



THINGS TO CONSIDER:

POSITION

DISTANCE

DIRECTION

POSITION

AND KNOWLEDGE OF THE COAST
CAN BE DERIVED FROM
NAUTICAL CHARTS & CHART #1

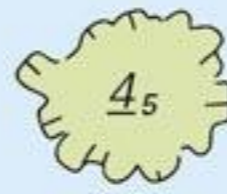
15

7

5



* 1.2



MHWS

CHART DATUM

5m COUNTOUR

SEABED

15m

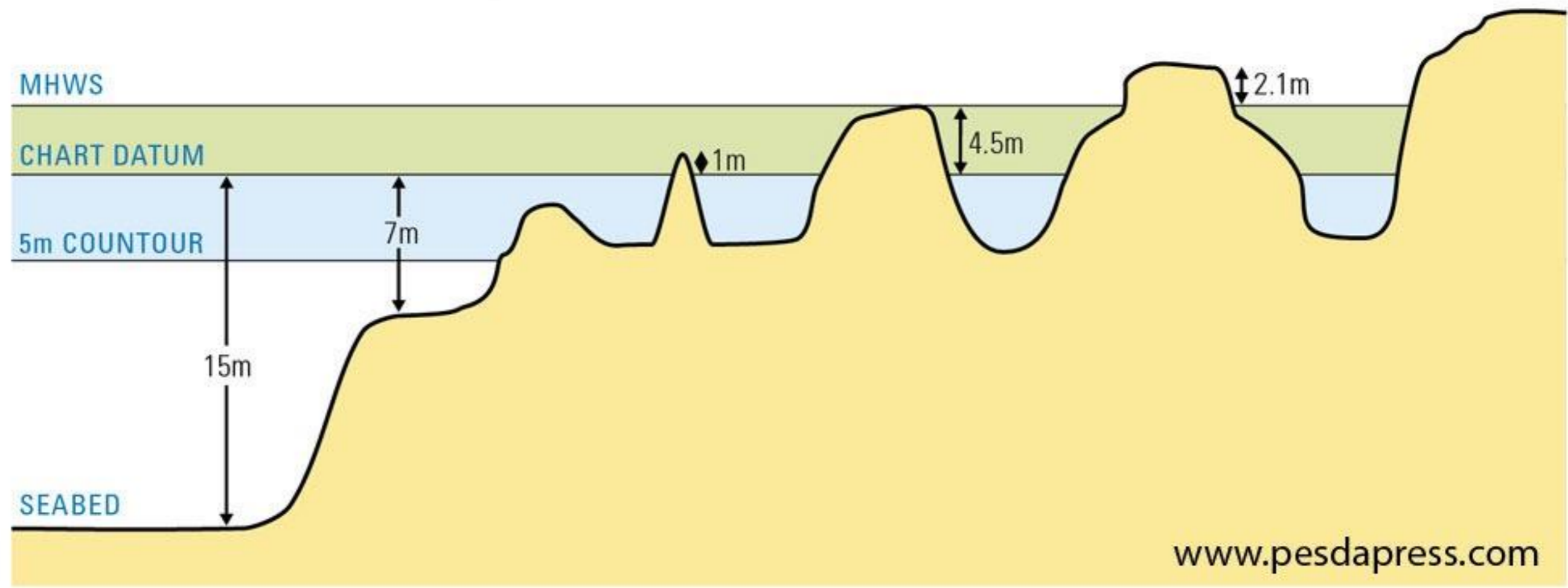
