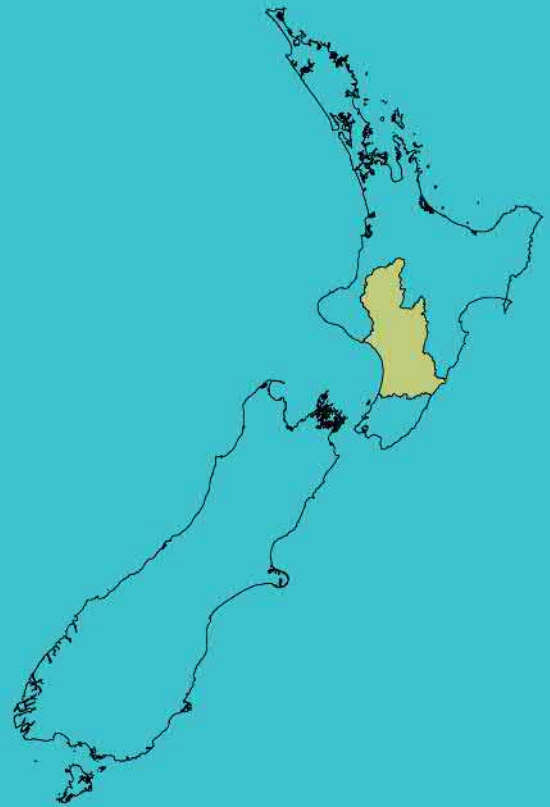




New Zealand

GARDEN BIRD SURVEY



MANAWATU-WANGANUI REGION

State of NZ Garden Birds

Te Āhua o ngā Manu o te Kāri i Aotearoa

2017

NUMBER OF SURVEYED GARDENS



Manaaki
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We have estimated how bird counts have changed since 2007 in different regions and towns across New Zealand for 14 common garden visitors – five native and nine introduced birds.

Thanks to all our volunteer bird counters, 31,679 garden surveys have been completed nationwide since 2007. We use specialised statistical tools to account for variation in sampling effort between regions, towns and suburbs over time. We also account for variation in bird counts depending on whether the surveyed gardens were in a rural or urban setting and if birds were fed or not. We also correct for the actual number of gardens in each area.

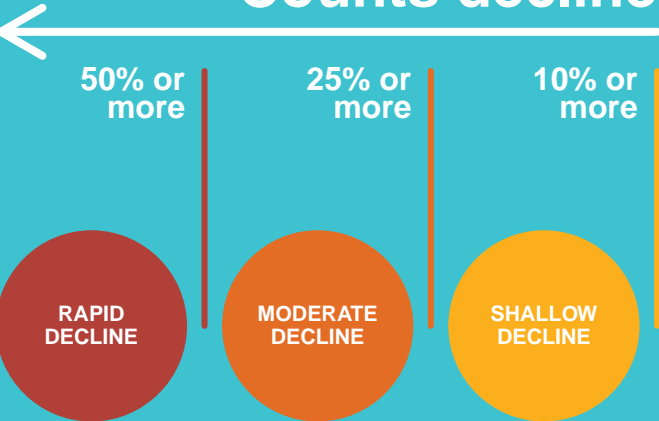
We then classify these changes according to their direction and size (see diagram below) to help us identify changes of potential concern or interest.

How have bird counts changed?

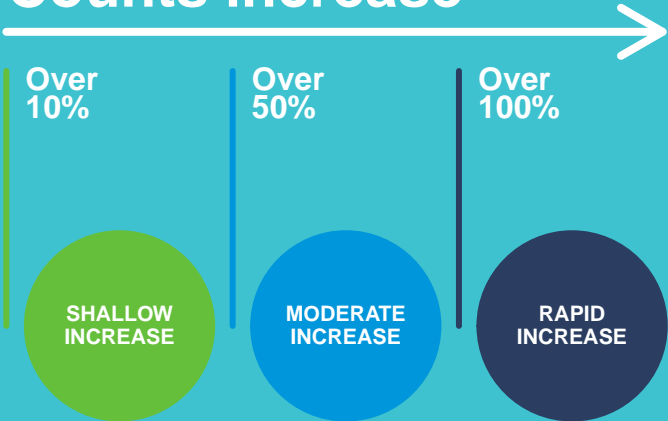


Drawing attention to changes in counts that may be of concern or interest

Counts decline

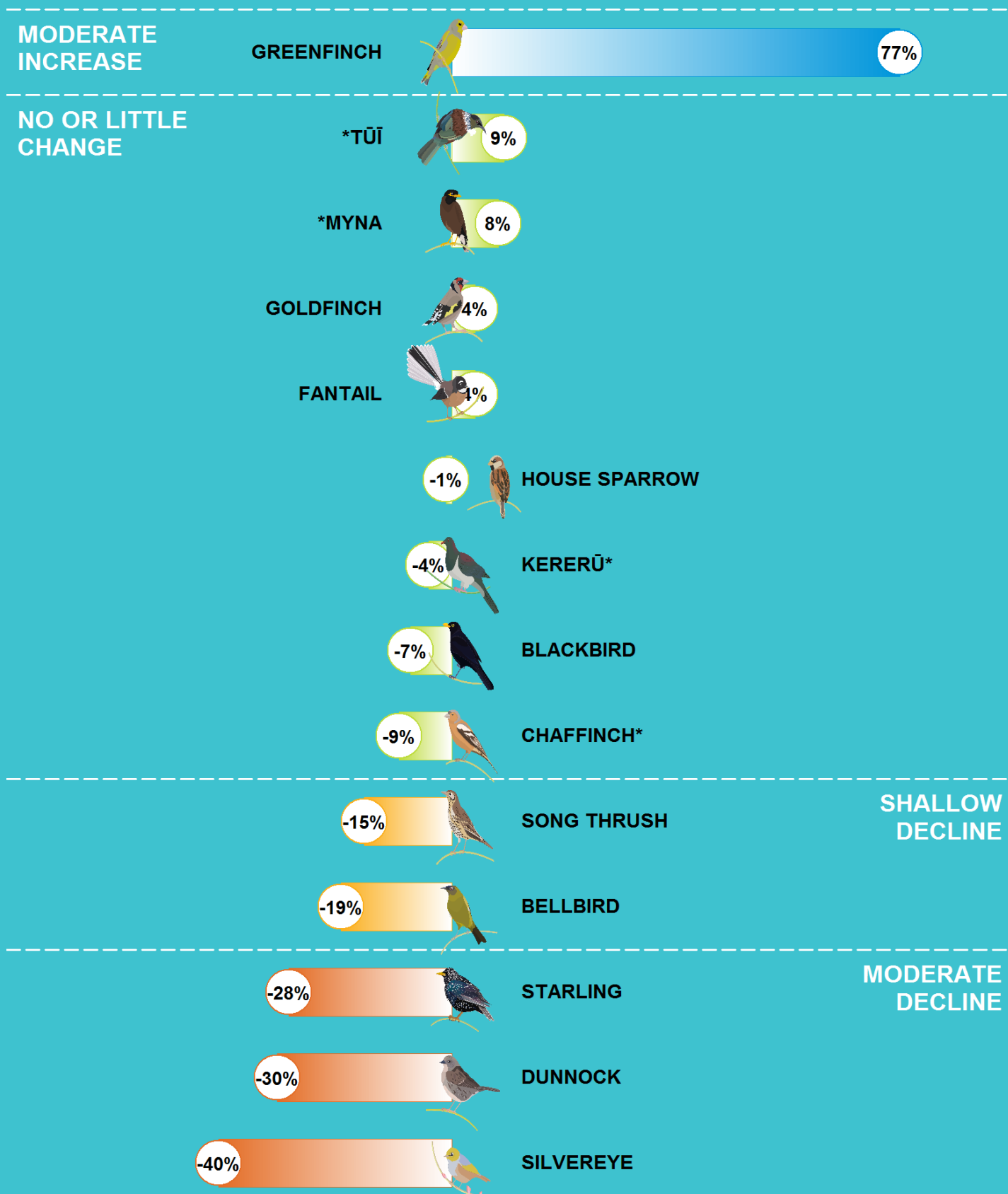


Counts increase



How have bird counts changed?

MANAWATU-WANGANUI REGION | 2007-2017

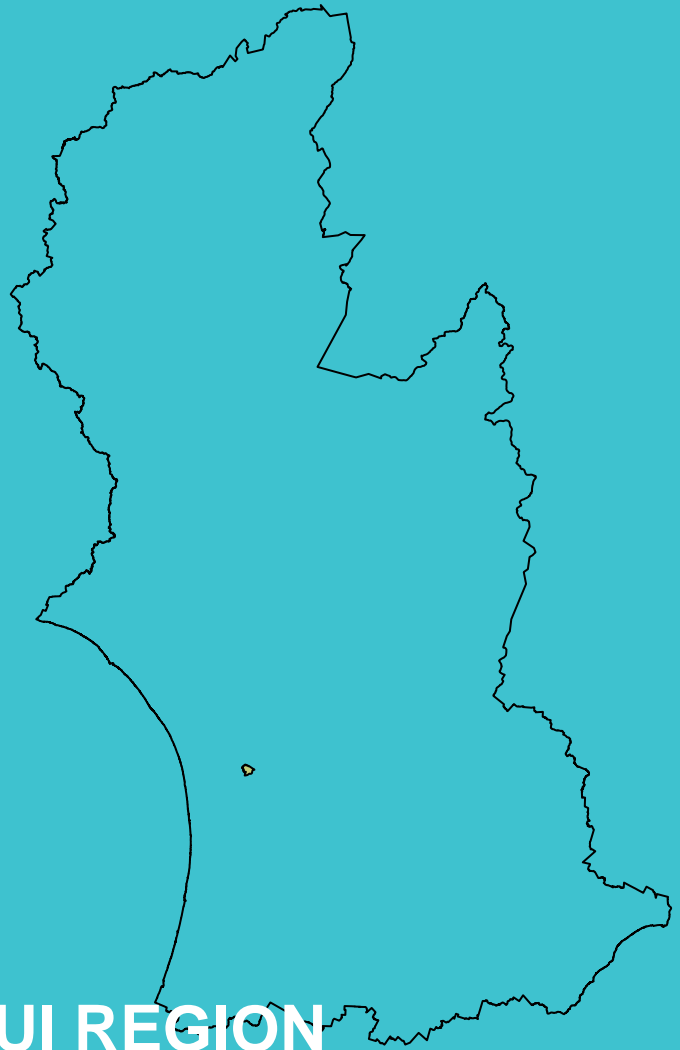


Data source: 31,679 garden surveys nationwide between 2007 and 2017.
This includes 1448 garden surveys in this specific area.

* Based on available data, evidence for these species' estimates is weak.



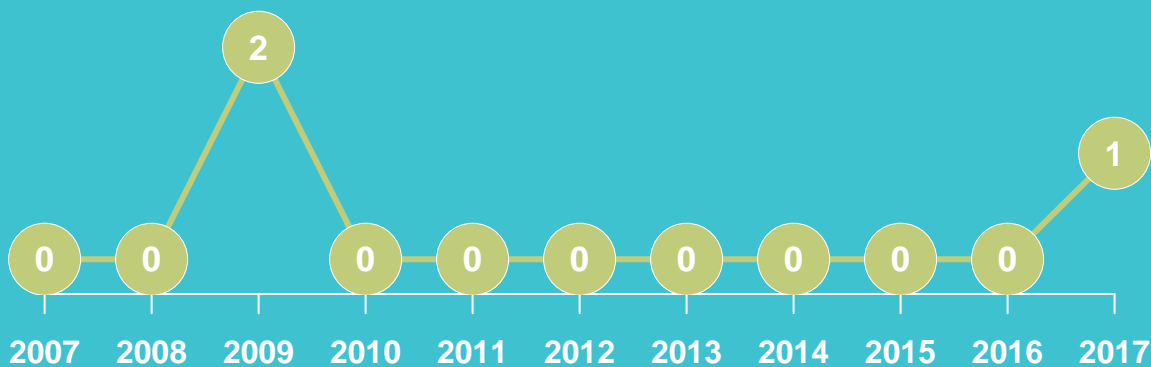
New Zealand
**GARDEN
BIRD
SURVEY**



MANAWATU-WANGANUI REGION

BULLS

NUMBER OF SURVEYED GARDENS

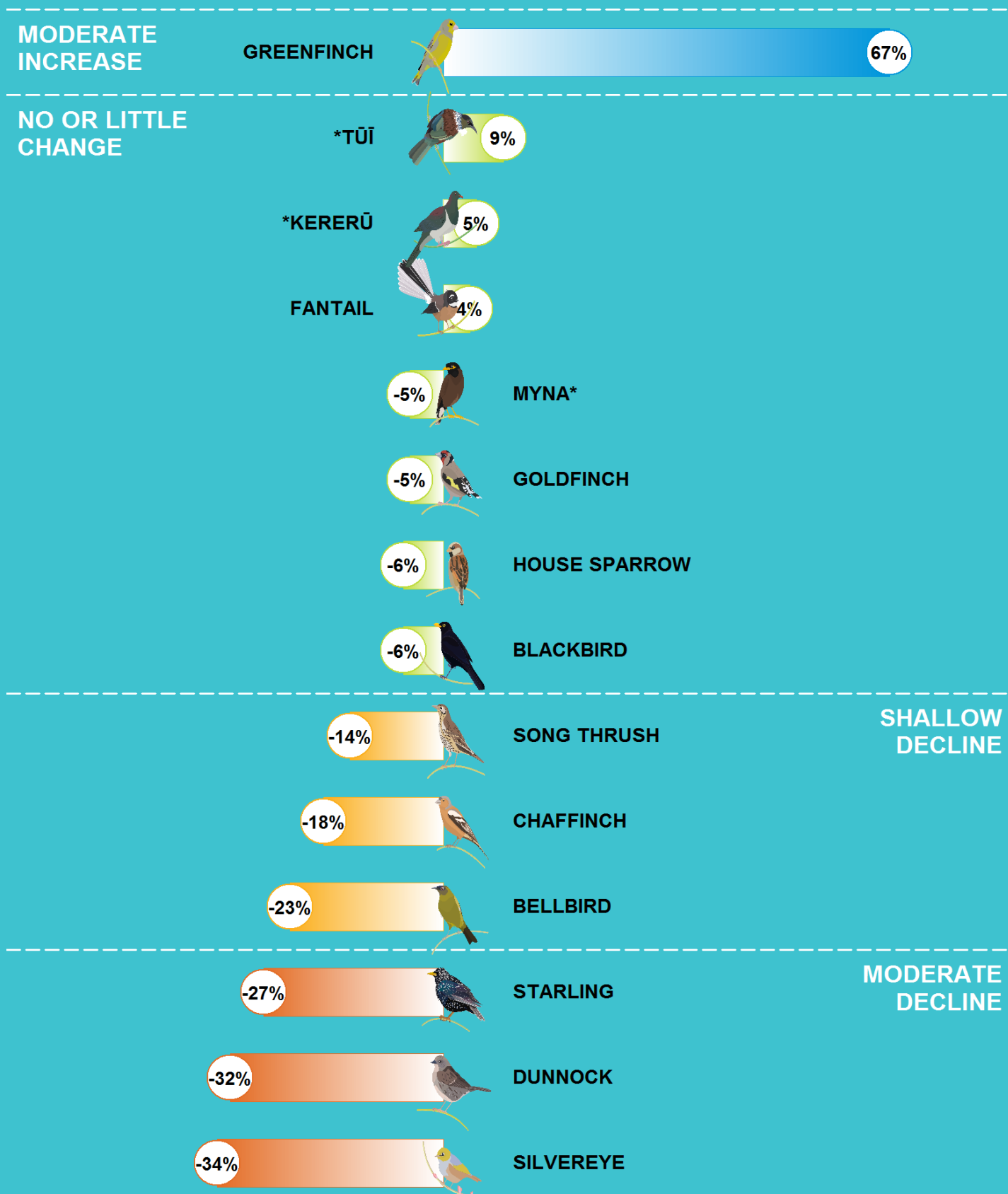


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Landcare
Research

How have bird counts changed?

MANAWATU-WANGANUI REGION | 2007-2017

Bulls



Data source: 31,679 garden surveys nationwide between 2007 and 2017.
This includes 3 garden surveys in this specific area.

* Based on available data, evidence for these species' estimates is weak.



