

NSW Abalone Fishery Logbook catch figures

Abalone Council of NSW

22 January, 2020

Monthly Area summary for 26 months
Note catch data up to end December 2019

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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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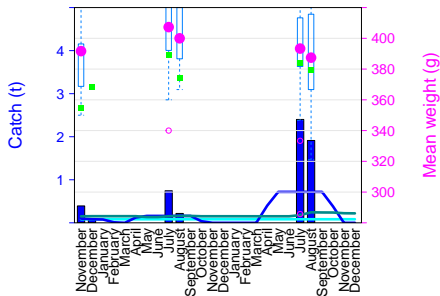
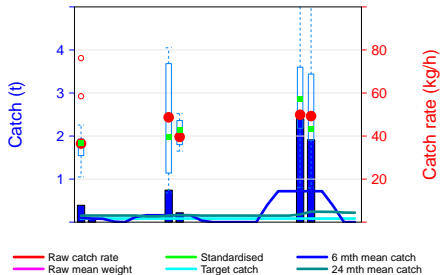
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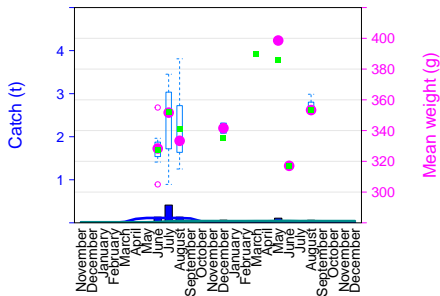
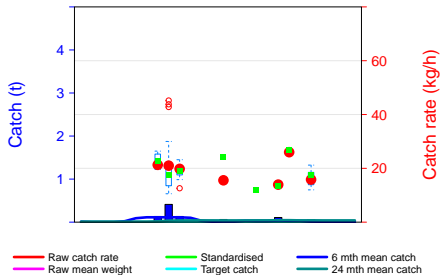
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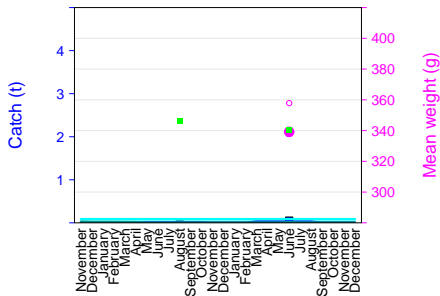
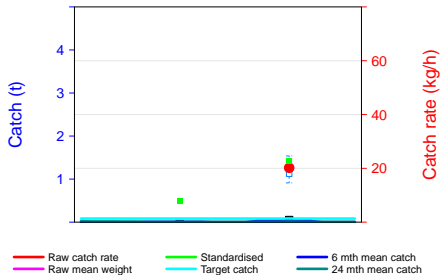
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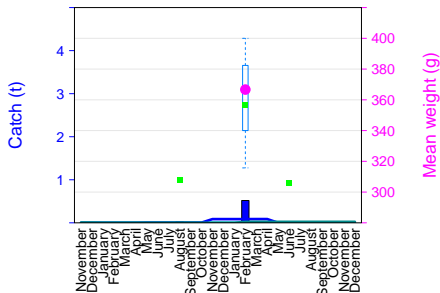
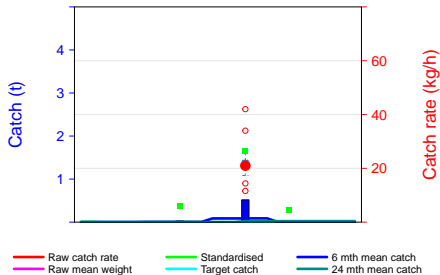
