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CANADA. WILDLIFE SERVICE. PROGRESS REPORT

SCF

A summary of waterfowl banding accomplishments in Canada, 1918-1978
by K. L. Newell¹ and F. G. Cooch¹

Between 1918 and 1978 more than 1.92 million ducks, geese and swans were banded in Canada. This report gives waterfowl biologists and managers the location of those bandings and the numbers of birds banded and also indicates where banding information is sparse.

The maps show bandings by degree block for each species in each province and territory. They include some data on individuals that were banded at sites beyond their normal range, although this sample is small. Table 1 gives data for those species for which the number banded was too small to warrant mapping. Table 2 gives the number of birds banded by species in each province and territory.

The evident concentration of banding effort for ducks in southern Canada reflects not only the abundance and catchability of the birds but also the priorities established by the agencies supporting banding in Canada. The distribution of banding has also been influenced in part by the higher costs and technical difficulties associated with banding in more remote regions of Canada.

Banding is an important source of information on the distribution and mortality of birds. Despite the large numbers of waterfowl that have been banded to date, much more data are required for adequate management of the resource. Additional work is especially needed for species and populations that winter in Canadian waters.

Acknowledgements

The data are from many sources, including private individuals, university research, the U.S. Fish and Wildlife Service, Ducks Unlimited, U.S. Flyway Technical Committees, provincial agencies and the Canadian Wildlife Service.

Steve Wendt and Maurice Gratton wrote the computer programs and Steve O'Donnell, Carl Cooper, Wendy Mortimer and Donna Karlin transferred the data onto the maps. Dave McFadden and Bertrand Toll, EMS Graphics Unit, drafted the maps.

Table 1
Location of bandings of species not plotted on maps

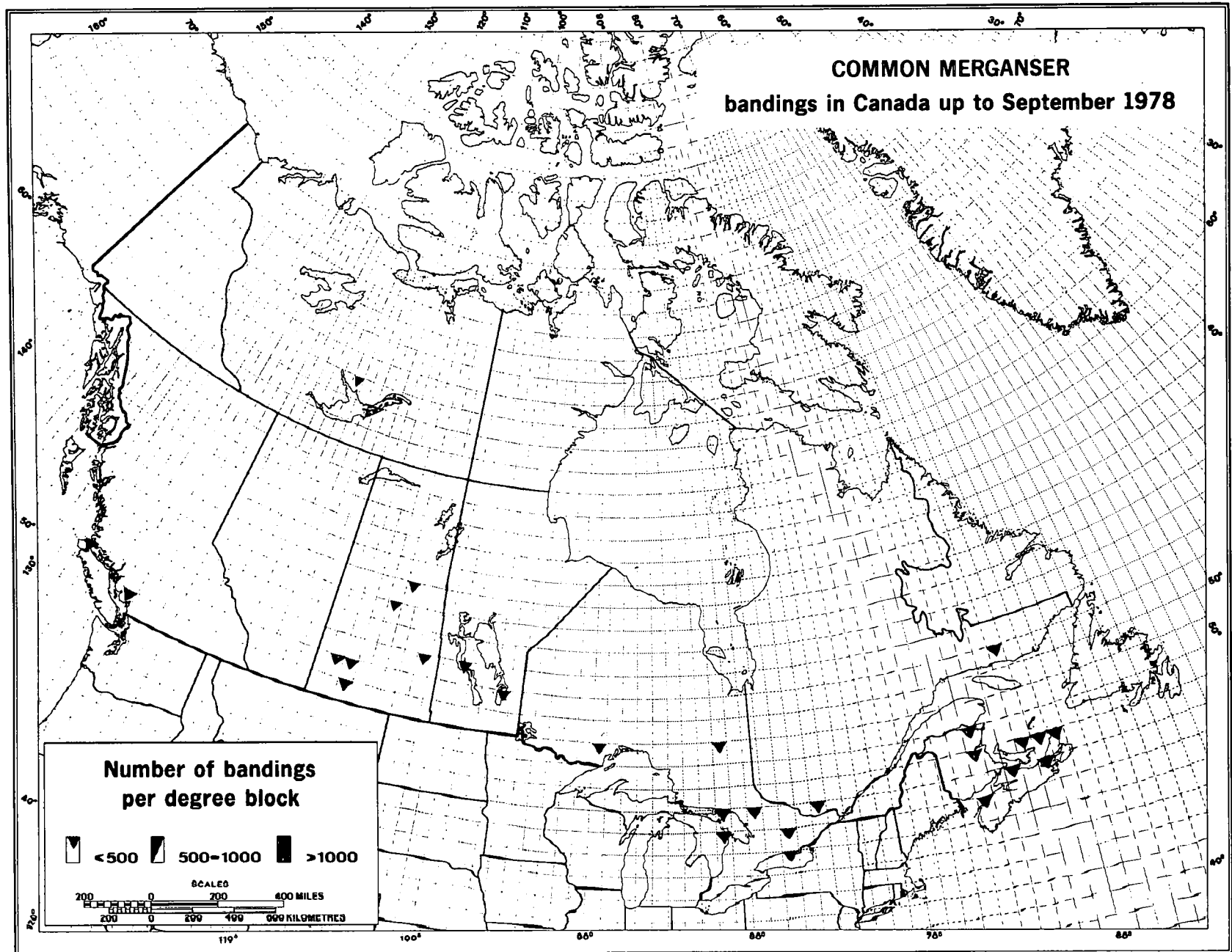
	Region	Lat.-long.	Nos.	Total
European Wigeon	Alta.	50-111	11	—
		52-112	1	12
	BC	48-123	1	—
		49-123	6	8
	PEI	54-124	1	3
Total			3	23
Harlequin Duck	Nfld.	56-062	1	1
Black Scoter	Alta.	54-111	4	4
	Ont.	43-077	4	4
Total			8	8
Surf Scoter	BC	48-123	1	1
		NWT	62-114	41
	Ont.	62-115	14	55
		Yuk.	43-079	1
Total			5	5
Total			62	62

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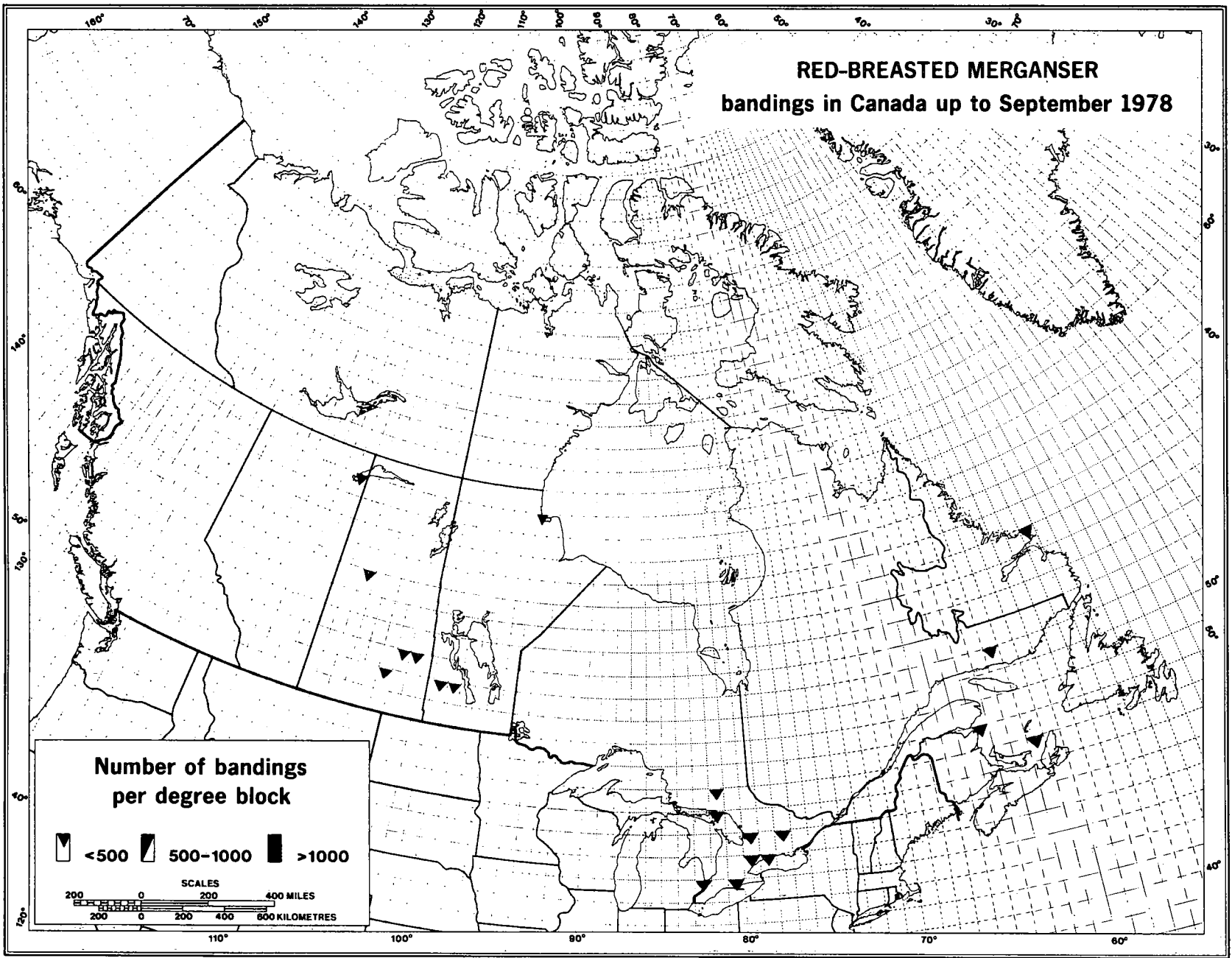
¹Migratory Birds Branch, CWS, Ottawa K1A 0E7.

Table 2
Canadian waterfowl bandings 1918-1978

Species	Nfld.	PEI	NS	NB	Que.	Ont.	Man.	Sask.	Alta.	BC	NWT	Yuk.	Total
Common Merganser		2	666	147	10	41	13	10		3	1		893
Red-breasted Merganser	2		11	2	1	12	7	4	1				40
Hooded Merganser		5	22	25	43	92	6	3	1	3			200
Mallard	6	106	1 032	1 556	13 237	104 045	115 439	169 678	83 541	24 922	12 372	170	526 104
Black Duck	2 723	11 449	18 461	15 210	27 318	49 345	722	158	41	10	319		125 756
Gadwall		34		1	141	230	2 938	4 597	6 771	407	2		15 121
European Wigeon		3						12	12	8			35
American Wigeon		355	667	1 372	271	857	2 277	12 319	10 635	3 417	555	143	32 868
Am. Green-winged Teal	2 136	1 696	5 375	3 314	12 449	4 795	6 504	25 963	12 662	8 697	3 588	439	87 618
Blue-winged Teal	29	4 711	6 002	8 719	1 817	45 601	112 188	131 176	55 263	2 355	302	5	368 168
Cinnamon Teal							7	9	19	80			115
Northern Shoveler		24	36	151	60	48	2 785	9 426	7 377	244	38	14	20 203
Pintail	355	354	718	893	2 242	5 581	27 018	97 705	73 241	7 596	13 468	887	230 058
Wood Duck		82	2 675	2 075	874	12 438	780	4	19	1 440	3		20 390
Redhead			20	1	125	764	16 657	9 574	3 458	1 016	26	1	31 642
Canvasback						85	4 548	3 484	1 037	279	28	7	9 468
Greater Scaup						220	36	26	16	33	22	139	492
Lesser Scaup			11		8	634	1 832	5 106	32 604	3 818	5 014	159	49 186
Ring-necked Duck	2	246	1 000	448	477	787	157	480	304	72	304		4 277
Common Goldeneye	2	2	24	125	122	505	33	360	1 522	36	5	8	2 744
Barrow's Goldeneye						3		3	4	8 584		1 372	9 966
Bufflehead				2		61	109	320	2 427	2 151	204		5 274
Oldsquaw						35	301			2	31	31	400
Harlequin Duck	1												1
Common Eider	134		714	283	2 233		122				78		3 564
King Eider					1		1				45		47
Black Scoter					4				4				8
White-winged Scoter					1	3	10	340	494	75	127	4	1 054
Surf Scoter						1			1		55	5	62
Ruddy Duck						6	281	400	359	170	2		1 218
Lesser Snow Goose			6		51	24 494	26 343	7 630	251	63	142 850		201 688
Greater Snow Goose					163	4					7 428		7 595
Ross' Goose						5	3	7 387	89		5 197		12 681
White-fronted Goose					1	21	1	12 756	2		6 922	59	19 762
Canada Goose	18	119	581	131	13 515	16 857	20 557	14 100	19 506	4 445	24 648	35	114 512
Brant			3	1		155					20 002		20 161
Whistling Swan						7	3	8	4	2	2 200	109	2 333
Trumpeter Swan							11	13	254	3	5		286
Regional total	5 408	19 188	38 024	34 456	75 164	267 732	341 689	513 051	311 918	69 932	245 841	3 587	1 925 990

