Relevant reports for the EPO yellowfin tuna external review

The following is a list of documents that provide background information on the EPO yellowfin tuna assessment. The list under "MAIN DOCUMENTS" represent the core information that should be considered to understand the assessment. The remaining large list of documents provide information if a deeper understanding is desired about a particular subject. Most documents are available from the commission's website using the links provided below. The main documents and the journal publications can be downloaded from OneDrive (an email will be sent with instructions). Additional presentations and documents will be produced specifically for the review and are not currently listed here.

The Stock Synthesis files and R4SS plots are available for the 2019 assessment. However, this is the assessment that was considered unreliable for management advice by the IATTC staff. An improved model with different fishery structure and assumptions will be presented at the review meeting. The files for this assessment will be made available in due course.

MAIN DOCUMENTS

Primary assessment documents

Documents in STATUS OF THE TUNA AND BILLFISH STOCKS IN 2018. IATTC Stock assessment Report 20.

Update assessment

Stock Status indicators

https://www.iattc.org/PDFFiles/StockAssessmentReports/ English/No-20-2019 Status%20of%20the%20tuna%20and%20billfish%20stocks%20in%202018.pdf

Benchmark assessment

Documents in STATUS OF THE TUNA AND BILLFISH STOCKS IN 2015. IATTC Stock assessment Report 17.

3. Status of yellowfin tuna in the eastern Pacific Ocean in 2015 and outlook for the future by

https://www.iattc.org/PDFFiles/StockAssessmentReports/_Spanish/No-17-2018_Condicion%20de%20los%20stocks%20de%20atunes%20y%20peces%20picudos%20en%202015.pdf

REPORT ON THE TUNA FISHERY, STOCKS, AND ECOSYSTEM IN THE EASTERN PACIFIC OCEAN IN 2018

https://www.iattc.org/PDFFiles/FisheryStatusReports/ English/No-17-2019 Tuna%20fishery,%20stocks,%20and%20ecosystem%20in%20the%20eastern%20Pacific%20Ocean %20in%202018.pdf

Stock Synthesis files

The stock synthesis files for running the assessment and the plots produced by R4SS are available at https://www.iattc.org/StockAssessments/2019/YFTWebsite/SS output.html

Note that this is the assessment that was considered unreliable for management advice in 2019 by the IATTC staff. An improved model with different fishery structure and assumptions will be presented at the review meeting.

Documents from SAC 10

https://www.iattc.org/Meetings/Meetings2019/SAC-10/10th-Meeting-Scientific-Advisory-CommitteeENG.htm

Minte-Vera, C., Maunder, M.N., Aires-da-Silva, A., and Xu, H. 2019. EVALUATING INCONSISTENCIES IN THE YELLOWFIN ABUNDANCE INDICES. IATTC DOCUMENT SAC-10 INF-F

https://www.iattc.org/Meetings/Meetings2019/SAC-10/INF/_English/SAC-10-INF-F_Evaluating%20inconsistencies%20in%20the%20yellowfin%20abundance%20indices.pdf

Hall, M. and Román, M.H. 2019. THE FISHERY ON FISH-AGGREGATING DEVICES (FADs) IN THE EASTERN PACIFIC OCEAN. IATTC DOCUMENT SAC-10-05

https://www.iattc.org/Meetings/Meetings2019/SAC-10/Docs/ English/SAC-10-05 The%20fishery%20on%20FADs%20in%20the%20EPO.pdf

Documents related to the 2012 yellowfin review

Martell, S.J.D., de Bruyn, P., Davies, N.M., Ernst, B. 2013. Recommendations of the review panel on the IATTC assessment of yellowfin tuna. IATTC Special Report 20.

https://www.iattc.org/PDFFiles/SpecialReports/ English/No-20-2013-

MARTELL,%20STEVEN%20JD.%20Chair,%20PAUL%20DE%20BRUYN,%20NICK%20M.%20DAVIES%20and %20BILLY%20ERNST%20Panel%20Members Recommendations%20of%20the%20review%20panel%20on%20the%20IATTC%20assessment%20of%20yellowfin%20tuna.pdf

INTRODUCTION TO THE REVIEW OF THE ASSESSMENT OF

YELLOWFIN TUNA IN THE EASTERN PACIFIC OCEAN, 2012

http://www.iattc.org/Meetings/Meetings2012/YFT-01/Docs/_English/YFT-01-01_Introduction-to-review-2012-DRAFT.pdf

FOR INFORMATION

Yellowfin 2012 review

https://www.iattc.org/Meetings/Meetings2012/YFT-01/IATTC-YFT-External-Review-OctENG.htm

Martell, S.J.D., de Bruyn, P., Davies, N.M., Ernst, B. 2013. Recommendations of the review panel on the IATTC assessment of yellowfin tuna. IATTC Special Report 20.

https://www.iattc.org/PDFFiles/SpecialReports/ English/No-20-2013-

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IATTC. 2012. Introduction to the review of the assessment of yellowfin tuna in the Eastern Pacific Ocean, 2012. IATTC Document YFT-01-01.

