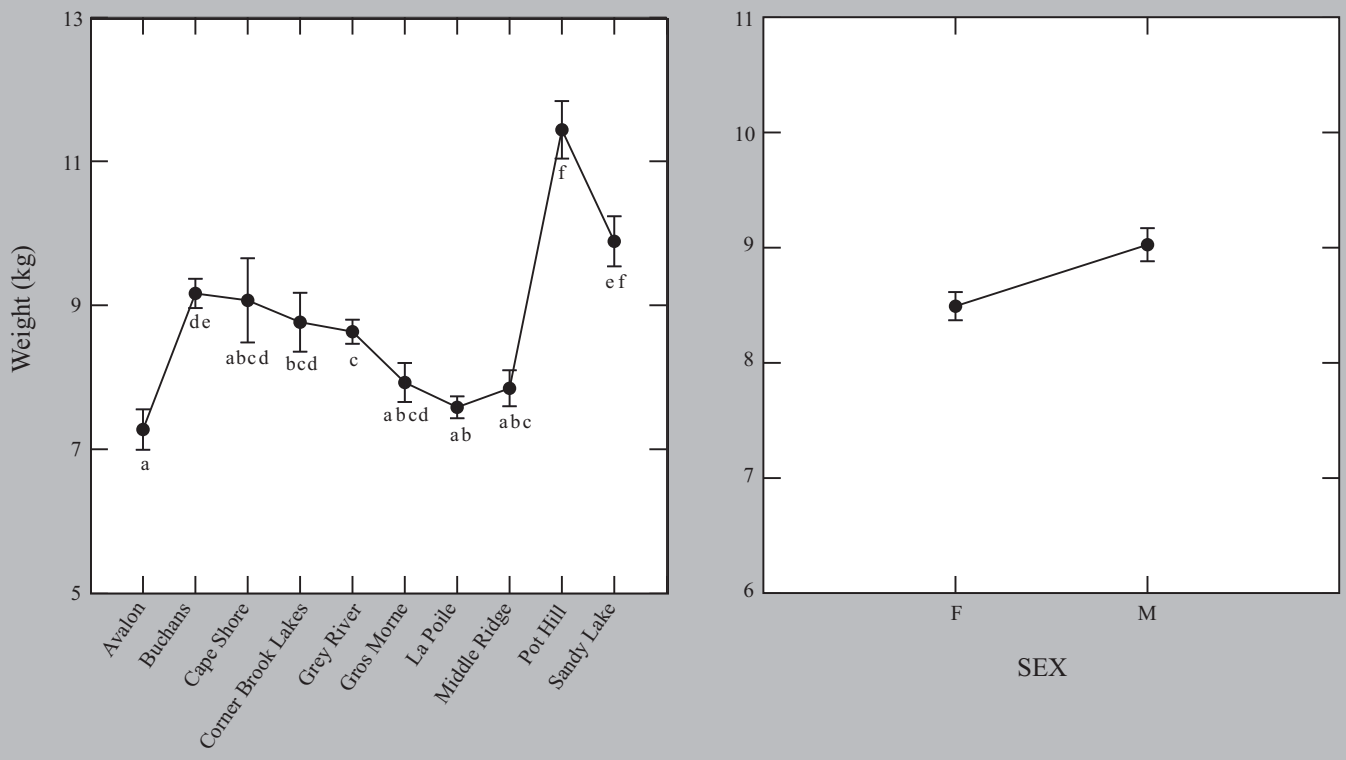


Fig. 4E-1. ANCOVA and post-hoc Bonferonni comparisons were conducted to detect differences in calf weights among caribou herds and between sexes. Year was used as a covariate. Least square mean calf weights are shown (± 1 SE). Significant differences among herds are indicated by different letters.

Table 4E-2. Mean total body length (± 1 SD) for calves from insular Newfoundland caribou herds.

Herd	Females			Males		
	Body Length (cm)	**SD**	**N**	**Body Length (cm)**	**SD**	**N**
Combined	734.4	49.4	260	749.5	51.4	314
Avalon	79.4	6.0	12	81.8	5.7	15
Buchans						
Cape Shore	81.5	6.1	8	85.0	1.0	2
Corner Brook Lakes	82.6	4.3	6	83.8	5.8	15
Grey River	80.6	5.2	95	81.9	4.9	134
Gros Morne	79.1	6.7	35	78.8	8.1	37
La Poile	77.8	5.1	49	79.3	6.0	55
Middle Ridge	83.2	4.4	36	83.6	5.3	40
Pot Hill	86.8	5.8	6	92.9	7.8	8
Sandy Lake	83.4	5.8	13	82.4	6.8	8

Analysis of Covariance

Dependent Variable: TOTAL BODY LENGTH
Multiple R: 0.406

N: 573
Squared multiple R: 0.165

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
HERD	2837.337	8	354.667	11.064	**0.000**
SEX	134.619	1	134.619	4.2000	**0.041**
HERD X SEX	170.230	8	21.279	0.664	0.724
YEAR	355.827	1	355.827	11.100	**0.001**
Error	17758.933	554	32.056		