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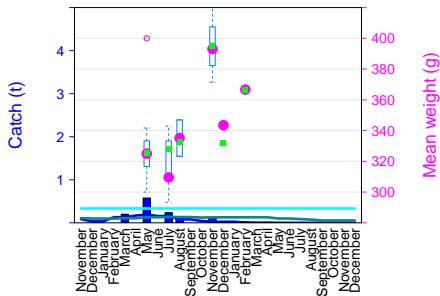
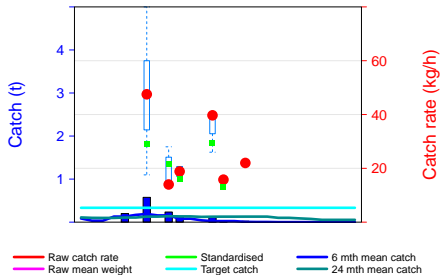
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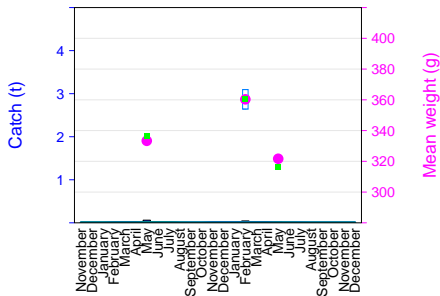
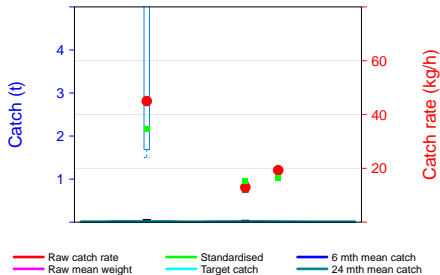
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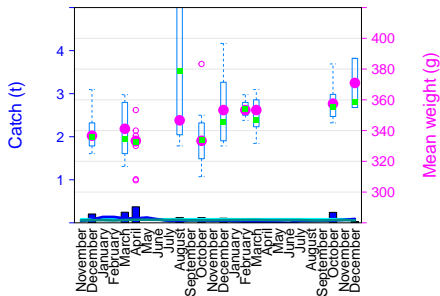
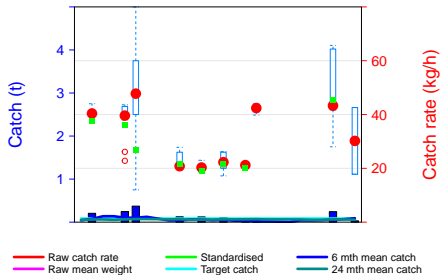
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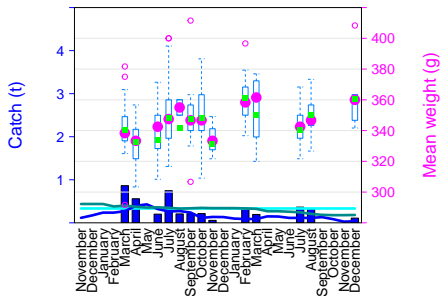
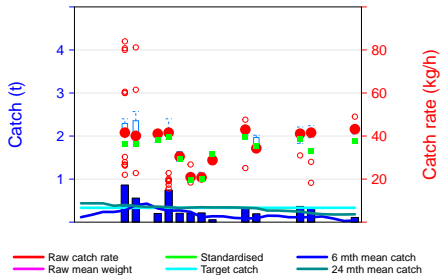
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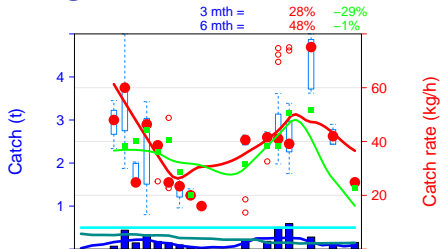
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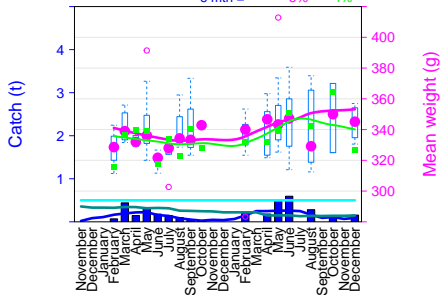
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Area 9, Bermagui, U1-3