7m

1m

4.5m

2.1m

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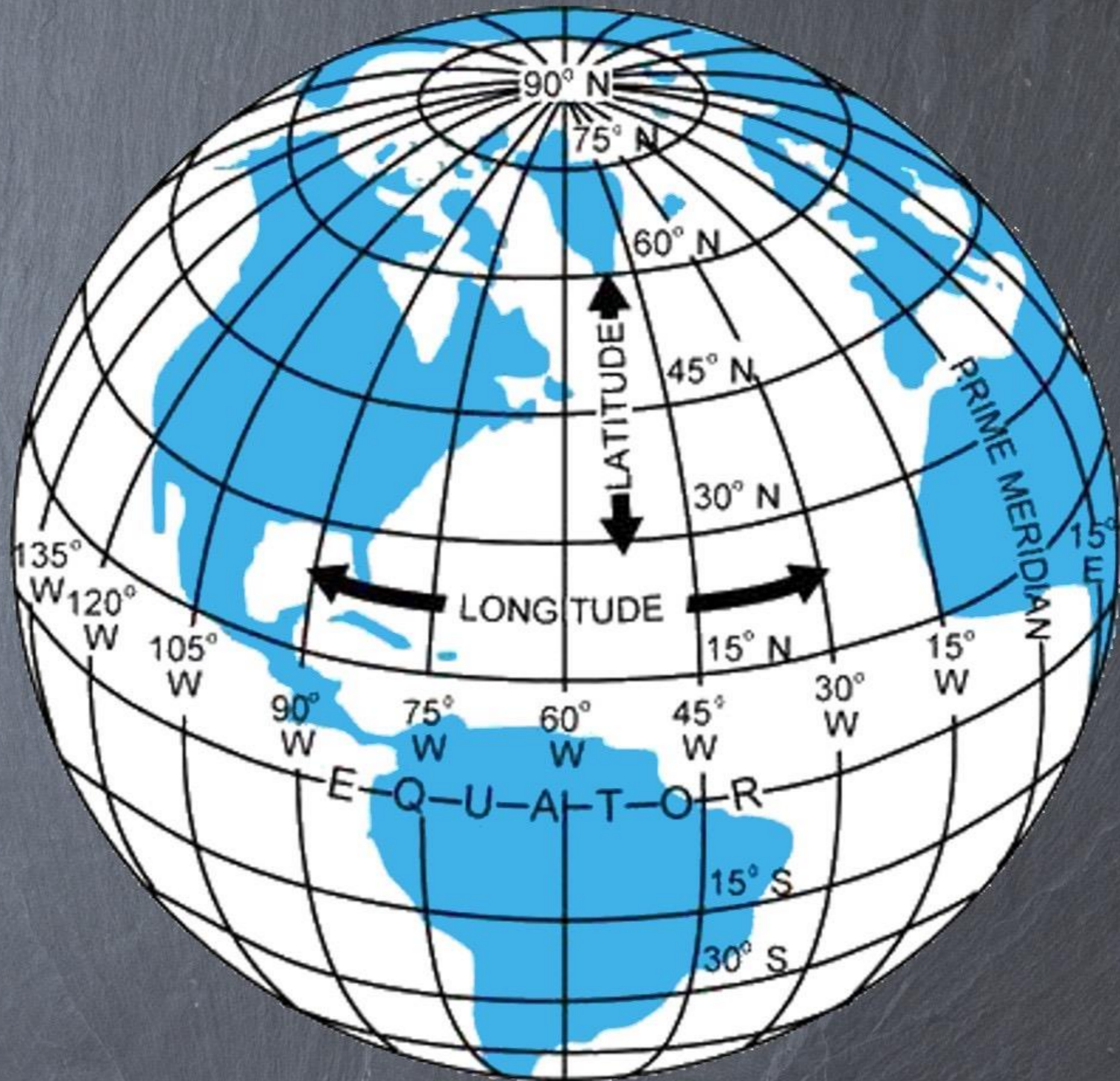
Aids to Navigation (Lateral Marks)



DISTANCE

MERCATOR PROJECTION: SHAPE,
RATHER THAN SIZE, IS PRESERVED.

LATITUDE SCALE USED FOR
MEASUREMENT OF DISTANCE.



