



Technical report

GISBORNE REGION

2017

State of NZ Garden Birds

Te Āhua o ngā Manu o te Kāri i Aotearoa





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 settingand 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 adjacent diagram) to help us identify changes of potential concern or interest.

Drawing attention to changes in counts of potential concern or interest



Change class for each species, based on the 1001 bootstrap replicates, indicated by double circle. The degree of shading indicates where these replicates lie. Quality rating category for each species shows the strength of evidence for the change class based on the 1001 replicates.

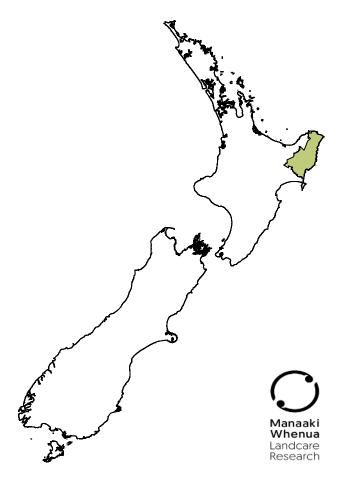


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	Median	80% (Rapid decline	Moderate decline	Shallow decline	No or little change	Shallow increase	Moderate increase	Rapid increase	Quality rating			
GREENFINCH	46%	27	to	58%	0	0	0	0	0		0	00000	
TUI	15%	10	to	20%	0	0	0	0	0	0	0	00000	KŌKŌ
FANTAIL	10%	6	to	15%	0	0	0	0		0	0	00000	PĪWAIWAKA
NEW ZEALAND PIGEON	5%	-8	to	17%	0	0	0	0	0	0	0	•0000	KERERŨ
BELLBIRD	2%	-3	to	7%	0	0	0	0	0	0	0	00000	KORIMAKO
MYNA	-1%	-16	to	10%	0	0	0	0	0	0	0	••000	MAINA
CHAFFINCH	-1%	-6	to	1%	0	0	0	0	0	0	0	00000	PAHIRINI
BLACKBIRD	-9%	-11	to	-6%	0	0		0	0	0	0	••000	MANU PANGO
SONG THRUSH	-10%	-15	to	-5%	0	0		0	0	0	0	•0000	
HOUSE SPARROW	-13%	-17	to	-6%	0	0	0	0	0	0	0	00000	TIU
STARLING	-30%	-36	to	-27%	0	0	0	0	0	0	0	00000	TĀRINGI
GOLDFINCH	-40%	-46	to	-35%	0	0	0	0	0	0	0	00000	
DUNNOCK	-44%	-55	to	-32%	0	0	0	0	0	0	0	00000	
SILVEREYE	-53%	-56	to	-50%		0	0	0	0	0	0	00000	TAUHOU



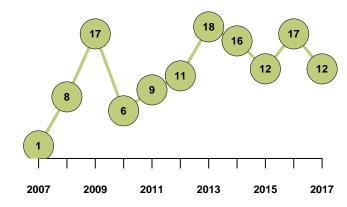


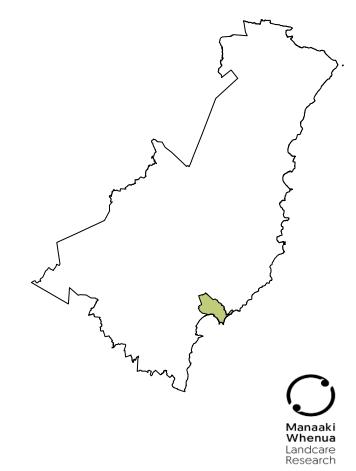
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Gisborne

	Median		Conf nterv	idence ⁄al	Rapid decline	Moderate decline	Shallow decline	No or little change	Shallow increase	Moderate increas	Rapid increase	Quality rating	
GREENFINCH	43%	24	to	56%	0	0	0	0	0	0	0	00000	
TUI	17%	11	to	22%	0	0	0	0	0	0	0	00000	KŌKŌ
FANTAIL	13%	7	to	18%	0	0	0	0		0	0	00000	PĪWAIWAKA
NEW ZEALAND PIGEON	4%	-11	to	17%	0	0	0	0	0	0	0	•0000	KERERÜ
BELLBIRD	2%	-4	to	7%	0	0	0	0	0	0	0	00000	KORIMAKO
CHAFFINCH	0%	-5	to	4%	0	0	0	0	0	0	0	00000	PAHIRINI
MYNA	-5%	-20	to	7%	0	0	0	0	0	0	0	••000	MAINA
SONG THRUSH	-9%	-15	to	-4%	0	0		0	0	0	0	•0000	
BLACKBIRD	-10%	-12	to	-7%	0	0		0	0	0	0	•0000	MANU PANGO
HOUSE SPARROW	-14%	-18	to	-7%	0	0	0	0	0	0	0	00000	TIU
STARLING	-30%	-36	to	-26%	0	0	0	0	0	0	0	00000	TĀRINGI
GOLDFINCH	-40%	-47	to	-35%	0	()	0	0	0	0	0	00000	
DUNNOCK	-43%	-54	to	-31%	0	0	0	0	0	0	0	00000	
SILVEREYE	-53%	-56	to	-50%		0	0	0	0	0	0	00000	TAUHOU