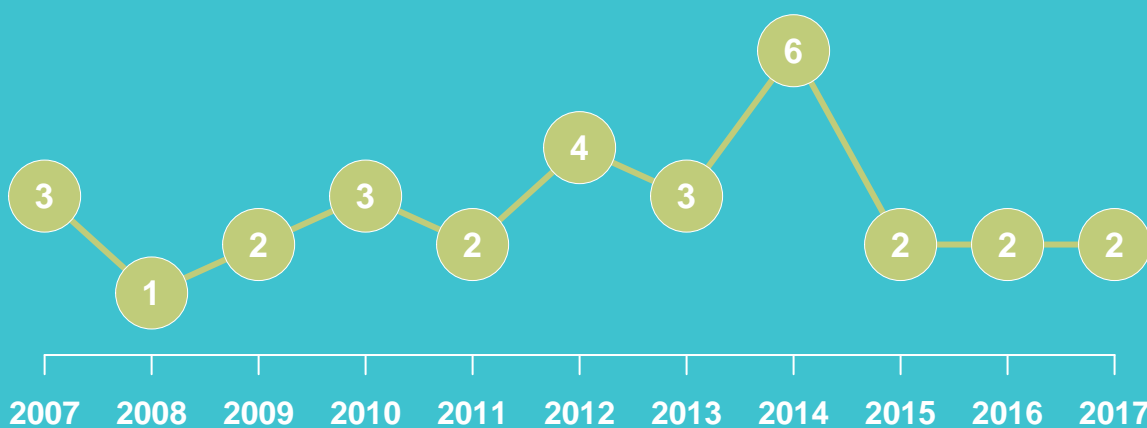
New Zealand
**GARDEN
BIRD
SURVEY**



MANAWATU-WANGANUI REGION

DANNEVIRKE

NUMBER OF SURVEYED GARDENS

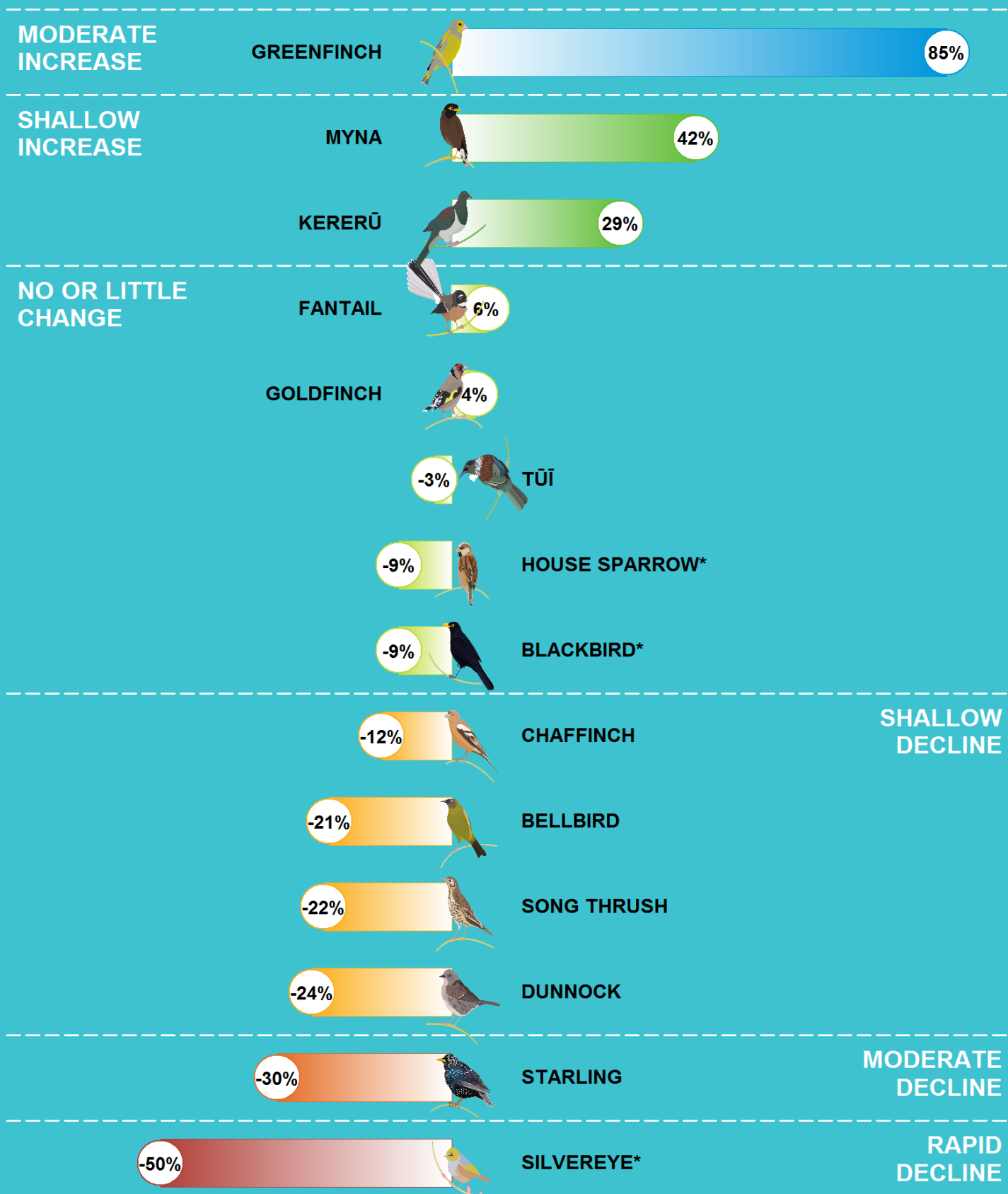


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Landcare
Research

How have bird counts changed?

MANAWATU-WANGANUI REGION | 2007-2017

Dannevirke

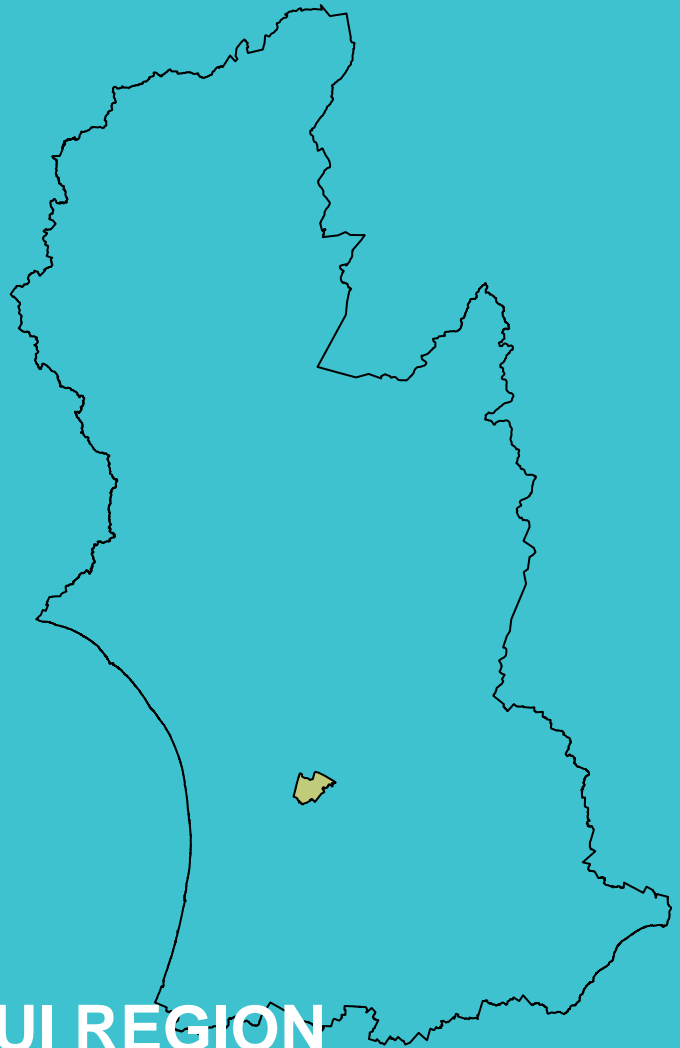


Data source: 31,679 garden surveys nationwide between 2007 and 2017.
This includes 30 garden surveys in this specific area.

* Based on available data, evidence for these species' estimates is weak.



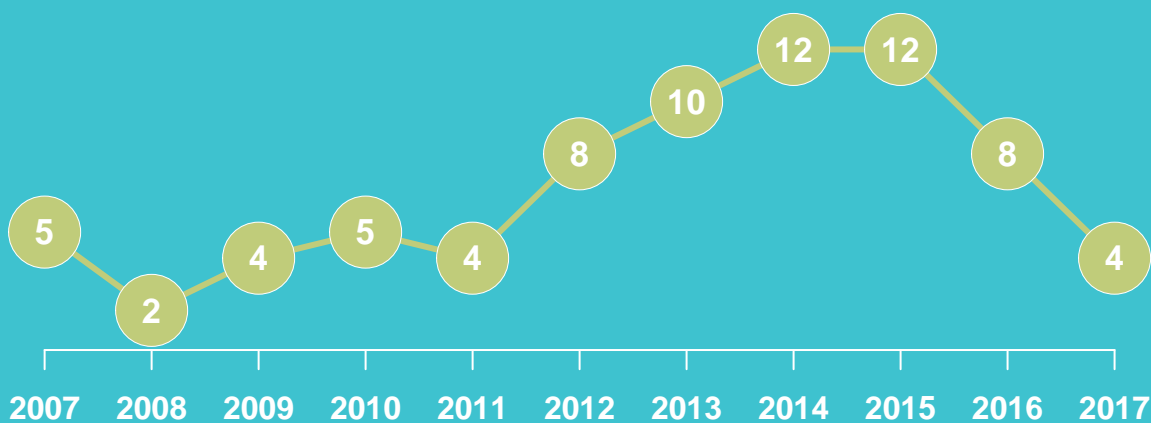
New Zealand
**GARDEN
BIRD
SURVEY**



MANAWATU-WANGANUI REGION

FEILDING

NUMBER OF SURVEYED GARDENS

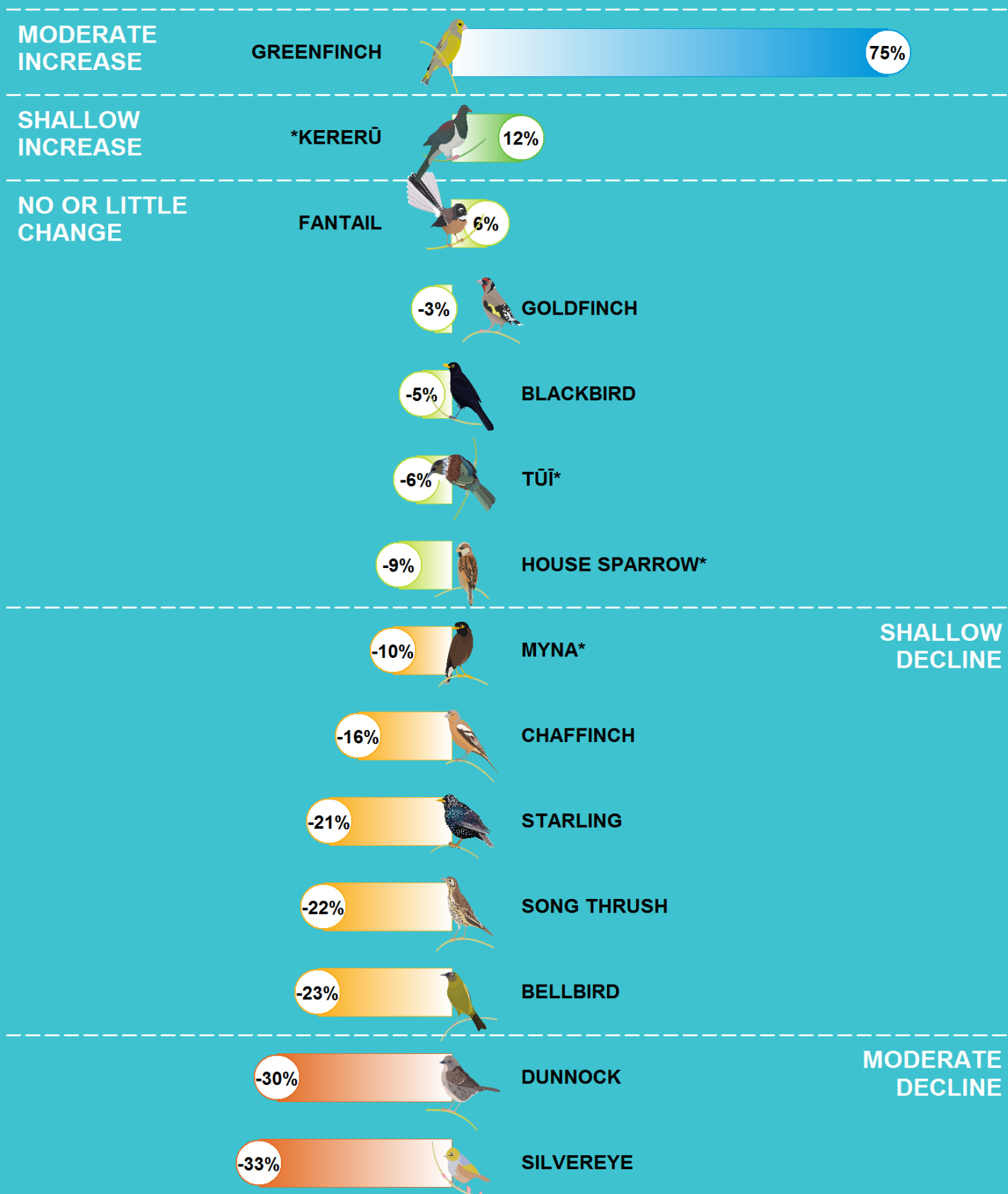


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Landcare
Research

How have bird counts changed?

MANAWATU-WANGANUI REGION | 2007-2017

Feilding



Data source: 31,679 garden surveys nationwide between 2007 and 2017.
This includes 74 garden surveys in this specific area.

* Based on available data, evidence for these species' estimates is weak.



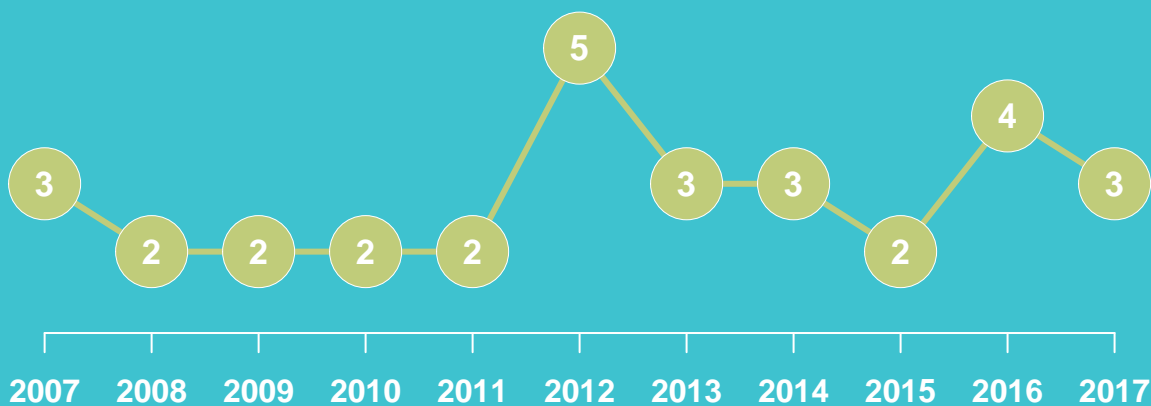
New Zealand
**GARDEN
BIRD
SURVEY**



MANAWATU-WANGANUI REGION

FOXTON COMMUNITY

NUMBER OF SURVEYED GARDENS

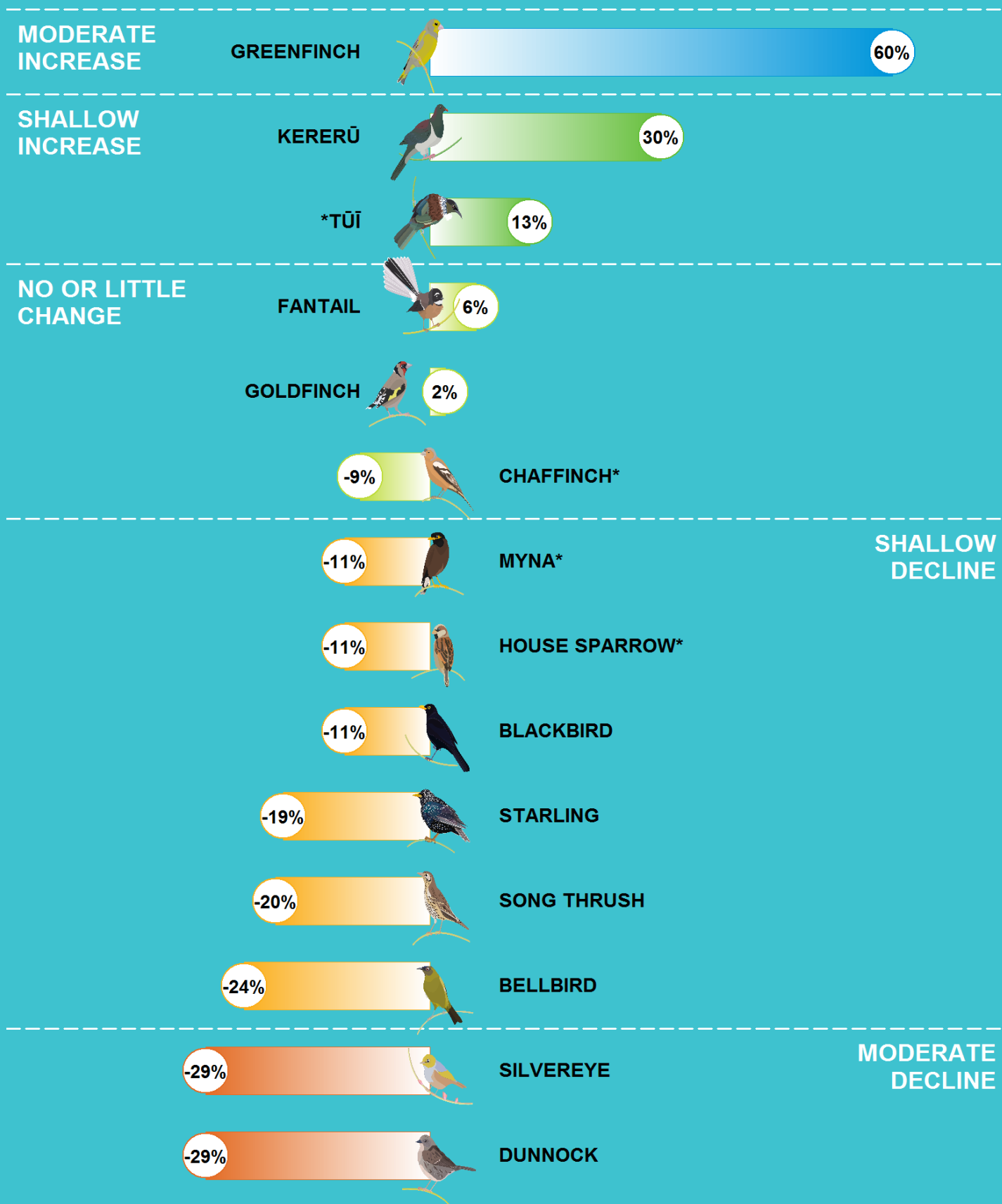


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How have bird counts changed?

