

# ICCAT geographical definitions

(Version: 2016.02 EN)

The International Commission for the Conservation of Atlantic Tunas is responsible for the conservation of tunas and tuna-like species in the **Atlantic Ocean and adjacent seas (Convention Area)**.

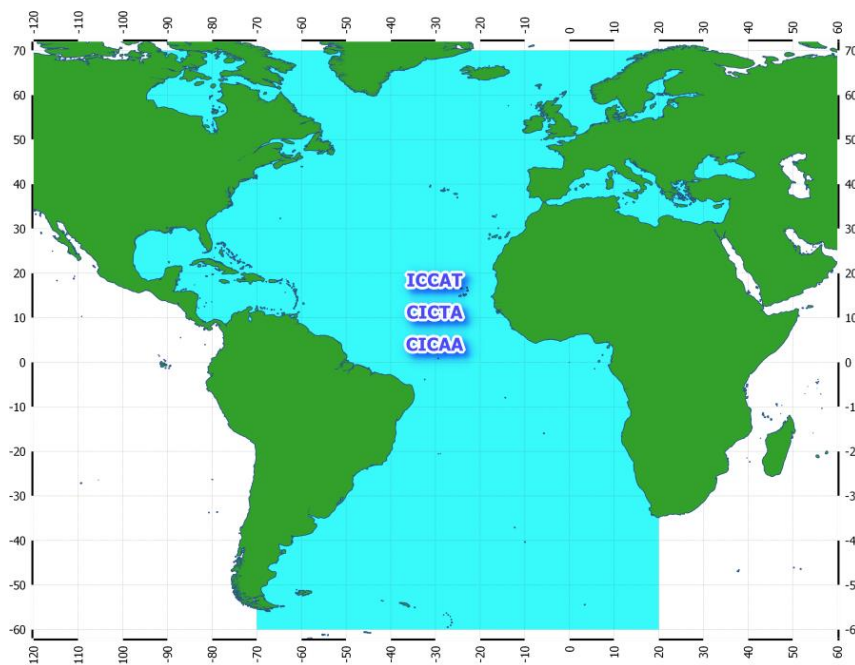


Figure 1 ICCAT Convention Area (blue)

## 1. Sampling Areas and Stocks/Statistical Areas

The ICCAT Scientific Committee (SCRS) undertook in 2015 a comprehensive revision of the ICCAT Sampling Areas (SA), aiming to simplify (eliminate gear dependencies on tropical species, etc.) and standardize the nomenclature, contributing this way to the improvement of the submission of fisheries statistics. This ongoing task will be completed during 2016. The number of SA's by species Stock/Stat Area is presented in the **Table 2**.

Table 1 Number of Sampling Areas by species within each Stock / Statistical Area

Species group	Species code	Stock code	Stat. Area (code)	Number of Sampling Areas
Temperate tunas	BFT	BFT-E	...	8
		BFT-W	...	11
	ALB	ALB-N	...	2
		ALB-S	...	2
		ALB-M	...	1
Tropical tunas	BET	BET-A	...	13
	YFT	YFT-A	ATE	8
			ATW	8
	SKJ	SKJ-E	...	7
		SKJ-W	...	5
Billfishes	SWO	SWO-N	...	6
		SWO-S	...	2
		SWO-M	...	1
	BUM	BUM-A	...	9
	WHM	WHM-A	...	9
	SAI	SAI-E	...	4
		SAI-W	...	5
	SPF	SPF-E	...	4
		SPF-W	...	5
	Other species	...	...	AT-NE
...		...	AT-NW	4
...		...	AT-SE	1
...		...	AT-SW	1
...		...	MD	1

The maps by species (or species groups) are present next.

# 1 Maps (temperate tunas)

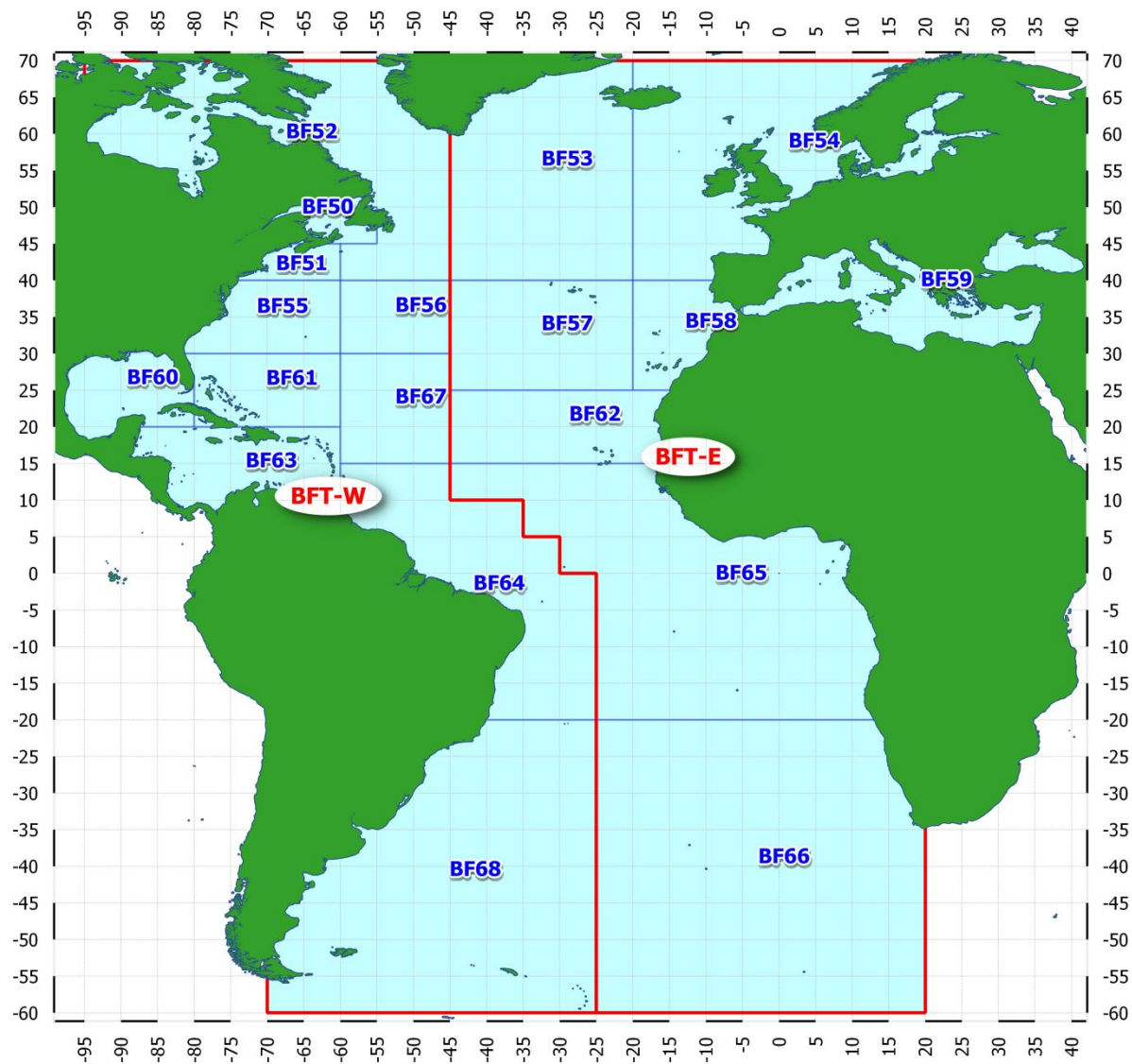
## 1.1 BFT (*Thunnus thynnus*)