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

3 mth = 6% 3%
6 mth = 5% 4%



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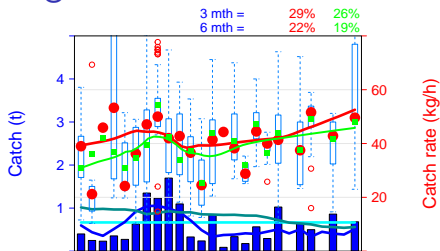
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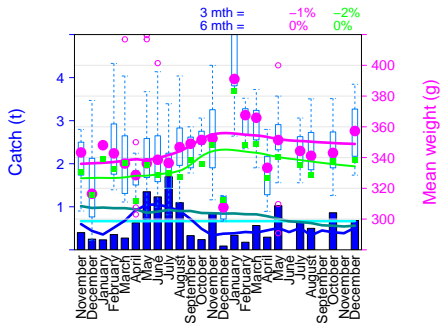
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Area 10, Bunga, U4-V2



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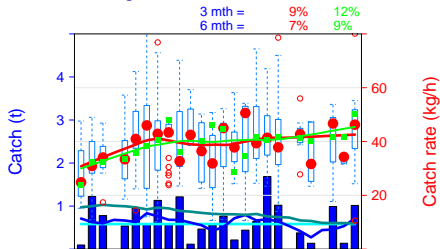
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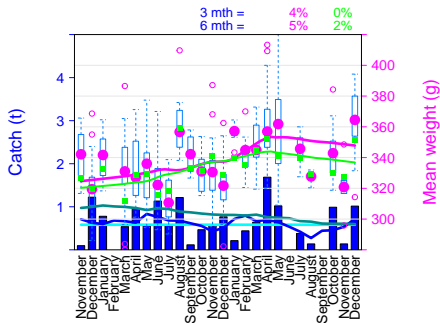
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— Raw catch rate — Standardised — 6 mth mean catch
— Raw mean weight — Target catch — 24 mth mean catch



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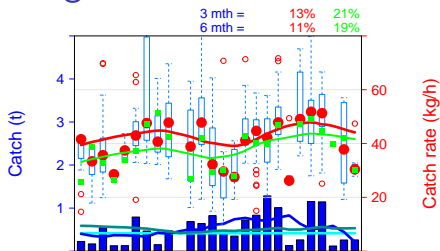
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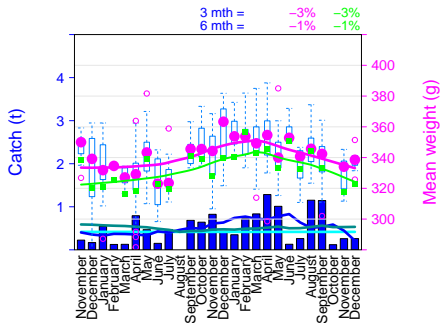
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— Raw catch rate — Standardised — 6 mth mean catch
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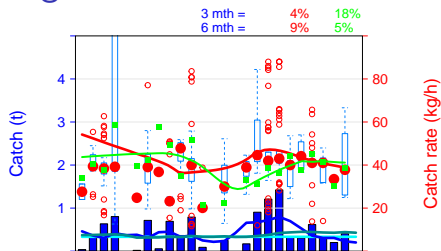
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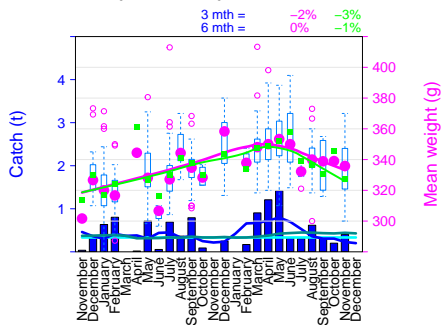
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3 mth = -2% -3%
6 mth = 0% -1%



