

# STATUS OF HYDROGRAPHY IN KIRIBATI



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# Scope & Overview

- **Brief Background**
- **Hydrography in general**
  - Nautical Charts**
  - Promulgation of MSI**
  - Surveys and new Data**
- **Way Forward**



# North Pacific Ocean

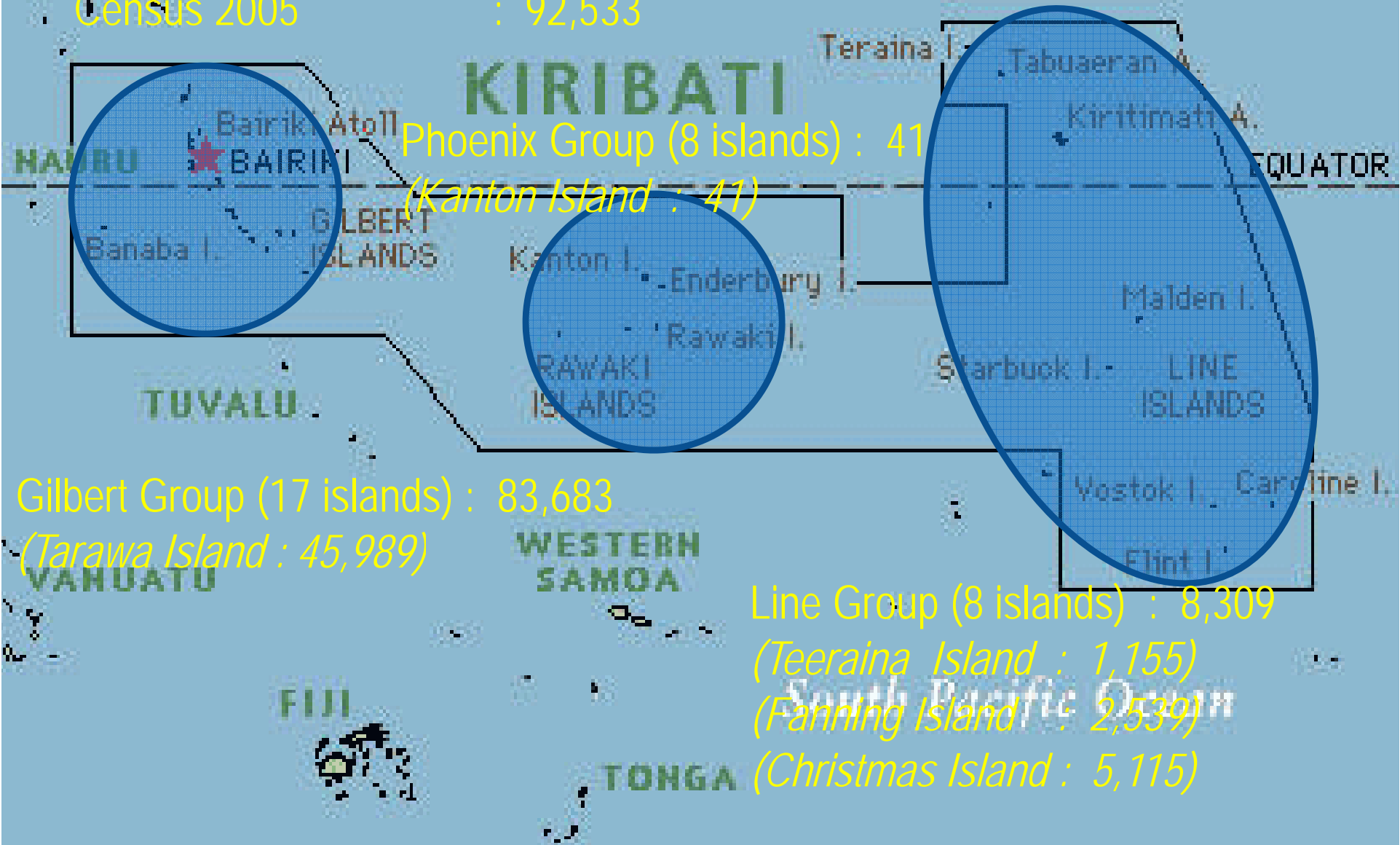
Total No. of Islands : 33 scattered over an area of 3.5 million km<sup>2</sup>  
Inhabited Islands : 23  
Census 2005 : 92,533

