

Technical report

TASMAN 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.

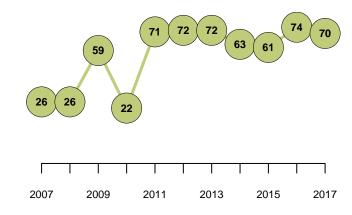


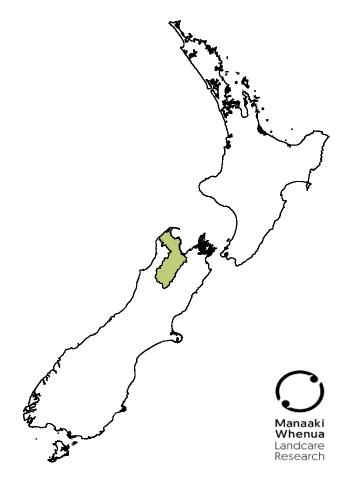


TASMAN REGION | 2007-2017



	Median		Conf nterv	idence ⁄al	Rapid decline	Moderate decline	Shallow decline	No or little change	Shallow increase	Moderate increase	Rapid increase	Quality rating	
GREENFINCH	73%	54	to	86%	0	0	0	0	0	0	0	00000	
TUI	22%	19	to	25%	0	0	0	0	0	0	0	00000	KŌKŌ
FANTAIL	15%	11	to	18%	0	0	0	0	0	0	0	00000	PĪWAIWAKA
BELLBIRD	8%	3	to	12%	0	0	0	0	0	0	0	••000	KORIMAKO
STARLING	3%	-1	to	7%	0	0	0	0	0	0	0	00000	TĀRINGI
HOUSE SPARROW	1%	-3	to	8%	0	0	0	0	0	0	0	00000	TIU
SONG THRUSH	-9%	-14	to	-5%	0	0		0	0	0	0	•0000	
BLACKBIRD	-13%	-16	to	-11%	0	0	0	0	0	0	0	00000	MANU PANGO
DUNNOCK	-17%	-25	to	-9%	0	0	0	0	0	0	0	00000	
CHAFFINCH	-17%	-21	to	-12%	0	0	0	0	0	0	0	00000	PAHIRINI
NEW ZEALAND PIGEON	-18%	-31	to	-7%	0	0	0	0	0	0	0	00000	KERERŪ
GOLDFINCH	-28%	-34	to	-23%	0	0	0	0	0	0	0	•••00	
SILVEREYE	-40%	-44	to	-37%	0	0	0	0	0	0	0	00000	TAUHOU



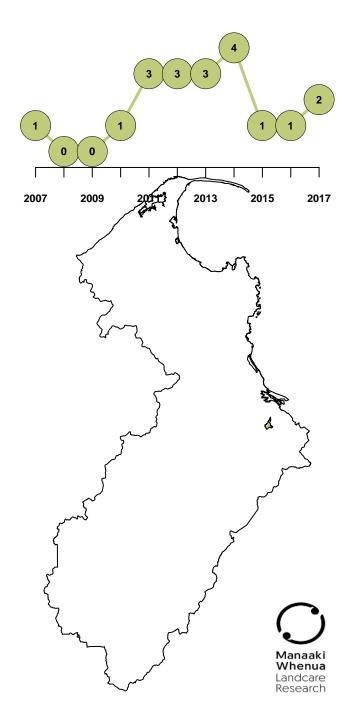


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Brightwater

	Median		idence val	Rapid decline	Moderate decline	Shallow decline	No or little chang	Shallow increase	Moderate increas	Rapid increase	Quality rating		
GREENFINCH	125%	107	to	138%	0	0	0	0	0	0	<!--</th--><th>00000</th><th></th>	00000	
TUI	30%	22	to	35%	0	0	0	0	0	0	0	00000	KŌKŌ
FANTAIL	21%	15	to	26%	0	0	0	0	0	0	0	00000	PĪWAIWAKA
STARLING	15%	10	to	20%	0	0	0	0	0	0	0	00000	TĀRINGI
BELLBIRD	11%	5	to	16%	0	0	0	0		0	0	••000	KORIMAKO
HOUSE SPARROW	4%	0	to	10%	0	0	0	0	0	0	0	00000	TIU
DUNNOCK	1%	-8	to	9%	0	0	0	0	0	0	0	00000	
NEW ZEALAND PIGEON	-2%	-31	to	16%	0	0	0	0	0	0	0	00000	KERERŪ
BLACKBIRD	-10%	-13	to	-7%	0	0	0		0	0	0	•0000	MANU PANGO
SONG THRUSH	-11%	-17	to	-6%	0	0	0	0	0	0	0	••000	
CHAFFINCH	-14%	-20	to	-9%	0	0	0	0	0	0	0	00000	PAHIRINI
GOLDFINCH	-24%	-30	to	-19%	0			0	0	0	0	00000	
SILVEREYE	-30%	-33	to	-26%	0	0	0	0	0	0	0	00000	TAUHOU