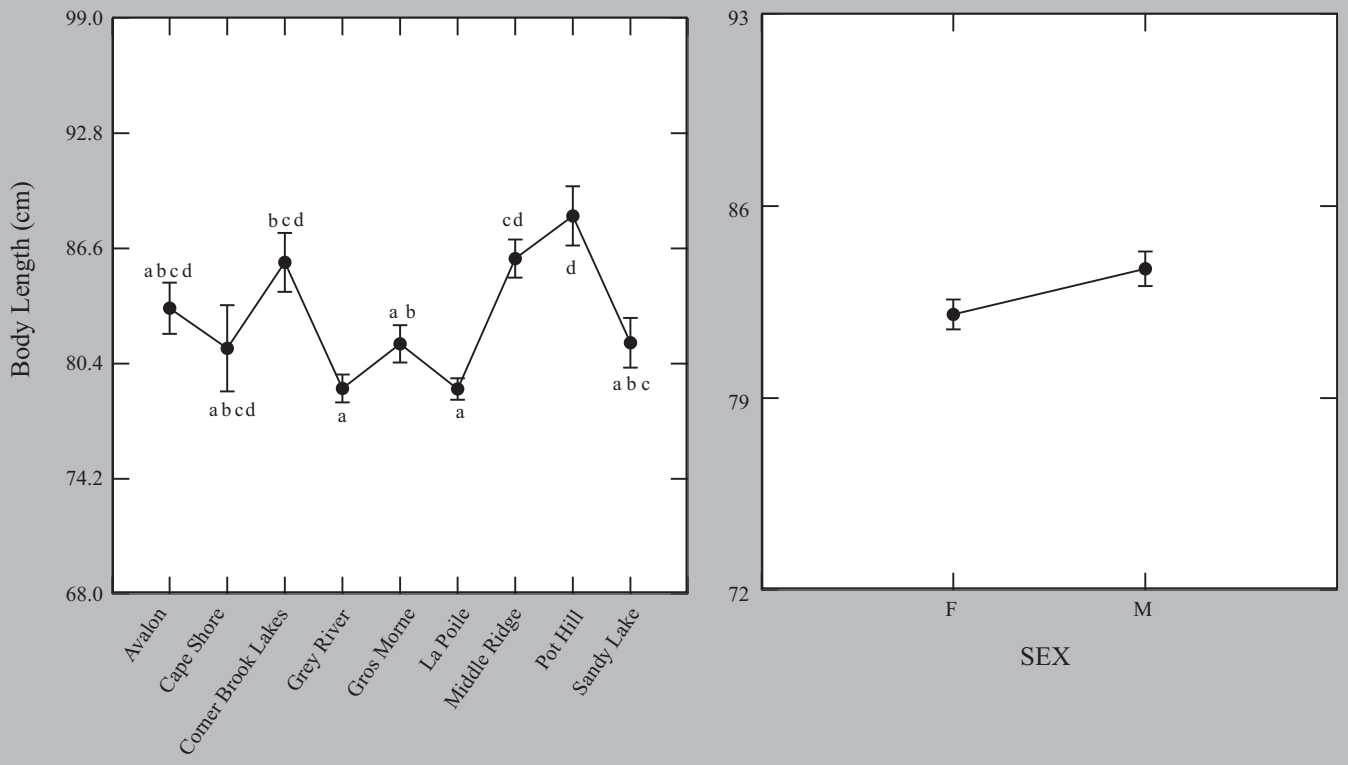


Fig. 4E-2. ANCOVA and post-hoc Bonferonni comparisons were conducted to detect differences in calf body lengths among caribou herds and between sexes. Year was used as a covariate. Least square mean calf body lengths are shown (± 1 SE). Significant differences among herds are indicated by different letters.

Table 4E-3. Mean heart girth (± 1 SD) for calves from insular Newfoundland caribou herds.

Herd	Females			Males		
	Heart Girth (cm)	**SD**	**N**	**Heart Girth (cm)**	**SD**	**N**
Combined	414.6	29	267	416.0	34.3	332
Avalon	42.6	3.6	23	42.8	4.3	29
Buchans						
Cape Shore	46.3	4.7	8	47.0	1.0	2
Corner Brook Lakes	47.9	1.4	6	47.0	4.2	15
Grey River	44.8	3.7	83	45.0	4.1	127
Gros Morne	47.0	3.4	34	47.6	4.2	36
La Poile	45.0	2.6	48	45.8	3.2	52
Middle Ridge	44.4	2.9	46	45.4	3.4	55
Pot Hill	49.5	2.6	6	47.8	6.2	8
Sandy Lake	47.1	4.1	13	47.6	3.7	8

Analysis of Covariance

Dependent Variable: HEART GIRTH N: 598
Multiple R: 0.379 Squared multiple R: 0.144

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
HERD	1240.885	8	155.111	11.429	**0.000**
SEX	1.116	1	1.116	0.082	0.774
HERD X SEX	45.166	8	5.646	0.416	0.912
YEAR	243.601	1	243.601	17.949	**0.000**
Error	7858.047	579	13.572		

