

# NSW Abalone Fishery Logbook catch figures

Abalone Council of NSW

4 April, 2017

Monthly Area summary for 26 months  
Note catch data up to end March 2017

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# Figure description

Graph 1. Total catch (blue bars with 6 month centered moving average blue line, 24 month trailing average dark cyan line, and current year target cyan line) and catch rate per bin (box plot with median red circle, quartiles, 1.5IQR and outliers) with loess fit (red line). Standardised catch rates per bin are shown by loess fit to expected values for individual bins for the average diver (green line) and monthly effects (green squares). Values above graph show change of recent 3 or 6 mths to the same period 12 months earlier, with blue indicating total catch/total effort, red for loess fit to raw bin data, and green for loess fit to standardised expected bin values.

Graph 2. Total catch (blue bars with 6 month moving centered average blue line, and 24 month trailing average dark cyan line, and current year target cyan line) and mean weight of abalone per bin (box plot with median pink circle, quartiles, 1.5IQR and outliers) with loess fit (pink line). Standardised weights are shown by loess fit to expected values for individual bins for the average diver in a 60 abalone bin (green line) and monthly effects (green squares). Values above graph show change of recent 3 or 6 mths to the same period 12 months earlier, with blue indicating total catch/total number of abalone, red for loess fit to raw bin data, and green for loess fit to standardised expected bin values.

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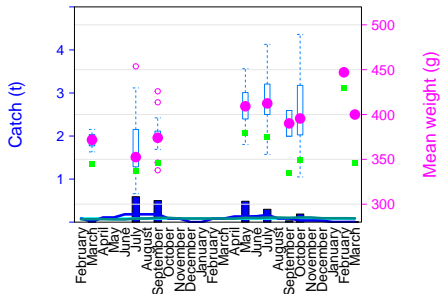
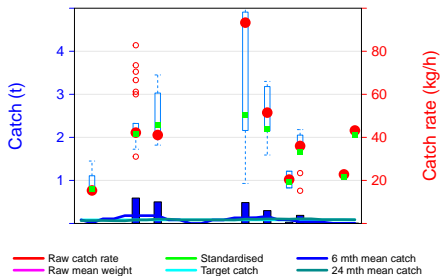
#### Region 3-4

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# Area 1, Tweed, A-E



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- Area 2, Port Stephens
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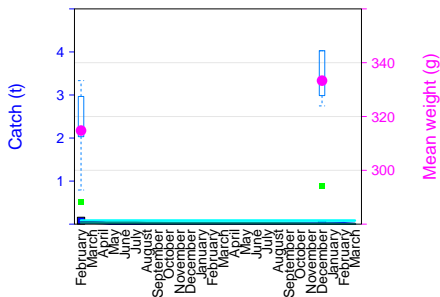
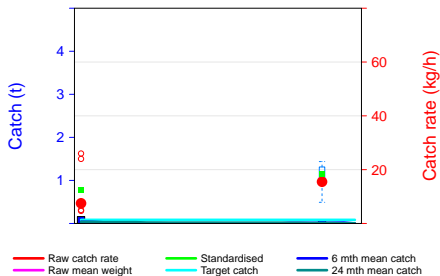
#### Region 3-4

- Area 8, Narooma
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- Area 13, Long Beach

#### Region 5-6

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# Area 2, Port Stephens, F-J



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- Area 2, Port Stephens**
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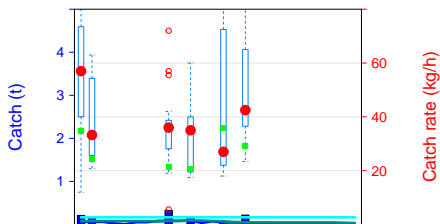
#### Region 3-4

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

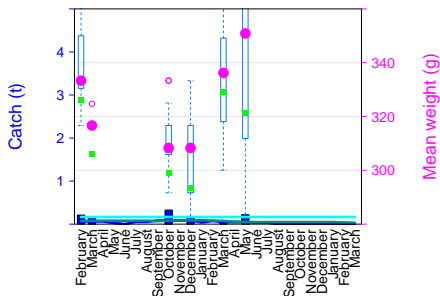
#### Region 5-6

- Area 14, Eden
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# Area 3, Kiama, K-M