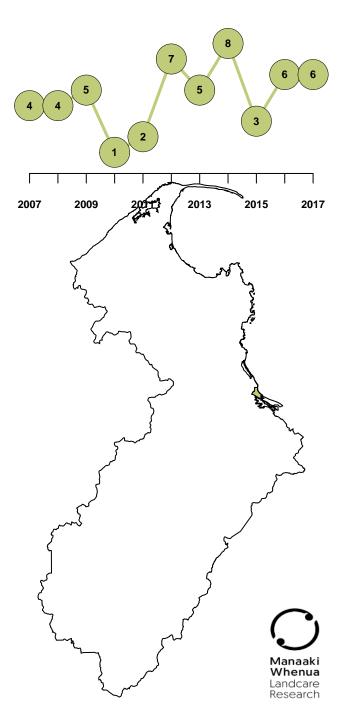


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Mapua

	Median		Conf nterv	idence ⁄al	Rapid decline	Moderate decline	Shallow decline	No or little chang	Shallow increase	Moderate increas	Rapid increase	Quality rating	
GREENFINCH	44%	25	to	59%	0	0	0	0	0	0	0	00000	
TUI	21%	15	to	25%	0	0	0	0	()	0	0	00000	KŌKŌ
STARLING	20%	13	to	25%	0	0	0	0	0	0	0	00000	TĀRINGI
FANTAIL	20%	14	to	25%	0	0	0	0	0	0	0	00000	PĪWAIWAKA
BELLBIRD	12%	5	to	19%	0	0	0	0		0	0	••000	KORIMAKO
SONG THRUSH	-6%	-12	to	0%	0	0	0	(0	0	0	••••	
HOUSE SPARROW	-10%	-15	to	-3%	0	0	0		0	0	0	•0000	TIU
CHAFFINCH	-10%	-16	to	-5%	0	0	0		0	0	0	•0000	PAHIRINI
BLACKBIRD	-15%	-18	to	-12%	0	0	0	0	0	0	0	00000	MANU PANGO
DUNNOCK	-18%	-28	to	-8%	0	0	0	0	0	0	0	00000	
GOLDFINCH	-22%	-30	to	-16%	0	0	0	0	0	0	0	00000	
NEW ZEALAND PIGEON	-25%	-50	to	-6%	0	0	0	0	0	0	0	•0000	KERERŪ
SILVEREYE	-45%	-49	to	-41%	0	0	0	0	0	0	0	00000	TAUHOU