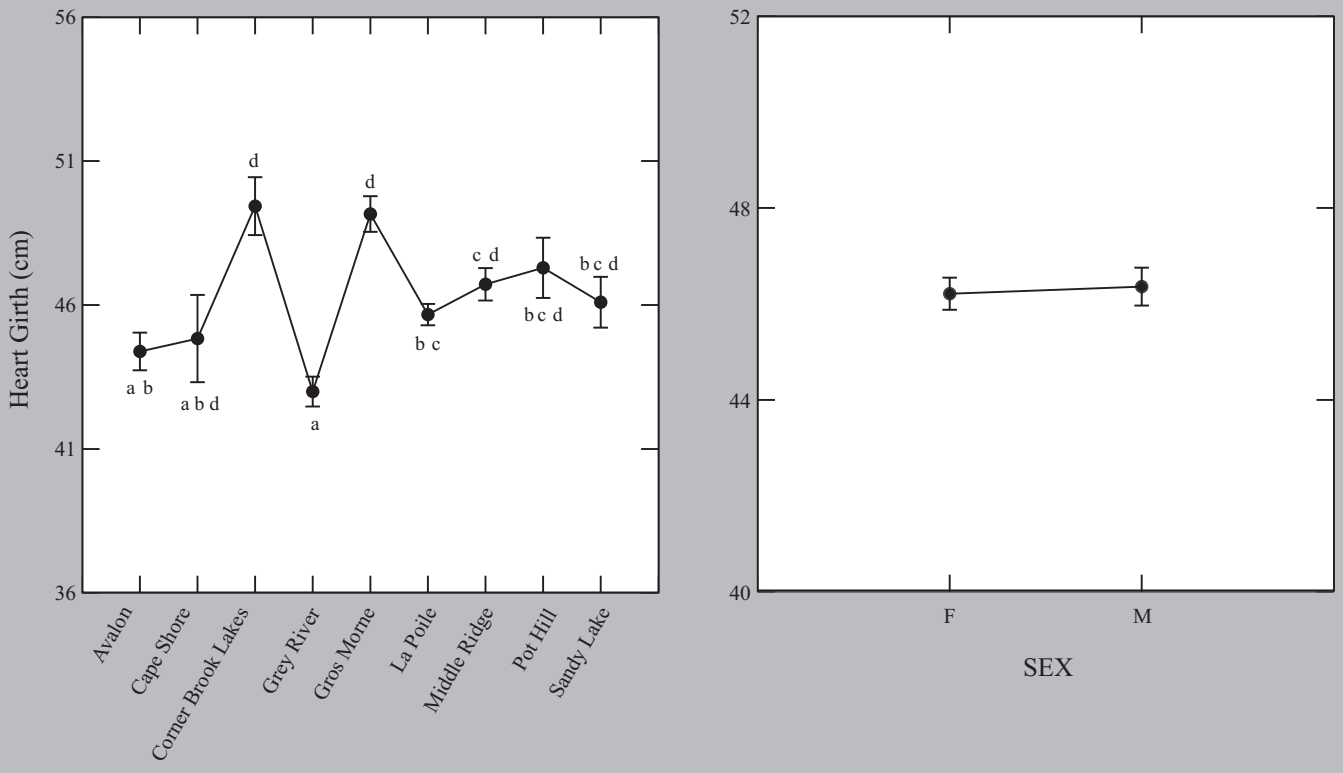


Fig. 4E-3. ANCOVA and post-hoc Bonferonni comparisons were conducted to detect differences in calf heart girths among caribou herds and between sexes. Year was used as a covariate. Least square mean calf heart girths are shown (± 1 SE). Significant differences among herds are indicated by different letters.

Table 4E-4. Mean shoulder height (± 1 SD) for calves from insular Newfoundland caribou herds.

Herd	Females			Males		
	Shoulder Height (cm)	SD	N	Shoulder Height (cm)	SD	N
Combined	550.1	32.2	208	557.5	38.7	267
Avalon	61.2	2.5	12	61.5	2.9	15
Buchans						
Cape Shore	60.1	2.9	8	63.5	2.5	2
Corner Brook Lakes	62.8	3.0	6	59.3	5.5	15
Grey River	61.4	3.9	78	62.2	4.3	114
Gros Morne	60.2	4.4	35	60.4	4.9	36
La Poile	59.2	3.7	14	61.0	3.5	29
Middle Ridge	62.0	4.0	36	63.3	4.3	40
Pot Hill	62.2	2.2	6	65.9	3.8	8
Sandy Lake	61.0	5.6	13	60.4	7.0	8

Analysis of Covariance

Dependent Variable: SHOULDER HEIGHT N: 474
Multiple R: 0.322 Squared multiple R: 0.104

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
HERD	676.391	8	84.549	4.726	**0.000**
SEX	33.216	1	33.216	1.856	0.174
HERD X SEX	163.163	8	20.395	1.140	0.335
YEAR	279.548	1	279.548	15.624	**0.000**
Error	8140.720	455	17.892		

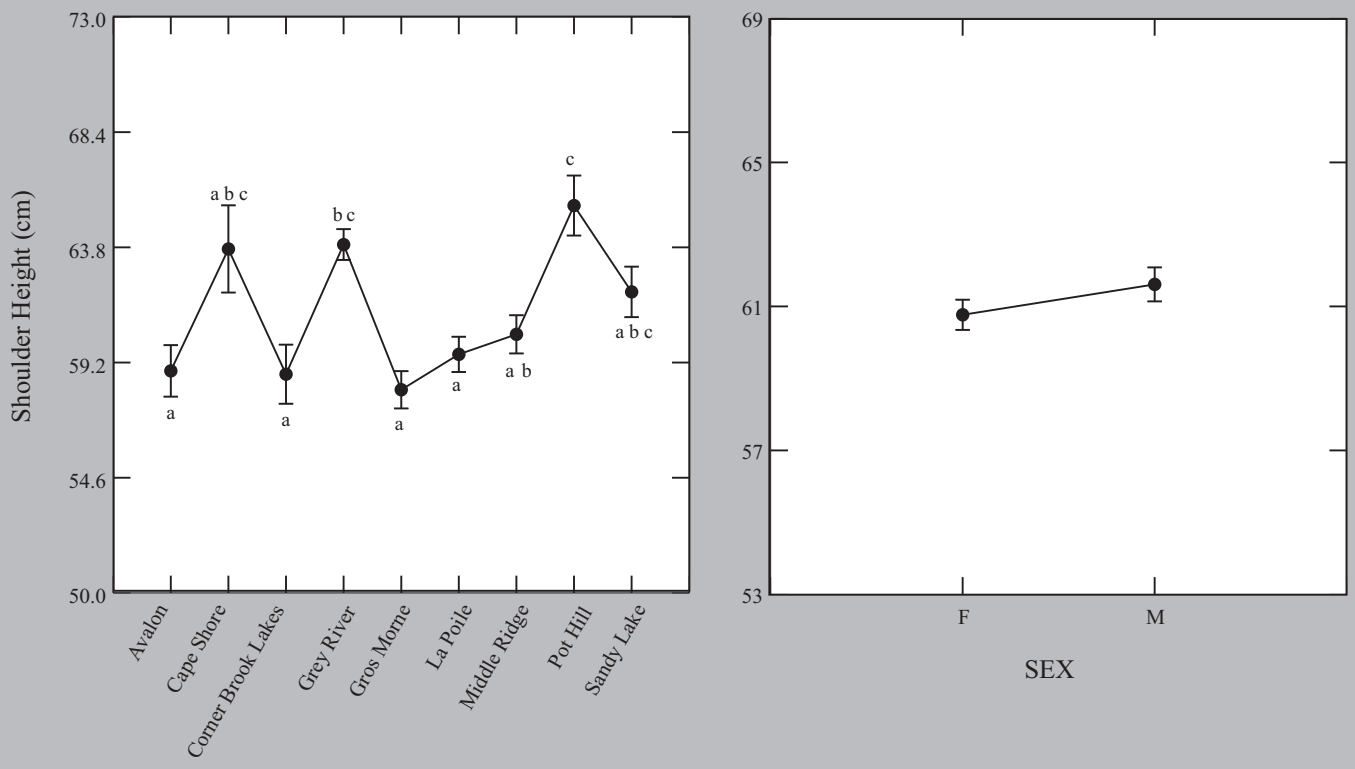


Fig. 4E-4. ANCOVA and post-hoc Bonferonni comparisons were conducted to detect differences in calf shoulder heights among caribou herds and between sexes. Year was used as a covariate. Least square mean calf shoulder heights are shown (± 1 SE). Significant differences among herds are indicated by different letters.

Table 4E-5. Mean hind foot length (± 1 SD) for calves from insular Newfoundland caribou herds.