## KIRIBATI

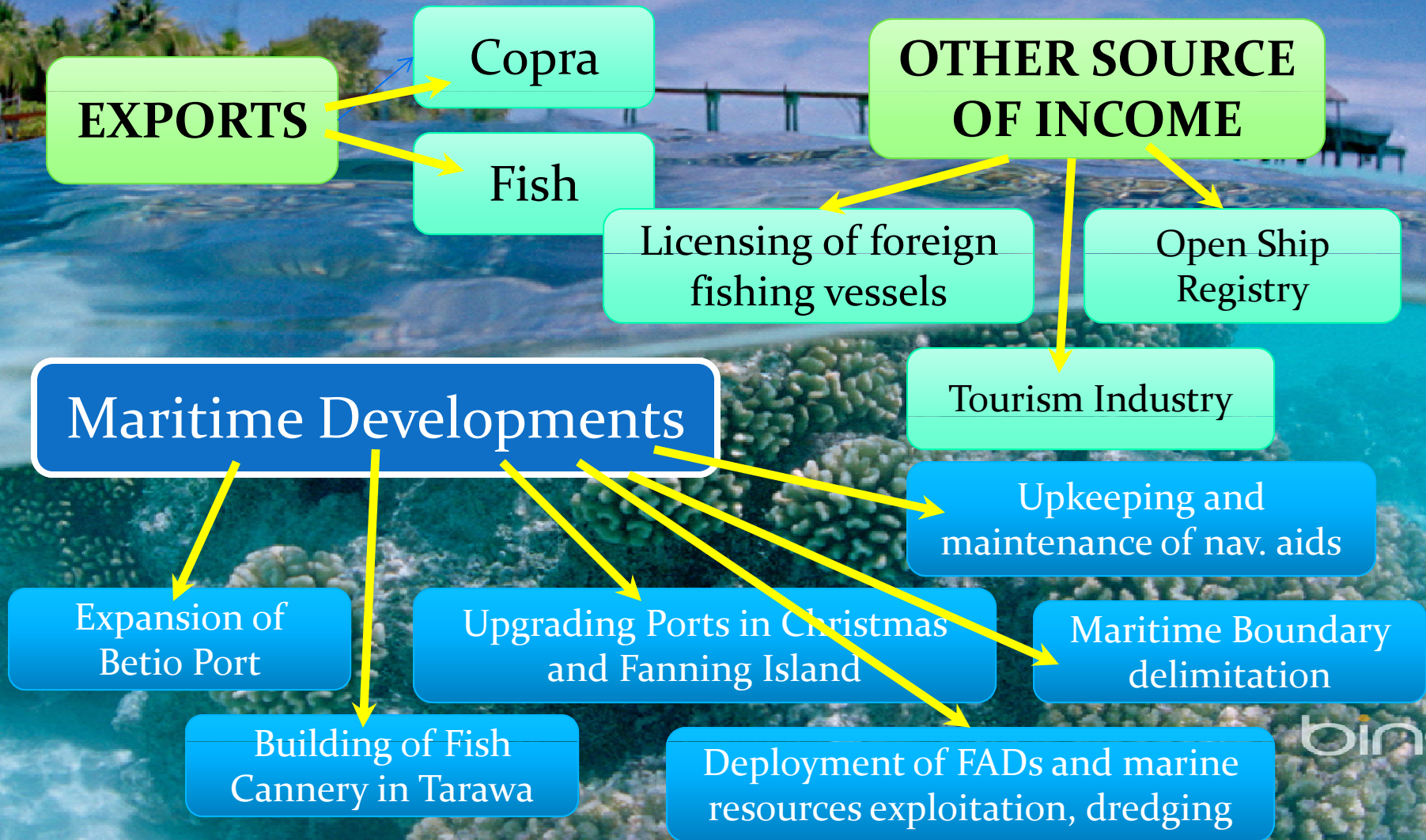
Phoenix Group (8 islands) : 41  
(Kanton Island : 41)