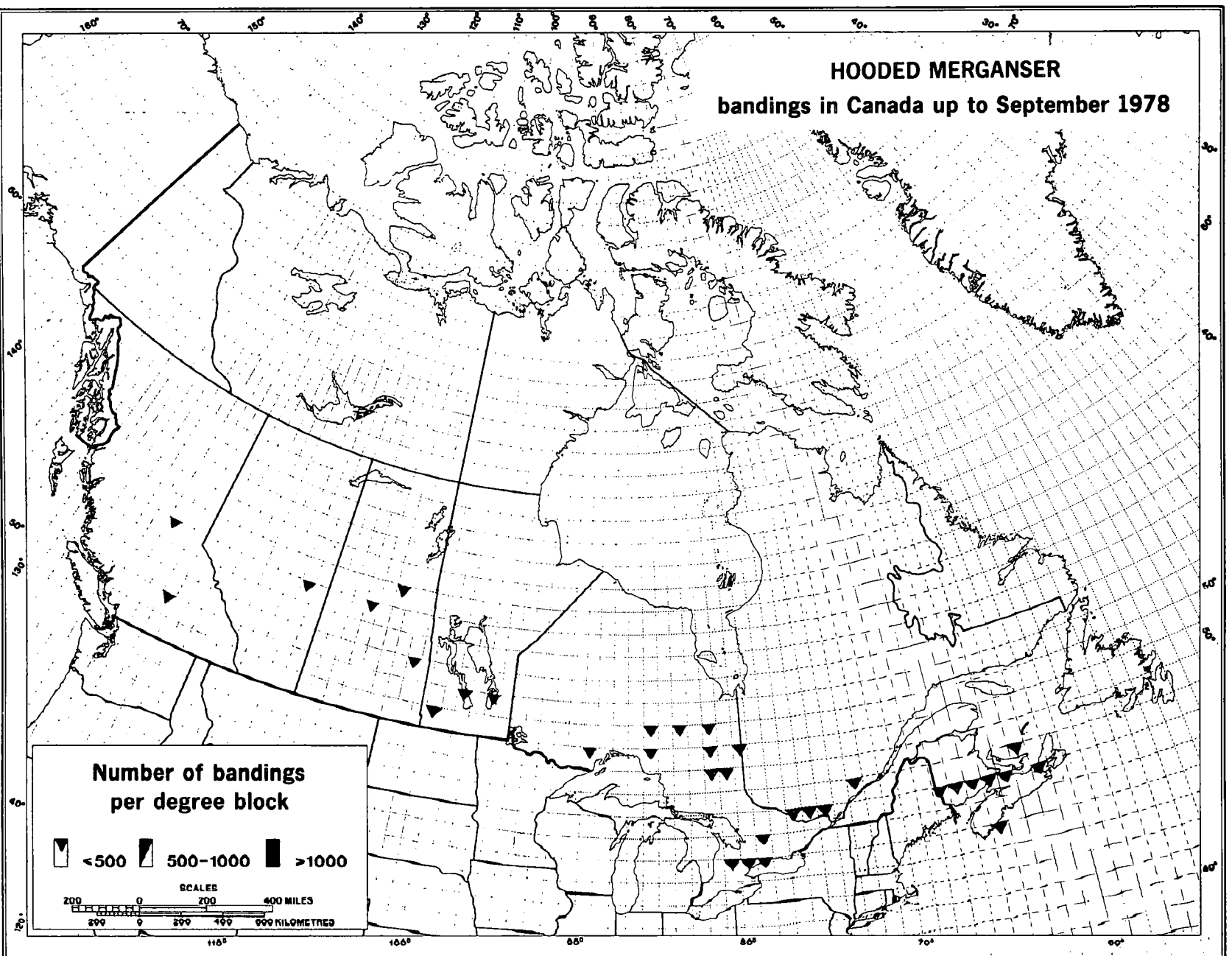


RED-BREASTED MERGANSER
bandings in Canada up to September 1978

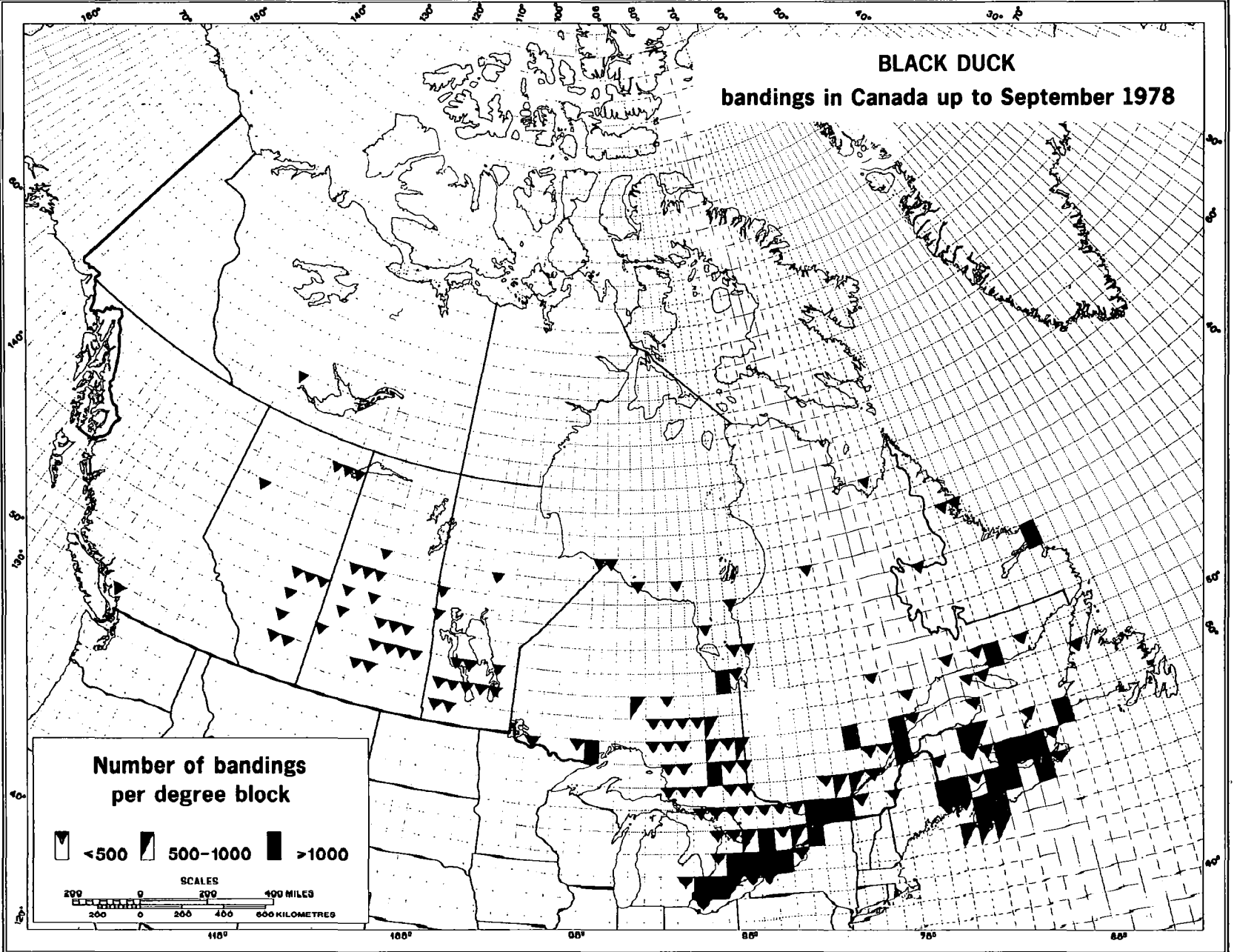
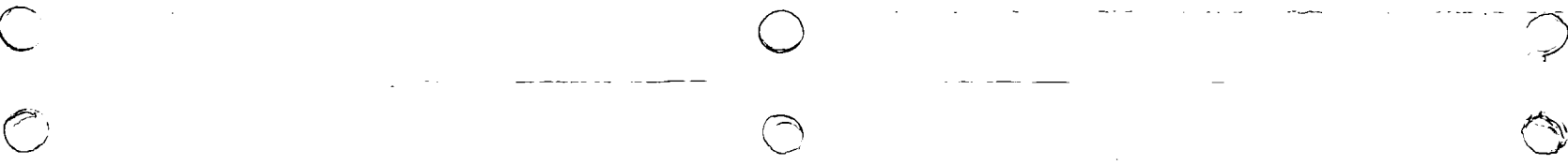
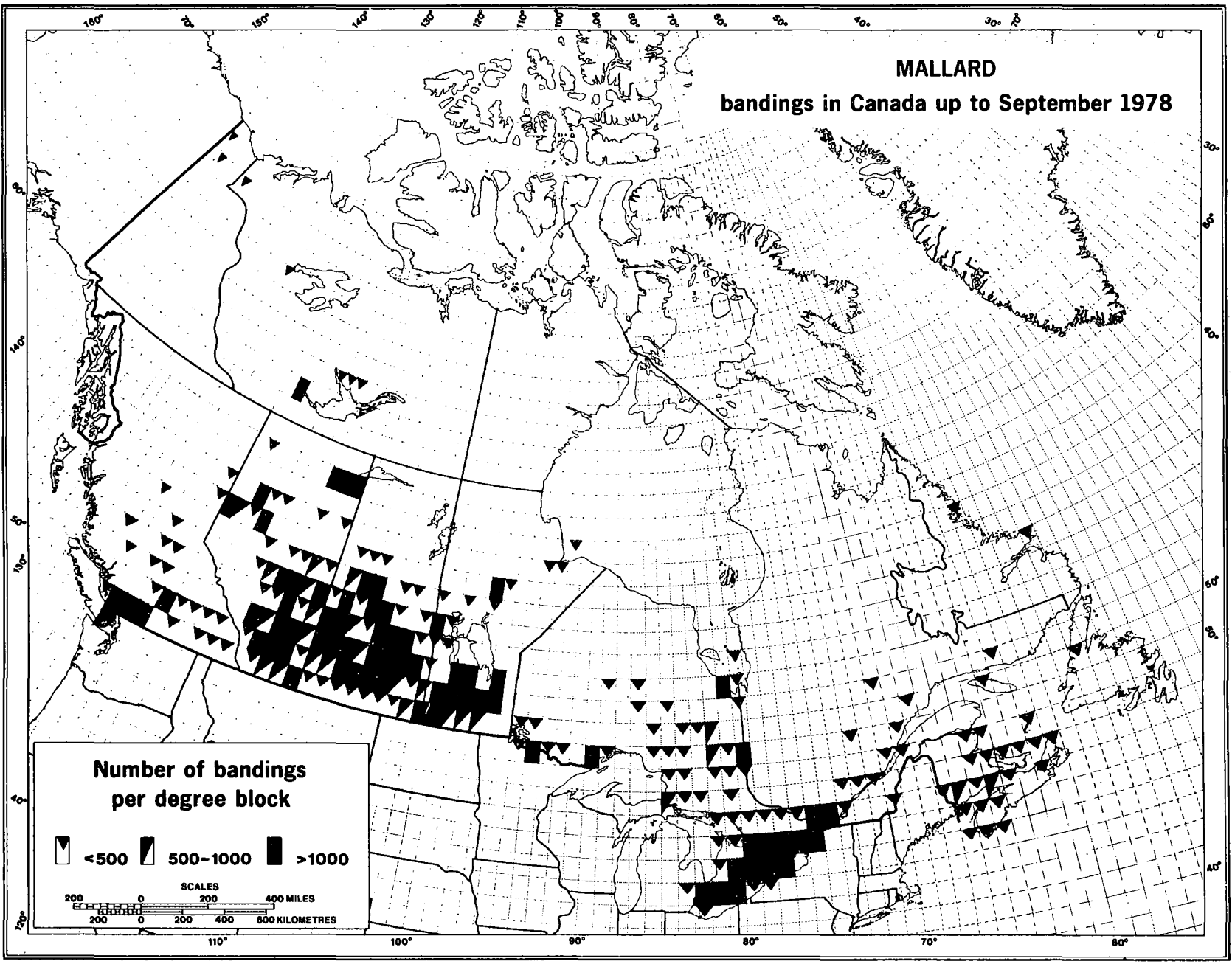


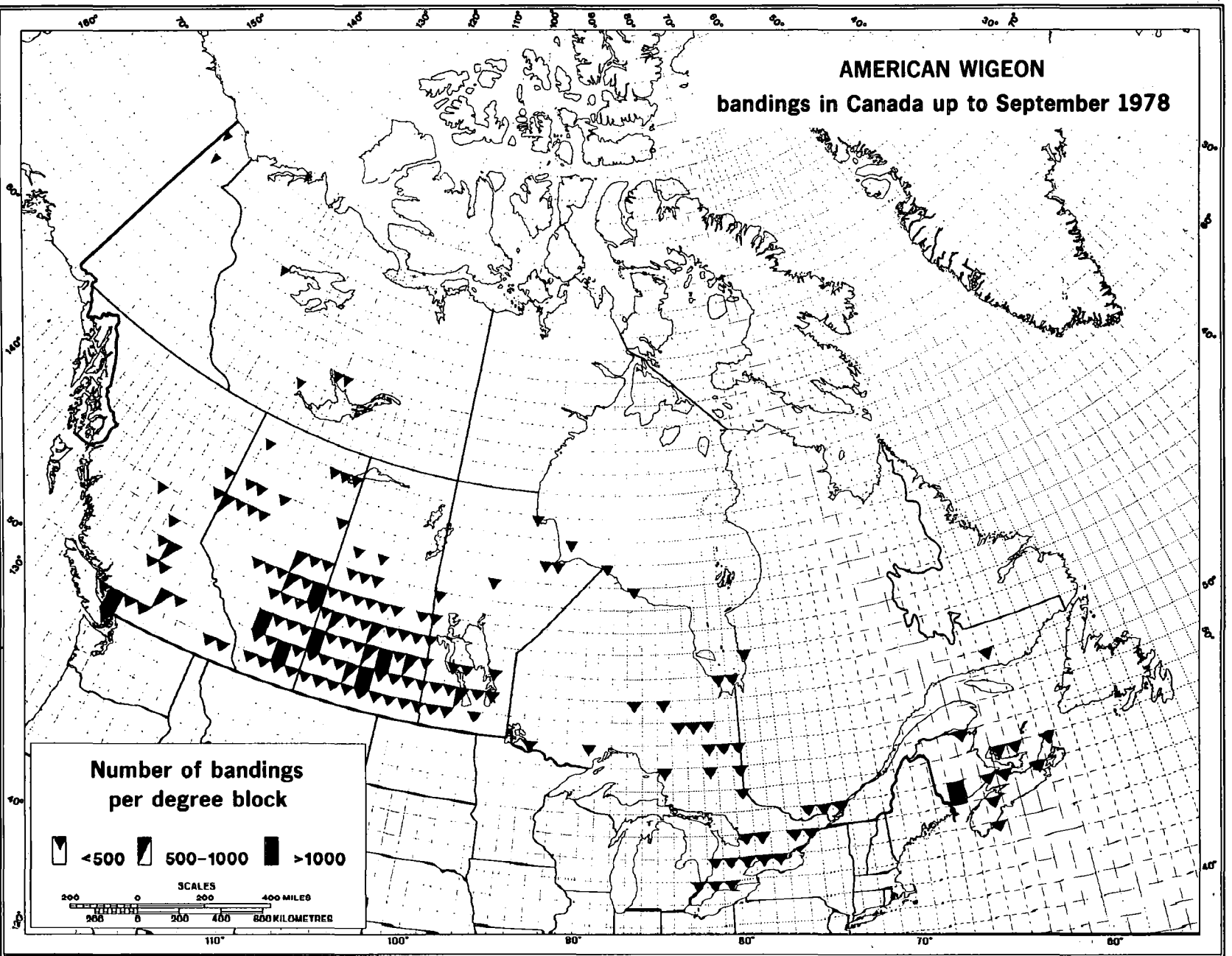
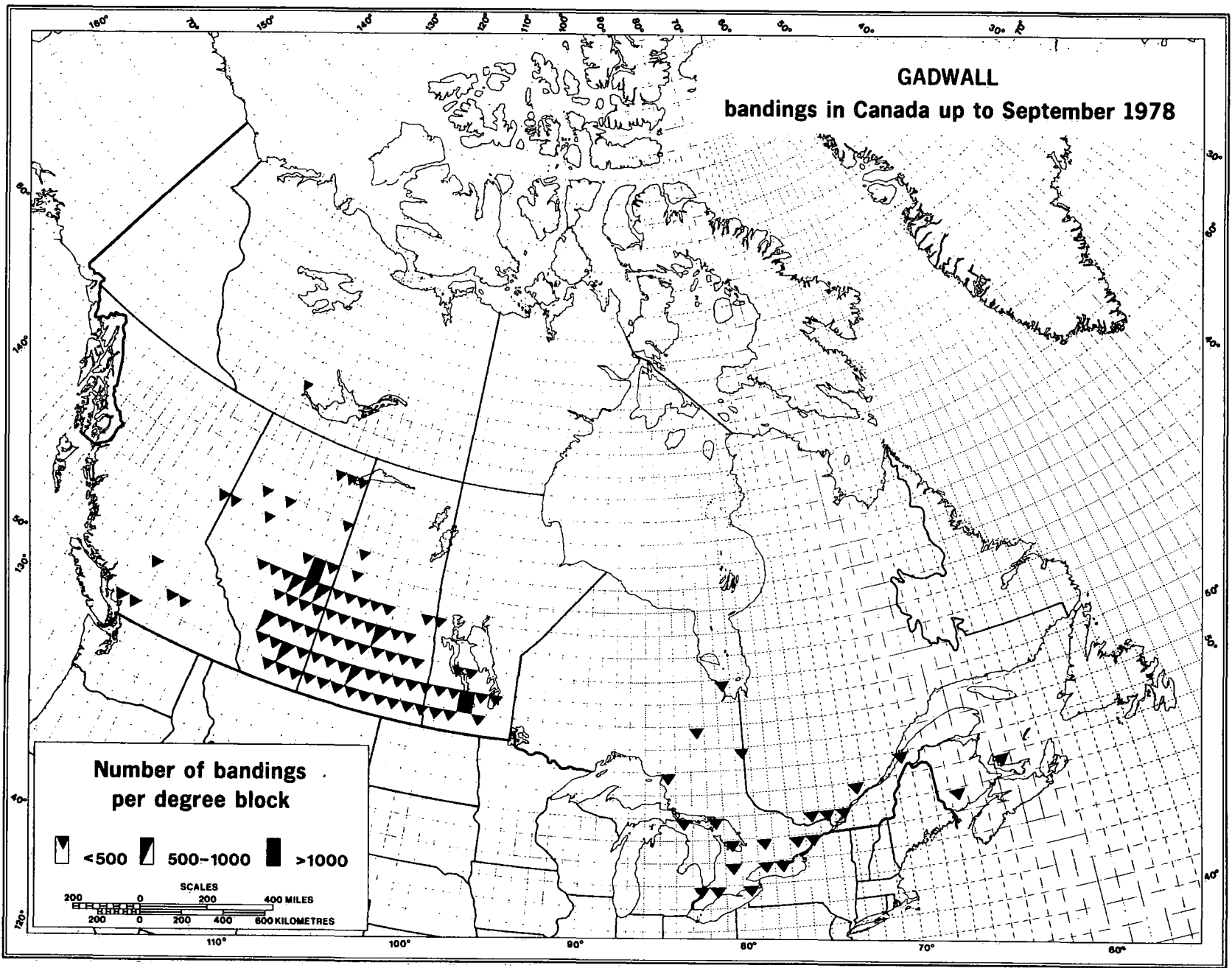
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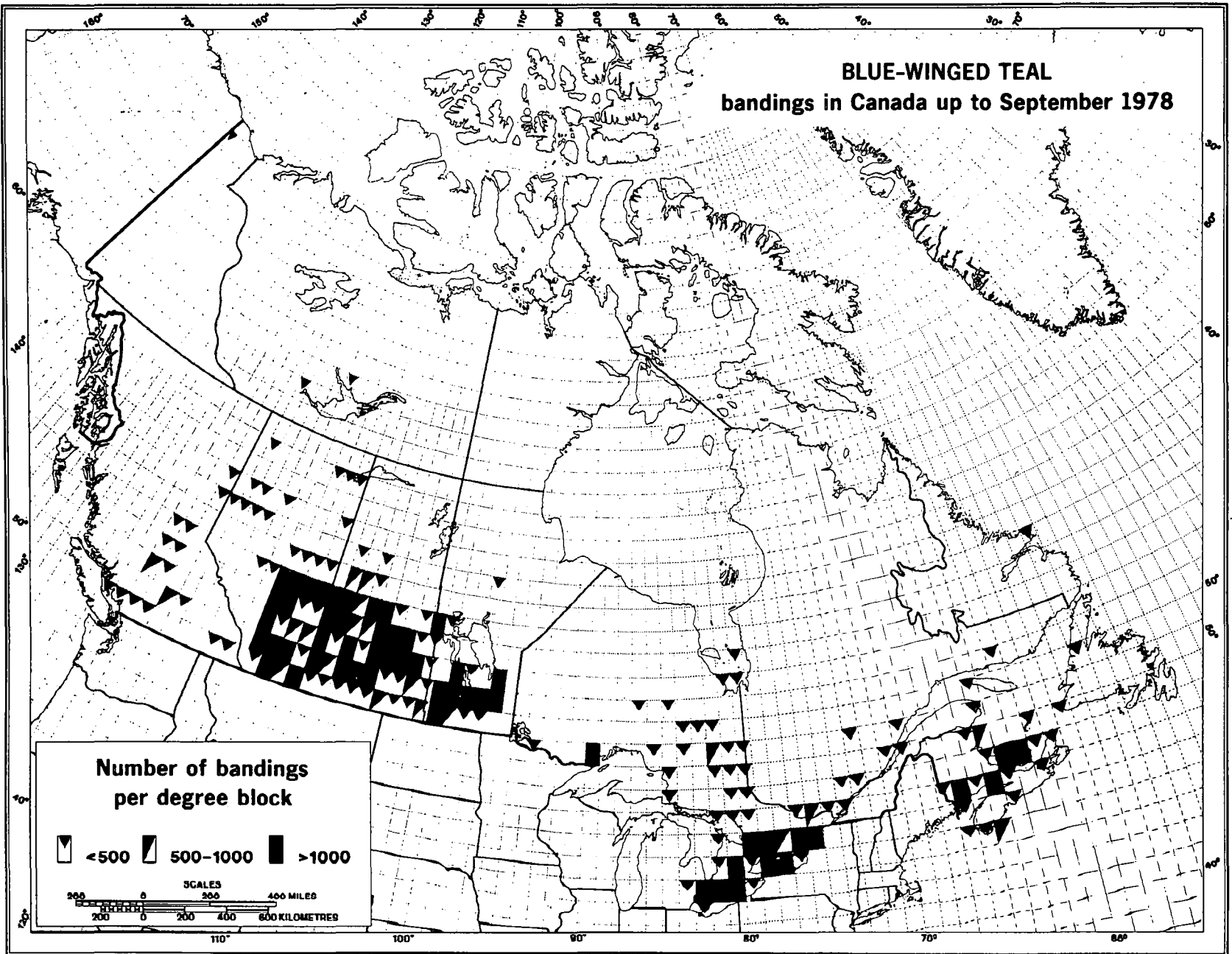
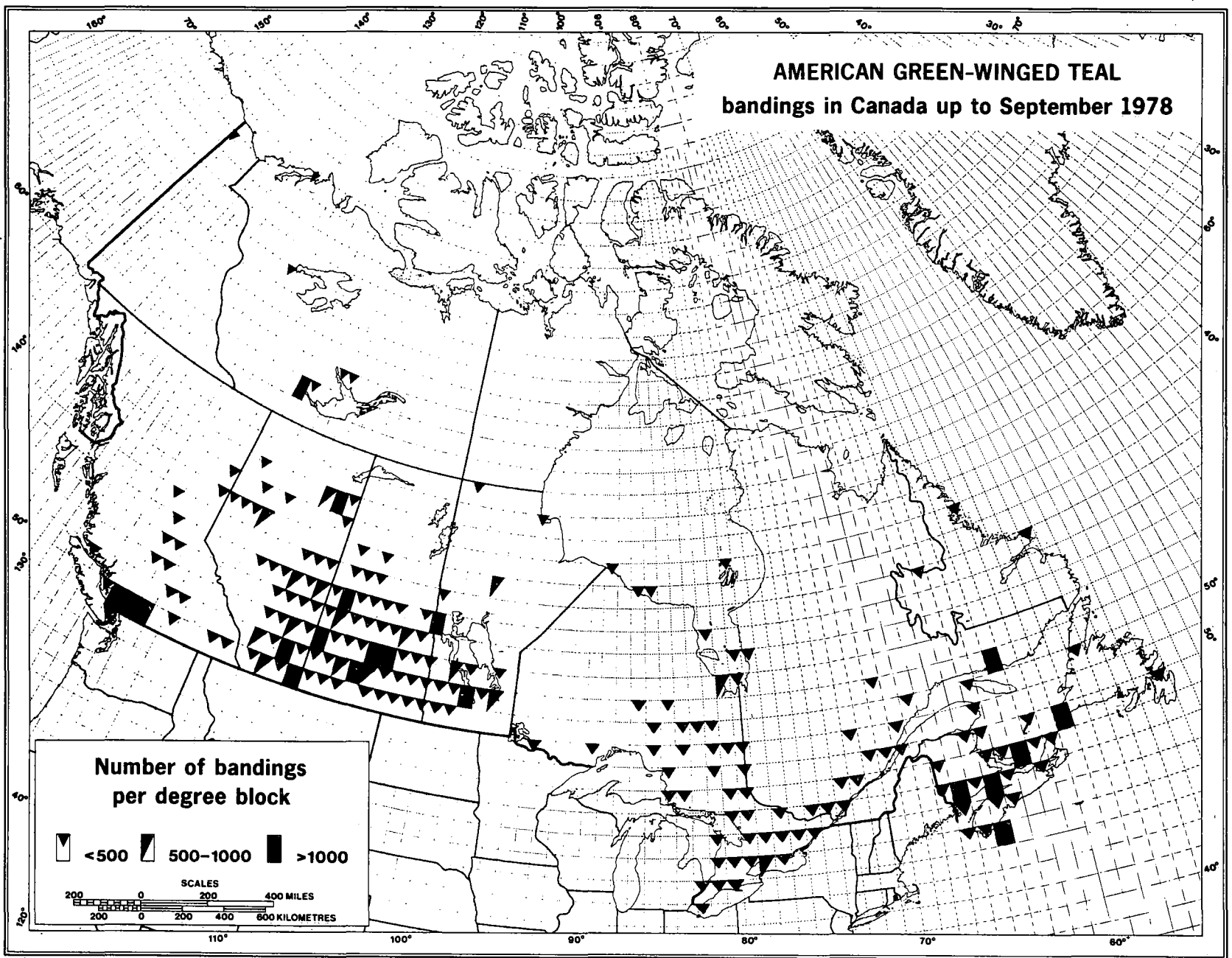
HOODED MERGANSER
bandings in Canada up to September 1978

