

Dear Chris,

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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# Assessment of Eastern New Zealand hoki (*Macruronus novaezelandiae*)

Assessment ID: NZMFishHOKIWG-HOKIENZ-1972-2007-FRANCIS  
Issue URL: <http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/360>

Area ID: New Zealand-MFish-ENZ

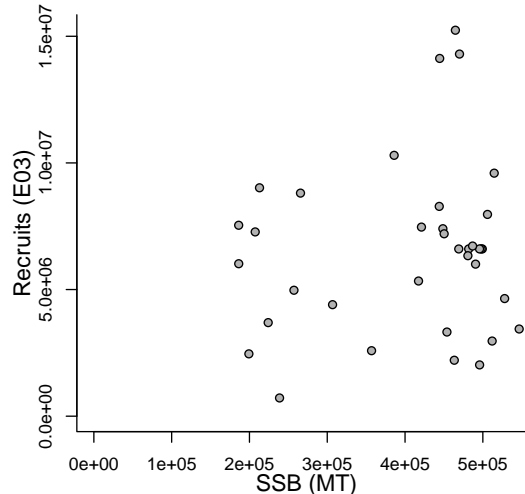
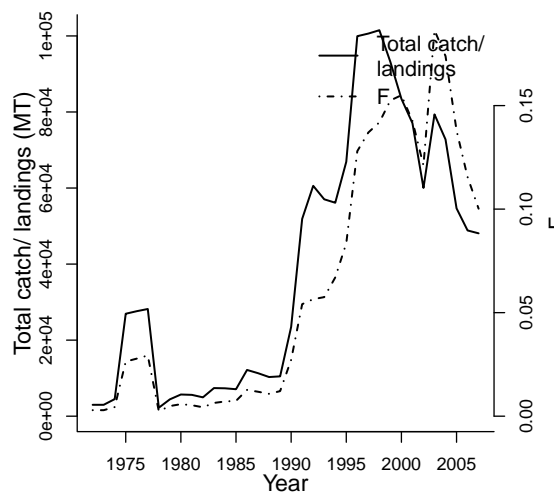
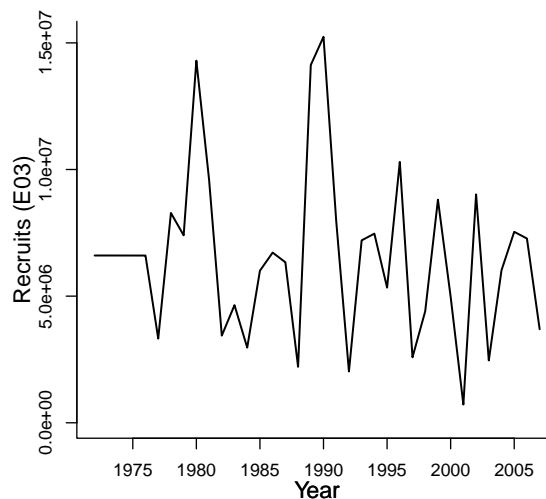
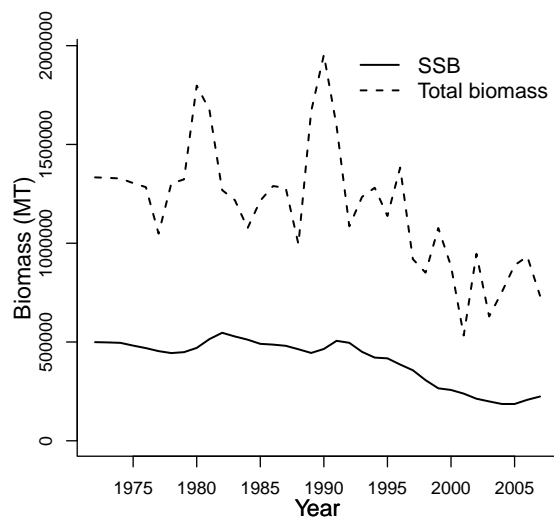
General assessment details.