Lennert-Cody, C.E., Maunder, M.N., Alexandre Aires-da-Silva. 2012. Exploring large-scale patterns in yellowfin tuna data from dolphin sets in the Eastern Pacific Ocean purse-seine fishery. IATTC Document YFT-01-02.

Lennert-Cody, C.E., Maunder, M.N., Aires-da-Silva, A., Pérez, A., Marrow, JDL. 2012. Poststratification of purse-seine port-sampling data from dolphin sets. IATTC Document YFT-01-02.

Maunder, M.N. and Aires-da-Silva, A. 2012. A review and evaluation of recruitment and the stock-recruitment relationship for the assessment and management of yellowfin tuna in the Eastern Pacific Ocean. IATTC Document. IATTC Document YFT-01-05.

Aires-da-Silva, A. and Maunder, M.N. 2012. An exploration of alternative methods to deal with time-varying selectivity in the stock assessment of yellowfin tuna in the Eastern Pacific Ocean. IATTC Document YFT-01-06.

Maunder, M.N. and Aires-da-Silva, A. 2012. A review and evaluation of natural mortality for the assessment and management of yellowfin tuna in the Eastern Pacific Ocean. IATTC Document YFT-01-07.

Maunder, M.N. and Aires-da-Silva, A. 2012. A review of historical EPO YFT stock assessment sensitivity analyses. IATTC Document YFT-01-08.

Bigeye 2019 review

(https://www.iattc.org/Meetings/Meetings2019/BET-02/ExternalReviewIATTCBigeyeTunaAssessmentENG.htm)

Punt, A.E. (Chair), Cadrin, S., Fu, D., Lorenzen, K., Methot, R., Piner, K., and Walter, J. Report from the 2nd REVIEW OF THE STOCK ASSESSMENT OF BIGEYE TUNA IN THE EASTERN PACIFIC OCEAN

IATTC. 2019. Modeling recruitment in the EPO bigeye tuna assessment. IATTC Document WSBET-02-01.

Minte-Vera, C., Lennert-Cody, C., Xu, H., Valero, J., Maunder, M., Schaefer, K. Fuller, D., Lopez, J., Oliveros-Ramos, R. and A. Aires-da-Silva. 2019. A stock structure for bigeye tuna in the Eastern Pacific Ocean. IATTC Document WSBET-02-02.

Minte-Vera, C., Xu, H., Vogel, N.W. Boster, J.E., Lennert-Cody, C., Maunder, M.N. and A. Aires-da-Silva. 2019. Data from longline fisheries. IATTC Document WSBET-02-03.

IATTC. 2019. Responses by the IATTC staff to the recommendation of the first external review of the bigeye stock assessment (2012). IATTC Document WSBET-02-04.

IATTC. 2019. Summary of purse-seine data available for bigeye tuna in the eastern Pacific Ocean. IATTC Document WSBET-02-05.

IATTC. 2019. Natural mortality used in the EPO bigeye assessment. IATTC Document WSBET-02-05.

IATTC. 2019. Growth used in the EPO bigeye tuna assessment. IATTC Document WSBET-02-07.

Valero, J.L., Maunder, M.N., Xu, H., Minte-Vera, C., Lennert-Cody, C. and A. Aires-da-Silva. 2019. Investigated potential causes of the misspecification-induced regime shift in recruitment in the EPS bigeye tuna assessment. IATTC Document WSBET-02-08

Valero, J.L., Maunder, M.N., Xu, H., Minte-Vera, C., Lennert-Cody, C. and A. Aires-da-Silva. 2019. Spatial stock assessment model options for BET in the EPO and beyond. IATTC Document WSBET-02-09.

