Prepared for CAFSAC MEETING
October 26, 1978

Prepared by:
Chris Jones
Head, Data Collection Unit
Statistics Section
Fisheries Management
Halifax, Nova Scotia

CONTENTS

1. Introduction
2. Recommendation
3. Synopsis
4. Appendix

Within the past two years the Statistics Section, Maritime Region, has noticed that several inconsistencies exist in the accepted coordinates of Statistical Unit Areas. The original Statistical Areas were set up by the North American Council on Fishery Investigation 1943.

When I.C.N.A.F. set up their Subareas and Divisions, some of their boundaries did not coincide with those of the original Statistical Areas. At this time, the St. Andrew's Groundfish Investigation Committee apparently modified several Unit Areas' boundaries to coincide with those of the I.C.N.A.F. Divisions for Subarea 4.

As a result of a memorandum from R.G. Halliday to all Field Technicians dated September 3, 1969, a formal revision of unit areas was issued in order to eliminate the then present confusion concerning specific corrections in unit area boundaries for the Scotian Shelf and Georges Bank.

In 1976, inconsistencies were observed in the coordinates of the Gulf of St. Lawrence, Unit Areas between the Statistics Section and several Marine Fish Division technicians within the Maritime Region.

It was eventually understood that everyone involved would utilize one specific set of coordinates although no formal documentation was issued.

## $-4-$

In 1977, the Statistics Branch, Newfoundland Region, had developed a set of charts which indicated unit areas for only Subareas 2, 3, and 4 but omitted Subarea 5. Also, several Unit Areas on these charts did not coincide with the coordinates for Unit Areas utilized by the Maritime Region, particularly in the Gulf of St. Lawrence and Scotian Shelf. Furthermore, in Subareas 4 and 5, the Maritime Region utilized a three-character alphanumeric code for identification of unit areas while the Newfoundland Region used an unrelated three-character numeric code.

Therefore, recognizing that two different systems of both codes and inconsistent coordinates existed, the Statistics Section, from both regions, agreed to develop and propose a uniform and acceptable singular system of Statistical Unit Areas.

## RECOMMENDATIONS

As a result of the agreement reached between the two East Coast Fisheries Management Regions, it was understood that the Statistics Section, Halifax, would draft a revised set of statistical unit area coordinates and codes for the entire East Coast based upon the existing systems presently in use for subarea 4 and 5.

Therefore, a set of charts utilizing both the accepted Maritime coordinates and codes and also the coordinates of the Newfoundland Regions Statistical Unit Area was developed.

This new set of charts adopting an alphanumeric coding system was presented to the Statistical Survey and Sampling Subcommittee meeting in St.John's, Newfoundland, on August 7, 1978.

The purpose in presenting these charts at this meeting was to obtain critical comments and analysis from both the Newfoundland Statistics Branch and the members of the S.S.S.S.

The Newfoundland Statistics Branch agreed in principle to adopting from their existing numeric codes to the proposed alphanumeric system for the Statistical Unit Areas in Subareas 2, 3, 4, and 5.

Our rationale for proposing a uniform alphanumeric coding system similar to the existing system in subareas 4 and 5 exist in the relative ease of identification.

## $-6-$

The alphanumeric system would utilize only three characters:

1. The first character would utilize a number which would represent and identify the ICNAF Subarea.
2. The second character would utilize an alphabetic letter which would represent and identify the respective ICNAF division.
3. The third character would also utilize an alphabetic letter which would represent and identify the Statistical Unit Area within a specific division.

This particular alphanumeric system is proposed to be entered via our existing EDP systems for quick visual identification of catch location on catch and effort files.

We would also like to recommend that if this proposed system is adopted that a suitable marine chart indicating the major fishing banks be used.

It is intended that this new proposed system of uniform alphanumeric codes will help eliminate future confusion and ambiguities that presently exist with the interpretations of current Statistical Unit Areas.

In reiteration of the previous comments, it was noted that several inconsistencies existed in the coordinates of Statistical Unit Areas between several fisheries operation centres within the Maritime Region. This mainly occurred in reference to the Gulf of St. Lawrence Statistical Unit Areas whereby no two individuals maintained charts with identical coordinates. Also, we were unable to locate any source documentation pertaining to the Area coordinates within the Gulf.

The proposed set of charts which the Newfoundland Region developed in 1977, created additional confusion in identifying Statistical Unit Areas. In this instance, several of their coordinates were inconsistent from the Maritime Region's coordinates. Also, the Newfoundland Region's system of coding utilized a numeric system while the Maritime Region used an alphanumeric identification system.

Therefore, we wish to recommend that this proposed system of standardization of coordinates and use of an alphanumeric identification code for the Statistical Unit Areas be adopted. It is expected that this system will eliminate the present state of confusion and misunderstanding.

If this proposal is adopted, it is our intention to implement this system for general distribution by January, 1979.

## -8-

## APPENDIX

1. Identification chart of proposed East Coast Alphanumeric Coded Statistical Unit Areas.
2. Coordinates of proposed Statistical Unit Areas.
3. Coordinates of existing ICNAF subareas and divisions.
4. Memorandum from R.G. Halliday to MFN Technicians.
$-9-$

## DIVISION 2G

$$
\begin{array}{ll}
\text { starts } & 57^{\circ} 40^{\prime} \mathrm{N} / 61^{\circ} 40^{\prime} \mathrm{W} \text { to } 57^{\circ} 40^{\prime} \mathrm{N} / 52^{\circ} 05^{\prime} \mathrm{W} \text { to } \\
& 61^{\circ} 00^{\prime} \mathrm{N} / 59^{\circ} 00^{\prime} \mathrm{W} \text { to } 61^{\circ} 00^{\prime} \mathrm{N} / 64^{\circ} 30^{\prime} \mathrm{W} \text { to } \\
& 60^{\circ} 26^{\prime} \mathrm{N} / 64^{\circ} 30^{\prime} \mathrm{W} \text { ENDAT }
\end{array}
$$

## UNIT AREA 2GA

starts $\quad 59^{\circ} 30^{\prime} \mathrm{N} / 63^{\circ} 45^{\prime} \mathrm{W}$ to $59^{\circ} 30^{\prime} \mathrm{N} / 62^{\circ} 00^{\prime} \mathrm{W}$ to $60^{\circ} 30^{\prime} \mathrm{N} / 62^{\circ} 00^{\prime} \mathrm{W}$ to $60^{\circ} 30^{\prime} \mathrm{N} / 64^{\circ} 30^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 2GB
starts $\quad 59^{\circ} 30^{\prime} \mathrm{N} / 62^{\circ} 00^{\prime} \mathrm{W}$ to $59^{\circ} 30^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ to $60^{\circ} 30^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ to $60^{\circ} 30^{\prime} \mathrm{N} / 62^{\circ} 00^{\prime} \mathrm{W}$ to $59^{\circ} 30^{\prime} \mathrm{N} / 62^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 2GC
starts $\quad 58^{\circ} 30^{\prime} \mathrm{N} / 62^{\circ} 35^{\prime} \mathrm{W}$ to $58^{\circ} 30^{\prime} \mathrm{N} / 61^{\circ} 00^{\prime} \mathrm{W}$ to $59^{\circ} 30^{\prime} \mathrm{N} / 61^{\circ} 00^{\prime} \mathrm{W}$ to $59^{\circ} 30^{\prime} \mathrm{N} / 63^{\circ} 45^{\prime} \mathrm{W}$ ENDAT

## UNIT AREA 2GD

starts $\quad 58^{\circ} 30^{\prime} \mathrm{N} / 61^{\circ} 00^{\prime} \mathrm{W}$ to $58^{\circ} 30^{\prime} \mathrm{N} / 59^{\circ} 00^{\prime} \mathrm{W}$ to $59^{\circ} 30^{\prime} \mathrm{N} / 59^{\circ} 00^{\prime} \mathrm{W}$ to $59^{\circ} 30^{\prime} \mathrm{N} / 61^{\circ} 00^{\prime} \mathrm{W}$ to $58^{\circ} 30^{\prime} \mathrm{N} / 61^{\circ} 00^{\prime} W$ ENDAT

UNIT AREA 2GE
starts $\quad 57^{\circ} 40^{\prime} \mathrm{N} / 61^{\circ} 40^{\prime} \mathrm{W}$ to $57^{\circ} 40^{\prime} \mathrm{N} / 61^{\circ} 00^{\prime} \mathrm{W}$ to $58^{\circ} 30^{\prime} \mathrm{N} / 61^{\circ} 00^{\prime} \mathrm{W}$ to $58^{\circ} 30^{\prime} \mathrm{N} / 62^{\circ} 35^{\prime} \mathrm{W}$ ENDAT

## $-10-$

UNIT AREA 2GF

| starts | $57^{\circ} 40^{\prime} \mathrm{N} / 61^{\circ} 00^{\prime} \mathrm{W}$ to $57^{\circ} 40^{\prime} \mathrm{N} / 59^{\circ} 00^{\prime} \mathrm{W}$ to |
| :--- | :--- |
|  | $58^{\circ} 30^{\prime} \mathrm{N} / 59^{\circ} 00^{\prime} \mathrm{W}$ to $58^{\circ} 30^{\prime} \mathrm{N} / 67^{\circ} 00^{\prime} \mathrm{W}$ to |
|  | $57^{\circ} 40^{\prime} \mathrm{N} / 67^{\circ} 00^{\prime} \mathrm{W}$ ENDAT |

UNIT AREA 2GP
starts $\quad 57^{\circ} 40^{\prime} \mathrm{N} / 59^{\circ} 00^{\prime} \mathrm{W}$ to $57^{\circ} 40^{\prime} \mathrm{N} / 57^{\circ} 00^{\prime} \mathrm{W}$ to $58^{\circ} 30^{\prime} \mathrm{N} / 57^{\circ} 00^{\prime} \mathrm{W}$ to $58^{\circ} 30^{\prime} \mathrm{N} / 59^{\circ} 00^{\prime} \mathrm{W}$ to $57^{\circ} 40^{\prime} \mathrm{N} / 59^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

Area 2GG is the remainder of Division 2G not included in the unit area description.

$$
-1 /-
$$

DIVISION 2 H
starts $\quad 55^{\circ} 20^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ to $55^{\circ} 20^{\prime} \mathrm{N} / 47^{\circ} 35^{\prime} \mathrm{W}$ to $57^{\circ} 40^{\prime} \mathrm{N} / 52^{\circ} 05^{\prime} \mathrm{W}$ to $57^{\circ} 40^{\prime} \mathrm{N} / 61^{\circ} 40^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 2HA
starts $\quad 56^{\circ} 30^{\prime} \mathrm{N} / 67^{\circ} 15^{\prime} \mathrm{W}$ to $56^{\circ} 30^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ to $57^{\circ} 40^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ to $57^{\circ} 40^{\prime} \mathrm{N} / 61^{\circ} 40^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 2HB
starts $\quad 56^{\circ} 30^{\prime} \mathrm{N} / 60^{\circ} 00$ ' W to $56^{\circ} 30^{\prime} \mathrm{N} / 58^{\circ} 00^{\prime} \mathrm{W}$ to $57^{\circ} 40^{\prime} \mathrm{N} / 58^{\circ} 00^{\prime} \mathrm{W}$ to $57^{\circ} 40^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ to $56^{\circ} 30^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

UNIT AREA $2 H C$
starts $\quad 56^{\circ} 30^{\prime} \mathrm{N} / 58^{\circ} 00^{\prime} \mathrm{W}$ to $56^{\circ} 30^{\prime} \mathrm{N} / 56^{\circ} 00^{\prime} \mathrm{W}$ to $57^{\circ} 40^{\prime} \mathrm{W} / 56^{\circ} 00^{\prime} \mathrm{W}$ to $57^{\circ} 40^{\prime} \mathrm{N} / 58^{\circ} 00^{\prime} \mathrm{W}$ to $56^{\circ} 30^{\prime} \mathrm{W} / 58^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

## UNIT AREA 2HD

starts $\quad 55^{\circ} 20^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ to $55^{\circ} 20^{\prime} \mathrm{N} / 59^{\circ} 00^{\prime} \mathrm{W}$ to $56^{\circ} 30^{\prime} \mathrm{N} / 59^{\circ} 00^{\prime} \mathrm{W}$ to $56^{\circ} 30^{\prime} \mathrm{N} / 61^{\circ} 15^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 2HE
starts $\quad 55^{\circ} 20^{\prime} \mathrm{N} / 59^{\circ} 00^{\prime} \mathrm{W}$ to $55^{\circ} 20^{\prime} \mathrm{N} / 57^{\circ} 00^{\prime} \mathrm{W}$ to $56^{\circ} 30^{\prime} N / 57^{\circ} 00^{\prime} W$ to $56^{\circ} 30^{\prime} N / 59^{\circ} 00^{\prime} W$ to $55^{\circ} 20^{\prime} \mathrm{N} / 59^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

$$
-12-
$$

UNIT AREA 2 HF
starts $\quad 55^{\circ} 20^{\prime} \mathrm{N} / 57^{\circ} 00^{\prime} \mathrm{W}$ to $55^{\circ} 20^{\prime} \mathrm{N} / 55^{\circ} 00^{\prime} \mathrm{W}$ to $56^{\circ} 30^{\prime} \mathrm{N} / 55^{\circ} 00^{\prime} \mathrm{W}$ to $56^{\circ} 30^{\prime} \mathrm{N} / 57^{\circ} 00^{\prime} \mathrm{W}$ to $55^{\circ} 20^{\prime} \mathrm{N} / 57^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

Area 2 HH is the remainder of Division 2 H not included in the unit area description.

DIVISION 2J
starts $\quad 52^{\circ} 15^{\prime} \mathrm{N} / 55^{\circ} 40^{\prime} \mathrm{W}$ to $52^{\circ} 15^{\prime} \mathrm{N} / 42^{\circ} 00^{\prime} \mathrm{W}$ to $55^{\circ} 20^{\prime} \mathrm{N} / 47^{\circ} 35^{\prime} \mathrm{W}$ to $55^{\circ} 20^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

## UNIT AREA 2JA

starts $\quad 54^{\circ} 30^{\prime} \mathrm{N} / 57^{\circ} 10^{\prime} \mathrm{W}$ to $54^{\circ} 30^{\prime} \mathrm{N} / 56^{\circ} 30^{\prime} \mathrm{W}$ to $55^{\circ} 20^{\prime} \mathrm{N} / 59^{\circ} 00^{\prime} \mathrm{W}$ to $55^{\circ} 20^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 2JB
starts $\quad 54^{\circ} 30^{\prime} \mathrm{N} / 56^{\circ} 30^{\prime} \mathrm{W}$ to $54^{\circ} 30^{\prime} \mathrm{N} / 55^{\circ} 00^{\prime} \mathrm{W}$ to $55^{\circ} 20^{\prime} \mathrm{N} / 55^{\circ} 00^{\prime} \mathrm{W}$ to $55^{\circ} 20^{\prime} \mathrm{N} / 59^{\circ} 00^{\prime} \mathrm{W}$ to $54^{\circ} 30^{\prime} N / 56^{\circ} 30^{\prime} W$ ENDAT

UNIT AREA 2JC
starts $\quad 54^{\circ} 30^{\prime} \mathrm{N} / 55^{\circ} 00^{\prime} \mathrm{W}$ to $54^{\circ} 30^{\prime} \mathrm{N} / 52^{\circ} 00^{\prime} \mathrm{W}$ to $55^{\circ} 20^{\prime} \mathrm{N} / 52^{\circ} 00^{\prime} \mathrm{W}$ to $55^{\circ} 20^{\prime} \mathrm{N} / 55^{\circ} 00$ ' W to $54^{\circ} 30^{\prime} \mathrm{N} / 55^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 2JD

| starts | $53^{\circ} 42^{\prime} \mathrm{N} / 56^{\circ} 30 ' \mathrm{~W}$ to $53^{\circ} 35^{\prime} \mathrm{N} / 55^{\circ} 30^{\prime} \mathrm{W}$ to |
| :--- | :--- |
|  | $54^{\mathrm{O}} 30^{\prime} \mathrm{N} / 56^{\circ} 30^{\prime} \mathrm{W}$ to $54^{\circ} 30^{\prime} \mathrm{N} / 57^{\circ} 10^{\prime} \mathrm{W}$ ENDAT |

UNIT AREA 2JE
starts $\quad 53^{\circ} 35^{\prime} \mathrm{N} / 55^{\circ} 30^{\prime} \mathrm{W}$ to $53^{\circ} 15^{\prime} \mathrm{N} / 54^{\circ} 00^{\prime} \mathrm{W}$ to
$54^{\circ} 30^{\prime} \mathrm{N} / 54^{\circ} 00^{\prime} \mathrm{W}$ to $54^{\circ} 30^{\prime} \mathrm{N} / 56^{\circ} 30^{\prime} \mathrm{W}$ to
$53^{\circ} 35^{\prime} \mathrm{N} / 55^{\circ} 30^{\prime} \mathrm{W}$ ENDAT

- 14 -

UNIT AREA 2JF
starts $\quad 53^{\circ} 15^{\prime} \mathrm{N} / 54^{\circ} 00^{\prime} \mathrm{W}$ to $53^{\circ} 15^{\prime} \mathrm{N} / 52^{\circ} 00^{\prime} \mathrm{W}$ to $54^{\circ} 30^{\prime} \mathrm{N} / 52^{\mathrm{O}} 00^{\prime} \mathrm{W}$ to $54^{\circ} 30^{\prime} \mathrm{N} / 54^{\circ} 00^{\prime} \mathrm{W}$ to $53^{\circ} 15^{\prime} \mathrm{N} / 54^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 2JG
starts $\quad 53^{\circ} 15^{\prime} \mathrm{N} / 52^{\circ} 00^{\prime} \mathrm{W}$ to $53^{\circ} 15^{\prime} \mathrm{N} / 50^{\circ} 00^{\prime} \mathrm{W}$ to $54^{\circ} 30^{\prime} \mathrm{N} / 50^{\circ} 00^{\prime} \mathrm{W}$ to $54^{\circ} 30^{\prime} \mathrm{N} / 52^{\circ} 00^{\prime} \mathrm{W}$ to $53^{\circ} 15^{\prime} \mathrm{N} / 52^{\circ} 00^{\prime}$ W ENDAT

