

AAC/RCC NUMBERED GRID SYSTEM



FOR USE IN SEARCH PLANNING

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS ALASKAN AIR COMMAND
ELMENDORF AIR FORCE BASE, ALASKA 99506



REPLY TO
ATTN OF:

DO (Maj Newman, 752-4084)

SUBJECT:

Numbered Grid System for Search Area Designation

TO:

All Search Forces

1. The numbered grid system for search area assignment has been established for use in the Alaskan Theater. This system provides a standard systematic method of assigning search areas, provides close coordination between participating units, and simplifies record tabulation at the close of search operations.

2. This search area assignment book is to be maintained in all military and CAP corporate aircraft in Alaska to aid in determining and assigning search areas. NOTE: THIS BOOK IS NOT, REPEAT, NOT TO BE USED FOR NAVIGATIONAL PURPOSES:

3. Procedures:

a. Numbered Grid System: The numbered grid system in use in the Alaskan Theater was established originally utilizing the "World Aeronautical Chart" (WAC). The grid system divides the Alaskan mainland, a portion of the Aleutian Chain, and Southeast Alaska into 15 major areas corresponding to the 15 WAC coverage of the same area. The 15 areas will be numbered using Roman Numerals beginning with numeral I in the northwest corner of the state, and numbered consecutively left to right, to numeral XV in southeastern AK (See attachment 1). This system can be adapted to any navigational chart having latitude and longitude depicted.

b. Grid Construction: Each of the fifteen areas is overlaid with a grid aligned with each 30 minutes of latitude and each degree of longitude. Starting in the northwest corner of each area the grid overlay is numbered one, two, etc from left to right consecutively to the southeast corner of each area. (See attachments 2 thru 16). Each numbered grid square is broken down into four smaller quadrants containing 15 minutes of latitude by 30 minutes of longitude. The northwest quadrant is "A", the northeast is "B", the southwest is "C", and the southeast is "D".

c. Application: To construct the grid on any navigational chart, sectional, TPC etc., first determine where the corners of the respective area would fall on the chart in use. Annotate the search chart with the corresponding grid. When a search extends beyond an area annotate adjacent areas as demonstrated in Attachment 17.

d. Following are the corners of each numbered area:

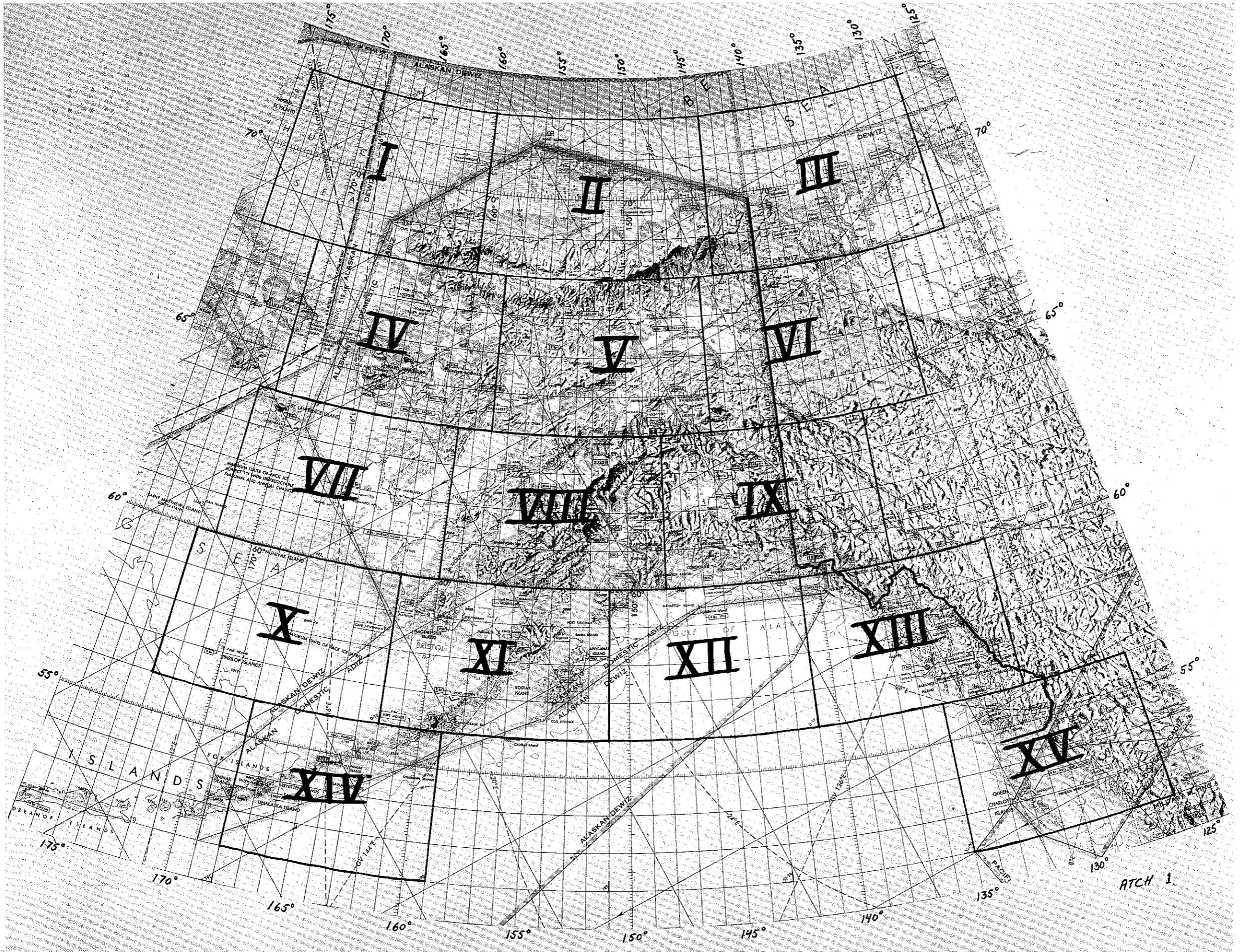
I.	72N-175W	72N-160W	68N-160W	68N-175W
II.	72N-160W	72N-144W	68N-144W	68N-160W
III.	72N-144W	72N-128W	68N-128W	68N-144W
IV.	68N-171W	68N-158W	64N-158W	64N-171W
V.	68N-158W	68N-145W	64N-145W	64N-158W
VI.	68N-145W	68N-132W	64N-132W	64N-145W
VII.	64N-172W	64N-160W	60N-160W	60N-172W
VIII.	64N-160W	64N-148W	60N-148W	60N-160W
IX.	64N-148W	64N-136W	60N-136W	60N-148W
X.	60N-173W	60N-162W	56N-162W	56N-173W
XI.	60N-162W	60N-151W	56N-151W	56N-162W
XII.	60N-151W	60N-141W	56N-141W	56N-151W
XIII.	60N-141W	60N-131W	56N-131W	56N-141W
XIV.	56N-168W	56N-159W	52N-159W	52N-168W
XV.	56N-135W	56N-126W	52N-126W	52N-135W

