

LEGISLATIVE ASSEMBLY OF THE
NORTHWEST TERRITORIES
8TH ASSEMBLY, 67TH SESSION

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CURRENT STATUS OF CARIBOU HERDS

Current status of caribou herds

Caribou range throughout most of the Northwest Territories and provide some meat for virtually all the communities. There are three kinds of caribou: Peary's caribou of the arctic islands; woodland caribou which occupy the forests and mountains of the Mackenzie River basin, and the barren-ground caribou which range over most of the mainland and Baffin Island (Figure 1). Because barren-ground caribou are the most numerous and the type most important to Northwest Territories hunters, our management efforts are directed primarily towards that group.

There are eight major herds of barren-ground caribou (Figure 2). Five herds range entirely within the Northwest Territories; the Porcupine Herd is shared with the Yukon and Alaska, and the Beverly and Kaminuriak herds with Saskatchewan, and Manitoba. Each herd is hunted by several communities in the Northwest Territories, sometimes by both Inuit and Indian hunters in widely separated areas (Table 1). For example, the Bathurst caribou are hunted by Inuit from Coppermine, Bay Chimo, and Cambridge Bay, and by Indians from Fort Franklin, Rae-Edzo, Snare Lakes, Rae Lakes, Detah and Yellowknife.

Of the eight herds, three are increasing, two are declining, and three are stable or possibly declining slightly. Hunting pressure is proportionally heaviest on the herds which are declining, and lightest on those herds which are increasing (Table 1).

Caribou management

To manage caribou we need to know how many caribou there are, and how they are reproducing and surviving. In the past, caribou surveys were done at irregular intervals with varying procedures. This situation made detection of declines difficult. During the past year we have instituted a systematic program of monitoring the population changes in all eight herds. Two herds are assigned to each region (Table 2). Each herd is monitored on alternate years. Wildlife officers in each region have been trained to use standardized procedures to determine the numbers in each herd, the reproductive success, the proportion of yearlings in the herd (which measures the survival of calves during the first year), the sex ratio, and the hunter kill. We hope to include routine marking of caribou in this program soon.

The current survey techniques are adequate to detect declines in the herds such as has occurred in the Kaminuriak herd. When declines are detected, the only management procedures which we can now apply are reduction in hunting and control of predators.

Research is currently underway on the Bathurst herd to further improve our procedures for surveying caribou, and to better understand the effects of wolves on the caribou population.

Figure 1: Types of caribou in Northwest Territories

- A. Alaska-Yukon barren-ground caribou
- B. Woodland caribou
- C. Barren-ground caribou
- D. Peary's caribou