Herd	Females			Males		
	Hind Foot Length (cm)	SD	N	Hind Foot Length (cm)	SD	N
Combined	275.1	12.3	165	280.5	13.3	200
Avalon	32.5	1.3	10	32.5	1.0	10
Buchans						
Cape Shore	33.8	2.0	8	33.5	0.5	2
Corner Brook Lakes	34.9	0.8	6	35.3	1.9	16
Grey River	34.7	1.6	71	35.3	1.8	92
Gros Morne						
La Poile	33.3	1.5	15	34.4	1.5	24
Middle Ridge	34.3	1.4	36	34.8	1.6	40
Pot Hill	35.4	1.1	6	37.7	1.3	8
Sandy Lake	36.2	2.6	13	37.0	3.7	8

Analysis of Covariance

Dependent Variable: HIND FOOT LENGTH N: 365
Multiple R: 0.488 Squared multiple R: 0.238

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
HERD	215.883	7	30.840	10.041	**0.000**
SEX	15.453	1	15.453	5.031	**0.026**
HERD X SEX	16.875	7	2.411	0.785	0.600
YEAR	9.728	1	9.728	3.167	0.076
Error	1068.915	348	3.072		

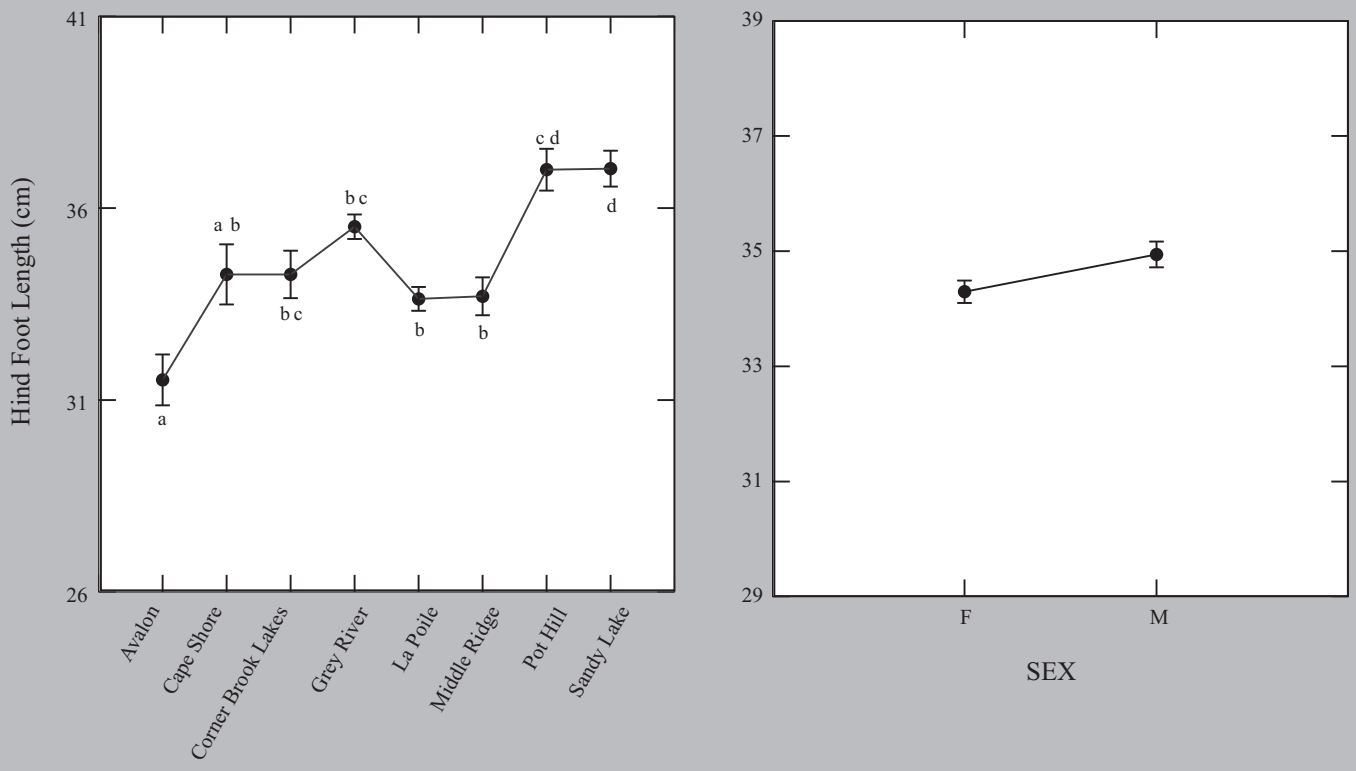


Fig. 4E-5. ANCOVA and post-hoc Bonferonni comparisons were conducted to detect differences in calf hind foot lengths among caribou herds and between sexes. Year was used as a covariate. Least square mean calf hind foot lengths are shown (± 1 SE). Significant differences among herds are indicated by different letters.

Table 4E-6. Mean body weight (± 1 SD) for adults from insular Newfoundland caribou herds.

Herd	Females			Males		
	Weight (kg)	SD	N	Weight (kg)	SD	N
Combined	1156.1	164.6	361	1406.3	269.6	100
Avalon	93.0	16.9	48	180.1	56.7	27
Brunette	86.3	9.9	10	99.8	24.7	4
Buchans	107.4	9.4	33	130.3	23.6	9
Cape Shore	94.1	8.0	2	117.9		1
Corner Brook Lakes	86.9	15.6	8	110.0		1
Grey River	101.9	10.4	80	153.3	22.2	10
Grey Islands	90.6	13.9	5	151.8	15.6	5
Gros Morne	107.9	39.3	31	205.9	75.2	11
La Poile	83.2	15.9	85	111.4	17.3	20
Merasheen Island	97.7	8.1	9			0
Middle Ridge	92.8	12.8	46	145.8	34.3	12
Northern Peninsula	114.3	4.4	4			0

Analysis of Covariance

Dependent Variable: Body Weight
Multiple R: 0.778

N: 433
Squared multiple R: 0.605

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
HERD	108935.313	7	15562.188	25.151	**0.000**
SEX	128850.962	1	128850.962	208.242	**0.000**
HERD X SEX	64635.706	7	9233.672	14.923	**0.000**
YEAR	4904.928	1	4904.928	7.927	**0.005**
Error	257402.258	416	618.755		