4. Search Area Assignments:

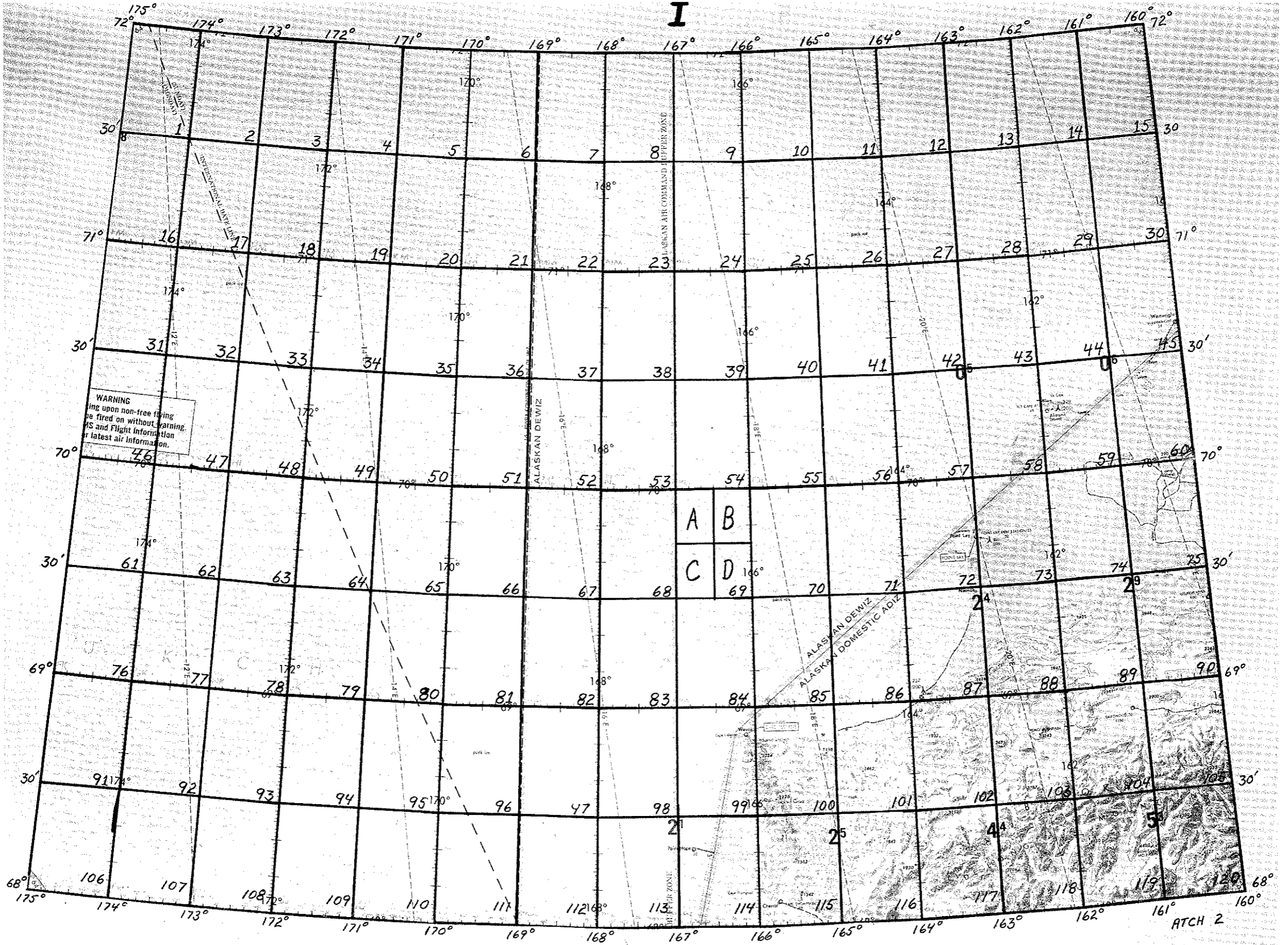
Search area assignment will be assigned to individual search aircraft in the following manner. EXAMPLE: CAP 12345, search area XIII (roman numeral thirteen), block 65 Delta. Utilizing the McGrath sectional this block would represent a 15 mile square area bounded by coordinates 6115N 15530W, 6115N 155W, 61N 155W, 61N 15530W.

Thomas R. Lalime
THOMAS RALPH LALIME, Colonel, USAF
Assistant DCS/Operations

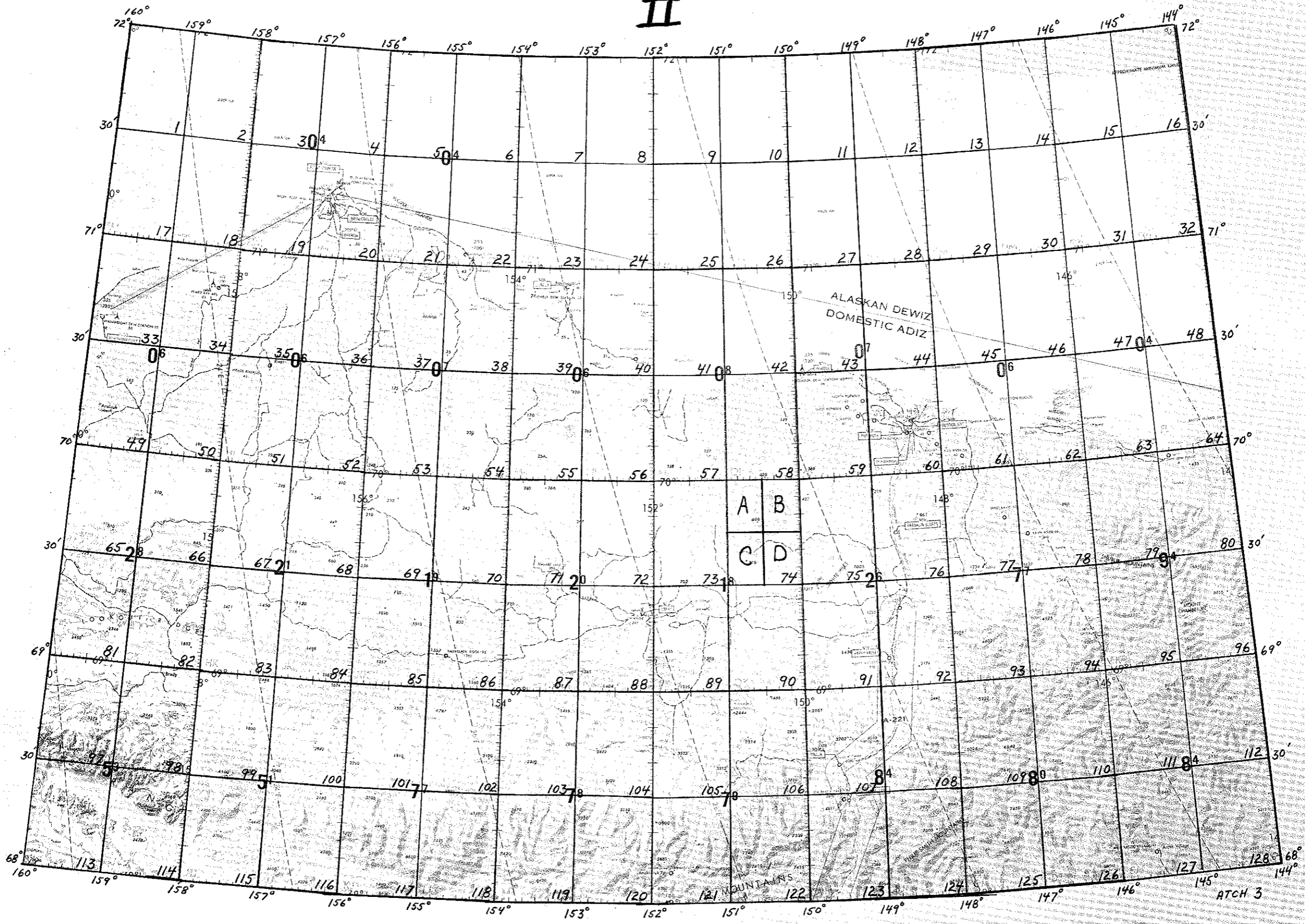
17 Atch
1. Alaska Map
2-16. Individual Grid Maps
17. Sample Mission Chart



