Dear Boris,

Thank you sincerely for submitting assessments to the Myers II database. We have entered 2 of your assessments, and now wish to quality assure/quality control (QA/QC) these data for a release version of the database. Please follow the steps below to ensure that your assessments have been dutifully represented:

QA/QC steps

For each assessment:

- 1. Ensure that the General assessment details are correct.
- 2. Ensure that the units for all Biometrics and Time Series shown are correct. To aid in this, we have included the minimum, maximum, first year, and last year of the spawning stock biomass, recruitment, fishing mortality, total biomass, and catch (where provided).
- 3. If there are blank values in the Biometrics table, please include these in your response (see below), where they are available. Please note that in the Biometrics table, the following abbreviations are used:
 - SSB-AGE-yr = Ages for which the spawning stock biomass is defined
 - REC-AGE = Age at recruitment
 - F-AGE-yr = Ages for which the fishing mortality is defined
 - TB-AGE-yr = Ages for which the total biomass is defined
 - M = Natural mortality
 - A50-yr = The age at 50% maturity
 - L50-cm = The length at 50% maturity
 - MORATOR-yr-yr = Moratorium years
 - LME = Large Marine Ecosystem
- 4. To ensure that the recruitment time series has been offset by the age at recruitment so that yearclass matches up with spawner biomass, please make sure that the difference between the last year of the recruitment and last year of the SSB time series is equal to the age at recruitment supplied (unless there is another reason, e.g. estimates unavailable).
- 5. Provide Large Marine Ecosystem (LME) designation(s) for your stock (unless it is a high seas stock). Please enter a primary, secondary and tertiary LME (if they exist) in the issue you submit (see below). A map of the LMEs is provided on the last page of this document.

QA/QC submission process

If you (or someone else) submitted the assessments via the RAM legacy site, please log into: http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting and locate the issue(s) associated with your spreadsheet submission(s). Once you locate your assessment, open the associated issue and choose 'Add response". At the top of this response write:

QAQC: Assessment ID (this ID is located at the top of each assessment in the current document)

If you did not submit via the RAM Legacy site, please go to the url above and click "Submit a new issue" with the title: *QAQC: Assessment ID* (located at the top of each assessment in this pdf).

If you found no issues with the QA/QC document, please type:

"QA/QC correct". If you have found issues, please update the assessment spreadsheet accordingly or write the details of corrections to be made in the dialogue box. Once we have received and processed your response, the assessment will be flagged as quality controlled and the data it contains will be used for analyses.

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QA/QC steps
QA/QC submission process
ICCAT-ALBANATL-1930-2006-WORM
ICCAT-ATBTUNAWATL-1970-2008-WORM
LME map

Assessment of North Atlantic albacore tuna (Thunnus alalunga) Assessment ID:ICCAT-ALBANATL-1930-2006-WORM

Area ID: USA-NMFS-NATL

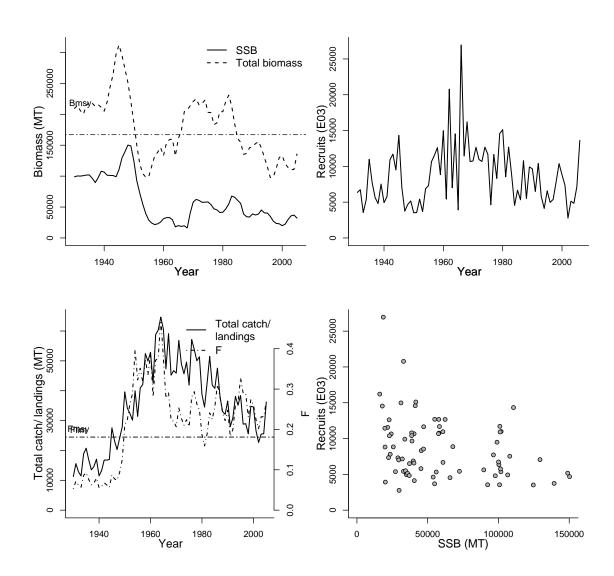
General assessment details.

Detail	Value
Management body	ICCAT
Assessment group	International Commission for the Conservation of Atlantic Tunas
Assessment authors	Anon.
Assessment method	Virtual Population Analysis
Publication year	2007
Timeseries span	1930-2006
Document	2007_ALB_STOCK_ASSESS_REP.pdf (pdf
	not in database)
Recorder	WORM
Date entered	2009-03-10

Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

Parameter	Value	Units	Reference points		
A50-yr	5	vr	Parameter	Value	Units
L50-cm	90	cm	Flim-1/T (F)	0.181	1/T
NATMORT-1/yr	0.3	1/yr	Fmsy-1/T (F)	0.181	1/T
REC-AGE		·	Fcurrent-1/T (F)	0.272	1/T
SSB-AGE-yr			NATMORT-1/yr (M)	0.3	1/yr
TB-AGE-yr			MSY-MT (TB)	30230	MT
F-AGE-yr			Bmsy-MT (TB)	167000	MT
M			F_{2005}/F_{lim}	1.490	
MORATOR-yr-yr			TB_{2005}/B_{msy}	0.813	
LME			F_{2005}/F_{msy}	1.490	

Time series minima and maxima							
	SSB	R	F	TB	Catch		
Minimum year	1930	1931	1930	1930	1930		
Maximum year	2005	2006	2005	2005	2005		
Time series minimum	16138	2770	0.05382	97677	11250		
Time series maximum	150260	26950	0.4781	312140	64633.908		
Units	MT	E03	1/T	MT	MT		



Assessment of Western Atlantic atlantic bluefin

tuna (*Thunnus thynnus*) Assessment ID:ICCAT-ATBTUNAWATL-1970-2008-WORM

Area ID: USA-NMFS-WATL

General assessment details.

Detail	Value
Management body	ICCAT
Assessment group	International Commission for the Con-
	servation of Atlantic Tunas
Assessment authors	Anon.
Assessment method	Virtual Population Analysis
Publication year	NULL
Timeseries span	1970-2008
Document	2008_BFT_STOCK_ASSESS_REP.pdf (pdf
	not in database)
Recorder	WORM
Date entered	2009-03-10

Biometrics provided. Note that the assumed timeseries to which the reference point pertains is indicated in parentheses.

			Reference points			
Parameter	Value	Units Parameter		Value	Units	
A50-yr	8	yr	yr Flim-1/T (F)		1/T	
L50-cm	190	cm	Fmax-1/yr (F)	0.19	1/yr	
M-1/yr	0.14	1/yr	Fmsy-1/T (F)	0.15	1/T	
NATMORT-1/yr	0.14	1/yr	Fcurrent-1/T (F)	0.19	1/T	
REC-AGE			NATMORT-1/yr (M)	0.14	1/yr	
SSB-AGE-yr			SSBmsy-MT (SSB)	15148	MT	
TB-AGE-yr			MSY-MT (TB)	2851.9	MT	
F-AGE-yr			Bmsy-MT (TB)	15148	MT	
M			Brebuild-MT (SSB)	15148	MT	
MORATOR-yr-yr			F_{2007}/F_{lim}	1.473		
LME			F_{2007}/F_{msy}	1.473		
			$SSB_{2007}/\tilde{S}SB_{msy}$	0.574		

Time series minima and maxima							
	SSB	R	F	TB	Catch		
Minimum year	1970	1971	1970		1970		
Maximum year	2007	2008	2007		2007		
Time series minimum	6511	9.486	0.094		1458		
Time series maximum	49482	481.004	1.183		6407		
Units	MT	E03	1/T		MT		