UNIT AREA 2JM
starts $\quad 52^{\circ} 155^{\prime} \mathrm{N} / 55^{\circ} 40^{\prime} \mathrm{W}$ to $52^{\circ} 15^{\prime} \mathrm{N} / 55^{\circ} 30^{\prime} \mathrm{W}$ to $53^{\circ} 35^{\prime} \mathrm{N} / 55^{\circ} 30^{\prime} \mathrm{W}$ to $53^{\circ} 42^{\prime} \mathrm{N} / 56^{\circ} 30^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 2 JI
starts $\quad 52^{\circ} 15^{\prime} \mathrm{N} / 55^{\circ} 30^{\prime} \mathrm{W}$ to $52^{\circ} 15^{\prime} \mathrm{N} / 54^{\circ} 00^{\prime} \mathrm{W}$ to $53^{\circ} 15^{\prime} \mathrm{N} / 54^{\mathrm{O}} 00^{\prime} \mathrm{W}$ to $53^{\circ} 35^{\prime} \mathrm{N} / 55^{\circ} 30^{\prime} \mathrm{W}$ to $52^{\circ} 15^{\prime} \mathrm{N} / 55^{\circ} 30^{\prime}$ W ENDAT

UNIT AREA $2 J N$
starts $\quad 52^{\circ} 15^{\prime} \mathrm{N} / 54^{\circ} 00^{\prime} \mathrm{W}$ to $52^{\circ} 15^{\prime} \mathrm{N} / 52^{\circ} 00^{\prime} \mathrm{W}$ to $53^{\circ} 15^{\prime} \mathrm{N} / 52^{\circ} 00^{\prime} \mathrm{W}$ to $53^{\circ} 15^{\prime} \mathrm{N} / 54^{\circ} 00^{\prime} \mathrm{W}$ to $52^{\circ} 15^{\prime} \mathrm{N} / 54^{\circ} 00^{\prime}$ W ENDAT
$-15-$
UNIT AREA 2JL
starts $\quad 52^{\circ} 15^{\prime} \mathrm{N} / 52^{\circ} 00^{\prime} \mathrm{W}$ to $52^{\circ} 15^{\prime} \mathrm{N} / 50^{\circ} 00^{\prime} \mathrm{W}$ to $53^{\circ} 15^{\prime} \mathrm{N} / 50^{\circ} 00^{\prime} \mathrm{W}$ to $53^{\circ} 15^{\prime} \mathrm{N} / 52^{\circ} 00^{\prime} \mathrm{W}$ to $52^{\circ} 15^{\prime} \mathrm{N} / 52^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

Area $2 J J$ is the remainder of Division $2 J$ not included in the unit area description.

DIVISION 3 K
starts $\quad 49^{\circ} 15^{\prime} \mathrm{N} / 53^{\circ} 28^{\prime} \mathrm{W}$ to $49^{\circ} 15^{\prime} \mathrm{N} / 42^{\circ} 00^{\prime} \mathrm{W}$ to $52^{\circ} 15^{\prime} \mathrm{N} / 42^{\circ} 00^{\prime} \mathrm{W}$ to $52^{\circ} 15^{\prime} \mathrm{N} / 55^{\circ} 25^{\prime} \mathrm{W}$ to $51^{\circ} 35^{\prime} \mathrm{N} / 55^{\circ} 25^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 3 KA
starts $\quad 51^{\circ} 23^{\prime} \mathrm{N} / 55^{\circ} 34^{\prime} \mathrm{W}$ to $50^{\circ} 20^{\prime} \mathrm{N} / 54^{\circ} 00^{\prime} \mathrm{W}$ to $52^{\circ} 15^{\prime} \mathrm{N} / 54^{\mathrm{O}} 00^{\prime} \mathrm{W}$ to $52^{\circ} 15^{\prime} \mathrm{N} / 55^{\circ} 25^{\prime} \mathrm{W}$ to $51^{\circ} 35^{\prime} \mathrm{N} / 55^{\circ} 25^{\prime}$ W ENDAT

UNIT AREA 3KB
starts $\quad 51^{\circ} 00^{\prime} \mathrm{N} / 54^{\circ} 00^{\prime} \mathrm{W}$ to $51^{\circ} 00^{\prime} \mathrm{N} / 52^{\circ} 00^{\prime} \mathrm{W}$ to $52^{\circ} 15^{\prime} \mathrm{N} / 52^{\circ} 00$ ' W to $52^{\circ} 15^{\prime} \mathrm{N} / 54^{\circ} 00^{\prime} \mathrm{W}$ to $51^{\circ} 00^{\prime} \mathrm{N} / 54^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 3KC
starts $\quad 51^{\circ} 00^{\prime} \mathrm{N} / 52^{\circ} 00^{\prime} \mathrm{W}$ to $51^{\circ} 00^{\prime} \mathrm{N} / 49^{\circ} 00^{\prime} \mathrm{W}$ to $52^{\circ} 15^{\prime} \mathrm{N} / 49^{\circ} 00$ ' W to $52^{\circ} 15^{\prime} \mathrm{N} / 52^{\circ} 00$ ' W to $51^{\circ} 00$ ' $/ 52^{\circ} 00^{\prime}$ W ENDAT

UNIT AREA 3KD
starts $\quad 50^{\circ} 12^{\prime} \mathrm{N} / 56^{\circ} 10^{\prime} \mathrm{W}$ to $50^{\circ} 18^{\prime} \mathrm{N} / 56^{\circ} 00^{\prime} \mathrm{W}$ to $50^{\circ} 20^{\prime} \mathrm{N} / 54^{\circ} 00^{\prime} \mathrm{W}$ to $51^{\circ} 23^{\prime} \mathrm{N} / 55^{\circ} 34^{\prime} \mathrm{W}$ ENDAT

## UNIT AREA 3KE

starts $\quad 50^{\circ} 20^{\prime} \mathrm{N} / 54^{\circ} 00^{\prime} \mathrm{W}$ to $50^{\circ} 00^{\prime} \mathrm{N} / 52^{\circ} 30^{\prime} \mathrm{W}$ to $51^{\circ} 00^{\prime} \mathrm{N} / 52^{\circ} 30^{\prime} \mathrm{W}$ to $51^{\circ} 00{ }^{\prime} \mathrm{N} / 54^{\circ} 00^{\prime} \mathrm{W}$ to $50^{\circ} 20^{\prime} \mathrm{N} / 54^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

$$
-17-
$$

UNIT AREA 3KF
starts $\quad 49^{\circ} 15^{\prime} \mathrm{N} / 52^{\circ} 30^{\prime} \mathrm{W}$ to $49^{\circ} 15^{\prime} \mathrm{N} / 51^{\circ} 00^{\prime} \mathrm{W}$ to $51^{\circ} 00^{\prime} N / 51^{\circ} 00^{\prime} W^{\prime}$ to $51^{\circ} 00 \cdot N / 52^{\circ} 30^{\prime} W$ to $49^{\circ} 15^{\prime} \mathrm{N} / 52^{\circ} 30^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 3 KG
starts $\quad 49^{\circ} 15^{\prime} \mathrm{N} / 51^{\circ} 00^{\prime} \mathrm{W}$ to $49^{\circ} 15^{\prime} \mathrm{N} / 48^{\circ} 00^{\prime} \mathrm{W}$ to $51^{\circ} 00^{\prime} \mathrm{N} / 48^{\circ} 00^{\prime} \mathrm{W}$ to $51^{\circ} 00^{\prime} \mathrm{N} / 51^{\circ} 00{ }^{\prime} \mathrm{W}$ to $49^{\circ} 15^{\prime} \mathrm{N} / 51^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 3KH
starts $\quad 49^{\circ} 34^{\prime} \mathrm{N} / 55^{\circ} 20^{\prime} \mathrm{W}$ to $50^{\circ} 20^{\prime} \mathrm{N} / 54^{\circ} 00^{\prime} \mathrm{W}$ to $50^{\circ} 18^{\prime} \mathrm{N} / 56^{\circ} 00^{\prime} \mathrm{W}$ to $50^{\circ} 12^{\prime} \mathrm{N} / 56^{\circ} 10^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 3 KI
starts $\quad 49^{\circ} 15^{\prime} \mathrm{N} / 53^{\circ} 28^{\prime} \mathrm{W}$ to $49^{\circ} 15^{\prime} \mathrm{N} / 52^{\circ} 30^{\prime} \mathrm{W}$ to $50^{\circ} 00^{\prime} \mathrm{N} / 52^{\circ} 30^{\prime} \mathrm{W}$ to $50^{\circ} 20^{\prime} \mathrm{N} / 54^{\circ} 00^{\prime} \mathrm{W}$ to $49^{\circ} 34^{\prime} \mathrm{N} / 55^{\circ} 20^{\prime} \mathrm{W}$ ENDAT

Area 3 KK is the remainder of Division 3 K not included in the unit area description.

$$
-18-
$$

DIVISION 3L
starts $\quad 46^{\circ} 50^{\prime} \mathrm{N} / 54^{\circ} 10^{\prime} \mathrm{W}$ to $46^{\circ} 00^{\prime} \mathrm{N} / 54^{\circ} 30^{\prime} \mathrm{W}$ to $46^{\circ} 00^{\prime} \mathrm{N} / 46^{\circ} 30^{\prime} \mathrm{W}$ to $49^{\circ} 15^{\prime} \mathrm{N} / 46^{\circ} 30^{\prime} \mathrm{W}$ to $49^{\circ} 15^{\prime} \mathrm{N} / 53^{\circ} 28^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 3LA
starts $\quad 48^{\circ} 40^{\prime} N / 53^{\circ} 06^{\prime} W$ to $49^{\circ} 15 N / 52^{\circ} 30^{\prime} W$ to $49^{\circ} 15^{\prime} \mathrm{N} / 53^{\circ} 28^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 3LB
starts $\quad 48^{\circ} 10^{\prime} \mathrm{N} / 52^{\circ} 55^{\prime} \mathrm{W}$ to $48^{\circ} 30^{\prime} \mathrm{N} / 52^{\circ} 30^{\prime} \mathrm{W}$ to $49^{\circ} 15^{\prime} \mathrm{N} / 52^{\circ} 30^{\prime} \mathrm{W}$ to $48^{\circ} 40^{\prime} \mathrm{N} / 53^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

## UNIT AREA 3LC

starts $\quad 48^{\circ} 00^{\prime} \mathrm{N} / 52^{\circ} 30^{\prime} \mathrm{W}$ to $48^{\circ} 00^{\prime} \mathrm{N} / 51^{\circ} 00^{\prime} \mathrm{W}$ to $49^{\circ} 15^{\prime} \mathrm{N} / 51^{\circ} 00$ ' W to $49^{\circ} 15^{\prime} \mathrm{N} / 52^{\circ} 30^{\prime} \mathrm{W}$ to $48^{\circ} 00^{\prime} \mathrm{N} / 52^{\circ} 30^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 3LD
starts $\quad 48^{\circ} 00^{\prime} \mathrm{N} / 51^{\circ} 00^{\prime} \mathrm{W}$ to $48^{\circ} 00^{\prime} \mathrm{N} / 49^{\circ} 00^{\prime} \mathrm{W}$ to $49^{\circ} 15^{\prime} \mathrm{N} / 49^{\circ} 00^{\prime} \mathrm{W}$ to $49^{\circ} 15^{\prime} \mathrm{N} / 51^{\circ} 00^{\prime} \mathrm{W}$ to $48^{\circ} 00^{\prime} N / 51^{\circ} 00^{\prime} W$ ENDAT

UNIT AREA 3LE
starts $\quad 48^{\circ} 00^{\prime} \mathrm{N} / 49^{\circ} 00^{\prime} \mathrm{W}$ to $48^{\circ} 00^{\prime} \mathrm{N} / 46^{\circ} 30^{\prime} \mathrm{W}$ to $49^{\circ} 15^{\prime} \mathrm{N} / 46^{\circ} 30^{\prime} \mathrm{W}$ to $49^{\circ} 15^{\prime} \mathrm{N} / 49^{\circ} 00^{\prime} \mathrm{W}$ to $48^{\circ} 00^{\prime} \mathrm{N} / 49^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 3LF

- 19-

$$
\begin{array}{ll}
\text { starts } & 47^{\circ} 48^{\prime} \mathrm{N} / 52^{\circ} 48^{\prime} \mathrm{W} \text { to } 47^{\circ} 50^{\prime} \mathrm{N} / 52^{\circ} 30^{\prime} \mathrm{W} \text { to } \\
& 48^{\circ} 30^{\prime} \mathrm{N} / 52^{\circ} 30^{\prime} \mathrm{W} \text { to } 48^{\circ} 10^{\prime} \mathrm{N} / 52^{\circ} 55^{\prime} \mathrm{W} \text { ENDAT }
\end{array}
$$

UNIT AREA 3LG
starts $\quad 47^{\circ} 00^{\prime} N / 52^{\circ} 30^{\prime} W$ to $47^{\circ} 00^{\prime} N / 51^{\circ} 00^{\prime} W$ to $48^{\circ} 00^{\prime} \mathrm{N} / 51^{\circ} 00^{\prime} \mathrm{W}$ to $48^{\circ} 00^{\prime} \mathrm{N} / 52^{\circ} 30^{\prime} \mathrm{W}$ to $47^{\circ} 00^{\prime} \mathrm{N} / 52^{\circ} 30^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 3LH
starts $\quad 47^{\circ} 00^{\prime} \mathrm{N} / 51^{\circ} 00{ }^{\prime} \mathrm{W}$ to $47^{\circ} 00^{\prime} \mathrm{N} / 49^{\circ} 00^{\prime} \mathrm{W}$ to $48^{\circ} 00^{\prime} \mathrm{N} / 49^{\circ} 00^{\prime} \mathrm{W}$ to $48^{\circ} 00^{\prime} \mathrm{N} / 51^{\circ} 00^{\prime} \mathrm{W}$ to $47^{\circ} 00^{\prime} \mathrm{N} / 51^{\circ} 00^{\prime}$ W ENDAT

UNIT AREA 3LI
starts $\quad 47^{\circ} 00^{\prime} \mathrm{N} / 49^{\circ} 00^{\prime} \mathrm{W}$ to $47^{\circ} 00^{\prime} \mathrm{N} / 46^{\circ} 30^{\prime} \mathrm{W}$ to $48^{\circ} 00^{\prime} \mathrm{N} / 46^{\circ} 30^{\prime} \mathrm{W}$ to $48^{\circ} 00^{\prime} \mathrm{N} / 49^{\circ} 00^{\prime} \mathrm{W}$ to $47^{\circ} 00^{\prime} \mathrm{N} / 49^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 3LJ
starts $\quad 46^{\circ} 39^{\prime} \mathrm{N} / 53^{\circ} 04^{\prime} \mathrm{W}$ to $46^{\circ} 30^{\prime} \mathrm{N} / 52^{\circ} 30^{\prime} \mathrm{W}$ to $47^{\circ} 50^{\prime} \mathrm{N} / 52^{\circ} 30^{\prime} \mathrm{W}$ to $47^{\circ} 48^{\prime} \mathrm{N} / 52^{\circ} 48^{\prime} \mathrm{W}$ ENDAT

$$
-20-
$$

UNIT AREA 3LS
starts $\quad 46^{\circ} 00^{\prime} \mathrm{N} / 52^{\circ} 30^{\prime} \mathrm{W}$ to $46^{\circ} 00^{\prime} \mathrm{N} / 51^{\circ} 00{ }^{\prime} \mathrm{W}$ to $47^{\circ} 00^{\prime} \mathrm{N} / 51^{\circ} 00^{\prime} \mathrm{W}$ to $47^{\circ} 00^{\prime} \mathrm{N} / 52^{\circ} 30^{\prime} \mathrm{W}$ to $46^{\circ} 00^{\prime} \mathrm{N} / 52^{\circ} 30^{\prime} \mathrm{W}$ ENDAT

## UNIT AREA 3LR

starts $\quad 46^{\circ} 00^{\prime} \mathrm{N} / 51^{\circ} 00$ ' W to $46^{\circ} 00^{\prime} \mathrm{N} / 49^{\circ} 00$ ' W to $47^{\circ} 00^{\prime} \mathrm{N} / 49^{\circ} 00^{\prime} \mathrm{W}$ to $47^{\circ} 00^{\prime} \mathrm{N} / 57^{\circ} 00^{\prime} \mathrm{W}$ to $46^{\circ} 00^{\prime} \mathrm{N} / 51^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 3LT
starts $\quad 46^{\circ} 00^{\prime} \mathrm{N} / 49^{\circ} 00^{\prime} \mathrm{W}$ to $46^{\circ} 00^{\prime} \mathrm{N} / 46^{\circ} 30^{\prime} \mathrm{W}$ to $47^{\circ} 00^{\prime} \mathrm{N} / 46^{\circ} 30^{\prime} \mathrm{W}$ to $47^{\circ} 00^{\prime} \mathrm{N} / 49^{\circ} 00^{\prime} \mathrm{W}$ to $46^{\circ} 00^{\prime} \mathrm{N} / 49^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 3LQ
starts $\quad 46^{\circ} 50^{\prime} \mathrm{N} / 54^{\circ} 10^{\prime} \mathrm{W}$ to $46^{\circ} 00^{\prime} \mathrm{N} / 54^{\circ} 30^{\prime} \mathrm{W}$ to $46^{\circ} 00^{\prime} \mathrm{N} / 52^{\circ} 30^{\prime} \mathrm{W}$ to $46^{\circ} 30^{\prime} \mathrm{N} / 52^{\circ} 30^{\prime} \mathrm{W}$ to $46^{\circ} 39^{\prime} \mathrm{N} / 53^{\circ} 04^{\prime} \mathrm{W}$ ENDAT