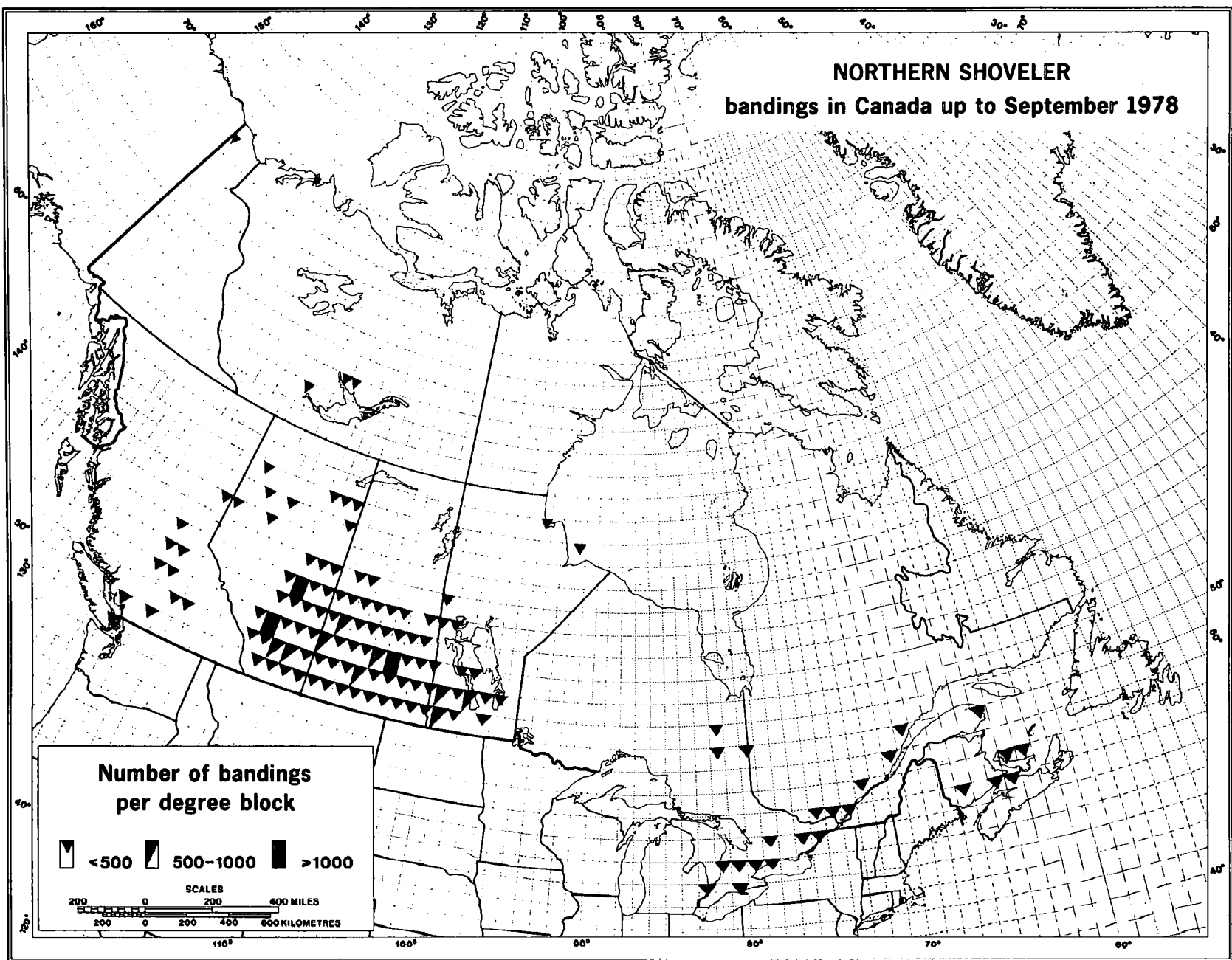
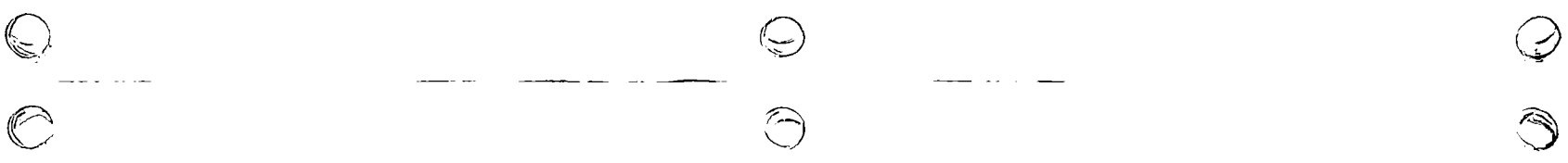
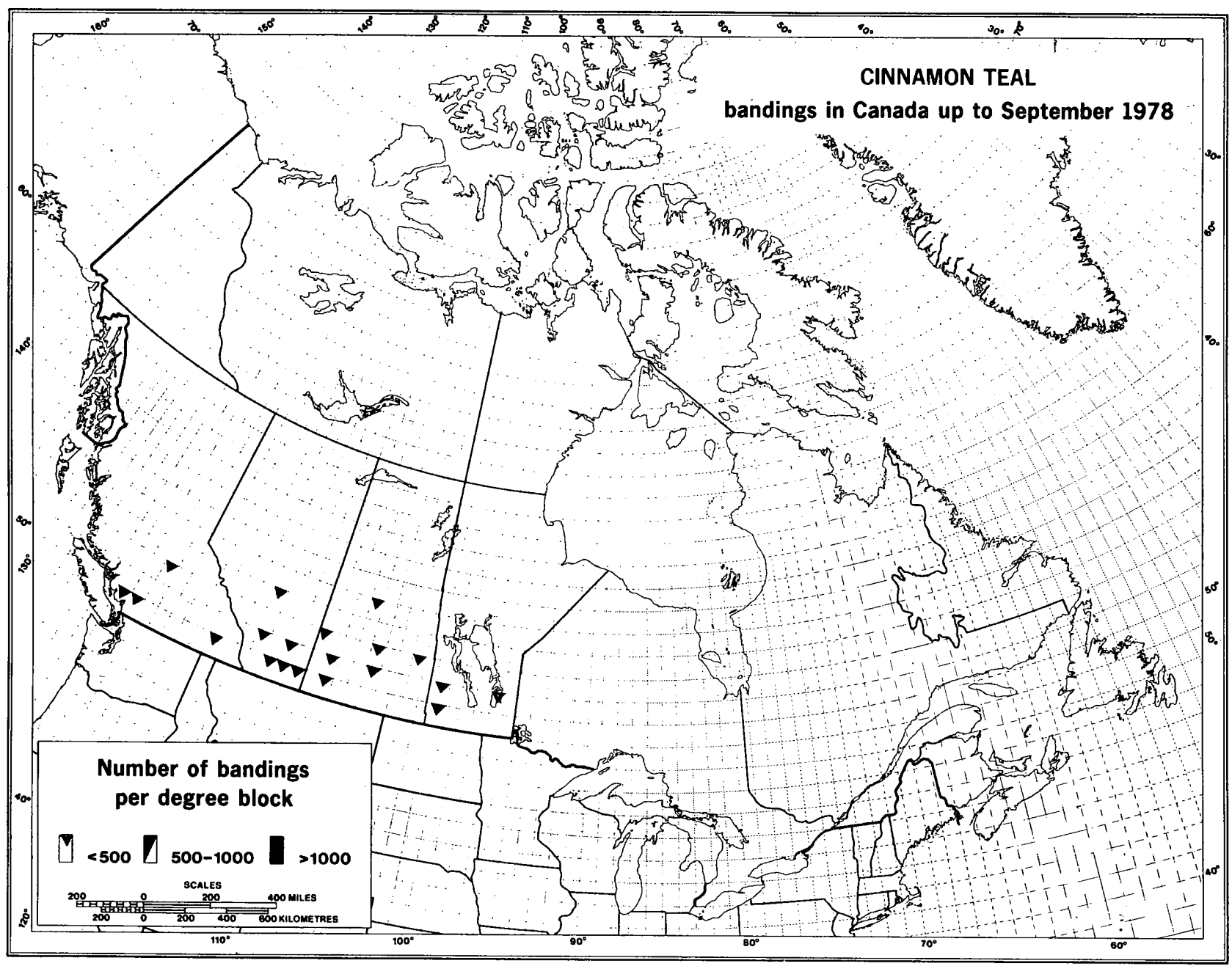