—●— Raw catch rate      —■— Standardised      —■— 6 mth mean catch  
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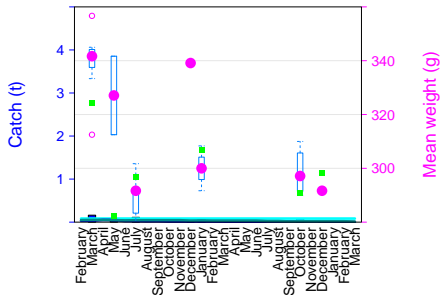
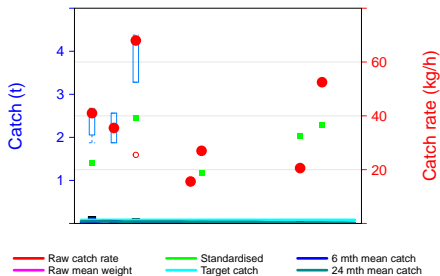
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- Area 8, Narooma
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# Area 4, Ulladulla, N



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- Area 4, Ulladulla**
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- Area 7, Moruya

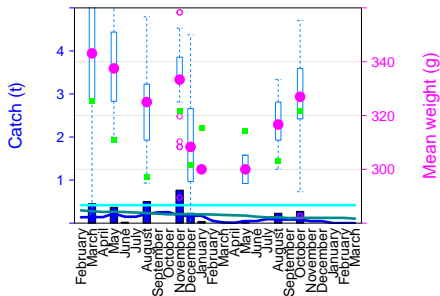
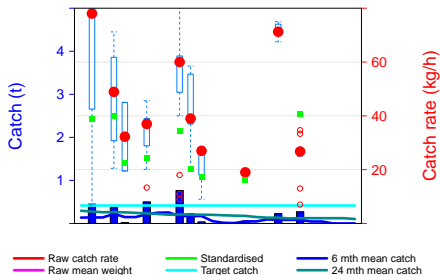
#### Region 3-4

- Area 8, Narooma
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# Area 5, South Brush, P



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#### Region 3-4

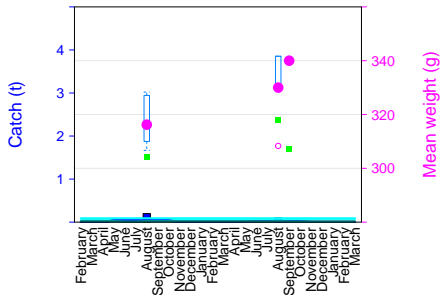
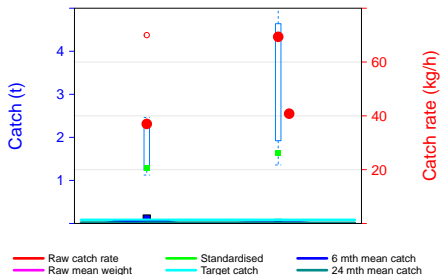
- Area 8, Narooma
- Area 9, Bermagui
- Area 10, Bunga
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- Area 14, Eden
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# Area 6, Batemans, Q



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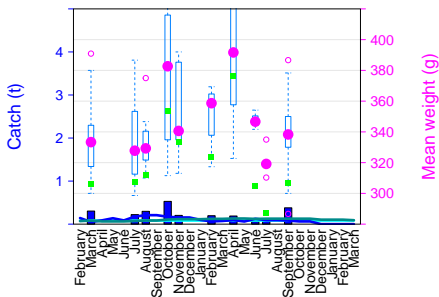
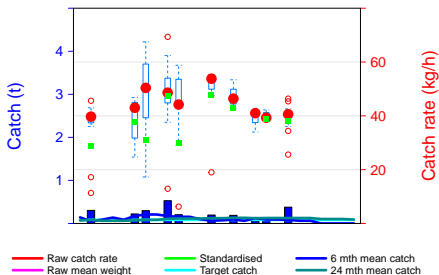
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# Area 7, Moruya, R-S



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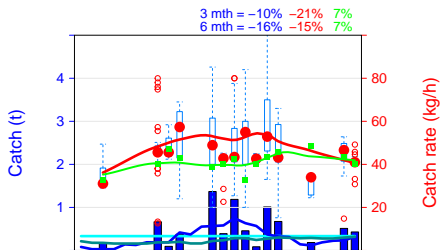
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- Area 9, Bermagui
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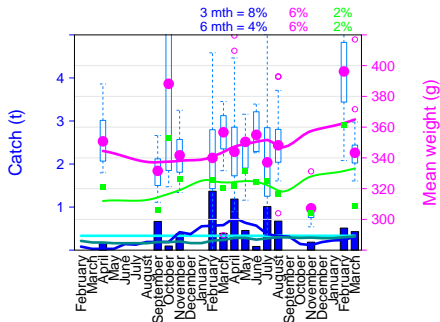
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# Area 8, Narooma, T



