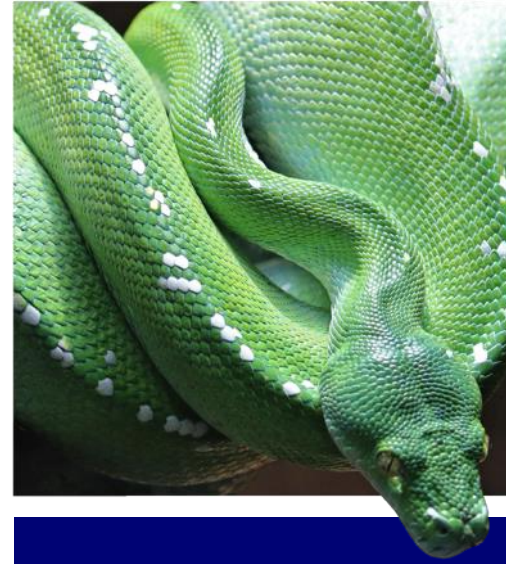


PaCCT TAG – Trends for Monitored and Candidate Populations

Colleen Lynch, PaCCT TAG Vice Chair
clynch@riverbanks.org

Tim Snyder, PaCCT TAG Chair
tim.snyder@czs.org



**RIVERBANKS
ZOO & GARDEN**
columbia south carolina

Creating Connections. Inspiring Action. Impacting Conservation.

PaCCT TAG

- Monitored
 - having 20+ individuals but lacking at least 1 other criteria required for a candidate program
- Candidate
 - having 20+ individuals at 3+ institutions, with 3 or more institutions regularly producing viable chicks surviving to maturity within the last 5 years and having an identified method for managing the population

PaCCT TAG

- The TAG currently lists
 - 30 Monitored programs
 - 20 are vacant
 - 11 Candidate programs
 - 2 are currently vacant

Both are required to provide 5 year trend data as part of the TAG's annual reporting process

Common Name			N Living					Hatch					Import				
			2014	2015	2016	2017	2018	2014	2015	2016	2017	2018	2014	2015	2016	2017	2018
Andean Cock-of-the-Rock	Monitored		54	68	74	80	88	11	24	16	16	1	0	0	0	1	1
Pompadour Cotinga	Monitored	Vacant															
Spangled Cotinga	Monitored		26	23	18	15	12	1	0	0	0	0	25	3	1	0	1
Collared Finch-Billed Bulbul	Candidate		57	55	52	42	32	20	12	13	6	4	0	0	0	0	0
White-Eared Bulbul	Candidate	Vacant															
Chestnut-Backed Thrush	Candidate		20	22	19	27	44	0	0	7	14	22	0	0	0	0	0
Scarlet-Faced Liochichla	Candidate		33	35	40	34	33	12	15	21	3	4	0	0	0	0	0
Golden White-Eye	Candidate		54	55	54	54	45	8	11	7	11	18	0	19	0	0	0
Saipan White-Eye	Candidate		22	47	43	34	32	4	0	2	8	5	0	24	0	0	0
White-Breasted Wood Swal	Monitored		51	55	67	63	62	20	21	22	18	25	0	0	0	0	0
Lesser Bird-of-Paradise	Candidate		18	22	23	21	23	4	7	3	2	5	0	0	1	0	0
Green Jay	Candidate		32	26	31	32	25	0	1	6	1	0	0	0	0	0	0
Metallic Starling	Monitored		245	276	324	299	289	79	118	185	41	46	0	0	0	0	0
Superb Starling	Candidate		135	139	146	149	145	33	67	46	62	41	1	6	1	2	3
Red Bishop	Monitored	Vacant															
Taveta Golden Weaver	Monitored		337	296	214	244	213	220	272	130	179	192	0	0	0	0	0
Paradise Whydah	Monitored	Vacant															
Pin-Tailed Whydah	Monitored	Vacant															
Black-Throated Finch	Monitored	Vacant															
Cut-Throat Finch	Monitored	Vacant															
Double-Barred Finch	Monitored	Vacant															
Gouldian Finch	Monitored	Vacant															
Javan Sparrow	Monitored		43	20	14	25	22	8	0	0	0	11	0	8	1	0	0
Lavender Waxbill	Monitored	Vacant															
Long-Tailed Finch	Monitored	Vacant															
Red-Billed Fire-Finch	Monitored	Vacant															
Red-Throated Parrot Finch	Monitored	Vacant															
Star finch	Monitored	Vacant															
Black-Faced Dacnis	Monitored	Vacant															
Blue Dacnis	Monitored	Vacant															
Paradise Tanager	Monitored		31	27	38	20	13	0	0	0	0	0	0	2	0	0	0
Purple Honeycreeper	Monitored	Vacant															
Red-Legged Honeycreeper	Monitored	Vacant															
Violaceous Euphonia	Monitored		41	38	41	43	44	6	2	10	22	30	22	3	10	2	0
Red-Crested Finch	Candidate	Vacant															
Saffron Finch	Monitored		155	170	150	147	142	40	36	18	23	16	0	6	14	0	0
Anna's Hummingbird	Monitored	Vacant															
Broad-Billed Hummingbird	Monitored	Vacant															
Speckled Mousebird	Candidate		851	897	953	924	857	151	210	210	215	187	0	0	0	0	0
Golden-Headed Quetzal	Monitored	Vacant															
White-tailed Trogon	Monitored		24	23	23	26	20	0	1	1	0	0	0	0	6	2	0