Bigeye 2010 review

https://www.iattc.org/Meetings/Meetings2010/BET-01/Bigeye-AssessmentMay2010ENG.htm

Sibert, J.R., Harley, S.J., Ianelli, J.N. and A.E. Punt. 2012. External review of IATTC bigeye tuna assessment. IATTC Special Report 19. https://www.iattc.org/PDFFiles/SpecialReports/ English/No-19-2012-

SIBERT,%20JOHN%20R.%20Chair,%20SHELTON%20J.%20HARLEY,%20JAMES%20N.%20IANELLI%20and%20ANDRE%20E.%20PUNT%20Panel%20Members_External%20review%20of%20IATTC%20bigeye%20tuna%20assessment.pdf

Maunder, M.N., Aires-da-Silva, A. and C.E. Lennert-Cody. 2010. Summary of issues in the Eastern Pacific Ocean Bigeye Tuna Assessment. IATTC Document BET-01-01.

Lennert-Cody, C.E., Maunder, M.N., and Aires-da-Silva, A. 2010. Preliminary analysis of spatial-temporal pattern in bigeye tuna length-frequency distributions and catch-per-unit-effort trends. IATTC Document BET-01-02a.

Aires-da-Silva, A. and Maunder, M.N. 2010. An evaluation of spatial structure in the stock assessment of bigeye tuna in the Eastern Pacific Ocean. IATTC Document BET-01-02b.

Aires-da-Silva, A. and Maunder, M.N. 2010. Sensitivity analysis of bigeye stock assessment to alternative growth assumptions. IATTC Document BET-01-03.

Maunder, M.N. and Aires-da-Silva, A. 2010. Investigation of catch-per-unit-of-effort data used in the Eastern Pacific Ocean bigeye assessment model. IATTC Document BET-01-04.

Aires-da-Silva, A., Maunder, M.N., and Lennert-Cody, C.E. 2010. An investigation of the longline fishery length-frequency residual pattern in the stock assessment of bigeye tuna in the Eastern Pacific Ocean. IATTC Document BET-01-05.

Aires-da-Silva, A., Maunder, M.N., and Tomlinson, P.K. 2010. An investigation of the trend in the estimated recruitment for bigeye tuna in the Eastern Pacific Ocean. IATTC Document BET-01-06.

Maunder, M.N., Lennert-Cody, C.E., Aires-da-Silva, A., Bayliff, W.H., Tomlinson, P.K., and Schaefer, K.M. 2010. Summary of data available for bigeye tuna in the Eastern Pacific Ocean and its use in stock assessment. IATTC Document BET-01-07.

Other workshops

Workshop to improve the longline indices of abundance of bigeye and yellowfin tunas in the eastern Pacific Ocean - 11-15 February, 2019 - La Jolla, California, USA

https://www.iattc.org/Meetings/Meetings2019/OTM-30/WorkshoplimproveLonglineIndicesENG.htm

Workshop to evaluate bigeye and yellowfin tuna ageing methodologies and growth models in the Pacific Ocean - 23-25 January, 2019 - La Jolla, California, USA

https://www.iattc.org/Meetings/Meetings2019/OTM-28/WorkshopEvaluateBigeyeYellowfinENG.htm

3. Other relevant documents

Stock Assessment Report documents

Stock Assessment Report 17 consists of the following background documents, prepared for the 7th meeting of the IATTC Scientific Advisory Committee in 09-13 May 2016.

https://www.iattc.org/PDFFiles/StockAssessmentReports/_Spanish/No-17-2018 Condicion%20de%20los%20stocks%20de%20atunes%20y%20peces%20picudos%20en%202015.pdf