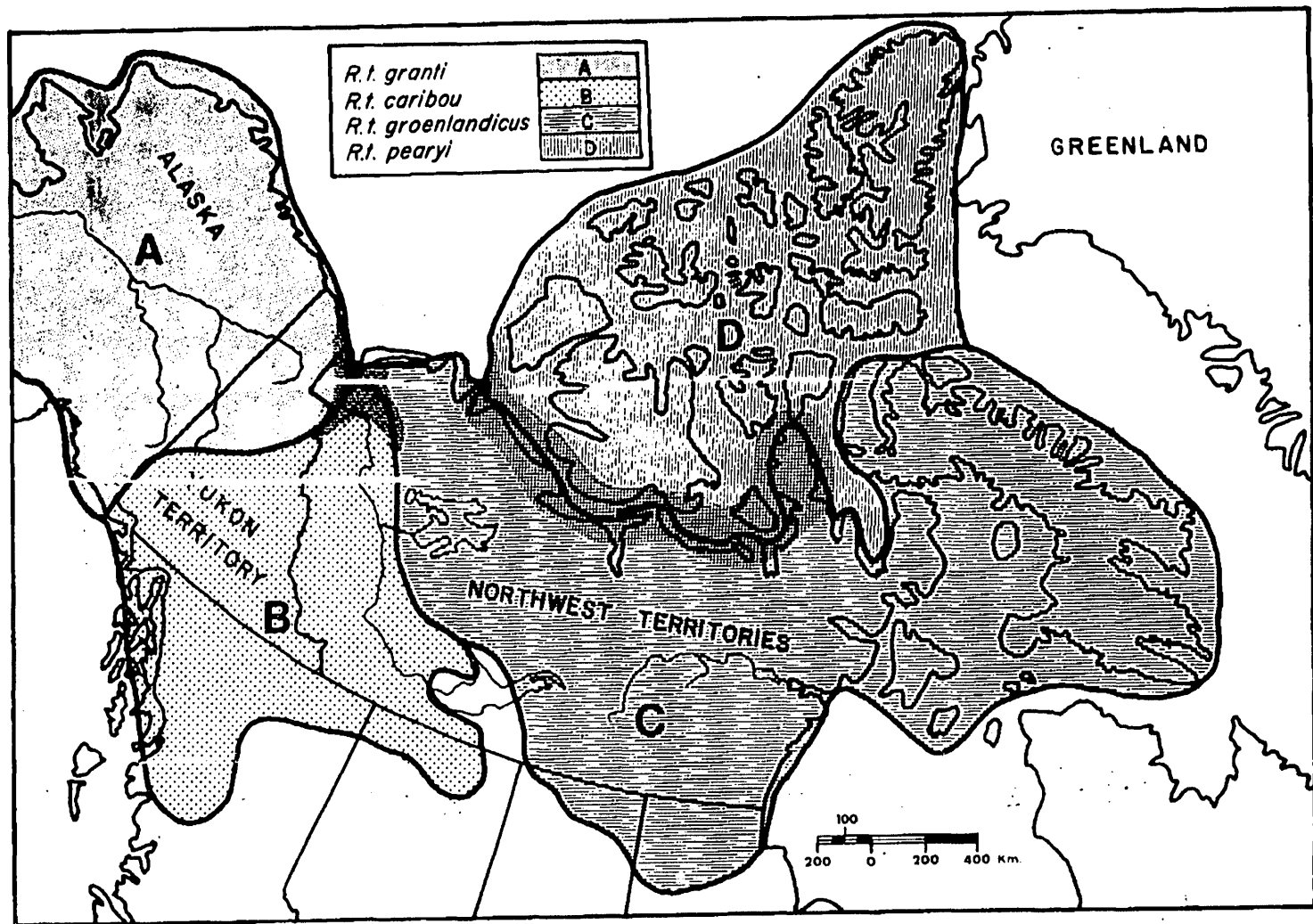


Figure 2: Major barren-ground caribou herds in
the Northwest Territories

1. Porcupine herd
2. Bluenose herd
3. Bathurst herd
4. Beverly herd
5. Kaminuriak herd
6. Wager Bay herd
7. Melville Peninsula herds
8. Baffin Island herds