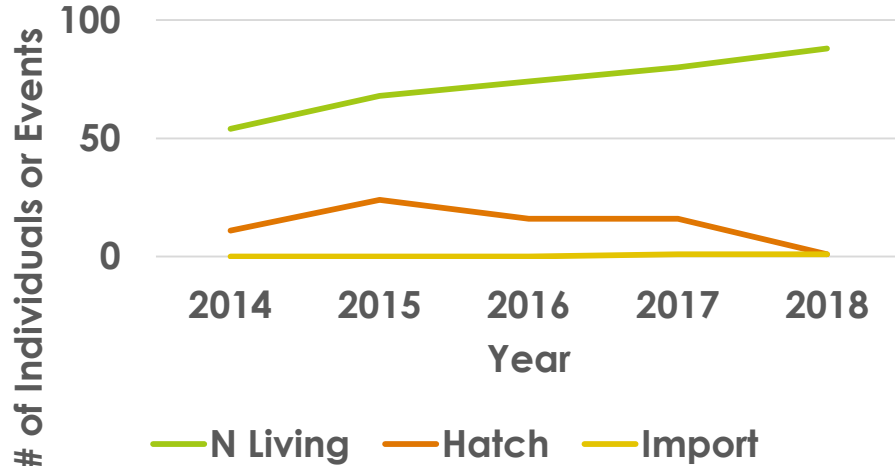
PaCCT TAG

- 100% of occupied programs reported!
- Thank you program leaders!!!!!!

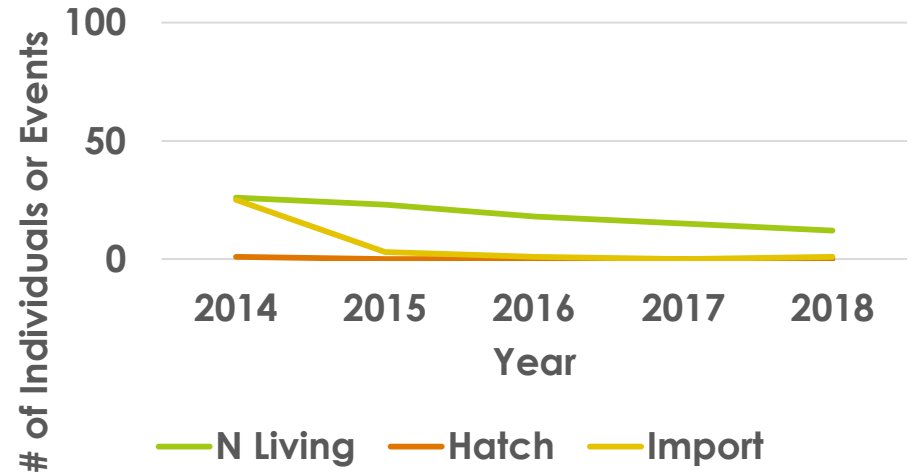
PaCCT TAG Population Trends						
FAMILY	Zosteropidae					
SPECIES	<i>Zosterops conspicillatus</i>	Saipan White eye				
Program Leader	Scott Newland					
Category (Mon or Cand?)	Candidate					
Year	Source	2014	2015	2016	2017	2018
N individual accession	ZIMS Species Holdings	22	47	43	34	32
N group accession	ZIMS Species Holdings	0	0	0	0	0
# of holders	ZIMS Pop'n Overview	4	5	5	4	4
Hatches	ZIMS Species Holdings	4	0	2	8	5
# of holders hatching	ZIMS Species Holdings	2	2	2	2	2
Deaths	ZIMS Pop'n Overview	7	2	7	18	7
Imports	ZIMS Pop'n Overview	0	24	0	0	0
Exports	ZIMS Pop'n Overview	0	0	0	0	0