MANAWATU-WANGANUI REGION | 2007-2017

Foxton Community



Data source: 31,679 garden surveys nationwide between 2007 and 2017.
This includes 31 garden surveys in this specific area.

* Based on available data, evidence for these species' estimates is weak.



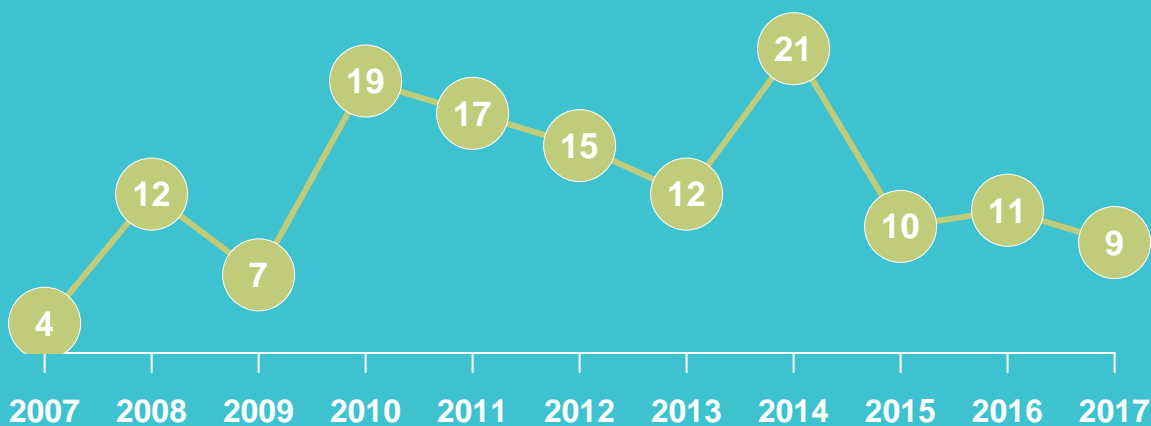
New Zealand
**GARDEN
BIRD
SURVEY**



MANAWATU-WANGANUI REGION

LEVIN

NUMBER OF SURVEYED GARDENS

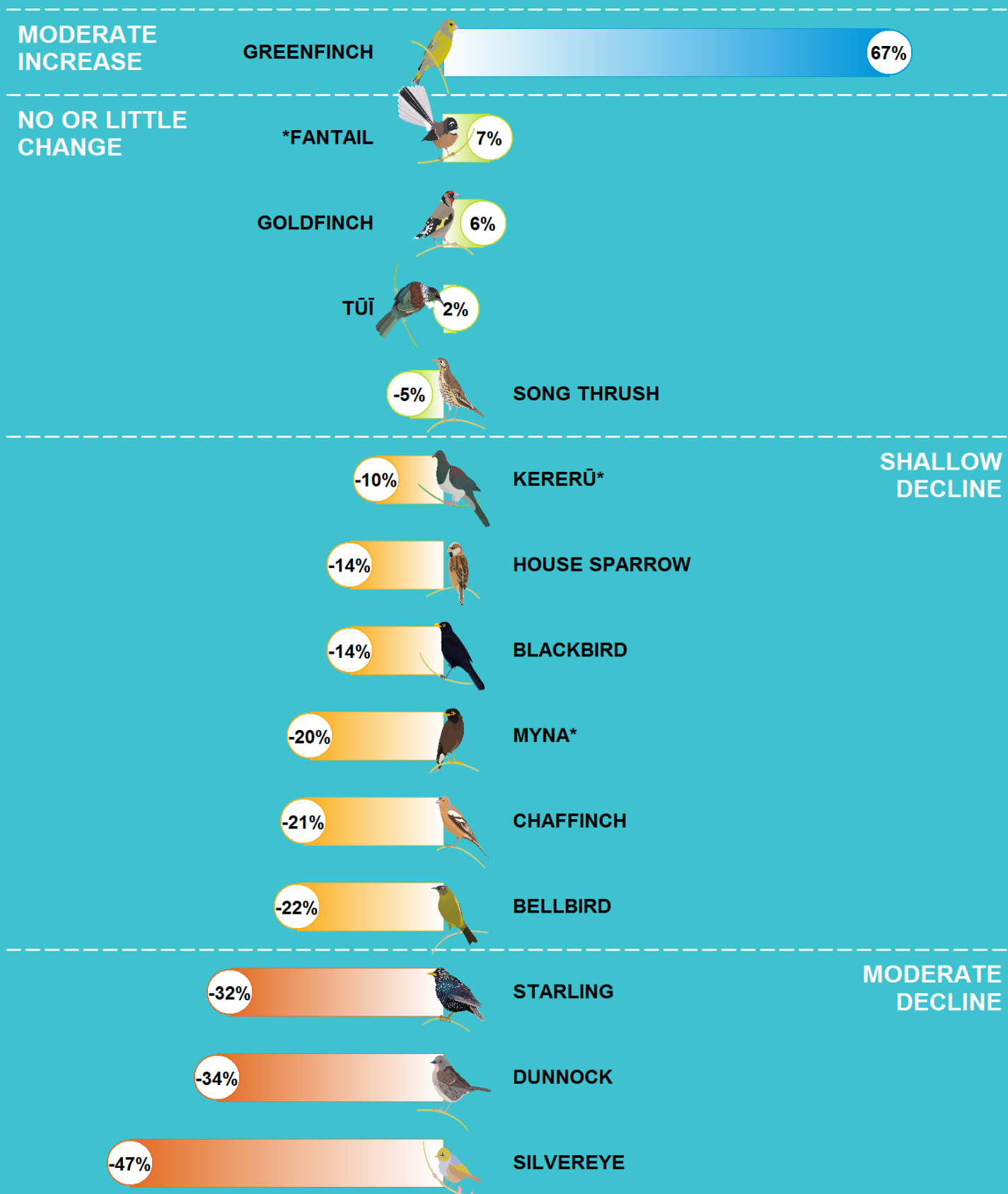


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Research

How have bird counts changed?

MANAWATU-WANGANUI REGION | 2007-2017

Levin

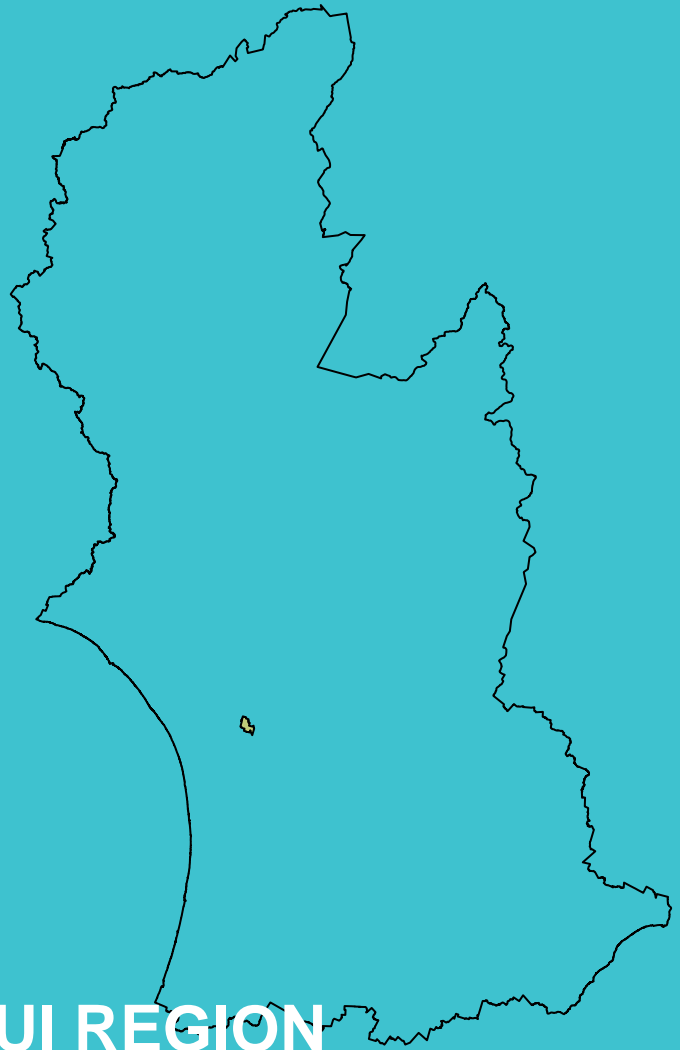


Data source: 31,679 garden surveys nationwide between 2007 and 2017.
This includes 137 garden surveys in this specific area.

* Based on available data, evidence for these species' estimates is weak.



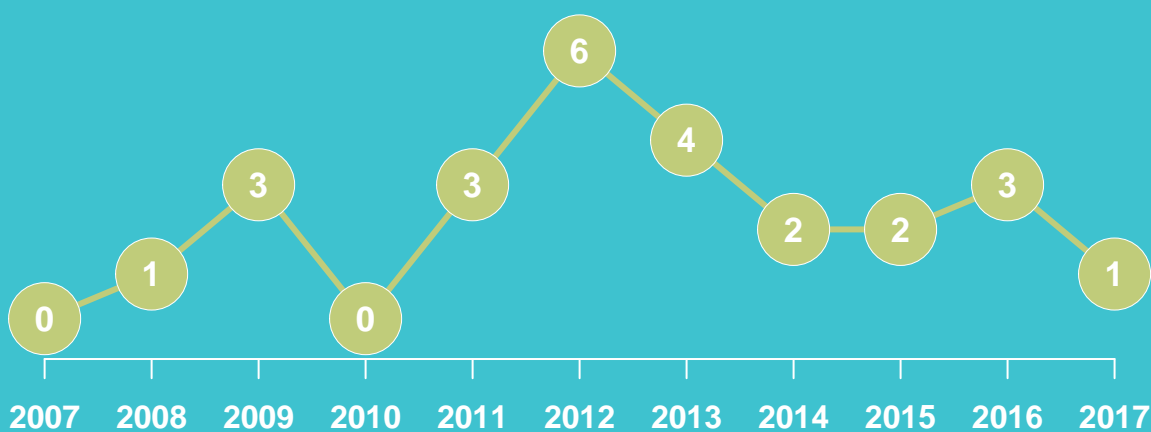
New Zealand
**GARDEN
BIRD
SURVEY**



MANAWATU-WANGANUI REGION

MARTON

NUMBER OF SURVEYED GARDENS

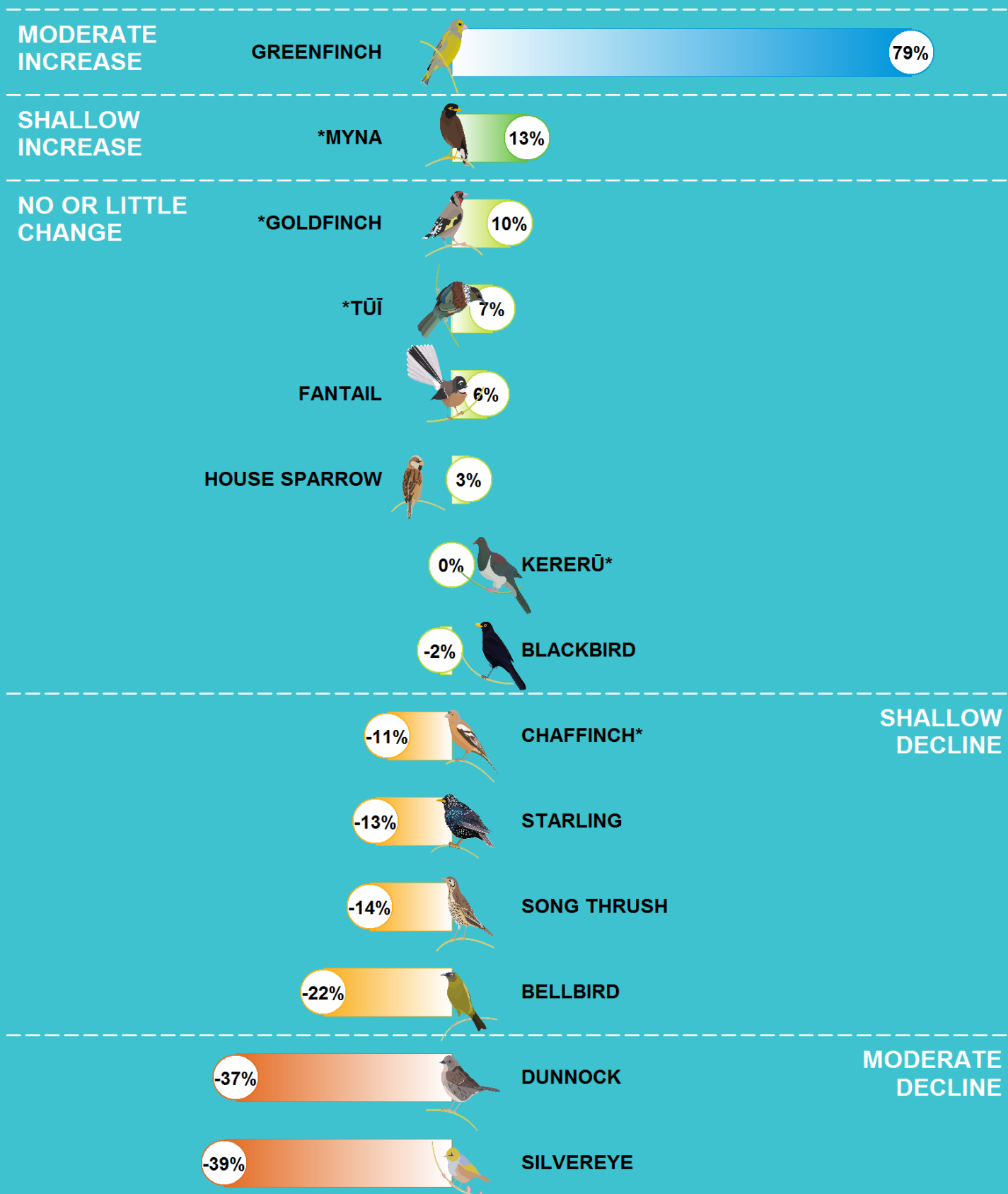


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Landcare
Research

How have bird counts changed?

MANAWATU-WANGANUI REGION | 2007-2017

Marton

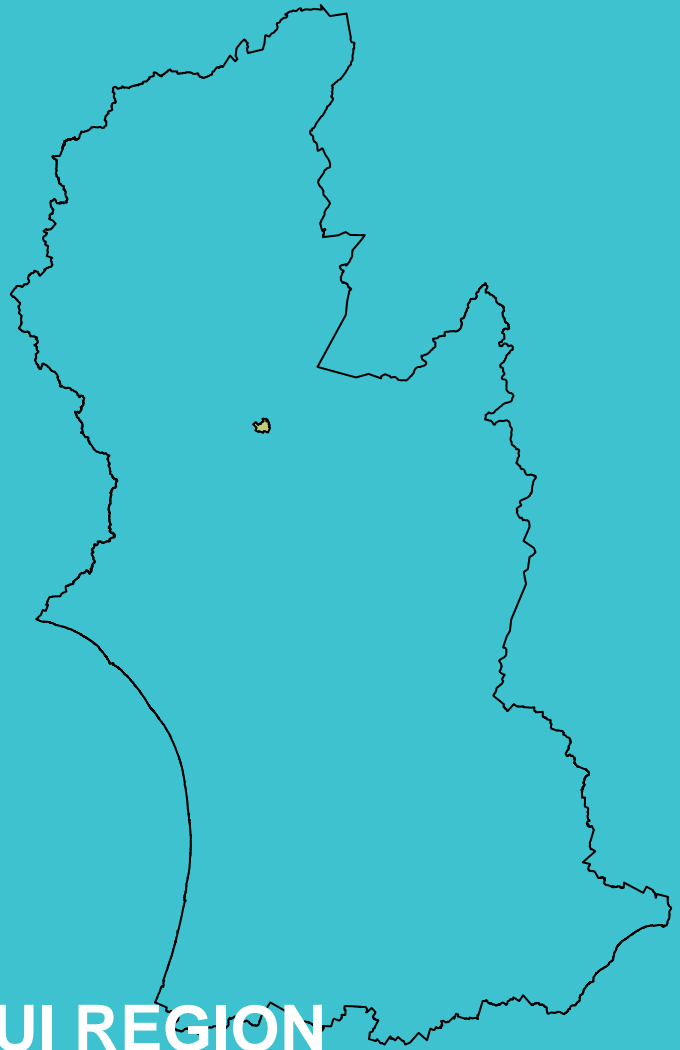


Data source: 31,679 garden surveys nationwide between 2007 and 2017.
This includes 25 garden surveys in this specific area.

* Based on available data, evidence for these species' estimates is weak.



