

NSW Abalone Fishery Logbook catch figures

Abalone Council of NSW

5 April, 2018

Monthly Area summary for 26 months
Note catch data up to end March 2018

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

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

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

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.

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

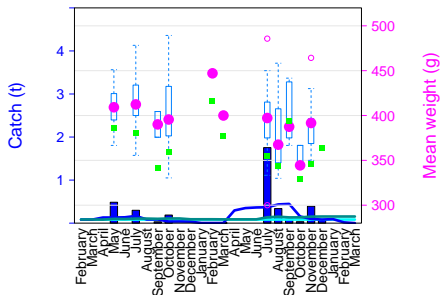
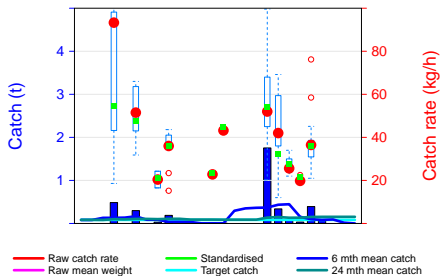
Region 3-4

- 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

Area 1, Tweed, A-E



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

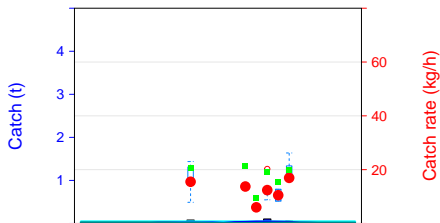
Region 3-4

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

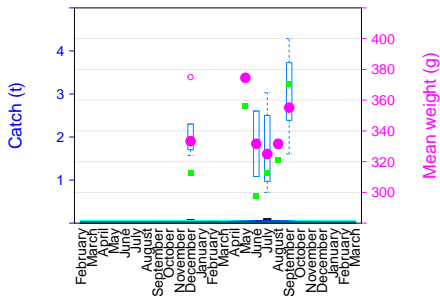
Region 5-6

- 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

Area 2, Port Stephens, F-J



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



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

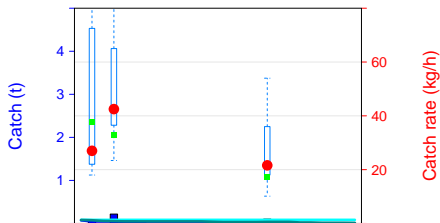
Region 3-4

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

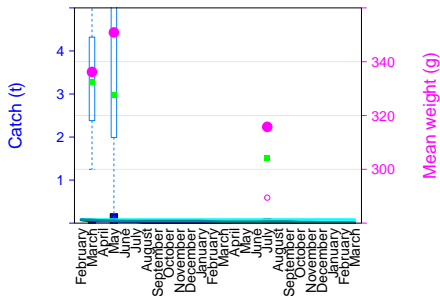
Region 5-6

- 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

Area 3, Kiama, K-M



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



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

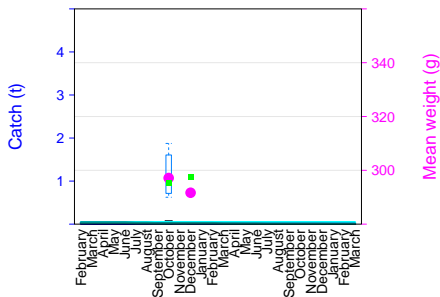
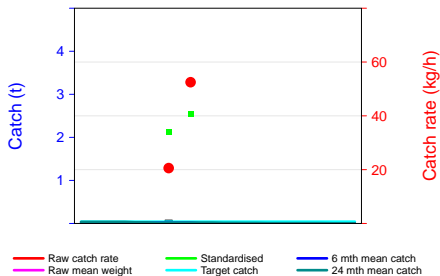
Region 3-4