- COTINGIDAE
 - 2 Monitored Species

Andean Cock-of-the-Rock

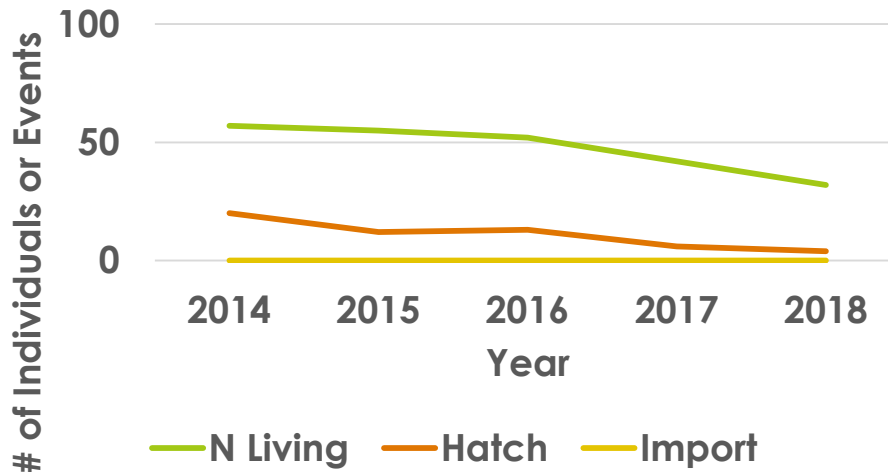


Spangled Cotinga

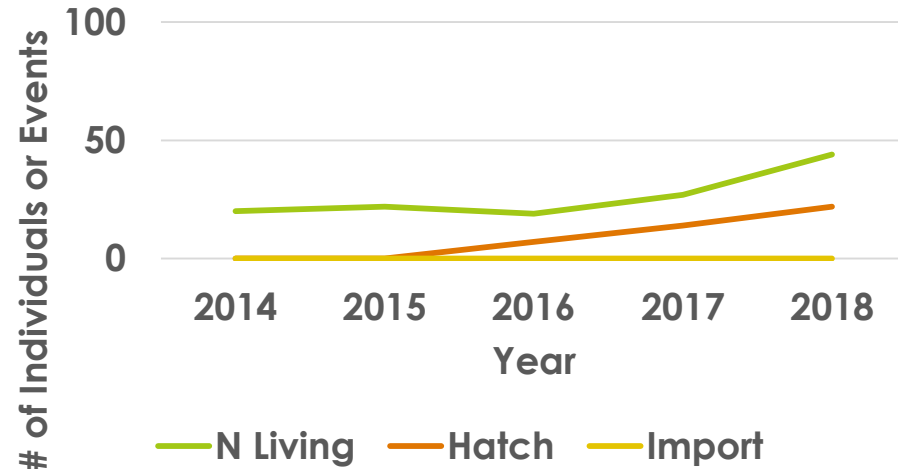


- PYCNONOTIDAE
 - 1 Candidate Species
- TURDIDAE
 - 1 Candidate Species
- TIMALIIDAE
 - 1 Candidate Species