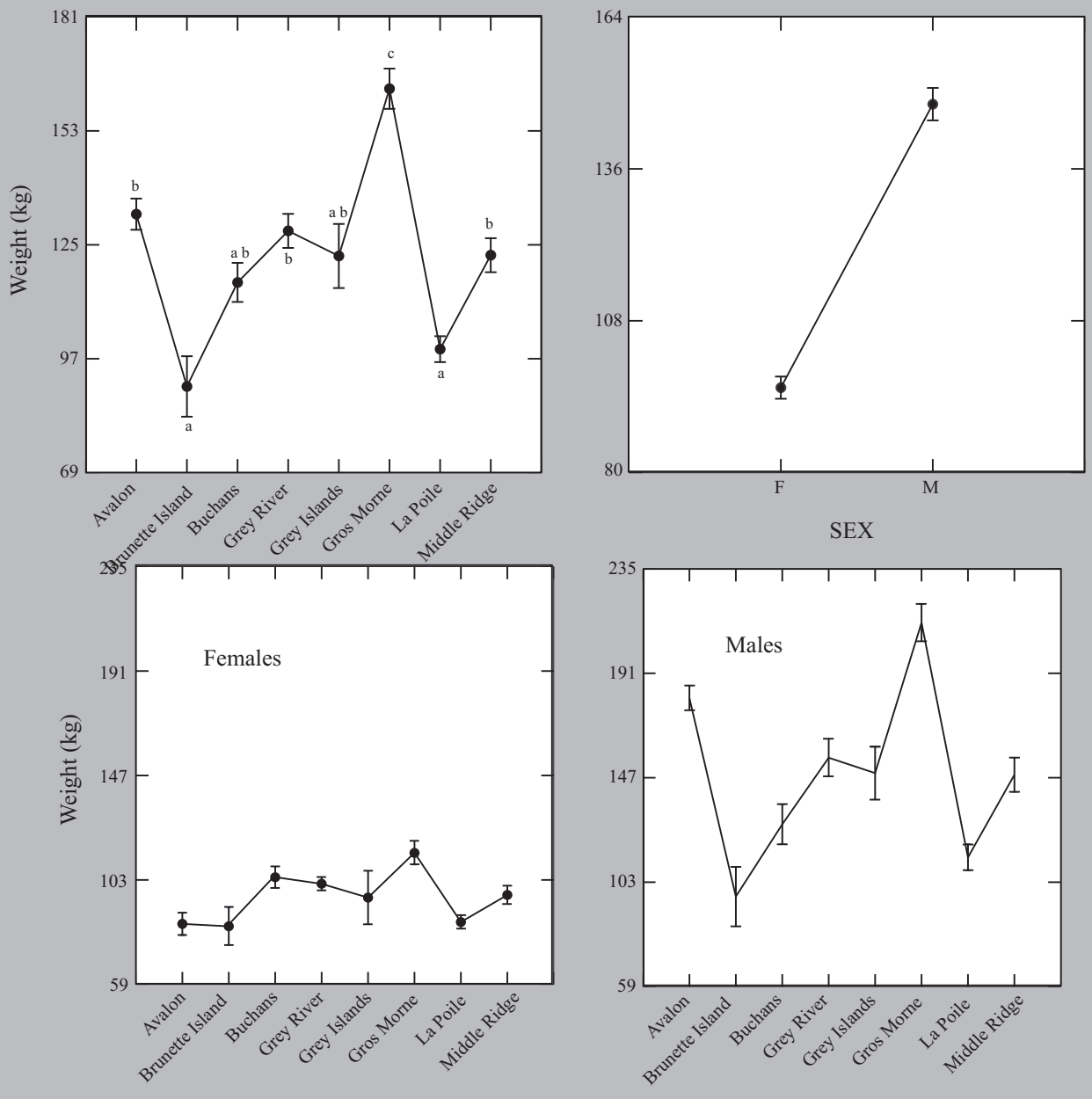


Fig. 4E-6. ANCOVA and post-hoc Bonferonni comparisons were conducted to detect differences in adult body weight among caribou herds and between sexes. Year was used as a covariate. Least square mean adult body weights are shown (± 1 SE). Significant differences among herds are indicated by different letters.

Table 4E-7. Mean total body length (± 1 SD) for adults from insular Newfoundland caribou herds.

Herd	Females			Males		
	Body Length (cm)	**SD**	**N**	**Body Length (cm)**	**SD**	**N**
Combined	2006.2	128.7	534	1974.3	141.8	222
Avalon	191.1	13.6	17	191.5	27.5	13
Brunette	180.3	10.9	10	189.9	9.6	4
Buchans	181.8	13.0	60	200.4	13.0	25
Cape Shore			0			0
Corner Brook Lakes	183.2	8.5	15	198.5	10.0	5
Grey River	182.4	17.4	131	196.4	9.1	17
Grey Islands	185.3	6.7	4	219.7	12.3	5
Gros Morne	179.8	14.0	55	184.7	13.0	33
La Poile	177.5	9.9	132	198.3	11.2	36
Merasheen Island	174.0	11.0	27	190.2	21.7	54
Middle Ridge	186.9	13.1	72	204.7	14.4	30
Northern Peninsula	183.9	10.6	11			0

Analysis of Covariance

Dependent Variable: Body Length N: 742
Multiple R: 0.566 Squared multiple R: 0.320

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
HERD	8989.355	9	998.817	6.170	**0.000**
SEX	14853.867	1	14853.867	91.763	**0.000**
HERD X SEX	4593.010	9	510.334	3.153	**0.001**
YEAR	5491.386	1	5491.386	33.924	**0.000**
Error	116709.130	721	161.871		

