

# NSW Abalone Fishery Logbook catch figures

Abalone Council of NSW

4 April, 2017

Area summary by calendar year since 1999

Note catch data up to end March 2017

Outline

Figure description

Region 1-2

- Area 1, Tweed
- Area 2, Port Stephens
- Area 3, Kiama
- Area 4, Ulladulla
- Area 5, South Brush
- Area 6, Batemans
- Area 7, Moruya

Region 3-4

- Area 8, Narooma
- Area 9, Bermagui
- Area 10, Bunga
- Area 11, Moon Bay
- Area 12, Turingal
- Area 13, Long Beach

Region 5-6

- Area 14, Eden
- Area 15, Saltwater
- Area 16, Bittangabee
- Area 17, Green Cape
- Area 18, City Rock
- Area 19, Wonboyn
- Area 20, Saltlake
- Area 21, Howe

# Contents

## Figure description

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### Region 3-4

- Area 8, Narooma
- Area 9, Bermagui

Area 10, Bunga

Area 11, Moon Bay

Area 12, Turingal

Area 13, Long Beach

### Region 5-6

Area 14, Eden

Area 15, Saltwater

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Area 17, Green Cape

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# Figure description

Graph 1. Total Fishing Period catch (blue bars and text) and target (light blue) with total catch/effort (red). The change in average catch from the last 3 years, as a proportion of the first 3 years, is shown above the graph

Graph 2. Total catch/effort (red) and geometric mean catch rate per bin (pink) with percent change per year (text on graph) and change since 1999 (text above graph).

Graph 3. Mean weight of abalone (magenta) with percent change per year (text on graph) and change since 1999 (text above graph).

Graph 4. Number of abalone in catch (orange) with percent change since 1999 (text on and above graph).

Graph 5. Total catch as a percent of total fishery catch (green) with percent change since 1999 (text on and above graph).

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#### Region 3-4

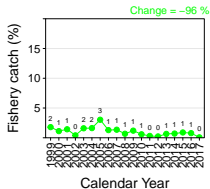
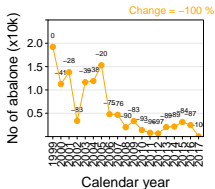
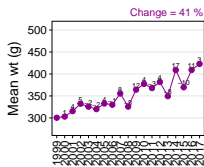
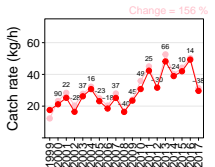
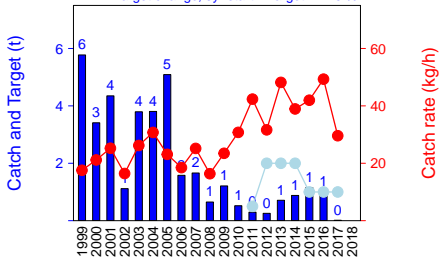
- Area 8, Narooma
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#### Region 5-6

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# Area 1, Tweed, A-E

Catch change, 3yr start v end = -78 %  
 Target change, 3yr start v Target = -78 %



## Outline

### Figure description

#### Region 1-2

- Area 1, Tweed
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- Area 7, Moruya

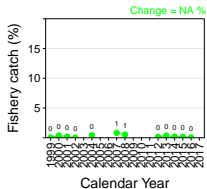
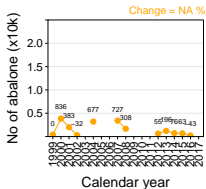
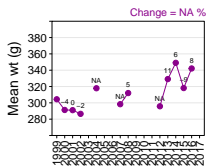
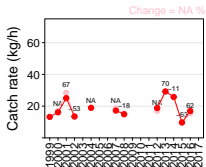
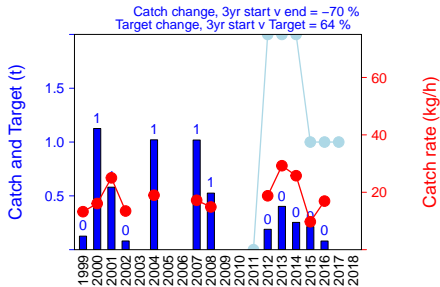
#### Region 3-4

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# Area 2, Port Stephens, F-J