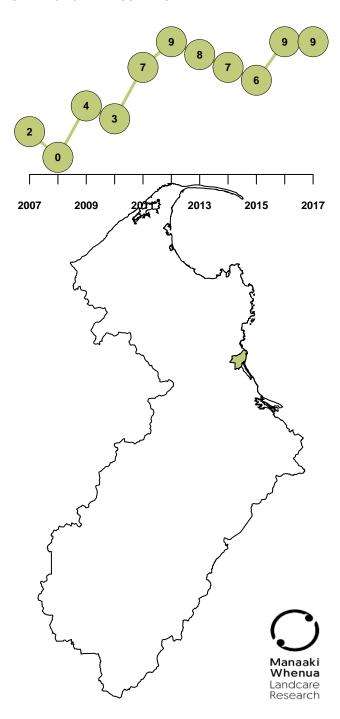


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Motueka

	Median		Conf	fidence val	Rapid decline	Moderate decline	Shallow decline	No or little chang	Shallow increase	Moderate increas	Rapid increase	Quality rating	
GREENFINCH	87%	68	to	100%	0	0	0	0	0	0	0	00000	
TUI	20%	15	to	24%	0	0	0	0	0	0	0	00000	KŌKŌ
FANTAIL	18%	12	to	23%	0	0	0	0	0	0	0	00000	PĪWAIWAKA
BELLBIRD	16%	3	to	28%	0	0	0	0	0	0	0	00000	KORIMAKO
STARLING	2%	-3	to	7%	0	0	0	0	0	0	0	00000	TĀRINGI
HOUSE SPARROW	-4%	-8	to	2%	0	0	0	0	0	0	0	00000	TIU
SONG THRUSH	-5%	-12	to	0%	0	0	0	0	0	0	0	00000	
NEW ZEALAND PIGEON	-10%	-37	to	7%	0	0	0	0	0	0	0	•0000	KERERŪ
DUNNOCK	-10%	-20	to	-2%	0	0			0	0	0	•0000	
BLACKBIRD	-10%	-13	to	-8%	0	0		0	0	0	0	••000	MANU PANGO
CHAFFINCH	-20%	-26	to	-15%	0	0	0	0	0	0	0	00000	PAHIRINI
GOLDFINCH	-29%	-35	to	-23%	0	0	0	0	0	0	0	00000	
SILVEREYE	-50%	-54	to	-47%	0		0	0	0	0	0	••000	TAUHOU

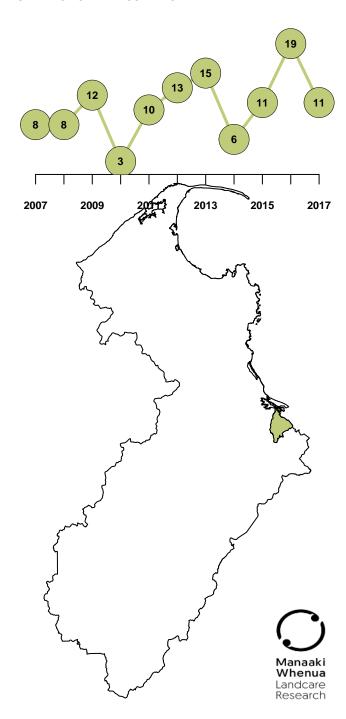


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Nelson

	Median		Conf nter	idence ⁄al	Rapid decline	Moderate decline	Shallow decline	No or little change	Shallow increase	Moderate increas	Rapid increase	Quality rating	
GREENFINCH	68%	49	to	82%	0	0	0	0	0	0	0	00000	
TUI	38%	33	to	43%	0	0	0	0	0	0	\bigcirc	00000	KŌKŌ
FANTAIL	26%	20	to	31%	0	0	0	0	0	0	0	00000	PĪWAIWAKA
HOUSE SPARROW	17%	12	to	24%	0	0	0	0	0	0	0	00000	TIU
BELLBIRD	10%	4	to	15%	0	0	0	0		0	0	00000	KORIMAKO
STARLING	1%	-4	to	6%	0	0	0	0	0	0	0	00000	TĀRINGI
SONG THRUSH	-10%	-16	to	-5%	0	0	0	•	0	0	0	•0000	
BLACKBIRD	-11%	-14	to	-8%	0	0	0	0	0	0	0	••••	MANU PANGO
CHAFFINCH	-13%	-19	to	-8%	0	0	0	0	0	0	0	00000	PAHIRINI
NEW ZEALAND PIGEON	-16%	-43	to	3%	0	0	0	0	0	0	0	••000	KERERŪ
DUNNOCK	-19%	-29	to	-11%	0	0	0	0	0	0	0	00000	
GOLDFINCH	-29%	-36	to	-23%	0	0	0	0	0	0	0	00000	
SILVEREYE	-30%	-34	to	-27%	0	()	0	0	0	0	0	00000	TAUHOU

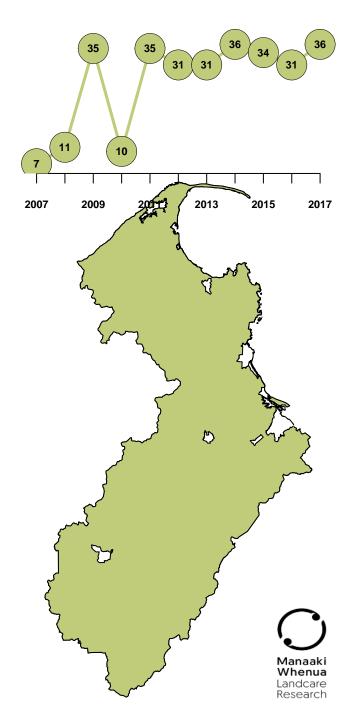


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Rural (Incl.some Off Shore Islands)