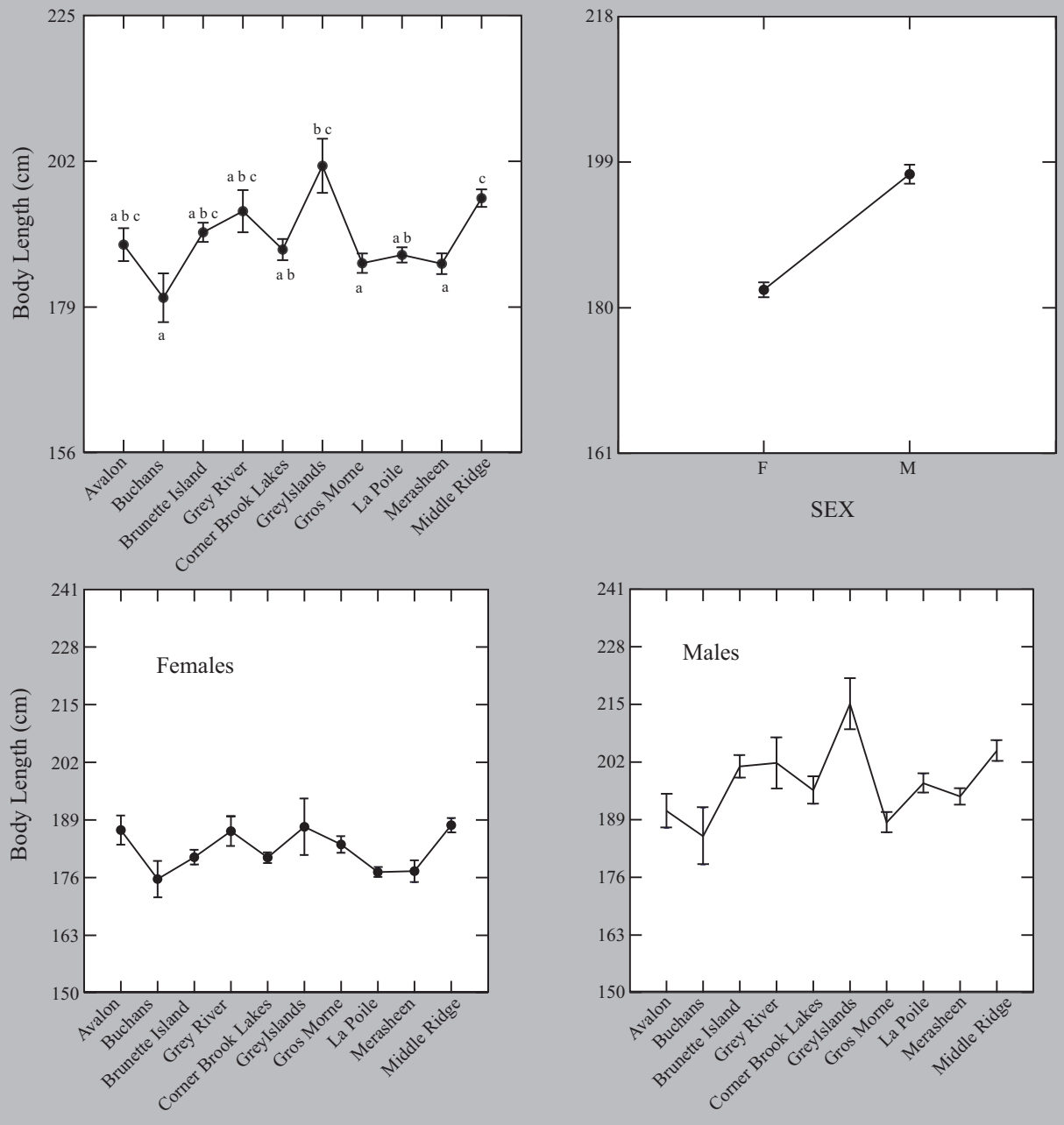


Fig. 4E-7. ANCOVA and post-hoc Bonferonni comparisons were conducted to detect differences in adult body length among caribou herds and between sexes. Year was used as a covariate. Least square mean adult body lengths are shown (± 1 SE). Significant differences among herds are indicated by different letters.

Table 4E-8. Mean heart girth (± 1 SD) for adults from insular Newfoundland caribou herds.

Herd	Females			Males		
	Heart Girth (cm)	SD	N	Heart Girth (cm)	SD	N
Combined	1279.3	74.1	530	1295.1	108.8	199
Avalon	118.0	6.3	16	130.8	18.8	7
Brunette	115.6	7.4	10	117.5	7.3	4
Buchans	116.6	6.4	60	129.1	8.9	24
Cape Shore			0			0
Corner Brook Lakes	119.1		14	124.6		4
Grey River	113.4	6.0	131	128.7	10.9	17
Grey Islands	117.2	11.4	5	138.7	7.6	5
Gros Morne	121.9	7.2	56	130.1	10.7	30
La Poile	109.8	7.1	130	125.0	6.7	35
Merasheen Island	115.5	7.9	24	135.0	27.4	46
Middle Ridge	114.9	8.4	73	135.6	10.5	27
Northern Peninsula	117.3	6.0	11			0

Analysis of Covariance

Dependent Variable: HEART GIRTH N: 718
Multiple R: 0.692 Squared multiple R: 0.478

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
HERD	6410.640	9	712.293	9.616	**0.000**
SEX	10546.840	1	10546.840	142.382	**0.000**
HERD X SEX	2459.785	9	273.309	3.690	**0.000**
YEAR	827.453	1	827.453	11.171	**0.001**
Error	51629.729	697	74.074		