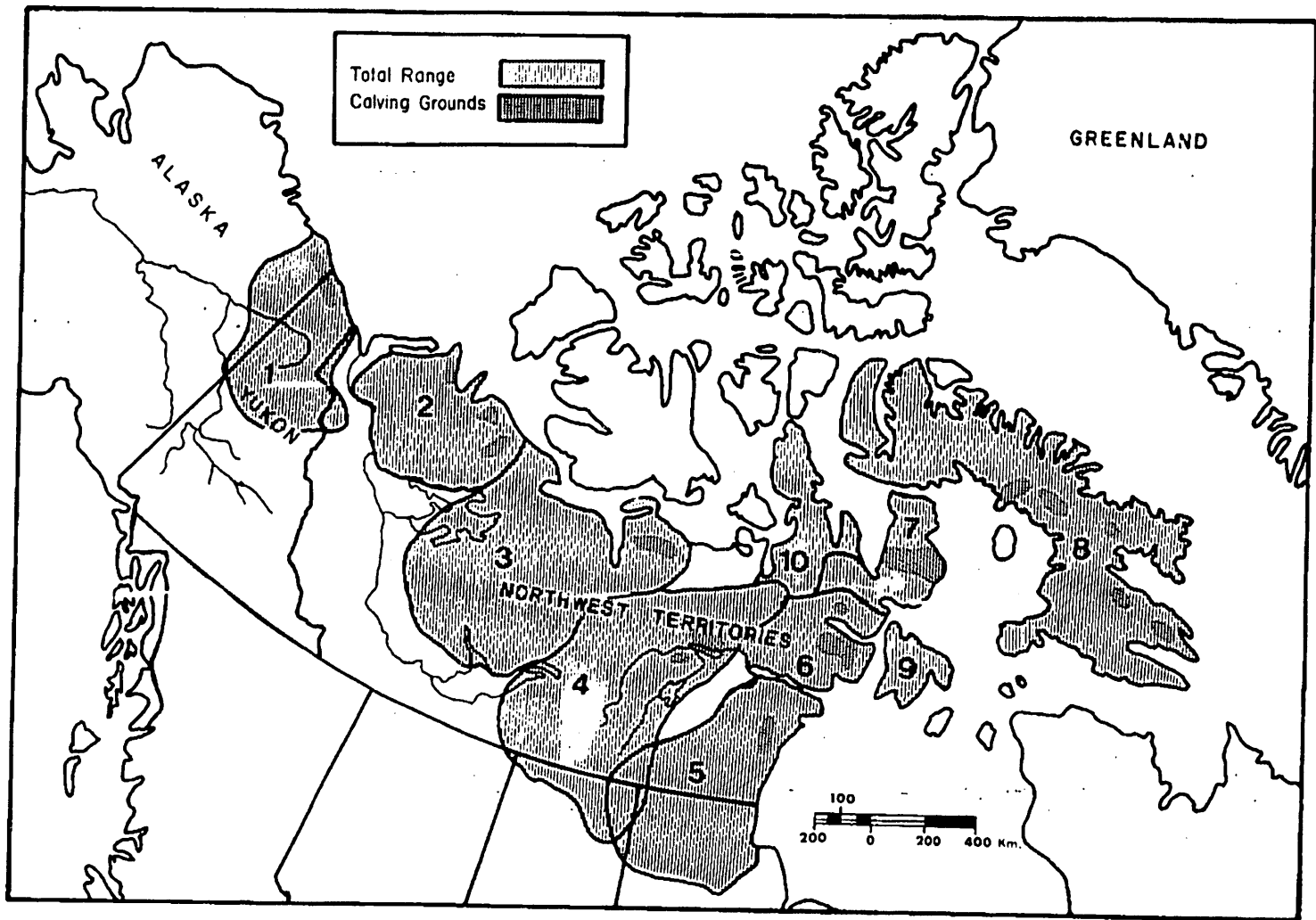


Table 1: Population trends and hunter kill in Northwest Territories caribou herds.

Herd	Population	Suspected Trend	Kill ^a	Kill as % of population	N.W.T. communities which hunt
Porcupine	100,000 (1972)	Stable	1429	1.5 ^b	Ft. McPherson, Aklavik, Arctic Red River, Inuvik, Tuktoyaktuk
Bluenose	90,000 (1975)	Increasing	645	0.7	Paulatuk, Colville Lake, Ft. Good Hope, Inuvik, Tuktoyaktuk
Bathurst	150,000 (1978)	Stable or slightly decreasing	6950	4.6	Coppermine, Cambridge Bay, Ft. Franklin, Yellowknife, Detah, Rae-Edzo, Snare Lake, Rae Lakes, Bathurst Inlet
Beverly	124,000 (1974)	Stable	1146	1.2 ^c	Ft. Smith, Snowdrift, Baker Lake
Kaminuriak	44,000 (1977)	Decreasing	3216	7.3 ^d	Baker Lake, Chesterfield Inlet, Rankin Inlet, Eskimo Point, Whale Cove
Melville Peninsula	52,000 (1976)	Increasing	771	1.5	Igloolik, Repulse Bay, Hall Beach,
Wager Bay	29,000 (1976)	Increasing		0.0	No communities in herd's range.
Baffin	20,000 (1974)	Decreasing	1857	9.3	Frobisher Bay, Cape Dorset, Pangnirtung, Pond Inlet, Arctic Bay

a = average of 3 yrs (1973-74 to 1975-76)

b = does not include Alaska-Yukon kill

c = does not include Saskatchewan kill

d = does not include Manitoba-Saskatchewan kill

Table 2: Assignment of caribou population monitoring to administrative regions

HERD	REGION
Porcupine } Bluenose }	Inuvik
Bathurst } Beverly }	Fort Smith
Kaminuriak } Wager }	Kooenatin
Melville } Barrin }	Baffin