Raw catch rate (red line), Standardised (green line), 6 mth mean catch (blue line), Raw mean weight (magenta line), Target catch (cyan line), 24 mth mean catch (dark blue line)



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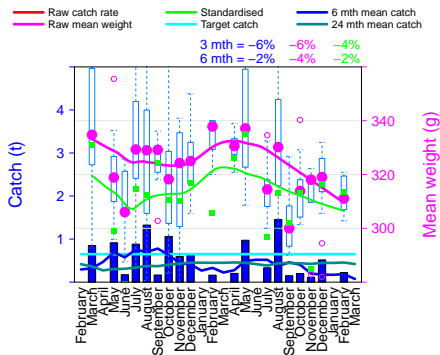
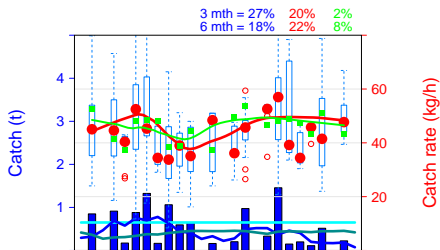
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# Area 9, Bermagui, U1-3



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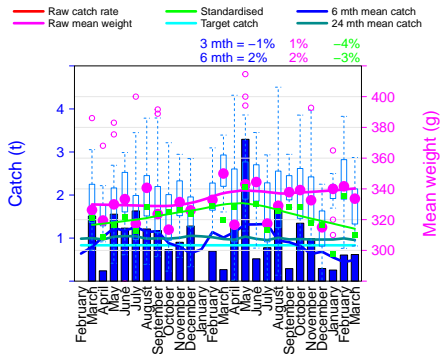
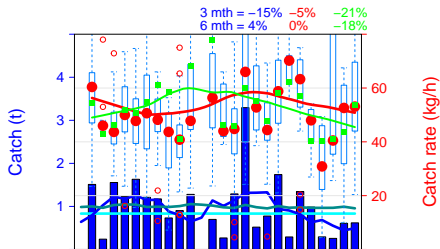
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- Area 8, Narooma
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# Area 10, Bunga, U4-V2



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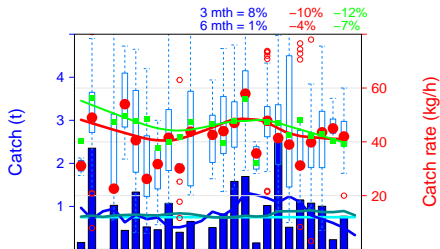
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- Area 8, Narooma
- Area 9, Bermagui
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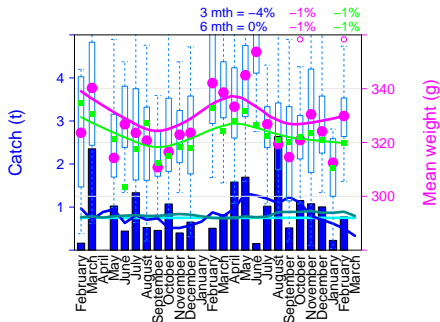
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# Area 11, Moon Bay, V3-W1



Raw catch rate    Standardised    6 mth mean catch  
Raw mean weight    Target catch    24 mth mean catch



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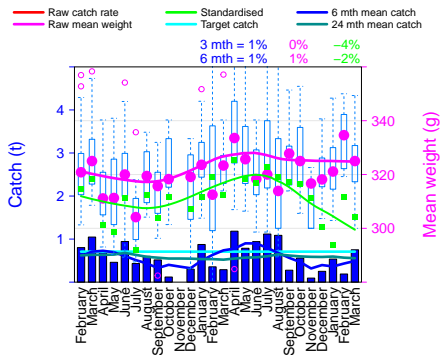
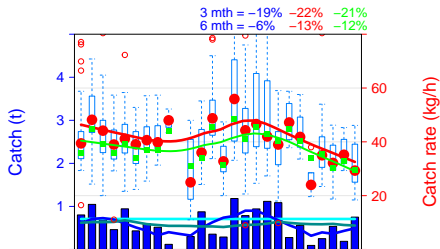
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- Area 8, Narooma
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# Area 12, Turingal, W2-X1