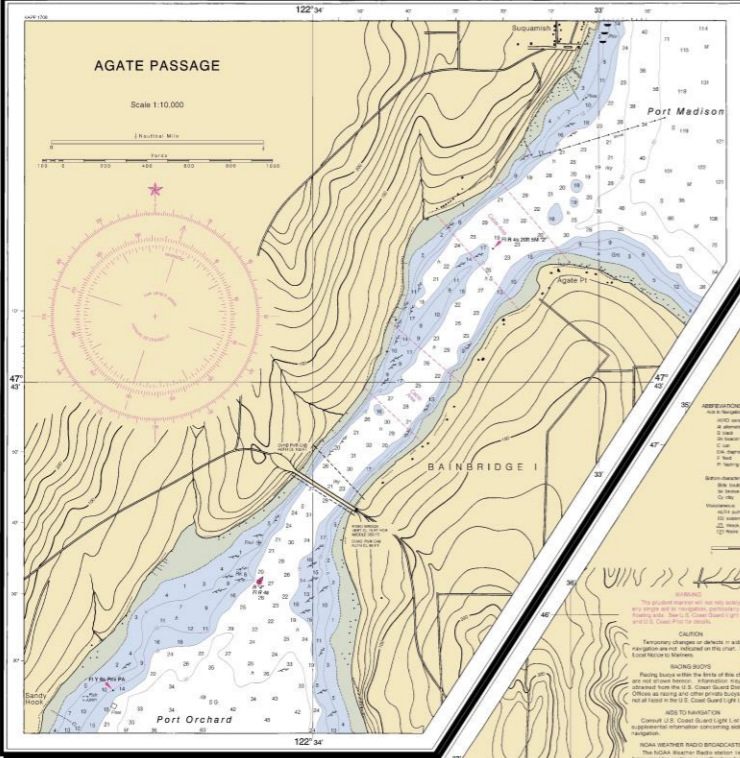
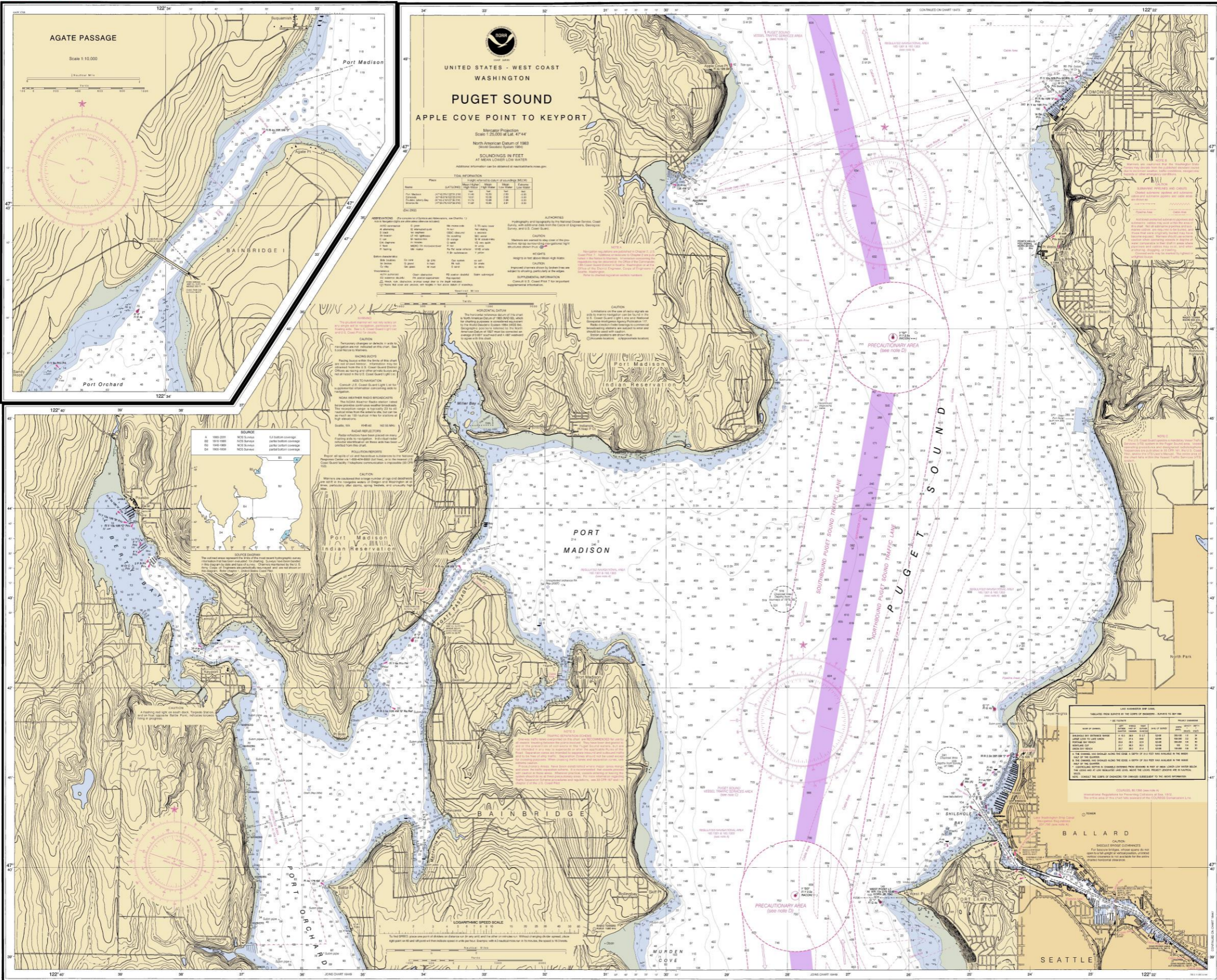
EQUATOR TO N/S POLE = 90°