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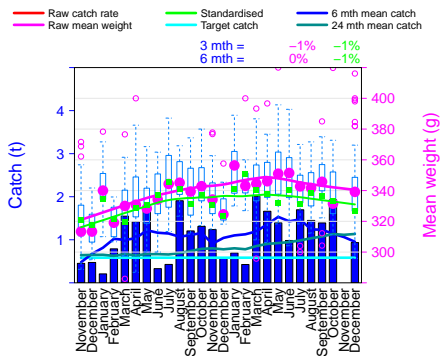
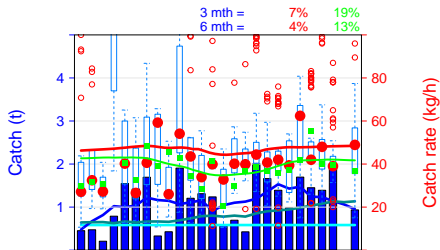
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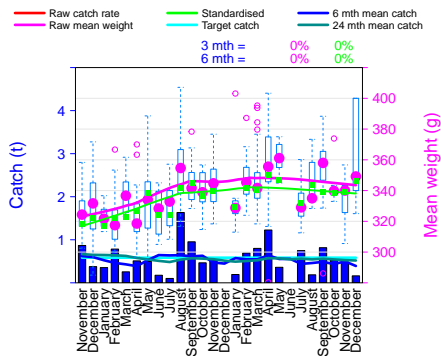
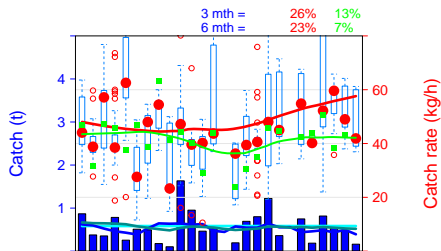
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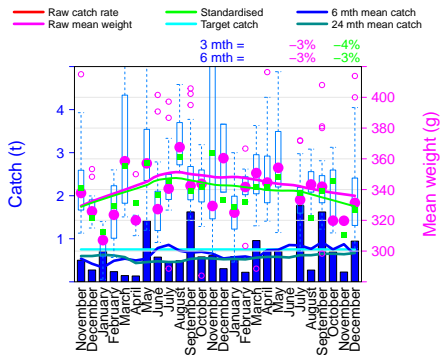
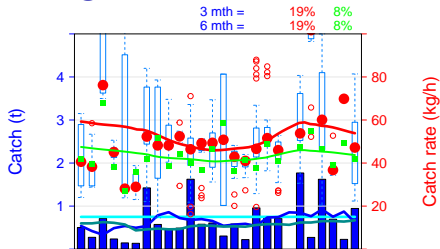
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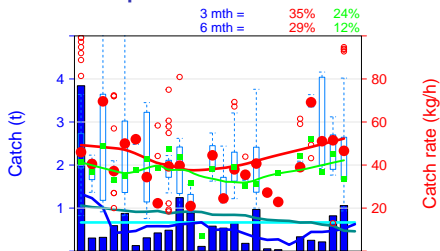
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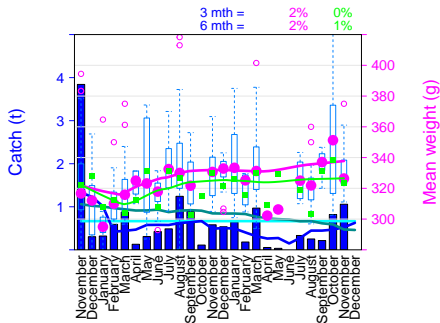
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Area 17, Green Cape, Y31



Raw catch rate (red line) Standardised (green line) 6 mth mean catch (blue line)
Raw mean weight (pink line) Target catch (cyan line) 24 mth mean catch (teal line)



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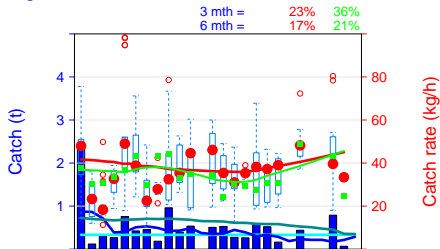
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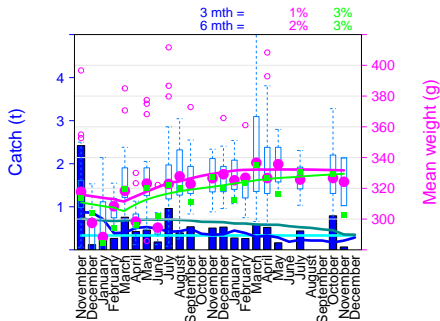
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Raw catch rate Standardised 6 mth mean catch
Raw mean weight Target catch 24 mth mean catch



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SMU 1

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

SMU 2

- Area 7, Tross
- Area 8, Narooma
- Area 9, Bermagui
- Area 10, Bunga
- Area 11, Moon Bay
- Area 12, Turingal
- Area 13, Long Beach

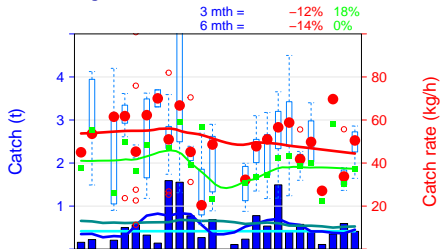
SMU 3

- Area 14, Eden
- Area 15, Saltwater
- Area 16, Bittangabee
- Area 17, Green Cape
- Area 18, City Rock