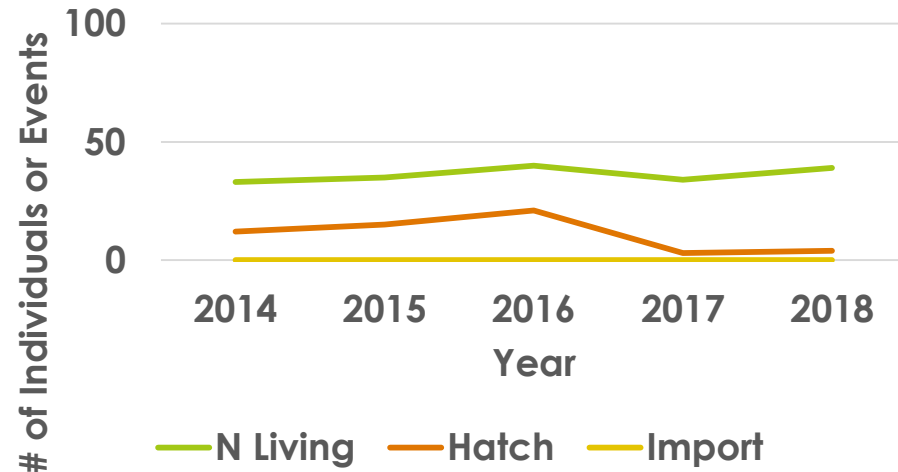
Collared Finch-billed Bulbul



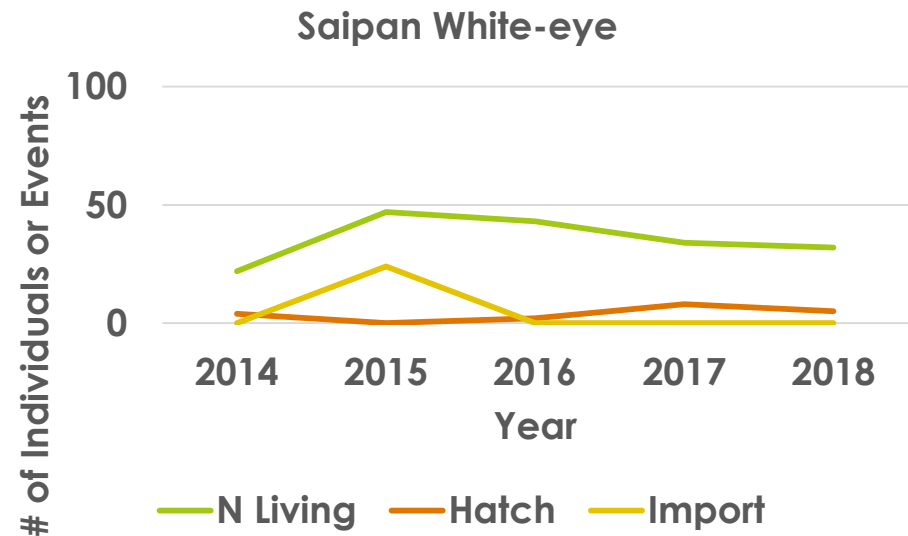
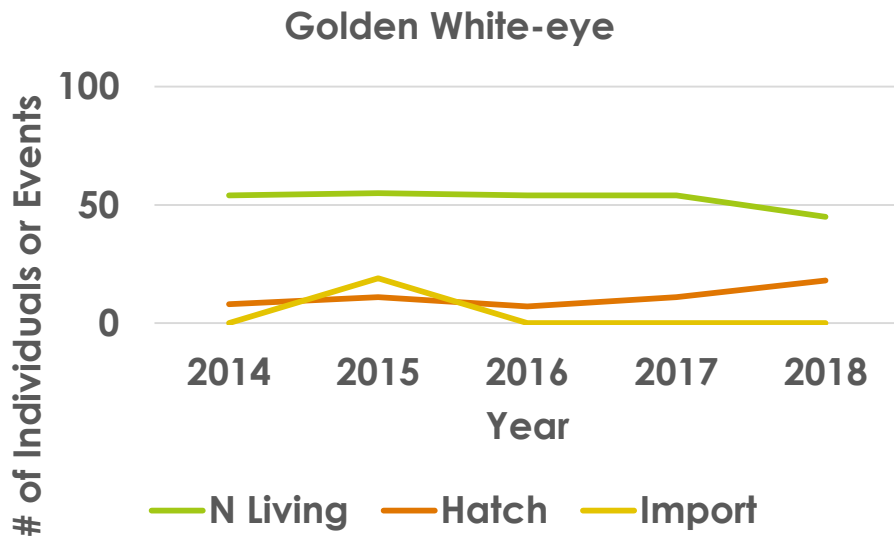
Chestnut-backed Thrush