- 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

Area 4, Ulladulla, N



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

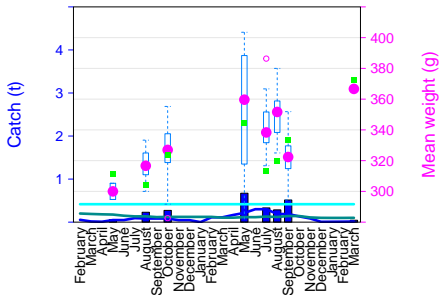
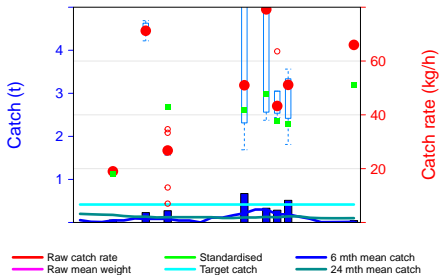
Region 3-4

- 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

Area 5, South Brush, P



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

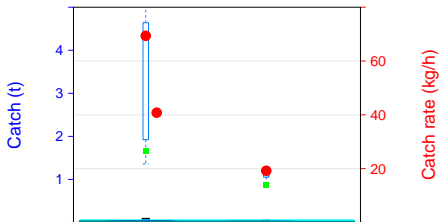
Region 3-4

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

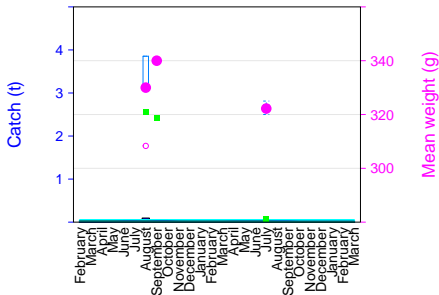
Region 5-6

- 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 6, Batemans, Q



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



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

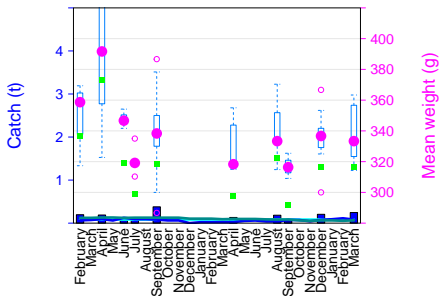
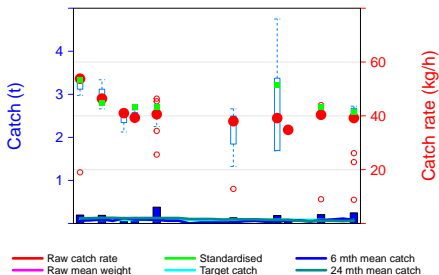
Region 3-4

- 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

Area 7, Moruya, R-S



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

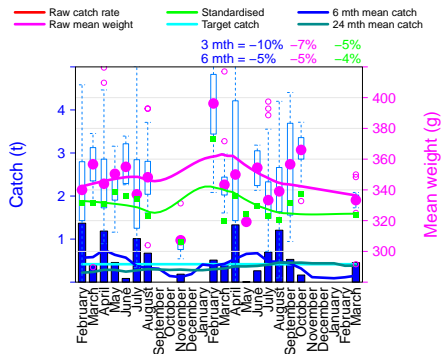
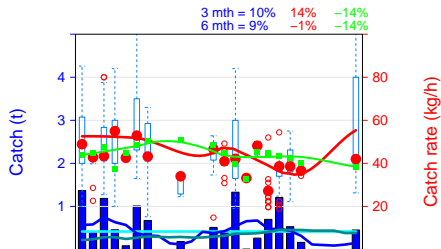
Region 3-4