Figure.1

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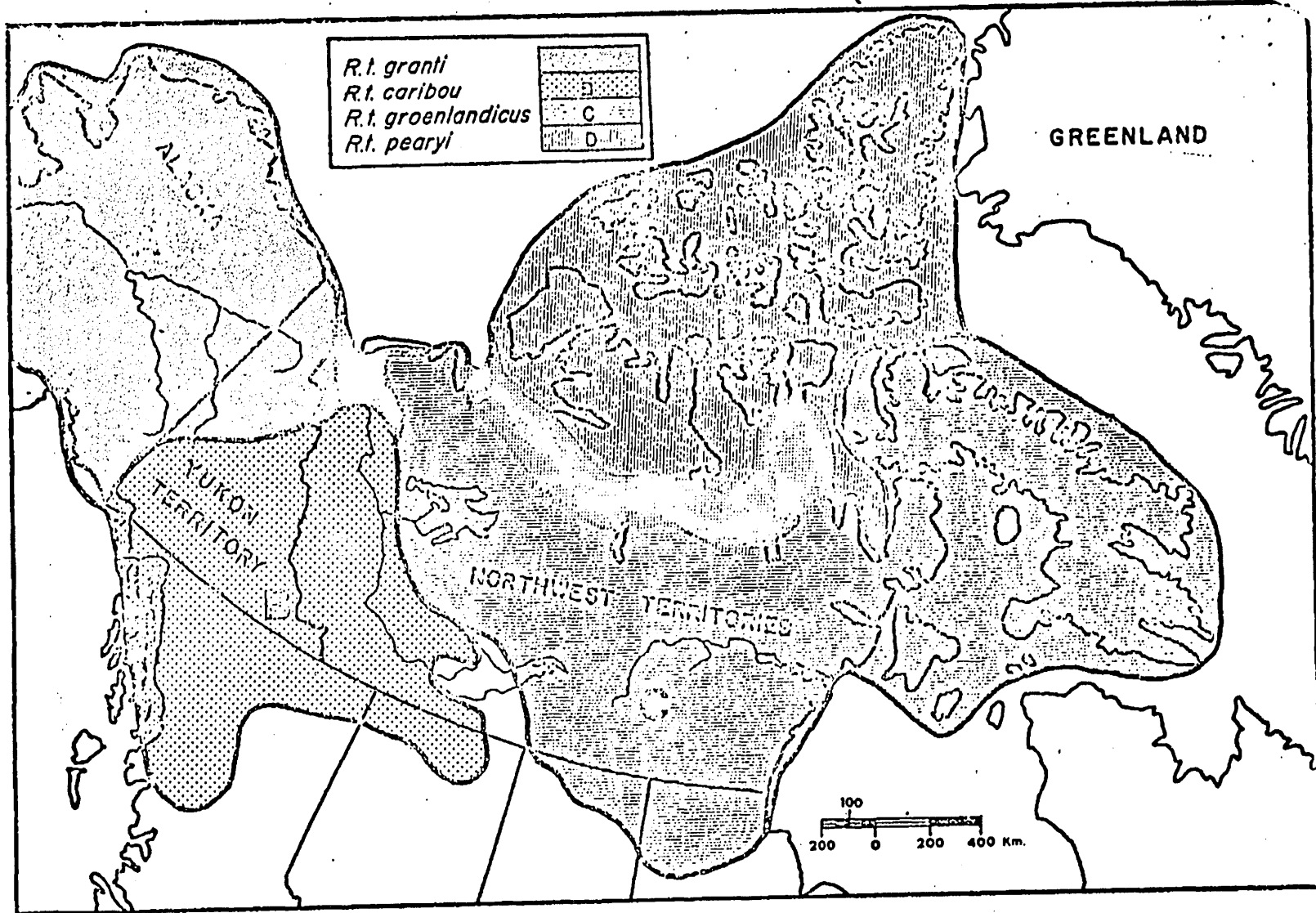
- A. ᐱᐱᐱ ᐱᐱᐱᐱ-ᐱᐱᐱᐱᐱᐱᐱ ᐱᐱ ᐱᐱᐱ ᐱᐱᐱᐱ (ᐱᐱᐱᐱᐱᐱᐱᐱᐱᐱᐱᐱ)
- B. ᐱᐱᐱᐱᐱᐱᐱᐱᐱᐱᐱᐱ
- C. ᐱᐱᐱᐱᐱᐱᐱᐱᐱᐱᐱᐱᐱᐱ
- D. ᐱᐱᐱᐱᐱᐱᐱ (ᐱᐱᐱᐱᐱᐱᐱ, ᐱᐱᐱᐱᐱᐱᐱᐱ ᐱᐱ ᐱᐱᐱ) ᐱᐱᐱᐱᐱᐱᐱ Peary's