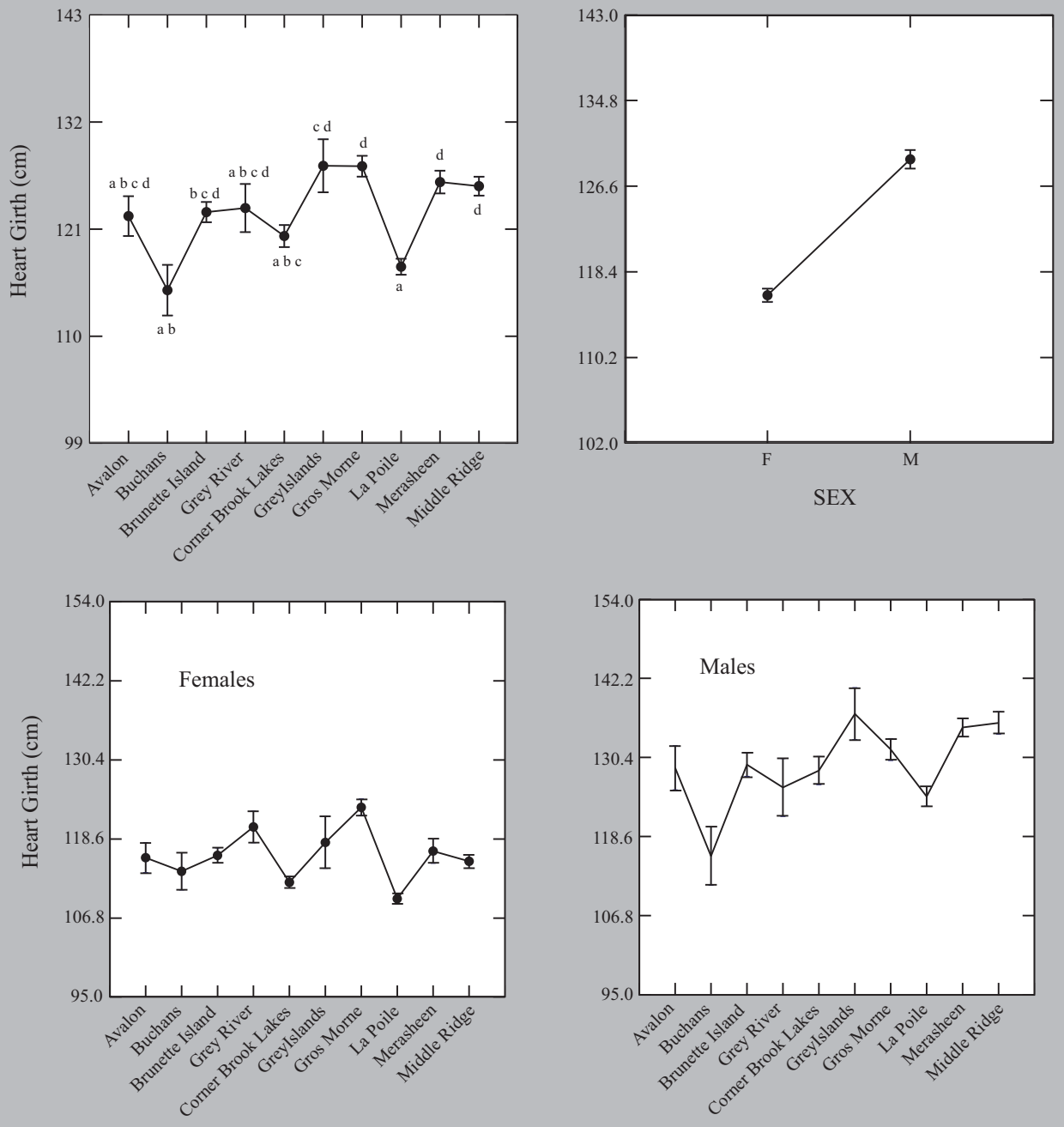


Fig. 4E-8. ANCOVA and post-hoc Bonferonni comparisons were conducted to detect differences in adult heart girth among caribou herds and between sexes. Year was used as a covariate. Least square mean adult heart girths are shown (± 1 SE). Significant differences among herds are indicated by different letters.

Table 4E-9. Mean shoulder height (± 1 SD) for adults from insular Newfoundland caribou herds.

Herd	Females			Males		
	Shoulder Height (cm)	SD	N	Shoulder Height (cm)	SD	N
Combined	1284	68.7	427	1243.3	77.6	187
Avalon	116.1	8.0	17	124.1	11.4	13
Brunette	114.9	4.9	10	118.1	6.1	4
Buchans	116.9	5.8	54	124.9	6.7	21
Cape Shore			0			0
Corner Brook Lakes	117.7	6.1	14	129.3	3.5	5
Grey River	116.1	5.8	78	122.0	6.8	17
Grey Islands	118.8	2.7	5	127.3	10.7	5
Gros Morne	117.3	6.4	54	123.4	7.0	31
La Poile	113.6	5.7	106	124.8	5.0	28
Merasheen Island	115.0	9.1	27	122.6	12.4	52
Middle Ridge	118.8	5.2	51	126.8	8.0	11
Northern Peninsula	118.8	9.0	11			0

Analysis of Covariance

Dependent Variable: Shoulder Height N: 600
Multiple R: 0.501 Squared multiple R: 0.251

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
HERD	1105.287	9	122.810	2.430	**0.010**
SEX	3884.611	1	3884.611	76.860	**0.000**
HERD X SEX	463.759	9	51.529	1.020	0.423
YEAR	194.729	1	194.729	3.853	0.050
Error	29263.387	579	50.541		

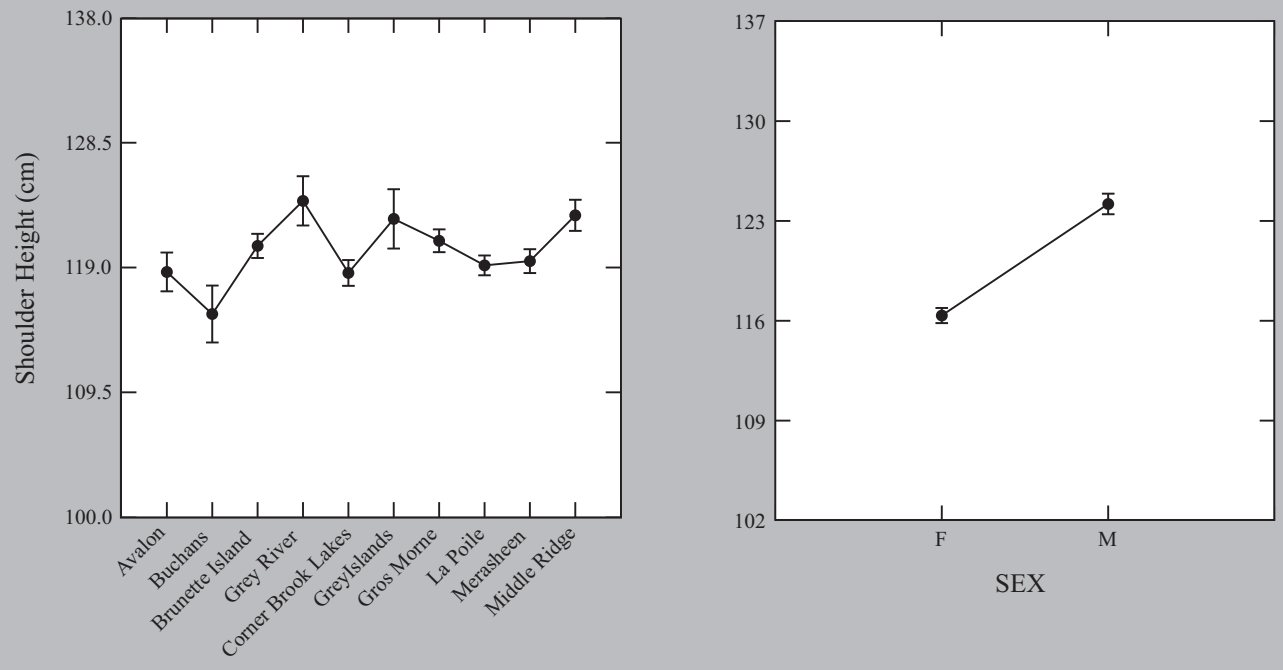


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Fig. 4E-9. ANCOVA and post-hoc Bonferonni comparisons were conducted to detect differences in adult shoulder height among caribou herds and between sexes. Year was used as a covariate. Least square mean adult shoulder heights are shown (± 1 SE). Significant differences among herds are indicated by different letters.