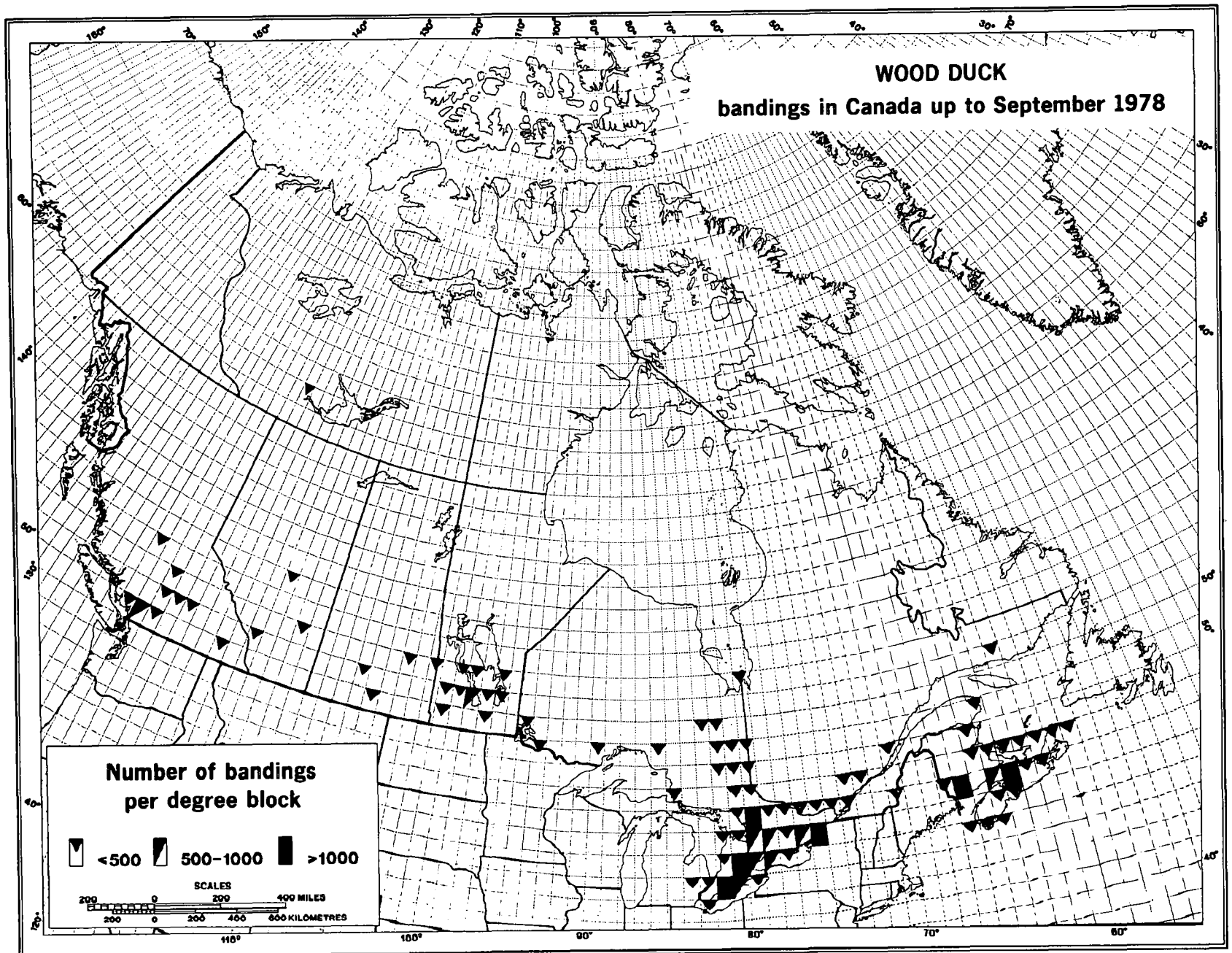
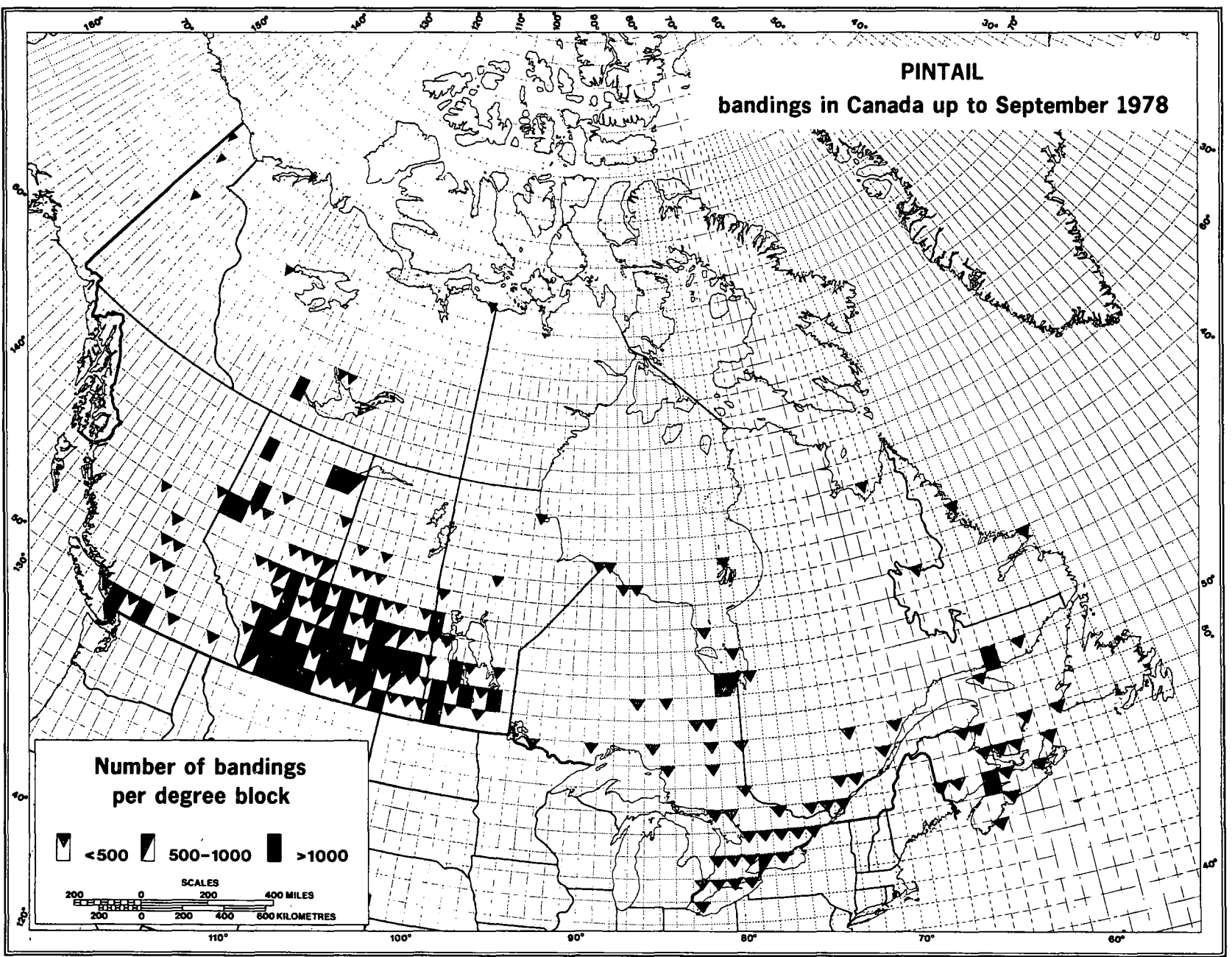
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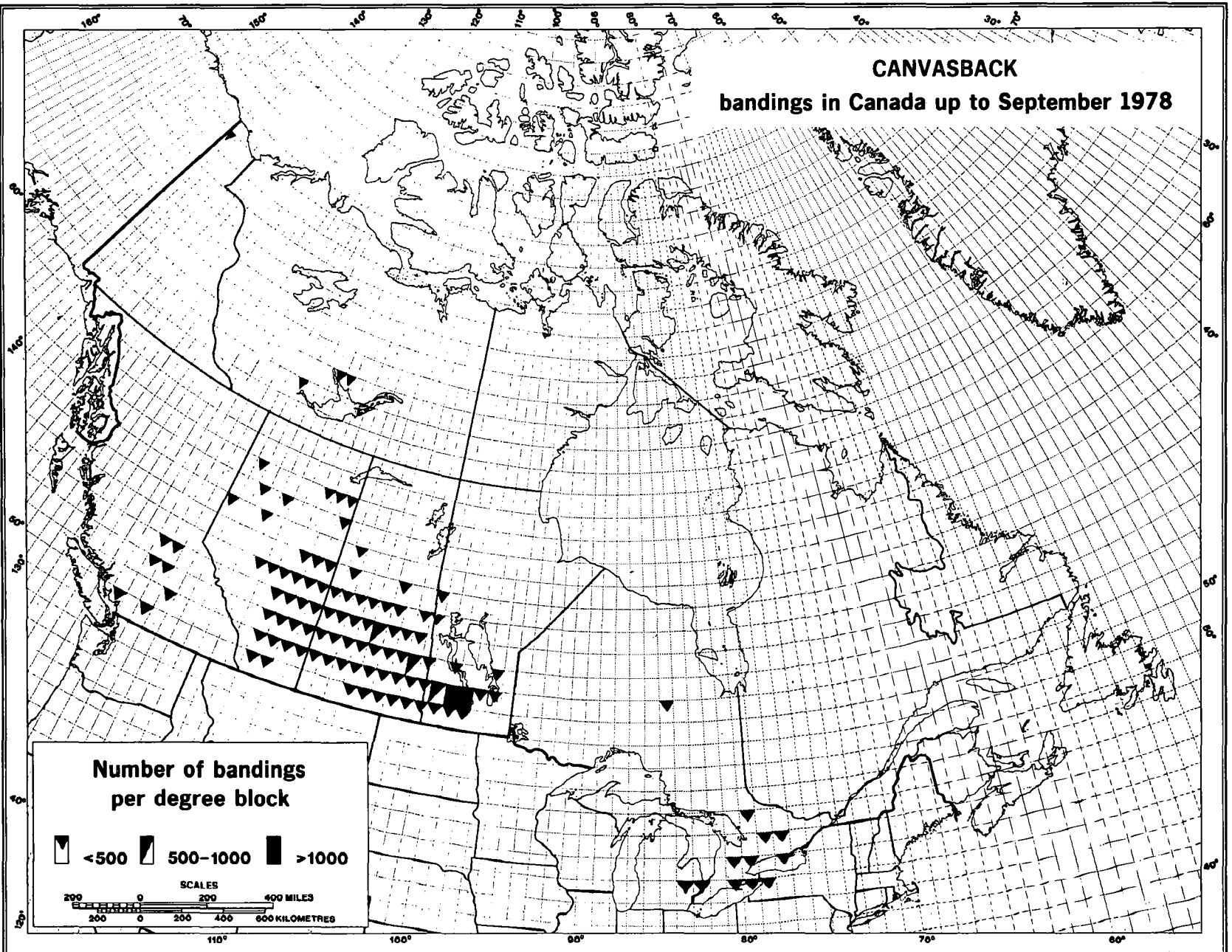
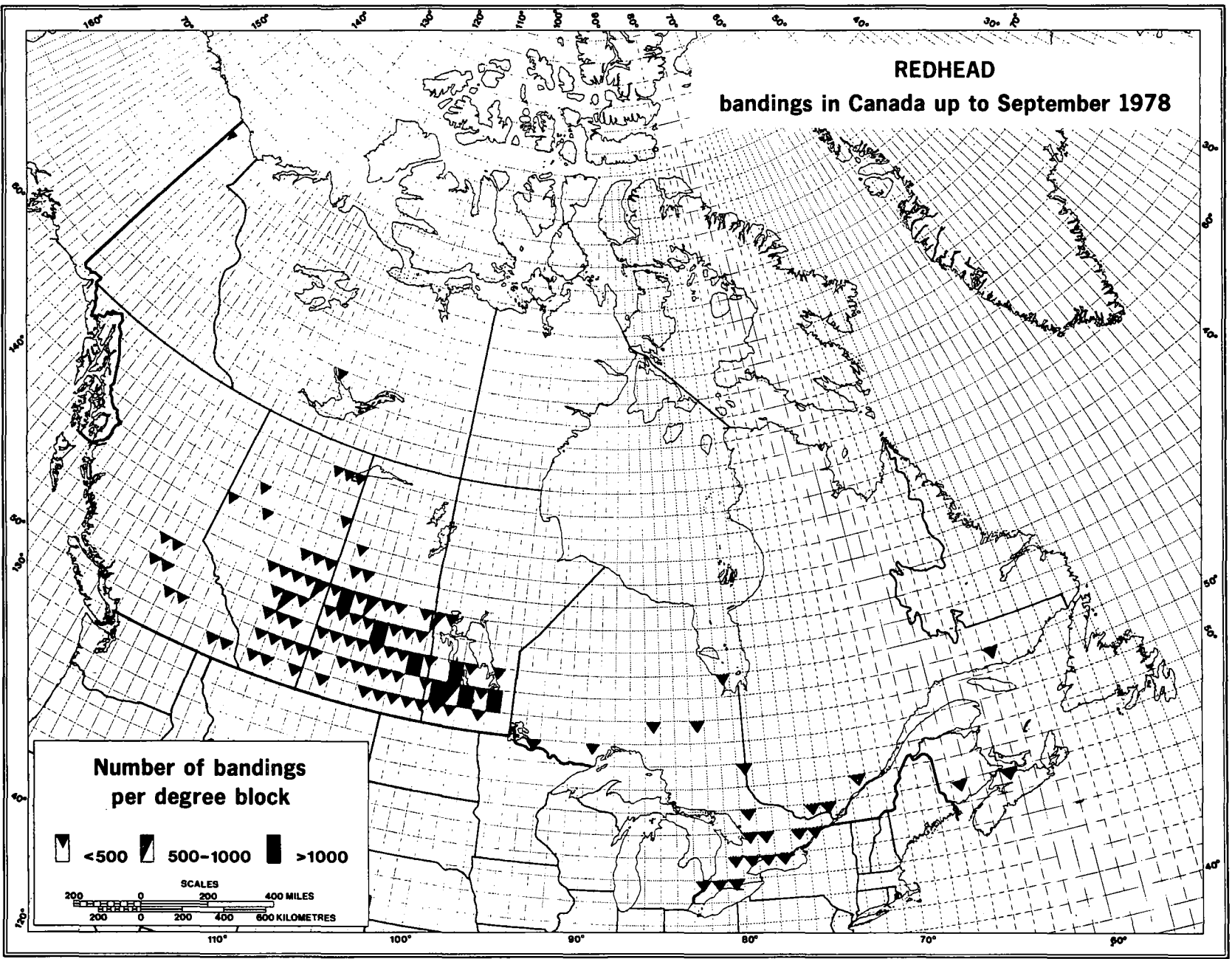


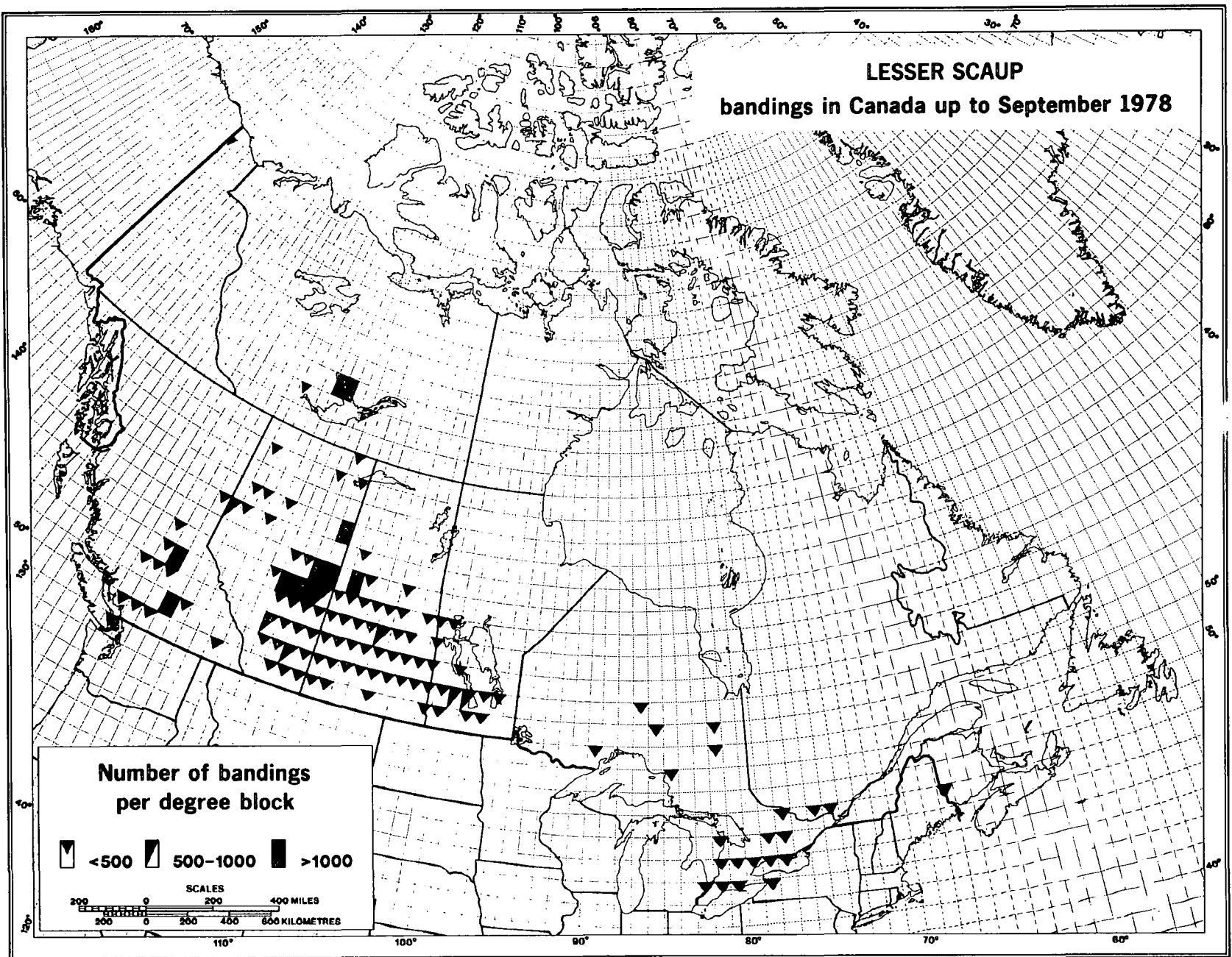
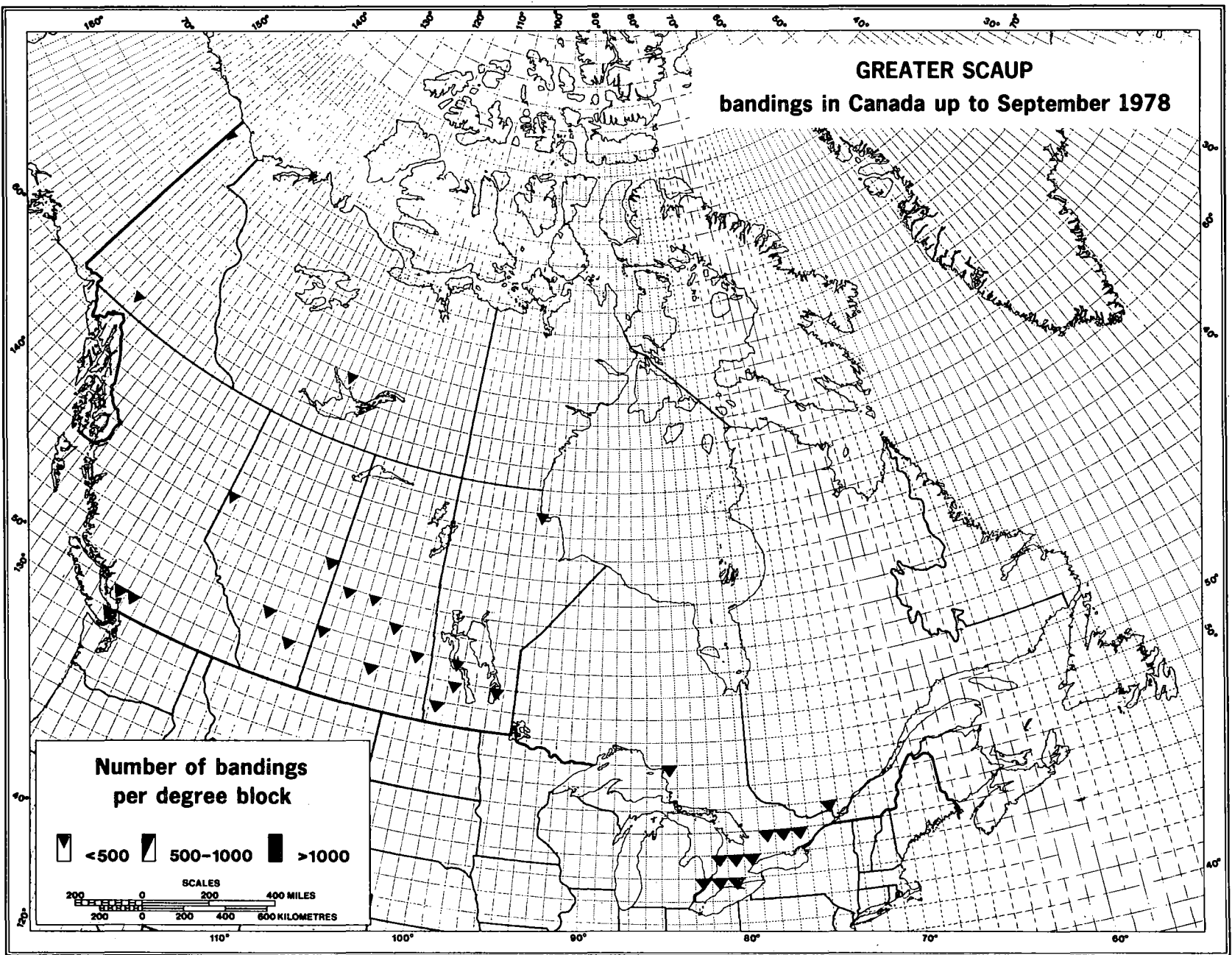