Figure 2

ααΔ^δ δC^α: Δ^δσ^σ δ^δγ^δ δ^δ Δ^δ α^δδ^δγ^δδ^δ Δ^δσ^σδ^δδ^δ

- 1: Δ^δδ^δδ^δδ^δ δ^δδ^δδ^δ δ^δδ^δ δ^δδ^δ
- 2: Δ^δδ^δδ^δ δ^δδ^δ
- 3: Δ^δδ^δδ^δ δ^δδ^δ
- 4: Δ^δδ^δδ^δδ^δ δ^δδ^δ
- 5: Δ^δδ^δδ^δδ^δ δ^δδ^δ
- 6: Δ^δδ^δδ^δδ^δ δ^δδ^δδ^δδ^δ
- 7: Δ^δδ^δδ^δδ^δ δ^δδ^δ
- 8: Δ^δδ^δδ^δδ^δ δ^δδ^δ

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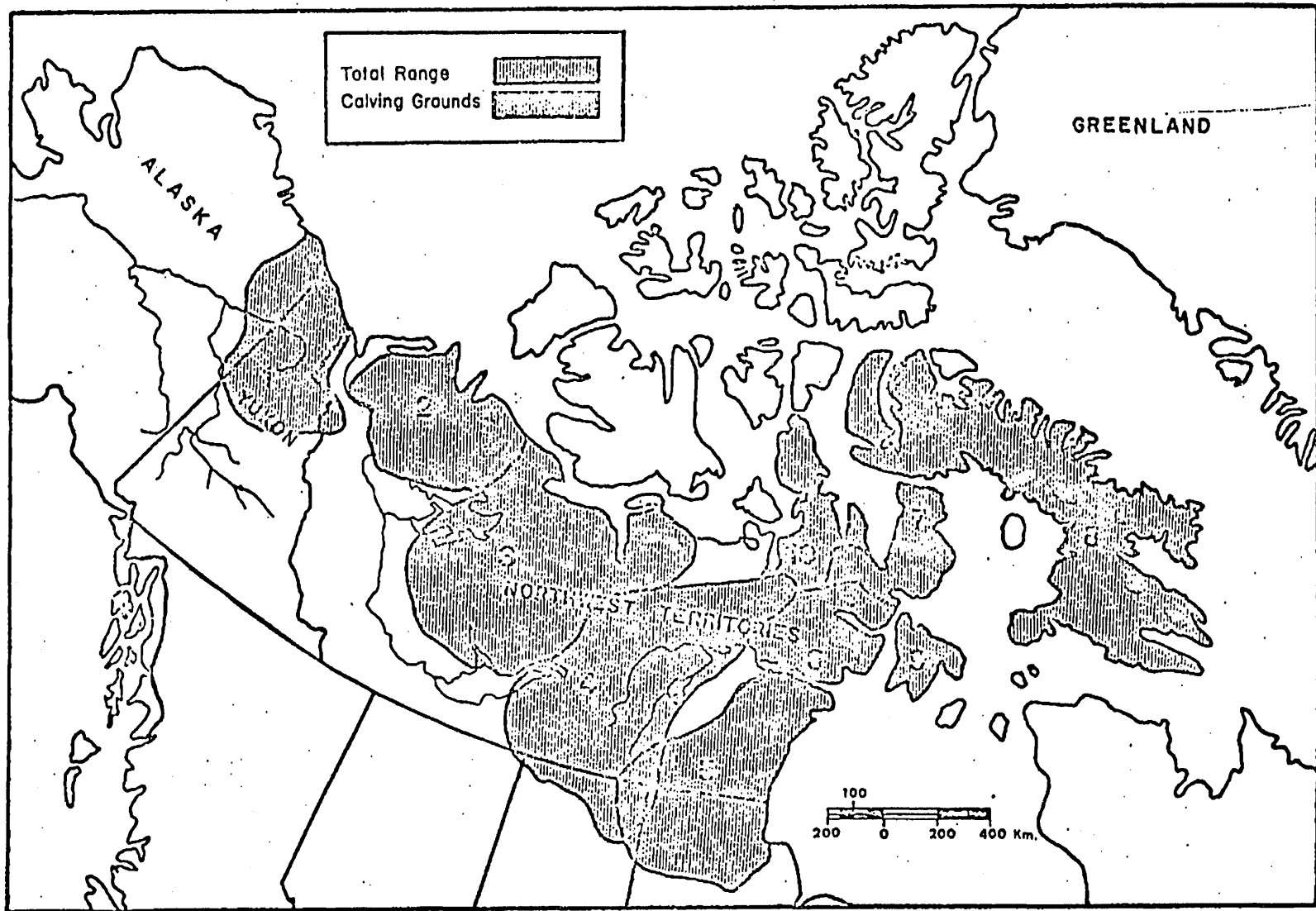