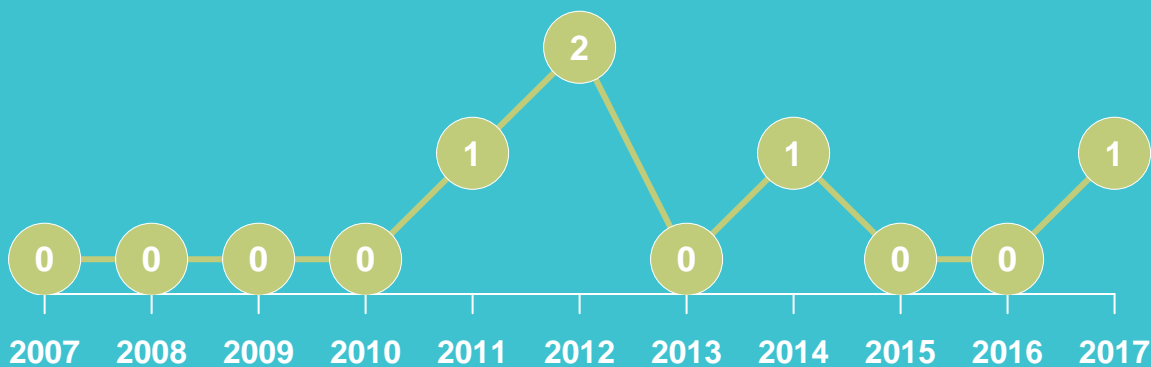
New Zealand
**GARDEN
BIRD
SURVEY**



MANAWATU-WANGANUI REGION

OHAKUNE

NUMBER OF SURVEYED GARDENS

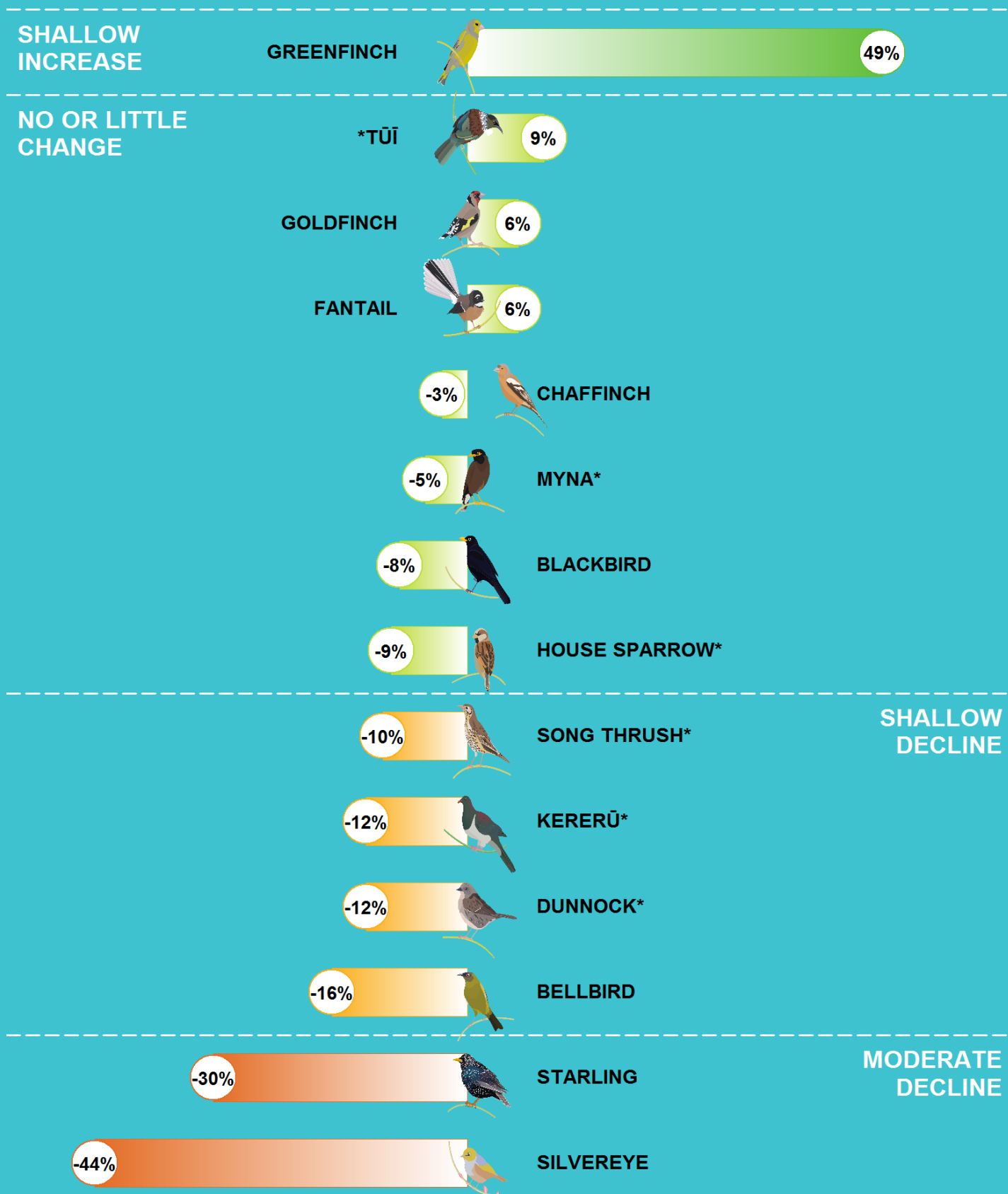


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Landcare
Research

How have bird counts changed?

MANAWATU-WANGANUI REGION | 2007-2017

Ohakune



Data source: 31,679 garden surveys nationwide between 2007 and 2017.
This includes 5 garden surveys in this specific area.

* Based on available data, evidence for these species' estimates is weak.



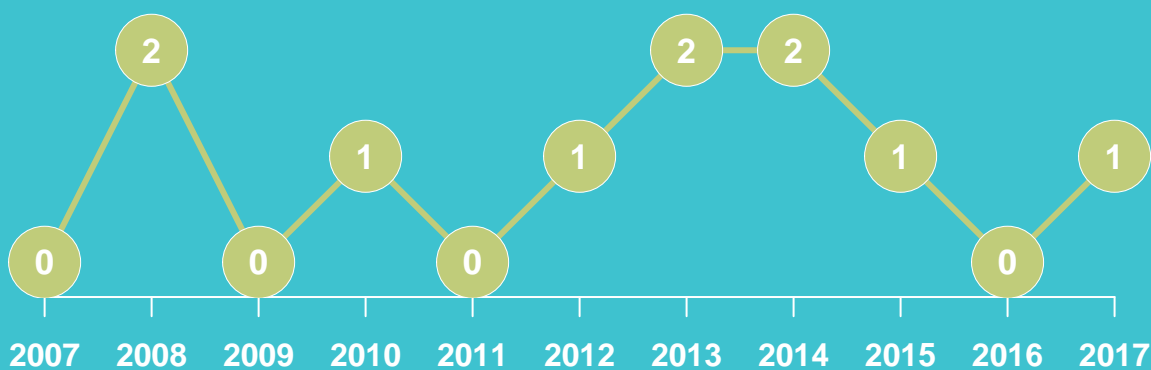
New Zealand
**GARDEN
BIRD
SURVEY**



MANAWATU-WANGANUI REGION

PAHIATUA

NUMBER OF SURVEYED GARDENS

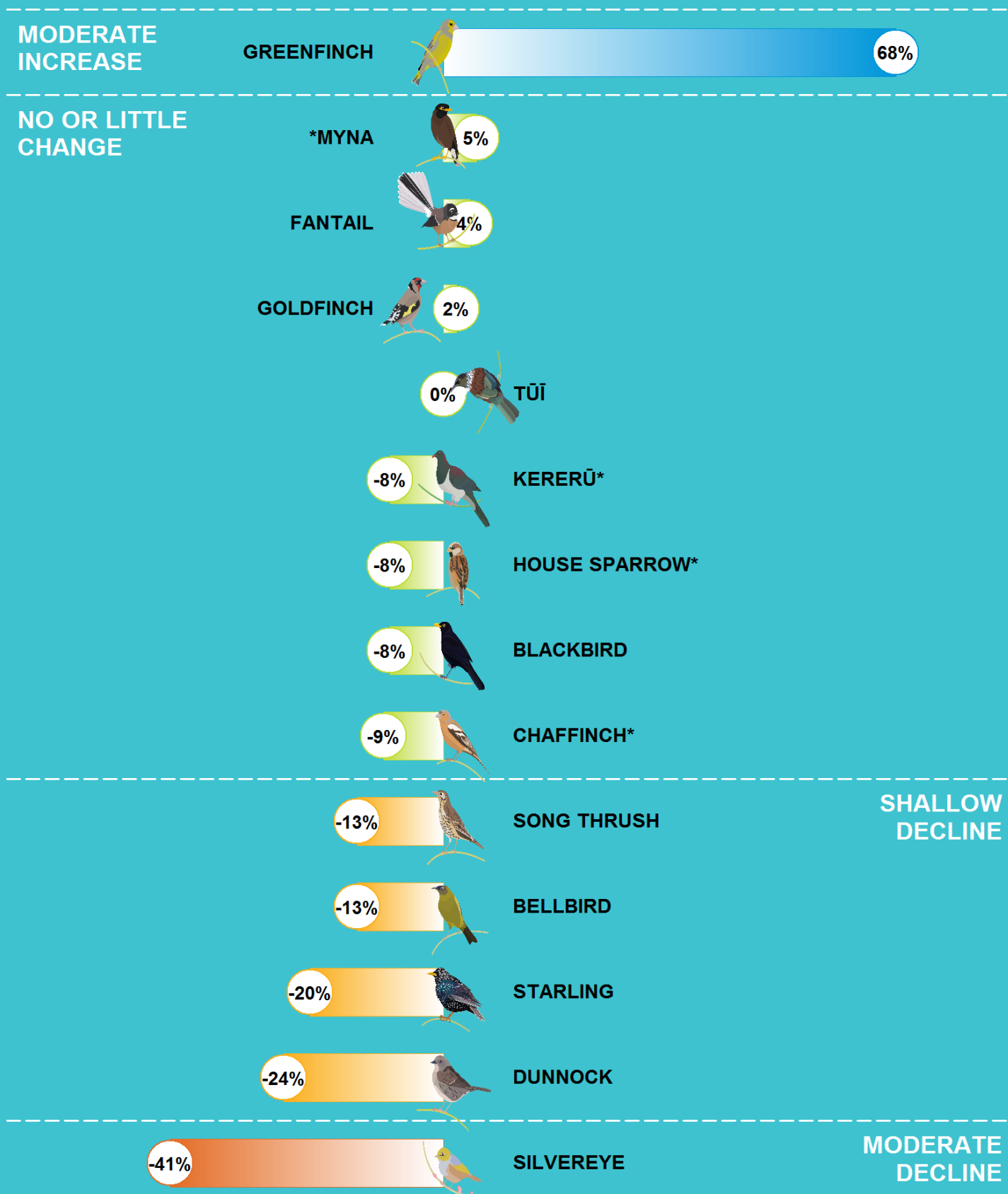


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Research

How have bird counts changed?

MANAWATU-WANGANUI REGION | 2007-2017

Pahiatua

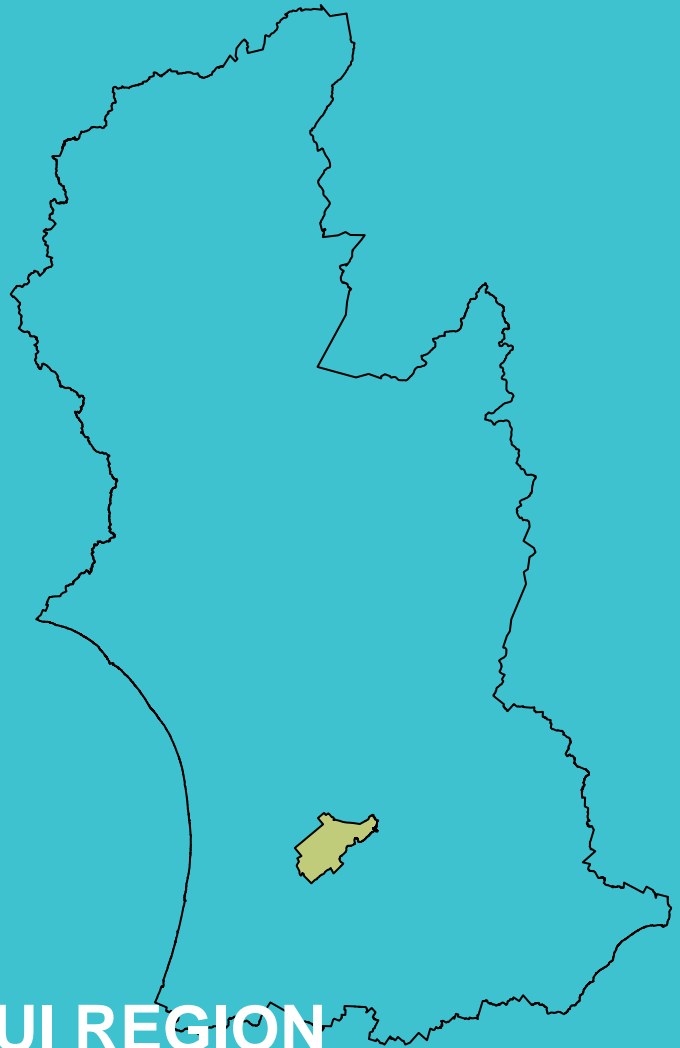


Data source: 31,679 garden surveys nationwide between 2007 and 2017.
This includes 10 garden surveys in this specific area.

* Based on available data, evidence for these species' estimates is weak.



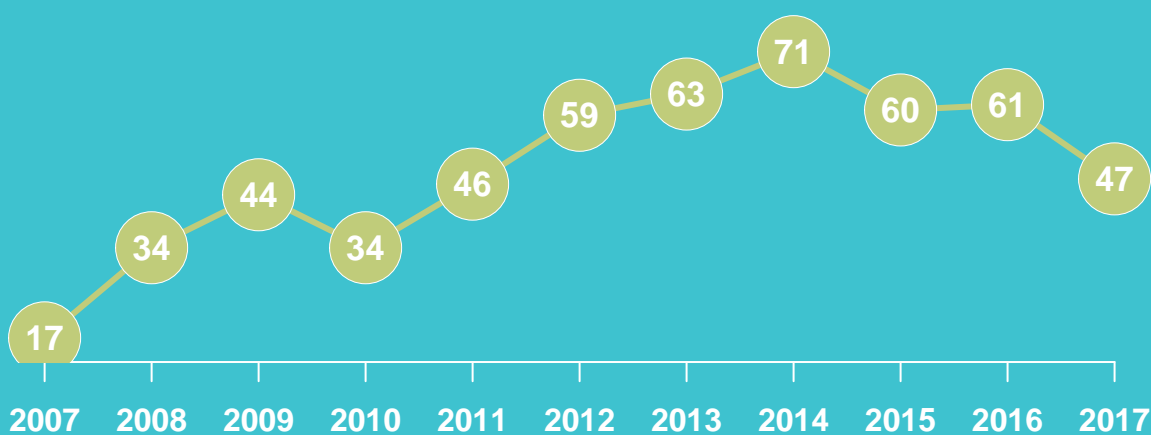
New Zealand
**GARDEN
BIRD
SURVEY**



MANAWATU-WANGANUI REGION

PALMERSTON NORTH

NUMBER OF SURVEYED GARDENS

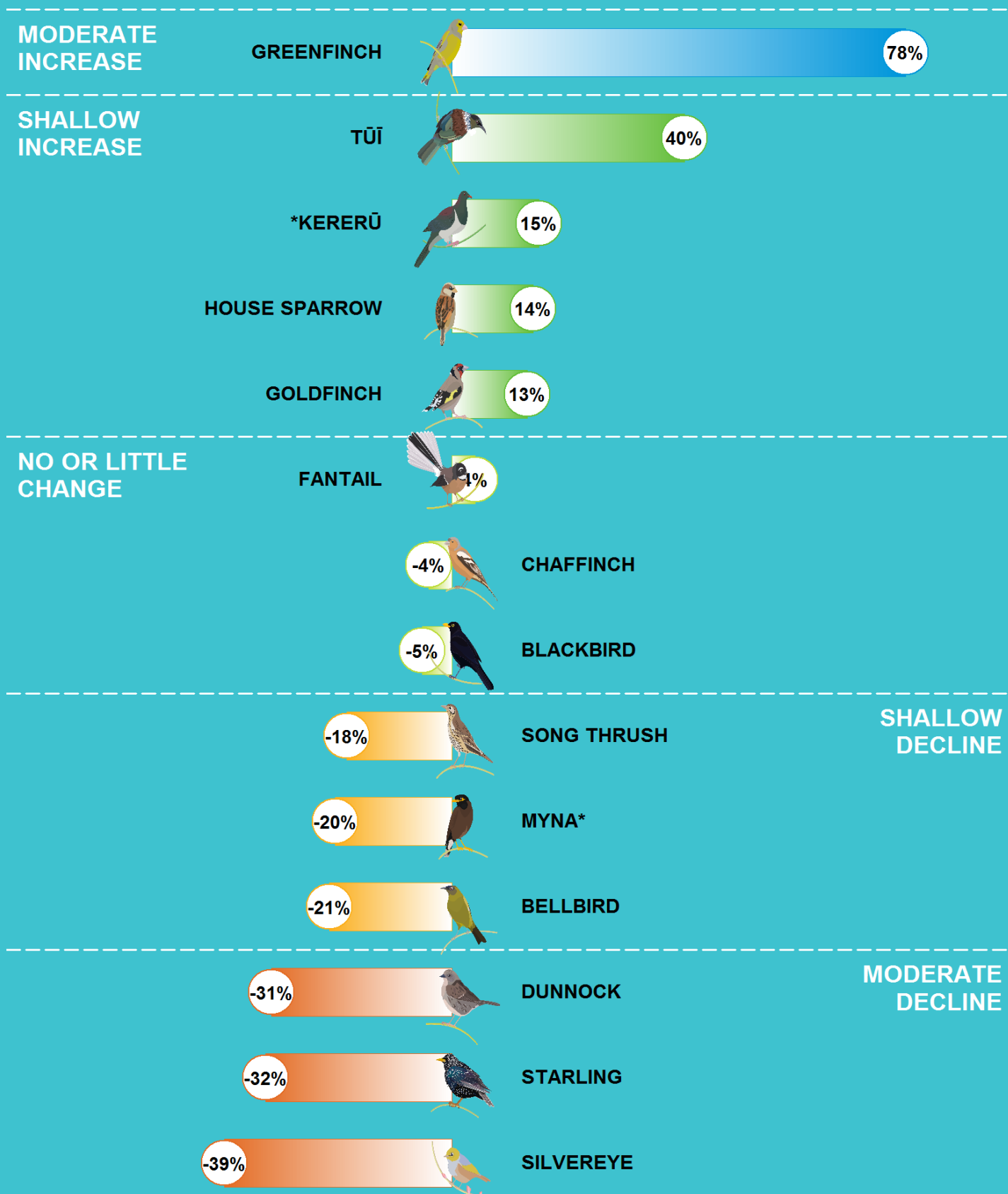


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Research

How have bird counts changed?