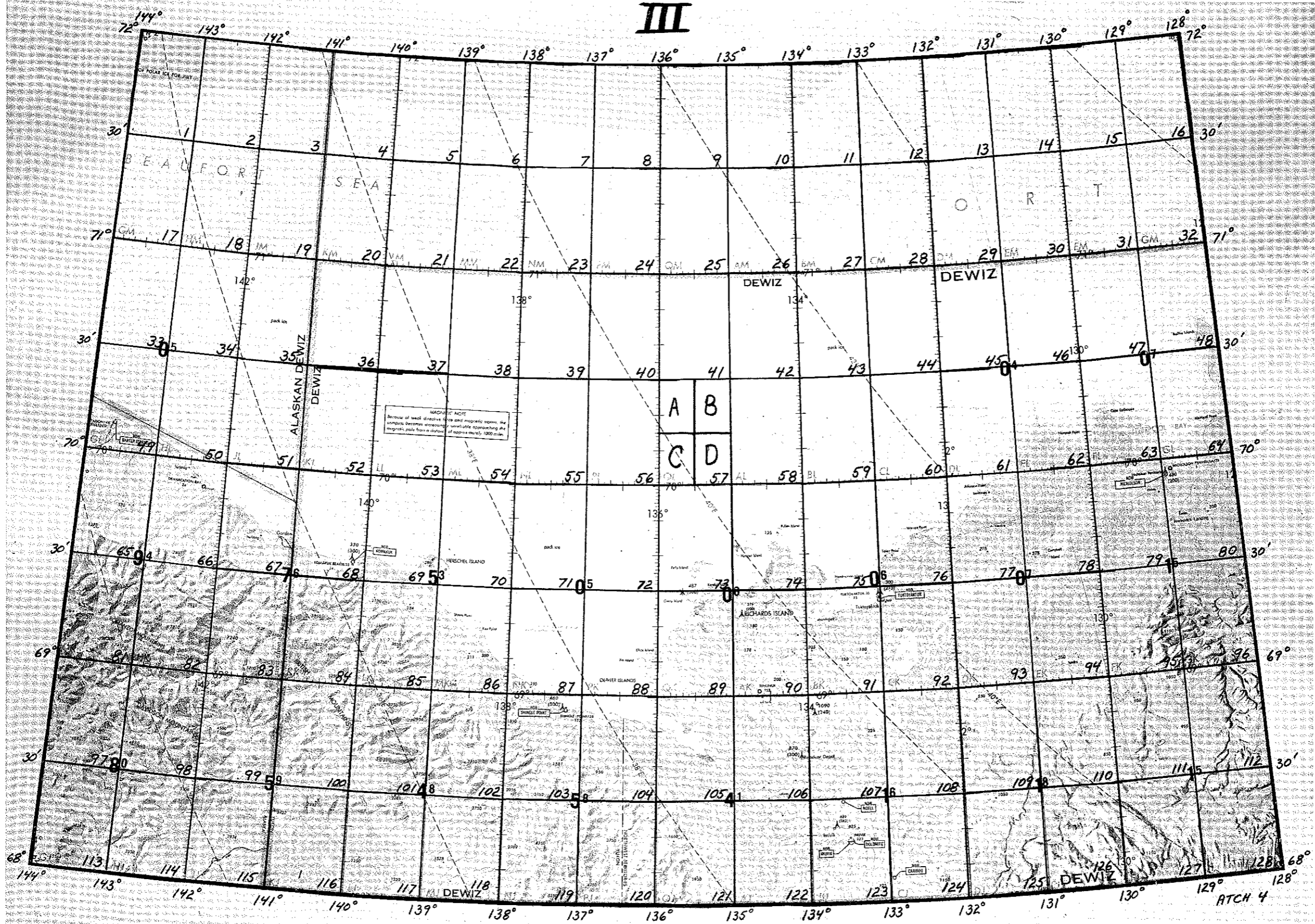
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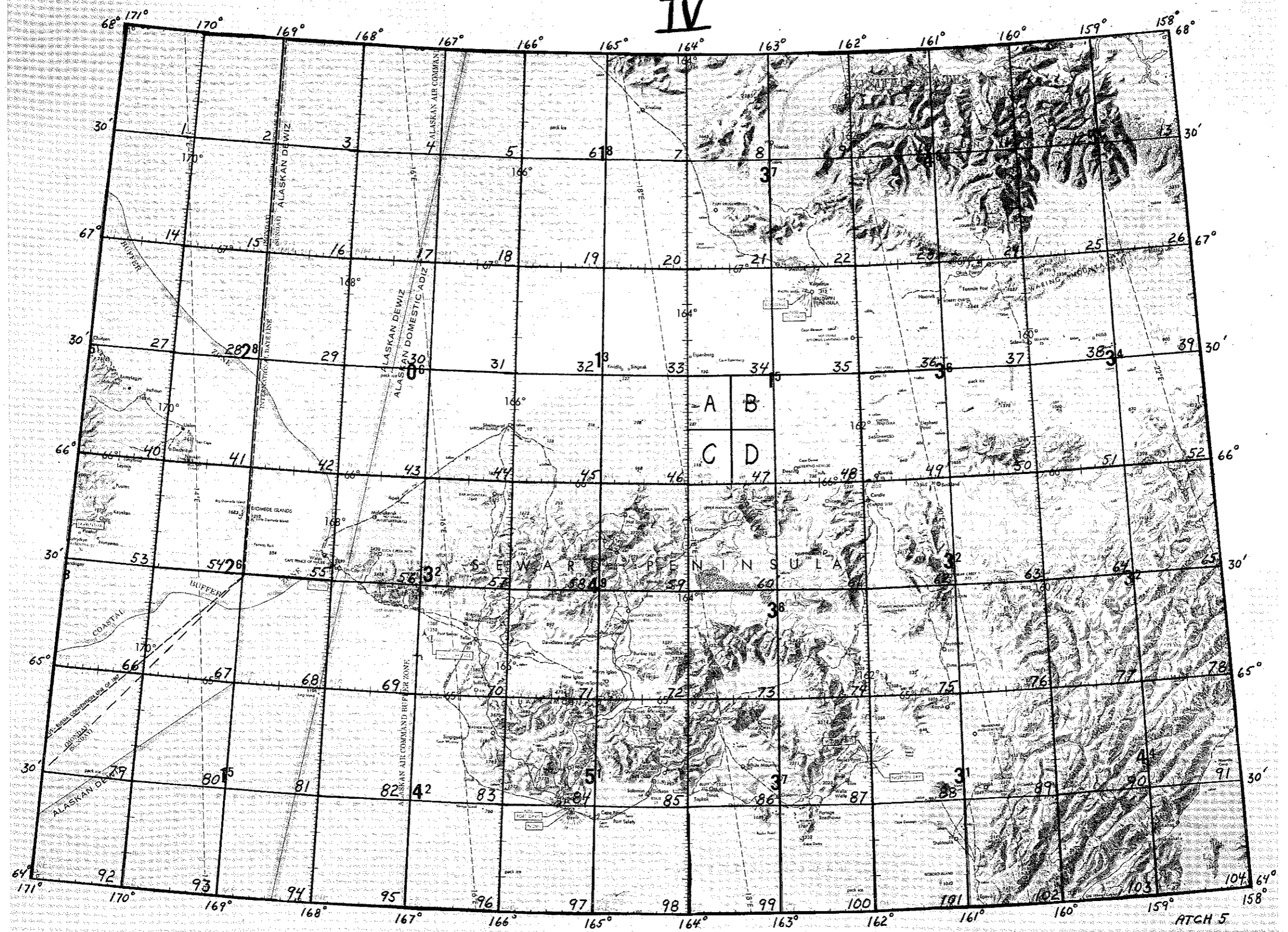
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