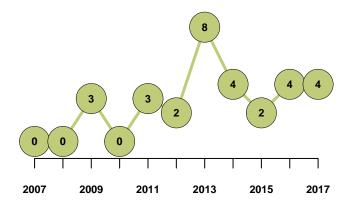


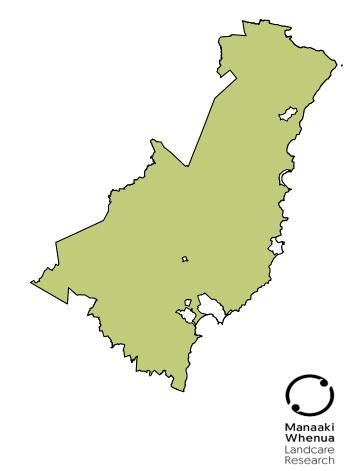
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Rural (Incl.some Off Shore Islands)



	Median		Confi	idence val	Rapid decline	Moderate decline	Shallow decline	No or little chang	Shallow increase	Moderate increas	Rapid increase	Quality rating	
GREENFINCH	59%	40	to	72%	0	0	0	0	0	()	0	••••0	
MYNA	11%	-1	to	23%	0	0	0	0		0	0	•0000	MAINA
TUI	10%	5	to	14%	0	0	0	0		0	0	00000	KŌKŌ
NEW ZEALAND PIGEON	9%	-9	to	22%	0	0	0	0	0	0	0	00000	KERERŪ
FANTAIL	4%	2	to	6%	0	0	0	0	0	0	0	00000	PĪWAIWAKA
BELLBIRD	2%	-4	to	8%	0	0	0	0	0	0	0	00000	KORIMAKO
BLACKBIRD	-5%	-8	to	-3%	0	0	0	0	0	0	0	00000	MANU PANGO
HOUSE SPARROW	-6%	-9	to	0%	0	0	0	0	0	0	0	00000	TIU
CHAFFINCH	-7%	-11	to	-4%	0	0	0		0	0	0	••••	PAHIRINI
SONG THRUSH	-12%	-17	to	-9%	0	0	0	0	0	0	0	00000	
STARLING	-32%	-38	to	-28%	0	0	0	0	0	0	0	00000	TĀRINGI
GOLDFINCH	-40%	-46	to	-35%	0	0	0	0	0	0	0	00000	
DUNNOCK	-48%	-59	to	-36%	0	0	0	0	0	0	0	00000	
SILVEREYE	-53%	-56	to	-50%		0	0	0	0	0	0	00000	TAUHOU



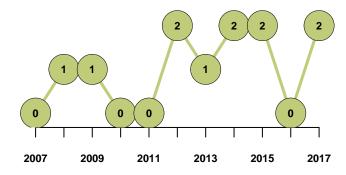


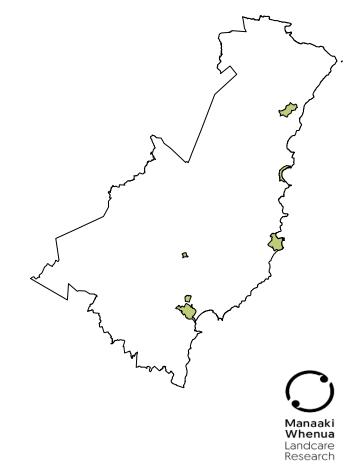
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Rural Centre

		000/3/	~ ·		Rapid decline	Moderate decline	Shallow decline	No or little change	Shallow increase	Moderate increas	Rapid increase		
	Median	80% Confidence Interval		Rap	Mod	Sha	No	Sha	Mod	Rap	Quality rating		
GREENFINCH	44%	24	to	57%	0	0	0	0	0		0	00000	
TUI	14%	7	to	19%	0	0	0	0		0	0	•••00	KŌKŌ
MYNA	11%	-4	to	23%	0	0	0	0		0	0	•0000	MAINA
NEW ZEALAND PIGEON	10%	-16	to	26%	0	0	0	0	0	0	0	00000	KERERŪ
FANTAIL	4%	2	to	6%	0	0	0	0	0	0	0	00000	PĪWAIWAKA
BELLBIRD	2%	-4	to	8%	0	0	0	0	0	0	0	00000	KORIMAKO
BLACKBIRD	-6%	-9	to	-4%	0	0	0	0	0	0	0	00000	MANU PANGO
SONG THRUSH	-8%	-12	to	-5%	0	0			0	0	0	••000	
CHAFFINCH	-12%	-16	to	-8%	0	0	0	0	0	0	0	00000	PAHIRINI
HOUSE SPARROW	-18%	-22	to	-12%	0	0	0	0	0	0	0	00000	TIU
STARLING	-32%	-38	to	-28%	0	0	0	0	0	0	0	00000	TĀRINGI
GOLDFINCH	-43%	-48	to	-38%	0	0	0	0	0	0	0	00000	
DUNNOCK	-45%	-57	to	-34%	0		0	0	0	0	0	00000	
SILVEREYE	-54%	-57	to	-51%		0	0	0	0	0	0	00000	TAUHOU







2018
30 June to 8 July

Visit our webpage to learn more: gardenbirdsurvey.landcareresearch.co.nz

