



Christchurch City Council

2013-2015 Coastcare and Dune restoration

Spencer Park

Southshore Spit

Harris Bay

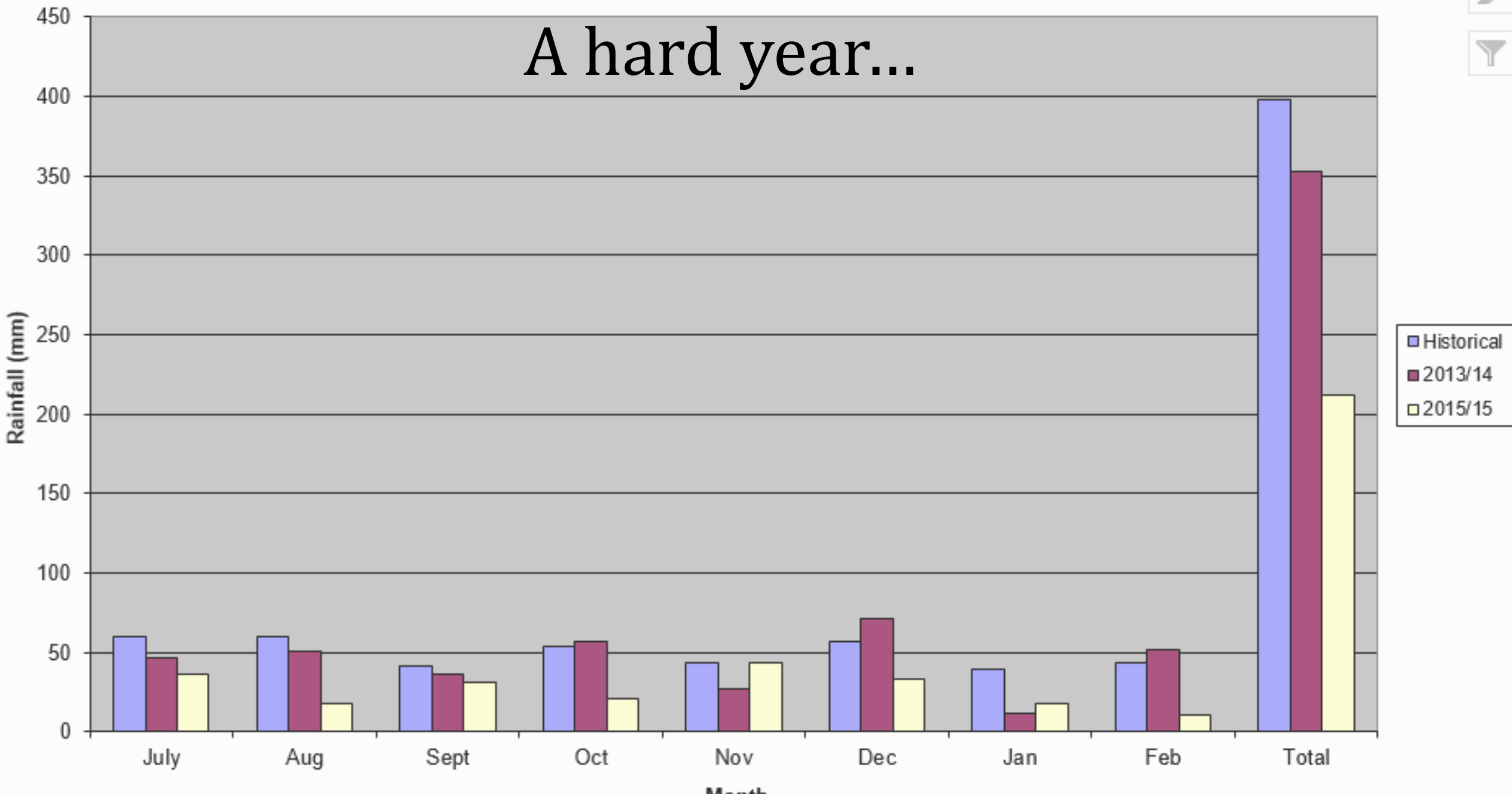
Little Okains Bay

Image © 2015 TerraMetrics
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image © 2015 DigitalGlobe
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Google earth

Imagery Date: 1/0/2015 43°22'33.60" S 172°54'06.46" E elev: 20 m eye alt: 50.25 km

A hard year...



Stressed plants







Image © 2015 TerraMetrics
Image © 2015 DigitalGlobe

Google earth

2006

Images Date: 1/9/2015 42°24'29.49" S 172°42'55.04" E elev: 0 m eye alt: 11.48 km

Foredune restoration





Backdune restoration- dense Pinus canopy



Silver Poplar deciduous canopy



Young/open Pinus canopy

Marram/lupin cover



Setbacks...





And opportunities





Spinifex colonisation for first time





2013 self seeded sites (approx. 20 patches)

Warmest winter since 1909, 155% of winter rainfall...

2014 self sown plants (only a couple)



Mapped them



First evidence of self seeded Pingao





Adding diversity- *Carex pumila*

Muehlenbeckia complexa



Carmichaelia



An aerial photograph of a beach foredune. The dune is covered with a grid of planted grasses. A green mesh fence runs along the edge of the dune, separating it from the beach. The ocean is visible in the background. The text 'Foredune totals 2012-2015' is overlaid on the top left of the image.

Foredune totals 2012-2015

- 12000 pingao

- 8000 Spinifex



Little Okains Bay public planting day



100% engagement

2014 trapping results

- 134 rats
- 27 hedgehogs
- 64 Weasels
- 1 Ferret
- 7 Stoats
- 26 Mice
- 14 Possums
- 1 Cat



- Southshore and Scarborough penguins declining
- Harris Bay colony thriving

- Banded Dotterel some successful breeding