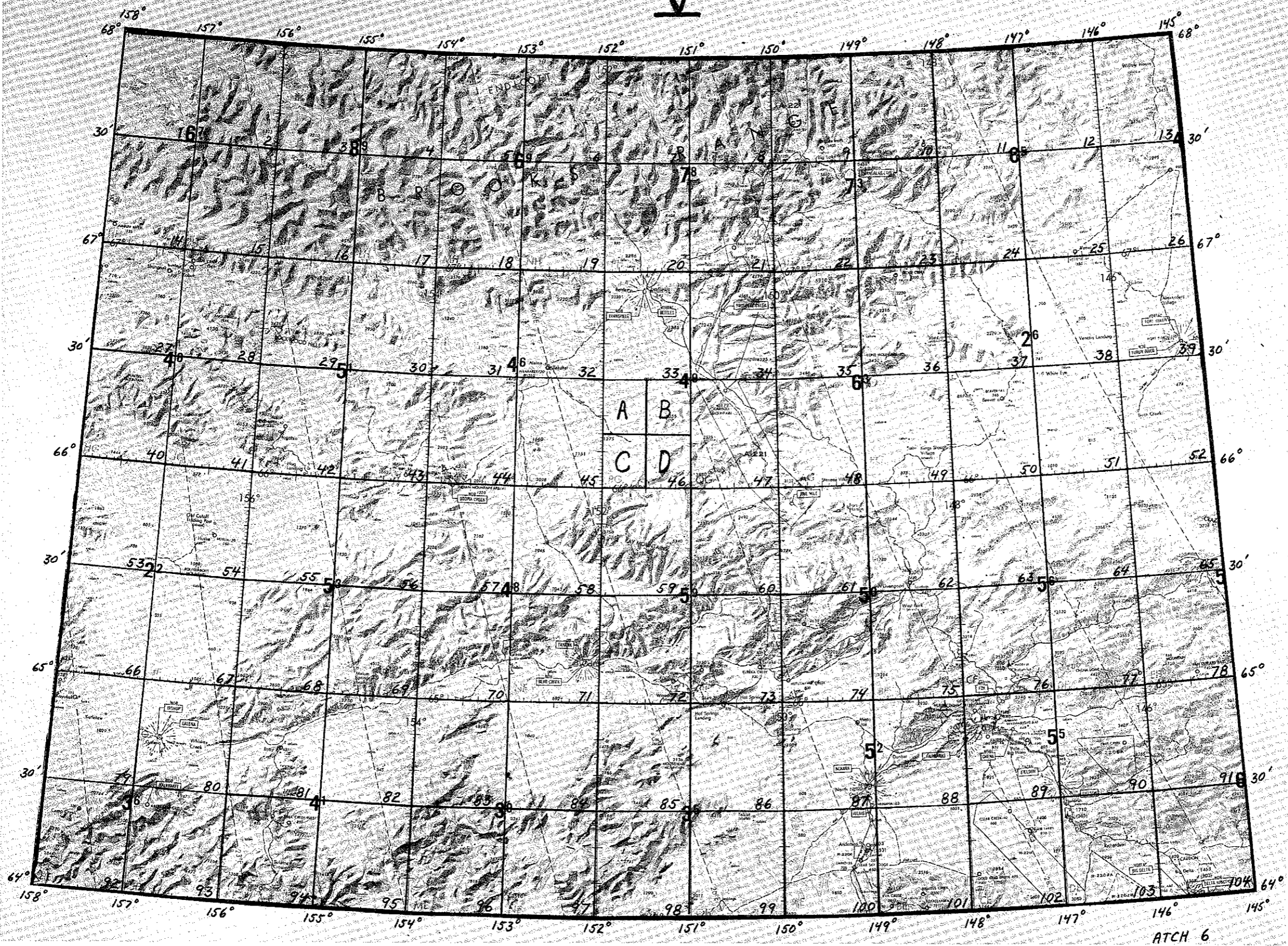
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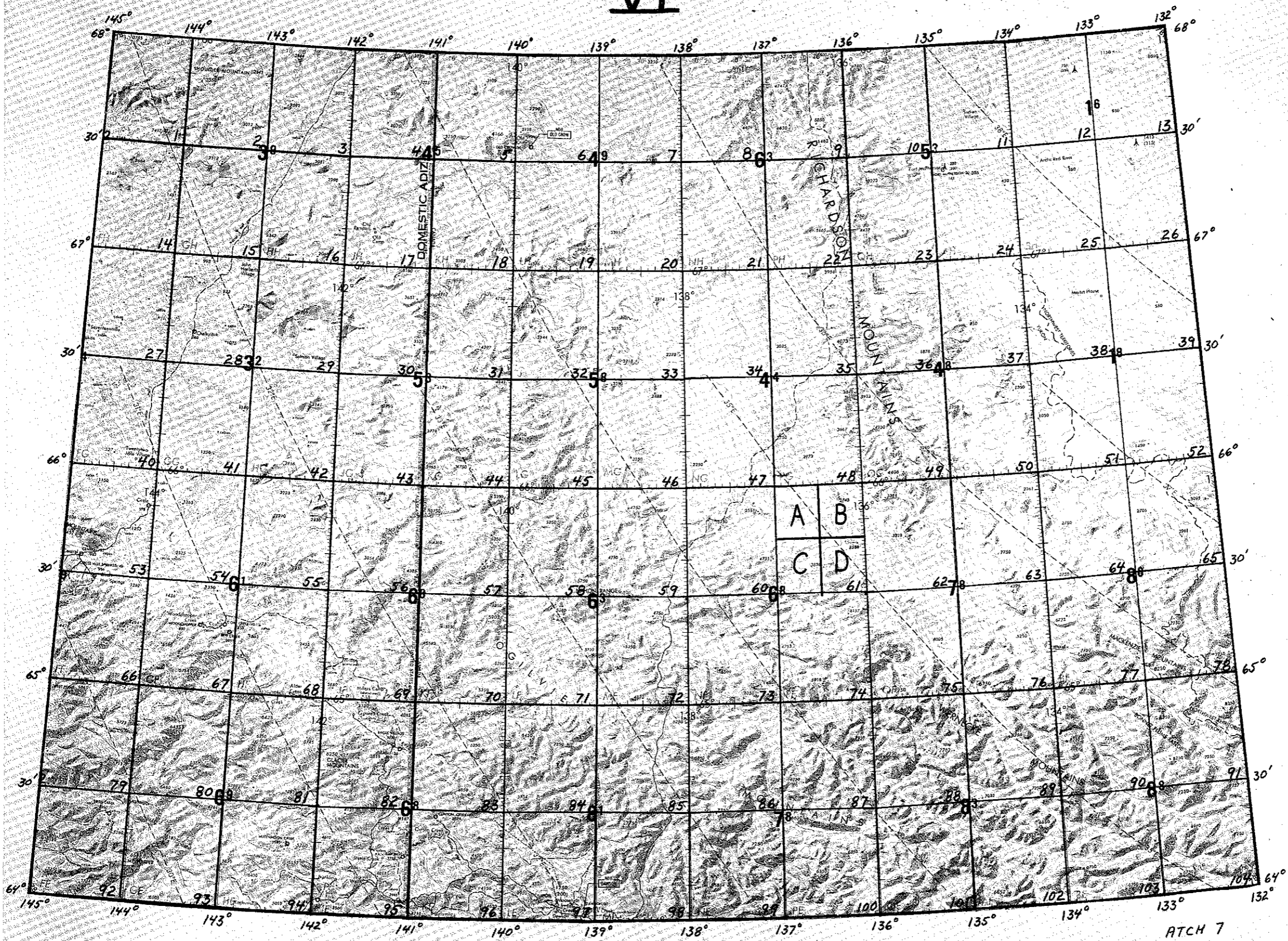
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V