DIVISION 3 M

$$
-21-
$$

starts

$$
\begin{aligned}
& 49^{\circ} 15^{\prime} \mathrm{N} / 46^{\circ} 30^{\prime} \mathrm{W} \text { to } 39^{\circ} 00^{\prime} \mathrm{N} / 46^{\circ} 30^{\prime} \mathrm{W} \text { to } \\
& 39^{\circ} 00^{\prime} \mathrm{N} / 42^{\circ} 00^{\prime} \mathrm{W} \text { to } 49^{\circ} 15^{\prime} \mathrm{N} / 42^{\circ} 00 \text { ' } \mathrm{W} \text { to } \\
& 49^{\circ} 15^{\prime} \mathrm{N} / 46^{\circ} 30^{\prime} \mathrm{W} \text { ENDAT }
\end{aligned}
$$

## UNIT AREA 3MA

starts $\quad 47^{\circ} 00^{\prime} \mathrm{N} / 46^{\circ} 30^{\prime} \mathrm{W}$ to $47^{\circ} 00^{\prime} \mathrm{N} / 45^{\circ} 00^{\prime} \mathrm{W}$ to $49^{\circ} 15^{\prime} \mathrm{N} / 45^{\circ} 00^{\prime} \mathrm{W}$ to $49^{\circ} 15^{\prime} \mathrm{N} / 46^{\circ} 30^{\prime} \mathrm{W}$ to $47^{\circ} 00^{\prime} \mathrm{N} / 46^{\circ} 30^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 3MB

| starts | $47^{\circ} 00^{\prime} \mathrm{N} / 45^{\circ} 00^{\prime} \mathrm{W}$ to $47^{\circ} 00^{\prime} \mathrm{N} / 42^{\circ} 00^{\prime} \mathrm{W}$ to |
| :--- | :--- |
|  | $49^{\circ} 15^{\prime} \mathrm{N} / 42^{\circ} 00^{\prime} \mathrm{W}$ to $49^{\circ} 15^{\prime} \mathrm{N} / 45^{\circ} 00^{\prime} \mathrm{W}$ to |
|  | $47^{\circ} 00^{\prime} \mathrm{N} / 45^{\circ} 00^{\prime} \mathrm{W}$ ENDAT |

UNIT AREA 3MC
starts $\quad 45^{\circ} 00^{\prime} \mathrm{N} / 46^{\circ} 30^{\prime} \mathrm{W}$ to $45^{\circ} 00^{\prime} \mathrm{N} / 45^{\circ} 00^{\prime} \mathrm{W}$ to $47^{\circ} 00^{\prime} \mathrm{N} / 45^{\circ} 00$ ' W to $47^{\circ} 00^{\prime} \mathrm{N} / 46^{\circ} 30^{\prime} \mathrm{W}$ to $45^{\circ} 00^{\prime} \mathrm{N} / 46^{\circ} 30^{\prime} W$ ENDAT

UNIT AREA 3MD
starts $\quad 45^{\circ} 00^{\prime} \mathrm{N} / 45^{\circ} 00^{\prime} \mathrm{W}$ to $45^{\circ} 00^{\prime} \mathrm{N} / 42^{\circ} 00^{\prime} \mathrm{W}$ to $47^{\circ} 00^{\prime} \mathrm{N} / 42^{\circ} 00^{\prime} \mathrm{W}$ to $47^{\circ} 00{ }^{\prime} \mathrm{N} / 45^{\circ} 00^{\prime} \mathrm{W}$ to $45^{\circ} 00^{\prime} \mathrm{N} / 45^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

Area $3 M M$ is the remainder of Division $3 M$ not included in the unit area description.

DIVISION 3N
starts
$40^{\circ} 03^{\prime} \mathrm{N} / 51^{\circ} 00^{\prime} \mathrm{W}$ to $39^{\circ} 00^{\prime} \mathrm{N} / 50^{\circ} 00^{\prime} \mathrm{W}$ to
$39^{\circ} 00^{\prime} \mathrm{N} / 46^{\circ} 30^{\prime} \mathrm{W}$ to $46^{\circ} 00^{\prime} \mathrm{N} / 40^{\circ} 03^{\prime} \mathrm{N} / 51^{\circ} 00^{\prime} \mathrm{W}$ to
$40^{\circ} 03^{\prime} \mathrm{N} / 51^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 3NA
starts $\quad 45^{\circ} 00^{\prime} N / 51^{\circ} 00$ ' $W$ to $45^{\circ} 00^{\prime} N / 49^{\circ} 00^{\prime} W$ to $46^{\circ} 00^{\prime} \mathrm{N} / 49^{\circ} 00^{\prime} \mathrm{W}$ to $46^{\circ} 00^{\prime} \mathrm{N} / 51^{\circ} 00^{\prime} \mathrm{W}$ to $45^{\circ} 00^{\prime} \mathrm{N} / 51^{\circ} 00^{\prime}$ W ENDAT

UNIT AREA 3NB

$$
\begin{array}{ll}
\text { starts } & 45^{\circ} 00^{\prime} \mathrm{N} / 49^{\circ} 00^{\prime} \mathrm{W} \text { to } 45^{\circ} 00^{\prime} \mathrm{N} / 46^{\circ} 30^{\prime} \mathrm{W} \text { to } \\
& 46^{\circ} 00^{\prime} \mathrm{N} / 46^{\circ} 30^{\prime} \mathrm{W} \text { to } 46^{\circ} 00^{\prime} \mathrm{N} / 49^{\circ} 00 ' \mathrm{~W} \text { to } \\
& 45^{\circ} 00^{\prime} \mathrm{N} / 49^{\circ} 00^{\prime} \mathrm{W} \text { ENDAT }
\end{array}
$$

UNIT AREA 3NC
starts $\quad 43^{\circ} 30^{\prime} \mathrm{N} / 51^{\circ} 00^{\prime} \mathrm{W}$ to $43^{\circ} 30^{\prime} \mathrm{N} / 49^{\circ} 30^{\prime} \mathrm{W}$ to $45^{\circ} 00^{\prime} \mathrm{N} / 49^{\circ} 30^{\prime} \mathrm{W}$ to $45^{\circ} 00^{\prime} \mathrm{N} / 51^{\circ} 00^{\prime} \mathrm{W}$ to $43^{\circ} 30^{\prime} \mathrm{N} / 51^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 3ND

$$
\begin{array}{ll}
\text { starts } & 43^{\circ} 30^{\prime} \mathrm{N} / 49^{\circ} 30^{\prime} \mathrm{W} \text { to } 43^{\circ} 30^{\prime} \mathrm{N} / 46^{\circ} 30^{\prime} \mathrm{W} \text { to } \\
& 45^{\circ} 00^{\prime} \mathrm{N} / 46^{\circ} 30^{\prime} \mathrm{W} \text { to } 45^{\circ} 00^{\prime} \mathrm{N} / 49^{\circ} 30^{\prime} \mathrm{W} \text { to } \\
& 43^{\circ} 30^{\prime} \mathrm{N} / 49^{\circ} 30^{\prime} \mathrm{W} \text { ENDAT }
\end{array}
$$

UNIT AREA ONE
starts $\quad 42^{\circ} 00^{\prime} \mathrm{N} / 51^{\circ} 00^{\prime} \mathrm{W}$ to $42^{\circ} 00^{\prime} \mathrm{N} / 50^{\circ} 00{ }^{\prime} \mathrm{W}$ to $43^{\circ} 30^{\prime} \mathrm{N} / 50^{\circ} 00$ ' W to $43^{\circ} 30^{\prime} \mathrm{N} / 51^{\circ} 00^{\prime} \mathrm{W}$ to $42^{\circ} 00^{\prime} \mathrm{N} / 51^{\circ} 00$ ' W ENDAT

UNIT AREA iNF
starts $\quad 42^{\circ} 00^{\prime} \mathrm{N} / 50^{\circ} 00^{\prime} \mathrm{W}$ to $42^{\circ} 00^{\prime} \mathrm{N} / 46^{\circ} 30^{\prime} \mathrm{W}$ to $43^{\circ} 30^{\prime} \mathrm{N} / 46^{\circ} 30^{\prime} \mathrm{W}$ to $43^{\circ} 30^{\prime} \mathrm{N} / 50^{\circ} 00^{\prime} \mathrm{W}$ to $42^{\circ} 00^{\prime} \mathrm{N} / 50^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

Area $3 N N$ is the remainder of Division $3 N$ not included in the unit area description.

DIVISION 30
starts $\quad 43^{\circ} 11^{\prime} \mathrm{N} / 54^{\circ} 30^{\prime} \mathrm{W}$ to $40^{\circ} 03^{\prime} \mathrm{N} / 51^{\circ} 00{ }^{\prime} \mathrm{W}$ to $46^{\circ} 00^{\prime} \mathrm{N} / 51^{\circ} 00^{\prime} \mathrm{W}$ to $46^{\circ} 00^{\prime} \mathrm{N} / 54^{\circ} 30^{\prime} \mathrm{W}$ to $43^{\circ} 11^{\prime} \mathrm{N} / 54^{\circ} 30^{\prime} \mathrm{N}$ ENDAT

UNIT AREA 30A
starts $\quad 45^{\circ} 00^{\prime} \mathrm{N} / 54^{\circ} 30^{\prime} \mathrm{W}$ to $45^{\circ} 00^{\prime} \mathrm{N} / 53^{\circ} 00^{\prime} \mathrm{W}$ to $46^{\circ} 00^{\prime} \mathrm{N} / 53^{\circ} 00^{\prime} \mathrm{W}$ to $46^{\circ} 00^{\prime} \mathrm{N} / 54^{\circ} 30^{\prime} \mathrm{W}$ to $45^{\circ} 00^{\prime} \mathrm{N} / 54^{\circ} 30^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 30B
starts

$$
\begin{aligned}
& 45^{\circ} 00^{\prime} \mathrm{N} / 53^{\circ} 00^{\prime} \mathrm{W} \text { to } 45^{\circ} 00^{\prime} \mathrm{N} / 57^{\circ} 00^{\prime} \mathrm{W} \text { to } \\
& 46^{\circ} 00^{\prime} \mathrm{N} / 57^{\circ} 00^{\prime} \mathrm{W} \text { to } 46^{\circ} 00^{\prime} \mathrm{N} / 53^{\circ} 00^{\prime} \mathrm{W} \text { to } \\
& 45^{\circ} 00^{\prime} \mathrm{N} / 53^{\circ} 00^{\prime} \mathrm{W} \text { ENDAT }
\end{aligned}
$$

UNIT AREA 30 C
starts $\quad 43^{\circ} 11^{\prime} \mathrm{N} / 54^{\circ} 30^{\prime} \mathrm{W}$ to $41^{\circ} 54^{\prime} \mathrm{N} / 53^{\circ} 00^{\prime} \mathrm{W}$ to $45^{\circ} 00^{\prime} \mathrm{N} / 53^{\circ} 00^{\prime} \mathrm{W}$ to $45^{\circ} 00^{\prime} \mathrm{N} / 54^{\circ} 30^{\prime} \mathrm{W}$ to $43^{\circ} 11^{\prime} \mathrm{N} / 54^{\circ} 30^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 30D
starts $\quad 44^{\circ} 00^{\prime} N / 53^{\circ} 00^{\prime} W$ to $44^{\circ} 00^{\prime} N / 51^{\circ} 00$ ' $W$ to $45^{\circ} 00^{\prime} \mathrm{N} / 51^{\circ} 00^{\prime} \mathrm{W}$ to $45^{\circ} 00^{\prime} \mathrm{N} / 53^{\circ} 00^{\prime} \mathrm{W}$ to $44^{\circ} 00^{\prime} \mathrm{N} / 53^{\circ} 00^{\prime}$ W ENDAT

$$
-25-
$$

UNIT AREA 30E
starts $\quad 42^{\circ} 00^{\prime} \mathrm{N} / 53^{\circ} 00^{\prime} \mathrm{W}$ to $42^{\circ} 00^{\prime} \mathrm{N} / 51^{\circ} 00{ }^{\prime} \mathrm{W}$ to $44^{\circ} 00^{\prime} \mathrm{N} / 51^{\circ} 00{ }^{\prime} \mathrm{W}$ to $44^{\circ} 00^{\prime} \mathrm{N} / 53^{\circ} 00^{\prime} \mathrm{W}$ to $42^{\circ} 00^{\prime} \mathrm{N} / 53^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 30F
starts
$40^{\circ} 033^{\prime} \mathrm{N} / 51^{\circ} 00^{\prime} \mathrm{W}$ to $42^{\circ} 00^{\prime} \mathrm{N} / 51^{\circ} 00^{\prime} \mathrm{W}$ to $42^{\circ} 00^{\prime} \mathrm{N} / 53^{\circ} 00^{\prime} \mathrm{W}$ to $41^{\circ} 54^{\prime} \mathrm{N} / 53^{\circ} 00^{\prime} \mathrm{W}$ to $40^{\circ} 03^{\prime} \mathrm{N} / 51^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

$$
-26-
$$

DIVISION 3P
starts $\quad 47^{\circ} 43 N / 59^{\circ} 18^{\prime} W$ to $47^{\circ} 30^{\prime} N / 59^{\circ} 35^{\prime} W$ to $43^{\circ} 11^{\prime} \mathrm{N} / 54^{\circ} 30^{\prime} \mathrm{W}$ to $46^{0} 00^{\prime} \mathrm{N} / 54^{\circ} 30^{\prime} \mathrm{W}$ to $46^{\circ} 50^{\prime} \mathrm{N} / 54^{\circ} 10^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 3PN
starts $\quad 47^{\circ} 43^{\prime} N / 59^{\circ} 18^{\prime} W$ to $47^{\circ} 30^{\prime} N / 59^{\circ} 35^{\prime} W$ to $46^{\circ} 53^{\prime} \mathrm{N} / 58^{\circ} 45^{\prime} \mathrm{W}$ to $47^{\circ} 39^{\prime} \mathrm{N} / 57^{\circ} 30^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 3PA
starts $\quad 47^{\circ} 39^{\prime} N / 57^{\circ} 30^{\prime} W$ to $47^{\circ} 00^{\prime} N / 58^{\circ} 30^{\prime} W$ to $47^{\circ} 00^{\prime} \mathrm{N} / 57^{\circ} 00^{\prime} \mathrm{W}$ to $47^{\circ} 30^{\prime} \mathrm{N} / 56^{\circ} 11^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 3PB
starts $\quad 47^{\circ} 30^{\prime} \mathrm{N} / 56^{\circ} 111^{\prime} \mathrm{W}$ to $47^{\circ} 00^{\prime} \mathrm{N} / 57^{\circ} 00^{\prime} \mathrm{W}$ to $46^{\circ} 30^{\prime} N / 56^{\circ} 00^{\prime} W$ to $46^{\circ} 58^{\prime} N / 56^{\circ} 00^{\prime} W$ ENDAT

UNIT AREA 3PC
starts $46^{\circ} 58^{\prime} N / 56^{\circ} 00^{\prime} W$ to $46^{\circ} 30^{\prime} N / 56^{\circ} 00^{\prime} W$ to $46^{\circ} 30^{\prime} \mathrm{N} / 54^{\circ} 20^{\prime} \mathrm{W}$ to $46^{\circ} 50^{\prime} \mathrm{N} / 54^{\circ} 10^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 3PD
starts $\quad 46^{\circ} 53^{\prime} N / 58^{\circ} 45^{\prime} W$ to $46^{\circ} 00 ' N / 57^{\circ} 45^{\prime} W$ to $46^{\circ} 00^{\prime} \mathrm{N} / 57^{\circ} 00^{\prime} \mathrm{W}$ to $47^{\circ} 00^{\prime} \mathrm{N} / 57^{\circ} 00^{\prime} \mathrm{W}$ to $47^{\circ} 00^{\prime} \mathrm{N} / 58^{\circ} 30^{\prime} \mathrm{W}$ to $46^{\circ} 53^{\prime} \mathrm{N} / 58^{\circ} 45^{\prime} \mathrm{W}$ ENDAT
$-27-$
UNIT AREA 3PE
starts $\quad 46^{\circ} 00^{\prime} N / 57^{\circ} 00^{\prime} W$ to $46^{\circ} 00^{\prime} N / 56^{\circ} 00^{\prime} W$ to $46^{\circ} 30^{\prime} \mathrm{N} / 56^{\circ} 00^{\prime} \mathrm{W}$ to $47^{\circ} 00^{\prime} \mathrm{N} / 57^{\circ} 00^{\prime} \mathrm{W}$ to $46^{\circ} 00^{\prime} N / 57^{\circ} 00^{\prime} W$ ENDAT

## UNIT AREA 3PF

starts $\quad 45^{\circ} 30^{\prime} \mathrm{N} / 56^{\circ} 00^{\prime} \mathrm{W}$ to $45^{\circ} 30^{\prime} \mathrm{N} / 54^{\circ} 30^{\prime} \mathrm{W}$ to $46^{\circ} 00^{\prime} \mathrm{N} / 54^{\circ} 30^{\prime} \mathrm{W}$ to $46^{\circ} 30^{\prime} \mathrm{N} / 54^{\circ} 20^{\prime} \mathrm{W}$ to $46^{\circ} 30^{\prime} \mathrm{N} / 56^{\circ} 00^{\prime} \mathrm{W}$ to $45^{\circ} 30^{\prime} \mathrm{N} / 56^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 3PG
starts $\quad 46^{\circ} 00^{\prime} \mathrm{N} / 57^{\circ} 45^{\prime} \mathrm{W}$ to $44^{\circ} 30$ ' $\mathrm{N} / 56^{\circ} 00^{\prime} \mathrm{W}$ to $46^{\circ} 00^{\prime} \mathrm{N} / 56^{\circ} 00^{\prime} \mathrm{W}$ to $46^{\circ} 00^{\prime} \mathrm{N} / 57^{\circ} 45^{\prime} \mathrm{W}$ ENDAT

## UNIT AREA 3PH

starts $\quad 44^{\circ} 30^{\prime} \mathrm{N} / 56^{\circ} 00^{\prime} \mathrm{W}$ to $43^{\circ} 11^{\prime} \mathrm{N} / 54^{\circ} 30^{\prime} \mathrm{W}$ to $45^{\circ} 30^{\prime} N / 54^{\circ} 30^{\prime} W$ to $45^{\circ} 30^{\prime} N / 56^{\circ} 00^{\prime} W$ to $44^{\circ} 30^{\prime} \mathrm{N} / 56^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