Name (UK): Atlantic bluefin tuna  
 Name (FR): Thon rouge de l'Atlantique  
 Name (ES): Atún rojo del Atlántico

Stocks: 2  
 Stat. areas: n/a  
 SA's: 19

SA codes by Stock

Stock code	SA code	
BFT-E	BF53	
	BF54	
	BF57	
	BF58	
	BF59	
	BF62	
	BF65	
	BF66	
	BFT-W	BF50
		BF51
BF52		
BF55		
BF56		
BF60		
BF61		
BF63		
BF64		
BF67		
BF68		



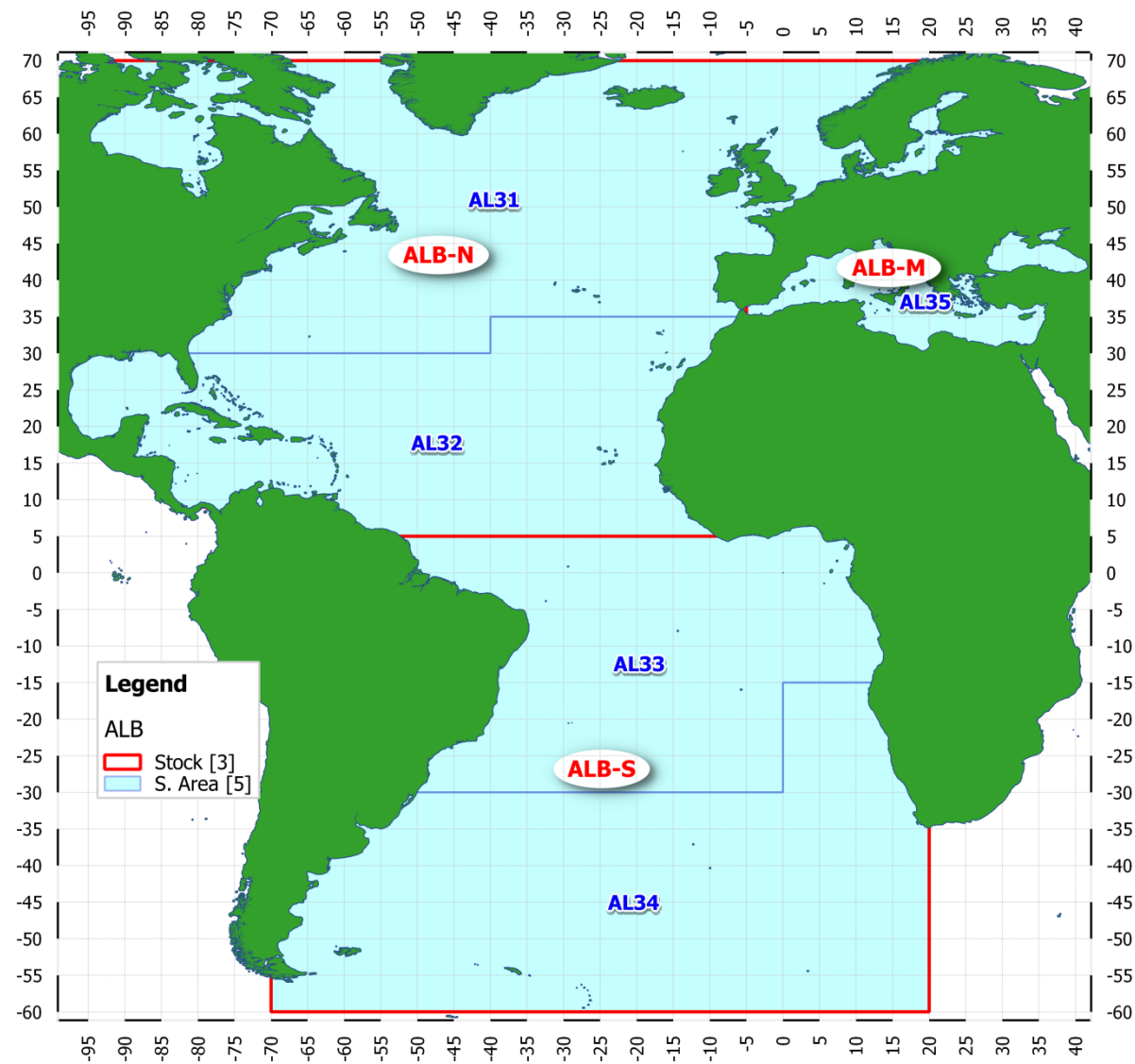
## 1.2 ALB (*Thunnus alalunga*)