$$90^{\circ} \times 60' = 5,400'$$

1' OF LATITUDE = 1 NAUTICAL MILE (6076 FT)

1 STATUTE MILE = 5,280 FT

1 NAUTICAL MILE = 1.15 STATUTE
MILE



UNITED STATES - WEST COAST WASHINGTON
PUGET SOUND
APPLE COVE POINT TO KEYPORT

Mercator Projection
Scale 1:25,000 at Lat. 47°44'
North American Datum of 1983
(North American Datum 1983)
SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

Additional information can be obtained from nautical charts.

| Name | SOUNDINGS | | DEPTH | | Color |
|--------|-----------|-----|-------|-----|--------|
| | Mean | Low | Mean | Low | |
| Blue | 10 | 10 | 10 | 10 | Blue |
| Green | 10 | 10 | 10 | 10 | Green |
| Yellow | 10 | 10 | 10 | 10 | Yellow |
| Orange | 10 | 10 | 10 | 10 | Orange |
| Red | 10 | 10 | 10 | 10 | Red |
| Black | 10 | 10 | 10 | 10 | Black |

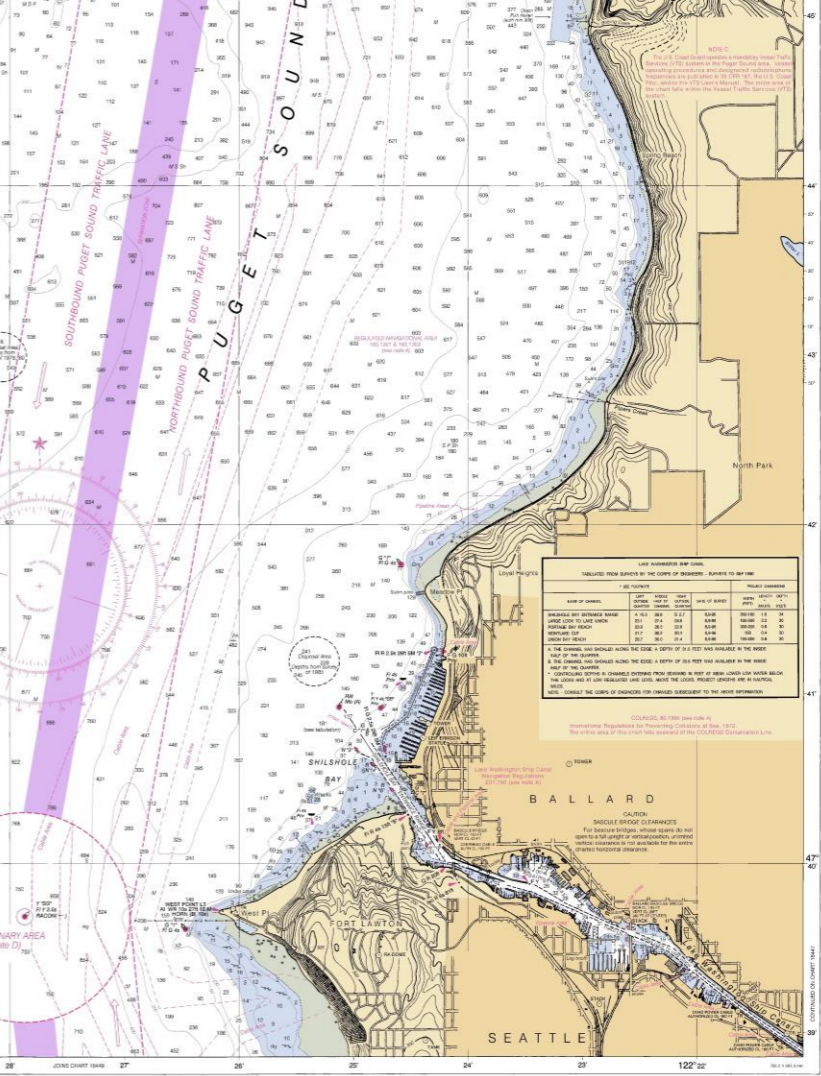
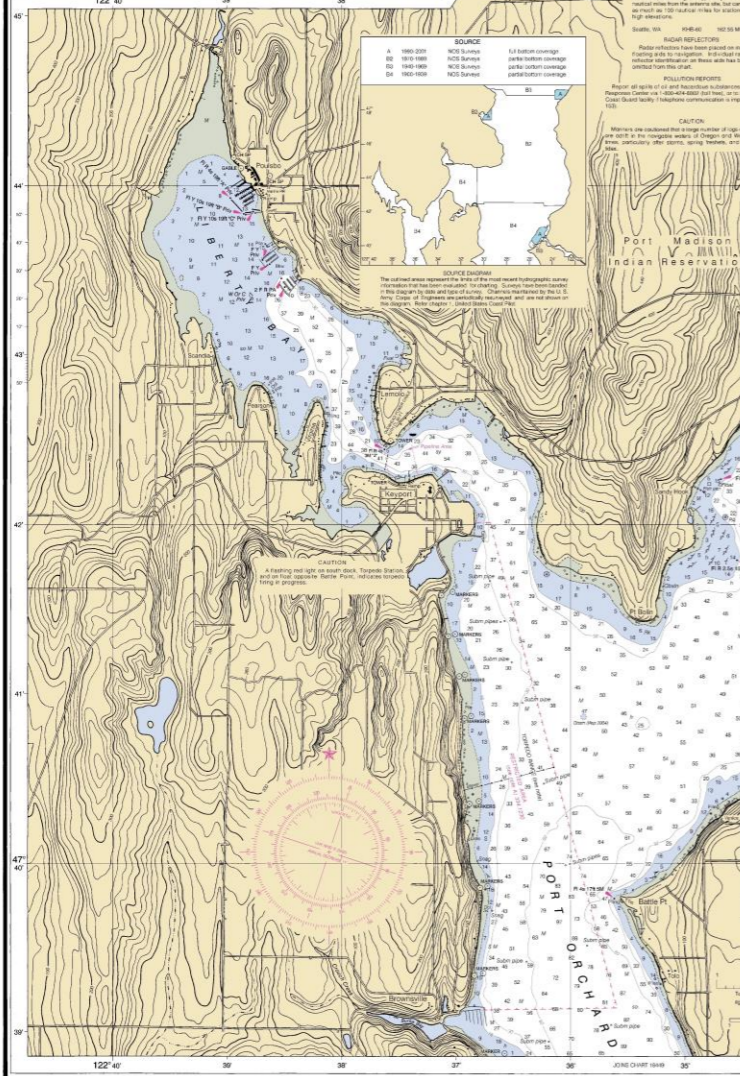
ABBREVIATIONS
The abbreviations in this chart are taken from the International Hydrographic Association's (IHO) Symbols and Abbreviations, 1980 Edition, and the U.S. Coast Survey's Symbols and Abbreviations, 1980 Edition.

CAUTION
The chart is not to be used as a substitute for the U.S. Coast Survey's Symbols and Abbreviations, 1980 Edition, or the International Hydrographic Association's (IHO) Symbols and Abbreviations, 1980 Edition.