Detail	Value
Management body	MFish
Assessment group	Hoki Working Group
Assessment authors	R.I.C.C. Francis
Assessment method	CASAL
Publication year	2008
Timeseries span	1972-2007
Document	FAR0804hok07.pdf (pdf in database)
Recorder	FRANCIS
Date entered	2008-09-18
Date last loaded	2009-06-09
QA/QC complete	NO
Date approved	

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

primary LME			secondary LME	tertiary LME	
46 - New Zealand Shelf			na	na	
Parameter	Value	Units			
SSB-AGE-yr		yr			
REC-AGE-yr	2	yr			
F-AGE-yr-yr		yr-yr	Reference points		
TB-AGE-yr	1	yr	Parameter	Value	Units
A50-yr		yr	BH-h-dimless	0.75	dimless
M-1/yr		1/yr			
M					
L50-cm					

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1972	1972	1972	1972	1972
Maximum year	2007	2007	2007	2007	2007
Time series minimum	186148	720110	0.0024	532901	2228
Time series maximum	546701	15239500	0.1864	1953697	101504
Units	MT	E03	none	MT	MT



# Assessment of Western New Zealand hoki (*Macruronus novaezelandiae*)

Assessment ID: NZMFishHOKIWG-HOKIWNZ-1972-2007-FRANCIS  
Issue URL: <http://www.marinebiodiversity.ca/RAMlegacy/ramlegacy-bug-reporting/359>

Area ID: New Zealand-MFish-WNZ

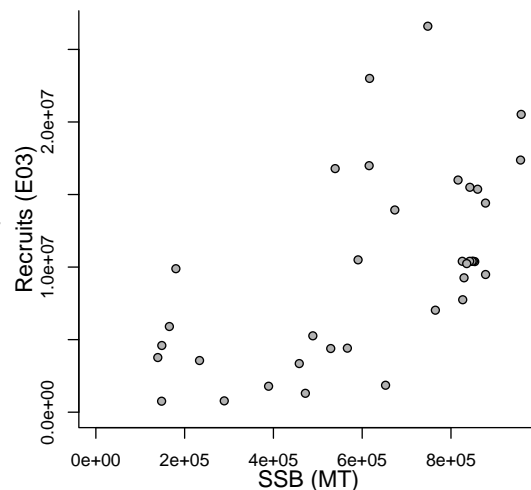
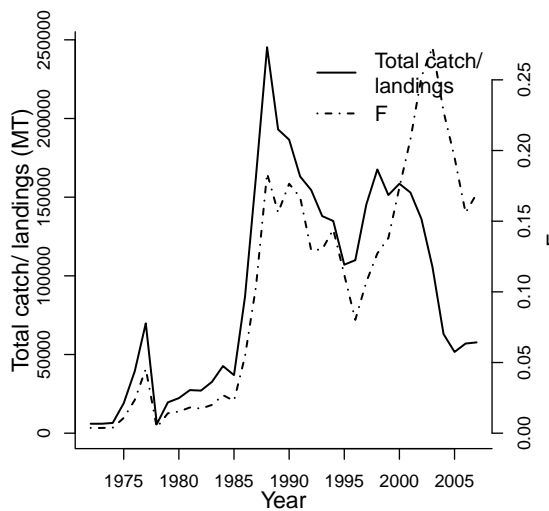
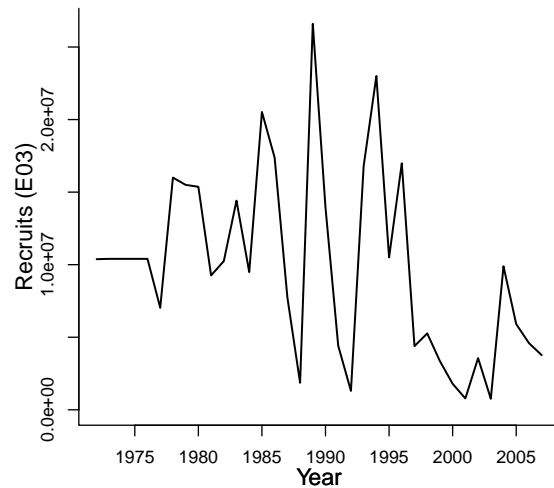
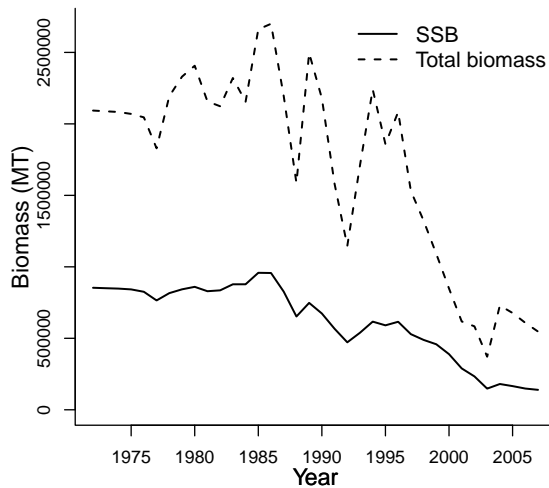
General assessment details.