yellowfin and bigeye tunas by Carolina V. Minte-Vera, Alexandre Aires-da-Silva, Keisuke Satoh, and Mark N. Maunder
11. Application of harvest control rules for tropical tunas in the eastern Pacific Ocean by Mark N. Maunder and Richard B. Deriso
Stock Assessment Report 16 consists of the following background documents, prepared for the 6th meeting of the IATTC Scientific Advisory Committee in 11-15 May 2015.
https://www.iattc.org/PDFFiles/StockAssessmentReports/ Spanish/No-16-
$\frac{2015\ Condicion\%20de\%20los\%20stocks\%20de\%20atunes\%20y\%20peces\%20picudos\%20en\%202015.p}{df}$
5.Oceanographic conditions in the EPO and their effects on tuna fisheries by Michael G. Hinton 68
Stock Assessment Report 15 consists of the following background documents, prepared for the 5th meeting of the IATTC Scientific Advisory Committee in 12-16 May 2014 and a document from 87th Meeting (resumed) 27-29 October 2014.
https://www.iattc.org/PDFFiles/StockAssessmentReports/ English/No-15-
<u>2014 Status%20of%20the%20tuna%20and%20billfish%20stocks%20in%202013.pdf</u>
9. Stock status indicators for fisheries of the eastern Pacific Ocean by Michael G. Hinton, Mark N. Maunder, Nick Vogel, Robert Olson, Cleridy Lennert, Alexandre Aires-de-Silva, and Martin Hall
11. Proposal for biomass and fishing mortality limit reference points based on reduction in recruitment by Mark N. Maunder and Rick B. Deriso
Stock Assessment Report 14 consists of the following background documents, prepared for the 4th meeting of the IATTC Scientific Advisory Committee in 29 April-03 May 2013.
https://www.iattc.org/PDFFiles/StockAssessmentReports/_English/No-14-
<u>2014 Status%20of%20the%20tuna%20and%20billfish%20stocks%20in%202012.pdf</u>
2. Analysis of large-scale spatial patterns in yellowfin tuna catch data from purse-seine and longline
fisheries by Cleridy E. Lennert-Cody, Mark N. Maunder and Alexandre Aires-da-Silva
4. Analysis of Japanese longline operational-level catch and effort data for bigeye tuna in the eastern Pacific Ocean by Cleridy E. Lennert-Cody, Hiroaki Okamoto and Mark N. Maunder 186
7. Reference points and harvest rate control rules by Mark N. Maunder and Richard B. Deriso 252

8. Kobe II strategy matrix for the bigeye and yellowfin tuna stocks of the eastern Pacific Ocean in 2012 by Carolina V. Minte-Vera, Mark N. Maunder and Alexandre Aires-da-Silva			
This report consists of seven background documents on tunas, reference points and in-port sampling prepared for the Scientific Advisory Committee of the Inter-American Tropical Tuna Commission (IATTC), held in La Jolla, California, USA, on 15-18 May 2012.			
https://www.iattc.org/PDFFiles/StockAssessmentReports/_English/No-13- 2012_Status%20of%20the%20tuna%20and%20billfish%20stocks%20in%202011.pdf			
6. Reference points, decision rules, and management strategy evaluation for tunas and associated species in the eastern Pacific Ocean by Mark N. Maunder			
7. Progress report on the development of poststratified estimators of total catch for the purse-seine fishery port-sampling data by Cleridy E. Lennert-Cody, Mark N. Maunder, Patrick K. Tomlinson, Alexandre Aires-da-Silva, Alejandro Pérez			
This report consists of seven background documents on tunas, swordfish, port sampling, and the Kobe plots prepared for the Scientific Advisory Committee of the Inter-American Tropical Tuna Commission (IATTC), held in La Jolla, California, USA, on 09-12 May 2011.			
https://www.iattc.org/PDFFiles/StockAssessmentReports/_English/No-12-2012 Status%20of%20the%20tuna%20and%20billfish%20stocks%20in%202010.pdf			
2012_Stata3/02001/020tHe/020taHa/020dHa/020dHh/0203toek3/020H/0202010.pai			
5. Poststratified estimators of total catch for the purse-seine fishery port-sampling data by Cleridy E. Lennert-Cody, Mark N. Maunder, Patrick K. Tomlinson, Alexandre Aires-da-Silva, Alejandro Pérez, y Marti McCracken			
Lennert-Cody, Mark N. Maunder, Patrick K. Tomlinson, Alexandre Aires-da-Silva, Alejandro Pérez, y			
Lennert-Cody, Mark N. Maunder, Patrick K. Tomlinson, Alexandre Aires-da-Silva, Alejandro Pérez, y Marti McCracken			

This report consists of revised versions of six background documents on tunas and one species of billfish prepared for the 10th Stock Assessment Review Meeting of the Inter-American Tropical Tuna Commission (IATTC), held in Del Mar, California, USA, on 9-12 May 2009.

https://www.iattc.org/PDFFiles/StockAssessmentReports/ English/No-10-2010 Status%20of%20the%20tuna%20and%20billfish%20stocks%20in%202008.pdf