## Outline

## Figure description

### Region 1-2

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- Area 5, South Brush
- Area 6, Batemans
- Area 7, Moruya

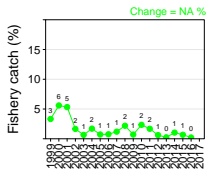
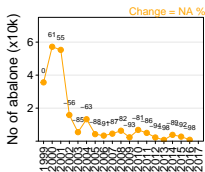
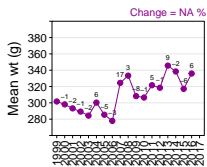
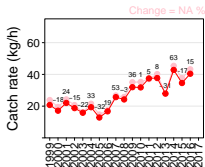
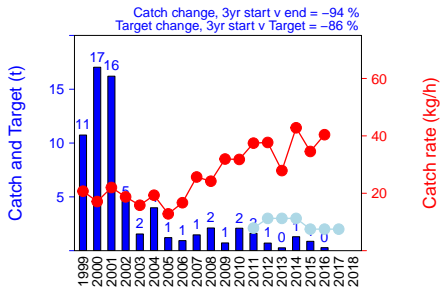
### Region 3-4

- Area 8, Narooma
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### Region 5-6

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# Area 3, Kiama, K-M



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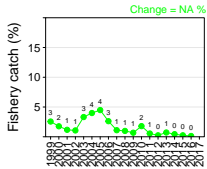
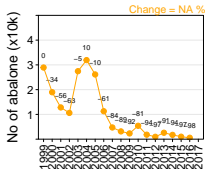
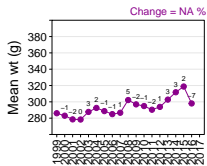
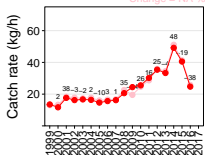
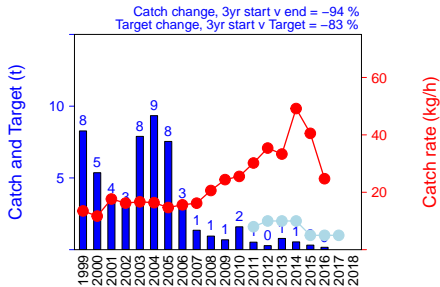
### Region 3-4

- Area 8, Narooma
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### Region 5-6

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# Area 4, Ulladulla, N



Calendar year

Calendar Year

## Outline

## Figure description

### Region 1-2

- Area 1, Tweed
- Area 2, Port Stephens
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- Area 7, Moruya

### Region 3-4

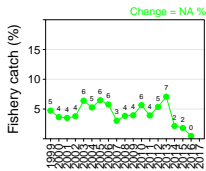
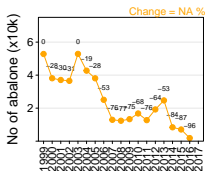
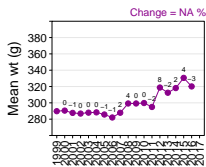
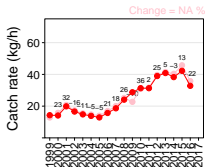
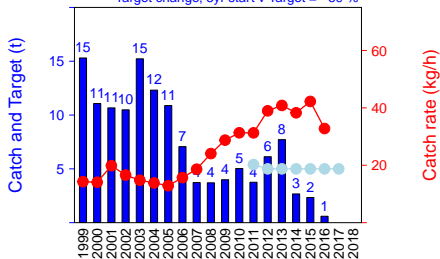
- Area 8, Narooma
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### Region 5-6

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# Area 5, South Brush, P

Catch change, 3yr start v end = -85 %  
 Target change, 3yr start v Target = -59 %