Scarlet-faced Liocichla

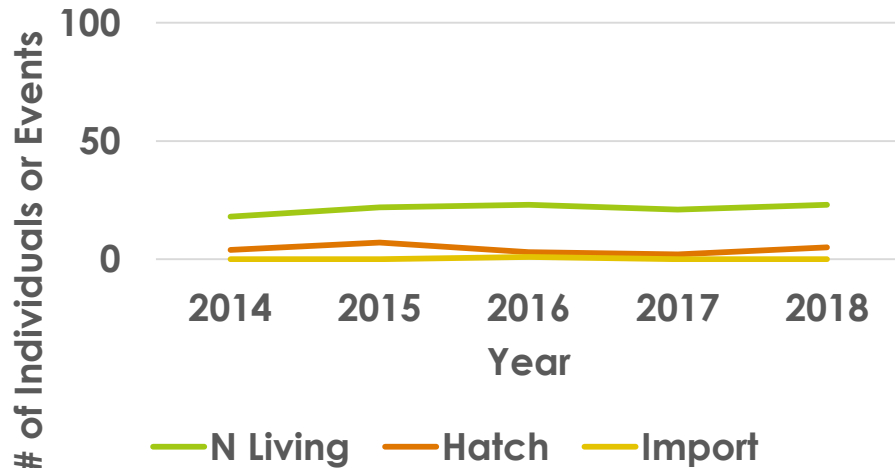


- ZOSTEROPIDAE
 - 2 Candidate Species

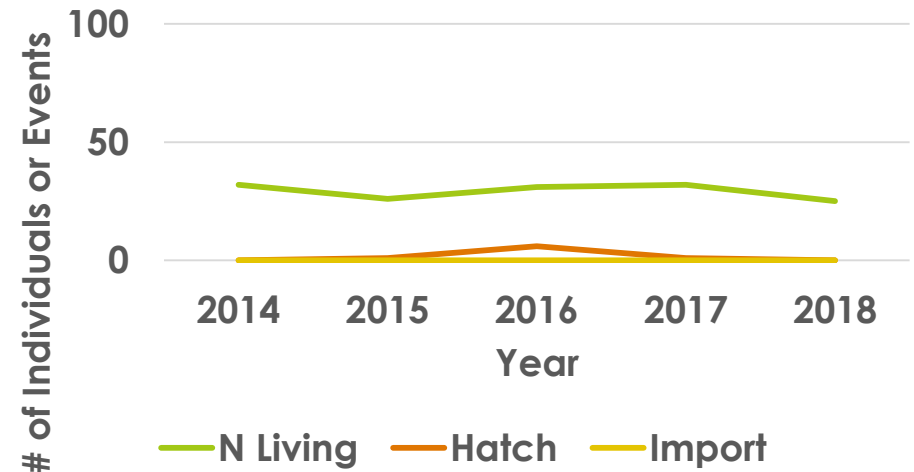


- PARADISAEIDAE
 - 1 Candidate Species
- CORVIDAE
 - 1 Candidate Species

Lesser Bird-of-Paradise

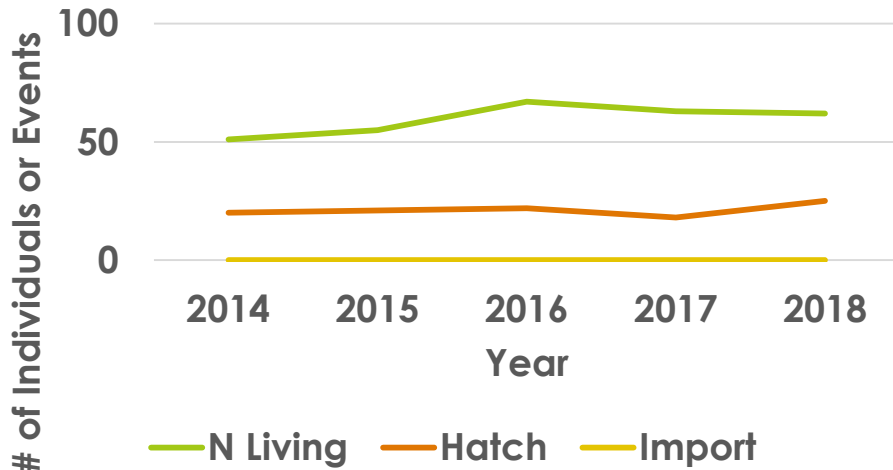


Green Jay