Table 1:
ዲ.ታ.ቲ.ቲ.ቲ.ቲ.ቲ.; ሌሎች ለፖለቲካ ግንኙነት ለሌሎች ጋራ ሆኖ ለክልሎች የሚደገፉትን ወጪዎች ይመለከታል።

የወጪው ጋራ ጋራ	የሚከተለው	የወጪው ስርዓቶች	የሚከተለው ለፖለቲካ ግንኙነት ለክልሎች	የሚከተለው ለክልሎች ለክልሎች	ወጪውን የሚመለከቱ ጋራ ጋራ ወጪዎች
የቤት ገንዘብ ገቢ ስርዓት	100,000 (1972)፣	የሆስፒታል ገቢዎች	1429	1.5 ^b	የከተማ ግዥ ጋራ ጋራ, የቤት ገንዘብ ገቢ ጋራ ጋራ, ሌሎች ጋራ ጋራ.
የሌሎች ገቢዎች	90,000 (1975)፣	የግንደቤት ገቢዎች	645	0.7	የሥራ ገቢ, የሥራ ገቢ, የግንደቤት ገቢ, ሌሎች ጋራ ጋራ.
የሥራ ገቢዎች	150,000 (1978)	የሆስፒታል ገቢዎች ግንደቤት ገቢዎች	6950	4.6	የሥራ ገቢ, የሥራ ገቢ ጋራ ጋራ, የግንደቤት ገቢ, የግንደቤት ገቢ, የሥራ ገቢ, የሥራ ገቢ
የሥራ ገቢዎች	124,000 (1974)	የሆስፒታል ገቢዎች	1146	1.2 ^c	የሥራ ገቢ, የሥራ ገቢ, የሥራ ገቢ
የግንደቤት ገቢዎች	44,000 (1977)	ግንደቤት ገቢዎች	3216	7.3 ^d	የግንደቤት ገቢ, የግንደቤት ገቢ, የግንደቤት ገቢ, የግንደቤት ገቢ, የግንደቤት ገቢ
የግንደቤት ገቢዎች ለግንደቤት ገቢ ጋራ ጋራ	52,000 (1976)	የግንደቤት ገቢዎች	771	1.5	የግንደቤት ገቢ, የግንደቤት ገቢ, የግንደቤት ገቢ
የግንደቤት ገቢዎች ለግንደቤት ገቢ ጋራ ጋራ	29,000 (1976)	የግንደቤት ገቢዎች	-	0.0	ወጪውን የሚመለከቱ ጋራ ጋራ
የሥራ ገቢዎች	20,000 (1974)	ግንደቤት ገቢዎች	1857	9.3	የሥራ ገቢ, የሥራ ገቢ ጋራ ጋራ, የግንደቤት ገቢ, የግንደቤት ገቢ ጋራ ጋራ

a = ለፖለቲካ ግንኙነት (1973፣ 1974, 1975, 1976) ለፖለቲካ ግንኙነት ለፖለቲካ ግንኙነት
b = ለፖለቲካ ግንኙነት ለፖለቲካ ግንኙነት ለፖለቲካ ግንኙነት ለፖለቲካ ግንኙነት
c = ለፖለቲካ ግንኙነት ለፖለቲካ ግንኙነት ለፖለቲካ ግንኙነት ለፖለቲካ ግንኙነት
d = ለፖለቲካ ግንኙነት ለፖለቲካ ግንኙነት ለፖለቲካ ግንኙነት ለፖለቲካ ግንኙነት

פירוש המשניות בלשון המשנה

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בשם רבינו יצחק

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Table 2 : פירוש המשניות בלשון המשנה (בשם רבינו יצחק)