	Median		Conf nterv	idence ⁄al	Rapid decline	Moderate decli	Shallow decline	No or little char	Shallow increas	Moderate incre	Rapid increase	Quality rating	
GREENFINCH	59%	37	to	74%	0	0	0	0	0	0	0	••••	
TUI	13%	11	to	16%	0	0	0	0	()	0	0	00000	KŌKŌ
FANTAIL	8%	5	to	10%	0	0	0	0	0	0	0	00000	PĪWAIWAKA
BELLBIRD	7%	1	to	11%	0	0	0	0	0	0	0	00000	KORIMAKO
STARLING	5%	0	to	10%	0	0	0	0	0	0	0	00000	TĀRINGI
HOUSE SPARROW	-7%	-12	to	0%	0	0		0	0	0	0	••••	TIU
SONG THRUSH	-12%	-17	to	-8%	0	0	()	0	0	0	0	00000	
BLACKBIRD	-15%	-18	to	-12%	0	0	0	0	0	0	0	00000	MANU PANGO
DUNNOCK	-18%	-27	to	-10%	0	0	0	0	0	0	0	00000	
NEW ZEALAND PIGEON	-19%	-31	to	-8%	0	0		0	0	0	0	00000	KERERŪ
CHAFFINCH	-19%	-23	to	-13%	0	0	0	0	0	0	0	00000	PAHIRINI
GOLDFINCH	-27%	-34	to	-21%	0	0	0	0	0	0	0	00000	
SILVEREYE	-46%	-50	to	-43%	0	0	0	0	0	0	0	00000	TAUHOU

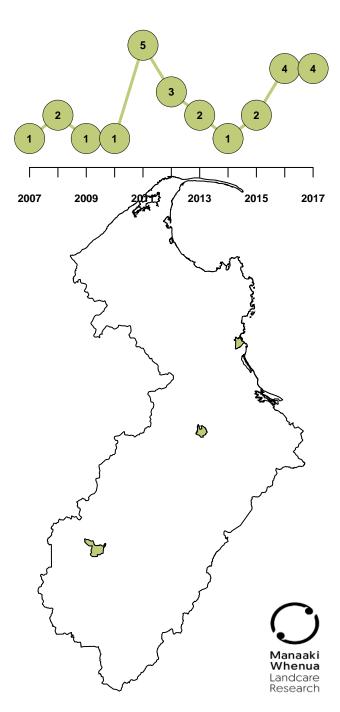


TASMAN REGION | 2007-2017



Rural Centre

	Median		Conf	idence val	Rapid decline	Moderate declin	Shallow decline	No or little chan	Shallow increas	Moderate increa	Rapid increase	Quality rating	
GREENFINCH	116%	97	to	129%	0	0	0	0	0	0	()	00000	
TUI	17%	12	to	21%	0	0	0	0	0	0	0	00000	KŌKŌ
FANTAIL	11%	8	to	13%	0	0	0	0	0	0	0	••••	PĪWAIWAKA
BELLBIRD	8%	2	to	12%	0	0	0		0	0	0	••••	KORIMAKO
STARLING	3%	-2	to	7%	0	0	0	0	0	0	0	00000	TĀRINGI
SONG THRUSH	-6%	-11	to	-2%	0	0	0	0	0	0	0	00000	
NEW ZEALAND PIGEON	-11%	-37	to	2%	0	0	0	0	0	0	0	•0000	KERERŪ
HOUSE SPARROW	-13%	-17	to	-6%	0	0	0	0	0	0	0	•••00	TIU
CHAFFINCH	-16%	-20	to	-11%	0	0	0	0	0	0	0	00000	PAHIRINI
DUNNOCK	-17%	-26	to	-9%	0	0	0	0	0	0	0	00000	
BLACKBIRD	-17%	-19	to	-14%	0	0	0	0	0	0	0	00000	MANU PANGO
GOLDFINCH	-33%	-39	to	-28%	0	()	0	0	0	0	0	00000	
SILVEREYE	-41%	-45	to	-38%	0	0	0	0	0	0	0	00000	TAUHOU