Preliminary estimation of age- and sex-specific natural mortality of bigeye tuna in the eastern F Ocean by applying a cohort analysis with auxiliary information to tagging data by Mark N. Maur	
Alexandre Aires-da-Silva, Richard Deriso, Kurt Schaefer, and Daniel Fuller	52
ruilei))
Evaluation of aspects of the current IATTC port-sampling design and estimation procedures for	catches
of tunas by purse seiners and pole-and-line vessel by Cleridy E. Lennert-Cody and Patrick K. Ton	nlinson
This report consists of four Background Papers on tunas prepared for the 78th meeting of the	Inter-
American Tropical Tuna Commission (IATTC), held in Panama, R.P., on 23-27 June 2008. These	e include
data through 2007. Until recently these Background Papers were published, with minor modi	ifications,
in the Annual Reports of the IATTC. However, to make the IATTC staff's assessments widely a	vailable

https://www.iattc.org/PDFFiles/StockAssessmentReports/_English/No-9-2009 Status%20of%20the%20tuna%20and%20billfish%20stocks%20in%202007.pdf

as soon as possible, they are now being published in a new series, the Stock Assessment Reports.

This report consists of four Background Papers on tunas prepared for the 77th meeting of the Inter-American Tropical Tuna Commission (IATTC), held in Panama, R.P., on 23-27 June 2008. These include data through 2007. Until recently these Background Papers were published, with minor modifications, in the Annual Reports of the IATTC. However, to make the IATTC staff's assessments widely available as soon as possible, they are now being published in a new series, the Stock Assessment Reports.

https://www.iattc.org/PDFFiles/StockAssessmentReports/_English/No-8-2007 Status%20of%20the%20tuna%20and%20billfish%20stocks%20in%202006.pdf

 This report consists of two Background Papers on tunas prepared for the 74th meeting of the Inter-American Tropical Tuna Commission (IATTC), held in Busan, Republic of Korea, on 26-30 June 2006. These include data through 2005. Until recently these Background Papers were published, with minor modifications, in the Annual Reports of the IATTC. However, to make the IATTC staff's assessments widely available as soon as possible, they are now being published in a new series, the Stock Assessment Reports.

https://www.iattc.org/PDFFiles/StockAssessmentReports/_English/No-7-2007_Status%20of%20the%20tuna%20and%20billfish%20stocks%20in%202005.pdf

A novel method to estimate relative abundance from purse-seine catch-per-set data using known abundance of another species by Mark N. Maunder and Simon D. Hoyle283

Stock Assessment Report 4 consists of slightly-modified versions of four Background Papers on tunas and billfishes prepared for the 70th meeting of the IATTC, held in Antigua, Guatemala, on June 24-27, 2003. Most of these include data through 2002.

https://www.iattc.org/PDFFiles/StockAssessmentReports/ English/No-4-2004 Status%20of%20the%20tuna%20and%20billfish%20stocks%20in%202002.pdf

This report consists of seven Background Papers on tunas and billfishes prepared for the 68th meeting of the Inter-American Tropical Tuna Commission (IATTC), held in San Salvador, El Salvador, on June 19-21, 2001. Most of these include data through 2000. Until recently these Background Papers were published, with minor modifications, in the Annual Reports of the IATTC. However, to make the IATTC staff's assessments widely available as soon as possible, they are now being published in a new series, the Stock Assessment Reports.

https://www.iattc.org/PDFFiles/StockAssessmentReports/_English/No-2-2002_Status%20of%20the%20tuna%20and%20billfish%20stocks%20in%202000.pdf

This report consists of seven Background Papers on tunas and billfishes prepared for the 67th meeting of the Inter-American Tropical Tuna Commission (IATTC), held in San Salvador, El Salvador, on June 19-21, 2001. Most of these include data through 2000. Until recently these Background Papers were published, with minor modifications, in the Annual Reports of the IATTC. However, to make the IATTC

staff's assessments widely available as soon as possible, they are now being published in a new series, the Stock Assessment Reports.

https://www.iattc.org/PDFFiles/StockAssessmentReports/_English/No-1-2001_Status%20of%20the%20tuna%20and%20billfish%20stocks%20in%201999.pdf

Production model analysis of yellowfin tuna in the eastern Pacific Ocean by Patrick K. Tomlinson..... 320

SAC Documents

(many of these get turned into Stock Assessment Report documents)

Haikun Xu, Cleridy E. Lennert-Cody, Mark N. Maunder, and Carolina Minte-Vera. SPATIOTEMPORAL DYNAMICS OF THE DOLPHIN-ASSOCIATED PURSE-SEINE FISHERY FOR YELLOWFIN TUNA IN THE EASTERN PACIFIC OCEAN. DOCUMENT SAC-09-09. https://www.iattc.org/Meetings/Meetings2018/SAC-09/PDFs/Docs/ English/SAC-09-09-EN Spatial-tempora-modeling-of-yellowfin-CPUE-data.pdf