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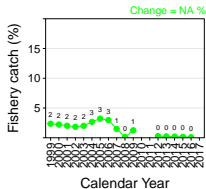
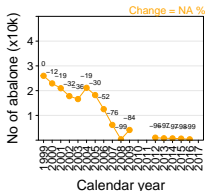
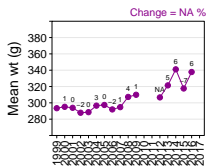
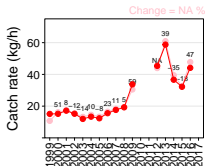
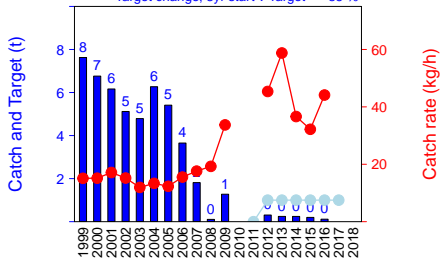
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# Area 6, Batemans, Q

Catch change, 3yr start v end = -97 %  
Target change, 3yr start v Target = -85 %



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### Region 3-4

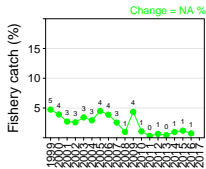
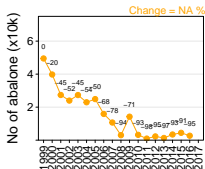
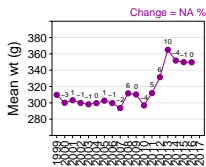
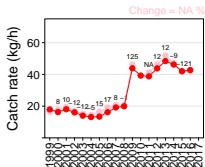
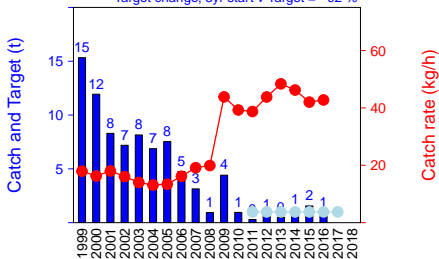
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# Area 7, Moruya, R-S

Catch change, 3yr start v end = -90 %  
Target change, 3yr start v Target = -92 %



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### Region 3-4

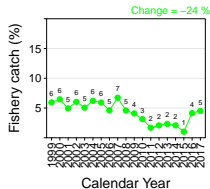
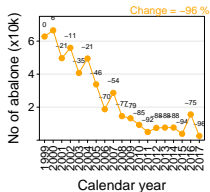
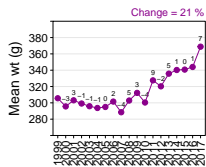
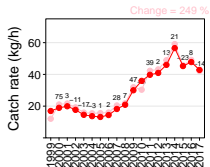
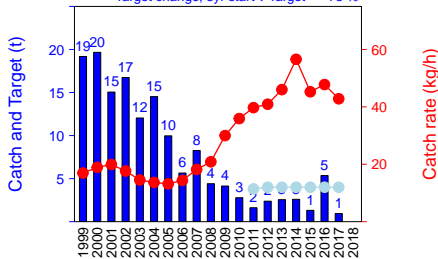
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# Area 8, Narooma, T

Catch change, 3yr start v end = -83 %  
 Target change, 3yr start v Target = -78 %



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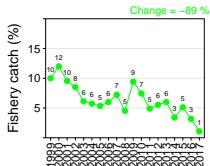
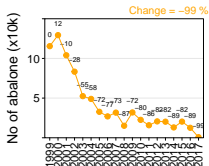
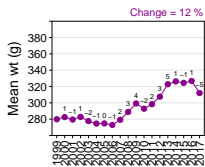
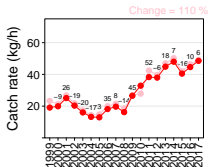
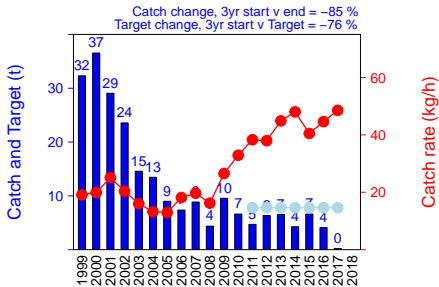
### Region 3-4

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### Region 5-6

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# Area 9, Bermagui, U1-3



Calendar year

Calendar Year

## Outline

## Figure description

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### Region 3-4

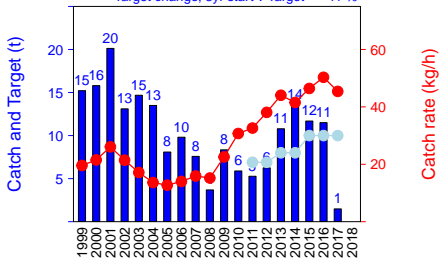
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### Region 5-6