Gilbert Group (17 islands) : 83,683  
(Tarawa Island : 45,989)

Line Group (8 islands) : 8,309  
(Teeraina Island : 1,155)  
(Fanning Island : 2,539)  
(Christmas Island : 5,115)



# Economy & Maritime Developments



# Hydrography in General

- Nautical Charts

- total of 14 Charts covering the whole of Kiribati,
- published by UKHO at varying scales,
- all except one are referenced to old datum and soundings in fathoms,
- published in the 1950s and 1960s from surveys with data obtained around 1943 and earlier,
- only BA 731 (Gilbert Group) published in 1994.

# Hydrography in General

BA Chart	Title	Published Year (Last NTM/year)	NTMs since Publication
102	Plans in the Central Pacific, Malden Island and Malden Island Anchorage	21 Feb 1964 (4445/06)	2
184	Pacific Ocean, Plans of the Phoenix Islands	19 May 1950 (2382/80)	15
700	Pacific Ocean, Gilbert Islands, Maiana to Marakei	17 Jul 1964 (4445/06)	10
731	Gilbert Group	22 Apr 1994 (Nil)	0
743	Pacific Ocean, Gilbert Islands, Abemama	12 Apr 1963 (1153/85)	1
755	Pacific Ocean, Gilbert Islands, Abaiang	17 Jul 1964 (1153/85)	1
767	Pacific Ocean, Gilbert Islands, Tabiteuea South Lagoon.	6 Jan 1966 (4445/06)	3
768	Pacific Ocean, Plans in the Gilbert Islands	27 Oct 1967 (4445/06)	2
1451	South Pacific Ocean, Phoenix Islands, Canton Island Lagoon Entrance	2 Apr 1954 (4445/06)	2
2867	Plans in the North Pacific Ocean	28 Mar 1959 (5694/07)	23
2971	North Pacific Ocean, Fanning Island	23 Apr 1898 (4445/06)	21
2993	Central Pacific Ocean, Plans in Christmas Island	20 Sep 1963 (4445/06)	5
2995	Pacific Ocean, Christmas Island, Approaches to Port London	31 Jan 1964 (4445/06)	6
3269	Pacific Ocean, Plans in the Gilbert Islands	13 Nov 1964 (5249/09)	28

# Hydrography in General

- Charts requiring immediate improvement
  - Port Betio, Tarawa
  - Butaritari Island
  - English Harbour, Fanning Island
  - Port London, Christmas Island
  - Kanton Island
  - all plans (large scale) in Gilbert group and Washington Island (Line Islands)

# Hydrography in General

- Promulgation of MSI
  - broadcasted locally by Radio Station,
  - sometimes through agents (emails),
  - BUT NOT SENT to PCA (UKHO) or Navarea Coordinator,
- Surveys and new data
  - none have been carried out to update charts,
  - Lands department focus on inland surveys only,
  - recent data/information have been identified by some other sources.



# Way Forward

- sought assistance from regional neighbors/agencies to carry out hydrographic surveys to update existing old charts,
- providing coherent MSI services and establishing a designated hydrographic authority for maintaining good communication link with PCA and Navarea Coordinator,
- develop minimal capability for hydrographic information gathering,
- participate in bilateral arrangements for production of Kiribati charts,

(fulfilling our obligations under SOLAS (V/Regs 4 & 9),  
and ensuring compliance to voluntary IMO Member State  
Hydrography Audit scheme which is most likely in 2015)