Maunder, M.N., Thorson, J.T., Lee, H.H., Kai, M., Chang, S.K., Kitakado, T., Albertsen, C.M., Lennert-Cody,

C.E., Aires-da-Silva, A.M., Piner, K.R. THE NEED FOR SPATIAL-TEMPORAL MODELING OF CATCH-PER-UNIT-EFFORT DATA WHEN USED TO DERIVED INDICES OF RELATIVE ABUNDANCE TO INCLUDE IN STOCK ASSESSMENT MODELS. DOCUMENT SAC-08-05d

https://www.iattc.org/Meetings/Meetings2017/SAC-08/PDFs/Docs/ English/SAC-08-05d Spatial-temporal-modeling-of-CPUE-data.pdf

Juan L. Valero, Mark N. Maunder, Alexandre M. Aires-da-Silva, Carolina Minte-Vera, Jiangfeng Zhu. LIMIT REFERENCE POINTS IN MARINE RESOURCE MANAGEMENT AND THEIR APPLICATION FOR TUNA AND BILLFISH STOCKS DOCUMENT SAC-08-05e(ii).

https://www.iattc.org/Meetings/Meetings2017/SAC-08/PDFs/Docs/ English/SAC-08-05e(ii) Review-of-limit-reference-points.pdf

Marlon H Román, Cleridy E. Lennert-Cody, Mark N. Maunder, Alexandre Aires-da-Silva, and Nickolas W.

Vogel. A REVIEW OF FISHERY DATA AVAILABLE FOR SMALL PURSE-SEINE VESSELS, WITH EMPHASIS ON FADs. DOCUMENT SAC-08-06a

https://www.iattc.org/Meetings/Meetings2017/SAC-08/PDFs/Docs/ English/SAC-08-06a A-review-of-fishery-data-available-for-small-purse-seine-vessels-with-emphasis-on-FADs.pdf

Keisuke Satoh, Carolina V. Minte-Vera, Nickolas W. Vogel, Alexandre Aires-da-Silva, Cleridy E. Lennert-Cody, Mark N. Maunder, Hiroaki Okamoto, Koji Uosaki, Takayuki Matsumoto, Yasuko Semba and

Tomoyuki Ito. AN EXPLORATION INTO JAPANESE SIZE DATA OF TROPICAL TUNA SPECIES BECAUSE OF A PROMINENT SIZE-FREQUENCY RESIDUAL PATTERN IN THE STOCK ASSESSMENT MODEL. DOCUMENT SAC-07-03d.

https://www.iattc.org/Meetings/Meetings2016/SAC-07/PDFs/Docs/ English/SAC-07-03d Correction-of-longline-length-frequency-database.pdf

Carolina V. Minte-Vera, Alexandre Aires-da-Silva, Keisuke Satoh, and Mark N. Maunder. CHANGES IN LONGLINE SIZE-FREQUENCY DATA AND THEIR EFFECTS ON THE STOCK ASSESSMENT MODELS FOR YELLOWFIN AND BIGEYE TUNAS. DOCUMENT SAC-07-04a

https://www.iattc.org/Meetings/Meetings2016/SAC-07/PDFs/Docs/ English/SAC-07-04a Sensitivity-of-the-bigeye-and-yellowfin-models-to-changes-in-size-frequency-data.pdf

A simple model for age-structured natural mortality based on changes in sex ratios

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IATTC Bulletins

MATSUMOTO, TAKAYUKI, and WILLIAM H. BAYLIFF. 2008. A review of the Japanese longline fishery for tunas and billfishes in the eastern Pacific Ocean, 1998-2003.

https://www.iattc.org/PDFFiles/Bulletins/ English/Vol-24-No-1-2008-

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MARGULIES, DANIEL, JEANNE B. WEXLER, and collaborators. 2001. Early life history studies of yellowfin tuna, Thunnus albacares.

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https://www.iattc.org/PDFFiles/Bulletins/_English/Vol-21-No-7-1999-SCHAEFER,%20KURT%20M_Comparative%20study%20of%20some%20morphological%20features%20of %20yellowfin%20Thunnus%20albacares%20and%20bigeye%20Thunnus%20obesus%20tunas.pdf

UOSAKI, KOJI, and WILLIAM H. BAYLIFF. 1999. A review of the Japanese longline fishery for tunas and billfishes in the eastern Pacific Ocean, 1988-1992.

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