



PHILIPPINE NAUTICAL CHARTING PROGRAM

Hydrography Branch
National Mapping and Resource Information Authority

SOLAS REGULATION



Regulation 19 paragraph 2.1.4 states that:

All ships irrespective of size shall have nautical charts and nautical publications to plan and display the ship's route for the intended voyage.

CLASSIFICATION OF NAUTICAL CHARTS



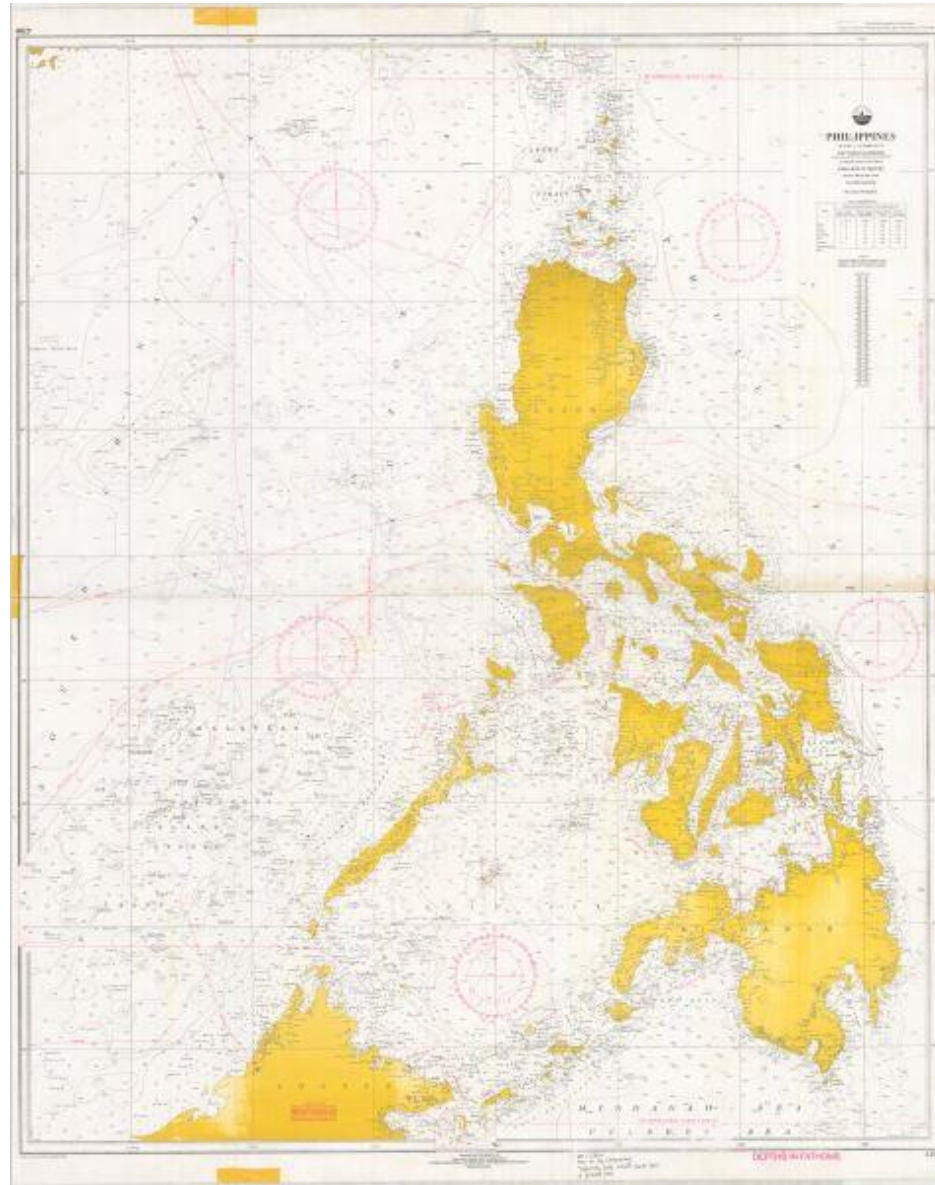
NAVIGATIONAL PURPOSE	SCALE
Overview	< 1: 2,000,000
General Sailing	1: 350,000 – 1: 1,999,999
Coastal	1: 75,000 – 1: 349,000
Approach	1: 30,000 – 1: 74,999
Harbor	1: 5,000 – 1: 29,999
Berthing	> 1: 4,000