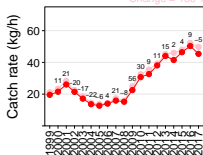
- Area 14, Eden
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- Area 17, Green Cape
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- Area 19, Wonboyn
- Area 20, Saltlake
- Area 21, Howe

# Area 10, Bunga, U4-V2

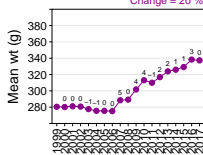
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Target change, 3yr start v Target = -41 %



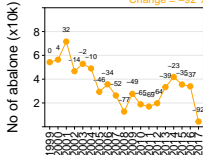
Change = 135 %



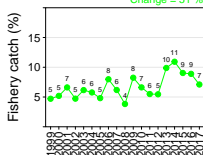
Change = 20 %



Change = -92 %



Change = 51 %



## Outline

### Figure description

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#### Region 3-4

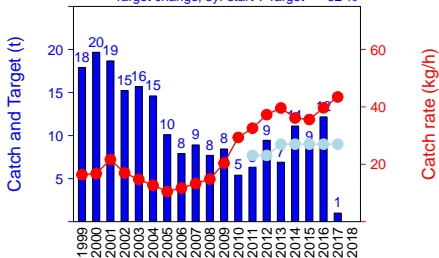
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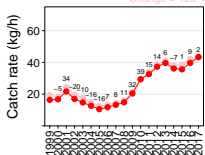
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# Area 11, Moon Bay, V3-W1

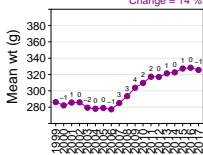
Catch change, 3yr start v end = -43 %  
 Target change, 3yr start v Target = -52 %



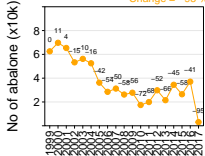
Change = 123 %



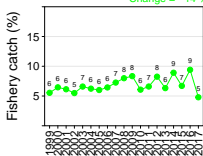
Change = 14 %



Change = -95 %



Change = -14 %



Calendar year

Calendar Year

## Outline

### Figure description

#### Region 1-2

- Area 1, Tweed
- Area 2, Port Stephens
- Area 3, Kiama
- Area 4, Ulladulla
- Area 5, South Brush
- Area 6, Batemans
- Area 7, Moruya

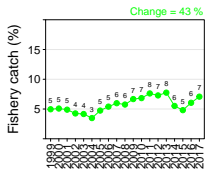
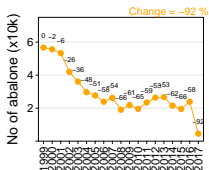
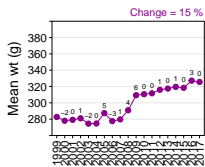
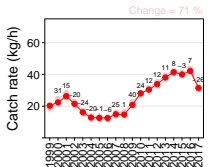
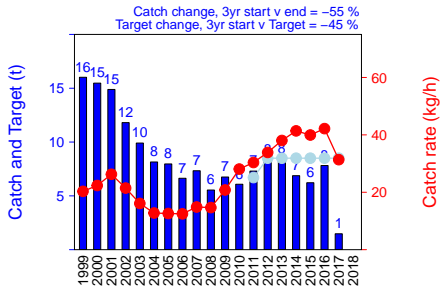
#### Region 3-4

- Area 8, Narooma
- Area 9, Bermagui
- Area 10, Bunga
- Area 11, Moon Bay**
- Area 12, Turingal
- Area 13, Long Beach

#### Region 5-6

- Area 14, Eden
- Area 15, Saltwater
- Area 16, Bittangabee
- Area 17, Green Cape
- Area 18, City Rock
- Area 19, Wonboyn
- Area 20, Saltlake
- Area 21, Howe

# Area 12, Turingal, W2-X1



## Outline

## Figure description

### Region 1-2

- Area 1, Tweed
- Area 2, Port Stephens
- Area 3, Kiama
- Area 4, Ulladulla
- Area 5, South Brush
- Area 6, Batemans
- Area 7, Moruya