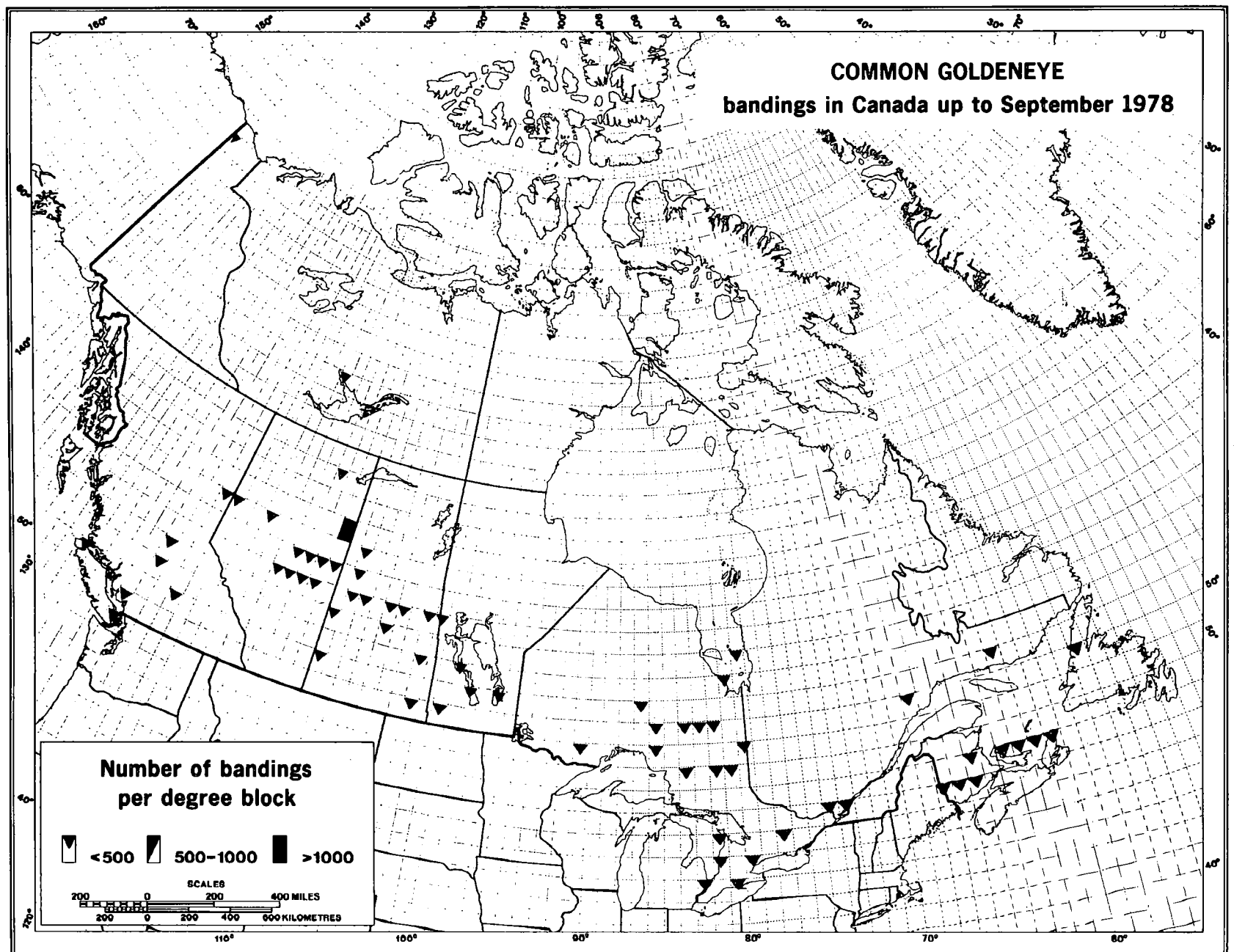
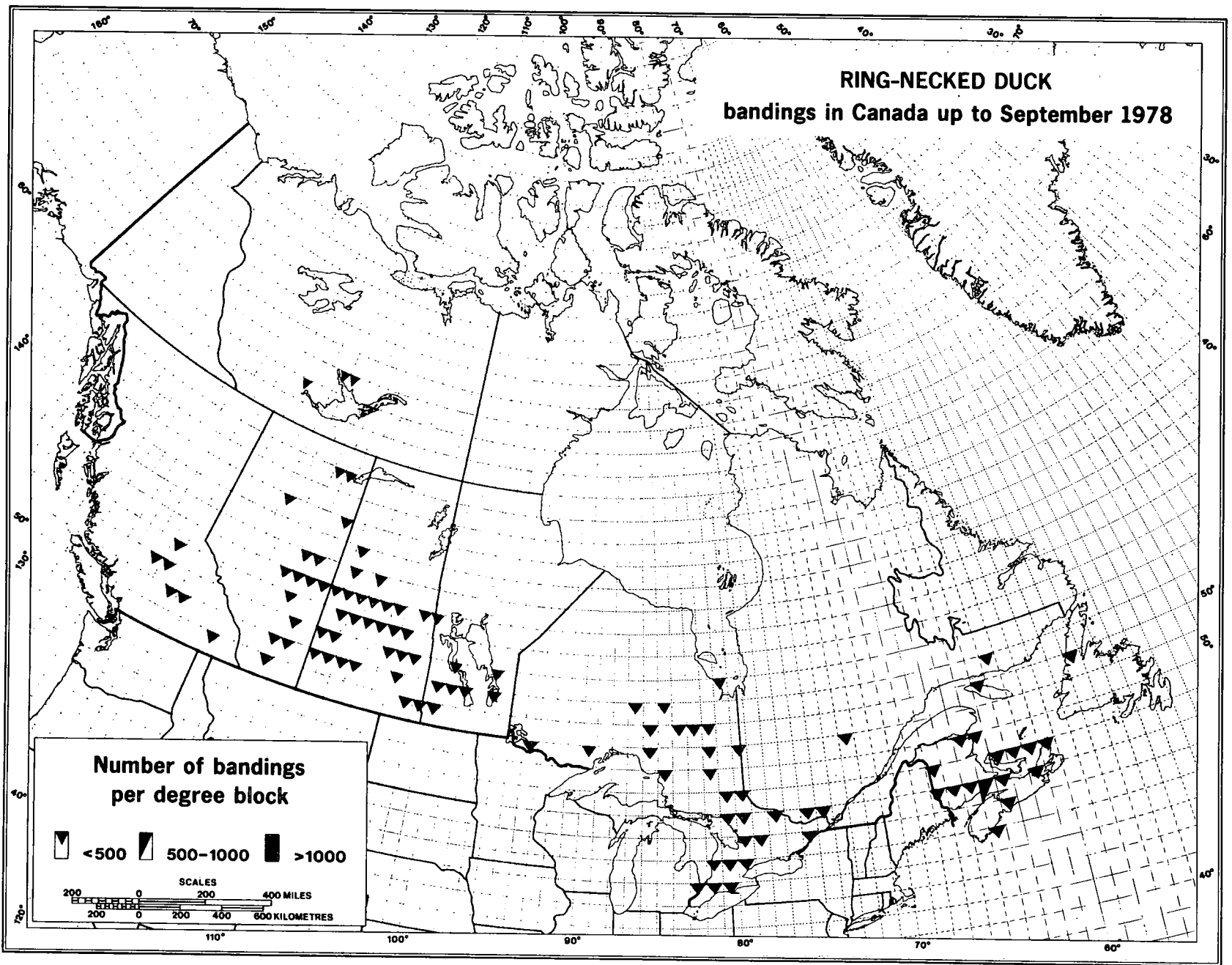


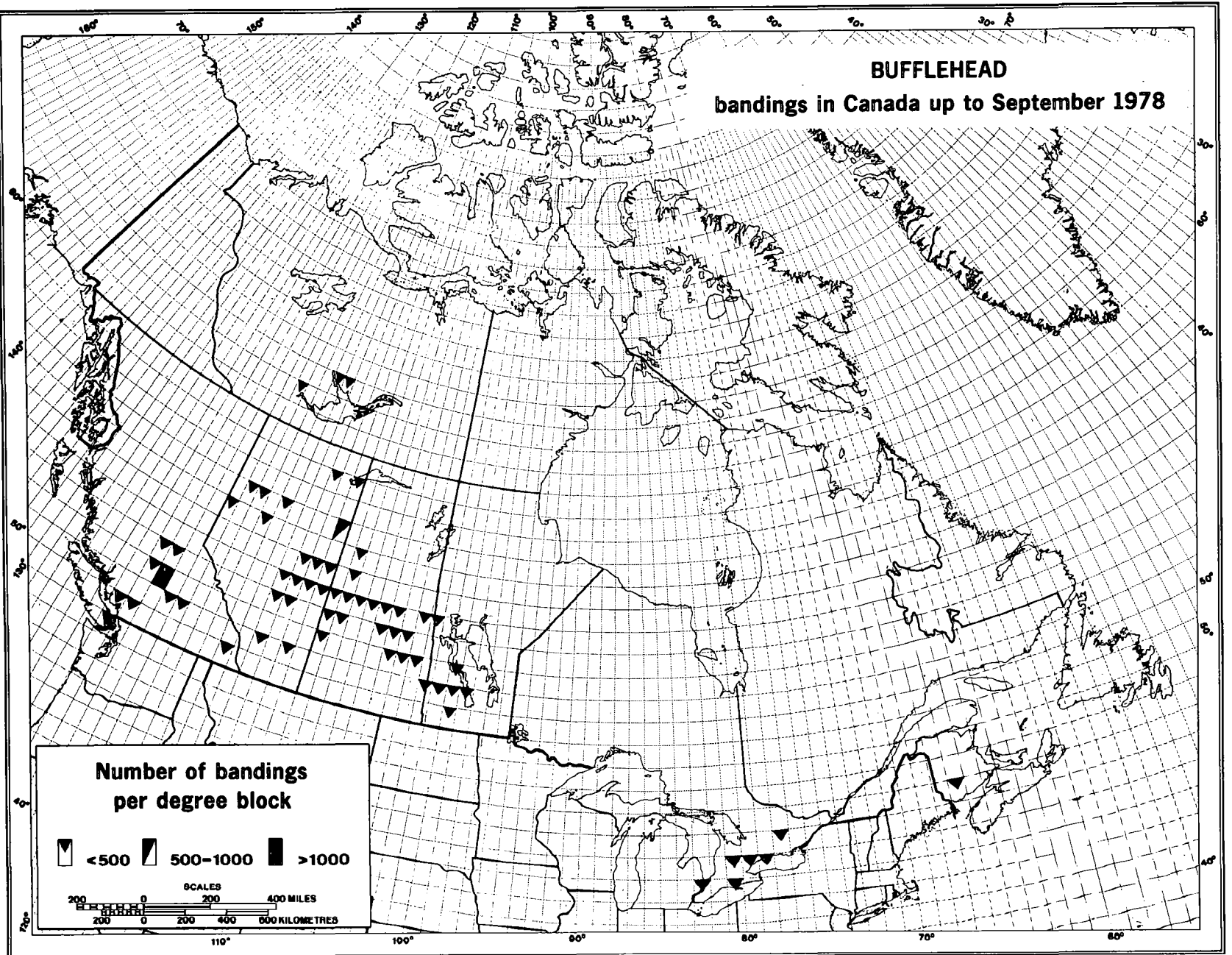
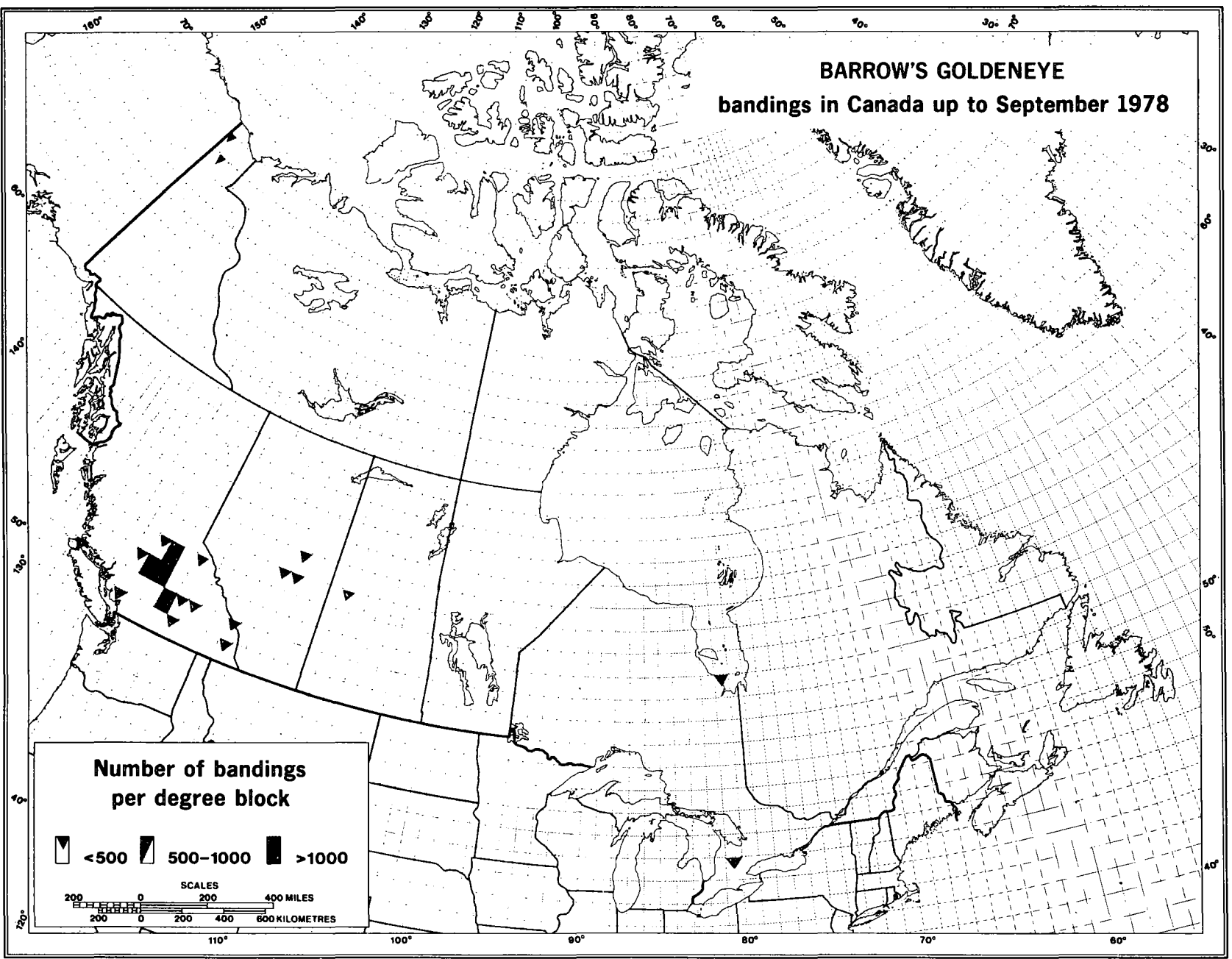