Detail	Value
Management body	MFish
Assessment group	Hoki Working Group
Assessment authors	R.I.C.C. Francis
Assessment method	CASAL
Publication year	2008
Timeseries span	1972-2007
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Date entered	2008-09-18
Date last loaded	2009-06-09
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Date approved	

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

primary LME			secondary LME	tertiary LME	
46 - New Zealand Shelf			na	na	
Parameter	Value	Units	Reference points		
SSB-AGE-yr		yr	Parameter	Value	Units
REC-AGE-yr	2	yr			
F-AGE-yr-yr		yr-yr	BH-h-dimless	0.75	dimless
TB-AGE-yr	1	yr			
A50-yr		yr			
M-1/yr		1/yr			
M					
L50-cm					

Time series minima and maxima					
	SSB	R	F	TB	Catch
Minimum year	1972	1972	1972	1972	1972
Maximum year	2007	2007	2007	2007	2007
Time series minimum	139515	758594	0.0037	371333	5772
Time series maximum	958163	26599700	0.2731	2700076	245304
Units	MT	E03	none	MT	MT





# Large Marine Ecosystems of the World and Linked Watersheds

## MAP KEY:

- LME Numbers:**
1. East African Rift
  2. California Current
  3. Gulf of Mexico
  4. Northwest U.S. Continental Shelf
  5. Northeast U.S. Continental Shelf
  6. Labrador Current
  7. North Atlantic
  8. North Pacific
  9. North Atlantic
  10. North Pacific
  11. Pacific Central American Coastal
  12. Humboldt Current
  13. Benguela Current
  14. Patagonian Shelf
  15. Brazil Current
  16. East Brazil Shelf
  17. West Greenland Shelf
  18. West Greenland Shelf
  19. Barents Sea
  20. Barents Sea
  21. North Sea
  22. North Sea
  23. North Sea
  24. Celtic Shelf
  25. Iberian Coastal
  26. Iberian Coastal
  27. Canary Current
  28. Canary Current
  29. Benguela Current
  30. Benguela Current
  31. Somali Coastal Current
  32. Somali Coastal Current
  33. Red Sea
  34. Red Sea
  35. Gulf of Thailand
  36. Andaman Sea
  37. Andaman Sea
  38. Andaman Sea
  39. Andaman Sea
  40. Andaman Sea
  41. East China Sea
  42. East China Sea
  43. East China Sea
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  100. East China Sea

- Large Marine Ecosystems**
- Watershed Boundaries**
- Political Boundaries**