### Region 3-4

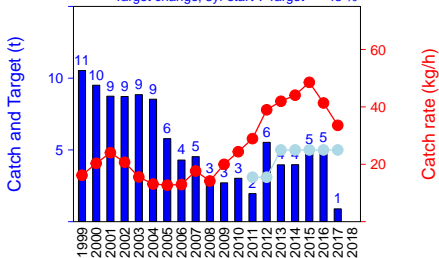
- Area 8, Narooma
- Area 9, Bermagui
- Area 10, Bungu
- Area 11, Moon Bay
- Area 12, Turingal**
- Area 13, Long Beach

### Region 5-6

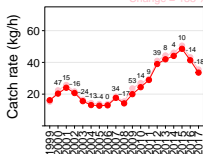
- Area 14, Eden
- Area 15, Saltwater
- Area 16, Bittangabee
- Area 17, Green Cape
- Area 18, City Rock
- Area 19, Wonboyn
- Area 20, Saltlake
- Area 21, Howe

# Area 13, Long Beach, X2

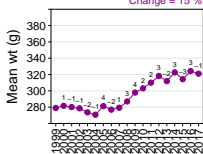
Catch change, 3yr start v end = -51 %  
 Target change, 3yr start v Target = -48 %



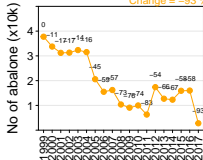
Change = 133 %



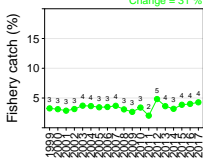
Change = 15 %



Change = -93 %



Change = 31 %



## Outline

### Figure description

#### Region 1-2

- Area 1, Tweed
- Area 2, Port Stephens
- Area 3, Kiama
- Area 4, Ulladulla
- Area 5, South Brush
- Area 6, Batemans
- Area 7, Moruya

#### Region 3-4

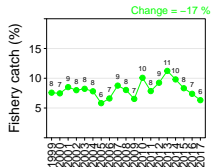
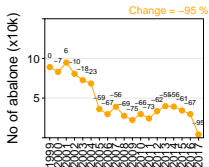
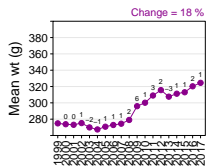
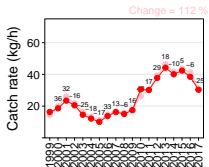
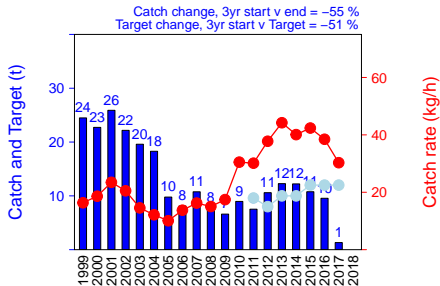
- Area 8, Narooma
- Area 9, Bermagui
- Area 10, Bungu
- Area 11, Moon Bay
- Area 12, Turingal
- Area 13, Long Beach

#### Region 5-6

- Area 14, Eden
- Area 15, Saltwater
- Area 16, Bittangabee
- Area 17, Green Cape
- Area 18, City Rock
- Area 19, Wonboyn
- Area 20, Saltlake
- Area 21, Howe



# Area 14, Eden, Y11-21



## Outline

## Figure description

### Region 1-2

- Area 1, Tweed
- Area 2, Port Stephens
- Area 3, Kiama
- Area 4, Ulladulla
- Area 5, South Brush
- Area 6, Batemans
- Area 7, Moruya

### Region 3-4

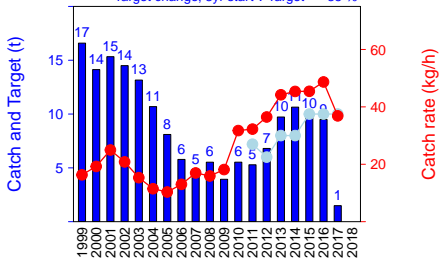
- Area 8, Narooma
- Area 9, Bermagui
- Area 10, Bungu
- Area 11, Moon Bay
- Area 12, Turingal
- Area 13, Long Beach