PAPER CHARTS

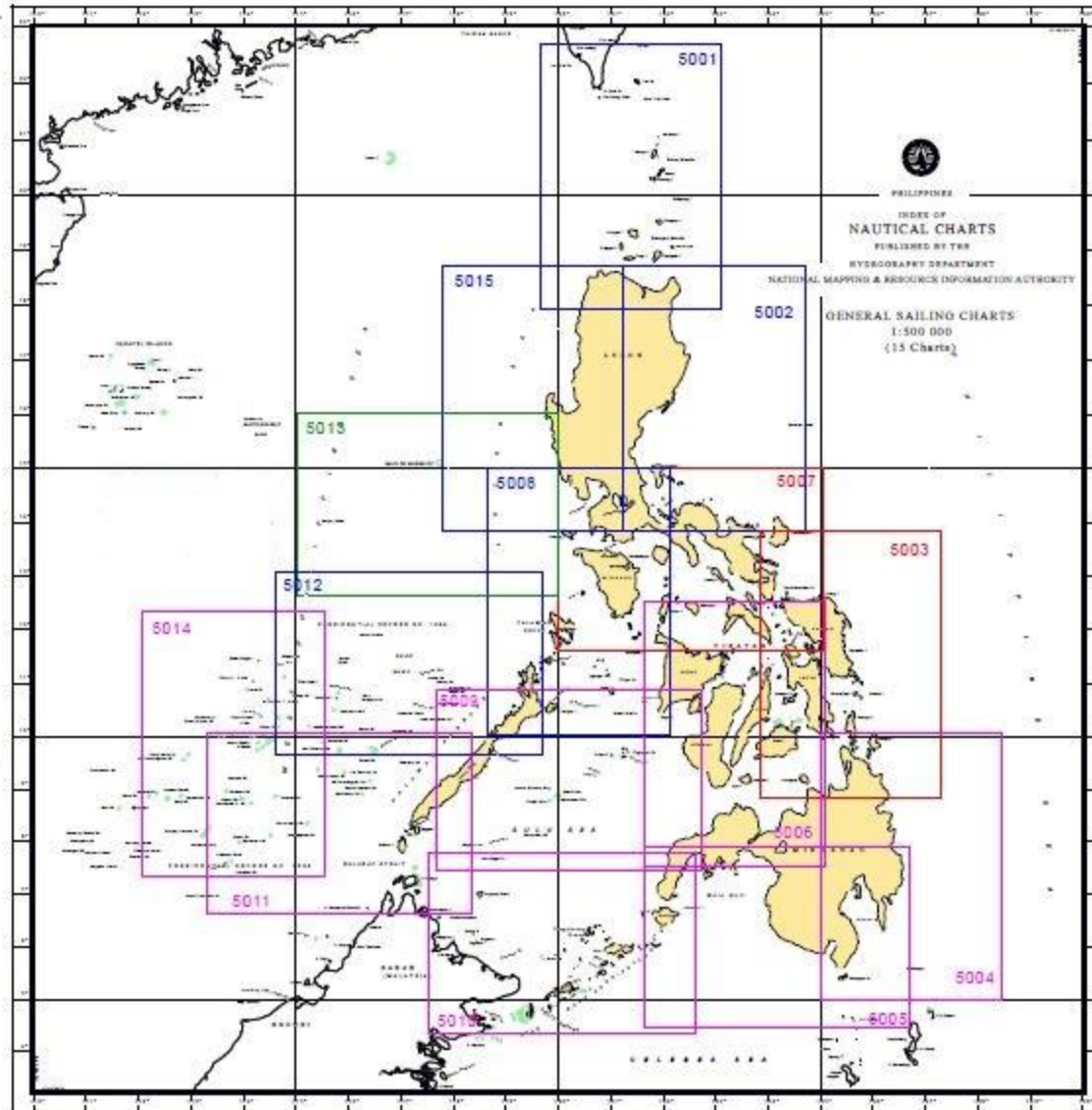


NAVIGATIONAL PURPOSE	NUMBER OF CHARTS
Overview	1
General Sailing	11 (various scales) 15 (new scheme, 1 published)
Coastal	77 (various scales) 65 (new scheme, 21 published)
Approach	38 (various scales)
Harbor	64 (various scales)