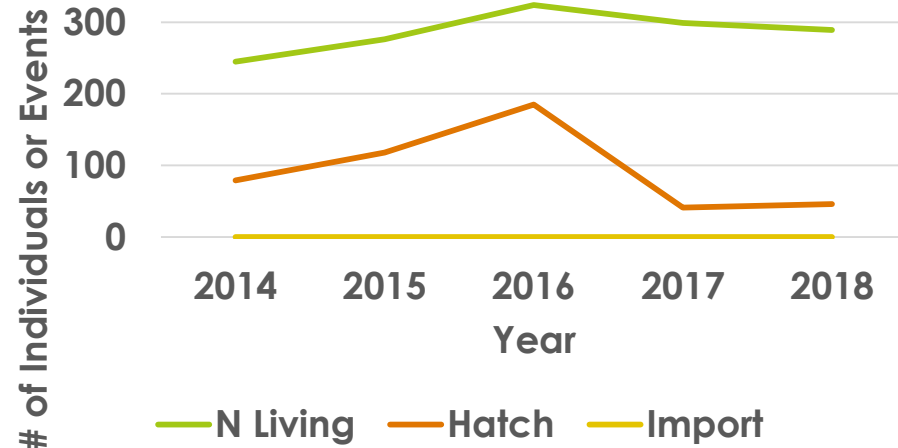


- ARTAMIDAE
 - 1 Monitored Species
- STURNIDAE
 - 1 Monitored Species
 - 1 Candidate Species

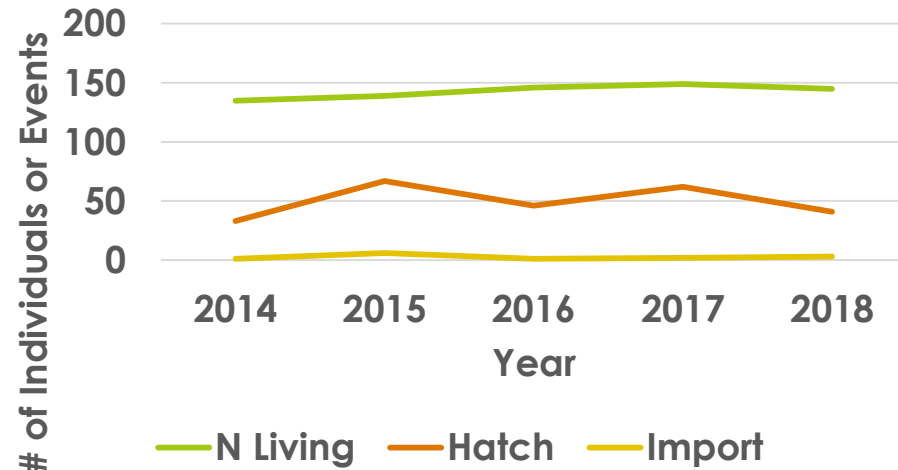
White-breasted Wood Swallow



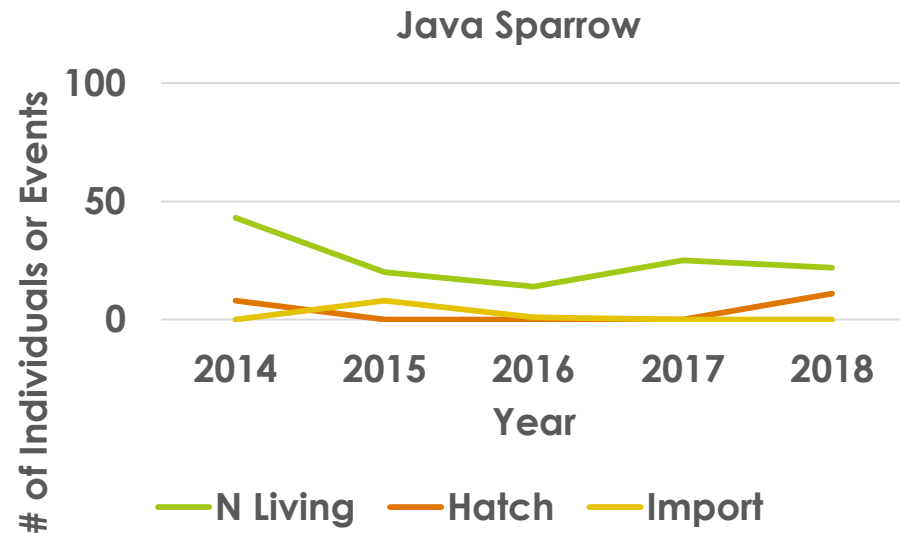
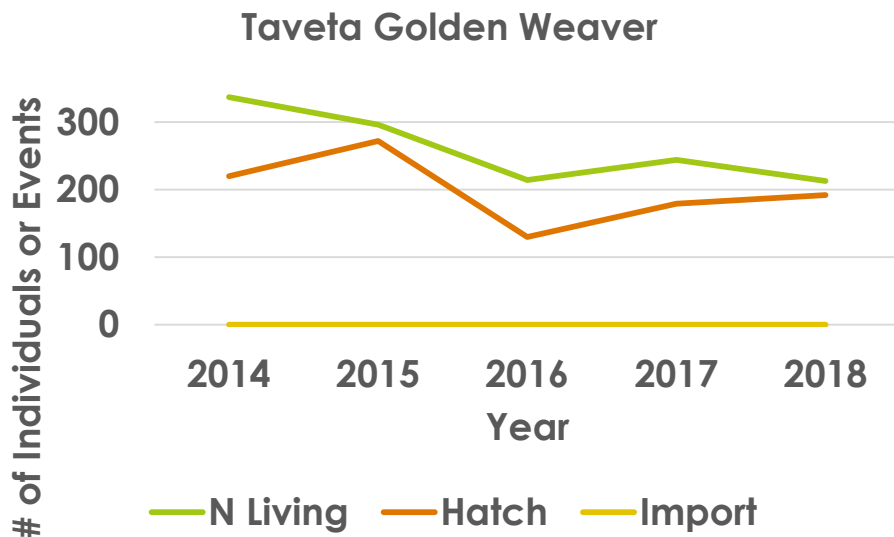
Metallic Starling