Name (UK): Albacore  
 Name (FR): Germon  
 Name (ES): Atún blanco

Stocks: 3  
 Stat. areas: n/a  
 SA's: 5

SA codes by Stock

Stock code	SA code
ALB-N	AL31
	AL32
ALB-S	AL33
	AL34
ALB-M	AL35



## 2 Maps (tropical tunas)

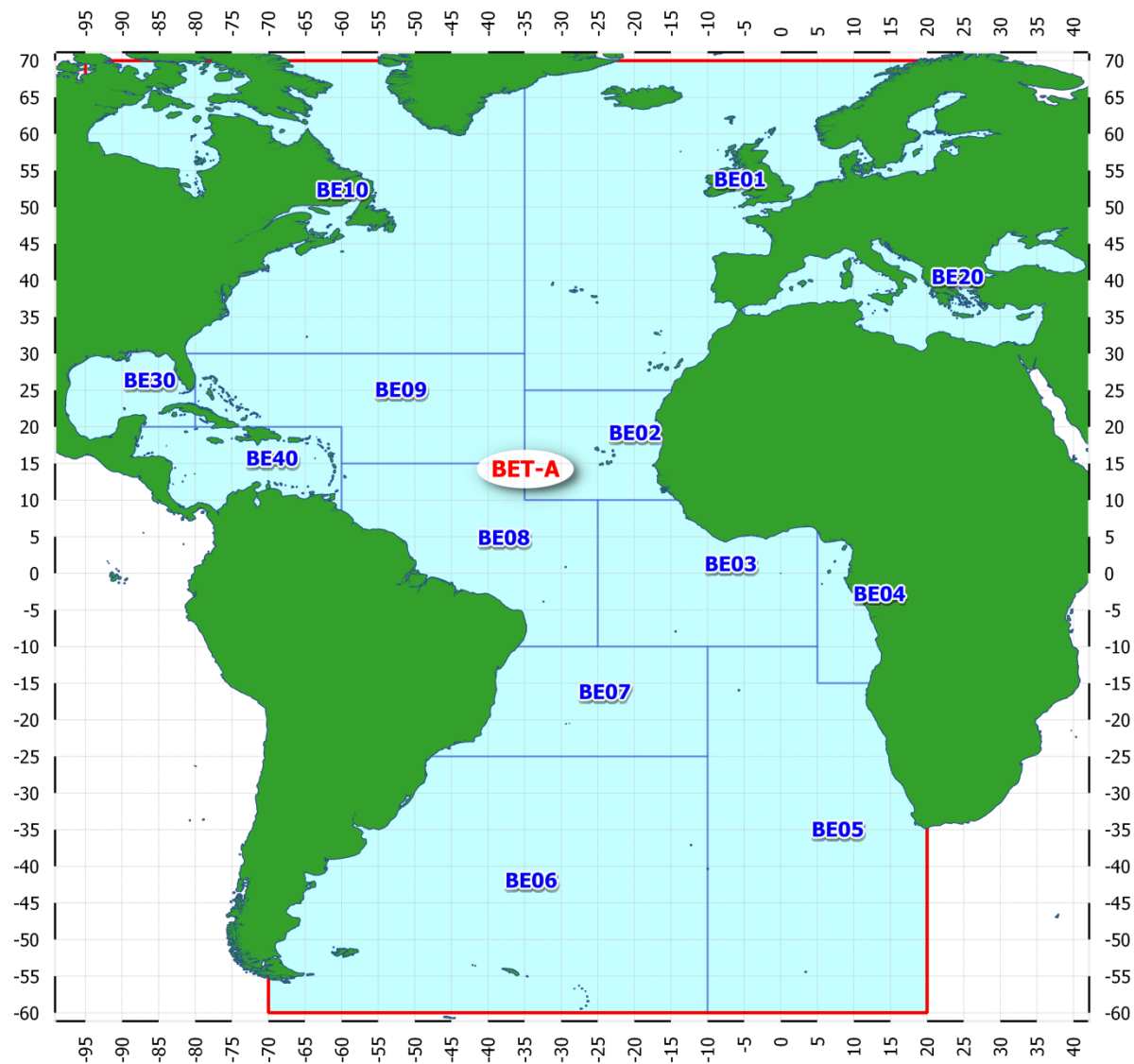
### 2.1 BET (*Thunnus obesus*)

Name (UK): Bigeye tuna  
Name (FR): Thon obèse  
Name (ES): Patudo

Stocks: 1  
Stat. areas: n/a  
SA's: 13

SA codes by Stock

Stock code	SA code
BET-A	BE01
	BE02
	BE03
	BE04
	BE05
	BE06
	BE07
	BE08
	BE09
	BE10
	BE20
	BE30
	BE40



## 2.2 YFT (*Thunnus albacares*)

Name (UK): Yellowfin tuna

Name (FR): Albacore

Name (ES): Rabil

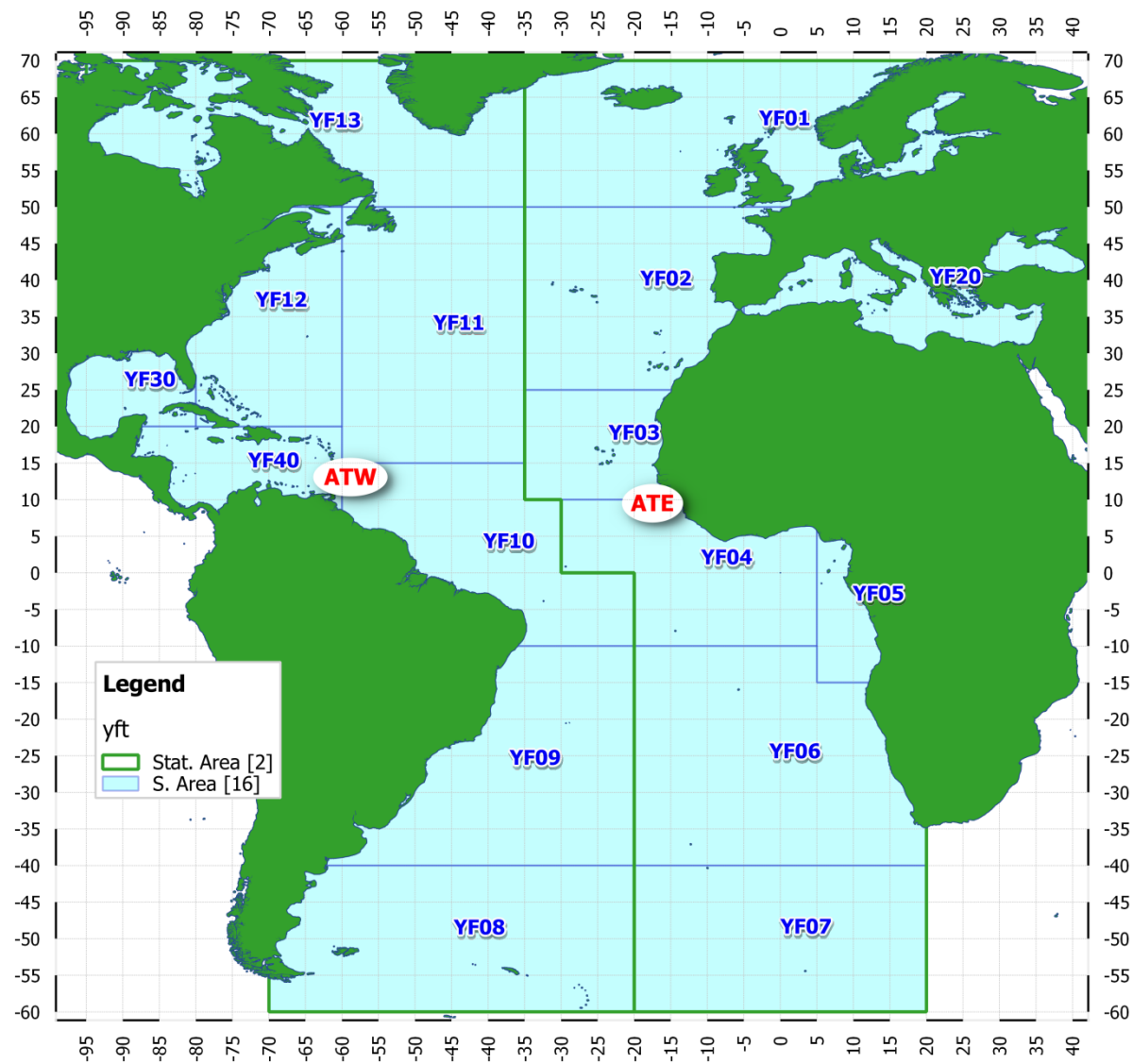
Stocks: 1

Stat. areas: 2

SA's number: 16

SA codes by Stock and Statistical area

Stock code	Stat. area	SA code
YFT-A	ATE	YF01
		YF02
		YF03
		YF04
		YF05
		YF06
		YF07
		YF20
	ATW	YF08
		YF09
		YF10
		YF11
		YF12
		YF13
		YF30
		YF40