Table 4E-10. Mean hind foot length (± 1 SD) for adults from insular Newfoundland caribou herds.

Herd	Females			Males		
	Hind Foot Length (cm)	**SD**	**N**	**Hind Foot Length (cm)**	**SD**	**N**
Combined	552.9	36.2	415	572.3	40.1	191
Avalon	56.9	2.7	16	58.5	2.7	11
Brunette	54.9	2.1	10	55.6	2.6	4
Buchans	54.9	2.3	54	57.2	3.4	22
Cape Shore			0			0
Corner Brook Lakes	54.3	3.6	14	59.0	1.4	4
Grey River	55.8	5.8	78	57.8	6.8	17
Grey Islands	57.2	1.9	5	60.2	4.9	5
Gros Morne	56.4	8.2	55	57.2	3.6	34
La Poile	54.1	2.2	107	56.6	3.0	36
Merasheen Island	52.9	5.3	26	53.1	8.2	49
Middle Ridge	55.5	2.1	50	57.1	3.5	9
Northern Peninsula			0			0

Analysis of Covariance

Dependent Variable: Hind Foot Length N: 602
Multiple R: 0.467 Squared multiple R: 0.218

Source	Sum-of-Squares	df	Mean-Square	F-ratio	P
HERD	732.828	9	81.425	8.022	**0.000**
SEX	236.179	1	236.179	23.269	**0.000**
HERD X SEX	134.640	9	14.960	1.474	0.154
YEAR	167.435	1	167.435	16.496	**0.000**
Error	5897.024	581	10.150		

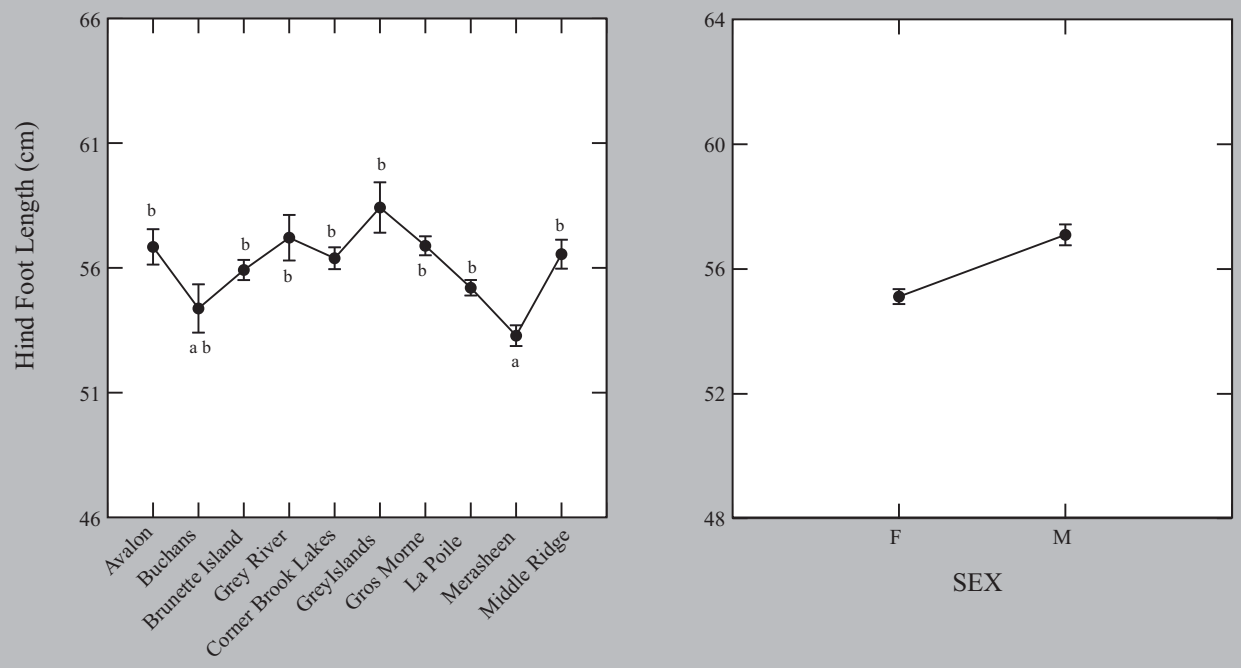

Fig. 4E-10. ANCOVA and post-hoc Bonferonni comparisons were conducted to detect differences in adult hind foot length among caribou herds and between sexes. Year was used as a covariate. Least square mean adult hind foot lengths are shown (± 1 SE). Significant differences among herds are indicated by different letters.

Table 4E-11. Summary of statistical analyses on body morphology of caribou calves and adults from insular Newfoundland. A significant relationship ($p < 0.05$) is indicated by 'YES' in the independent variable or covariate column.

Age		Independent Variables			Covariate
	Dependant Variables	**Herd**	**Sex**	**Herd X Sex**	**Year**
Calf	Body weight (kg)	YES	YES	No	No
	Total body length (cm)	YES	YES	No	YES
	Heart girth (cm)	YES	No	No	YES
	Shoulder height (cm)	YES	No	No	YES
	Hind foot length (cm)	YES	YES	No	No
Adult	Body weight (kg)	YES	YES	YES	YES
	Total body length (cm)	YES	YES	YES	YES
	Heart girth (cm)	YES	YES	YES	YES
	Shoulder height (cm)	YES	YES	No	No
	Hind foot length (cm)	YES	YES	No	YES

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

Shane P. Mahoney
Chief of Ecosystem Research and Inventory
December 2000

Diet Composition and Body Condition

Volume 4