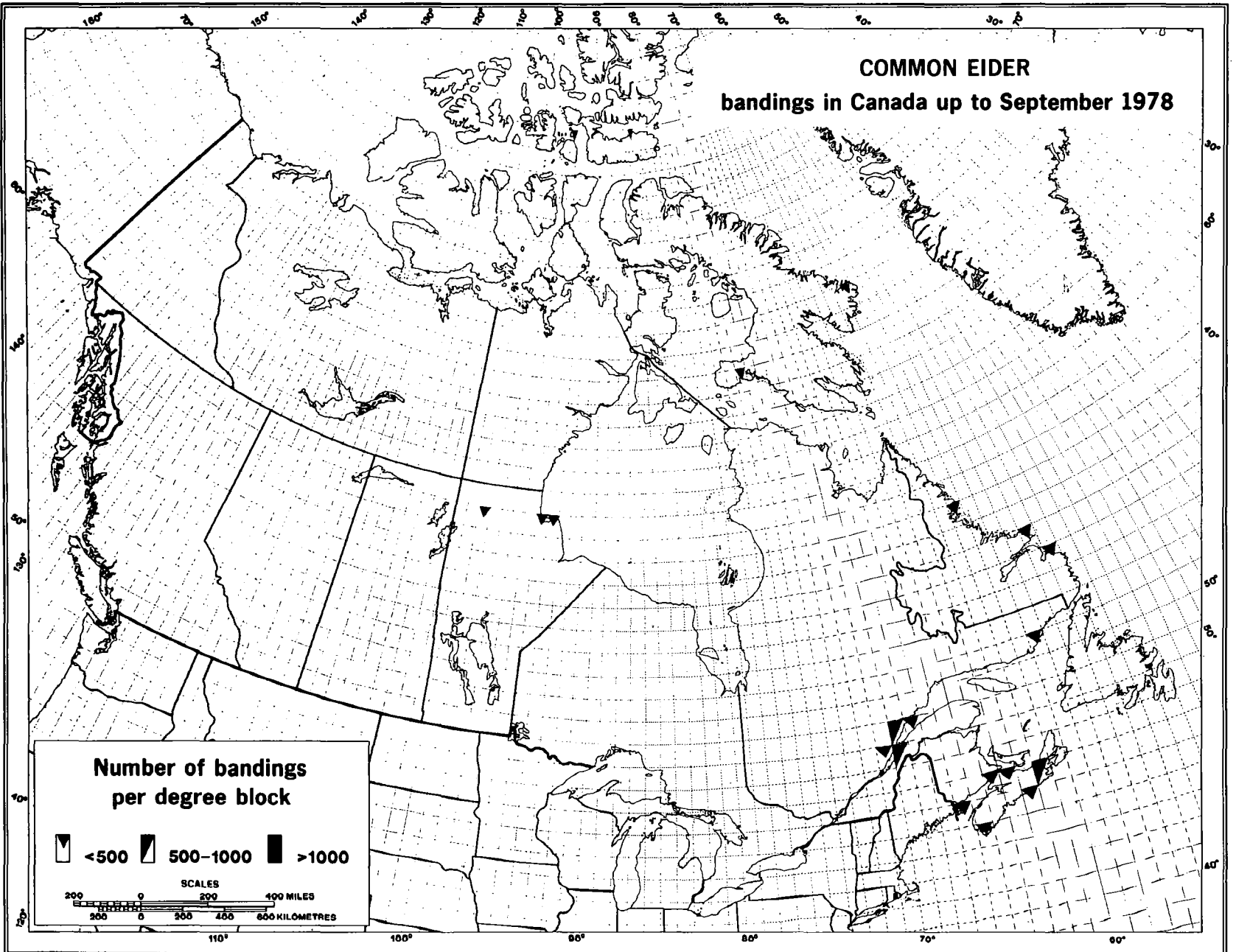
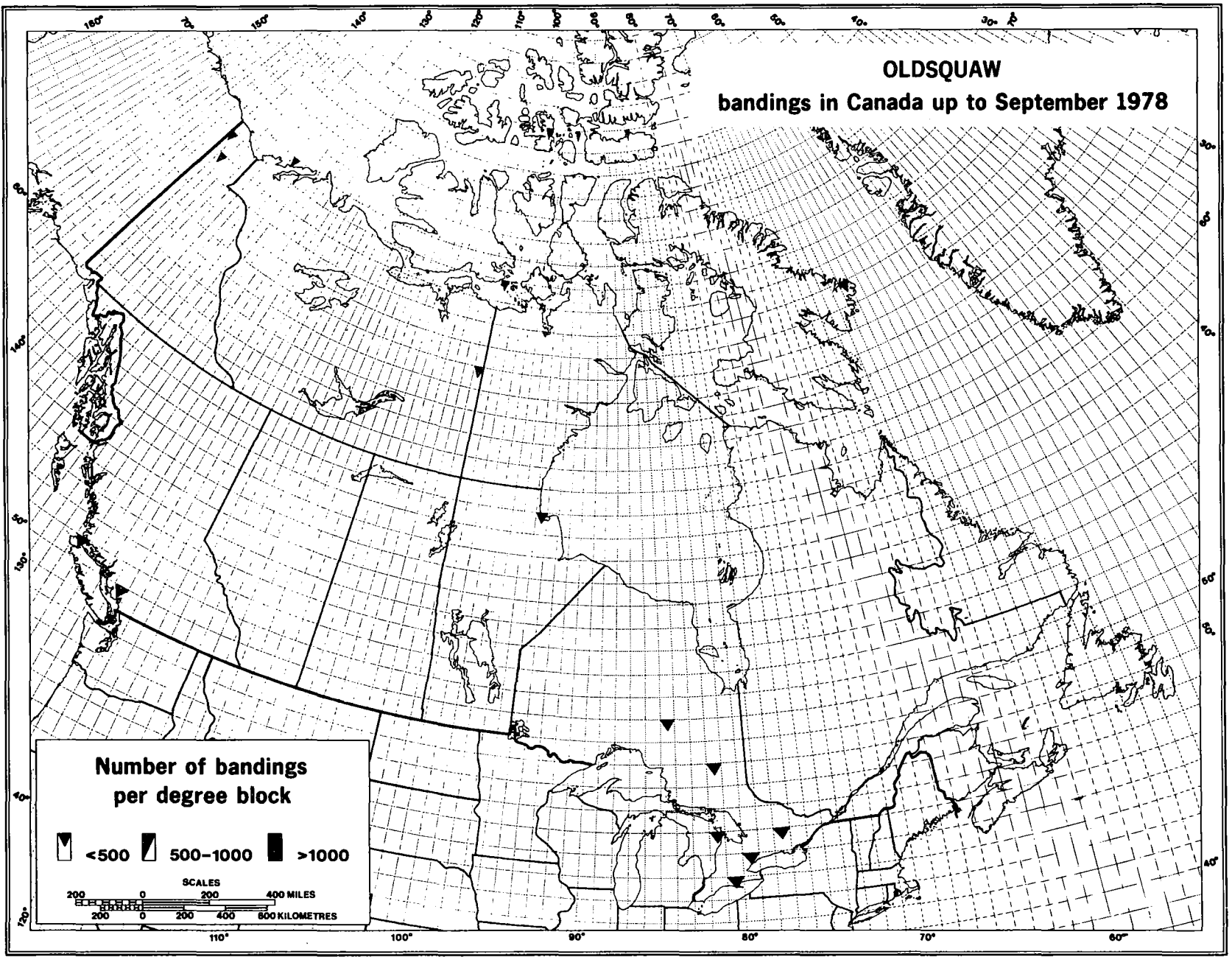


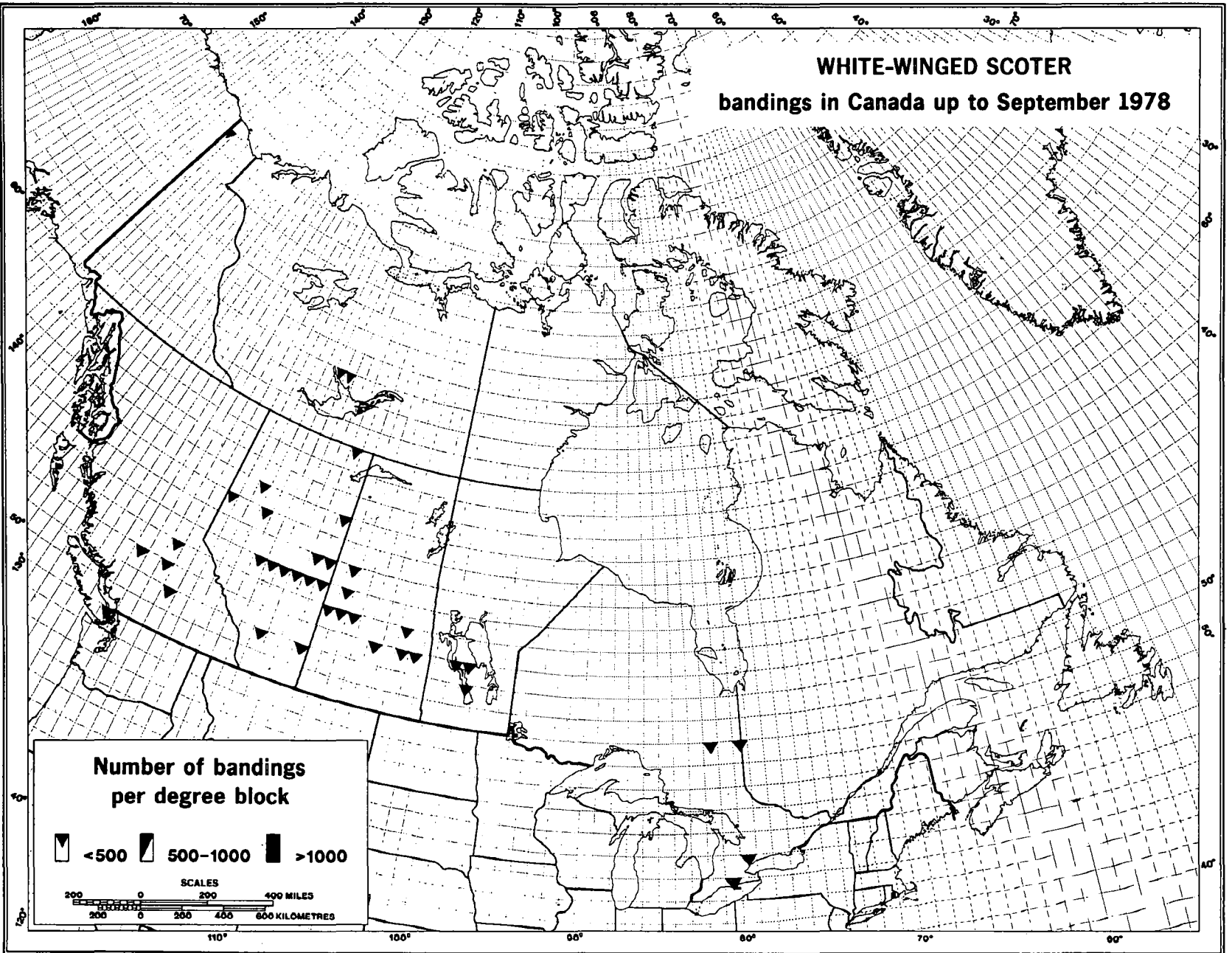
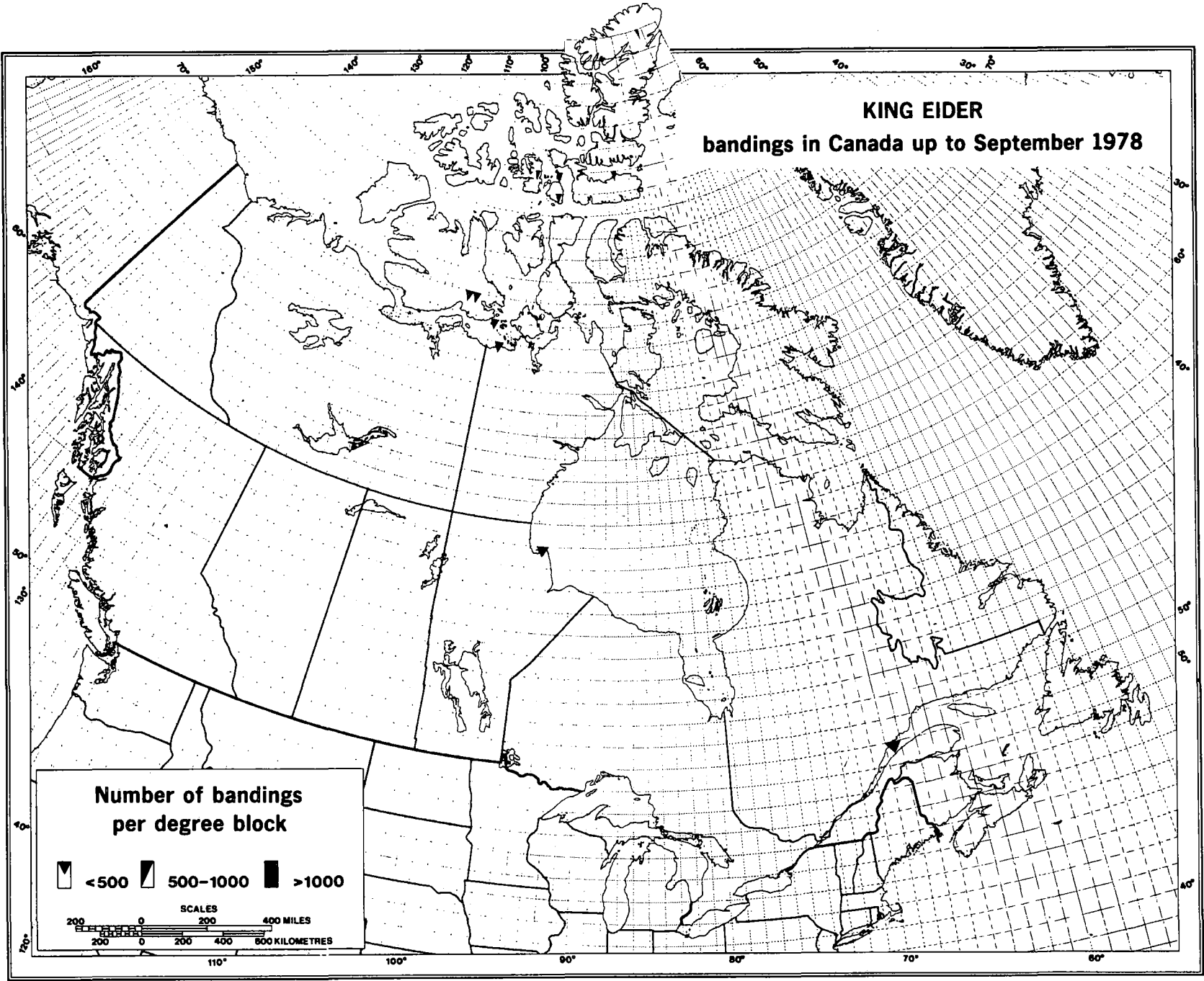