## -28-

DIVISION 4V
starts $\quad 45^{\circ} 40^{\prime} \mathrm{N} / 60^{\circ} 15^{\prime} \mathrm{W}$ to $45^{\circ} 40^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ to $44^{\circ} 10^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ to $44^{\circ} 10^{\prime} \mathrm{N} / 59^{\circ} 00^{\prime} \mathrm{W}$ to $39^{\circ} 00^{\prime} \mathrm{N} / 59^{\circ} 00$ ' W to $39^{\circ} 00^{\prime} \mathrm{N} / 50^{\circ} 00^{\prime} \mathrm{W}$ to $47^{\circ} 50^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ to $47^{\circ} 04^{\prime} \mathrm{N} / 60^{\circ} 22^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 4VA
starts $\quad 45^{\circ} 40^{\prime} \mathrm{N} / 60^{\circ} 15^{\prime} \mathrm{W}$ to $45^{\circ} 40^{\prime} \mathrm{N} / 57^{\circ} 22^{\prime} \mathrm{W}$ to $47^{\circ} 50^{\prime} \mathrm{N} / 60^{\circ} 00$ ' W to $47^{\circ} 04^{\prime} \mathrm{N} / 60^{\circ} 22^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 4VB
starts $\quad 45^{\circ} 00^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ to $45^{\circ} 00^{\prime} \mathrm{N} / 58^{\circ} 20^{\prime} \mathrm{W}$ to $45^{\circ} 10^{\prime} \mathrm{N} / 58^{\circ} 20^{\prime} \mathrm{W}$ to $45^{\circ} 10^{\prime} \mathrm{N} / 57^{\circ} 22^{\prime} \mathrm{W}$ to $45^{\circ} 40^{\prime} \mathrm{N} / 57^{\circ} 22^{\prime}$ to $45^{\circ} 40^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ to $45^{\circ} 00^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

## UNIT AREA 4VC

starts $\quad 44^{\circ} 10^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ to $44^{\circ} 10^{\prime} \mathrm{N} / 59^{\circ} 00^{\prime} \mathrm{W}$ to $43^{\circ} 48^{\prime} \mathrm{N} / 59^{\circ} 00^{\prime} \mathrm{W}$ to $43^{\circ} 48^{\prime} \mathrm{N} / 55^{\circ} 15$ ' W to $45^{\circ} 10^{\prime} \mathrm{N} / 56^{\circ} 47^{\prime} \mathrm{W}$ to $45^{\circ} 10^{\prime} \mathrm{N} / 58^{\circ} 20^{\prime} \mathrm{W}$ to $45^{\circ} 00^{\prime} \mathrm{N} / 58^{\circ} 20^{\prime} \mathrm{W}$ to $45^{\circ} 00^{\prime} \mathrm{N} /$. $60^{\circ} 00^{\prime} \mathrm{W}$ to $44^{\circ} 10^{\prime} \mathrm{N} / 59^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 4VE
starts $\quad 42^{\circ} 00^{\prime} \mathrm{N} / 59^{\circ} 00^{\prime} \mathrm{W}$ to $42^{\circ} 00^{\prime} \mathrm{N} / 53^{\circ} 10^{\prime} \mathrm{W}$ to $43^{\circ} 48^{\prime} \mathrm{N} / 55^{\circ} 75^{\prime} \mathrm{W}$ to $43^{\circ} 48^{\prime} \mathrm{N} / 59^{\circ} 00$ ' W to $42^{\circ} 00^{\prime} \mathrm{N} / 59^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

Area $4 V V$ is the remainder of Division $4 V$ not included in the unit area description.

DIVISION $4 R$
starts

$$
\begin{aligned}
& 51^{\circ} 25^{\prime} \mathrm{N} / 57^{\circ} 06^{\prime} \mathrm{W} \text { to } 49^{\circ} 25^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W} \text { to } \\
& 47^{\circ} 50^{\prime} \mathrm{N} / 60^{\circ} 000^{\prime} \mathrm{W} \text { to } 47^{\circ} 30^{\prime} \mathrm{N} / 59^{\circ} 35^{\prime} \mathrm{W} \text { to } \\
& 47^{\circ} 43^{\prime} \mathrm{N} / 59^{\circ} 18^{\prime} \mathrm{W} \text { (southern and western boundaries) } \\
& 51^{\circ} 39^{\prime} \mathrm{N} / 55^{\circ} 25^{\prime} \mathrm{W} \text { to } 52^{\circ} 15^{\prime} \mathrm{N} / 55^{\circ} 25^{\prime} \mathrm{W} \text { to } \\
& 52^{\circ} 15^{\prime} \mathrm{N} / 55^{\circ} 41^{\prime} \mathrm{W} \text { (northern boundary) }
\end{aligned}
$$

UNIT AREA 4RA

| starts | $52^{\circ} 15^{\prime} \mathrm{N} / 55^{\circ} 41^{\prime} \mathrm{W}$ to $52^{\circ} 15^{\prime} \mathrm{N} / 55^{\circ} 25^{\prime} \mathrm{W}$ to |
| :--- | :--- |
|  | $51^{\circ} 39^{\prime} \mathrm{N} / 55^{\circ} 25^{\prime} \mathrm{W}$ (northern boundary) |
|  | $51^{\circ} 25^{\prime} \mathrm{N} / 57^{\circ} 06^{\prime} \mathrm{W}$ to $50^{\circ} 43^{\prime} \mathrm{N} / 58^{\circ} 09^{\prime} \mathrm{W}$ to |
|  | $50^{\circ} 43^{\prime} \mathrm{N} / 57^{\circ} 24^{\prime} \mathrm{W}$ (southern boundary) |

## UNIT AREA 4RB

starts $\quad 50^{\circ} 43^{\prime} \mathrm{N} / 57^{\circ} 24^{\prime} \mathrm{W}$ to $50^{\circ} 43^{\prime} \mathrm{N} / 58^{\circ} 09^{\prime} \mathrm{W}$ to $49^{\circ} 57^{\prime} \mathrm{N} / 59^{\circ} 15^{\prime} \mathrm{W}$ to $49^{\circ} 15^{\prime} \mathrm{N} / 58^{\circ} 15^{\prime} \mathrm{W}$ to ENDAT

UNIT AREA 4RC
starts $\quad 49^{\circ} 15^{\prime} \mathrm{N} / 58^{\circ} 15^{\prime} \mathrm{W}$ to $49^{\circ} 57^{\prime} \mathrm{N} / 59^{\circ} 15^{\prime} \mathrm{W}$ to $49^{\circ} 25^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ to $48^{\circ} 30^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ to $48^{\circ} 30^{\prime} \mathrm{N} / 59^{\circ} 17^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 4RD
starts $\quad 48^{\circ} 30^{\prime} \mathrm{N} / 59^{\circ} 17^{\prime} \mathrm{W}$ to $48^{\circ} 30^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ to $47^{\circ} 50^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ to $47^{\circ} 30^{\prime} \mathrm{N} / 59^{\circ} 35^{\prime} \mathrm{W}$ to $47^{\circ} 43^{\prime} \mathrm{N} / 59^{\circ} 18^{\prime} \mathrm{W}$ ENDAT

## DIVISION 4S

 - 30-starts $\quad 49^{\circ} 20^{\prime} \mathrm{N} / 67^{\circ} 24^{\prime} \mathrm{W}$ to $49^{\circ} 30^{\prime} \mathrm{N} / 64^{\circ} 40^{\prime} \mathrm{W}$ to $47^{\circ} 50^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ to $49^{\circ} 25^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ to $51^{\circ} 25^{\prime} \mathrm{N} / 57^{\circ} 06^{\prime}$ W ENDAT

## UNIT AREA 4SZ

starts $\quad 49^{\circ} 20^{\prime} \mathrm{N} / 67^{\circ} 24^{\prime} \mathrm{W}$ to $49^{\circ} 27^{\prime} \mathrm{N} / 65^{\circ} 50^{\prime} \mathrm{W}$ to $50^{\circ} 15^{\prime} \mathrm{N} / 65^{\circ} 50^{\prime} \mathrm{W}$ ENDAT

## UNIT AREA 4SI

starts $\quad 49^{\circ} 45^{\prime} \mathrm{N} / 64^{\circ} 15^{\prime} \mathrm{W}$ to $49^{\circ} 30^{\prime} \mathrm{N} / 64^{\circ} 40^{\prime} \mathrm{W}$ to $49^{\circ} 27^{\prime} \mathrm{N} / 65^{\circ} 50^{\prime} \mathrm{W}$ to $50^{\circ} 02^{\prime} \mathrm{N} / 65^{\circ} 50^{\prime} \mathrm{W}$ to $50^{\circ} 02^{\prime} \mathrm{N} / 64^{\circ} 00^{\prime} \mathrm{W}$ to $49^{\circ} 55^{\prime} \mathrm{N} / 64^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 4SY

| starts | $50^{\circ} 15^{\prime} \mathrm{N} / 65^{\circ} 50^{\prime} \mathrm{W}$ to $50^{\circ} 02^{\prime} \mathrm{N} / 65^{\circ} 50^{\prime} \mathrm{W}$ to |
| :--- | :--- |
|  | $50^{\circ} 02^{\prime} \mathrm{N} / 62^{\circ} 55^{\prime} \mathrm{W}$ to $49^{\circ} 40^{\prime} \mathrm{W} / 61^{\circ} 10^{\prime} \mathrm{W}$ to |
|  | $50^{\circ} 11^{\prime} \mathrm{N} / 61^{\circ} 10^{\prime} \mathrm{W}$ ENDAT |

UNIT AREA $4 S V$
starts $\quad 50^{\circ} 11^{\prime} \mathrm{N} / 61^{\circ} 10^{\prime} \mathrm{W}$ to $49^{\circ} 40^{\prime} \mathrm{N} / 61^{\circ} 10^{\prime} \mathrm{W}$ to $49^{\circ} 25^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ to $50^{\circ} 43^{\prime} \mathrm{N} / 58^{\circ} 09^{\prime} \mathrm{W}$ to $50^{\circ} 44^{\prime} \mathrm{N} / 59^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

## UNIT AREA 4SW

$$
\begin{array}{ll}
\text { starts } & 50^{\circ} 44^{\prime} \mathrm{N} / 59^{\circ} 00^{\prime} \mathrm{W} \text { to } 50^{\circ} 43^{\prime} \mathrm{N} / 58^{\circ} 09^{\prime} \mathrm{W} \text { to } \\
& 51^{\circ} 25^{\prime} \mathrm{N} / 57^{\circ} 06^{\prime} \mathrm{W} \text { ENDAT }
\end{array}
$$

UNIT AREA 4SS
starts $\quad 49^{\circ} 45^{\prime} \mathrm{N} / 64^{\circ} 75^{\prime} \mathrm{W}$ to $49^{\circ} 30^{\prime} \mathrm{N} / 64^{\circ} 40^{\prime} \mathrm{W}$ to $47^{\circ} 50^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ to $49^{\circ} 00^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ to $49^{\circ} 05^{\prime} \mathrm{N} / 61^{\circ} 42^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 4SX
starts $\quad 49^{\circ} 05^{\prime} \mathrm{N} / 61^{\circ} 42^{\prime} \mathrm{W}$ to $49^{\circ} 00^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ to $49^{\circ} 25^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ to $50^{\circ} 02{ }^{\prime} \mathrm{N} / 62^{\circ} 55^{\prime} \mathrm{W}$ to $50^{\circ} 02^{\prime} \mathrm{N} / 64^{\circ} 00^{\prime} \mathrm{W}$ to $49^{\circ} 55^{\prime} \mathrm{N} / 64^{\circ} 00^{\prime} \mathrm{W}$ ENDAT
$-32-$
DIVISION 4T
starts $\quad 49^{\circ} 20^{\prime} \mathrm{N} / 67^{\circ} 24^{\prime} \mathrm{W}$ to $49^{\circ} 30^{\prime} \mathrm{N} / 64^{\circ} 40^{\prime} \mathrm{W}$ to $47^{\circ} 50^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ to $47^{\circ} 04^{\prime} \mathrm{N} / 60^{\circ} 22^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 4TF
starts $\quad 47^{\circ} 04^{\prime} N / 60^{\circ} 22^{\prime} W$ to $47^{\circ} 50^{\prime} N / 60^{\circ} 00^{\prime} W$ to $48^{\circ} 48^{\prime} \mathrm{N} / 62^{\circ} 30^{\prime} \mathrm{W}$ to $46^{\circ} 50^{\prime} \mathrm{N} / 62^{\circ} 30^{\prime} \mathrm{W}$ to $47^{\circ} 04^{\prime} \mathrm{N} / 60^{\circ} 35^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 4TG

| starts | $46^{\circ} 20^{\prime} \mathrm{N} / 62^{\circ} 55^{\prime} \mathrm{W}$ to $46^{\circ} 50^{\prime} \mathrm{N} / 62^{\circ} 30^{\prime} \mathrm{W}$ to |
| :--- | :--- |
|  | $47^{\circ} 04^{\prime} \mathrm{N} / 60^{\circ} 35^{\prime} \mathrm{W}$ (northern boundary) |
|  | $46^{\circ} 00^{\prime} \mathrm{N} / 62^{\circ} 30^{\prime} \mathrm{W}$ to $45^{\circ} 50^{\prime} \mathrm{N} / 62^{\circ} 02^{\prime} \mathrm{W}$ (southern boundary) |

UNIT AREA 4TH
starts $\quad 46^{\circ} 00^{\prime} \mathrm{N} / 62^{\circ} 30^{\prime} \mathrm{W}$ to $45^{\circ} 50^{\prime} \mathrm{N} / 62^{\circ} 02^{\prime} \mathrm{W}$ (eastern boundary) $46^{\circ} 35^{\prime} \mathrm{N} / 64^{\circ} 44^{\prime} \mathrm{W}$ to $46^{\circ} 35^{\prime} \mathrm{N} / 64^{\circ} 08^{\prime} \mathrm{W}$ (western boundary)

UNIT AREA 4TJ
starts $\quad 46^{\circ} 20^{\prime} \mathrm{N} / 62^{\circ} 55^{\prime} \mathrm{W}$ to $46^{\circ} 50^{\prime} \mathrm{N} / 62^{\circ} 30^{\prime} \mathrm{W}$ to 0 .

UNIT AREA 4TK

$$
\begin{array}{ll}
\text { starts } & 47^{\circ} 000^{\prime} N / 63^{\circ} 45^{\prime} W \text { to } 47^{\circ} 00^{\prime} N / 62^{\circ} 30^{\prime} W \text { to } \\
& 48^{\circ} 48^{\prime} N / 62^{\circ} 30^{\prime} W \text { to } 49^{\circ} 15^{\prime} N / 63^{\circ} 45^{\prime} W \text { to } \\
& 47^{\circ} 00^{\prime} N / 63^{\circ} 45^{\prime} W \text { ENDAT }
\end{array}
$$

UNIT AREA 4TL

$$
\begin{aligned}
& \text { starts } 47^{\circ} 35^{\prime} \mathrm{N} / 64^{\circ} 50^{\prime} \mathrm{W} \text { to } 47^{\circ} 35^{\prime} \mathrm{N} / 63^{\circ} 45^{\prime} \mathrm{W} \text { to } \\
& 47^{\circ} 00^{\prime} \mathrm{N} / 63^{\circ} 45^{\prime} \mathrm{W} \text { to } 46^{\circ} 40^{\prime} \mathrm{N} / 63^{\circ} 55^{\prime} \mathrm{W} \text { (northern boundary and } \\
& \text { eastern boundary) } \\
& 46^{\circ} 35^{\prime} \mathrm{N} / 64^{\circ} 44^{\prime} \mathrm{W} \text { to } 46^{\circ} 35^{\prime} \mathrm{N} / 64^{\circ} 08^{\prime} \mathrm{W} \text { (southern boundary) }
\end{aligned}
$$

## UNIT AREA 4TN

$$
\begin{array}{ll}
\text { starts } & 47^{\circ} 35^{\prime} \mathrm{N} / 64^{\circ} 50^{\prime} \mathrm{W} \text { to } 47^{\circ} 35^{\prime} \mathrm{N} / 63^{\circ} 45^{\prime} \mathrm{W} \text { to } \\
& 49^{\circ} 15^{\prime} \mathrm{N} / 63^{\circ} 45^{\prime} \mathrm{W} \text { to } 48^{\circ} 45^{\prime} \mathrm{N} / 64^{\circ} 12^{\prime} \mathrm{W} \text { (northern, eastern \& } \\
\text { southern boundary) } \\
& 48^{\circ} 13^{\prime} \mathrm{N} / 64^{\circ} 50^{\prime} \mathrm{W} \text { to } 47^{\circ} 48^{\prime} \mathrm{N} / 64^{\circ} 50^{\prime} \mathrm{W} \text { (western boundary) }
\end{array}
$$

UNIT AREA 4TM
The Baie Des Chaleurs west of :

$$
48^{\circ} 13^{\prime} \mathrm{N} / 64^{\circ} 50^{\prime} \mathrm{W} \text { to } 47^{\circ} 48^{\prime} \mathrm{N} / 64^{\circ} 50^{\prime} \mathrm{W}
$$

UNIT AREA 4T0
starts $\quad 48^{\circ} 47^{\prime} \mathrm{N} / 64^{\circ} 12^{\prime} \mathrm{W}$ to $49^{\circ} 15^{\prime} \mathrm{N} / 63^{\circ} 45^{\prime} \mathrm{W}$ to $49^{\circ} 30^{\prime} \mathrm{N} / 64^{\circ} 40^{\prime} \mathrm{W}$ to $49^{\circ} 27^{\prime} \mathrm{N} / 67^{\circ} 00^{\prime} \mathrm{W}$ to $49^{\circ} 00^{\prime} \mathrm{N} / 67^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 4TQ
starts The St. Lawrence River bounded by: $49^{\circ} 20^{\prime} N / 67^{\circ} 24$ ' W to $49^{\circ} 21^{\prime} \mathrm{N} / 67^{\circ} 00^{\prime} \mathrm{W}$ to $49^{\circ} 00^{\prime} N / 67^{\circ} 00^{\prime} W$ in the east and, $49^{\circ} 00^{\prime} \mathrm{N} / 68^{\circ} 40^{\prime} \mathrm{W}$ to $48^{\circ} 40^{\prime} \mathrm{N} / 68^{\circ} 10^{\prime} \mathrm{W}$ in the west

$$
-34-
$$

UNIT AREA 4TP
starts The St. Lawrence River west of: $49^{\circ} 00^{\prime} \mathrm{N} / 68^{\circ} 40^{\prime} \mathrm{W}$ to $48^{\circ} 40^{\prime} \mathrm{N} / 68^{\circ} 10^{\prime} \mathrm{W}$