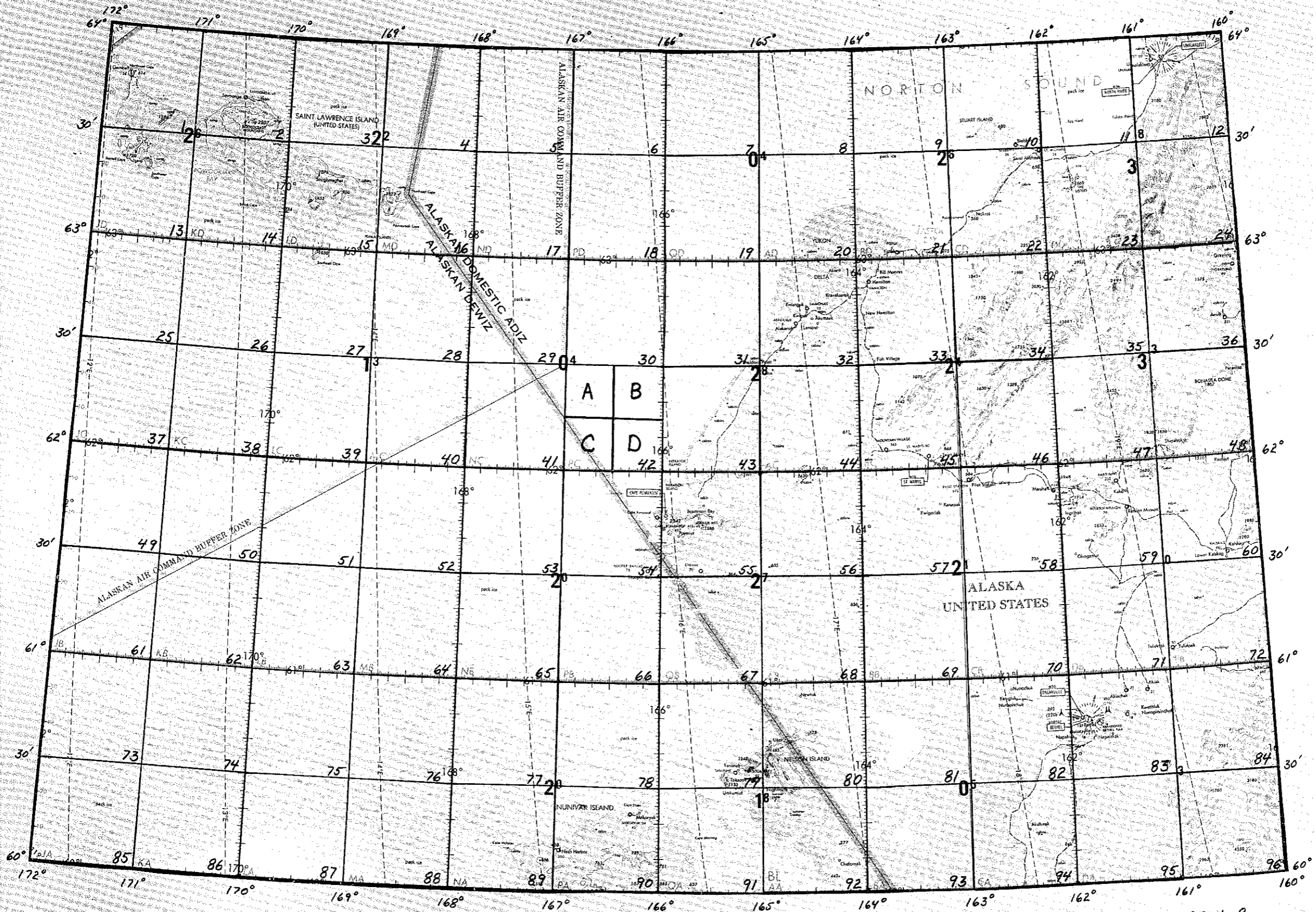


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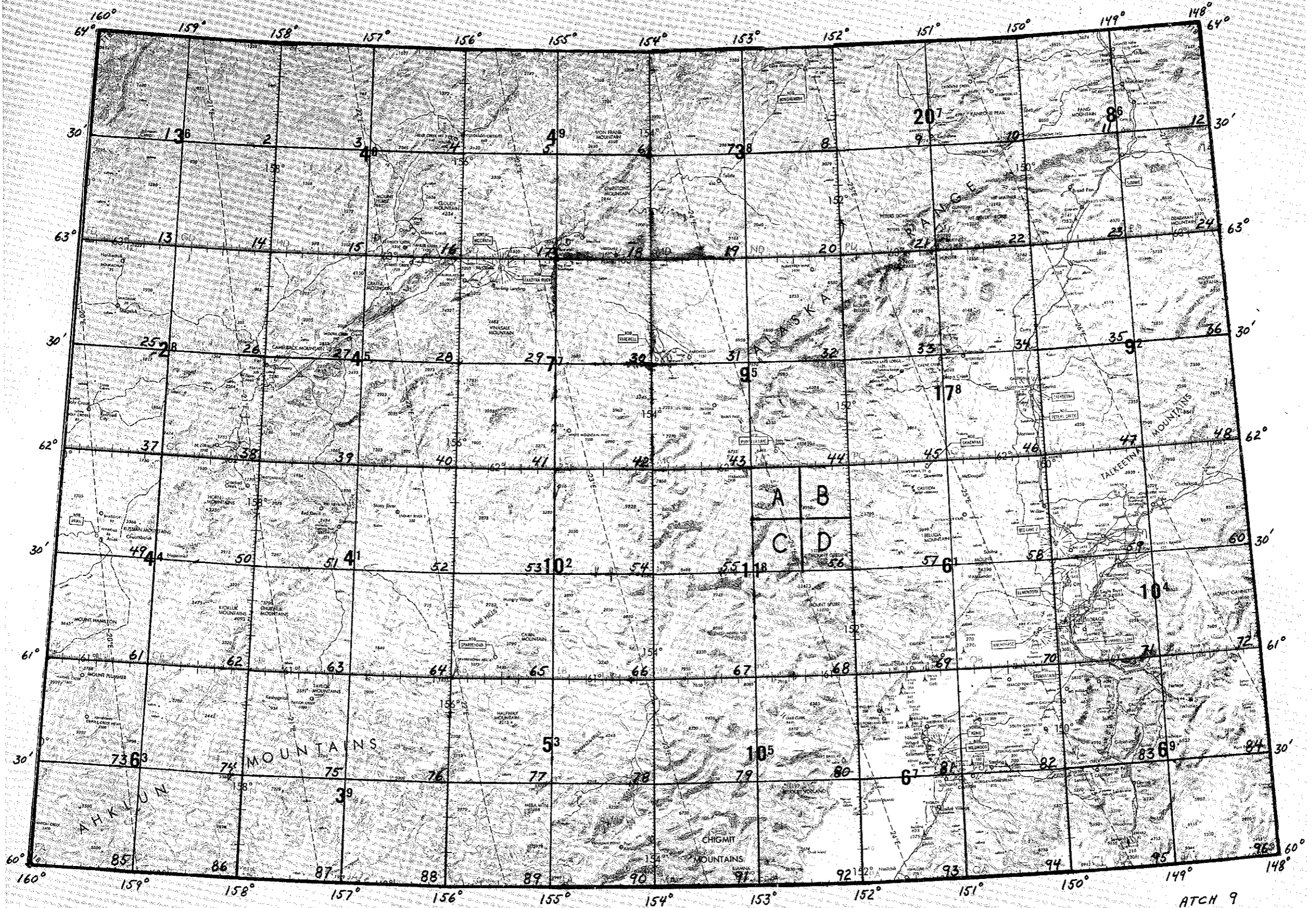