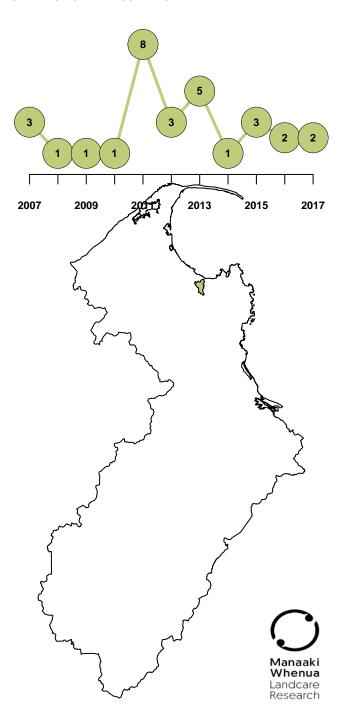


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Takaka

	Median		Conf	fidence val	Rapid decline	Moderate decline	Shallow decline	No or little chang	Shallow increase	Moderate increas	Rapid increase	Quality rating	
GREENFINCH	143%	123	to	157%	0	0	0	0	0	0	()	00000	
TUI	27%	20	to	33%	0	0	0	0	0	0	0	00000	KŌKŌ
BELLBIRD	15%	4	to	24%	0	0	0	0	0	0	0	••••0	KORIMAKO
FANTAIL	14%	8	to	18%	0	0	0	0	0	0	0	00000	PĪWAIWAKA
HOUSE SPARROW	0%	-3	to	8%	0	0	0	0	0	0	0	00000	TIU
SONG THRUSH	-2%	-9	to	2%	0	0	0	0	0	0	0	00000	
STARLING	-2%	-8	to	2%	0	0	0	0	0	0	0	00000	TĀRINGI
BLACKBIRD	-14%	-17	to	-11%	0	0	0	0	0	0	0	00000	MANU PANGO
DUNNOCK	-20%	-30	to	-11%	0	0	0	0	0	0	0	00000	
GOLDFINCH	-26%	-32	to	-20%	0			0	0	0	0	••000	
CHAFFINCH	-29%	-35	to	-23%	0	0	0	0	0	0	0	00000	PAHIRINI
NEW ZEALAND PIGEON	-31%	-43	to	-20%	0	0	0	0	0	0	0	••••	KERERŪ
SILVEREYE	-49%	-53	to	-45%		0	0	0	0	0	0	00000	TAUHOU

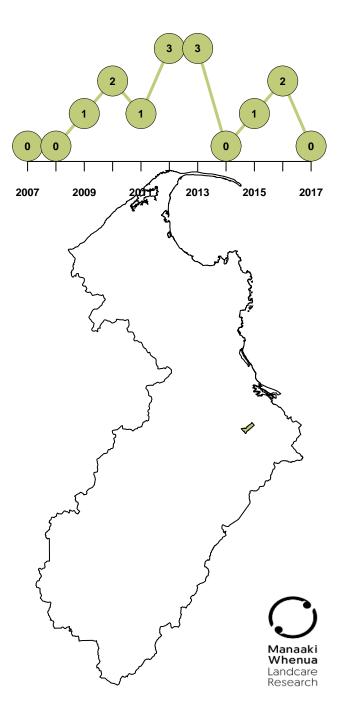


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Wakefield

Wakefield	Median		Confi	idence val	Rapid decline	Moderate decline	Shallow decline	No or little change	Shallow increase	Moderate increase	Rapid increase	Quality rating	
							0,		0,	-	Next		
GREENFINCH	65%	48	to	78%	0	0	0	0	0	0	0	00000	
TUI	21%	15	to	26%	0	0	0	0	0	0	0	00000	KŌKŌ
FANTAIL	19%	14	to	25%	0	0	0	0	0	0	0	00000	PĪWAIWAKA
BELLBIRD	6%	1	to	10%	0	0	0	0	0	0	0	00000	KORIMAKO
HOUSE SPARROW	-3%	-7	to	3%	0	0	0	0	0	0	0	00000	TIU
SONG THRUSH	-7%	-13	to	-2%	0	0	0	0	0	0	0	00000	
BLACKBIRD	-12%	-15	to	-10%	0	0	()	0	0	0	0	00000	MANU PANGO
STARLING	-13%	-19	to	-9%	0	0	0	0	0	0	0	00000	TĀRINGI
CHAFFINCH	-14%	-19	to	-9%	0	0	0	0	0	0	0	00000	PAHIRINI
NEW ZEALAND PIGEON	-16%	-30	to	-6%	0	0		0	0	0	0	00000	KERERŪ
DUNNOCK	-21%	-30	to	-12%	0	0	0	0	0	0	0	00000	
GOLDFINCH	-31%	-37	to	-26%	0	0	0	0	0	0	0	00000	
SILVEREYE	-45%	-49	to	-41%	0	0	0	0	0	0	0	00000	TAUHOU





2018
30 June to 8 July

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