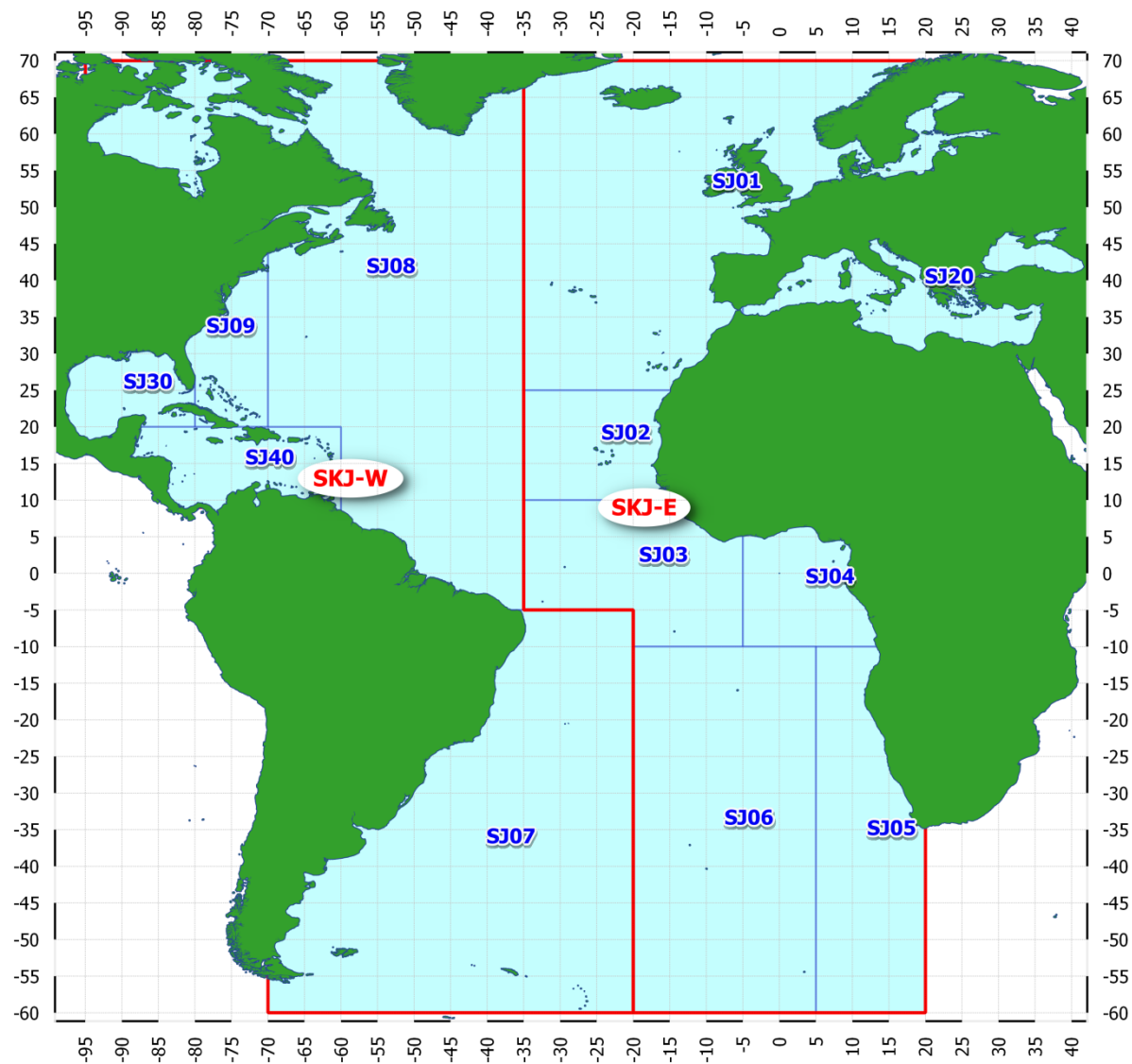
### 2.3 SKJ (*Katsuwonus pelamis*)

Name (UK): Skipjack tuna  
 Name (FR): Listao  
 Name (ES): Listado

Stocks: 2  
 Stat. areas: n/a  
 SA's: 12

SA codes by Stock

Stock code	SA code
SKJ-E	SJ01
	SJ02
	SJ03
	SJ04
	SJ05
	SJ06
	SJ20
SKJ-W	SJ07
	SJ08
	SJ09
	SJ30
	SJ40



### 3 Maps (billfishes)

#### 3.1 SWO (*Xiphias gladius*)

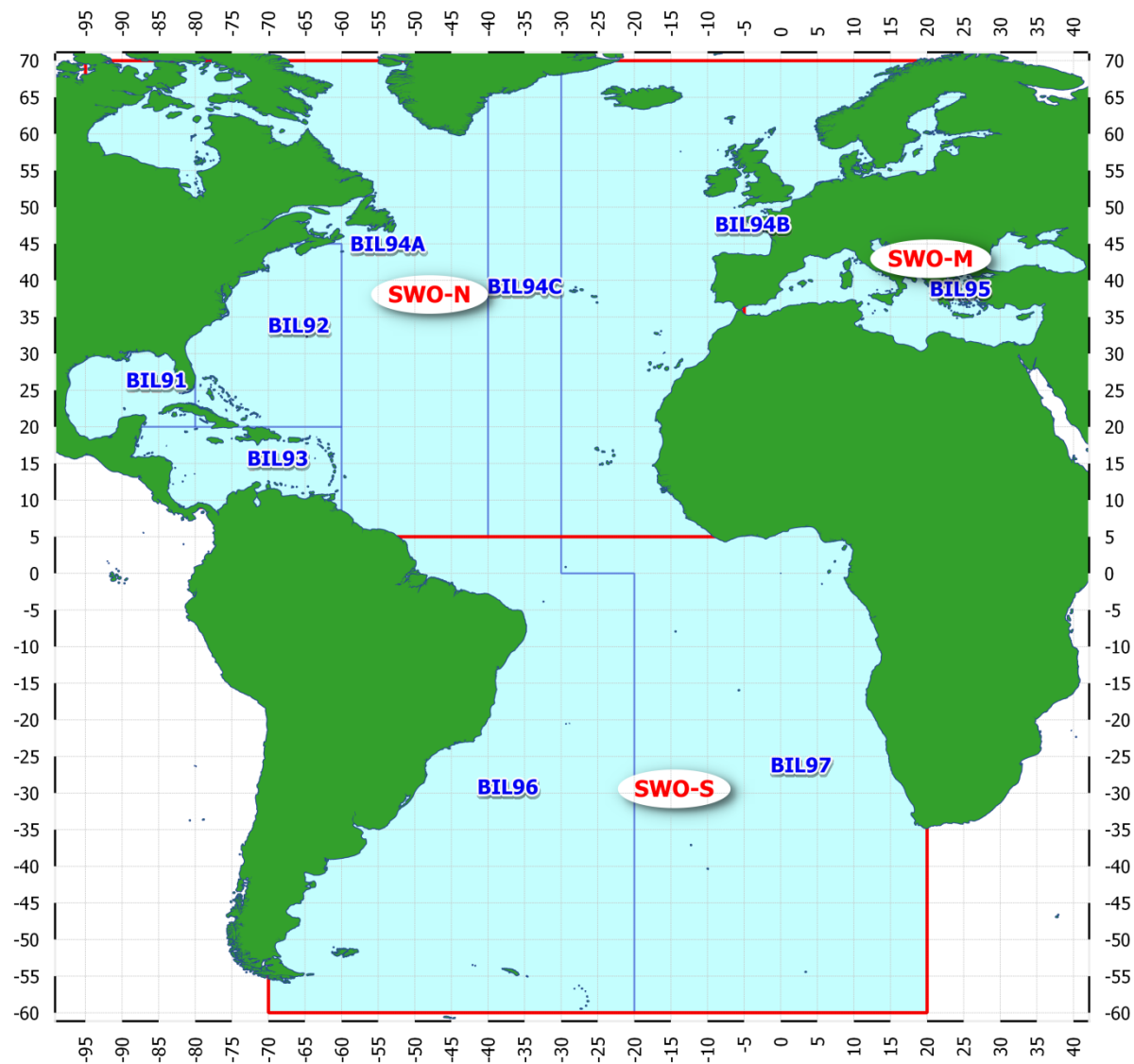
Name (UK): Swordfish  
 Name (FR): Espadon  
 Name (ES): Pez espada