- 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

Area 8, Narooma, T



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

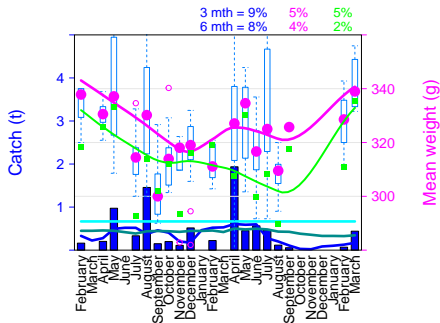
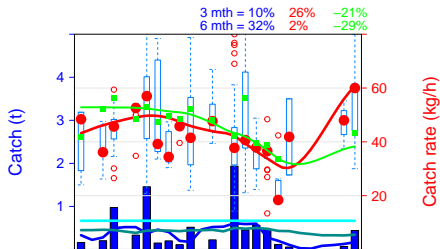
Region 3-4

- 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 9, Bermagui, U1-3



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

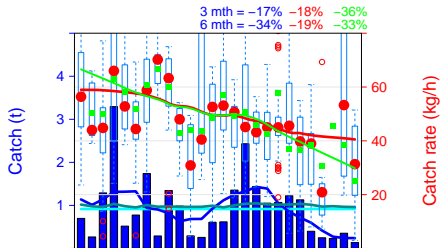
Region 3-4

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

Region 5-6

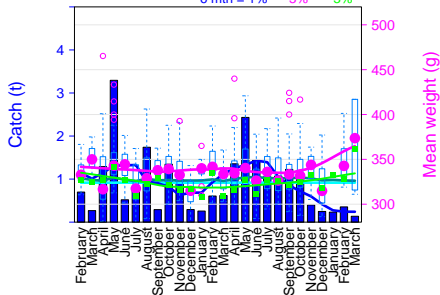
- Area 14, Eden
- Area 15, Saltwater
- Area 16, Bittangabee
- Area 17, Green Cape
- Area 18, City Rock
- Area 19, Wonboyn
- Area 20, Saltlake
- Area 21, Howe

Area 10, Bunga, U4-V2



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

3 mth = 6% 6% 4%
 6 mth = 1% 3% 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

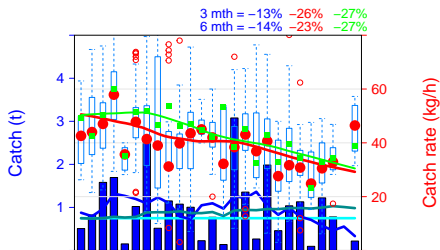
Region 3-4

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

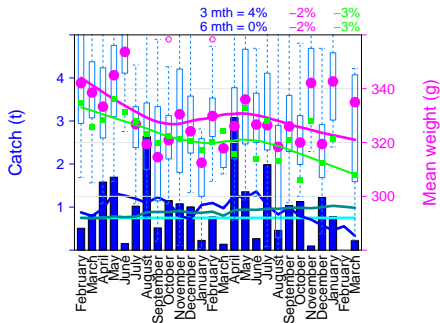
Region 5-6

- 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 11, Moon Bay, V3-W1



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



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

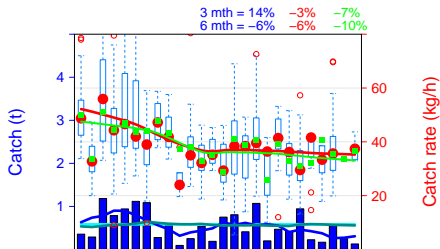
Region 3-4

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

Region 5-6

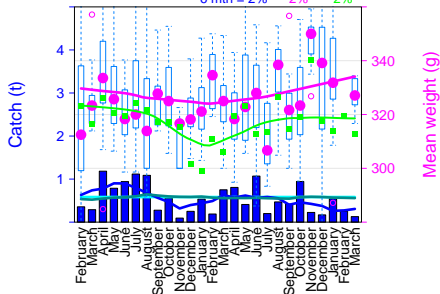
- Area 14, Eden
- Area 15, Saltwater
- Area 16, Bittangabee
- Area 17, Green Cape
- Area 18, City Rock
- Area 19, Wonboyn
- Area 20, Saltlake
- Area 21, Howe