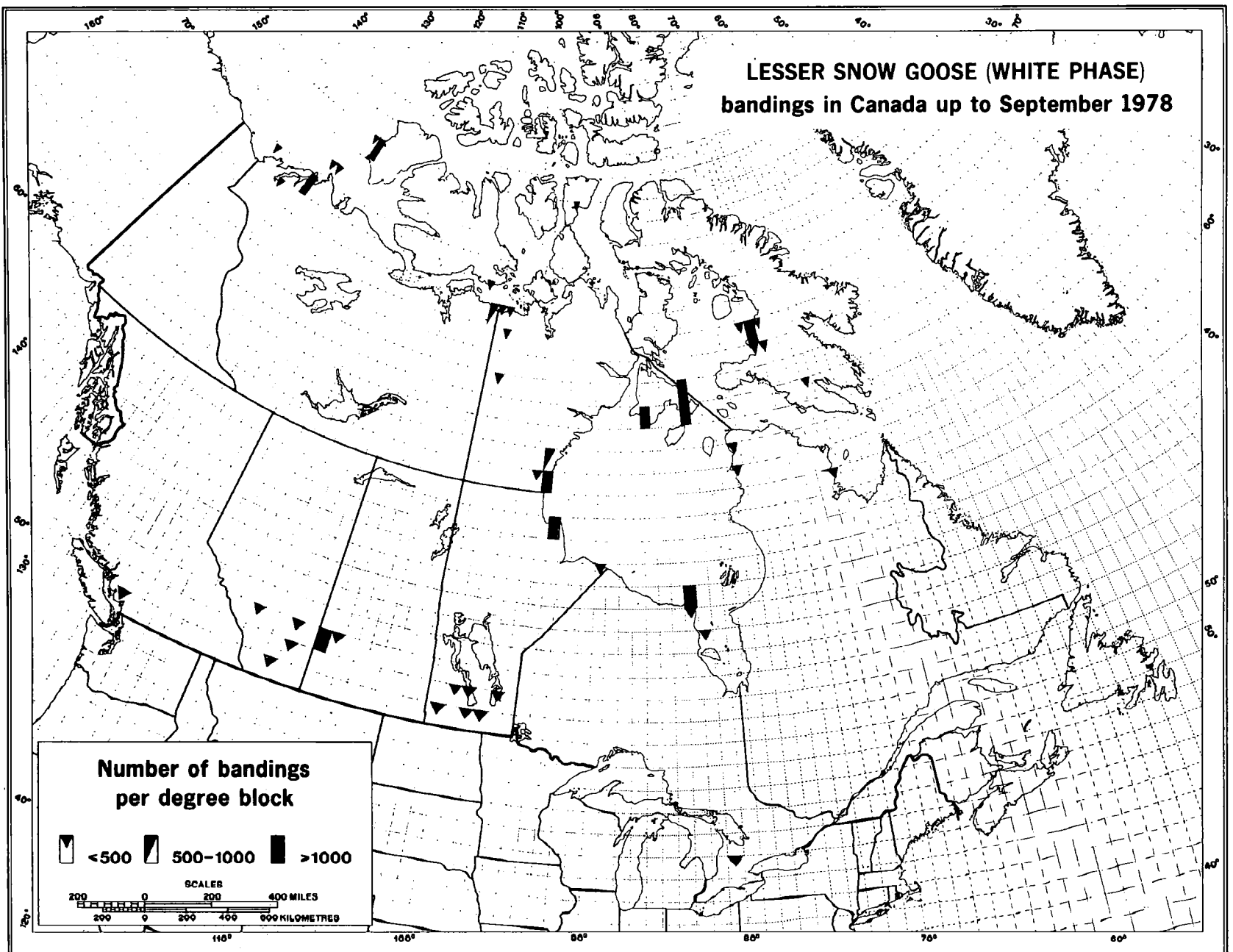
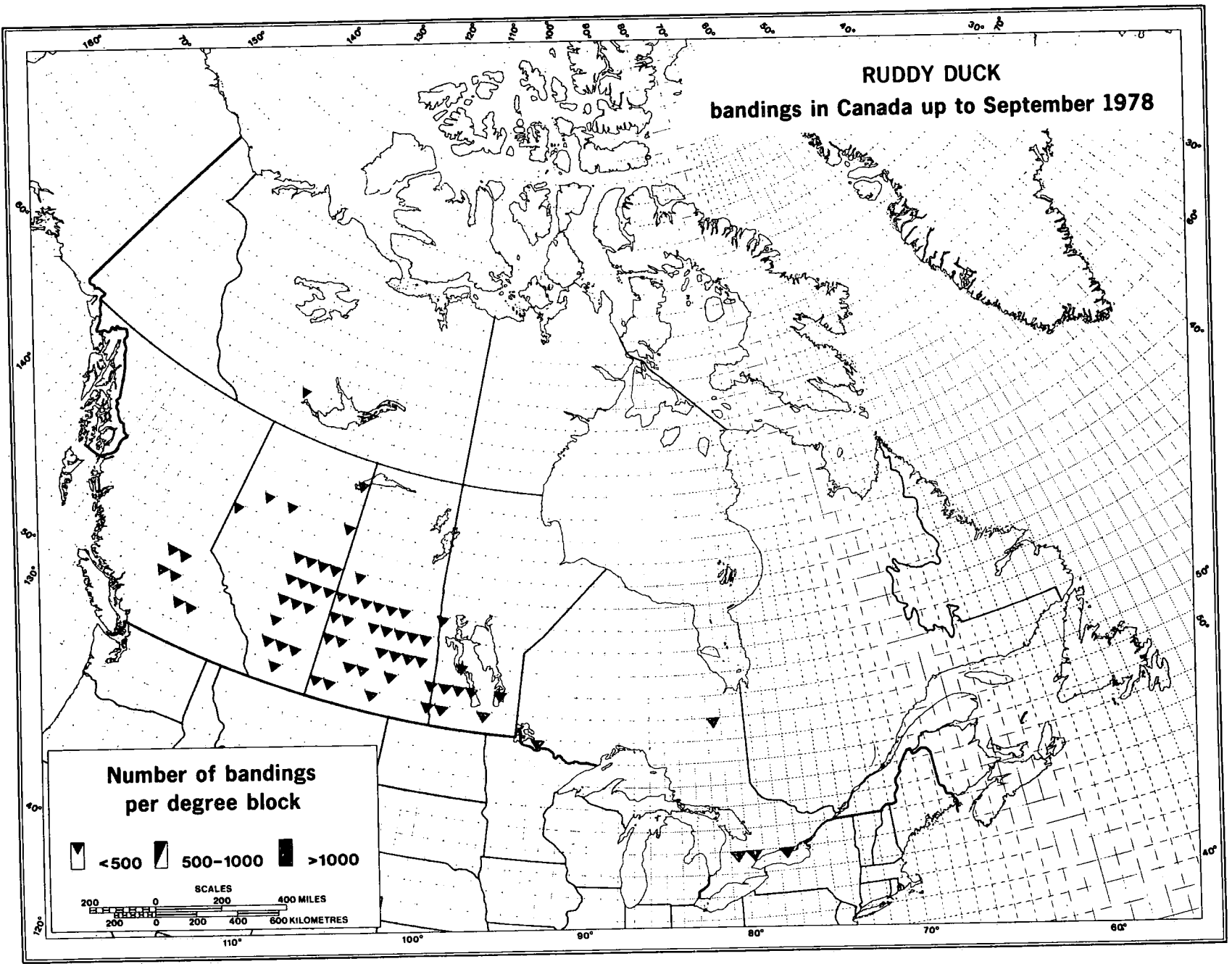


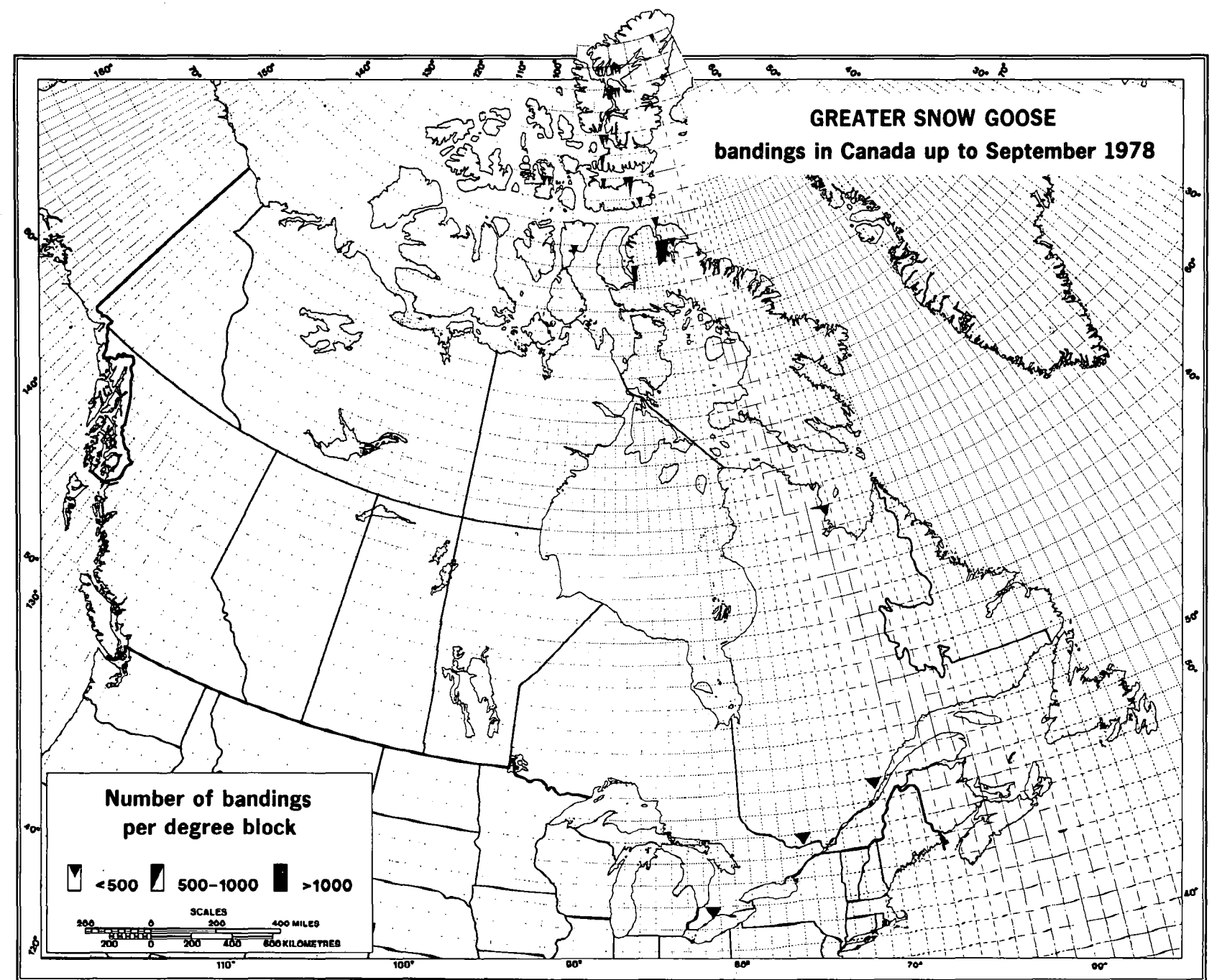
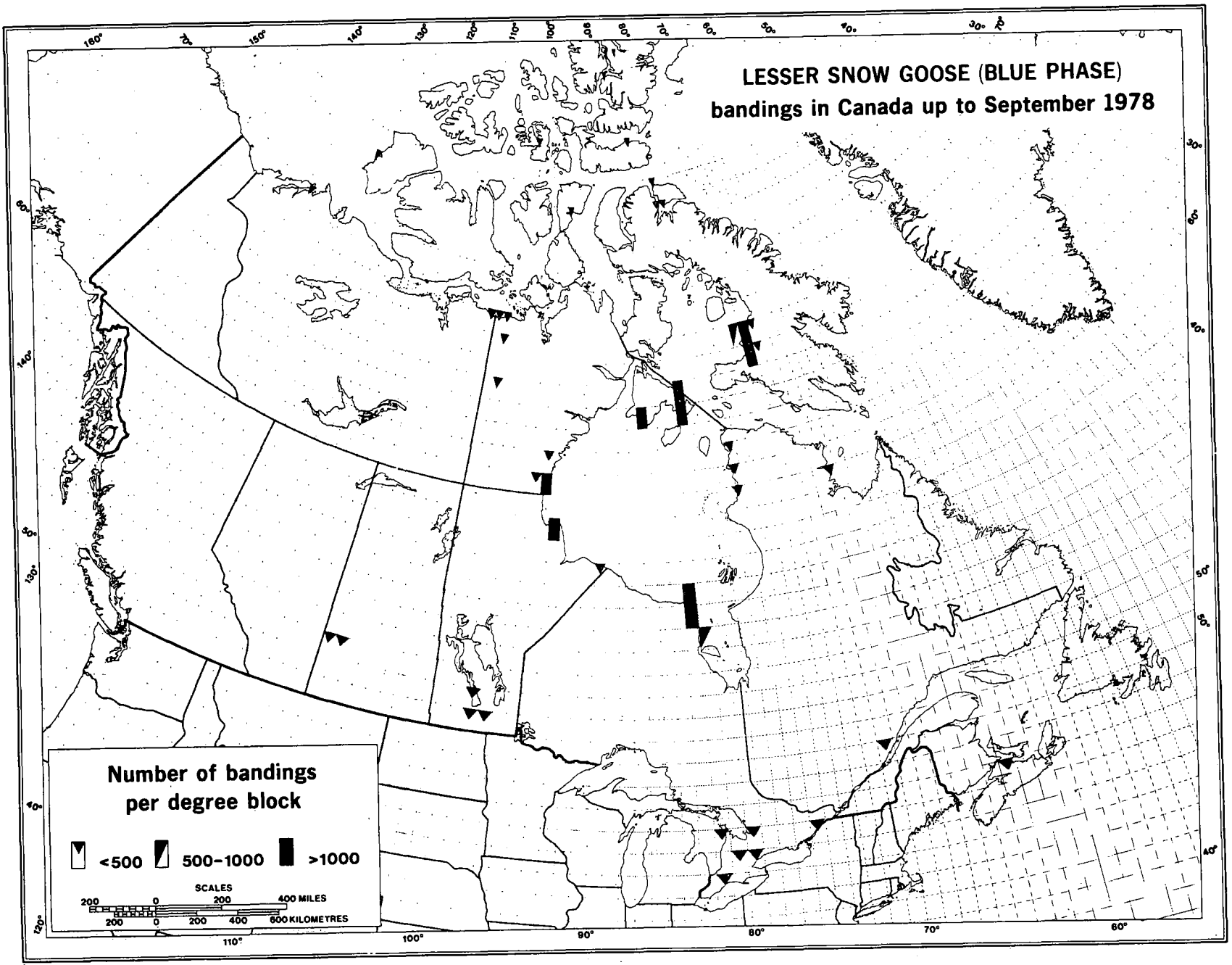


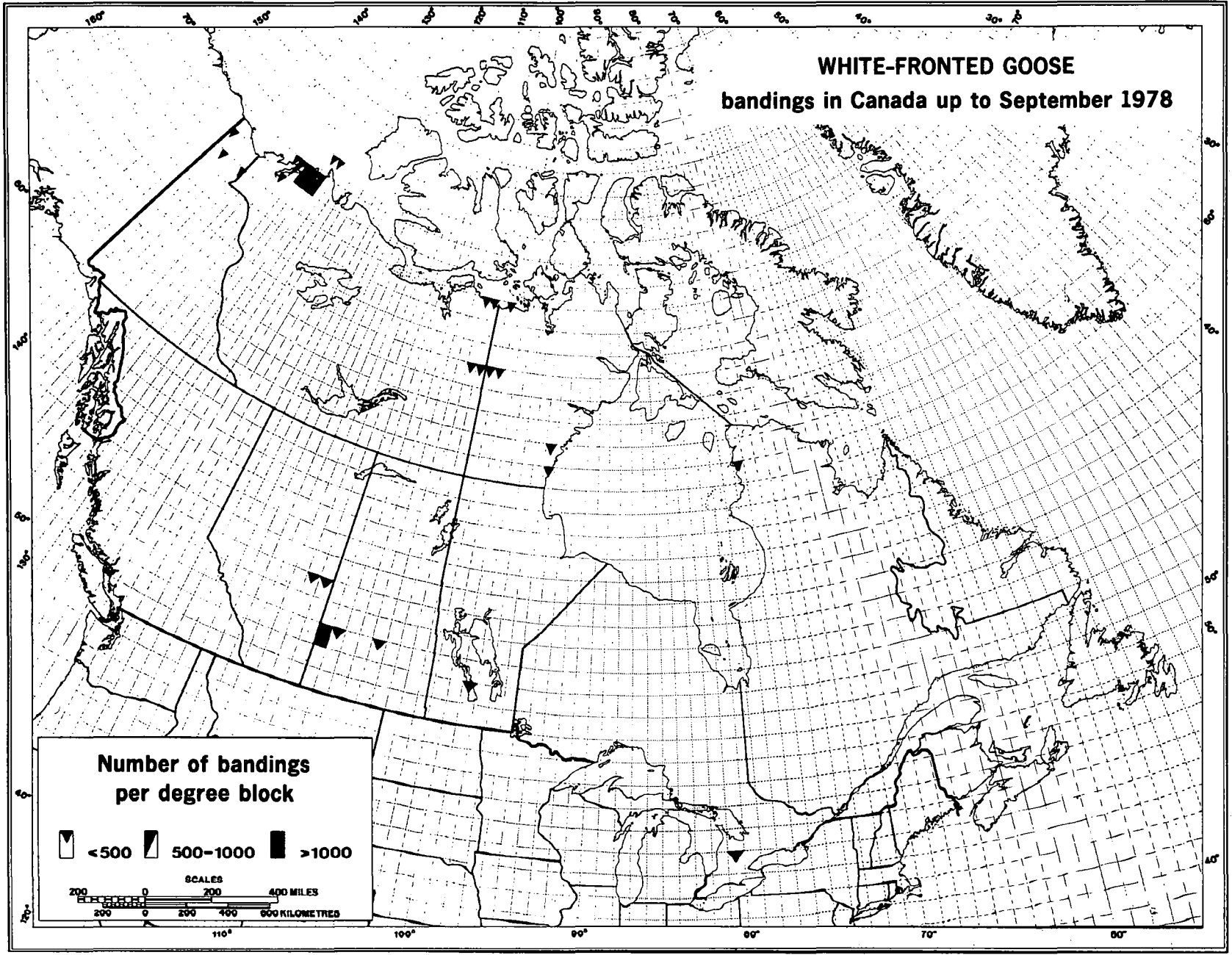
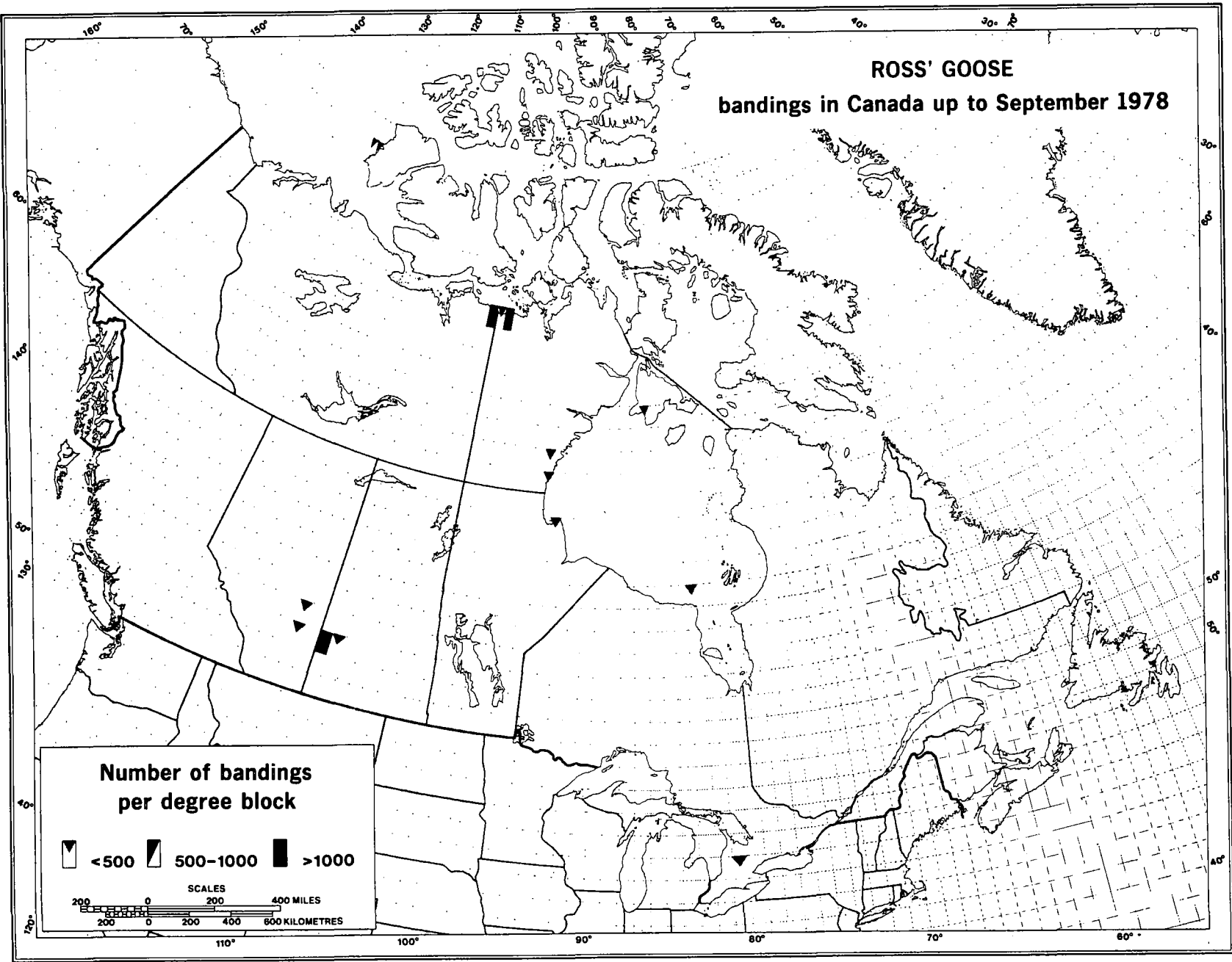