### Region 5-6

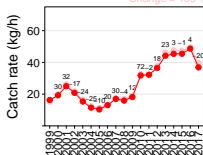
- Area 14, Eden
- Area 15, Saltwater
- Area 16, Bittangabee
- Area 17, Green Cape
- Area 18, City Rock
- Area 19, Wonboyn
- Area 20, Saltlake
- Area 21, Howe

# Area 15, Saltwater, Y22-23

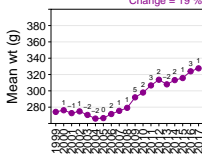
Catch change, 3yr start v end = -34 %  
 Target change, 3yr start v Target = -35 %



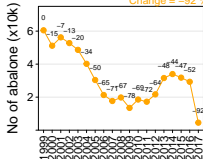
Change = 159 %



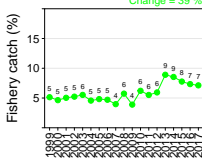
Change = 19 %



Change = -92 %



Change = 39 %



## Outline

### Figure description

#### Region 1-2

- Area 1, Tweed
- Area 2, Port Stephens
- Area 3, Kiama
- Area 4, Ulladulla
- Area 5, South Brush
- Area 6, Batemans
- Area 7, Moruya

#### Region 3-4

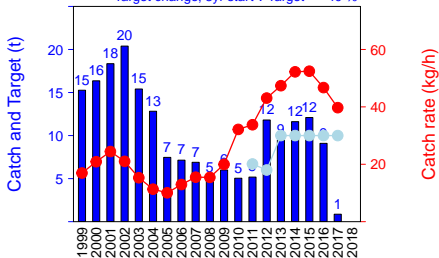
- Area 8, Narooma
- Area 9, Bermagui
- Area 10, Bungu
- Area 11, Moon Bay
- Area 12, Turingal
- Area 13, Long Beach

#### Region 5-6

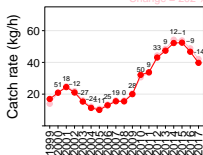
- Area 14, Eden
- Area 15, Saltwater
- Area 16, Bittangabee
- Area 17, Green Cape
- Area 18, City Rock
- Area 19, Wonboyn
- Area 20, Saltlake
- Area 21, Howe

# Area 16, Bittangabee, Y24

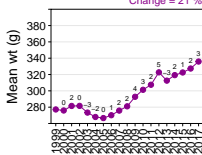
Catch change, 3yr start v end = -34 %  
 Target change, 3yr start v Target = -40 %



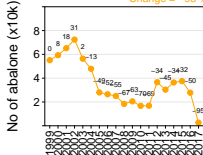
Change = 202 %



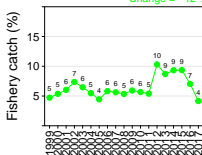
Change = 21 %



Change = -95 %



Change = -12 %



Calendar year

Calendar Year

## Outline

### Figure description

#### Region 1-2

- Area 1, Tweed
- Area 2, Port Stephens
- Area 3, Kiama
- Area 4, Ulladulla
- Area 5, South Brush
- Area 6, Batemans
- Area 7, Moruya

#### Region 3-4

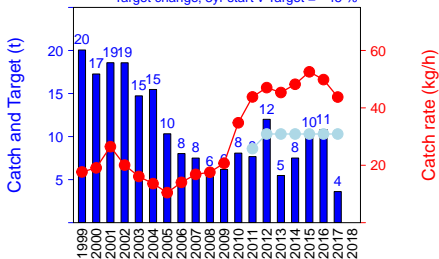
- Area 8, Narooma
- Area 9, Bermagui
- Area 10, Bungu
- Area 11, Moon Bay
- Area 12, Turingal
- Area 13, Long Beach

#### Region 5-6

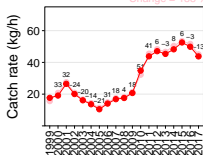
- Area 14, Eden
- Area 15, Saltwater
- Area 16, Bittangabee**
- Area 17, Green Cape
- Area 18, City Rock
- Area 19, Wonboyn
- Area 20, Saltlake
- Area 21, Howe