Stocks: 3  
 Stat. areas: n/a  
 SA's: 9

SA codes by Stock

Stock code	SA code (*)
SWO-N	BIL91
	BIL92
	BIL93
	BIL94A
	BIL94B
SWO-S	BIL96
	BIL97
SWO-M	BIL95

\* Under revision (changes expected in near future)



### 3.2 BUM (*Makaira nigricans*)

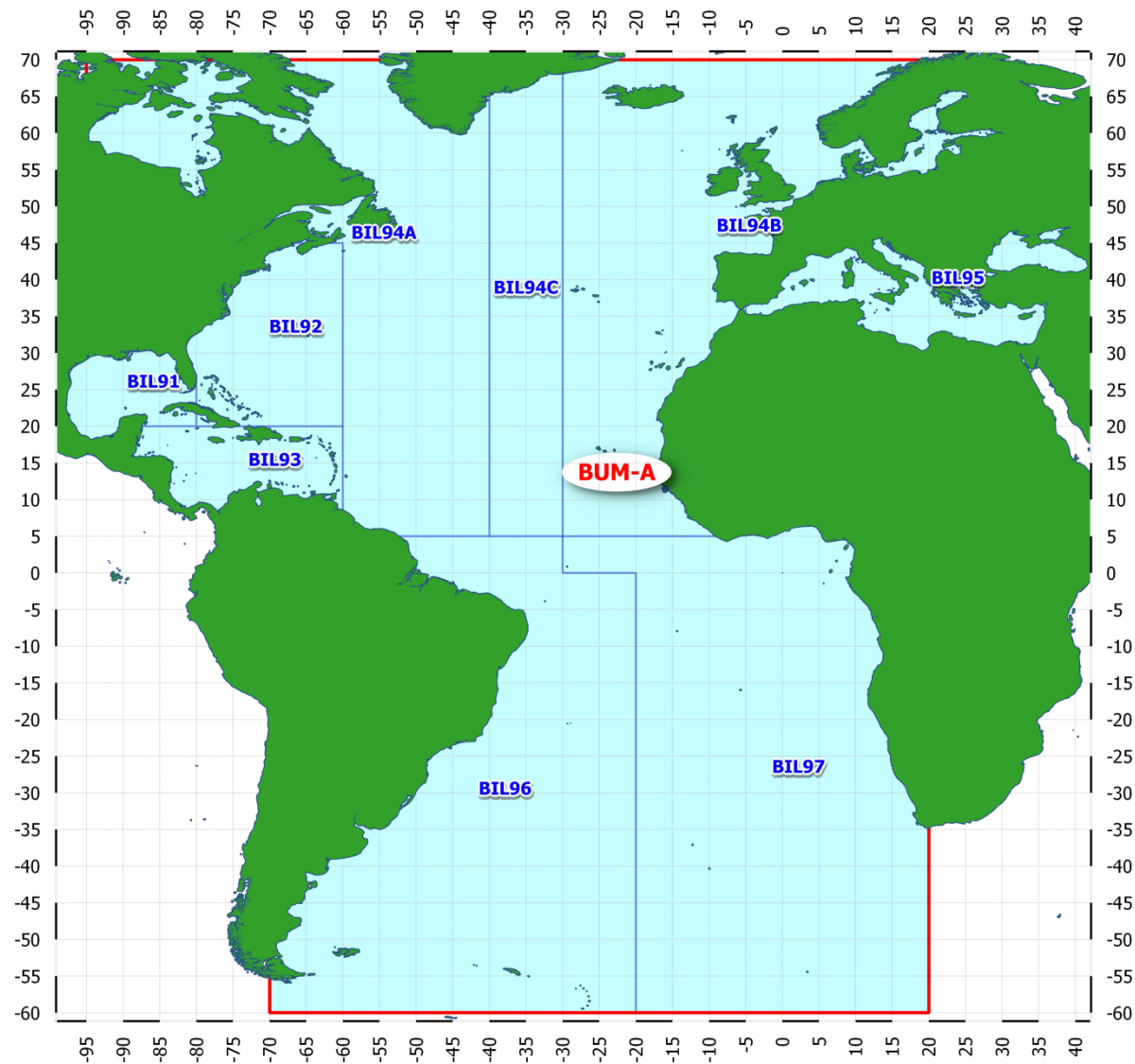
Name (UK): Atlantic blue marlin  
 Name (FR): Makaire bleu de l'Atlantique  
 Name (ES): Aguja azul del Atlántico

Stocks: 1  
 Stat. area: n/a  
 SA's: 9

SA codes by Stock

Stock code	SA code (*)
BUM-A	BIL91
	BIL92
	BIL93
	BIL94A
	BIL94B
	BIL94C
	BIL95
	BIL96
	BIL97