DIVISION 4W
starts $\quad 44^{\circ} 25^{\prime} N / 63^{\circ} 35^{\prime} W$ to $44^{\circ} 20^{\circ} N / 63^{\circ} 20^{\prime} W$ to $39^{\circ} 00^{\prime} \mathrm{N} / 63^{\circ} 20^{\prime} \mathrm{W}$ to $39^{\circ} 00^{\prime} \mathrm{N} / 59^{\circ} 00^{\prime} \mathrm{W}$ to $44^{\circ} 10^{\prime} \mathrm{N} / 59^{\circ} 00^{\prime} \mathrm{W}$ to $44^{\circ} 10^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ to $45^{\circ} 40^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ to $45^{\circ} 40^{\prime} \mathrm{N} / 60^{\circ} 15^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 4WD
starts $\quad 45^{\circ} 10^{\prime} \mathrm{N} / 61^{\circ} 40^{\prime} \mathrm{W}$ to $45^{\circ} 00^{\prime} \mathrm{N} / 61^{\circ} 30^{\prime} \mathrm{W}$ to $44^{\circ} 50^{\prime} \mathrm{N} / 67^{\circ} 30^{\prime} \mathrm{W}$ to $44^{\circ} 50^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ to $45^{\circ} 40^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ to $45^{\circ} 40^{\prime} \mathrm{N} / 60^{\circ} 15^{\prime} \mathrm{W}$ ENDAT

## UNIT AREA 4WE

starts $\quad 44^{\circ} 50 \quad \mathrm{~N} / 61^{\circ} 20^{\prime} \mathrm{W}$ to $44^{\circ} 40^{\prime} \mathrm{N} / 61^{\circ} 20^{\prime} \mathrm{W}$ to $44^{\circ} 40^{\prime} \mathrm{N} / 61^{\circ} 10^{\prime} \mathrm{W}$ to $44^{\circ} 10^{\prime} \mathrm{N} / 61^{\circ} 10^{\prime} \mathrm{W}$ to $44^{\circ} 10^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ to $44^{\circ} 50^{\prime} \mathrm{N} / 60^{\circ} 00^{\prime} \mathrm{W}$ to $44^{\circ} 50^{\prime} \mathrm{N} / 61^{\circ} 20^{\prime}$ 'W ENDAT

UNIT AREA 4WF
starts $\quad 44^{\circ} 10^{\prime} \mathrm{N} / 67^{\circ} 00^{\prime} \mathrm{W}$ to $43^{\circ} 30^{\prime} \mathrm{N} / 61^{\circ} 00^{\prime} \mathrm{W}$ to $43^{\circ} 30^{\prime} \mathrm{N} / 60^{\circ} 10^{\prime} \mathrm{W}$ to $43^{\circ} 40^{\prime} \mathrm{N} / 60^{\circ} 10^{\prime} \mathrm{W}$ to $43^{\circ} 40^{\prime} \mathrm{N} / 59^{\circ} 30^{\prime} \mathrm{W}$ to $44^{\circ} 10^{\prime} \mathrm{N} / 59^{\circ} 30^{\prime} \mathrm{W}$ to $44^{\circ} 10^{\prime} \mathrm{N} / 61^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

$$
-36-
$$

UNIT AREA 4WG

$$
\begin{aligned}
& \text { starts } \quad 43^{\circ} 30^{\prime} \mathrm{N} / 60^{\circ} 40^{\prime} \mathrm{W} \text { to } 43^{\circ} 00^{\prime} \mathrm{N} / 60^{\circ} 40^{\prime} \mathrm{W} \text { to } \\
& 43^{\circ} 00^{\prime} \mathrm{N} / 59^{\circ} 00^{\prime} \mathrm{W} \text { to } 44^{\circ} 10^{\prime} \mathrm{N} / 59^{\circ} 00^{\prime} \mathrm{W} \text { to } \\
& 44^{\circ} 10^{\prime} \mathrm{N} / 59^{\circ} 30^{\prime} \mathrm{W} \text { to } 43^{\circ} 40^{\prime} \mathrm{N} / 59^{\circ} 30^{\prime} \mathrm{W} \text { to } \\
& 43^{\circ} 40^{\prime} \mathrm{N} / 60^{\circ} 10^{\prime} \mathrm{W} \text { to } 43^{\circ} 30^{\prime} \mathrm{N} / 60^{\circ} 10^{\prime} \mathrm{W} \text { to } \\
& 43^{\circ} 30^{\prime} \mathrm{N} / 60^{\circ} 40^{\prime} \mathrm{W} \text { ENDAT }
\end{aligned}
$$

## UNIT AREA 4WH

starts $\quad 44^{\circ} 30^{\prime} \mathrm{N} / 62^{\circ} 10^{\prime} \mathrm{W}$ to $43^{\circ} 50^{\prime} \mathrm{N} / 62^{\circ} 10^{\prime} \mathrm{W}$ to $43^{\circ} 50^{\prime} \mathrm{N} / 61^{\circ} 40^{\prime} \mathrm{W}$ to $43^{\circ} 40^{\prime} \mathrm{N} / 61^{\circ} 40^{\prime} \mathrm{W}$ to $43^{\circ} 40^{\prime} \mathrm{N} / 61^{\circ} 30^{\prime} \mathrm{W}$ to $43^{\circ} 30^{\prime} \mathrm{N} / 61^{\circ} 30^{\prime} \mathrm{W}$ to $43^{\circ} 30^{\prime} \mathrm{N} / 61^{\circ} 00^{\prime} \mathrm{W}$ to $44^{\circ} 10^{\prime} \mathrm{N} / 61^{\circ} 00^{\prime} \mathrm{W}$ to $44^{\circ} 10^{\prime} \mathrm{N} / 61^{\circ} 10^{\prime} \mathrm{W}$ to $44^{\circ} 40^{\prime} \mathrm{N} / 61^{\circ} 10^{\prime} \mathrm{W}$ to $44^{\circ} 40^{\prime} \mathrm{N} / 61^{\circ} 20^{\prime} \mathrm{W}$ to $44^{\circ} 50^{\prime} \mathrm{N} / 61^{\circ} 20^{\prime} \mathrm{W}$ to $44^{\circ} 50^{\prime} \mathrm{N} / 61^{\circ} 30^{\prime} \mathrm{W}$ to $44^{\circ} 40^{\prime} \mathrm{N} / 61^{\circ} 30^{\prime} \mathrm{W}$ to $44^{\circ} 40^{\prime} \mathrm{N} / 62^{\circ} 00^{\prime} \mathrm{W}$ to $44^{\circ} 30^{\prime} \mathrm{N} / 62^{\circ} 00^{\prime} \mathrm{W}$ to $44^{\circ} 30^{\prime} \mathrm{N} / 62^{\circ} 10^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 4WJ
starts $\quad 43^{\circ} 50^{\prime} \mathrm{N} / 62^{\circ} 10^{\prime} \mathrm{W}$ to $42^{\circ} 40^{\prime} \mathrm{N} / 62^{\circ} 10^{\prime} \mathrm{W}$ to $42^{\circ} 40^{\prime} \mathrm{N} / 60^{\circ} 40^{\prime} \mathrm{W}$ to $43^{\circ} 30^{\prime} \mathrm{N} / 60^{\circ} 40^{\prime} \mathrm{W}$ to $43^{\circ} 30^{\prime} \mathrm{N} / 67^{\circ} 30^{\prime} \mathrm{W}$ to $43^{\circ} 40^{\prime} \mathrm{N} / 61^{\circ} 30^{\prime} \mathrm{W}$ to $43^{\circ} 40^{\prime} \mathrm{N} / 61^{\circ} 40^{\prime} \mathrm{W}$ to $43^{\circ} 50^{\prime} \mathrm{N} / 61^{\circ} 40^{\prime} \mathrm{W}$ to $43^{\circ} 50^{\prime} \mathrm{N} / 62^{\circ} 10^{\prime} \mathrm{W}$ ENDAT
-37-
UNIT AREA 4WK

$$
\begin{array}{cl}
\text { starts } & 44^{\circ} 25^{\prime} \mathrm{N} / 63^{\circ} 35^{\prime} \mathrm{W} \text { to } 44^{\circ} 20^{\prime} \mathrm{N} / 63^{\circ} 20^{\prime} \mathrm{W} \text { to } \\
& 44^{\circ} 00^{\prime} \mathrm{N} / 63^{\circ} 20^{\prime} \mathrm{W} \text { to } 44^{\circ} 00^{\prime} \mathrm{N} / 62^{\circ} 10^{\prime} \mathrm{W} \text { to } \\
& 44^{\circ} 30^{\prime} \mathrm{N} / 62^{\circ} 10^{\prime} \mathrm{W} \text { to } 44^{\circ} 30^{\prime} \mathrm{N} / 62^{\circ} 00^{\prime} \mathrm{W} \text { to } \\
& 44^{\circ} 40^{\prime} \mathrm{N} / 62^{\circ} 00^{\prime} \mathrm{W} \text { to } 44^{\circ} 40^{\prime} \mathrm{N} / 61^{\circ} 30^{\prime} \mathrm{W} \text { to } \\
& 45^{\mathrm{O}} 00^{\prime} \mathrm{N} / 61^{\circ} 30^{\prime} \mathrm{W} \text { to } 45^{\circ} 10^{\prime} \mathrm{N} / 61^{\circ} 40^{\prime} \mathrm{W} \text { ENDAT }
\end{array}
$$

UNIT AREA 4WL
starts $\quad 44^{\circ} 00^{\prime} \mathrm{N} / 63^{\circ} 20^{\prime} \mathrm{W}$ to $42^{\circ} 40^{\prime} \mathrm{N} / 63^{\circ} 20^{\prime} \mathrm{W}$ to $42^{\circ} 40^{\prime} \mathrm{N} / 62^{\circ} 10^{\prime} \mathrm{W}$ to $44^{\circ} 00^{\prime} \mathrm{N} / 62^{\circ} 10^{\prime} \mathrm{W}$ to $44^{\circ} 00^{\prime} \mathrm{N} / 63^{\circ} 20^{\prime}$ W ENDAT

## UNIT AREA 4WM

$$
\begin{array}{cl}
\text { starts } & 42^{\circ} 40^{\prime} \mathrm{N} / 63^{\circ} 20^{\prime} \mathrm{W} \text { to } 41^{\circ} 00^{\prime} \mathrm{N} / 63^{\circ} 20^{\prime} \mathrm{W} \text { to } \\
& 41^{\circ} 00^{\prime} \mathrm{N} / 61^{\circ} 30^{\prime} \mathrm{W} \text { to } 41^{\circ} 30^{\prime} \mathrm{N} / 61^{\circ} 30^{\prime} \mathrm{W} \text { to } \\
& 41^{\circ} 30^{\prime} \mathrm{N} / 60^{\circ} 30^{\prime} \mathrm{W} \text { to } 42^{\circ} 00^{\prime} \mathrm{N} / 60^{\circ} 30^{\prime} \mathrm{W} \text { to } \\
& 42^{\circ} 00^{\prime} \mathrm{N} / 59^{\circ} 00^{\prime} \mathrm{W} \text { to } 43^{\circ} 00^{\prime} \mathrm{N} / 59^{\circ} 00^{\prime} \mathrm{W} \text { to } \\
& 43^{\circ} 00^{\prime} \mathrm{N} / 60^{\circ} 40^{\prime} \mathrm{W} \text { to } 42^{\circ} 40^{\prime} \mathrm{N} / 60^{\circ} 40^{\prime} \mathrm{W} \text { to } \\
& 42^{\circ} 40^{\prime} \mathrm{N} / 63^{\circ} 20^{\prime} \mathrm{W} \text { ENDAT }
\end{array}
$$

Area $4 W W$ is the remainder of the Division 4W not included in the Unit Area description.

$$
-38
$$

DIVISION 4X
starts $\quad 45^{\circ} 05^{\prime} \mathrm{N} / 66^{\circ} 50^{\prime} \mathrm{W}$ to $43^{\circ} 50^{\prime} \mathrm{N} / 66^{\circ} 50^{\prime} \mathrm{W}$ to $43^{\circ} 50^{\prime} \mathrm{N} / 67^{\circ} 40^{\prime} \mathrm{W}$ to $42^{\circ} 20^{\prime} \mathrm{N} / 67^{\circ} 40^{\prime} \mathrm{W}$ to $42^{\circ} 20^{\prime} \mathrm{N} / 66^{\circ} 00^{\prime} \mathrm{W}$ to $42^{\circ} 00^{\prime} \mathrm{N} / 65^{\circ} 40$ ' W to $39^{\circ} 00^{\prime} \mathrm{N} / 65^{\circ} 40^{\prime} \mathrm{W}$ to $39^{\circ} 00^{\prime} \mathrm{N} / 63^{\circ} 20^{\prime} \mathrm{W}$ to $44^{\circ} 20^{\prime} \mathrm{N} / 63^{\circ} 20^{\prime} \mathrm{W}$ to $44^{\circ} 25^{\prime} \mathrm{N} / 63^{\circ} 35^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 4XL
starts $\quad 42^{\circ} 00^{\prime} \mathrm{N} / 65^{\circ} 40^{\prime} \mathrm{W}$ to $40^{\circ} 40^{\prime} \mathrm{N} / 65^{\circ} 40^{\prime} \mathrm{W}$ to $40^{\circ} 40^{\prime} \mathrm{N} / 65^{\circ} 10^{\prime} \mathrm{W}$ to $40^{\circ} 50^{\prime} \mathrm{N} / 65^{\circ} 10^{\prime} \mathrm{W}$ to $40^{\circ} 50^{\prime} \mathrm{N} / 64^{\circ} 50^{\prime} \mathrm{W}$ to $41^{\circ} 00^{\prime} \mathrm{N} / 64^{\circ} 50^{\prime} \mathrm{W}$ to $41^{\circ} 00^{\prime} \mathrm{N} / 64^{\circ} 10^{\prime} \mathrm{W}$ to $41^{\circ} 10^{\prime} \mathrm{N} / 64^{\circ} 10^{\prime} \mathrm{W}$ to $47^{\circ} 10^{\prime} \mathrm{N} / 63^{\circ} 40^{\prime} \mathrm{W}$ to $41^{\circ} 30^{\prime} \mathrm{N} / 63^{\circ} 40^{\prime} \mathrm{W}$ to $41^{\circ} 30^{\prime} \mathrm{N} / 63^{\circ} 20^{\prime} \mathrm{W}$ to $42^{\circ} 00^{\prime} \mathrm{N} / 63^{\circ} 20^{\prime} \mathrm{W}$ to $42^{\circ} 00^{\prime} \mathrm{N} / 65^{\circ} 40^{\prime} \mathrm{W}$ ENDAT

## UNIT AREA 4XM

starts $\quad 44^{\circ} 10^{\prime} \mathrm{N} / 64^{\circ} 30^{\prime} \mathrm{W}$ to $44^{\circ} 00^{\prime} \mathrm{N} / 64^{\circ} 20^{\prime} \mathrm{W}$ to $43^{\circ} 40^{\prime} \mathrm{N} / 64^{\circ} 20^{\prime} \mathrm{W}$ to $43^{\circ} 40^{\prime} \mathrm{N} / 63^{\circ} 20^{\prime} \mathrm{W}$ to $44^{\circ} 20^{\prime} \mathrm{N} / 63^{\circ} 20^{\prime} \mathrm{W}$ to $44^{\circ} 25^{\prime} \mathrm{N} / 63^{\circ} 35^{\prime} \mathrm{W}$ ENDAT

## UNIT AREA 4XN

$$
\begin{aligned}
& \text { starts } \quad 42^{\circ} 50^{\prime} \mathrm{N} / 65^{\circ} 30^{\prime} \mathrm{W} \text { to } 42^{\circ} 00^{\prime} \mathrm{N} / 65^{\circ} 30^{\prime} \mathrm{W} \text { to } \\
& 42^{\circ} 00^{\prime} \mathrm{N} / 63^{\circ} 20^{\prime} \mathrm{W} \text { to } 43^{\circ} 40^{\prime} \mathrm{N} / 63^{\circ} 20^{\prime} \mathrm{W} \text { to } \\
& 43^{\circ} 40^{\prime} \mathrm{N} / 64^{\circ} 20^{\prime} \mathrm{W} \text { to } 43^{\circ} 20^{\prime} \mathrm{N} / 64^{\circ} 20^{\prime} \mathrm{W} \text { to } \\
& 43^{\circ} 20^{\prime} \mathrm{N} / 64^{\circ} 30^{\prime} \mathrm{W} \text { to } 43^{\circ} 10^{\prime} \mathrm{N} / 64^{\circ} 30^{\prime} \mathrm{W} \text { to } \\
& 43^{\circ} 10^{\prime} \mathrm{N} / 64^{\circ} 50^{\prime} \mathrm{W} \text { to } 42^{\circ} 50^{\prime} \mathrm{N} / 64^{\circ} 50^{\prime} \mathrm{W} \text { to } \\
& 42^{\circ} 50^{\prime} \mathrm{N} / 65^{\circ} 30^{\prime} \mathrm{W} \text { ENDAT }
\end{aligned}
$$