MANAWATU-WANGANUI REGION | 2007-2017

Palmerston North

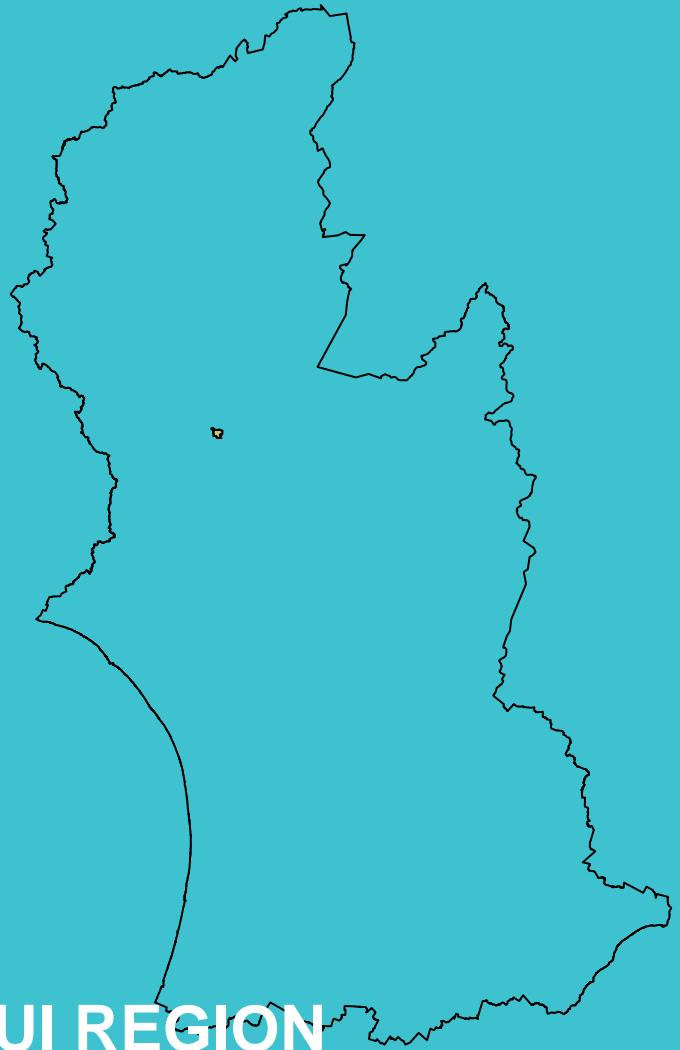


Data source: 31,679 garden surveys nationwide between 2007 and 2017.
This includes 536 garden surveys in this specific area.

* Based on available data, evidence for these species' estimates is weak.



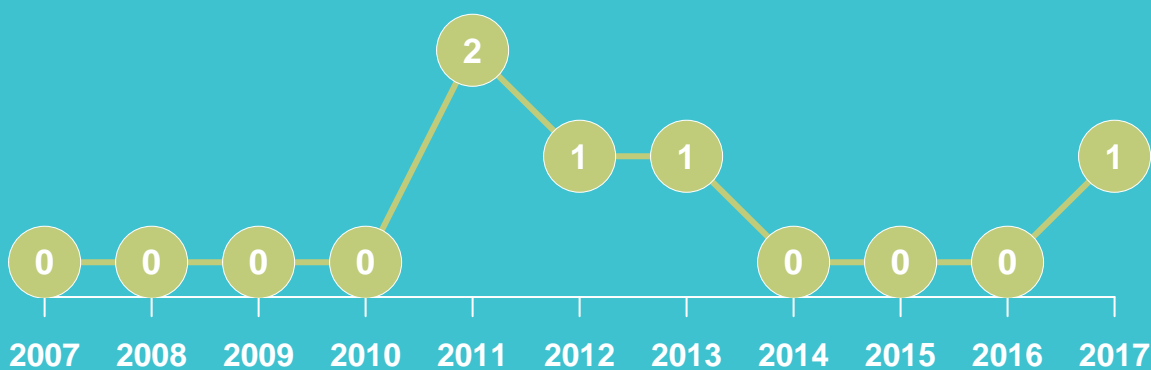
New Zealand
**GARDEN
BIRD
SURVEY**



MANAWATU-WANGANUI REGION

RAETIHI

NUMBER OF SURVEYED GARDENS

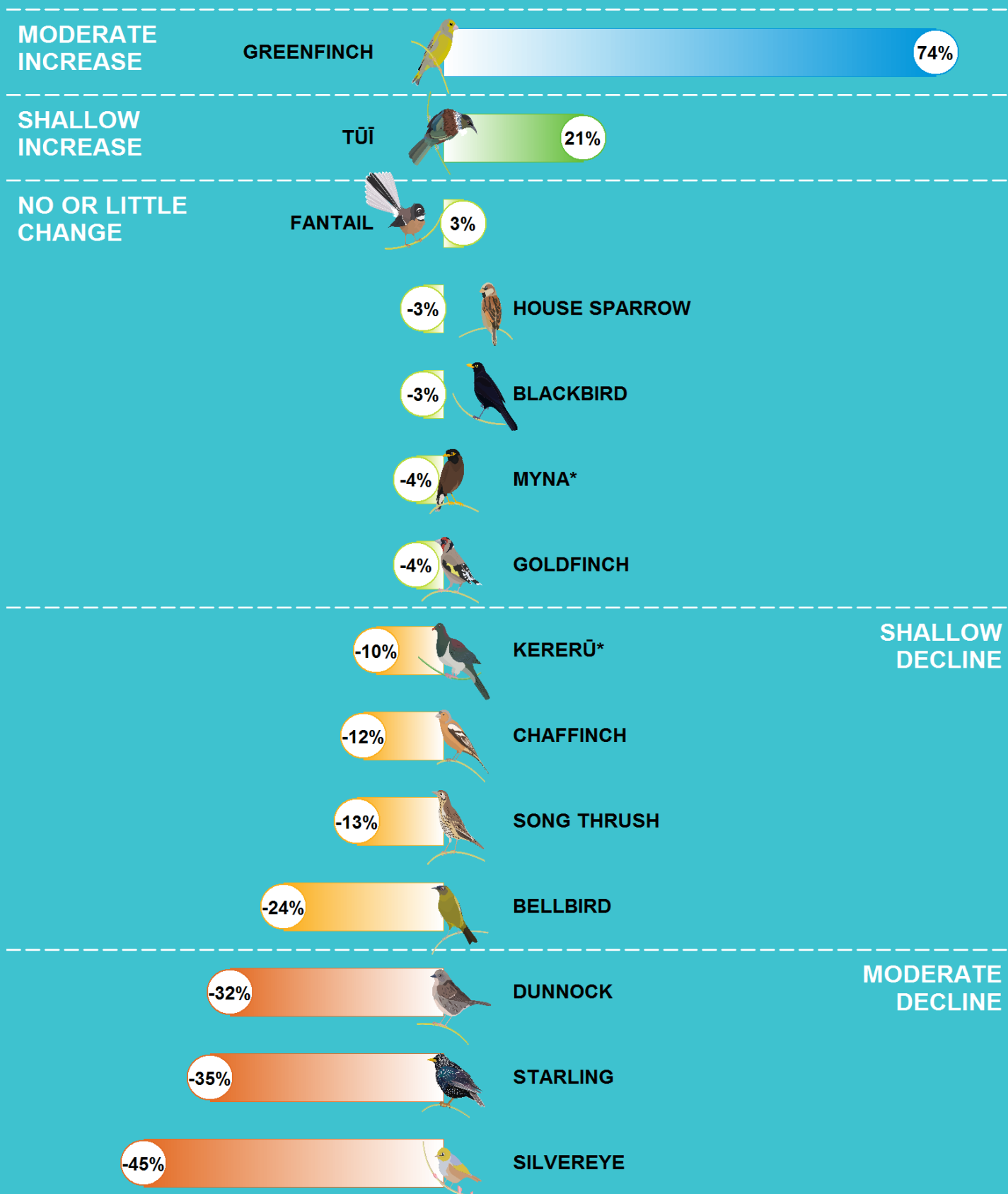


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How have bird counts changed?

MANAWATU-WANGANUI REGION | 2007-2017

Raetihi

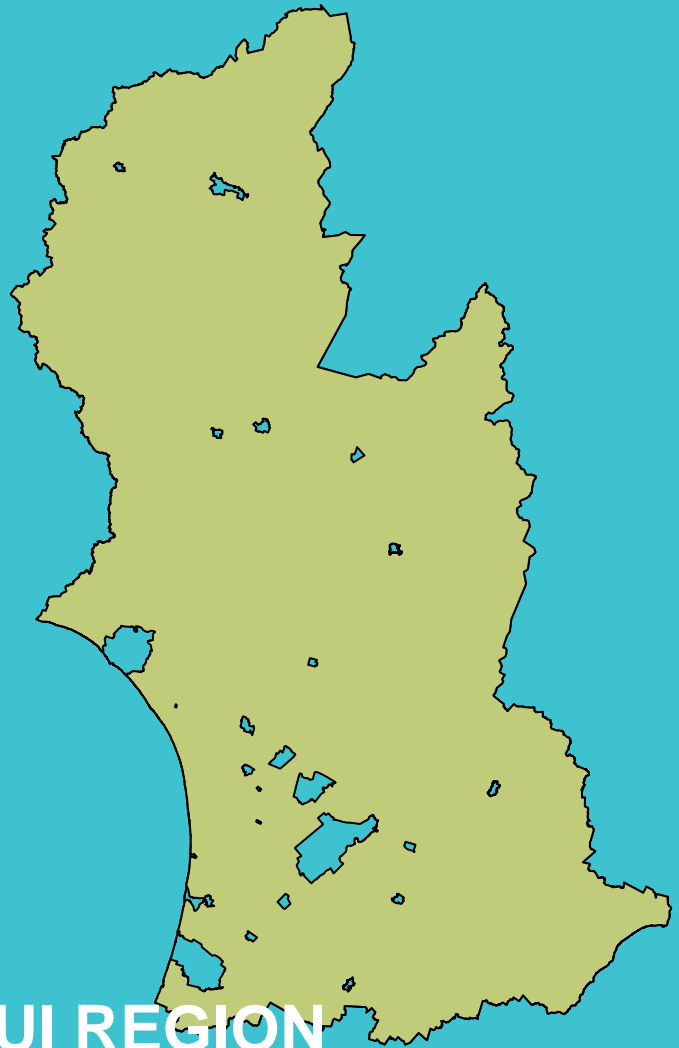


Data source: 31,679 garden surveys nationwide between 2007 and 2017.
This includes 5 garden surveys in this specific area.

* Based on available data, evidence for these species' estimates is weak.

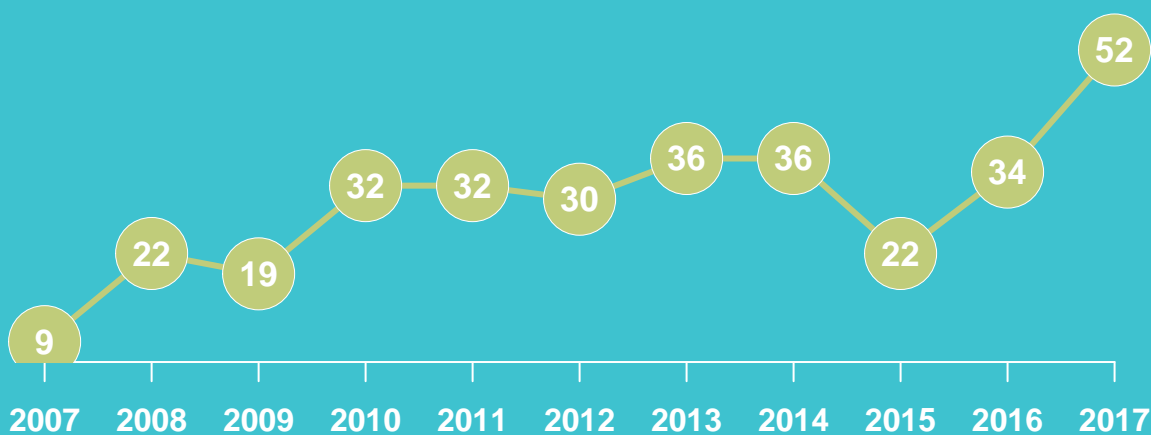


New Zealand
**GARDEN
BIRD
SURVEY**



MANAWATU-WANGANUI REGION RURAL (INCL.SOME OFF SHORE ISLANDS)

NUMBER OF SURVEYED GARDENS

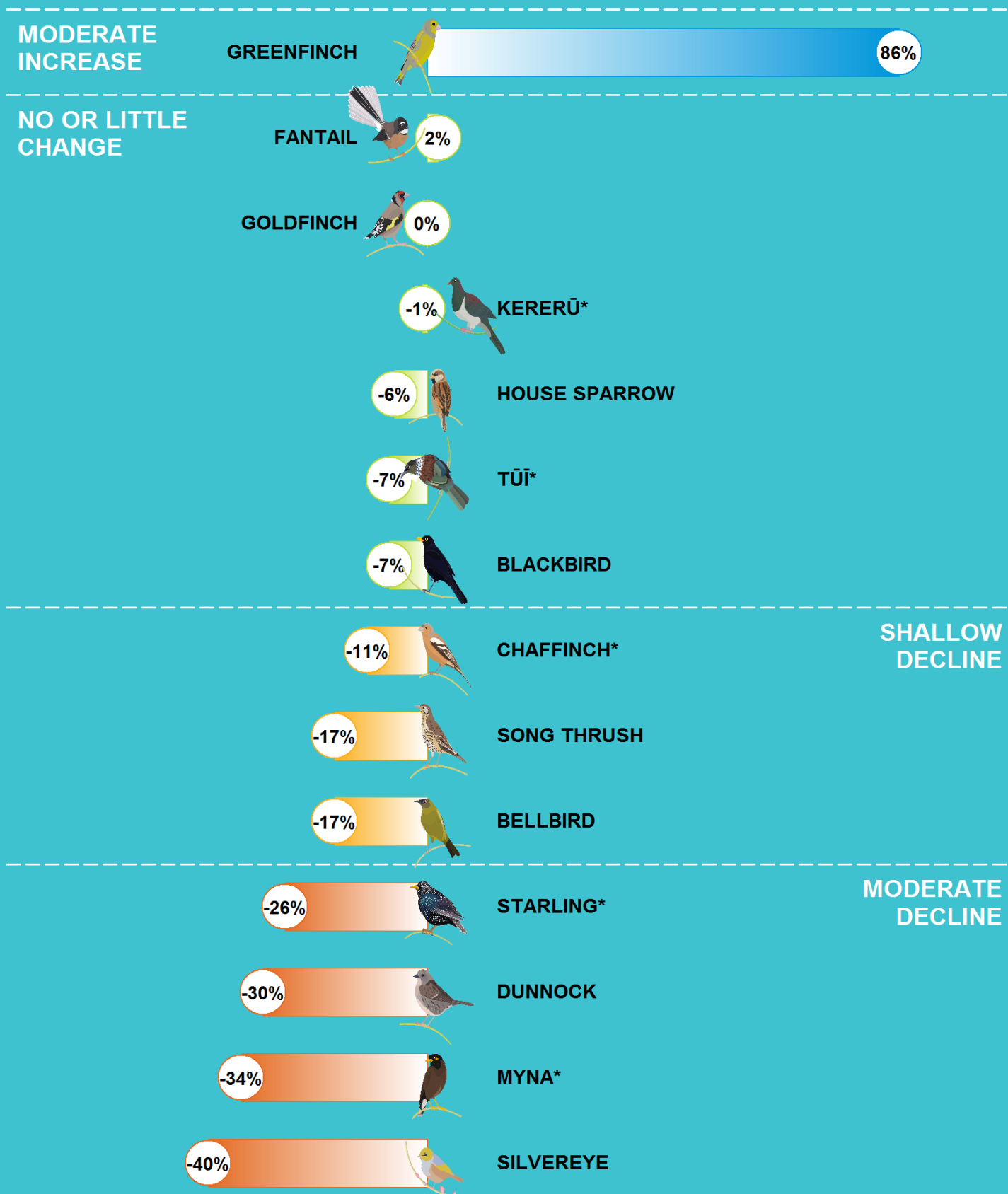


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Landcare
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How have bird counts changed?