ATCH 7

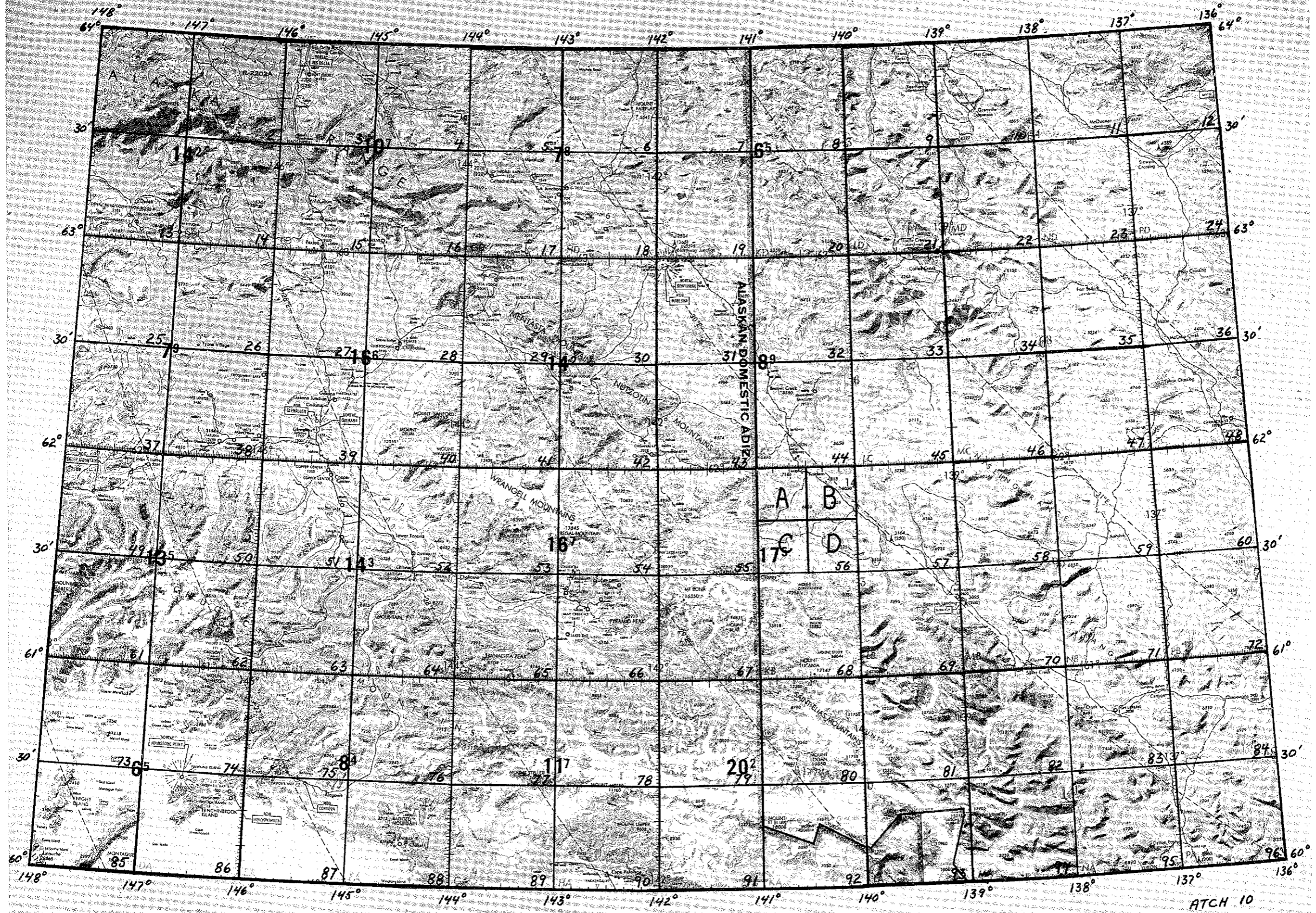
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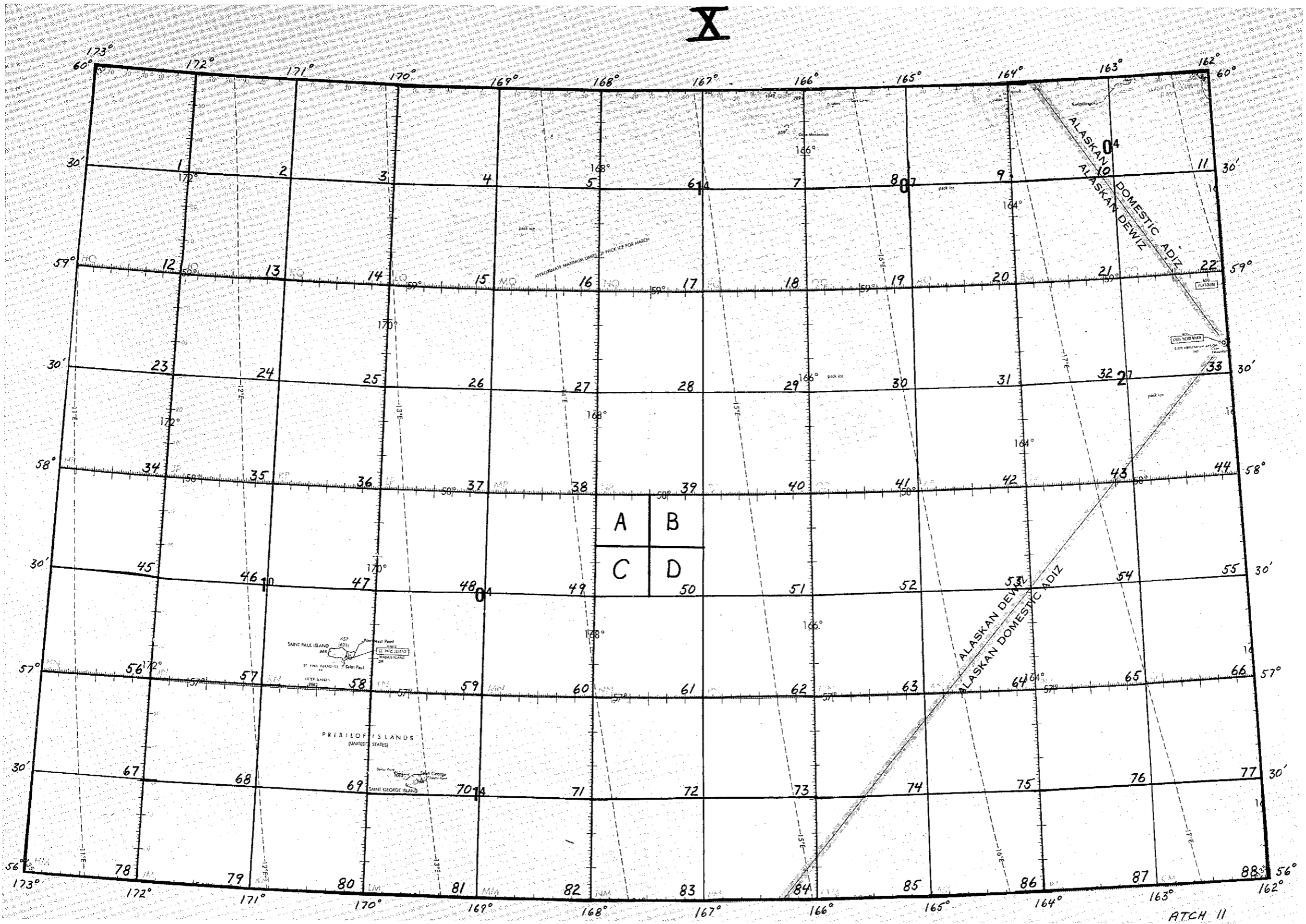
VIII