Area 12, Turingal, W2-X1



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

3 mth = 2% 3% 3%
6 mth = 2% 2% 2%



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

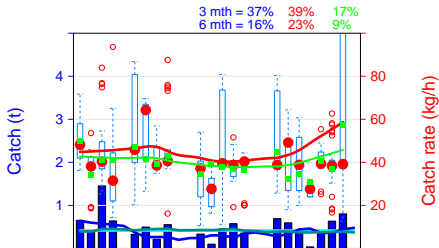
Region 3-4

- 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

Area 13, Long Beach, X2



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

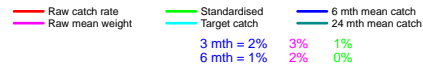
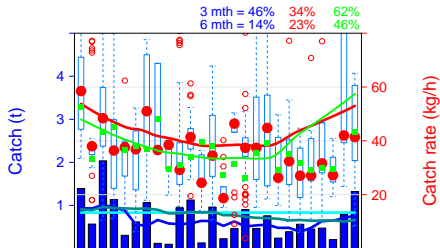
Region 3-4

- 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 14, Eden, Y11-21



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

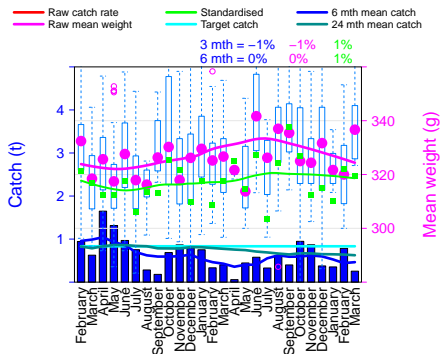
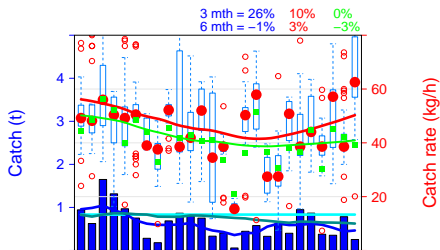
Region 3-4

- 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 15, Saltwater, Y22-23



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

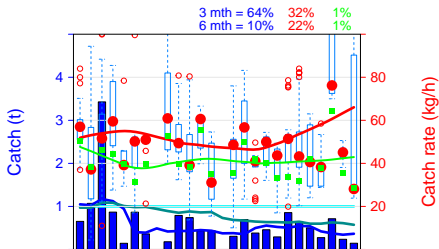
Region 3-4

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

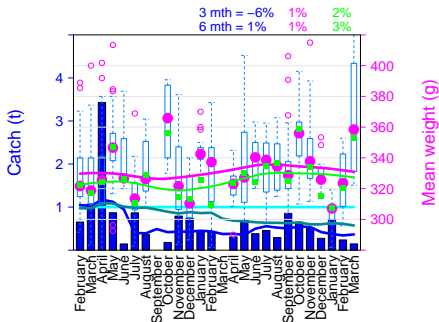
Region 5-6

- 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 16, Bittangabee, Y24



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



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

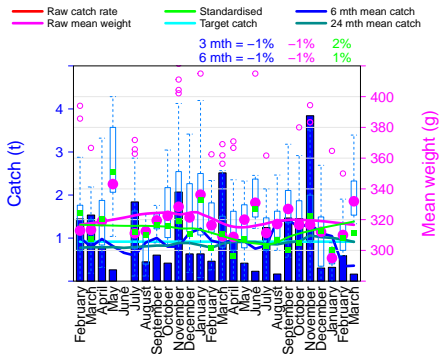
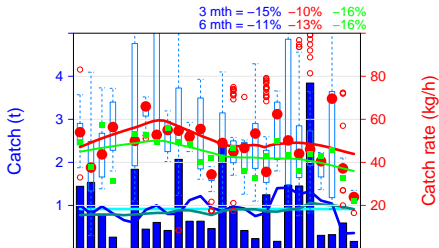
Region 3-4