MANAWATU-WANGANUI REGION | 2007-2017

Rural (Incl.some Off Shore Islands)

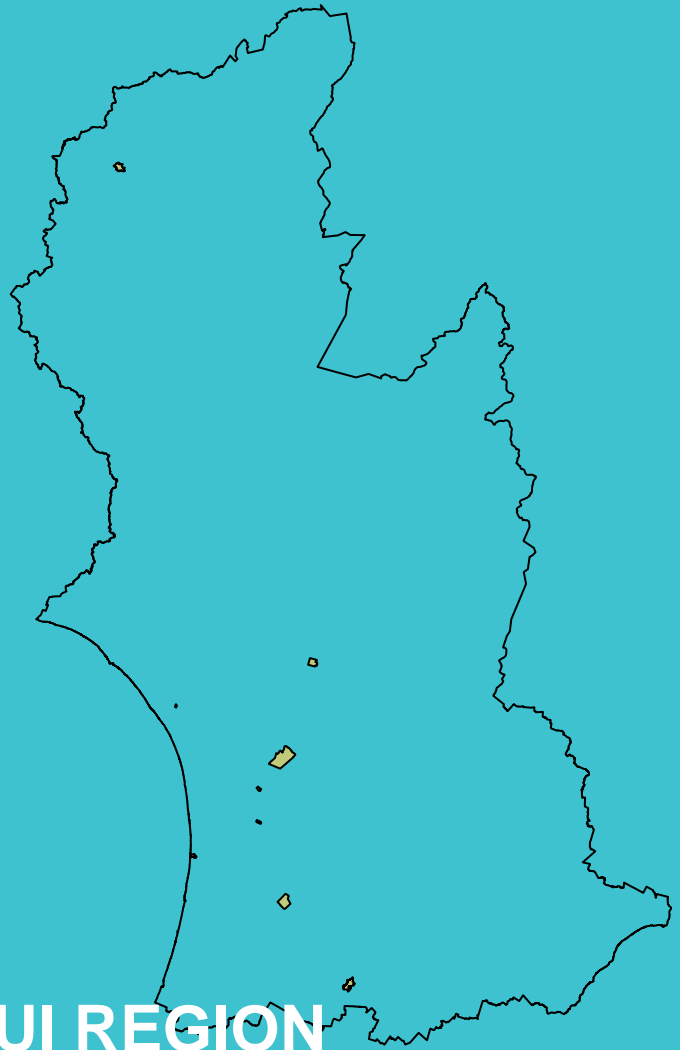


Data source: 31,679 garden surveys nationwide between 2007 and 2017.
This includes 324 garden surveys in this specific area.

* Based on available data, evidence for these species' estimates is weak.



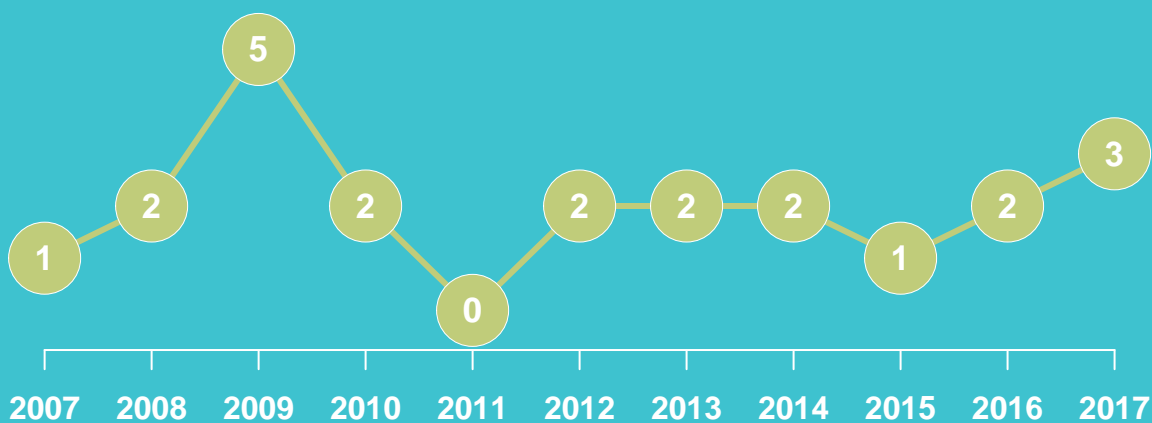
New Zealand
**GARDEN
BIRD
SURVEY**



MANAWATU-WANGANUI REGION

RURAL CENTRE

NUMBER OF SURVEYED GARDENS

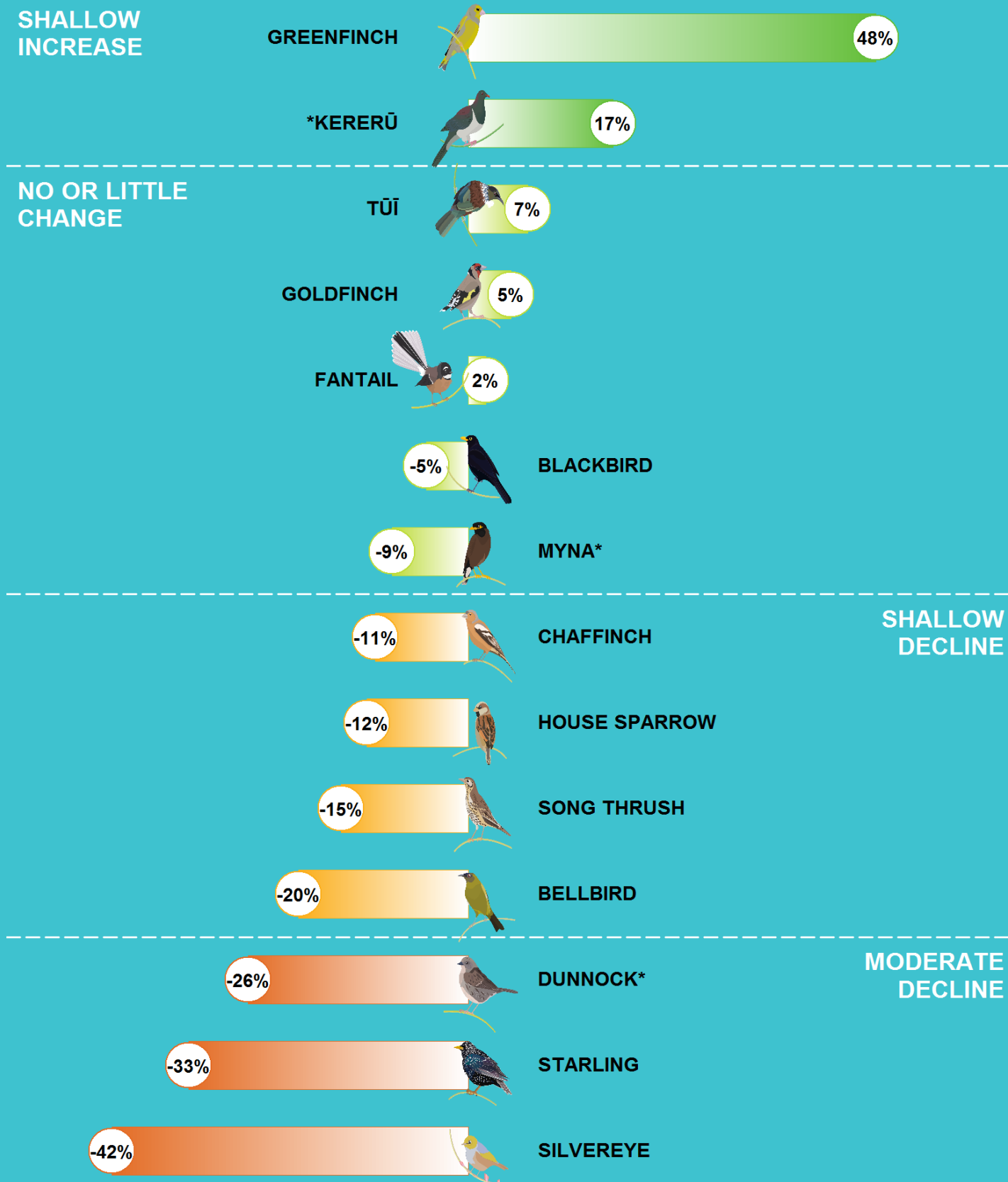


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How have bird counts changed?

MANAWATU-WANGANUI REGION | 2007-2017

Rural Centre



Data source: 31,679 garden surveys nationwide between 2007 and 2017.
This includes 22 garden surveys in this specific area.

* Based on available data, evidence for these species' estimates is weak.



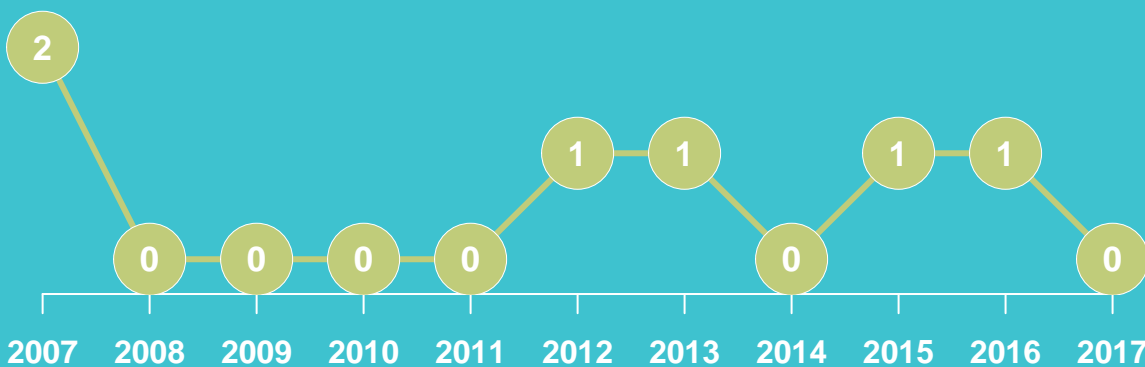
New Zealand
**GARDEN
BIRD
SURVEY**



MANAWATU-WANGANUI REGION

SHANNON

NUMBER OF SURVEYED GARDENS

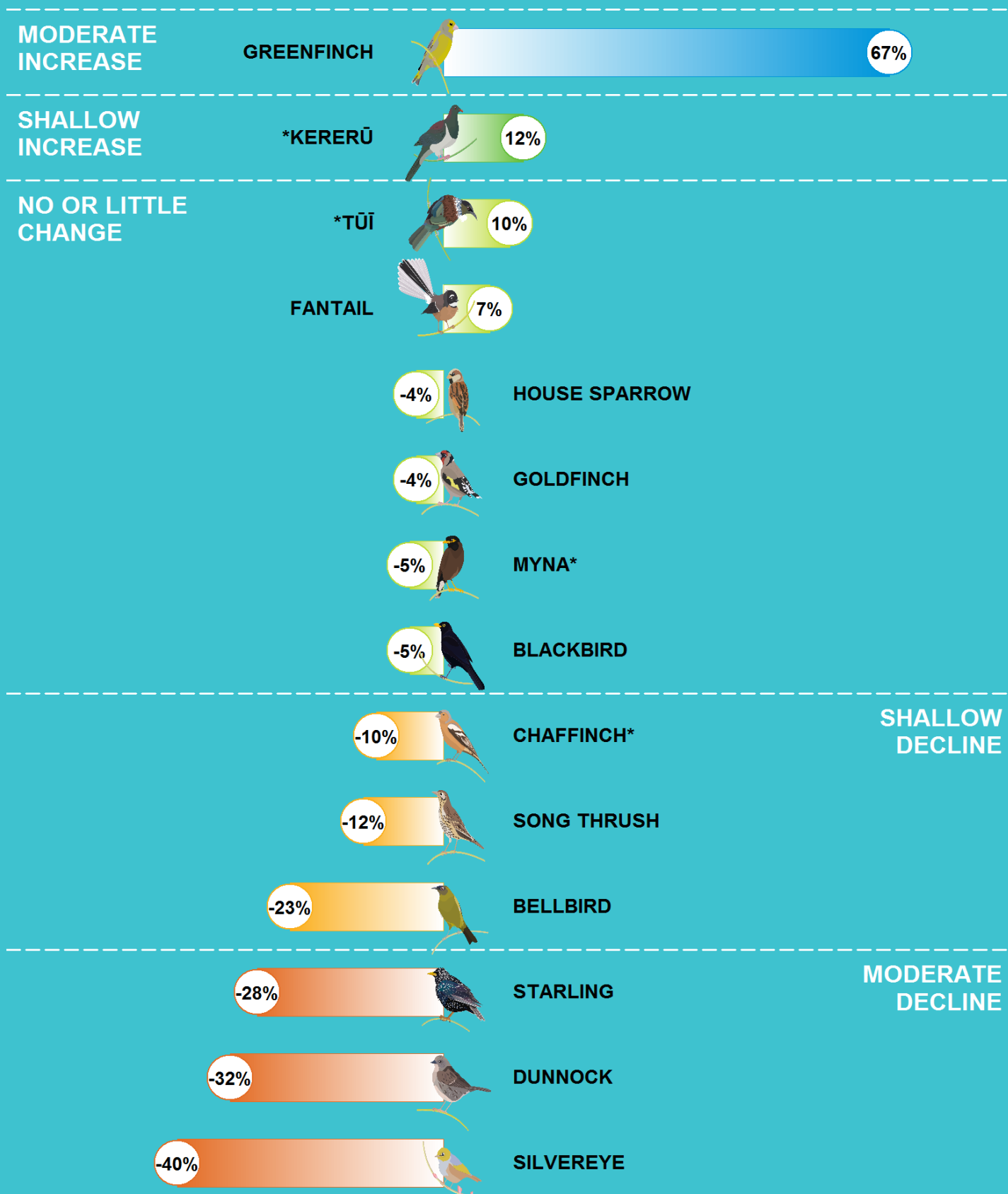


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How have bird counts changed?

MANAWATU-WANGANUI REGION | 2007-2017

Shannon

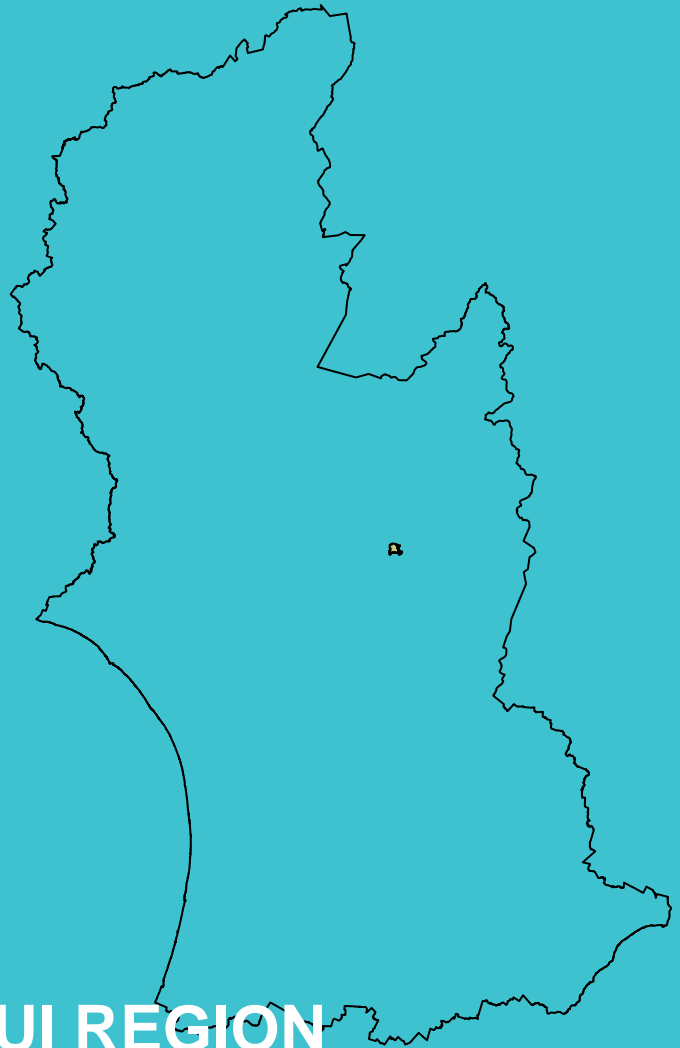


Data source: 31,679 garden surveys nationwide between 2007 and 2017.
This includes 6 garden surveys in this specific area.

* Based on available data, evidence for these species' estimates is weak.