IX

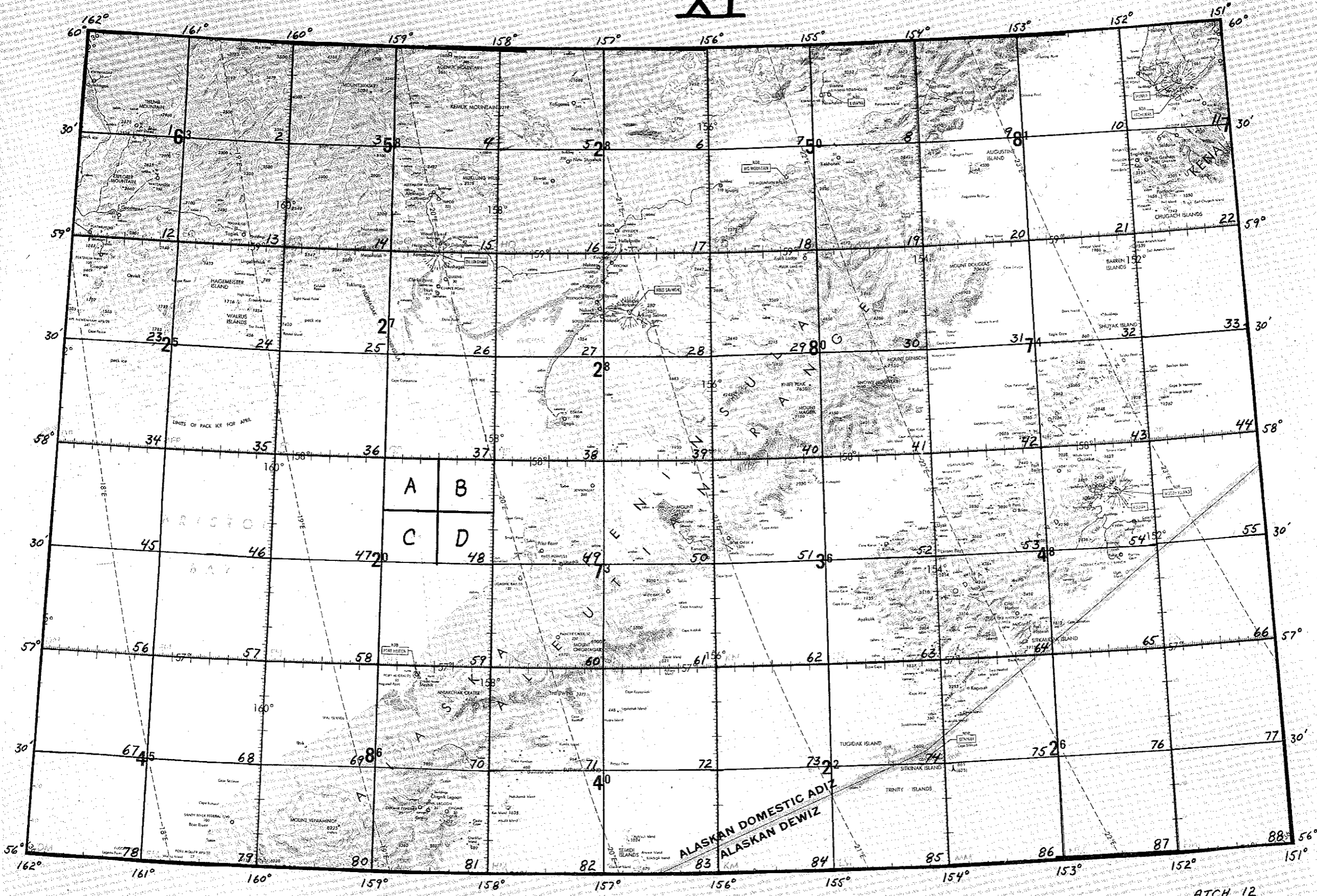


X

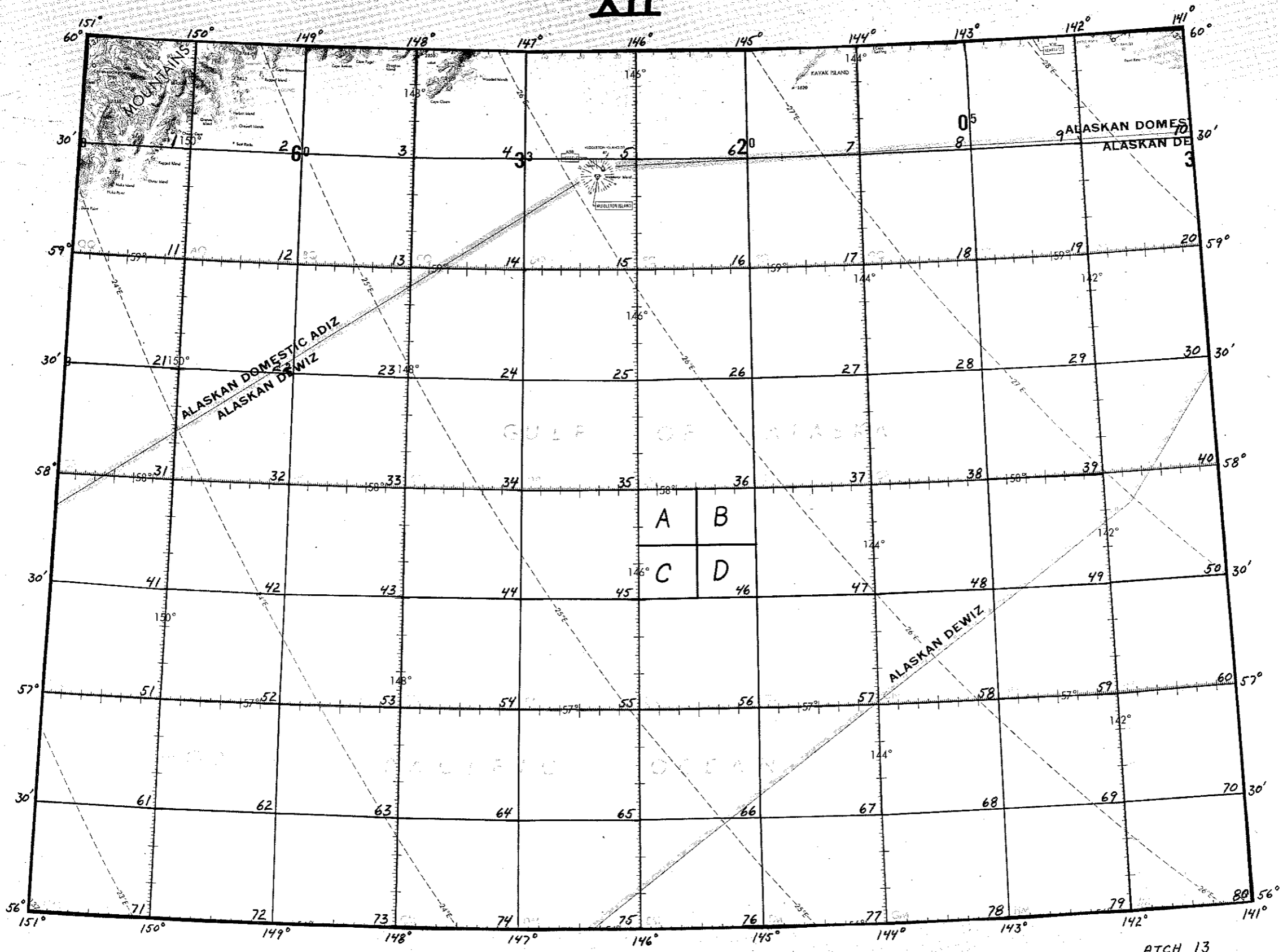


A	B
C	D

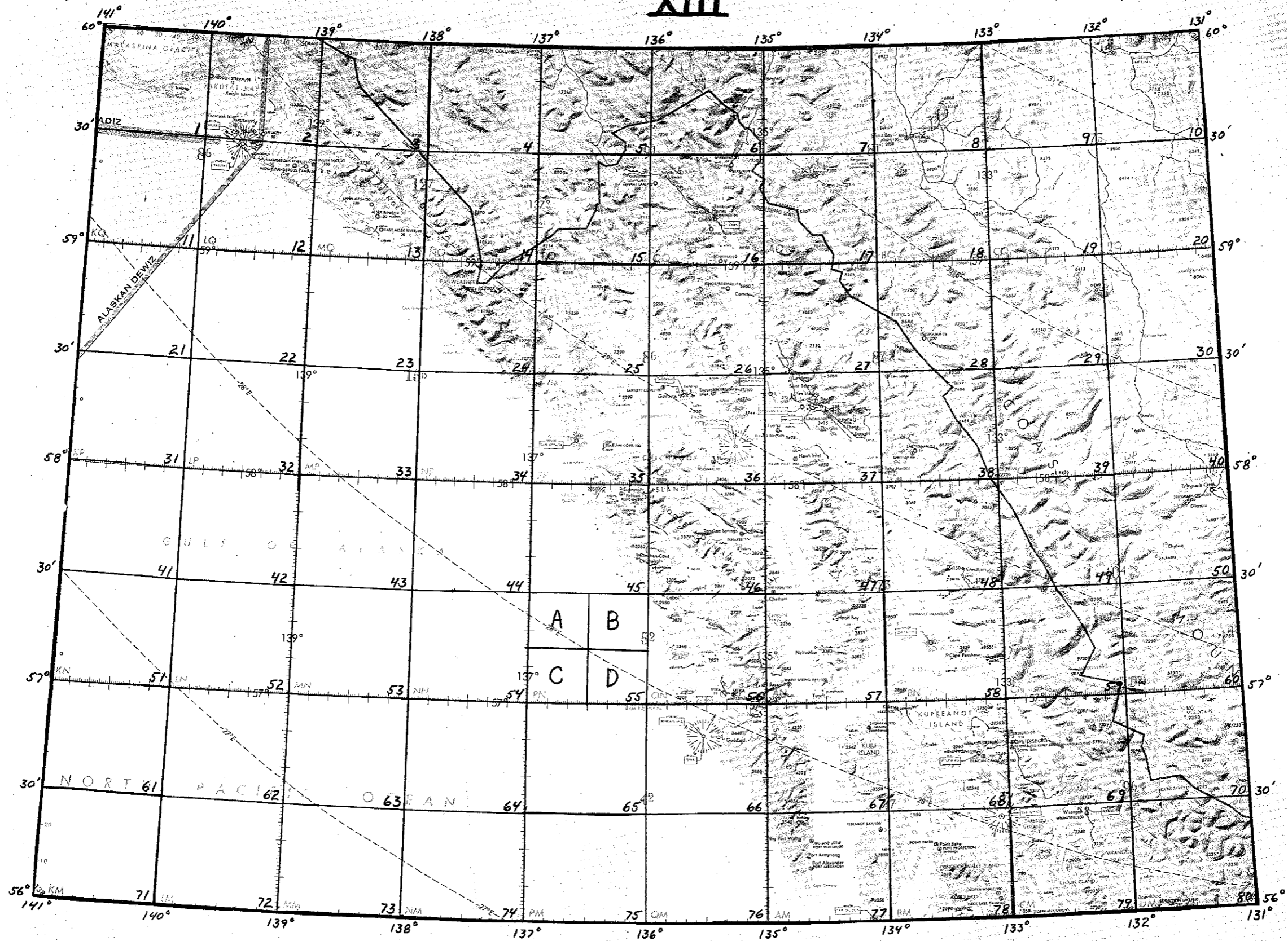
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