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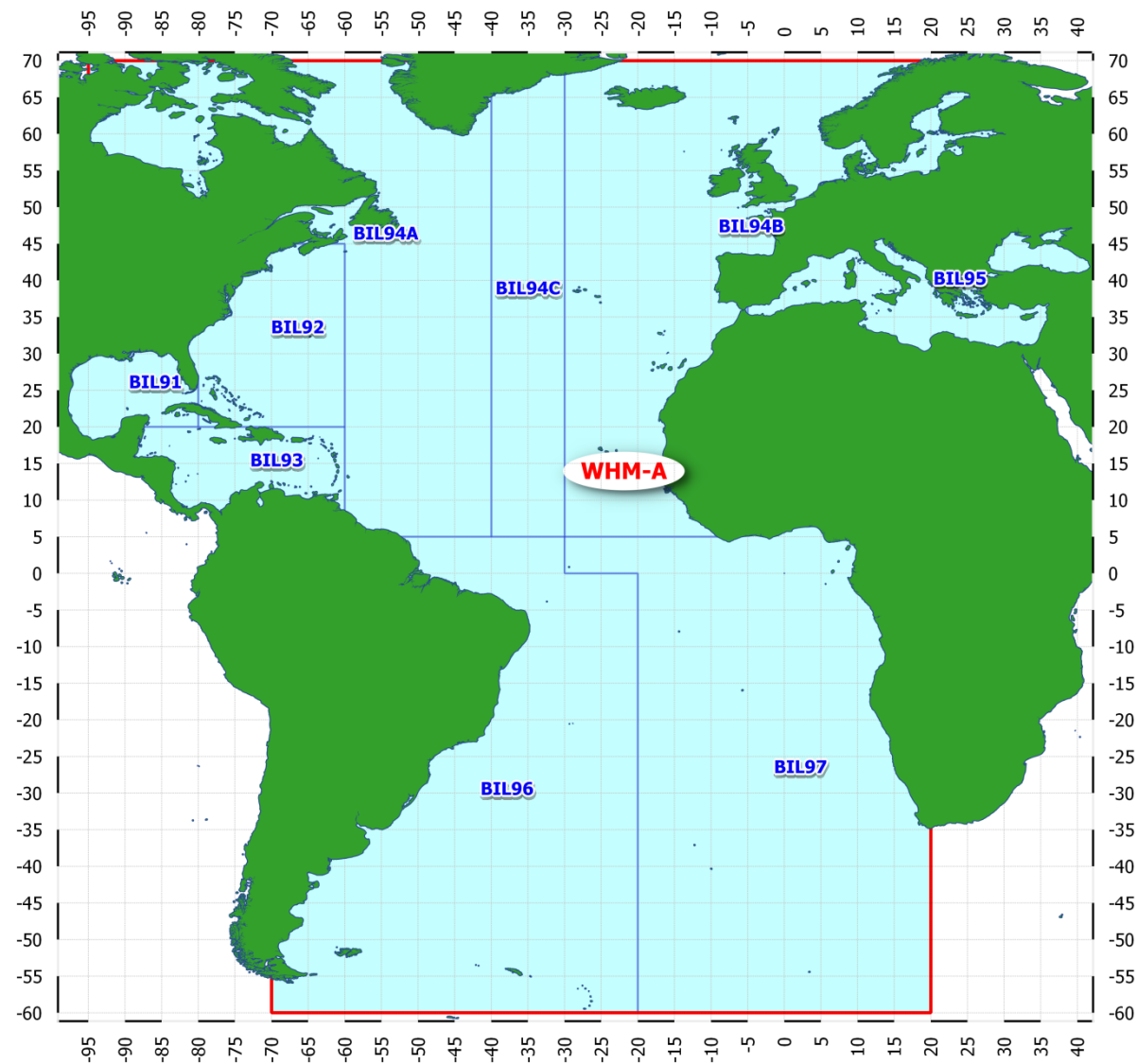
### 3.3 WHM (*Tetrapturus albidus*)

Name (UK): Atlantic white marlin  
 Name (FR): Makaire blanc de l'Atlantique  
 Name (ES): Aguja blanca del Atlántico  
 Stocks: 1  
 Stat. areas: n/a  
 SA's number: 9

SA codes by Stock

Stock code	SA code
WHM-A	BIL91
	BIL92
	BIL93
	BIL94A
	BIL94B
	BIL94C
	BIL95
	BIL96
	BIL97

\* Under revision (changes expected in near future)



### 3.4 SAI (*Istiophorus albicans*)

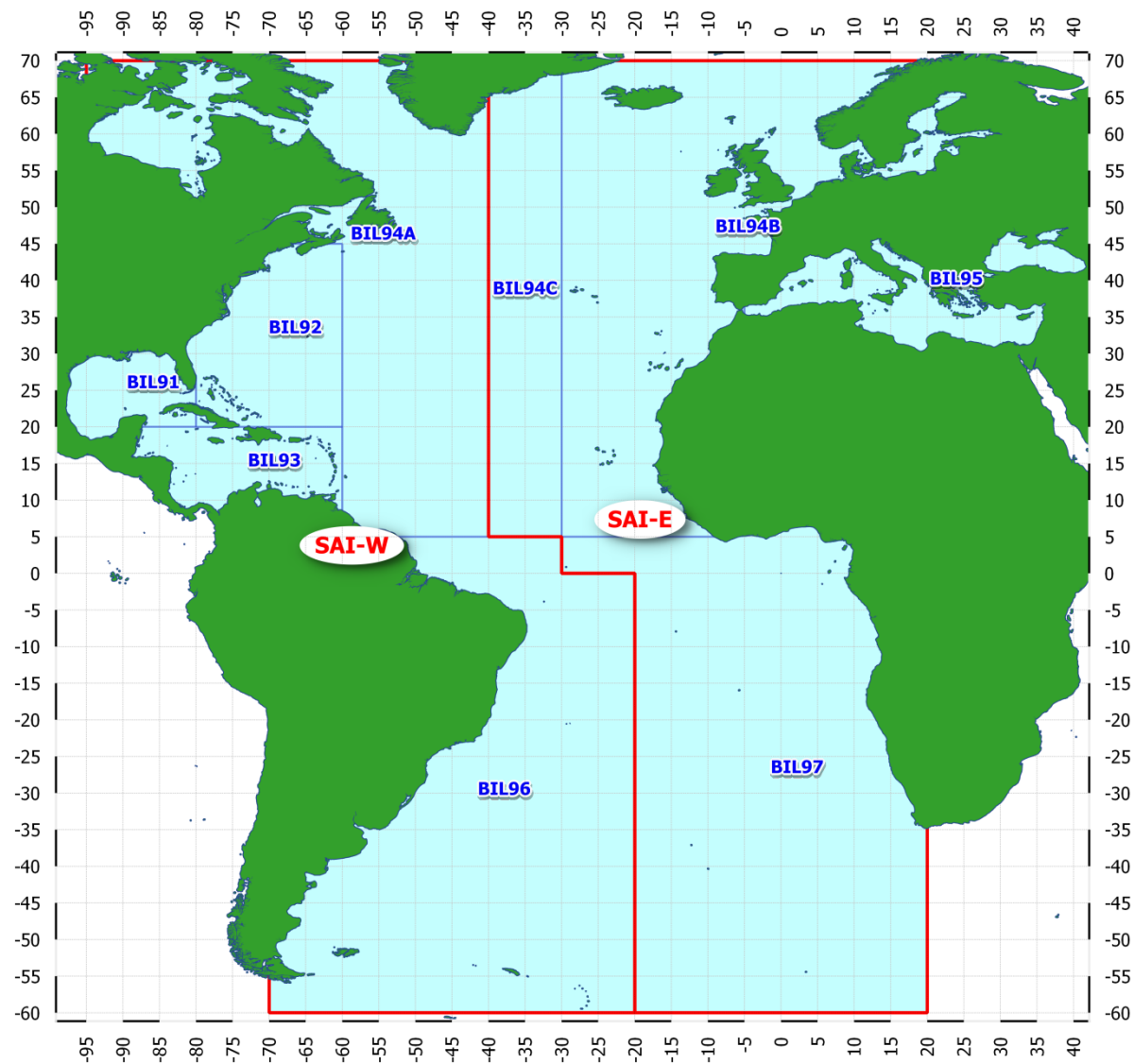
Name (UK): Atlantic sailfish  
 Name (FR): Voilier de l'Atlantique  
 Name (ES): Pez vela del Atlántico