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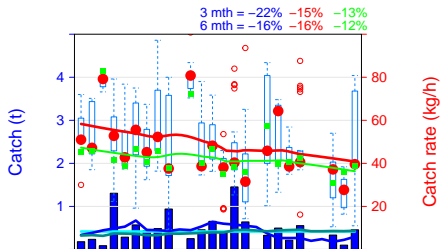
#### Region 3-4

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

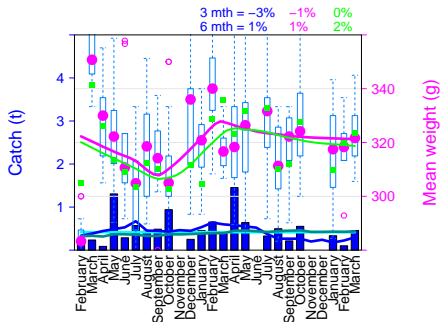
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# Area 13, Long Beach, X2



— Raw catch rate      — Standardised      — 6 mth mean catch  
— Raw mean weight      — Target catch      — 24 mth mean catch



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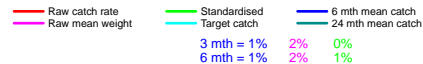
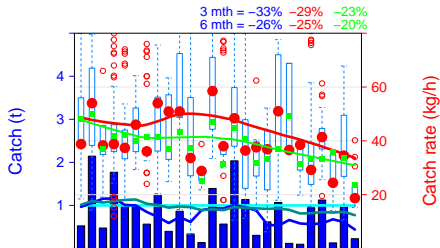
- Area 8, Narooma
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- Area 13, Long Beach

#### Region 5-6

- Area 14, Eden
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# Area 14, Eden, Y11-21



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

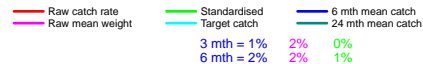
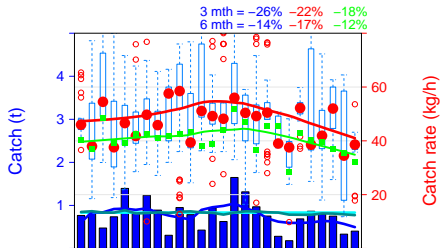
#### Region 3-4

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

#### Region 5-6

- Area 14, Eden
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# Area 15, Saltwater, Y22-23



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- Area 4, Ulladulla
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- Area 6, Batemans
- Area 7, Moruya

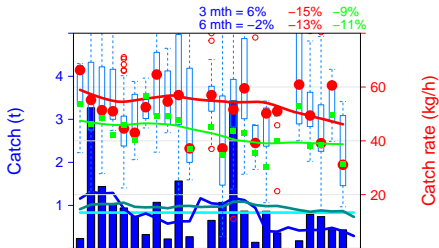
#### Region 3-4

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

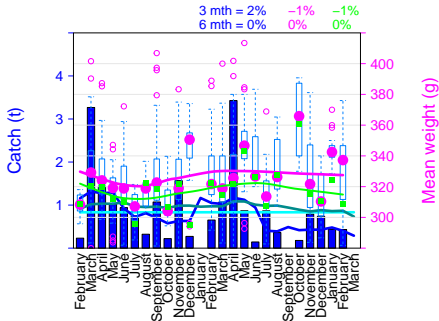
#### Region 5-6

- Area 14, Eden
- Area 15, Saltwater**
- Area 16, Bittangabee
- Area 17, Green Cape
- Area 18, City Rock
- Area 19, Wonboyn
- Area 20, Saltlake
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# Area 16, Bittangabee, Y24



— Raw catch rate      — Standardised      — 6 mth mean catch  
— Raw mean weight      — Target catch      — 24 mth mean catch