LOGARITHMIC SPEED SCALE

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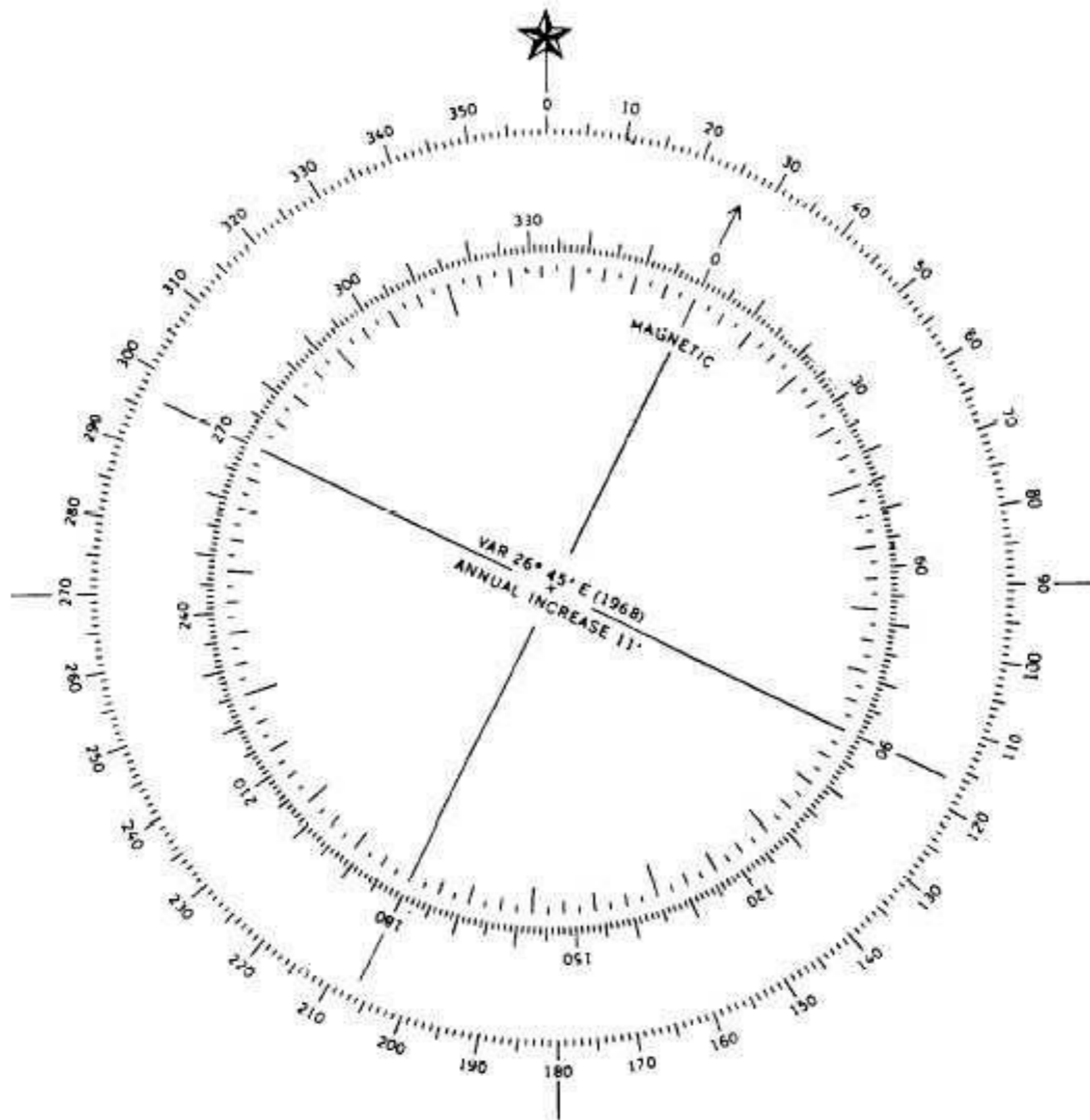