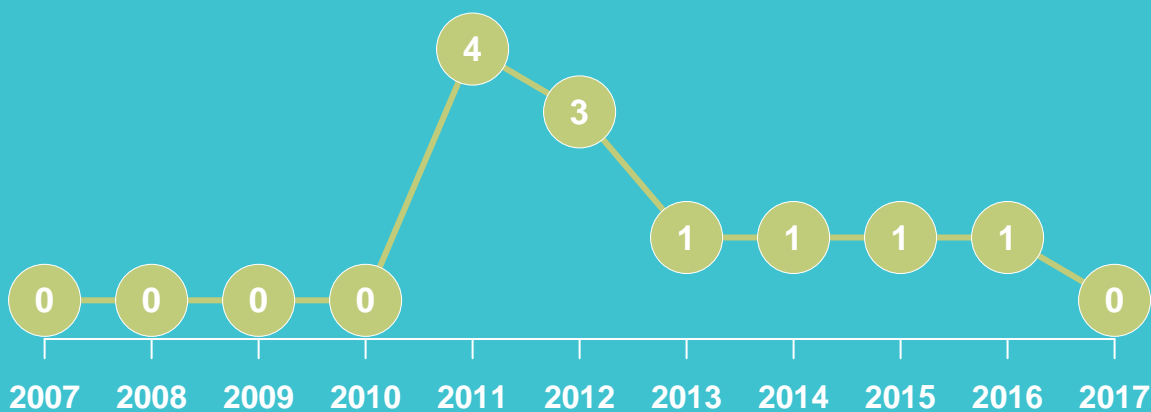
New Zealand
**GARDEN
BIRD
SURVEY**



MANAWATU-WANGANUI REGION

TAIHAPE

NUMBER OF SURVEYED GARDENS

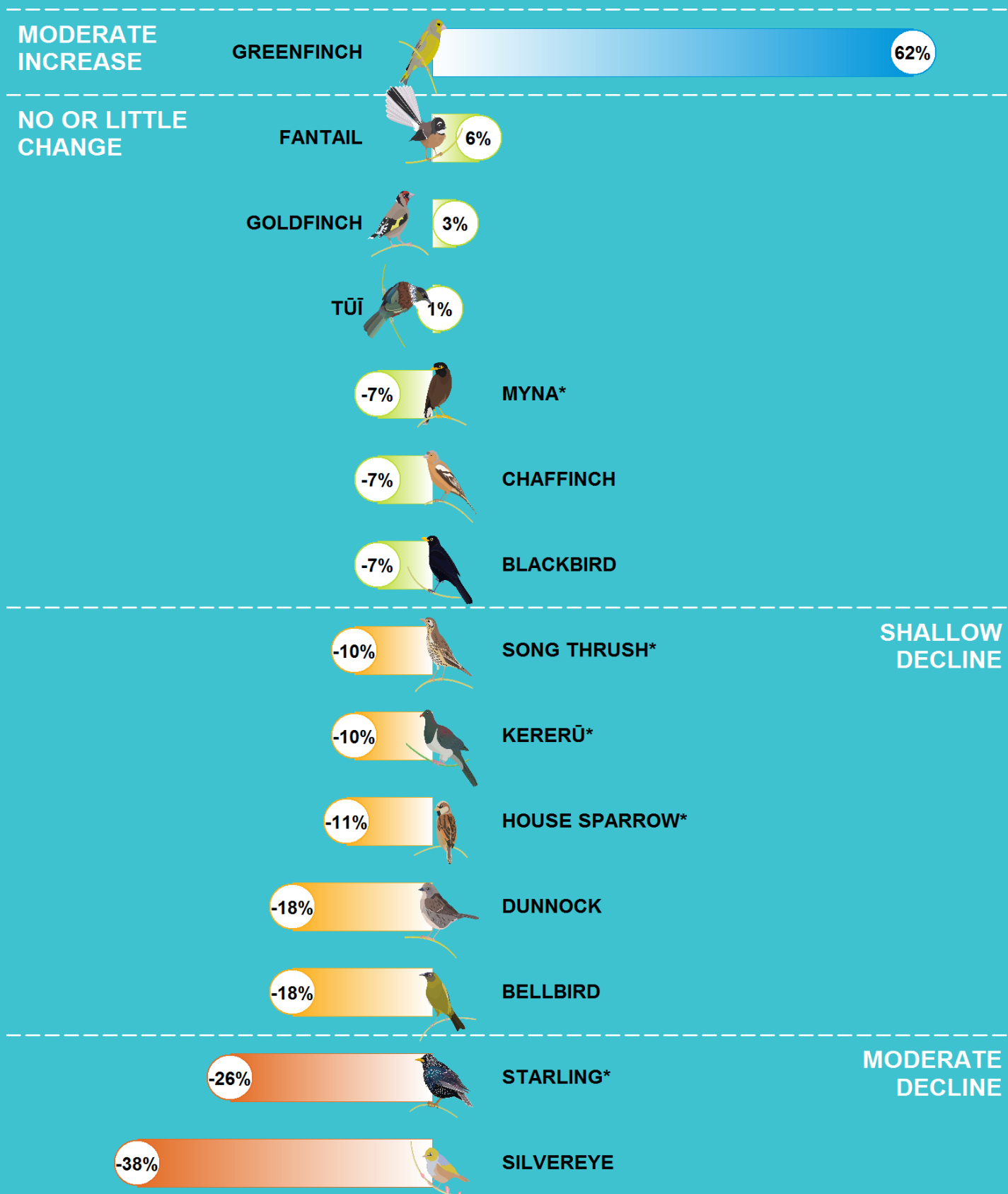


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How have bird counts changed?

MANAWATU-WANGANUI REGION | 2007-2017

Taihape

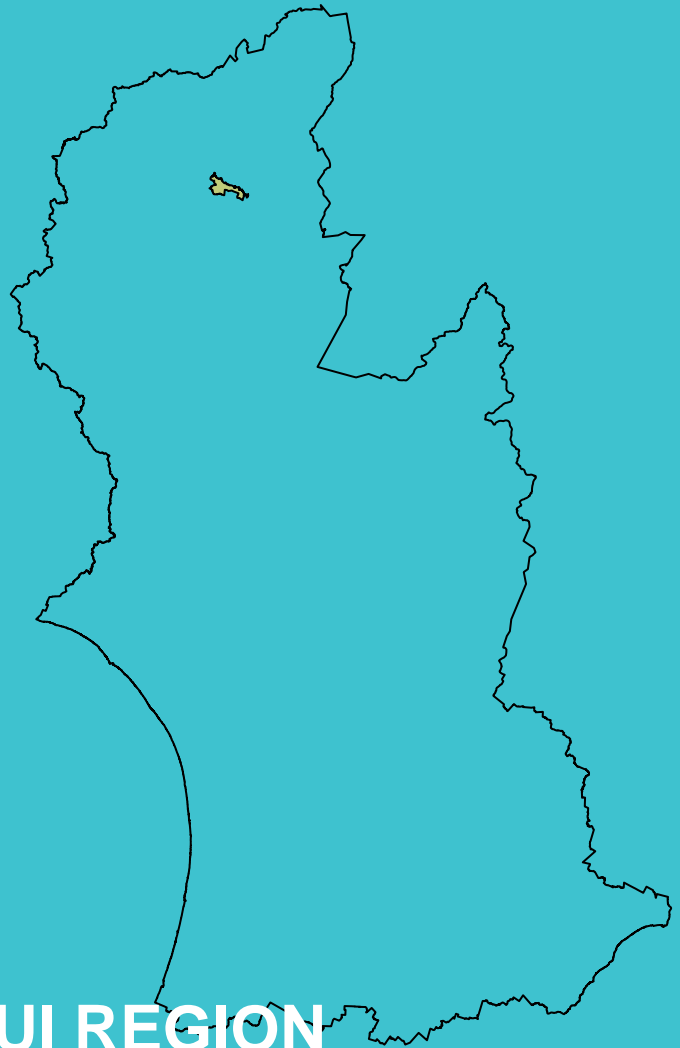


Data source: 31,679 garden surveys nationwide between 2007 and 2017.
This includes 11 garden surveys in this specific area.

* Based on available data, evidence for these species' estimates is weak.



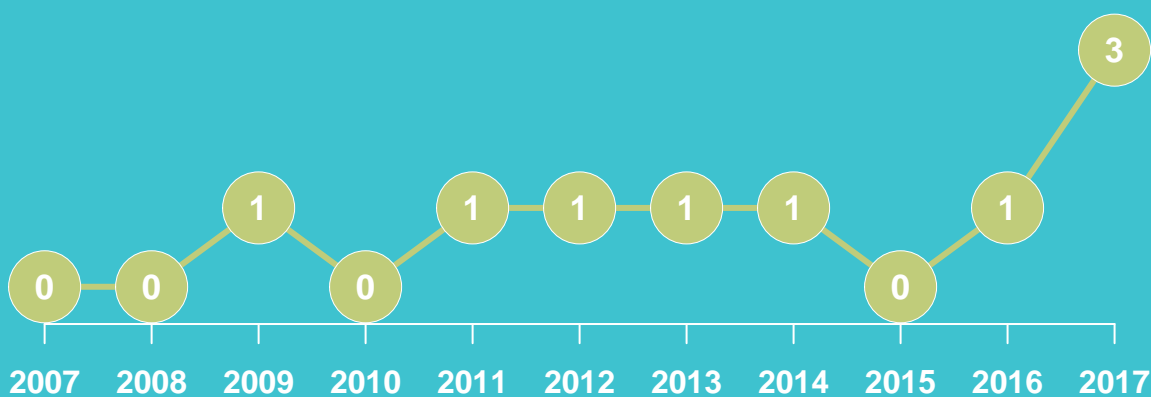
New Zealand
**GARDEN
BIRD
SURVEY**



MANAWATU-WANGANUI REGION

TAUMARUNUI

NUMBER OF SURVEYED GARDENS

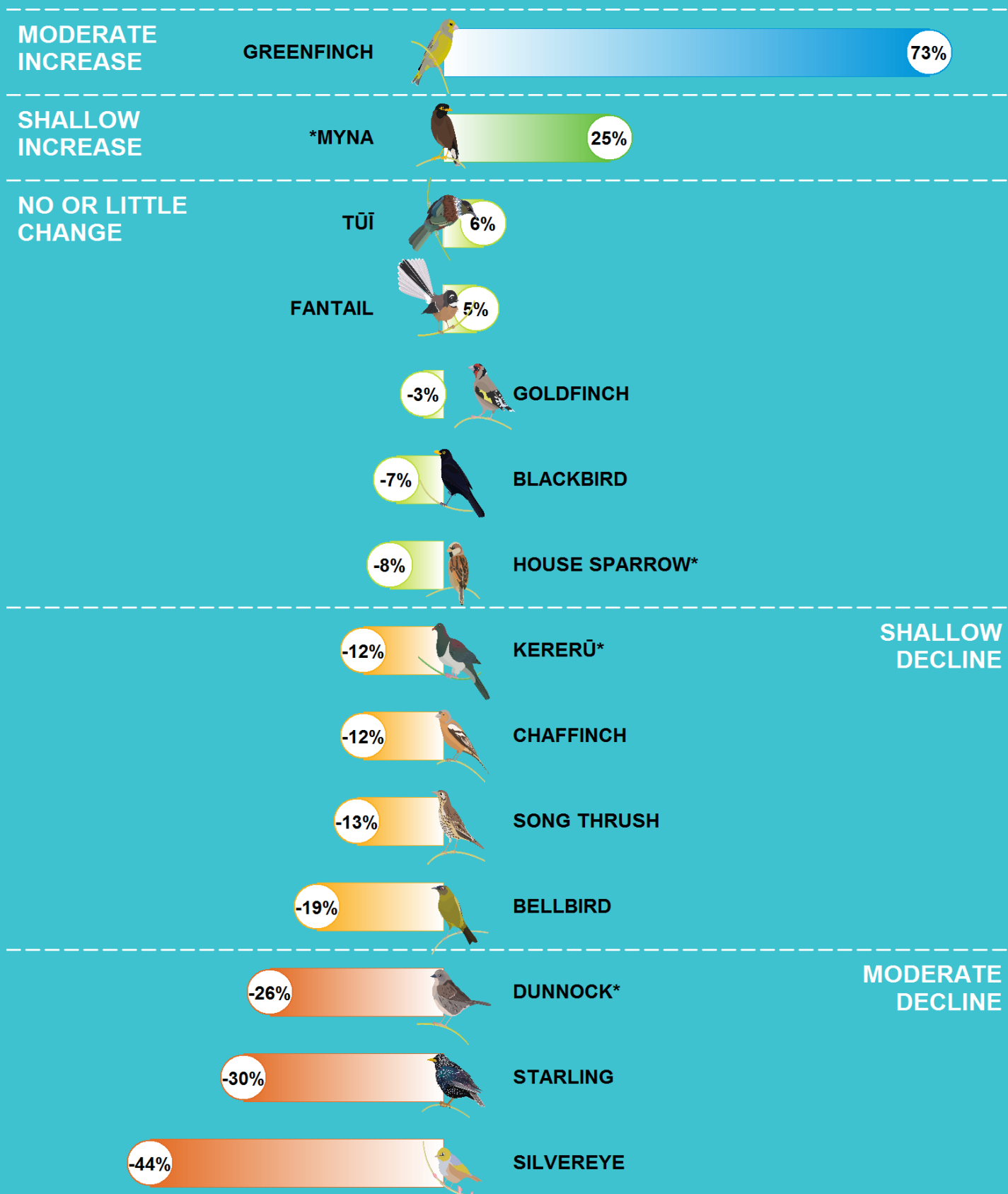


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How have bird counts changed?

MANAWATU-WANGANUI REGION | 2007-2017

Taumarunui

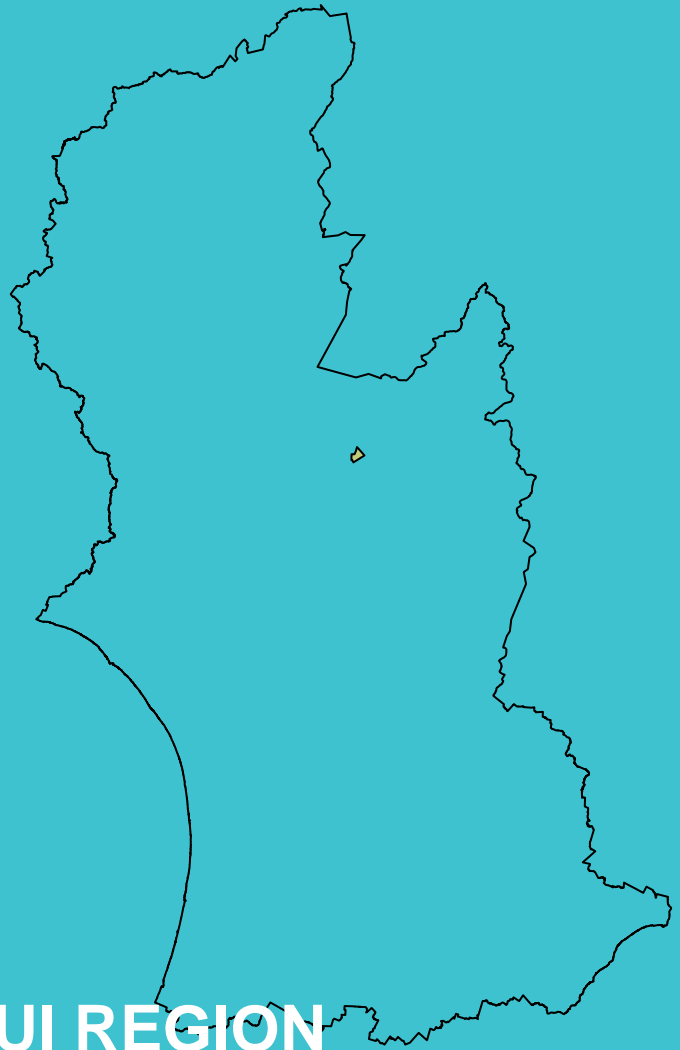


Data source: 31,679 garden surveys nationwide between 2007 and 2017.
This includes 9 garden surveys in this specific area.

* Based on available data, evidence for these species' estimates is weak.



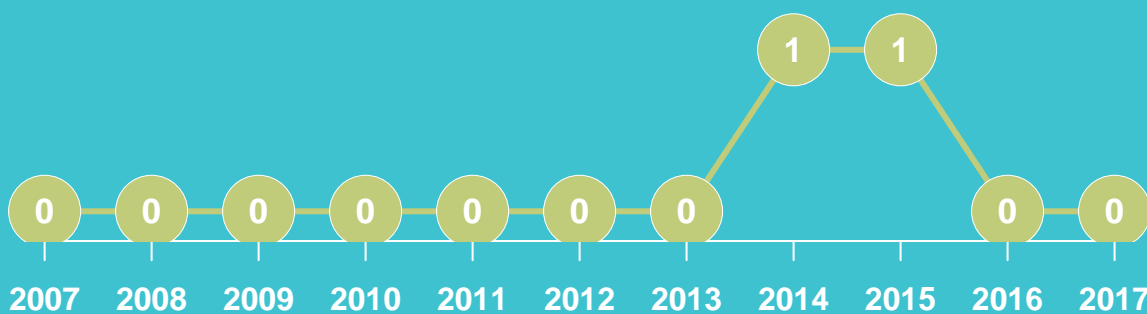
New Zealand
**GARDEN
BIRD
SURVEY**



MANAWATU-WANGANUI REGION

WAIOURU

NUMBER OF SURVEYED GARDENS

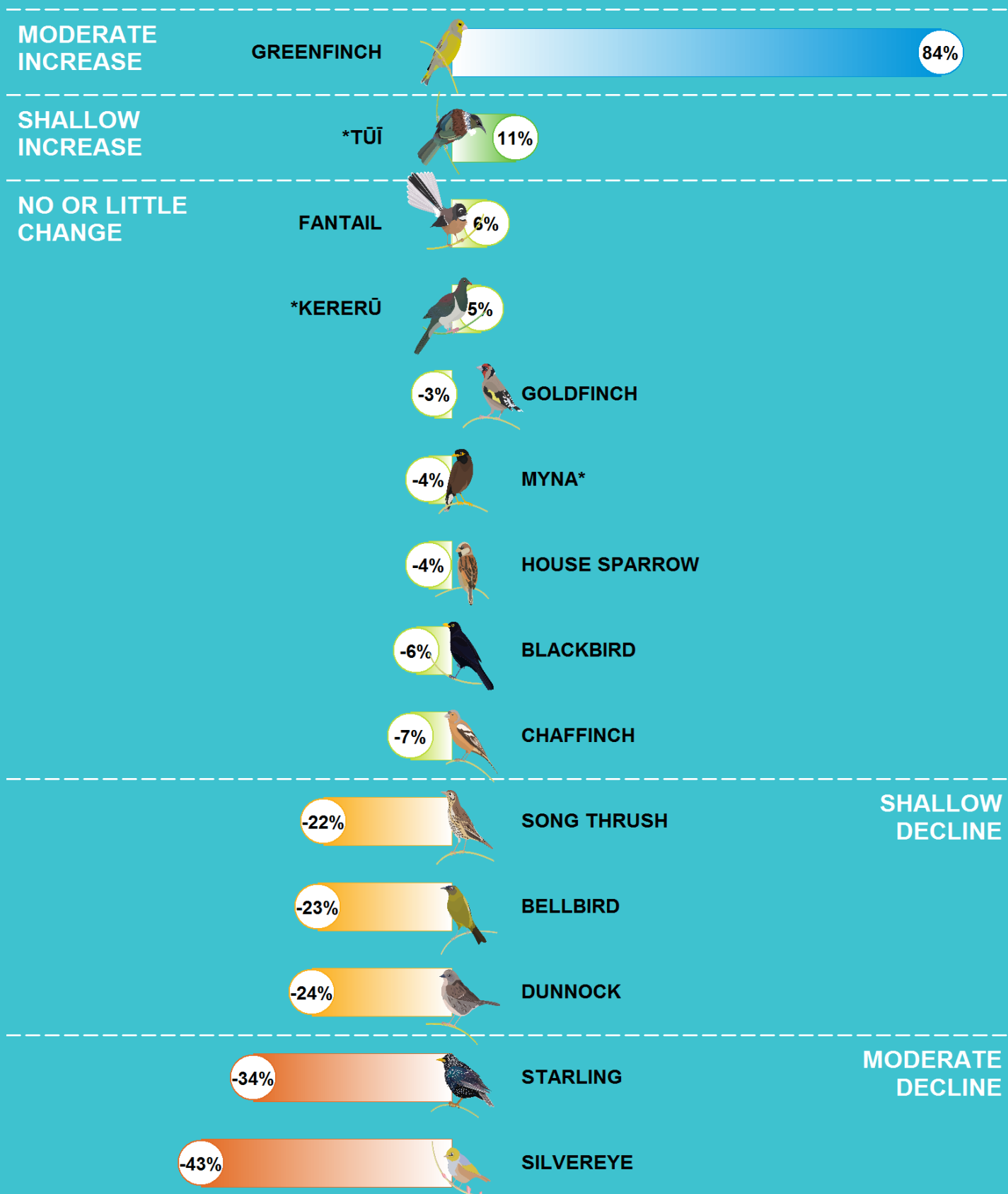


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How have bird counts changed?