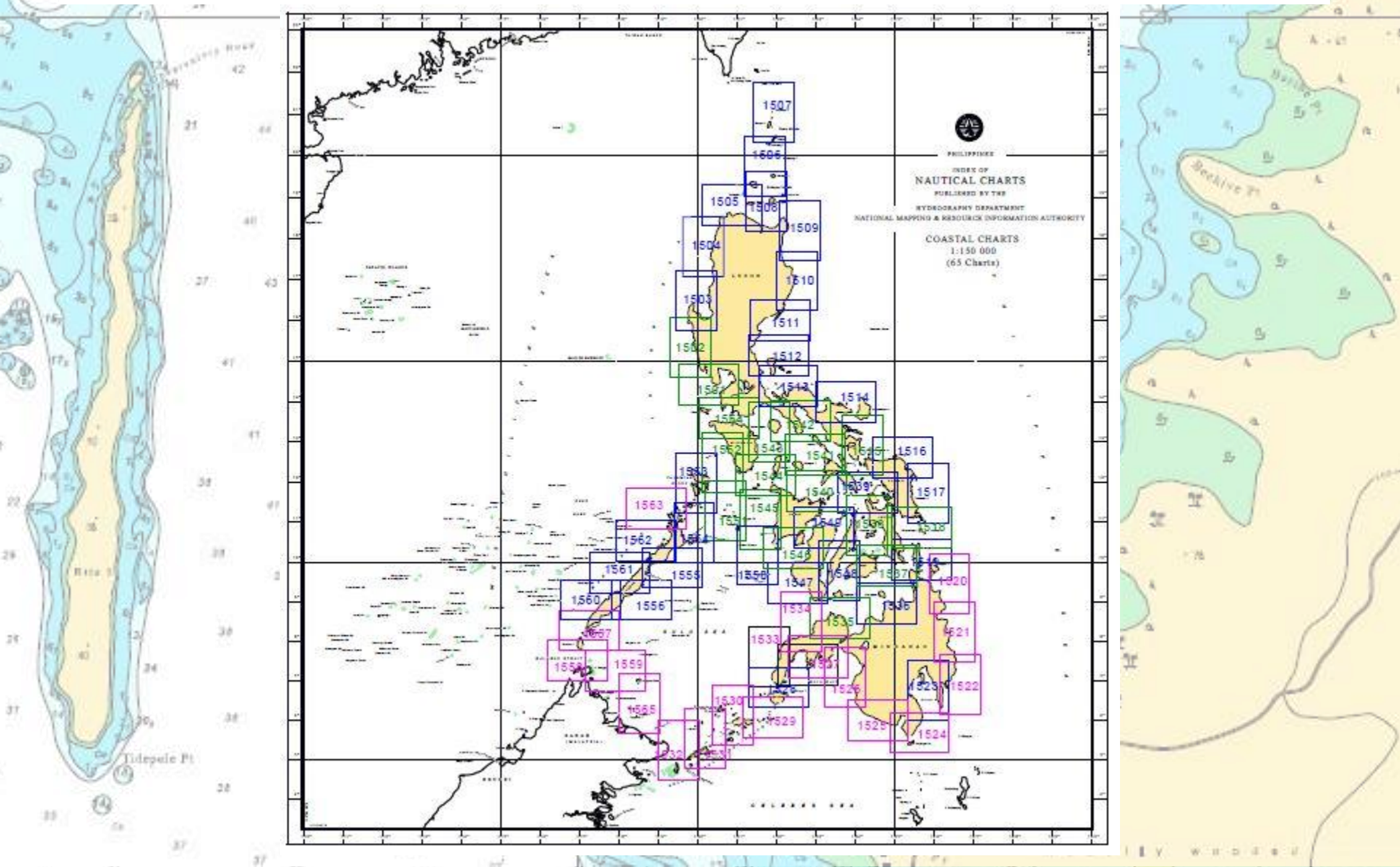
OVERVIEW CHART



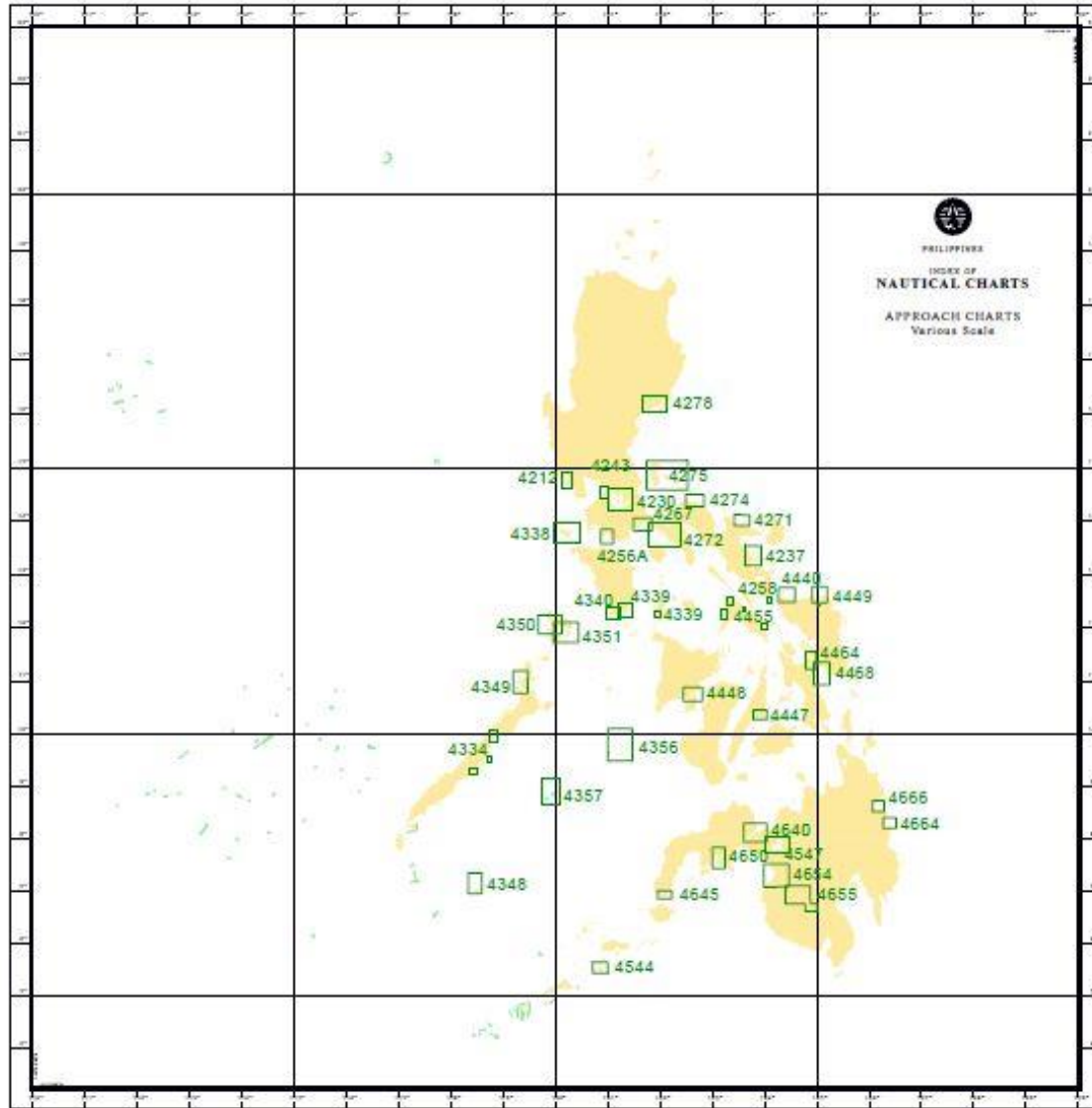
GENERAL SAILING CHARTS



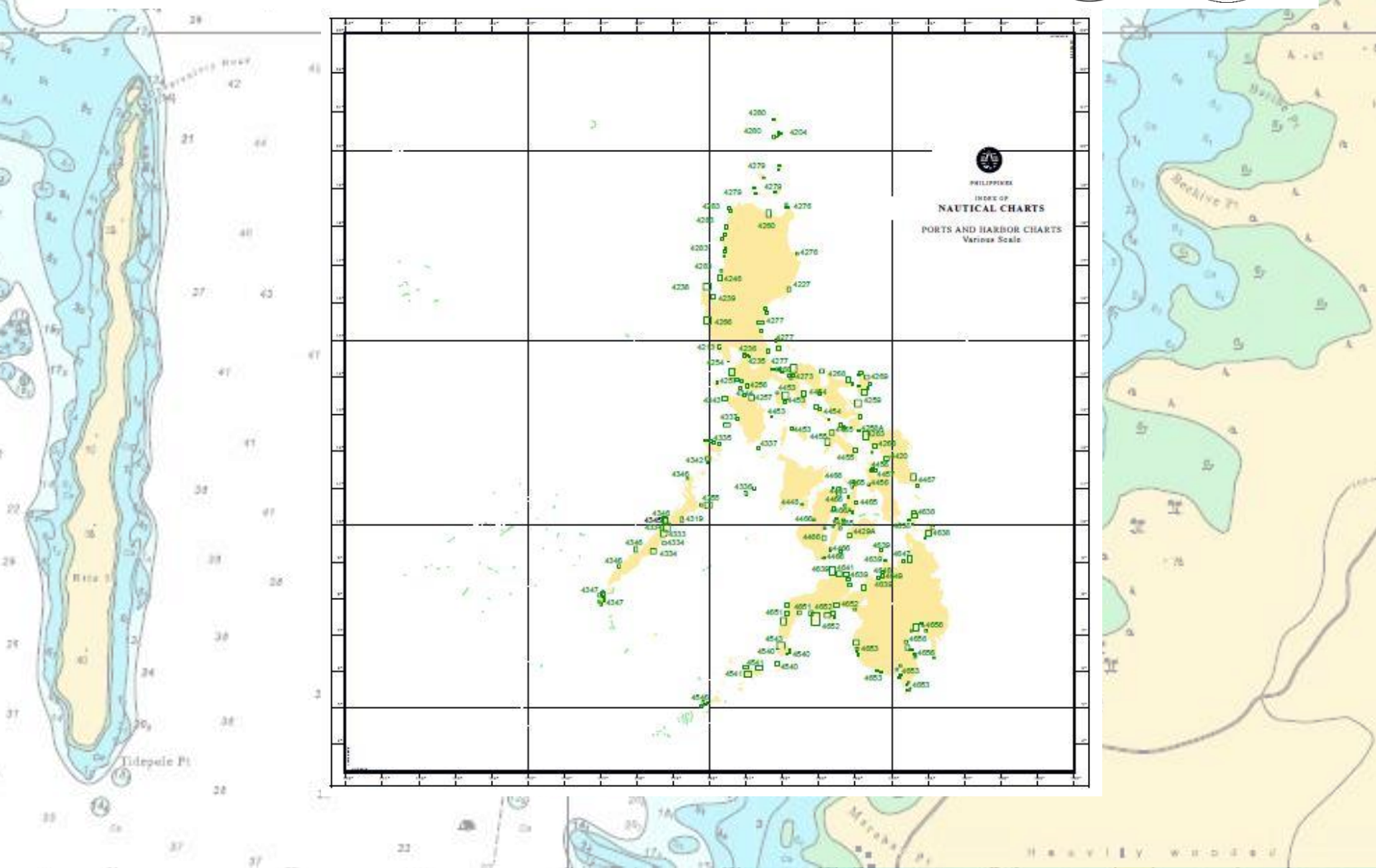
COASTAL CHARTS



APPROACH CHARTS

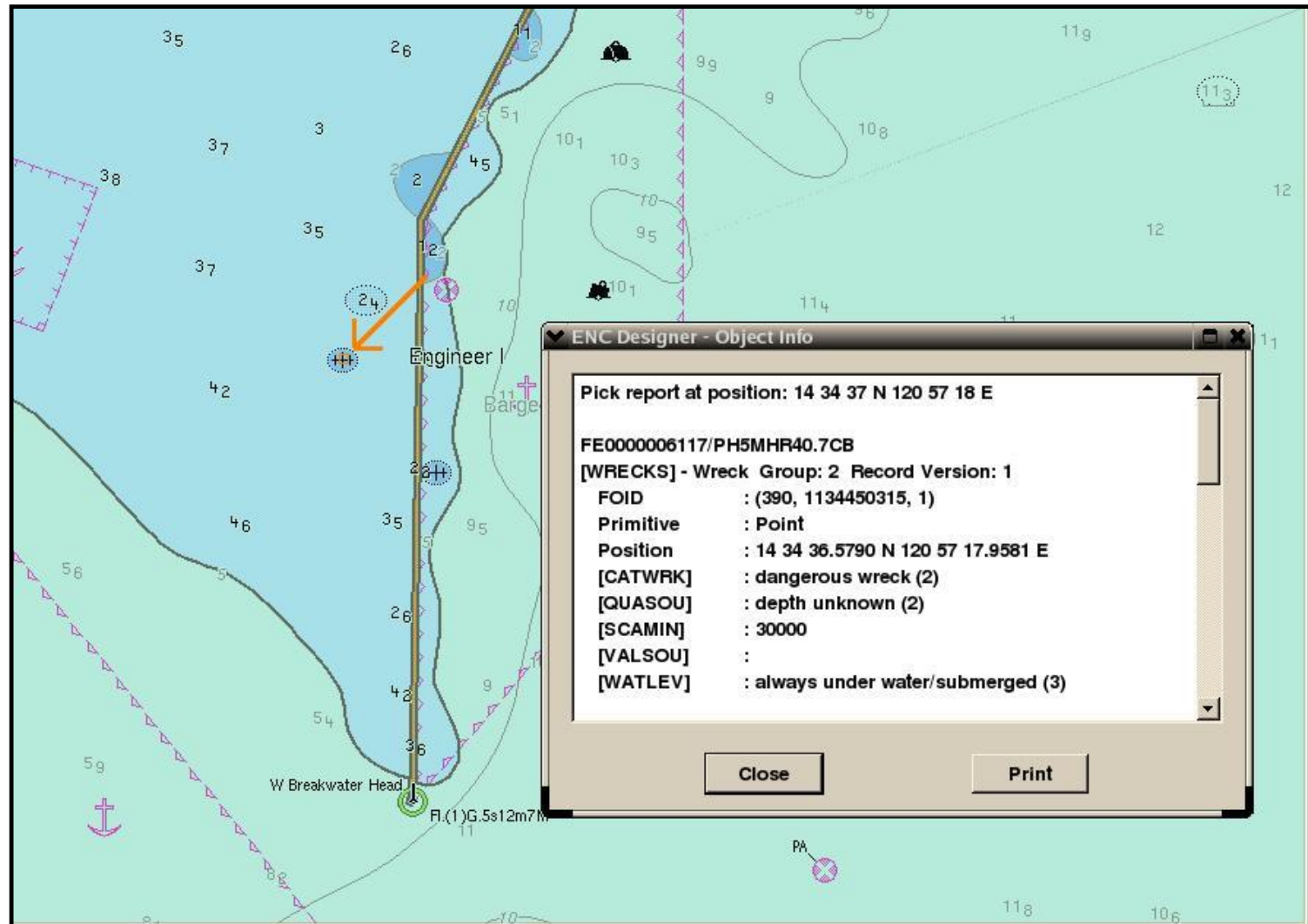


PORTS AND HARBOR CHARTS



PHILIPPINES
INDEX OF
NAUTICAL CHARTS
PORTS AND HARBOR CHARTS
Various Scale

ELECTRONIC NAVIGATIONAL CHART (ENC)



ELECTRONIC NAVIGATIONAL CHARTS



NAVIGATIONAL PURPOSE	NUMBER OF CELLS
General Sailing	7
Approach	6
Harbor	15

SOURCES OF DATA



- NAMRIA hydrographic and topographic surveys
- Government and private ports
- Satellite imageries for coastline

STANDARDS



International Hydrographic Organization (IHO) Special Publications:

- S-4 Regulations for International (INT) Charts and Chart Specifications of the IHO
- INT1 Symbols, Abbreviations and Terms used on Charts
- INT2 Borders, Graduations, Grids and Linear Scales
- INT3 Use of Symbols and Abbreviations

STANDARDS



International Hydrographic Organization (IHO) Special Publications:

- S-57 IHO Transfer Standard for Digital Hydrographic Data
- S-58 ENC Validation Checks

** Publications are downloadable at www.iho.int.*

DISTRIBUTION



- NAMRIA map sales offices
- International Centre for Electronic Navigational Charts (IC-ENC)

WEBSITES



- www.namria.gov.ph
- www.geoportal.gov.ph



THANK YOU

Happy Weekend =)