DIRECTION

GEOGRAPHIC NORTH
VS
MAGNETIC NORTH

'VARIATION' REVEALED BY
THE COMPASS ROSE





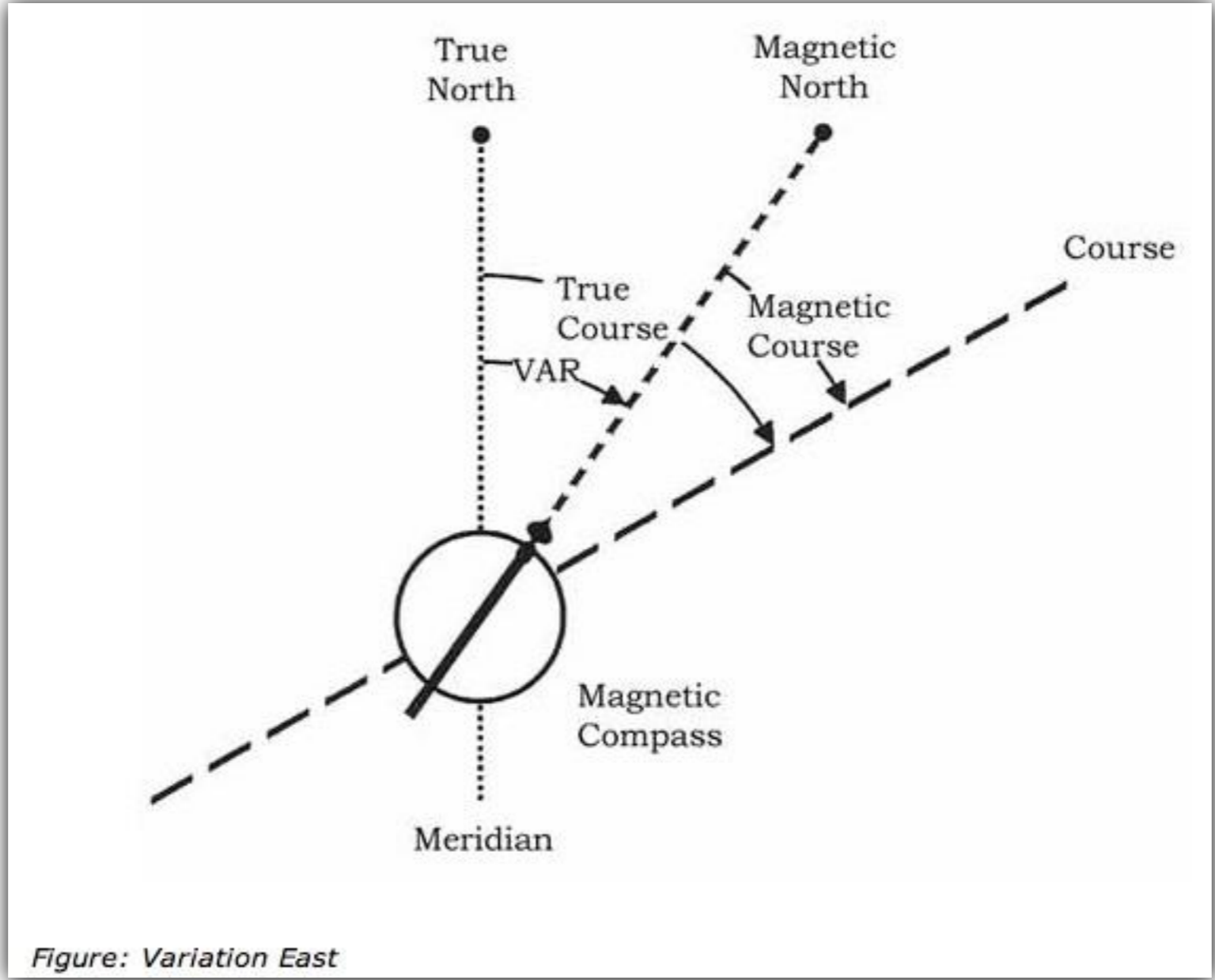


Figure: Variation East

THINGS TO CONSIDER:

**POSITION – CHARTS &
CHART #1**

DISTANCE – LATITUDE SCALE

DIRECTION – COMPASS ROSE