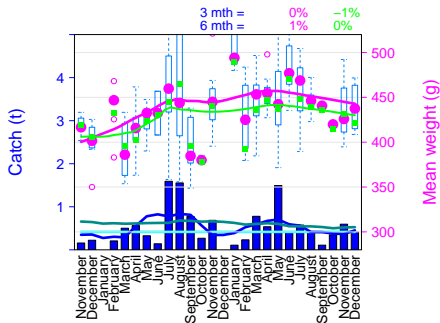
SMU 4

- Area 19, Wonboyn
- Area 20, Saltlake
- Area 21, Howe

Area 19, Wonboyn, Z1-3



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



Contents

Figure description

SMU 1

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

SMU 2

- Area 7, Tross
- Area 8, Narooma
- Area 9, Bermagui
- Area 10, Bunga
- Area 11, Moon Bay
- Area 12, Turingal
- Area 13, Long Beach

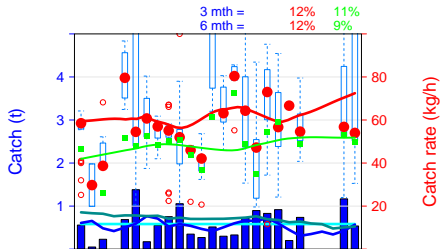
SMU 3

- Area 14, Eden
- Area 15, Saltwater
- Area 16, Bittangabee
- Area 17, Green Cape
- Area 18, City Rock

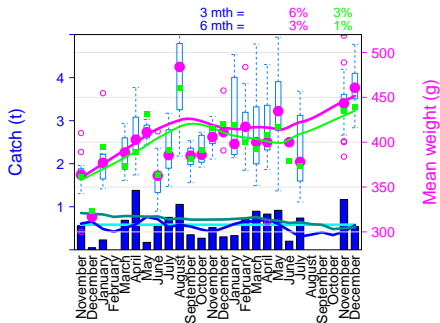
SMU 4

- Area 19, Wonboyn**
- Area 20, Saltlake
- Area 21, Howe

Area 20, Saltlake, Z4



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



Contents

Figure description

SMU 1

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

SMU 2

- Area 7, Turoos
- Area 8, Narooma
- Area 9, Bermagui
- Area 10, Bunga
- Area 11, Moon Bay
- Area 12, Turingal
- Area 13, Long Beach

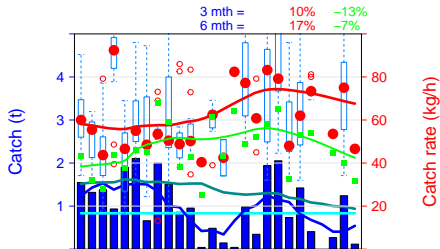
SMU 3

- Area 14, Eden
- Area 15, Saltwater
- Area 16, Bittangabee
- Area 17, Green Cape
- Area 18, City Rock

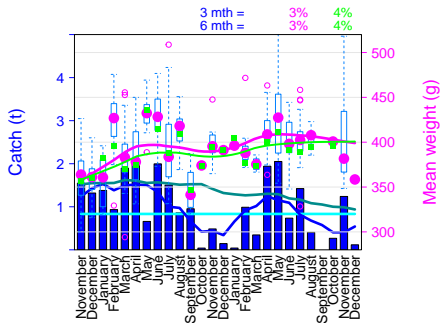
SMU 4

- Area 19, Wonboyn
- Area 20, Saltlake
- Area 21, Howe

Area 21, Howe, Z5



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



Contents

Figure description

SMU 1

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

SMU 2

- Area 7, Turoos
- Area 8, Narooma
- Area 9, Bermagui
- Area 10, Bunga
- Area 11, Moon Bay
- Area 12, Turingal
- Area 13, Long Beach

SMU 3

- Area 14, Eden
- Area 15, Saltwater
- Area 16, Bittangabee
- Area 17, Green Cape
- Area 18, City Rock

SMU 4

- Area 19, Wonboyn
- Area 20, Saltlake
- Area 21, Howe