MANAWATU-WANGANUI REGION | 2007-2017

Waiouru

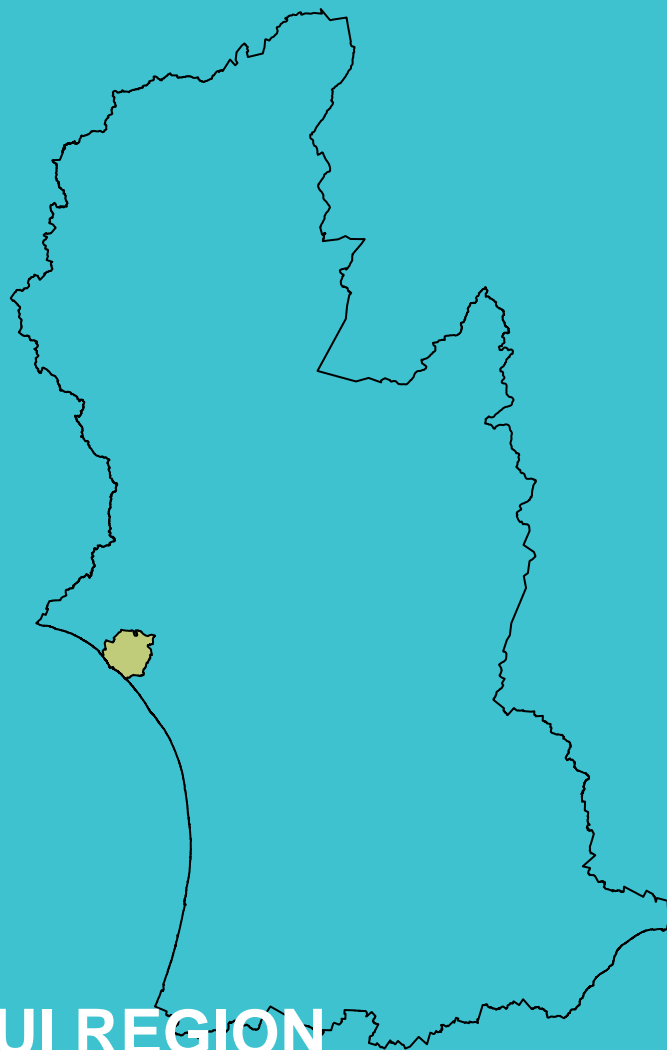


Data source: 31,679 garden surveys nationwide between 2007 and 2017.
This includes 2 garden surveys in this specific area.

* Based on available data, evidence for these species' estimates is weak.



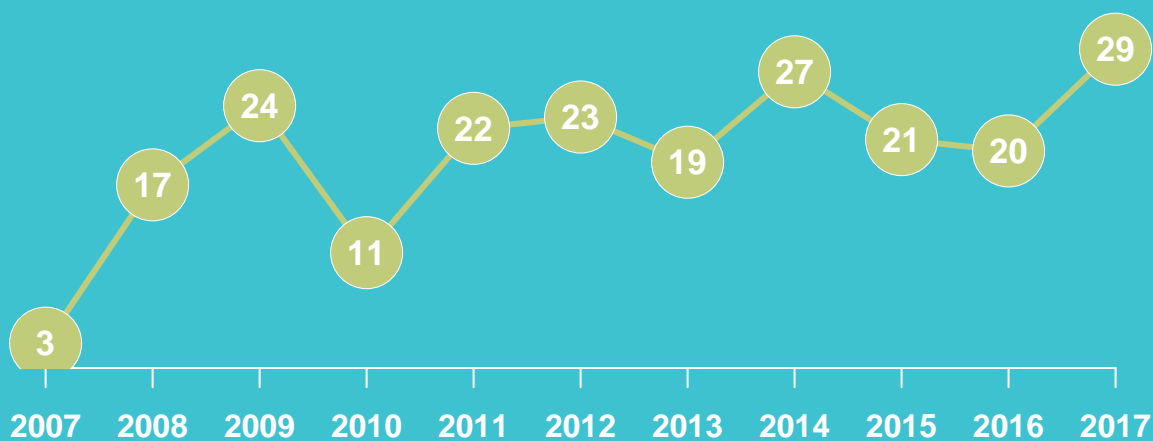
New Zealand
**GARDEN
BIRD
SURVEY**



MANAWATU-WANGANUI REGION

WANGANUI

NUMBER OF SURVEYED GARDENS

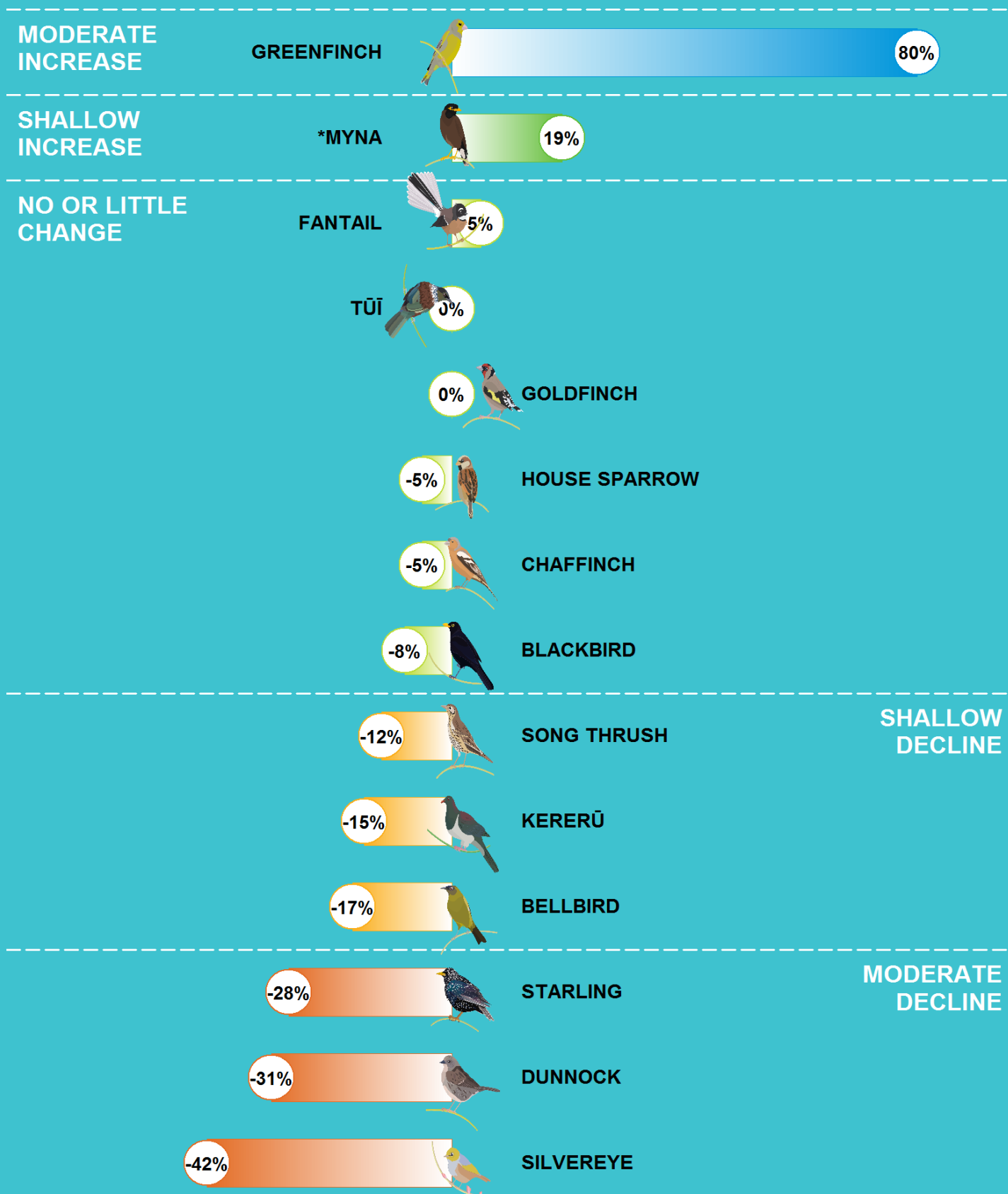


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Landcare
Research

How have bird counts changed?

MANAWATU-WANGANUI REGION | 2007-2017

Wanganui

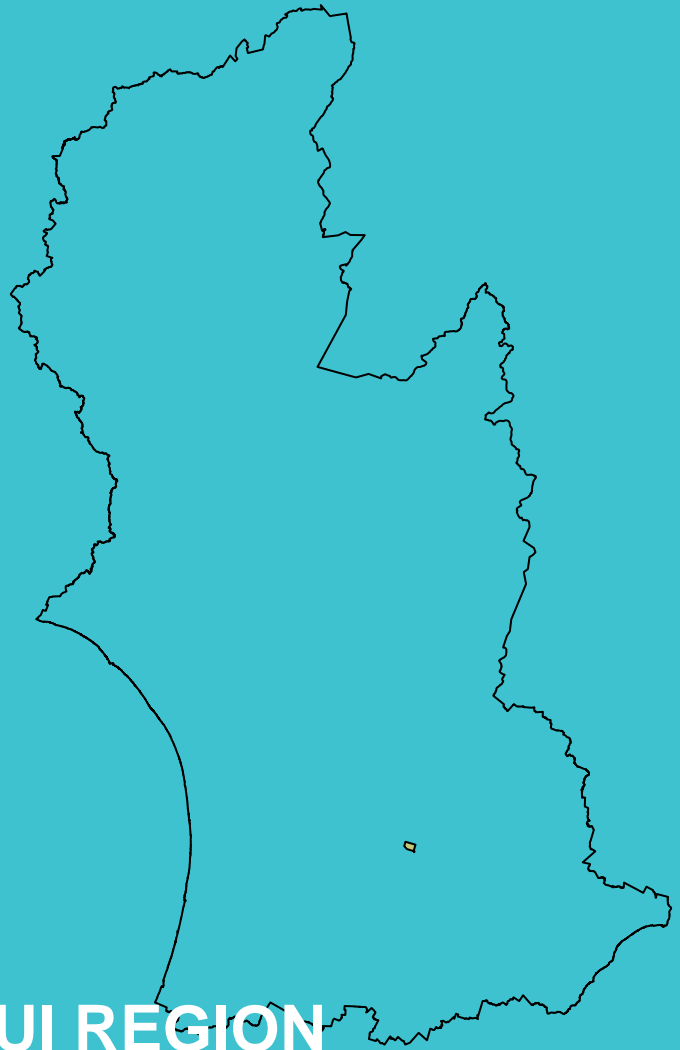


Data source: 31,679 garden surveys nationwide between 2007 and 2017.
This includes 216 garden surveys in this specific area.

* Based on available data, evidence for these species' estimates is weak.



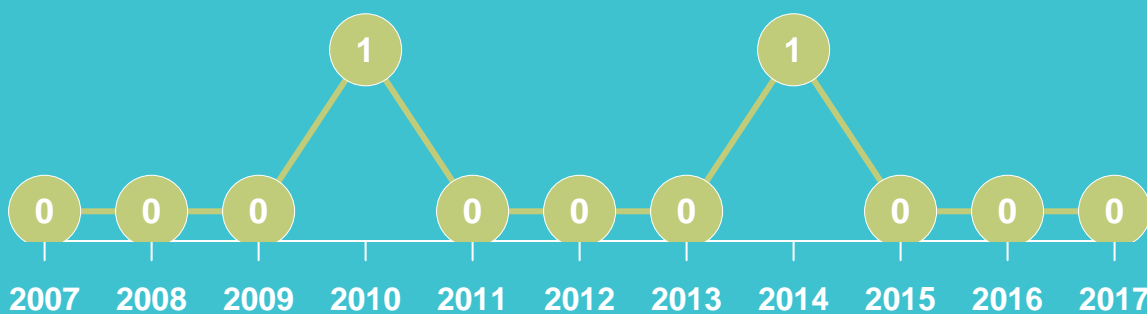
New Zealand
**GARDEN
BIRD
SURVEY**



MANAWATU-WANGANUI REGION

WOODVILLE

NUMBER OF SURVEYED GARDENS

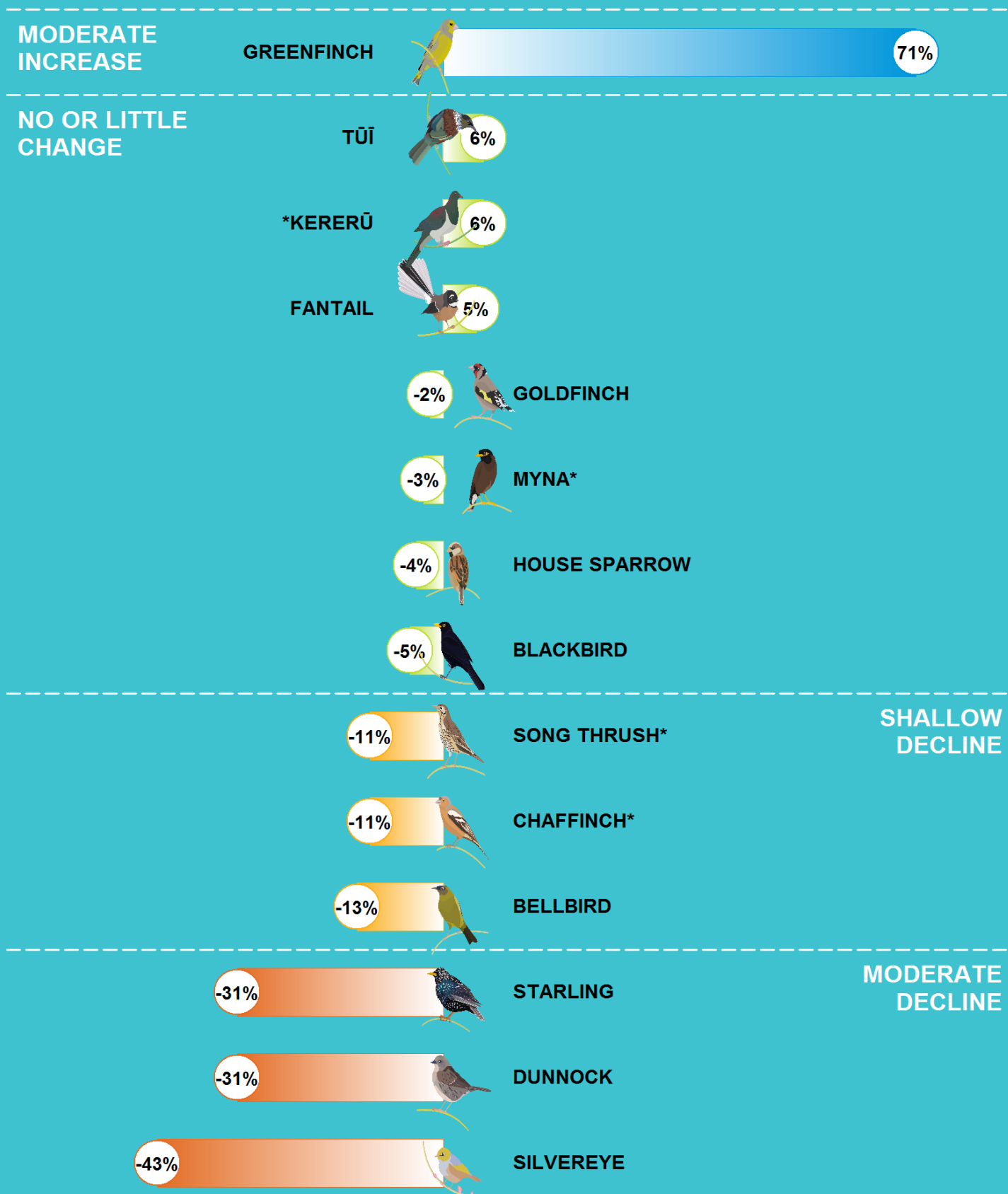


**Manaaki
Whenua**
Landcare
Research

How have bird counts changed?

MANAWATU-WANGANUI REGION | 2007-2017

Woodville



Data source: 31,679 garden surveys nationwide between 2007 and 2017.
This includes 2 garden surveys in this specific area.

* Based on available data, evidence for these species' estimates is weak.



New Zealand

GARDEN BIRD SURVEY

2018

30 June to 8 July

Visit our webpage to learn more:

gardenbirdssurvey.landcareresearch.co.nz

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