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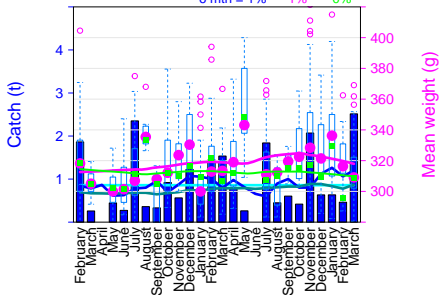
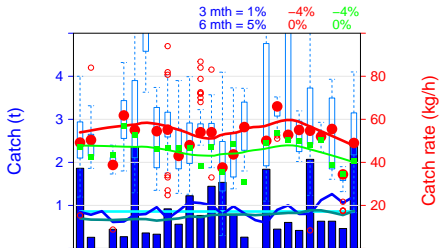
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# Area 17, Green Cape, Y31



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

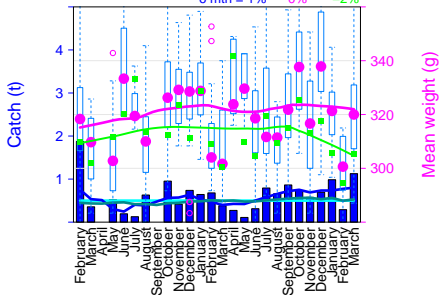
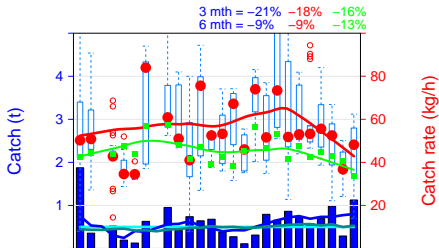
#### Region 3-4

- 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 18, City Rock, Y32



## Contents

### 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

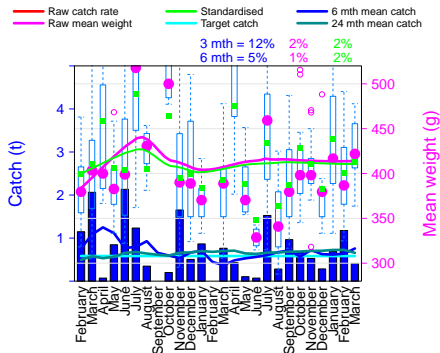
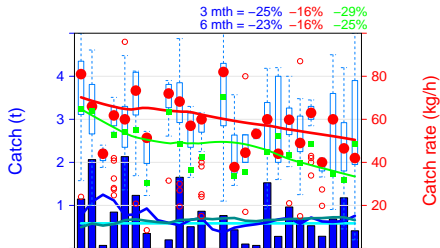
#### Region 3-4

- 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



## Contents

### 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

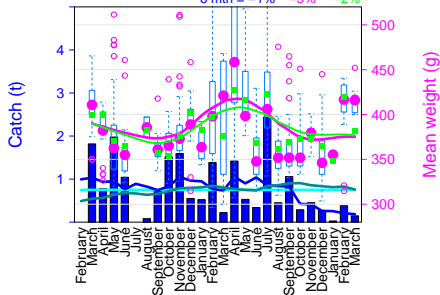
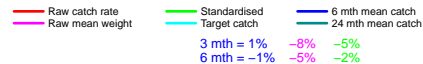
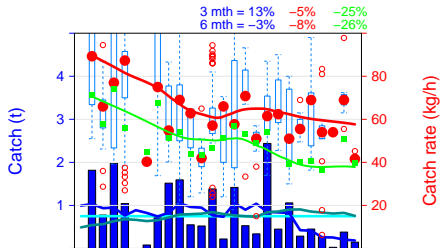
#### Region 3-4

- 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



## Contents

### 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

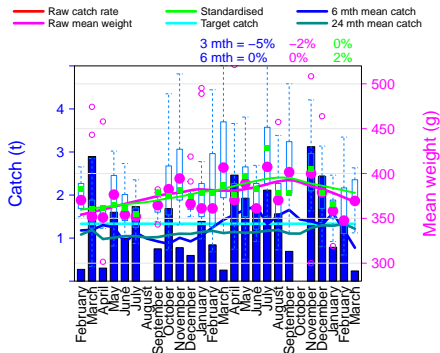
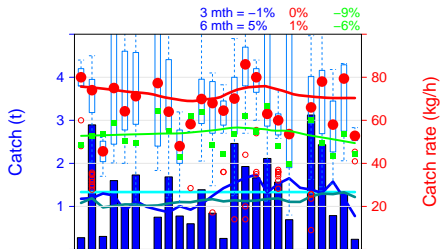
#### Region 3-4

- 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



## Contents

### 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