$-39-$
UNIT AREA $4 \times 0$
starts $\quad 43^{\circ} 35^{\prime} \mathrm{N} / 65^{\circ} 50^{\prime} \mathrm{W}$ to $43^{\circ} 10^{\prime} \mathrm{N} / 65^{\circ} 50^{\prime} \mathrm{W}$ to $43^{\circ} 00^{\prime} \mathrm{N} / 66^{\circ} 10^{\prime} \mathrm{W}$ to $42^{\circ} 50^{\prime} \mathrm{N} / 66^{\circ} 10^{\prime} \mathrm{W}$ to $42^{\circ} 50^{\prime} \mathrm{N} / 64^{\circ} 50^{\prime} \mathrm{W}$ to $43^{\circ} 10^{\prime} \mathrm{N} / 64^{\circ} 50^{\prime} \mathrm{W}$ to $43^{\circ} 10^{\prime} \mathrm{N} / 64^{\circ} 30^{\prime} \mathrm{W}$ to $43^{\circ} 20^{\prime} \mathrm{N} / 64^{\circ} 30^{\prime} \mathrm{W}$ to $43^{\circ} 20^{\prime} N / 64^{\circ} 20^{\prime} W$ to $44^{\circ} 00^{\prime} N / 64^{\circ} 20^{\prime} W$ to $44^{\circ} 10^{\prime} \mathrm{N} / 64^{\circ} 30^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 4XP
starts $\quad 43^{\circ} 00^{\prime} \mathrm{N} / 67^{\circ} 40^{\prime} \mathrm{W}$ to $42^{\circ} 20^{\prime} \mathrm{N} / 67^{\circ} 40^{\prime} \mathrm{W}$ to $42^{\circ} 20^{\prime} \mathrm{N} / 66^{\circ} 00^{\prime} \mathrm{W}$ to $42^{\circ} 00^{\prime} \mathrm{N} / 65^{\circ} 40^{\prime} \mathrm{W}$ to $42^{\circ} 00^{\prime} \mathrm{N} / 65^{\circ} 30^{\prime} \mathrm{W}$ to $42^{\circ} 50^{\prime} \mathrm{N} / 65^{\circ} 30^{\prime} \mathrm{W}$ to $42^{\circ} 50^{\prime} \mathrm{N} / 66^{\circ} 10^{\prime} \mathrm{W}$ to $43^{\circ} 00^{\prime} \mathrm{N} / 66^{\circ} 10^{\prime} \mathrm{W}$ to $43^{\circ} 00^{\prime} \mathrm{N} / 67^{\circ} 40^{\prime} \mathrm{W}$ ENDAT

UNIT AREA $4 \times Q$
starts $\quad 44^{\circ} 00^{\prime} \mathrm{N} / 66^{\circ} 10^{\prime} \mathrm{W}$ to $44^{\circ} 00^{\prime} \mathrm{N} / 66^{\circ} 50^{\prime} \mathrm{W}$ to $43^{\circ} 50^{\prime} \mathrm{N} / 66^{\circ} 50^{\prime} \mathrm{W}$ to $43^{\circ} 50^{\prime} \mathrm{N} / 67^{\circ} 40^{\prime} \mathrm{W}$ to $43^{\circ} 00^{\prime} \mathrm{N} / 67^{\circ} 40^{\prime} \mathrm{W}$ to $43^{\circ} 00^{\prime} \mathrm{N} / 66^{\circ} 10^{\prime} \mathrm{W}$ to $43^{\circ} 10^{\prime} \mathrm{N} / 66^{\circ} 10^{\prime} \mathrm{W}$ to $43^{\circ} 10^{\prime} \mathrm{N} / 65^{\circ} 50^{\prime} \mathrm{W}$ to $43^{\circ} 35^{\prime} N / 65^{\circ} 50^{\prime} W$ ENDAT

UNIT AREA $4 \times R$
starts $\quad 45^{\circ} 20^{\prime} \mathrm{N} / 64^{\circ} 55^{\prime} \mathrm{W}$ to $44^{\circ} 20^{\prime} \mathrm{N} / 66^{\circ} 50^{\prime} \mathrm{W}$ to $44^{\circ} 00^{\prime} \mathrm{N} / 66^{\circ} 50^{\prime} \mathrm{W}$ to $44^{\circ} 00^{\prime} \mathrm{N} / 66^{\circ} 10^{\prime} \mathrm{W}$ ENDAT

## $-40$.

UNIT AREA 4XS
starts $\quad 45^{\circ} 05^{\prime} \mathrm{N} / 66^{\circ} 50$ ' W to $44^{\circ} 20^{\prime} \mathrm{N} / 66^{\circ} 50^{\prime} \mathrm{W}$ to $45^{\circ} 20^{\prime} N / 64^{\circ} 55^{\prime} W$ ENDAT

Area $4 X X$ is the remainder of Division $4 X$ not included in the Unit Area Description.

DIVISION 5 Y
starts $\quad 41^{\circ} 27^{\prime} \mathrm{N} / 71^{\circ} 10^{\prime} \mathrm{W}$ to $41^{\circ} 17^{\prime} \mathrm{N} / 71^{\circ} 10^{\prime} \mathrm{W}$ to $41^{\circ} 17^{\prime} \mathrm{N} / 70^{\circ} 00^{\prime} \mathrm{W}$ to $42^{\circ} 20^{\prime} \mathrm{N} / 70^{\circ} 00^{\prime} \mathrm{W}$ to $42^{\circ} 20^{\prime} \mathrm{N} / 67^{\circ} 40^{\prime} \mathrm{W}$ to $43^{\circ} 50^{\prime} \mathrm{N} / 67^{\circ} 40^{\prime} \mathrm{W}$ to $43^{\circ} 50^{\prime} \mathrm{N} / 60^{\circ} 50^{\prime} \mathrm{W}$ to $45^{\circ} 05^{\prime} \mathrm{N} / 66^{\circ} 50^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 5YB
starts $\quad 44^{\circ} 24^{\prime} \mathrm{N} / 68^{\circ} 05^{\prime} \mathrm{W}$ to $44^{\circ} 10^{\prime} \mathrm{N} / 68^{\circ} 05^{\prime} \mathrm{W}$ to $44^{\circ} 10^{\prime} \mathrm{N} / 67^{\circ} 40^{\prime} \mathrm{W}$ to $43^{\circ} 50^{\prime} \mathrm{N} / 67^{\circ} 40^{\prime} \mathrm{W}$ to $43^{\circ} 50^{\prime} N / 66^{\circ} 50^{\prime} W$ to $45^{\circ} 05^{\prime} N / 66^{\circ} 50^{\prime} W$ ENDAT

UNIT AREA 5YC
starts $\quad 43^{\circ} 58^{\prime} \mathrm{N} / 69^{\circ} 20^{\prime} \mathrm{W}$ to $43^{\circ} 40^{\prime} \mathrm{N} / 69^{\circ} 20^{\prime} \mathrm{W}$ to $43^{\circ} 40^{\prime} \mathrm{N} / 68^{\circ} 50^{\prime} \mathrm{W}$ to $43^{\circ} 20^{\prime} \mathrm{N} / 68^{\circ} 50^{\prime} \mathrm{W}$ to $43^{\circ} 20^{\prime} \mathrm{N} / 67^{\circ} 40^{\prime} \mathrm{W}$ to $44^{\circ} 10^{\prime} \mathrm{N} / 67^{\circ} 40^{\prime} \mathrm{W}$ to $44^{\circ} 10^{\prime} \mathrm{N} / 68^{\circ} 05^{\prime} \mathrm{W}$ to $44^{\circ} 24^{\prime} \mathrm{N} / 68^{\circ} 05^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 5YD
starts $\quad 42^{\circ} 50^{\prime} \mathrm{N} / 70^{\circ} 49^{\prime} \mathrm{W}$ to $42^{\circ} 50^{\prime} \mathrm{N} / 69^{\circ} 10^{\prime} \mathrm{W}$ to $43^{\circ} 00^{\prime} \mathrm{N} / 69^{\circ} 10^{\prime} \mathrm{W}$ to $43^{\circ} 00^{\prime} \mathrm{N} / 69^{\circ} 00^{\prime} \mathrm{W}$ to $43^{\circ} 10^{\prime} \mathrm{N} / 69^{\circ} 00$ ' W to $43^{\circ} 10^{\prime} \mathrm{N} / 68^{\circ} 50$ ' W to $43^{\circ} 40^{\prime} \mathrm{N} / 68^{\circ} 50^{\prime} \mathrm{W}$ to $43^{\circ} 40^{\prime} \mathrm{N} / 69^{\circ} 20^{\prime} \mathrm{W}$ to $43^{\circ} 58^{\prime} \mathrm{N} / 69^{\circ} 20^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 5YE

| starts | $41^{\circ} 27{ }^{\prime} \mathrm{N} / 71^{\circ} 10^{\prime} \mathrm{W}$ to $41^{\circ} 17^{\prime} \mathrm{N} / 71^{\circ} 10^{\prime} \mathrm{W}$ to |
| :--- | :--- |
|  | $41^{\circ} 17^{\prime} \mathrm{N} / 70^{\circ} 00^{\prime} \mathrm{W}$ to $42^{\circ} 20^{\prime} \mathrm{N} / 70^{\circ} 00^{\prime} \mathrm{W}$ to |
|  | $42^{\circ} 20^{\prime} \mathrm{N} / 69^{\circ} 40^{\prime} \mathrm{W}$ to $42^{\circ} 50^{\prime} \mathrm{N} / 69^{\circ} 40^{\prime} \mathrm{W}$ to |
|  | $42^{\circ} 50^{\prime} \mathrm{N} / 70^{\circ} 49^{\prime} \mathrm{W}$ ENDAT |

UNIT AREA 5YF
starts $\quad 42^{\circ} 50^{\prime} \mathrm{N} / 69^{\circ} 40^{\prime} \mathrm{W}$ to $42^{\circ} 20^{\prime} \mathrm{N} / 69^{\circ} 40^{\prime} \mathrm{W}$ to $42^{\circ} 20^{\prime} \mathrm{N} / 67^{\circ} 40^{\prime} \mathrm{W}$ to $43^{\circ} 20^{\prime} \mathrm{N} / 67^{\circ} 40^{\prime} \mathrm{W}$ to $43^{\circ} 20^{\prime} \mathrm{N} / 68^{\circ} 50^{\prime} \mathrm{W}$ to $43^{\circ} 10^{\prime} \mathrm{N} / 68^{\circ} 50 \mathrm{~W}$ to $43^{\circ} 10^{\prime} \mathrm{N} / 69^{\circ} 00^{\prime} \mathrm{W}$ to $43^{\circ} 00{ }^{\prime} \mathrm{N} / 69^{\circ} 00^{\prime} \mathrm{W}$ to $43^{\circ} 00^{\prime} \mathrm{N} / 69^{\circ} 10^{\prime} \mathrm{W}$ to $42^{\circ} 50^{\prime} \mathrm{N} / 69^{\circ} 10^{\prime} \mathrm{W}$ to $42^{\circ} 50^{\prime} \mathrm{N} / 69^{\circ} 40^{\prime} \mathrm{W}$ ENDAT

DIVISION $5 Z$
$-43-$
$\begin{array}{ll}\text { starts } & 41^{\circ} 20^{\prime} \mathrm{N} / 71^{\circ} 40^{\prime} \mathrm{W} \text { to } 39^{\circ} 00^{\prime} \mathrm{N} / 71^{\circ} 40^{\prime} \mathrm{W} \text { to } \\ & 39^{\circ} 00^{\prime} \mathrm{N} / 65^{\circ} 40^{\prime} \mathrm{W} \text { to } 42^{\circ} 00^{\prime} \mathrm{N} / 65^{\circ} 40^{\prime} \mathrm{W} \text { to } \\ & 42^{\circ} 20^{\prime} \mathrm{N} / 66^{\circ} 00^{\prime} \mathrm{W} \text { to } 42^{\circ} 20^{\prime} \mathrm{N} / 71^{\circ} 03^{\prime} \mathrm{W} \text { ENDAT }\end{array}$

## UNIT AREA 5ZG

starts $\quad 42^{\circ} 20^{\prime} \mathrm{N} / 70^{\circ} 00^{\prime} \mathrm{W}$ to $47^{\circ} 17^{\prime} \mathrm{N} / 70^{\circ} 00^{\prime} \mathrm{W}$ to $41^{\circ} 17^{\prime} \mathrm{N} / 69^{\circ} 50$ ' W to $41^{\circ} 10^{\prime} \mathrm{N} / 69^{\circ} 50^{\prime} \mathrm{W}$ to $41^{\circ} 10^{\prime} \mathrm{N} / 69^{\circ} 30^{\prime} \mathrm{W}$ to $47^{\circ} 00^{\prime} \mathrm{N} / 69^{\circ} 30^{\prime} \mathrm{W}$ to $41^{\circ} 00^{\prime} \mathrm{N} / 68^{\circ} 50$ ' W to $42^{\circ} 20^{\prime} \mathrm{N} / 68^{\circ} 50$ ' W to $42^{\circ} 20^{\prime} \mathrm{N} / 70^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

## UNIT AREA 5ZH

starts $\quad 42^{\circ} 20^{\prime} \mathrm{N} / 68^{\circ} 50^{\prime} \mathrm{W}$ to $41^{\circ} 00^{\prime} \mathrm{N} / 68^{\circ} 50^{\prime} \mathrm{W}$ to $41^{\circ} 00^{\prime} \mathrm{N} / 68^{\circ} 20^{\prime} \mathrm{W}$ to $41^{\circ} 10^{\prime} \mathrm{N} / 68^{\circ} 20^{\prime} \mathrm{W}$ to $41^{\circ} 10^{\prime} \mathrm{N} / 68^{\circ} 10^{\prime} \mathrm{W}$ to $41^{\circ} 20^{\prime} \mathrm{N} / 68^{\circ} 10^{\prime} \mathrm{W}$ to $41^{\circ} 20^{\prime} \mathrm{N} / 67^{\circ} 40^{\prime} \mathrm{W}$ to $42^{\circ} 20^{\prime} \mathrm{N} / 67^{\circ} 40^{\prime} \mathrm{W}$ to $42^{\circ} 20^{\prime} N / 68^{\circ} 50^{\prime} W$ ENDAT

UNIT AREA 5ZJ
starts $\quad 42^{\circ} 20^{\prime} \mathrm{N} / 67^{\circ} 40^{\prime} \mathrm{W}$ to $41^{\circ} 50^{\prime} \mathrm{N} / 67^{\circ} 40^{\prime} \mathrm{W}$ to $41^{\circ} 50^{\prime} \mathrm{N} / 65^{\circ} 40^{\prime} \mathrm{W}$ to $42^{\circ} 00^{\prime} \mathrm{N} / 65^{\circ} 40^{\prime} \mathrm{W}$ to $42^{\circ} 20^{\prime} \mathrm{N} / 66^{\circ} 00^{\prime} \mathrm{W}$ to $42^{\circ} 20^{\prime} \mathrm{N} / 67^{\circ} 40^{\prime} \mathrm{W}$ ENDAT

UNIT AREA 5ZM

| starts | $41^{\circ} 50 \cdot \mathrm{~N} / 67^{\circ} 40 ' \mathrm{~W}$ to $41^{\circ} 10^{\prime} \mathrm{N} / 67^{\circ} 40^{\prime} \mathrm{W}$ to |
| :---: | :---: |
|  | $41^{\circ} 10^{\prime} \mathrm{N} / 67^{\circ} 10^{\prime} \mathrm{W}$ to $41^{\circ} 00 \cdot \mathrm{~N} / 67^{\circ} 10 \mathrm{~W}$ to |
|  | $41^{\circ} 00 \cdot \mathrm{~N} / 67^{\circ} 00 \cdot \mathrm{~W}$ to $39^{\circ} 50^{\prime} \mathrm{N} / 67^{\circ} 00{ }^{\prime} \mathrm{W}$ to |
|  | $39^{\circ} 50^{\prime} \mathrm{N} / 66^{\circ} 50 ' \mathrm{~W}$ to $39^{\circ} 40^{\prime} \mathrm{N} / 66^{\circ} 50 \mathrm{~W}$ to |
|  | $39^{\circ} 40^{\prime} \mathrm{N} / 66^{\circ} 40$ ' W to $39^{\circ} 00^{\prime} \mathrm{N} / 66^{\circ} 40^{\prime} \mathrm{W}$ to |
|  | $39^{\circ} 00^{\prime} \mathrm{N} / 65^{\circ} 40^{\prime} \mathrm{W}$ to $410^{\circ} 50^{\prime} \mathrm{N} / 65^{\circ} 40^{\prime} \mathrm{W}$ to |
|  | $41^{\circ} 50^{\prime} \mathrm{N} / 67^{\circ} 40^{\prime} \mathrm{W}$ ENDAT |

## UNIT AREA 5ZN

starts $\quad 41^{\circ} 00^{\prime} N / 68^{\circ} 50^{\prime} W$ to $41^{\circ} 00^{\prime} N / 68^{\circ} 20^{\prime} W$ to $41^{\circ} 10^{\prime} \mathrm{N} / 68^{\circ} 20^{\prime} \mathrm{W}$ to $41^{\circ} 10^{\prime} \mathrm{N} / 68^{\circ} 10^{\prime} \mathrm{W}$ to $41^{\circ} 20^{\prime} \mathrm{N} / 68^{\circ} 10^{\prime} \mathrm{W}$ to $41^{\circ} 20^{\prime} \mathrm{N} / 67^{\circ} 40^{\prime} \mathrm{W}$ to $41^{\circ} 10^{\prime} \mathrm{N} / 67^{\circ} 40^{\prime} \mathrm{W}$ to $41^{\circ} 10^{\prime} \mathrm{N} / 67^{\circ} 10^{\prime} \mathrm{W}$ to $47^{\circ} 00^{\prime} \mathrm{N} / 67^{\circ} 10^{\prime} \mathrm{W}$ to $41^{\circ} 00^{\prime} \mathrm{N} / 67^{\circ} 00^{\prime} \mathrm{W}$ to $39^{\circ} 50^{\prime} \mathrm{N} / 67^{\circ} 00^{\prime} \mathrm{W}$ to $39^{\circ} 50^{\prime} \mathrm{N} / 66^{\circ} 50^{\prime} \mathrm{W}$ to $39^{\circ} 40^{\prime} \mathrm{N} / 66^{\circ} 50^{\prime} \mathrm{W}$ to $39^{\circ} 40^{\prime} \mathrm{N} / 66^{\circ} 40^{\prime} \mathrm{W}$ to $39^{\circ} 00^{\prime} \mathrm{N} / 66^{\circ} 40^{\prime} \mathrm{W}$ to $39^{\circ} 00^{\prime} \mathrm{N} / 68^{\circ} 50^{\prime} \mathrm{W}$ to $41^{\circ} 00^{\prime} \mathrm{N} / 68^{\circ} 50^{\prime} \mathrm{W}$ ENDAT