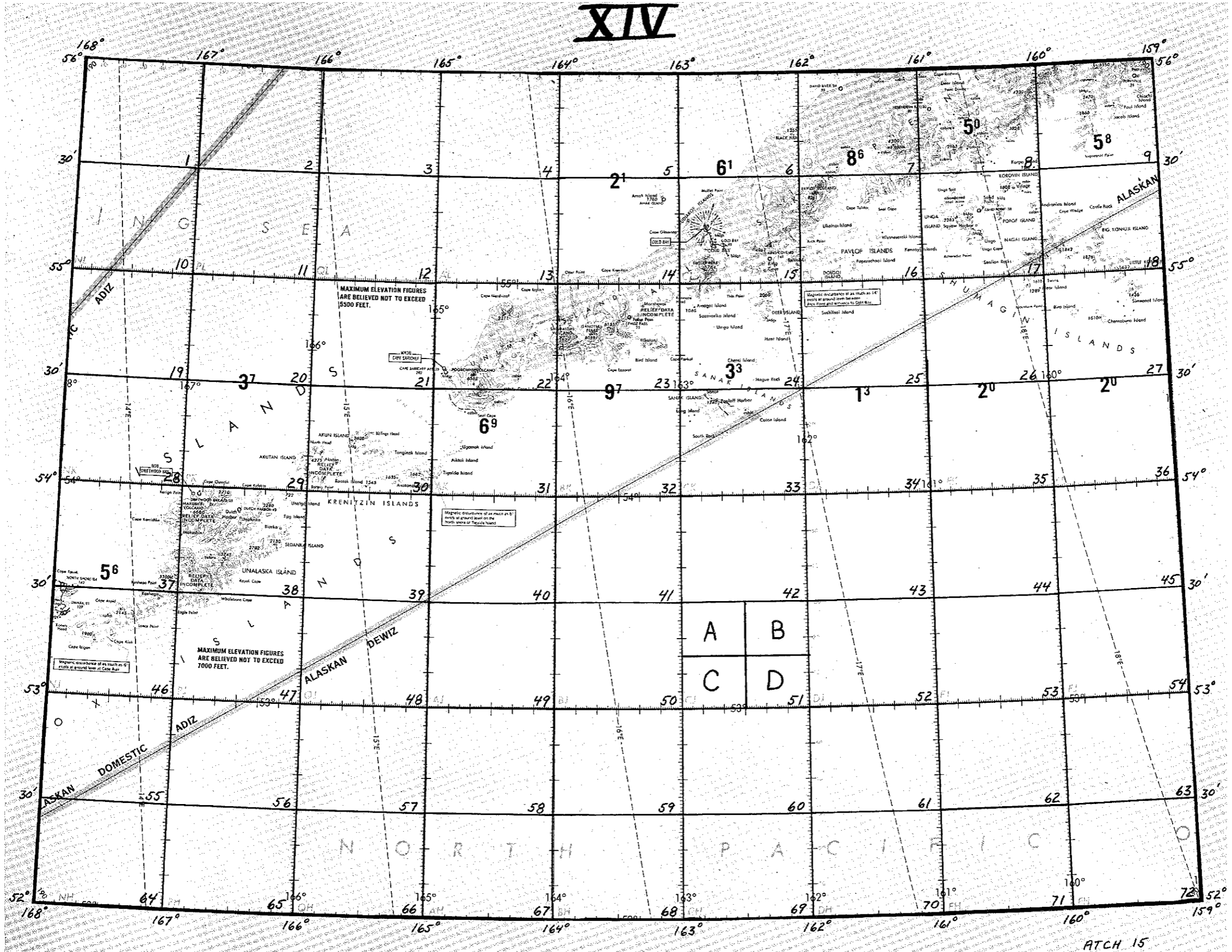
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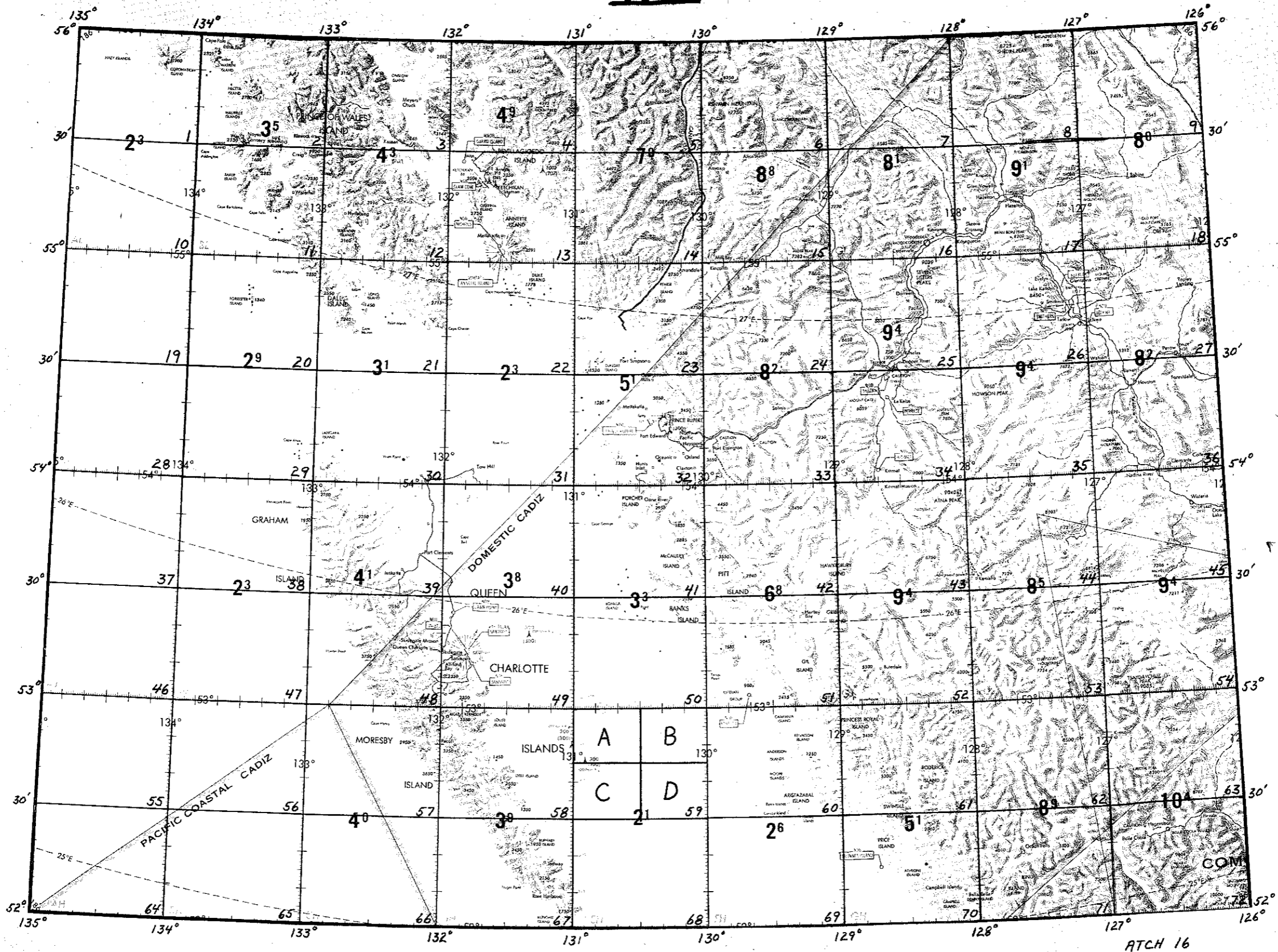
XIII



XIV



XV



SAMPLE MISSION CHART