# Area 17, Green Cape, Y31

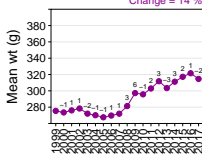
Catch change, 3yr start v end = -49 %  
 Target change, 3yr start v Target = -45 %



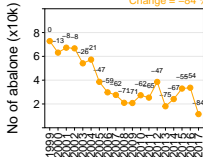
Change = 188 %



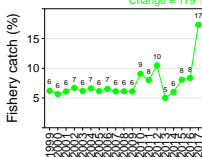
Change = 14 %



Change = -84 %



Change = 179 %



Calendar year

Calendar Year

## Outline

### Figure description

#### Region 1-2

- Area 1, Tweed
- Area 2, Port Stephens
- Area 3, Kiama
- Area 4, Ulladulla
- Area 5, South Brush
- Area 6, Batemans
- Area 7, Moruya

#### Region 3-4

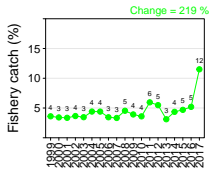
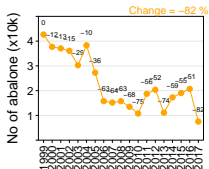
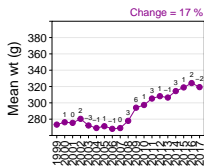
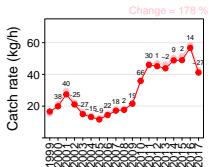
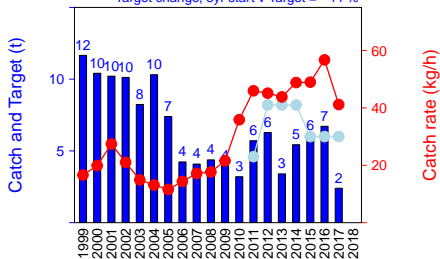
- Area 8, Narooma
- Area 9, Bermagui
- Area 10, Bungu
- Area 11, Moon Bay
- Area 12, Turingal
- Area 13, Long Beach

#### Region 5-6

- Area 14, Eden
- Area 15, Saltwater
- Area 16, Bittangabee
- Area 17, Green Cape**
- Area 18, City Rock
- Area 19, Wonboyn
- Area 20, Saltlake
- Area 21, Howe

# Area 18, City Rock, Y32

Catch change, 3yr start v end = -44 %  
Target change, 3yr start v Target = -44 %



## Outline

### Figure description

#### Region 1-2

- Area 1, Tweed
- Area 2, Port Stephens
- Area 3, Kiama
- Area 4, Ulladulla
- Area 5, South Brush
- Area 6, Batemans
- Area 7, Moruya

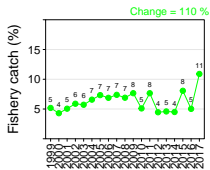
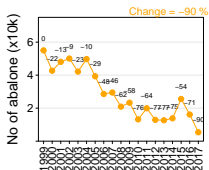
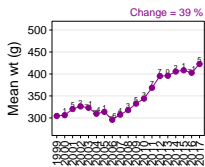
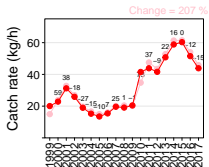
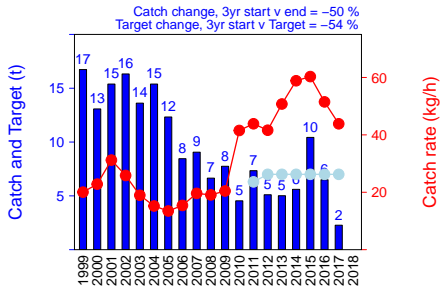
#### Region 3-4

- Area 8, Narooma
- Area 9, Bermagui
- Area 10, Bungu
- Area 11, Moon Bay
- Area 12, Turingal
- Area 13, Long Beach

#### Region 5-6

- Area 14, Eden
- Area 15, Saltwater
- Area 16, Bittangabee
- Area 17, Green Cape
- Area 18, City Rock**
- Area 19, Wonboyn
- Area 20, Saltlake
- Area 21, Howe

