

SPF TIER STRUCTURE

Tier 1

- **DEPM survey in last five seasons**

Tier 2

- **DEPM survey more than five seasons old (sardine and blue mackerel)**
- **Or more than 10 years old (jack mackerel and redbait)**
- **Exploitation rate 50% of Tier 1.**

Tier 3

- **DEPM survey more than 10 years old (sardine and blue mackerel)**
- **Or more than 15 years old (jack mackerel and redbait)**
- **Exploitation rate 25% of Tier 1**

- **Or no DEPM survey ever conducted**
- **Use Atlantis model to estimate biomass**
- **Exploitation rate 12.5% of Tier 1**

SPF TIER STRUCTURE

Stock	Tier 1		Tier 2	
	Exploitation rate %	Max. time at rate	Exploitation rate %	Max. time at rate
Redbait West	10	5 seasons	5	10 seasons
Redbait East	10	5 seasons	5	10 seasons
Jack Mackerel West	12	5 seasons	6	10 seasons
Jack Mackerel East	12	5 seasons	6	10 seasons
Blue Mackerel West	15	5 seasons	7.5	5 seasons
Blue Mackerel East	15	5 seasons	7.5	5 seasons
Australian Sardine East	20	5 seasons	10	5 seasons

Jack Mackerel East

ASSESSMENT RESULTS

ANNUAL FISHERY ASSESSMENT
DEPM SURVEY CONDUCTED IN 2014
RESULTS PUBLISHED IN MARCH 2015
BIOMASS ESTIMATE OF 157, 805 TONNES

RECOMMENDED BIOLOGICAL CATCH FOR 2018-19

FOURTH SEASON AT TIER 1
RBC
= 157,805 X 12%
= 18,937 TONNES

RECOMMENDED BIOLOGICAL CATCH FOR 2017-18 (TONNES)

18,937 TONNES

Jack Mackerel West

ASSESSMENT RESULTS

ANNUAL FISHERY ASSESSMENT

DEPM SURVEY CONDUCTED IN 2016

RESULTS TO BE PUBLISHED IN MARCH
2018

BIOMASS ESTIMATE OF 34,978 TONNES

RECOMMENDED BIOLOGICAL CATCH FOR 2018-19

FIRST YEAR AT TIER 1

RBC

= 34,978 X 12%

= 4,197 TONNES

RECOMMENDED BIOLOGICAL CATCH FOR 2017-18 (TONNES)

930 TONNES

Blue Mackerel East

ASSESSMENT RESULTS

ANNUAL FISHERY ASSESSMENT
DEPM SURVEY CONDUCTED IN 2015
RESULTS PUBLISHED IN DECEMBER 2015
ESTIMATED BIOMASS OF 83,300 TONNES

RECOMMENDED BIOLOGICAL CATCH FOR 2018-19

THIRD SEASON AT TIER 1
RBC
= 83,300 X 15%
= 12,495 TONNES

RECOMMENDED BIOLOGICAL CATCH FOR 2017-18 (TONNES)

12,495 TONNES

Blue Mackerel West

ASSESSMENT RESULTS

ANNUAL FISHERY ASSESSMENT
DEPM SURVEY CONDUCTED IN 2005
ESTIMATED BIOMASS OF 86,500 TONNES

RECOMMENDED BIOLOGICAL CATCH FOR 2018-19

SECOND SEASON AT TIER 3
RBC
= $86,500 \times 3.75\%$
= 3,244 TONNES

RECOMMENDED BIOLOGICAL CATCH FOR 2017-18 (TONNES)

3,244 TONNES

Australian Sardines East

ASSESSMENT RESULTS

ANNUAL FISHERY ASSESSMENT
DEPM SURVEY CONDUCTED IN 2015
RESULTS PUBLISHED IN DECEMBER 2015
ESTIMATED BIOMASS OF 49,575 TONNES

RECOMMENDED BIOLOGICAL CATCH FOR 2018-19

THIRD SEASON AT TIER 1
RBC
= 49,575 X 20%
= 9,915 TONNES

RECOMMENDED BIOLOGICAL CATCH FOR 2017-18 (TONNES)

9,915 TONNES

Redbait East

ASSESSMENT RESULTS

ANNUAL FISHERY ASSESSMENT

DEPM SURVEYS CONDUCTED IN 2005
AND 2006

ESTIMATED BIOMASS OF 68,886 TONNES

RECOMMENDED BIOLOGICAL CATCH FOR 2018-19

SEVENTH SEASON AT TIER 2

RBC

= 68,886 X 5%

= 3,444 TONNES

RECOMMENDED BIOLOGICAL CATCH FOR 2017-18 (TONNES)

3,444 TONNES

Redbait West

ASSESSMENT RESULTS

ANNUAL FISHERY ASSESSMENT

NO DEPM SURVEY CONDUCTED.
SOME CATCH HISTORY DATA

ATLANTIS SPF ESTIMATED MEAN
BIOMASS OF 66,000 TONNES

RECOMMENDED BIOLOGICAL CATCH FOR 2018-19

TIER 3

RBC

= 66,000 X 1.25%

= 825 TONNES

RECOMMENDED BIOLOGICAL CATCH FOR 2017-18 (TONNES)

825 TONNES