## UNIT AREA $5 Z 0$

starts $\quad 41^{\circ} 17^{\prime} \mathrm{N} / 70^{\circ} 10^{\prime} \mathrm{W}$ to $41^{\circ} 00^{\prime} \mathrm{N} / 70^{\circ} 10^{\prime} \mathrm{W}$ to $41^{\circ} 00^{\prime} \mathrm{N} / 70^{\circ} 30^{\prime} \mathrm{W}$ to $39^{\circ} 00^{\prime} \mathrm{N} / 70^{\circ} 30^{\prime} \mathrm{W}$ to $39^{\circ} 00^{\prime} \mathrm{N} / 68^{\circ} 50^{\prime} \mathrm{W}$ to $41^{\circ} 00^{\prime} \mathrm{N} / 68^{\circ} 50^{\prime} \mathrm{W}$ to $41^{\circ} 00^{\prime} \mathrm{N} / 69^{\circ} 30^{\prime} \mathrm{W}$ to $41^{\circ} 10^{\prime} \mathrm{N} / 69^{\circ} 30^{\prime} \mathrm{W}$ to $41^{\circ} 10^{\prime} \mathrm{N} / 69^{\circ} 50^{\prime} \mathrm{W}$ to $41^{\circ} 17^{\prime} \mathrm{N} / 69^{\circ} 30^{\prime} \mathrm{W}$ to $41^{\circ} 17^{\prime} \mathrm{N} / 70^{\circ} 00^{\prime} \mathrm{W}$ ENDAT

$$
-45-
$$

UNIT AREA 5ZQ
starts $\quad 41^{\circ} 20^{\prime} \mathrm{N} / 71^{\circ} 40^{\prime} \mathrm{W}$ to $39^{\circ} 00^{\prime} \mathrm{N} / 71^{\circ} 40^{\prime} \mathrm{W}$ to $39^{\circ} 00^{\prime} \mathrm{N} / 70^{\circ} 30^{\prime} \mathrm{W}$ to $41^{\circ} 00^{\prime} \mathrm{N} / 70^{\circ} 30^{\prime} \mathrm{W}$ to $41^{\circ} 00^{\prime} \mathrm{N} / 70^{\circ} 10^{\prime} \mathrm{W}$ to $41^{\circ} 17^{\prime} \mathrm{N} / 70^{\circ} 10^{\prime} \mathrm{W}$ to $41^{\circ} 17^{\prime} \mathrm{N} / 71^{\circ} 10^{\prime} \mathrm{W}$ to $41^{\circ} 27 \mathrm{~N} / 71^{\circ} 10^{\prime} \mathrm{W}$ ENDAT


An Equal Area Map of the ICNAF Convention Area.
P. O. Box 638

Dartmouth, Nova Scotia, Canada

# Boundaries of The Convention Area, <br> Of Its Subareas, And Of Their Divisions 

1964


#### Abstract

Boundaries of the Convention Area and of Subareas as defined in the "Convention" and in its "Annex" (Report of the First Annual Meeting 1951). Boundaries of Divisions as approved at the Third Annual Meeting: 1953, Seventh Annual Meeting 1957, Eighth Annual Meeting 1958.


A. The Convention Area:
"All waters, except territorial waters, bounded by a line beginning at a point on the coast of Rhode Island in $71^{\circ} 40^{\prime}$ west longitude; thence due south to $39^{\circ} 00^{\prime}$ north latitude; thence due east to $42^{\circ} 00^{\prime}$ west longitude; thence due north to $59^{\circ} 00^{\prime}$ north latitude; thence due west to $44^{\circ} 00^{\prime}$ west longitude; thence due north to the coast of Greenland; thence along the west coast of Greenland to $78^{\circ} 10^{\prime}$ north latitude; thence southward to a point in $75^{\circ} 00^{\prime}$ north latitude and $73^{\circ} 30^{\prime}$ west longitude; thence along a rhumb line to a point in $69^{\circ} 00^{\prime}$ north latitude and $59^{\circ} 00^{\prime}$ west longitude; thence due south to $61^{\circ} 00^{\prime}$ north latitude; thence due west to $64^{\circ} 30^{\circ}$ west longitude; thence due south to the coast of Labrador; thence in a southerly direction along the coast of Labrador to the southern terminus of its boundary with Quebec; thence in a westerly direction along the coast of Quebec, and in an easterly and southerly direction along the coasts of New Brunswick, Nova Scotia, and Cape Breton Island to Cabot Strait; thence along the coasts of Cape Breton Island, Nova Scotia, New Brunswick, Maine, New Hampshire, Massachusetts, and Rhode Island to the point of beginning.
B. The Subareas:

Subarea 1 - That portion of the Convention Area which lies to the north and east of a rhumb line from a point in $75^{\circ} 00^{\prime}$ north latitude and $73^{\circ} 30^{\prime}$ west longitude to a point in $69^{\circ} 00^{\prime}$ north latitude and $59^{\circ} 00^{\prime}$ west longitude; east of $59^{\circ} 00^{\prime}$ west longitude; and to the north and east of a rhumb line from a point in $61^{\circ} 00^{\prime}$ north latitude and $59^{\circ} 00^{\circ}$ west longitude to a point in $52^{\circ} 15^{\prime}$ north latitude and $42^{\circ} 00^{\circ}$ west longitude.

Subarea 2 - That portion of the Convention Area lying to the south and west of Subarea 1 defined above and to the north of the parallel of $52^{\circ} 15^{\text {, }}$ north latitude.

Subarea 3 - That portion of the Convention Area lying south of the parallel of $52^{\circ} 15^{\prime}$ north latitude; and to the east of a line extending due north from Cape Bauld to the north coast of Newfoundland to $52^{\circ} 15^{\text {* }}$ north latitude; to the north of the parallel of $39^{\circ} 00^{\prime}$ north latitude; and to the east and north of a rhumb line extending in a northwesterly direction which passes through a point in $43^{\circ} 30^{\prime}$ north latitude, $55^{\circ} 00^{\prime}$ west longitude, in the direction of a point in $47^{\circ} 50^{\prime}$ north latitude, $60^{\circ} 00^{\prime}$ west longitude, until it intersects a straight line connecting Cape Ray, on the coast of Newfoundland, with Cape North on Cape Breton Island; thence in a northeasterly direction along said line to Cape Ray.

Subarea 4 - That portion of the Convention area lying to the west of Subarea 3 defined above, and to the east of a line described as follows: Beginning at the terminus of the international boundary between the United States of America: and Canada in Grand Manan Channel, at a point in $44^{\circ} 46^{\prime} 35.34^{\prime \prime}$ north latitude, $66^{\circ} 54^{\circ} 11.23^{\prime \prime}$ west longitude; thence due

## B. The Subareas (cont'd):

south to the parallel of $43^{\circ} 50^{\prime}$ north latitude; thence due west to the meridian of $67^{\circ} 40^{\circ}$ west longitude; thence due south to the parallel of $42^{\circ} 20^{\circ}$ north latitude; thence due east to a point in $66^{\circ} 00^{\prime \prime}$ west longitude; thence along a rhumb ine in a southeasterly direction to a point in $42^{\circ} 00^{\prime}$ north latitude, $65^{\circ} 40^{\prime}$ west longitude; thence due south to the parallel of $39^{\circ} 00^{\prime}$ north latitude.

Subarea 5 - That portion of the Convention Area lying west of the western boundary of Subarea 4 defined above.

## C. The Divisions:

## Of Subarea 1:

1A. That portion of the subarea lying north of the parallel of $68^{\circ} 50^{\circ} \cdot \mathrm{N}$. Lat. (Christianshab).

1B. That portion of the subarea lying between the parallel of $66^{\circ} 15^{*} N$. Lat. ( $5 \mathrm{n} . \mathrm{m}$. north of Umanarsugssuak) and the parallel of $68^{\circ} 50^{\circ} \mathrm{N}$. Lat. (Christianshab).

1C. That portion of the subarea lying between the parallel of $64^{\circ} 15^{\%} \mathrm{~N}$. Lat. ( $4 \mathrm{n}, \mathrm{m}$. north of Godthib) and the parallel of $66^{\circ} 15^{\prime}$ N. Lat. ( $5 \mathrm{n} . \mathrm{m}$. north of Umanarsugssuak).

1D. That portion of the subarea lying between the parallel of $62^{\circ} 30^{\circ} \mathrm{N}$. Lat. (FrederikshQb Glacier) and the parallel of $64^{\circ} 15^{\prime}$ N. Lat. ( 4 n.m. north of Godthib).

1E. That portion of the subarea lying between the parallel of $60^{\circ} 45^{\circ} \mathrm{N}$. Lat. (Cape Desolation) and the parallel of $62^{\circ} 30^{\prime} \mathrm{N}$. Lat. (Frederikshib Glacier).

1F. That portion of the subarea lying south of the parallel of $60^{\circ} 45^{\prime}$ N. Lat. (Cape Desolation).

## Of Subarea 2:

2G. That portion of the subarea lying north of the parallel of $57^{\circ} 40_{4}^{: N}$ Lat. (Cape Mugford):
$2 H$. That portion of the subarea lying between the parallel of $55^{\circ} 20^{\circ} \mathrm{N}$. Lat. (Hopedale) and the parallel of $57^{\circ} 40^{\prime} \mathrm{N}$. Lat. (Cape Mugford).

2J. That portion of the subarea lying south of the parallel of $55^{\circ} 20^{\prime} N$. Lat. (Hopedale).

## Of Subarea 3:

3K. That portion of the subarea lying north of the parallel of $49^{\circ} 15^{*} \mathrm{~N}$. Lat. (Cape Freels, Nfld.).

3L. That portion of the subarea lying between the Newfoundland coast from Cape Freels to Cape St. Mary and a line described as follows: Beginning at Cape Freels, thence due east to the meridian of $46^{\circ} 30^{\prime} \mathrm{W}$. Long., thence due south to the parallel of $46^{\circ} 00^{\prime}$ N. Lat., thence due west to the meridian of $54^{\circ} 30^{*}$ W. Long., thence along a rhumb line to Cape St. Mary, Nfld.

3M. That portion of the subarea lying south of the parallel of $49^{\circ} 15^{*} N$. Lat. and east of the meridian of $46^{\circ} 30^{\prime}$ W. Long.

## C. The Divisions:

## Of Subarea 3 (cont ${ }^{\text {d }}$ ):

3 N . That portion of the subarea lying south of the parallel of $46^{\circ} 00^{\prime} \mathrm{N}$. Lat, and between the meridian of $46^{\circ} 30^{\circ}$ W. Long. and the meridian of $51^{\circ} 00^{\prime}$ W. Long.
30. That portion of the subarea lying south of the parallel of $46^{\circ} 00^{\prime} \mathrm{N}$. Lat, and between the meridian of $51^{\circ} 00^{\prime} \mathrm{W}$. Long. and the meridian of $54^{\circ} 30^{\prime}$ W. Long.

3P. That portion of the subarea lying south of the Newfoundland coast and west of a line from Cape St. Mary, Nfld. to a point in $46^{\circ} 00^{\prime} \mathrm{N}$. Lat., $54^{\circ} 30^{\circ}$ W. Long, thence due south until the boundary between subareas 3 and 4.

Division 3P should be divided into two portions: a northwestern and a southeastern portion, defined as follows:

3Pn. Northwestern portion - that portion of Division 3P lying northwest of a line extending from Burgeo Island, Newfoundland, approximately southwest to a point $46^{\circ} 50^{\prime}$ Lat. North and $58^{\circ} 50^{\circ}$ Long. West.

3Ps. Southeastern portion - that portion of Division 3P lying southeast of the line defined for $3 P n$.

## Of Subarea 4:

4R. That portion of the subarea lying between the coast of Newfoundland from Cape Bauld to Cape Ray and a line described as follows: Beginning at Cape Bauld, thence due north to the parallel of $52^{\circ} 15^{\prime}$ N. Lat., thence due west to the Labrador coast, thence along the Labrador coast to the terminus of the Labrador-Quebec boundary, thence along a rhumb line in a southwesterly direction to a point in $49^{\circ} 25^{\circ}$ N. Lat., $60^{\circ} 00^{\prime}$ W. Long., thence due south to a point in $47^{\circ} 50^{\circ}$ N. Lat., $60^{\circ} 00^{\prime}$ W. Long., thence along a rhumb line in a southeasterly direction to the intersection of a straight line between Cape North, N. S. and Cape Ray, Nfld., thence to Cape Ray, Nfld.

4S. That portion of the subarea lying between the south coast of the province Quebec from the terminus of the Labrador-Quebec boundary to Pte. des Monts and a line described as follows: Beginning at Pte. des Monts, thence due east to a point in $49^{\circ} 25^{\prime} \mathrm{N}$. Lat., $64^{\circ} 40^{\prime}$ W. Long., thence along a rhumb line in an eastsoutheasterly direction to a point in $47^{\circ} 50^{\circ} \mathrm{N}$. Lat., $60^{\circ} 00^{\prime} \mathrm{W}$. Long., thence due north to a point in $49^{\circ} 25^{\circ} \mathrm{N}$. Lat., $60^{\circ} 00^{\circ} \mathrm{W}$. Long., thence along a rhumb line in a northeasterly direction to the terminus of the Labrador-Quebec boundary.

4T. That portion of the subarea lying between the coasts of Nova Scotia, New Brunswick and Quebec from Cape North to Pte. des Monts and a line described as follows: Beginning at Pte. des Monts, thence due east to a point in $49^{\circ} 25^{\prime}$ N. Lat., $64^{\circ} 40^{\prime}$ W. Long., thence along a rhumb line in an eastsoutheasterly direction to a point in $47^{\circ} 50^{\circ}$ N. Lat., $60^{\circ} 00^{\prime}$ W. Long., thence along a rhumb line in a southerly direction to Cape North, N. S.

4V. That portion of the subarea lying between the coast of Nova Scotia between Cape North and Fourchu and a line described as follows: Beginning at Fourchu, thence along a rhumb line in a southerly direction to a point in $45^{\circ} 40^{\prime}$ N. Lat., $60^{\circ} 00^{\circ}$ W. Long., thence due south along the meridian of $60^{\circ} 00^{\prime}$ W. Long., to the parallel of $44^{\circ} 10^{\prime}$ N. Lat., thence due east to the meridian of $59^{\circ} 00$ ' W. Long., thence due south to the parallel of $39^{\circ} 00^{\prime}$ N. Lat., thence due east to a point where the boundary between

## C. The Divisions:

## Of Subarea 4 (cont ${ }^{\text {P }}$ ) :


#### Abstract

4V. (cont'd) the Subareas 3 and 4 meets the parallel of $39^{\circ} 00^{\prime}$ N. Lat., thence along the boundary between Subareas 3 and 4 and a line continuing in a northwesterly direction to a point in $470^{\circ} 50^{\prime} \mathrm{N}$, Lat., $60^{\circ} 00^{\prime} \mathrm{N}$. Long., thence along a rhumb line in a southerly direction to Cape North, N. S.

Division $4 V$ should be divided into two portions: a northern and a southern portion, defined as follows: $4 V n$. Northern portion - that portion of Division $4 V$ lying north of parallel $45^{\circ} 40^{\prime}$ North.

4Vs. Southern portion - that portion of Division $4 V$ lying south of parallel 45040' North.

4W. That portion of the subarea lying between the coast of Nova Scotia between Halifax and Fourchu and a line described as follows: Beginning at Fourchu, thence along a rhumb line in a southerly direction to a point in $45^{\circ} 40^{\prime}$ N. Lat., $60^{\circ} 00^{\prime}$ W. Long., thence due south along the meridian of $60^{\circ} 00^{\prime} \mathrm{W}$. Long., to the parallel of $44^{\circ} 10^{\prime} \mathrm{N}$. Lat., thence due east to the meridian of $59^{\circ} 00^{\prime} \mathrm{W}$. Long., thence due south to the parallel of $39^{\circ} 00^{\circ}$ N. Lat., thence due west to the meridian of $63^{\circ} 20^{\prime}$ W. Long., thence due north to a point on that meridian in $44^{\circ} 20^{\prime}$ N. Lat., thence along a rhumb line in a northwesterly direction to Halifax, N. S.

4X. That portion of the subarea lying between the boundary of Subareas 4 and 5 and the coasts of New Brunswick and Nova Scotia. from the terminus of the boundary between New Brunswick and Maine to Halifax, and a line described as follows: Beginning at Halifax, thence along a rhumb line in a southeasterly direction to a point in $44^{\circ} 20^{\circ} \mathrm{N}$. Lat., $63^{\circ} 20^{\circ} \mathrm{W}$. Long., thence due south to the parallel of $39^{\circ} 00^{\prime}$ N. Lat., thence due west to the meridian of $65^{\circ} 40^{\circ}$ W. Long.

\section*{Of Subarea 5:}

5Y. That portion of the subarea lying between the coasts of Maine, New Hampshire, and Massachusetts from the border between Maine and New Brunswick to $70^{\circ}$ W. longitude on Cape Cod (at approximately 420 north latitude) and a line described as follows: Beginning at a point on Cape Cod at $70^{\circ} \mathrm{W}$. longitude (at approximately $42^{\circ}$ north latitude) thence due north to latitude $42^{\circ} 20^{\prime}$ north, thence due east to longitude $67^{\circ} 40^{\prime}$ west at the boundary of Subareas 4 and 5 , thence along the boundary to the boundary of Maine and New Brunswick.