- 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 17, Green Cape, Y31



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

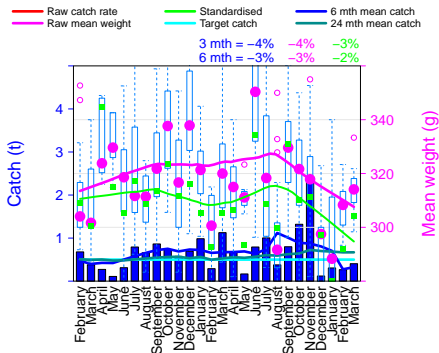
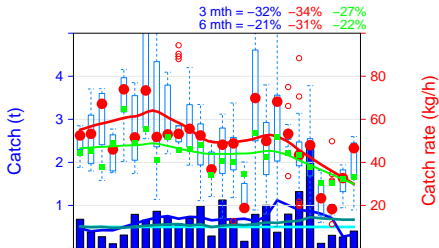
Region 3-4

- 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 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

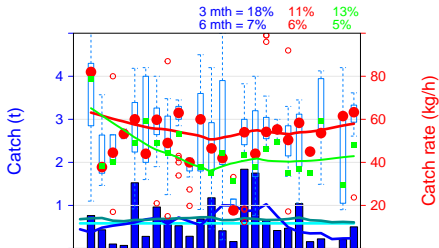
Region 3-4

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

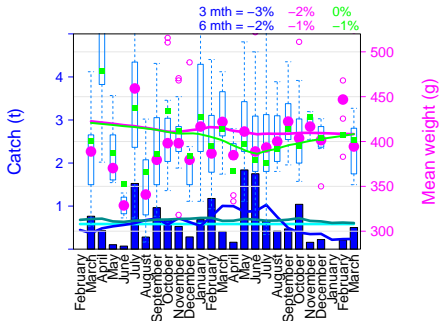
Region 5-6

- 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



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



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

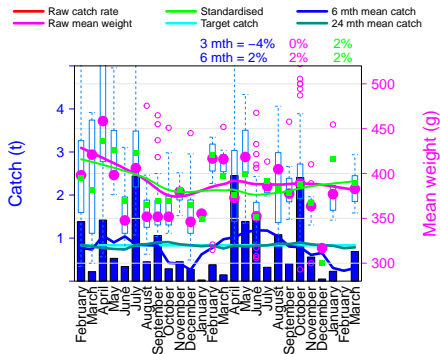
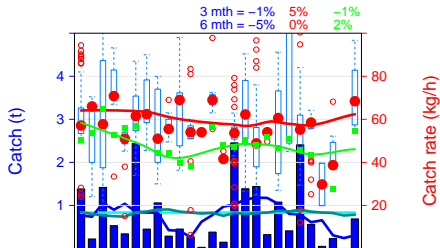
Region 3-4

- 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

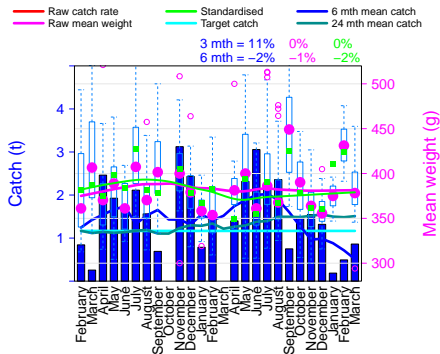
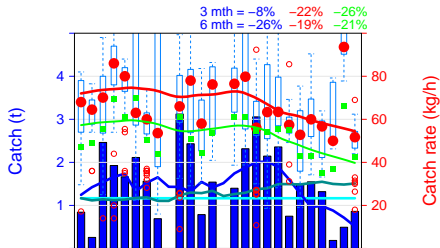
Region 3-4

- 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, 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