Stocks: 2  
 Stat. areas: n/a  
 SA's: 9

SA codes by Stock

Stock code	SA code
SAI-E	BIL94B
	BIL94C
	BIL95
	BIL97
SAI-W	BIL91
	BIL92
	BIL93
	BIL94A
	BIL96

\* Under revision (changes expected in near future)



### 3.5 SPF (*Tetrapturus pfluegeri*)

Name (UK): Longbill spearfish

Name (FR): Makaïre bécune

Name (ES): Aguja picuda

Stocks: 2

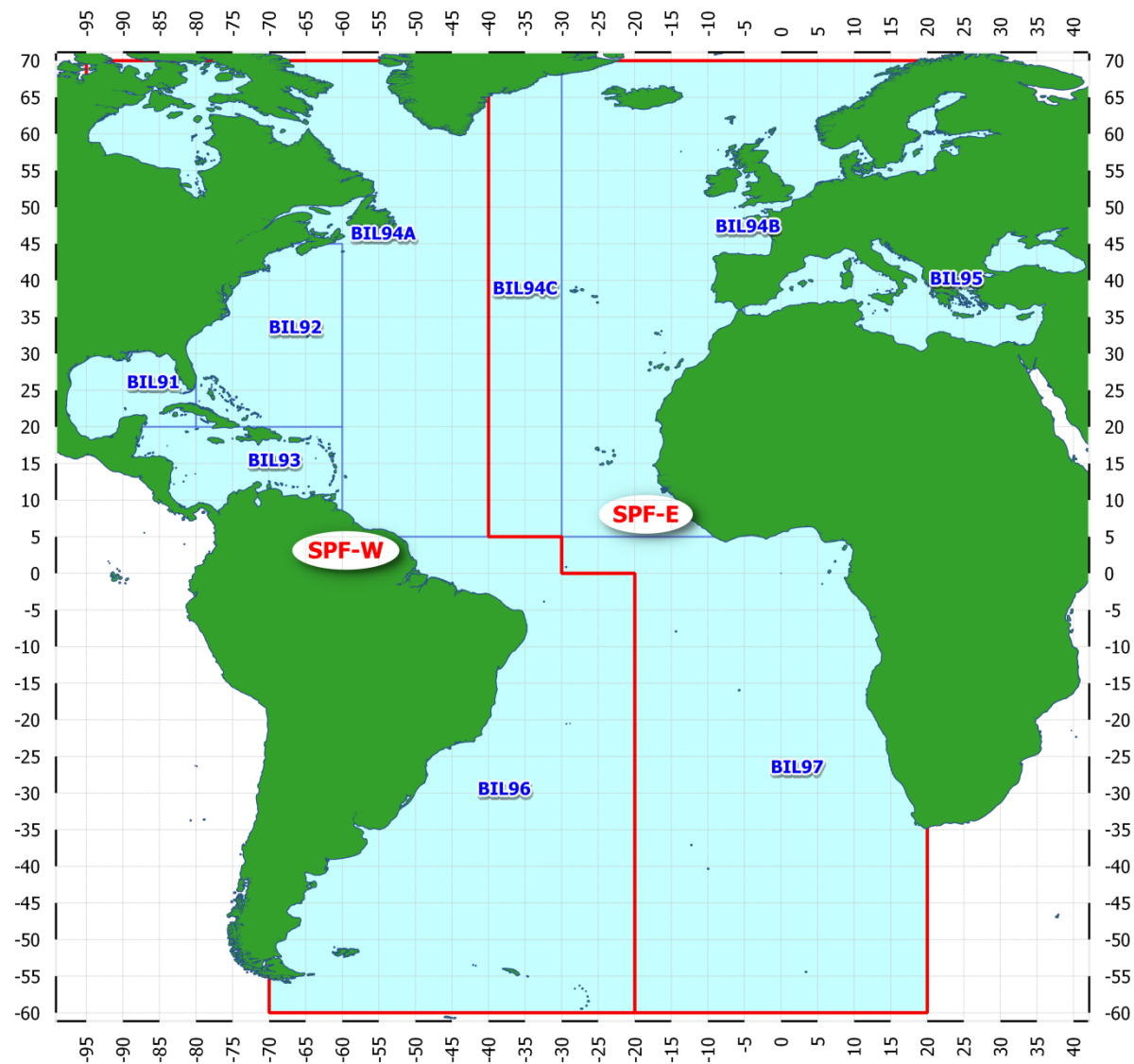
Stat. areas: n/a

SA's number: 9

SA codes by Stock

Stock code	SA code
SPF-E	BIL94B
	BIL94C
	BIL95
	BIL97
SPF-W	BIL91
	BIL92
	BIL93
	BIL94A
	BIL96

\* Under revision (changes expected in near future)



## 4 Maps (rest of species)

All the remainder ICCAT species included in the groups:

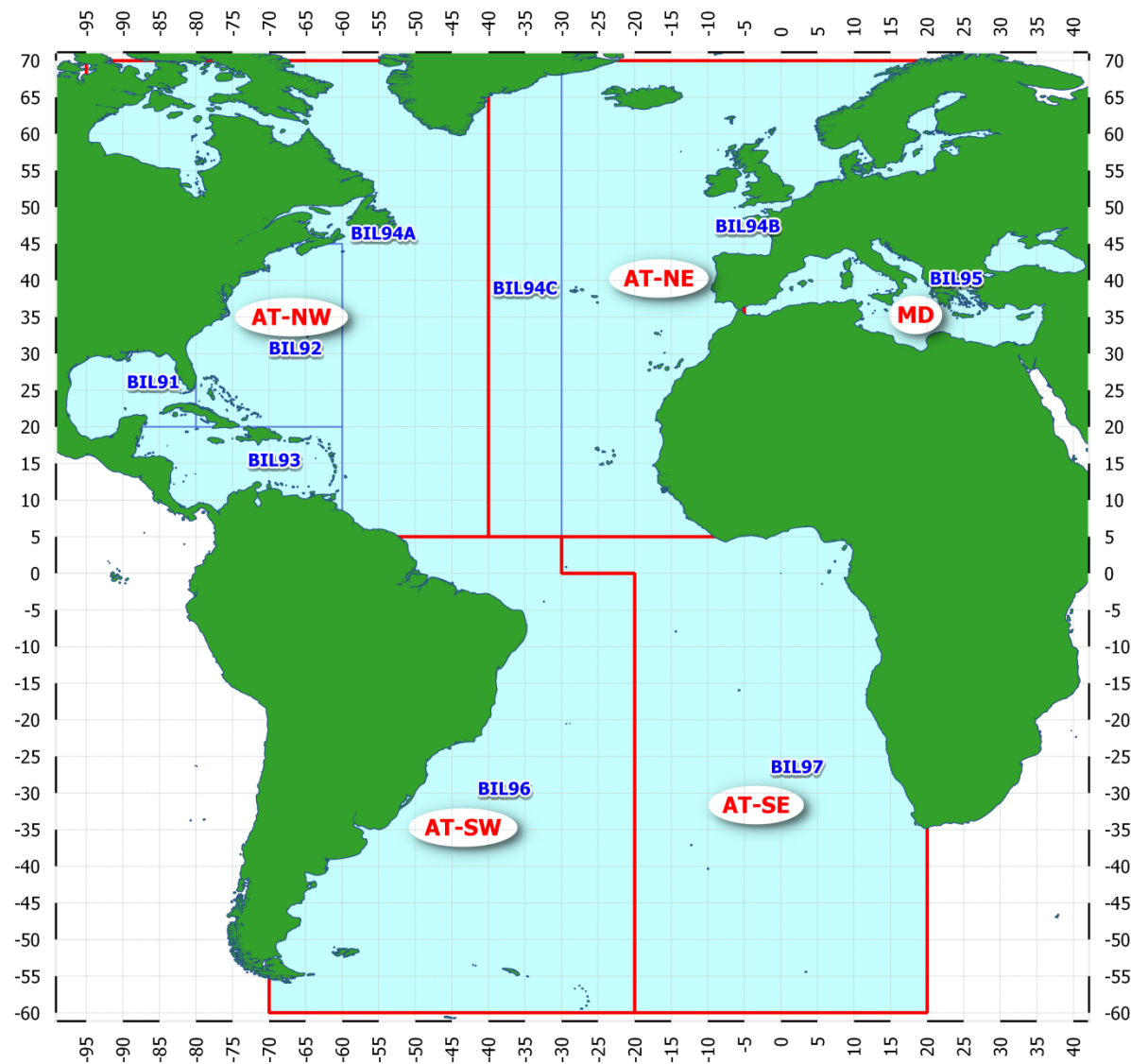
- Major sharks
- Small tuna (major sp.)
- Other small tunas
- Other tuna & tuna like
- Other sharks
- Rest of species in ICCAT list

Stocks: n/a  
 Stat. areas: 5  
 SA's: 9

SA codes by Stat. Area

MU code	SA code
AT-NE	BIL94B
	BIL94C
AT-NW	BIL91
	BIL92
	BIL93
	BIL94A
AT-SE	BIL97
AT-SW	BIL96
MD	BIL95

\* Under revision (changes expected in near future)



## 5 The ICCAT standard geographical system for higher resolution data

Reporting of fisheries statistics with high spatial-temporal resolution in Task II data, ensures that the Commission has the most complete and current statistics available concerning fishing activities in the Convention area as well as biological information on the stocks that are fished. To compile geographical information (usually Task II data) in higher resolution, ICCAT uses a particular set of four elements (figure below):

- Grid type (rectangles, squares)
- Quadrant (geographic quadrants)
- Latitude (positive integer)
- Longitude (positive integer)

Grid types<sup>1</sup> (ID in parenthesis):

- 1x1 (5): squares of 1 by 1 degrees
- 5x5 (6): squares of 5 by 5 degrees
- 5x10 (1): rectangles of 5 degrees Latitude and 10 degrees Longitude
- 10x10 (3): squares of 10 by 10 degrees
- LatLon (7): geographic position “proxy” (decimal degrees, rounded to 2 decimals)

Quadrants (ID in parenthesis): “clockwise” sequence of the four geographical quadrants

- NE (1): North East
- SE (2): South East
- SW (3): South West
- NW (4): North West

Latitude (Lat):

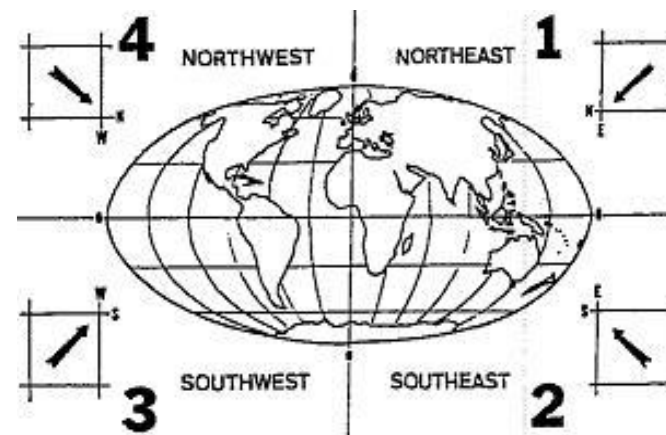
- Covers all the possible Latitudes of the ICCAT Convention Area (i.e.: in range [60S, 70N[ )
- Indicates the Latitude of corner of the Rectangle closest to the equator (Lat/Lon = {0, 0})
- Must be a multiple of the **first** element of grid type (e.g.: for 5x10 squares, Latitude must be a multiple of 5 degrees)

Longitude (Lon):

- Covers all the possible Longitudes of the ICCAT Convention Area (i.e.: in range [45E, 98W[ )
- Indicates the Longitude of corner of the Rectangle closest to the equator (Lat/Lon = {0, 0})
- Must be a multiple of the **second** element of grid type (e.g.: for 5x10 squares, Longitude must be a multiple of 10 degrees).

Examples:

Case	Grid boundaries	Grid type ID / Quadrant ID / Lat. / Lon.
A 5x10 rectangle type in NW (4) of Latitude 30 and Longitude 40	$30N \leq Lat < 35N$ AND $40W \leq Lon < 50W$	1 / 4 / 30 / 40
A 5x5 square type in SW (3) of Latitude 15 and Longitude 20	$15S \leq Lat < 20S$ AND $20W \leq Lon < 25W$	6 / 3 / 15 / 20
A 1x1 square type in NE (1) of Latitude 36 and Longitude 14	$36N \leq Lat < 37N$ AND $14E \leq Lon < 15E$	5 / 1 / 36 / 14



<sup>1</sup> Grid types currently in force. Larger grid types (10x20, 20x20) were discontinued since 2007.