5Z. That portion of the subarea lying to the south and east of Subdivision 5Y.


July, 1964

10LO
subdect
Chart No. 6610-L shoving Statistical Unit Areas

This chart was distributed to ricid personnel in August 1968 to aid them in referring variowe data to Unit Arcas.

The original Statistical Areas mere set up by the North American Council on Fishery Investigation in 1943. When ICNAF set up their Subareas and Divisions some of their boundaries did not coincide with those oi the originai Statistical Areas. At about this time the St. Andrews Groundfish Investigation modified the Unit Area boundaries to coincide with those of the ICNAF Divisions. The charts drawn up in August 1968 are erroneous in showing the unnodified Areas set up in 1943. The following corrections should be made:

1. That part of $4 X-N$ which is in 4 whould be included as part of $4 W-K$.
2. The latitudinal line dividing $4 X-M$ and $N$ should be extended east to meet the $4 X-4 W$ boundary line and
J that part of $4 \mathrm{~W}-$ I which extends into $4 X$ should be designated 4 X - M if it lies to the north of the $M-N$ boundary and $4 X-N$ if it lies to the south.
3. The $4 X-F_{-}-5 Z-J$ boundary should not be stepped
but should be represented by $a$ diagonal line.
4. The $4 X-R, 4 X-S, 5 Y, B$ boundary should run due south from $44^{\circ} 46: 36^{\prime \prime} \mathrm{N}, 66^{\circ} 5 \mathrm{~F}^{\circ} 11^{\prime \prime} \mathrm{W}$ to meet the latitudinal line at $430.50: 11$.
V. The line dividing $4 X-R$ and $4 X-S$ should run from $44^{\circ} 16^{\prime} \mathrm{N}, 66^{\circ} 54111^{\mathrm{N}} \mathrm{W}$ in the south to $45^{\circ}, 20^{\prime} \mathrm{N}$, 64.561 W in the north of the Eay of Fundy.

You will note that the line dividing $4 X-R$ and $I_{4}-S$ on the Alugust 1968 chart is wrong cven in terms of the 1943 Statistical Areas. It has been drawn in from $44^{\circ} 10^{\prime} \mathrm{N}$ instead of $44^{\circ} 20^{\prime} \mathrm{N}$.
6. The jatitudinal line dividing $4 V-B$ and $C$ should be extended westward to mect the $4 V . .4 W$ boundary Jine and that pari of $4 \mathrm{~W}-\mathrm{D}$ which extends into iV should be designated $4 V-B$ if it lies to tho north of the $B \ldots C$ boundary and $4 V-C$ if it lies to the south.

It is unlikely that any of these ercors, with the possible exception of that in the $4 \mathrm{X}-\mathrm{H}, \mathrm{S}$ boundary, vill have had any significant affect on our statistics collection. However, please give us an estinate of the affect of these errors on the data you have collectad over the past year.

Most confusion has occurred over the $4 \mathrm{X}-\mathrm{R}, \mathrm{S}$ and $5 Y-B$ boundaries, and the definition of them given here is different from any so far used. The revisions which occurred after the ICNAF boundaries were set up apparently slipped into use among some people and not others. No deffinite decision seems to have been made at any tine regarding revisions.

This meno will be put on file and considered as a formal revision of Unit Areas to conform with ICNAF Division boundaries.


Bedford Institute of Oceanography
Serial No. 1428
P. O. Box 638

Dartmouth, Nova Scotia, Canada

# Boundaries Of The Convention Area, 

Of Its Subareas, And Of Their Divisions

Boundaries of the Convention Area and of Subareas as defined in the "Convention" and in its "Annex" (Report of the First Annual Meeting 1951). Boundaries of Divisions as approved at the Third Annual Meeting 1953, Seventh Annual Meeting 1957, Eighth Annual Meeting 1958.
A. The Convention Area:
"All waters, except territorial waters, bounded by a line beginning at a point on the coast of Rhode Island in $71^{\circ} 40^{\prime}$ west longitude; thence due south to $390^{\circ} 00^{\prime}$ north latitude; thence due east to $42^{\circ} 00^{\circ}$ west longitude; thence due north to $59^{\circ} 00^{\prime}$ north latitude; thence due west to $44^{\circ} 00^{\prime}$ west longitude; thence due north to the coast of Greenland; thence along the west coast of Greenland to $78^{\circ} 10^{\circ}$ north latitude; thence southward to a point in $75^{\circ} 00^{\prime}$ north latitude and $73^{\circ} 30^{\prime}$ west longitude; thence along a rhumb line to a point in $69^{\circ} 00^{\prime}$ north latitude and $59^{\circ} 00^{\prime}$ west longitude; thence due south to $61^{\circ} 00^{*}$ north latitude; thence due west to $64^{\circ} 30^{\prime}$ west longitude; thence due south to the coast of Labrador; thence in a southerly direction along the coast of Labrador to the southern terminus of its boundary with Quebec; thence in a westerly direction along the coast of Quebec, and in an easterly and southerly direction along the coasts of New Brunswick, Nova Scotia, and Cape Breton Island to Cabot Strait; thence along the coasts of Cape Breton Island, Nova Scotia, New Brunswick, Maine, New Hampshire, Massachusetts, and Rhode Island to the point of beginning.
B. The Subareas:

Subarea 1 - That portion of the Convention Area which lies to the north and east of a rhumb line from a point in $75^{\circ} 00^{\prime}$ north latitude and $73^{\circ} 30^{\prime}$ west longitude to a point in $69^{\circ} 00^{\prime}$ north latitude and $59^{\circ} 00^{\prime}$ west longitude; east of $59^{\circ} 00^{*}$ west longitude; and to the north and east of a rhumb line from a point in $61^{\circ} 00^{\prime \prime}$ north latitude and $59^{\circ} 00^{\prime}$ west longitude to a point in $52^{\circ} 1^{\prime}$ north latitude and $42^{\circ} 00^{\circ}$ west longitude.

Subarea 2 - That portion of the Convention Area lying to the south and " west of Subarea 1 defined above and to the north of the parallel of $52^{\circ} 15^{\prime}$ north latitude.

Subarea 3 - That portion of the Convention Area lying south of the parallel of $52^{\circ} 15^{\prime}$ north latitude; and to the east of a line extending due north from Cape Bauld to the north coast of Newfoundland to 52015* north latitude; to the north of the parallel of $39^{\circ} 00^{\prime}$ north latitude; and to the east and north of a rhumb line extending in a northwesterly direction which passes through a point in $43^{\circ} 30^{\prime}$ north latitude, $55^{\circ} 00^{\prime}$ west longitude, in the direction of a point in $47^{\circ} 50^{\prime}$ north latitude, $60^{\circ} 00^{\prime}$ west longitude, until it intersects a straight line connecting Cape Ray, on the coast of Newfoundland, with Cape North on Cape Breton Island; thence in a northeasterly direction along said line to Cape Ray.

Subarea 4 - That portion of the Convention area lying to the west of Subarea 3 defined above, and to the east of a line described as follows: Beginning at the terminus of the international boundary between the United States of America: and Canada in Grand Manan Channel, at a point in $44^{\circ} 46^{\prime} 35.34^{\prime \prime}$ north latitude, $66^{\circ} 54^{\prime} 11.23^{\prime \prime}$ west longitude; thence due
B. The Subareas (cont'd):
south to the parallel of 43050' north latitude; thence due west to the meridian of $67^{\circ} 40^{*}$ west longitude; thence due south to the parallel of $42^{\circ} 20^{\prime}$ north latitude; thence due east to a point in $66^{\circ} 00^{*}$ west longitude; thence along a rhumb line in a southeasterly direction to a point in $42^{\circ} 00^{\circ}$ north latitude, $65^{\circ} 40^{\prime}$ west longitude; thence due south to the parallel of $39^{\circ} 00^{\prime}$ north latitude.

Subarea 5 - That portion of the Convention Area lying west of the western boundary of Subarea 4 defined above.
C. The Divisions:

Of Subarea 1:
1A. That portion of the subarea lying north of the parallel of $68^{\circ} 50^{*}, N$. Lat. (Christianshab).

1B. That portion of the subarea lying between the parallel of $66^{\circ} 15^{*} \mathrm{~N}$. Lat. ( $5 \mathrm{n} . \mathrm{m}$. north of Umanarsugssuak) and the parallell of $68^{\circ} 50^{\prime} \mathrm{N}$. Lat. (Christianshåb).

1C. That portion of the subarea lying between the parallel of $64^{\circ} 15^{\circ} / \mathrm{N}$ Lat. ( $4 \mathrm{n} . \mathrm{m}$. north of Godthlb) and the parallel of $66^{\circ} 1^{2}$ N. Lat. ( $5 \mathrm{n} . \mathrm{m}$. north of Umanarsugssuak).

1D. That portion of the subarea lying between the parallel of $62^{\circ} 30^{*} \mathrm{~N}$ Lat. (Frederikshib Glacier) and the parallel of $64^{\circ} 15^{\prime} \mathrm{N}$. Lat. ( $4 \mathrm{n} . \mathrm{m}$. north of Godtigb) .

1E. That portion of the subarea lying between the parallel of $60^{\circ} 45^{\circ} \mathrm{N}$. Lat. (Cape Desolation) and the parallel of $62^{\circ} 30^{*} \mathrm{~N}$. Lat. (Frederikshab Glacier).

1F. That portion of the subarea lying south of the parallel of $60^{\circ} 45^{\circ} \mathrm{N}$. Lat. (Cape Desolation).

Of Subarea 2:
2G. That portion of the subarea lying north of the parallel of $57^{\circ} 40^{*} \mathrm{~N}$. Lat. (Cape Mugford)

2 H . That portion of the subarea lying between the parallel of $55^{\circ} 20^{*} \mathrm{~N}$. Lat. (Hopedale) and the parallel of $57^{\circ} 40^{\prime} \mathrm{N}$. Lat. (Cape Mugford).

2J. That portion of the subarea lying south of the parallel of $55^{\circ} 20^{*} \mathrm{~N}$. Lat. (Hopedale).

Of Subarea 3:
3 K . That portion of the subarea lying north of the parallel of $49^{\circ} 15^{*} \mathrm{~N}$. Lat. (Cape Freels, Nfld.).

3L. That portion of the subarea lying between the Newfoundland coast from Cape Freels to Cape St. Mary and a line described as follows: Beginning at Cape Freels, thence due east to the meridian of $46^{\circ} 30^{*} \mathrm{~W}$. Long., thence due south to the parallel of $46^{\circ} 00^{*} \mathrm{~N}$. Lat., thence due west to the meridian of $54^{\circ} 30^{*}$ W. Long., thence along a rhumb line to Cape St. Mary, Nfld.

3M. That portion of the subarea lying south of the parallel of $49^{\circ} 15^{*} \mathrm{~N}$. Lat. and east of the meridian of $46^{\circ} 30^{*}$ W. Long.
$\qquad$
C. The Divisions:

## Of Subarea 3 (cont ${ }^{\text {d }}$ ):

$3 N$. That portion of the subarea lying south of the parallel of $46^{\circ} 00^{*} N$. Lat. and between the meridian of $46^{\circ} 30^{*} \mathrm{~W}$. Long. and the meridian of $51^{\circ} 00^{*}$ W. Long
30. That portion of the subarea lying south of the parallel of $46^{\circ} 00^{*} \mathrm{~N}$. Lat, and between the meridian of $51^{\circ} 00^{\circ} \mathrm{W}$. Long. and the meridian of $54^{\circ} 30^{*}$ W. Long

3P. That portion of the subarea lying south of the Newfoundland coast and west of a line from Cape St. Mary, Nfld. to a point in $46^{\circ} 00^{\prime} \mathrm{N}$. Lat., $54^{\circ} 30^{\prime}$ W. Long, thence due south until the boundary between Subareas 3 and 4 .

Division 3P should be divided into two portions: a northwestern and a southeastern portion, defined as follows:

3Pn. Northwestern portion - that portion of Division 3P lying northwest of a line extending from Burgeo Island, Newfoundland, approximately southwest to a point $46^{\circ} 50^{\circ}$ Lat. North and $58^{\circ} 50^{\circ}$ Long. West.

3Ps. Southeastern portion - that portion of Division 3P lying southeast of the line defined for $3 P n$.

## Of Subarea 4

4R. That portion of the subarea lying between the coast of Newfoundland from Cape Bauld to Cape Ray and a line described as follows: Beginning at Cape Bauld, thence due north to the parallel of $52^{\circ} 15^{*}$ N. Lat., thence due west to the Labrador coast, thence along the Labrador coast to the terminus of the Labrador-Quebec boundary, thence along a rhumb ine in a southwesterly direction to a point in $49^{\circ} 25^{\prime}$ N. Lat., $60^{\circ} 00$ N. Long., thence due south to a point in $47^{\circ} 50^{\prime}$ N. Lat., $60^{\circ} 00^{*}$ W. Long., thence along a rhumb line in a southeasterly direction to the intersection of a straight line between Cape North, N. S. and Cape Ray, Nfld., thence to Cape Ray, Nfld.

4S. That portion of the subarea lying between the south coast of the province Quebec from the terminus of the Labrador-Quebec boundary to Pte. des Monts and a line described as follows: Beginning at pte. des Monts, thence due east to a point in $49^{\circ} 25^{\circ}$ N. Lat., $64^{\circ} 40^{\prime}$ W. Long., thence along a rhumb line in an eastsoutheasterly direction to a point in $47^{\circ} 50^{\circ}$ N. Lat., $60^{\circ} 00^{*} \mathrm{~W}$. Long., thence due north to a point in $49^{\circ} 25^{\circ} \mathrm{N}$. Lat. , $60^{\circ} 00^{\circ} \mathrm{W}$. Long., thence along a rhumb line in a northeasterly direction to the terminus of the Labrador-Quebec boundary.

4T. That portion of the subarea lying between the coasts of Nova Scotia, New Brunswick and Quebec from Cape North to Pte. des Monts and a line described as follows: Beginning at Pte. des Monts, thence due east to a point in $49^{\circ} 25^{*}$ N. Lat., $64^{\circ} 40^{\prime}$ W. Long., thence along a rhumb line in an eastsoutheasterly direction to a point in $47^{\circ} 50^{*}$ N. Lat., $60^{\circ} 00^{*}$ W. Long., thence along a rhumb line in a southerly direction to Cape North, N. S.

4V. That portion of the subarea lying between the coast of Nova Scotia between Cape North and Fourchu and a line described as follows: Beginning at Fourchu, thence along a rhumb line in a southerly direction to a point in $45^{\circ} 40^{\prime}$ N. Lat., $60^{\circ} 00^{\prime}$ W. Long., thence due south along the meridian of $60^{\circ} 00^{\prime} \mathrm{W}$. Long., to the parallel of $44^{\circ} 10^{*} \mathrm{~N}$. Lat., thence due east to the meridian of $59^{\circ} \mathrm{eO}$ : W. Long., thence due south to the parallel of $39^{\circ} 00^{\prime}$ N. Lat., thence due east to a point where the boundary between
$\qquad$
C. The Divisions:

## Of Subarea 4 (cont ${ }^{*}$ d):

4V. (cont'd)
the Subareas 3 and 4 meets the parallel of $39^{\circ} 00^{\prime} \mathrm{N}$. Lat., thence along the boundary between Subareas 3 and 4 and a line continuing in a northwesterly direction to a point in $47^{\circ} 50^{\circ} \mathrm{N}$. Lat., $60^{\circ} 00^{\circ} \mathrm{N}$. Long., thence along a rhumb line in a southerly direction to Cape North, N. S.

Division 4 V should be divided into two portions: a northern and a southern portion, defined as follows:

4Vn. Northern portion - that portion of Division 4V lying north of parallel $45^{\circ} 40^{\prime}$ North.

4Vs. Southern portion - that portion of Division 4V lying south of parallel $45^{\circ} 40^{\prime}$ North.

4W. That portion of the subarea lying between the coast of Nova Scotia between Halifax and Fourchu and a line described as follows: Beginning at Fourchu, thence along a rhumb line in a southerly direction to a point in $45^{\circ} 40^{\prime}$ N. Lat., $60^{\circ} 00^{\circ} \mathrm{W}$. Long., thence due south along the meridian of $60^{\circ} 00^{\circ}$ W. Long., to the parallel of $44^{\circ} 10^{\circ} \mathrm{N}$. Lat., thence due east to the meridian of $59^{\circ} 00^{\prime}$ W. Long., thence due south to the parallel of $39^{\circ} 00^{\prime} \mathrm{N}$. Lat., thence due west to the meridian of $63^{\circ} 20^{\prime} \mathrm{W}$. Long., thence due north to a point on that meridian in $44^{\circ} 20^{\circ}$ N. Lat., thence along a rhumb line in a northwesterly direction to Halifax, N. S.

4 X . That portion of the subarea lying between the boundary of Subareas 4 and 5 and the coasts of New Brunswick and Nova Scotia from the terminus of the boundary between New Brunswick and Maine to Halifax, and a line described as follows: Beginning at Halifax, thence along a rhumb line in a southeasterly direction to a point in $44^{\circ} 20^{\circ} \mathrm{N}$. Lat., $63^{\circ} 20^{\circ} \mathrm{W}$. Long., thence due south to the parallel of $39^{\circ} 00^{\circ}$ N. Lat., thence due west to the meridian of $65^{\circ} 40^{*} \mathrm{~W}$. Long.

## Of Subarea 5:

5Y. That portion of the subarea lying between the coasts of Maine, New Hampshire, and Massachusetts from the border between Maine and New Brunswick to $70^{\circ} \mathrm{W}$. longitude on Cape Cod (at approximately 420 north latitude) and a line described as follows: Beginning at a point on Cape Cod at $70^{\circ}$ W. longitude (at approximately $42^{\circ}$ north latitude) thence due north to latitude $42^{\circ} 20^{\prime}$ north, thence due east to longitude $67^{\circ} 40^{\prime}$ west at the boundary of Subareas 4 and 5 , thence along the boundary to the boundary of Maine and New Brunswick.

5Z. That portion of the subarea lying to the south and east of Subdivision 5 Y.

July, 1964
$s c-1 /-\varepsilon$