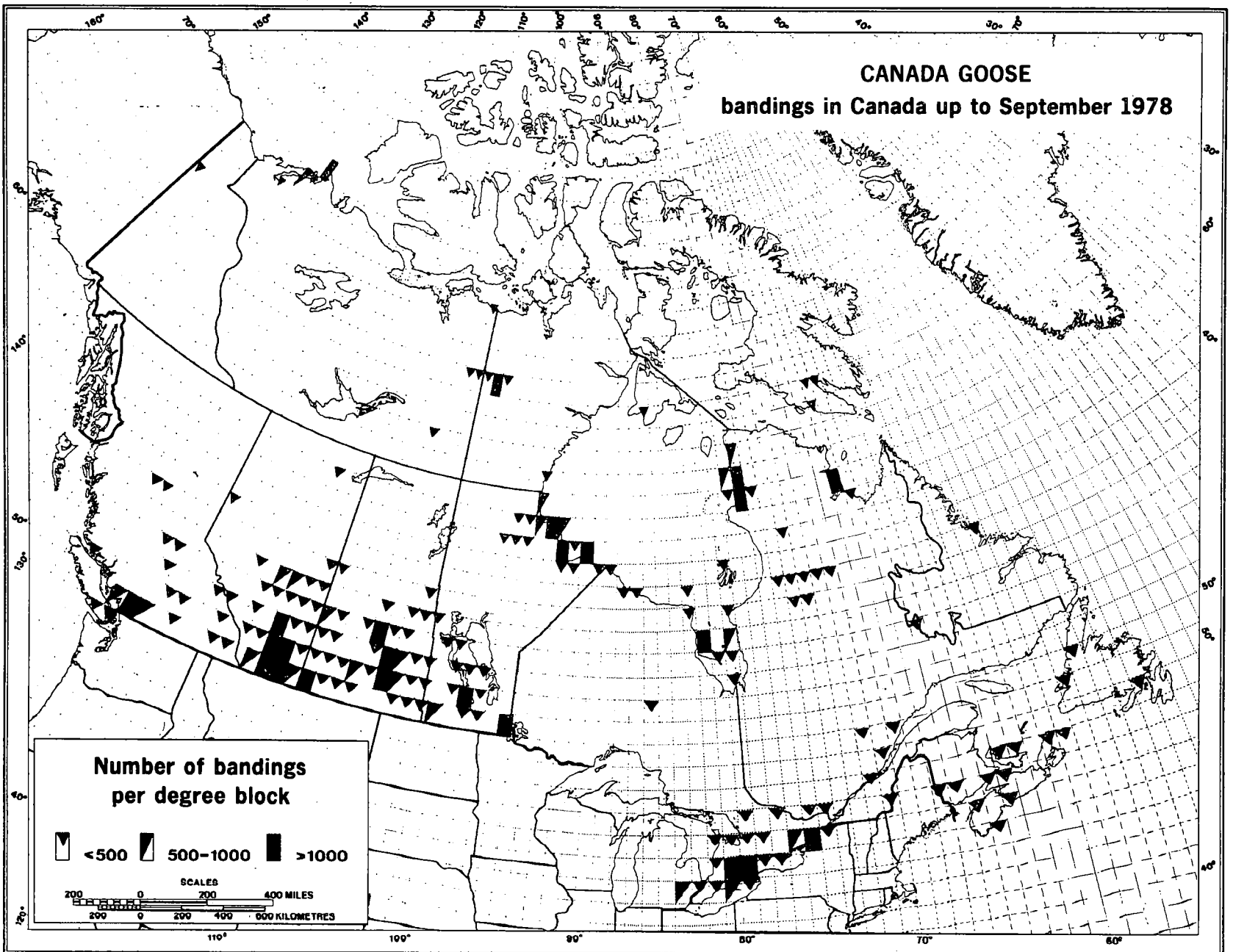
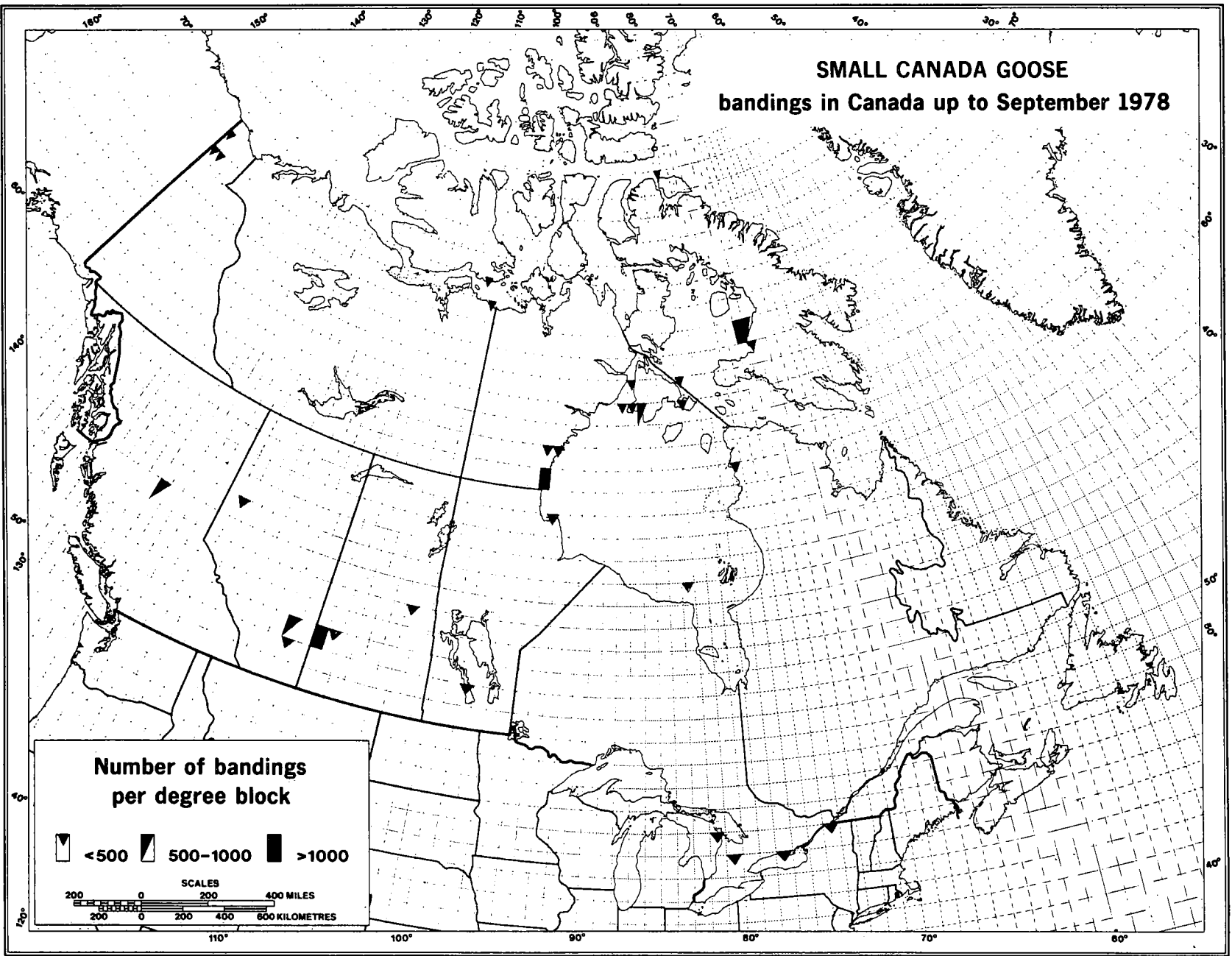


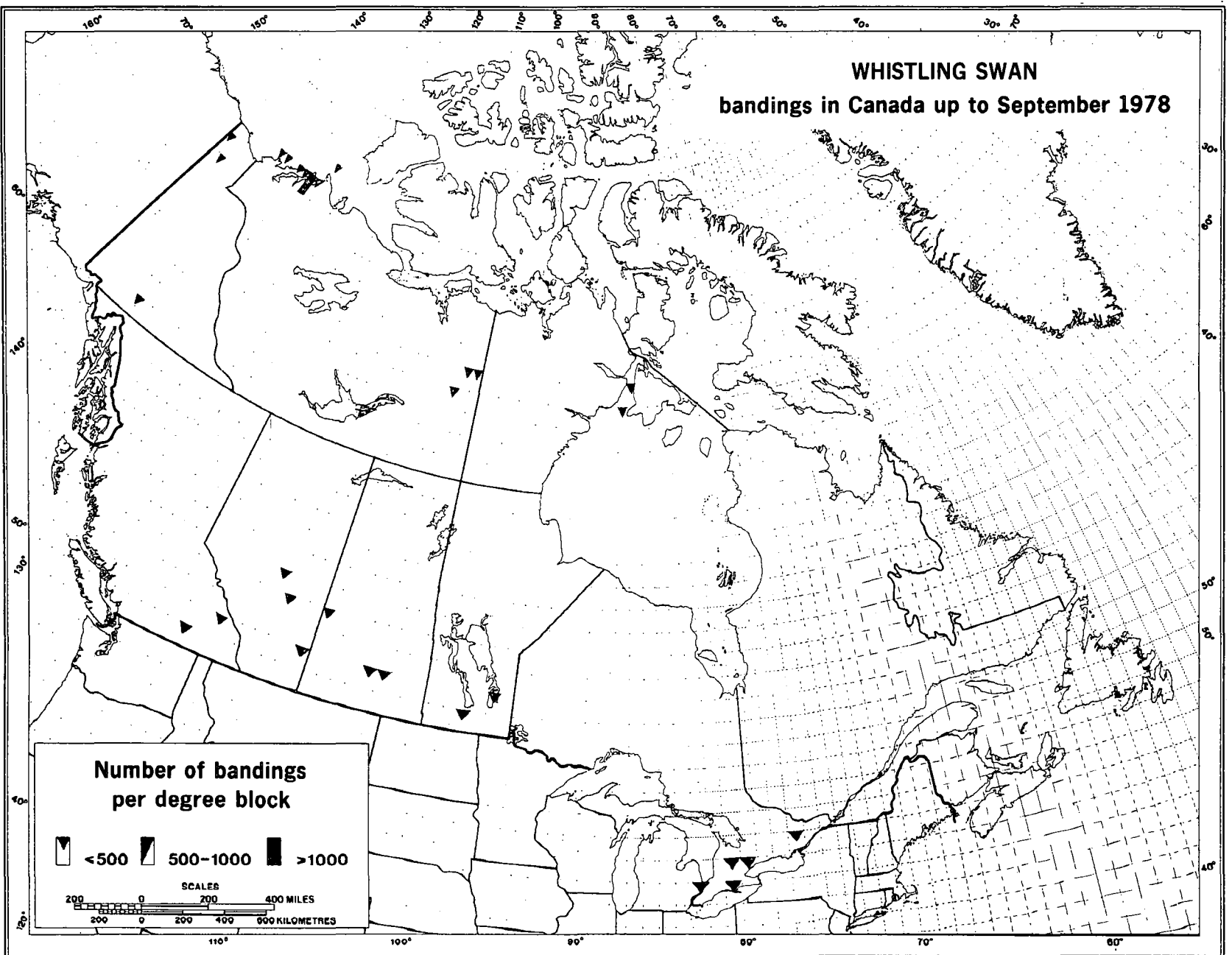
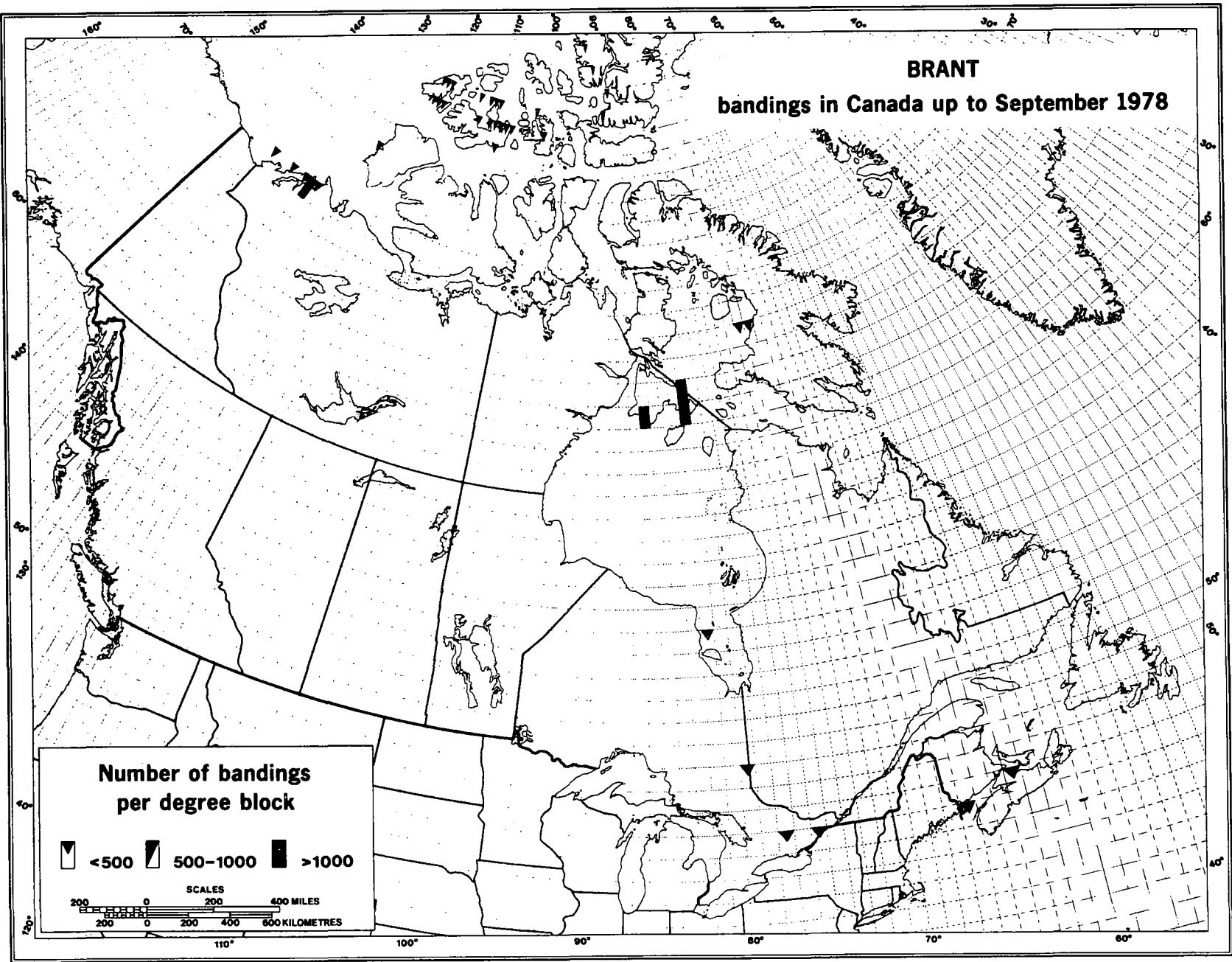












TRUMPETER SWAN
bandings in Canada up to September 1978