# Area 19, Wonboyn, Z1-3



## Outline

## Figure description

### Region 1-2

- Area 1, Tweed
- Area 2, Port Stephens
- Area 3, Kiama
- Area 4, Ulladulla
- Area 5, South Brush
- Area 6, Batemans
- Area 7, Moruya

### Region 3-4

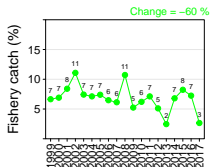
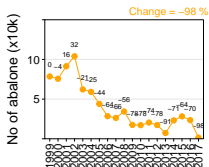
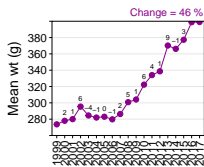
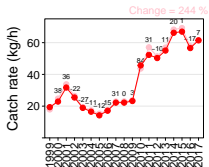
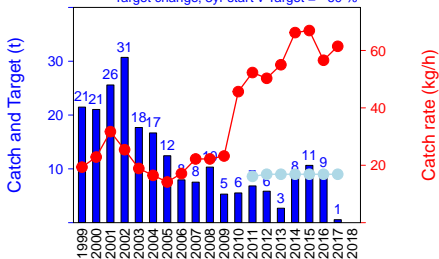
- Area 8, Narooma
- Area 9, Bermagui
- Area 10, Bungu
- Area 11, Moon Bay
- Area 12, Turingal
- Area 13, Long Beach

### Region 5-6

- Area 14, Eden
- Area 15, Saltwater
- Area 16, Bittangabee
- Area 17, Green Cape
- Area 18, City Rock
- Area 19, Wonboyn**
- Area 20, Saltlake
- Area 21, Howe

# Area 20, Saltlake, Z4

Catch change, 3yr start v end = -58 %  
Target change, 3yr start v Target = -60 %



## Outline

### Figure description

#### Region 1-2

- Area 1, Tweed
- Area 2, Port Stephens
- Area 3, Kiama
- Area 4, Ulladulla
- Area 5, South Brush
- Area 6, Batemans
- Area 7, Moruya

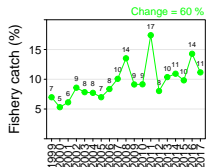
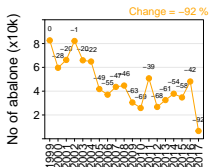
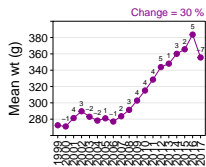
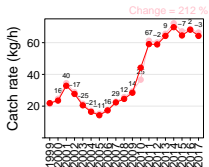
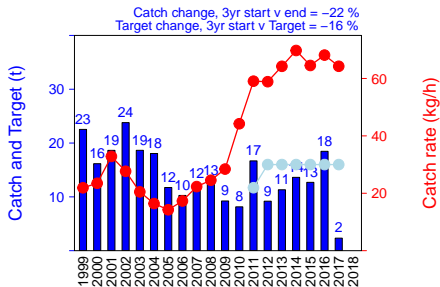
#### Region 3-4

- Area 8, Narooma
- Area 9, Bermagui
- Area 10, Bungu
- Area 11, Moon Bay
- Area 12, Turingal
- Area 13, Long Beach

#### Region 5-6

- Area 14, Eden
- Area 15, Saltwater
- Area 16, Bittangabee
- Area 17, Green Cape
- Area 18, City Rock
- Area 19, Wonboyn
- Area 20, Saltlake
- Area 21, Howe

# Area 21, Howe, Z5



## Outline

## Figure description

### Region 1-2

- Area 1, Tweed
- Area 2, Port Stephens
- Area 3, Kiama
- Area 4, Ulladulla
- Area 5, South Brush
- Area 6, Batemans
- Area 7, Moruya

### Region 3-4

- Area 8, Narooma
- Area 9, Bermagui
- Area 10, Bungu
- Area 11, Moon Bay
- Area 12, Turingal
- Area 13, Long Beach

### Region 5-6

- Area 14, Eden
- Area 15, Saltwater
- Area 16, Bittangabee
- Area 17, Green Cape
- Area 18, City Rock
- Area 19, Wonboyn
- Area 20, Saltlake
- Area 21, Howe