Superb Starling

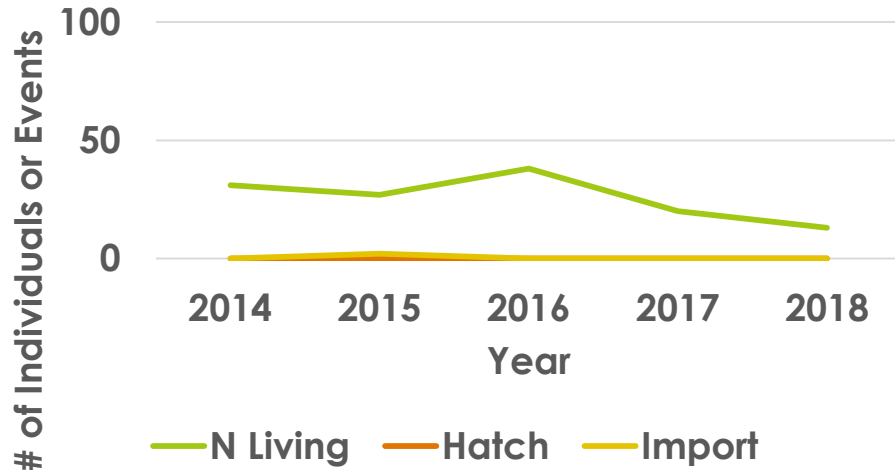


- PLOCIEDAE
 - 1 Monitored Species
- ESTRILDIDAE
 - 1 Monitored Species

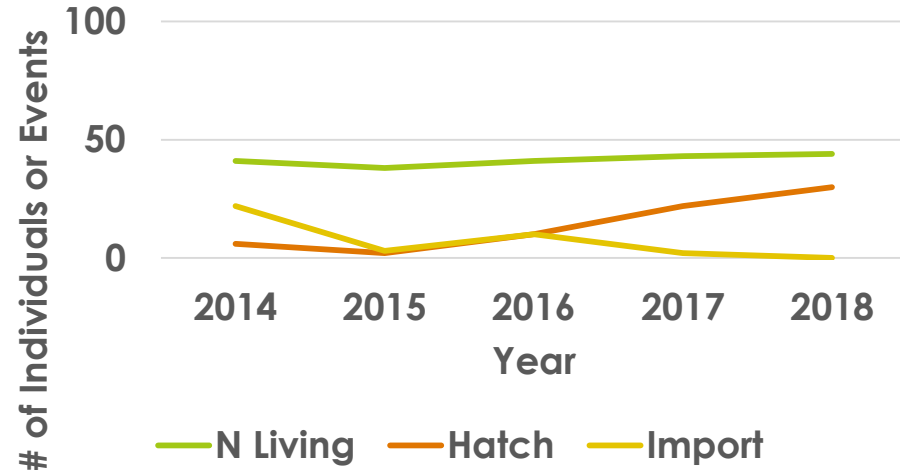


- THRAUPIDAE
 - 3 Monitored Species

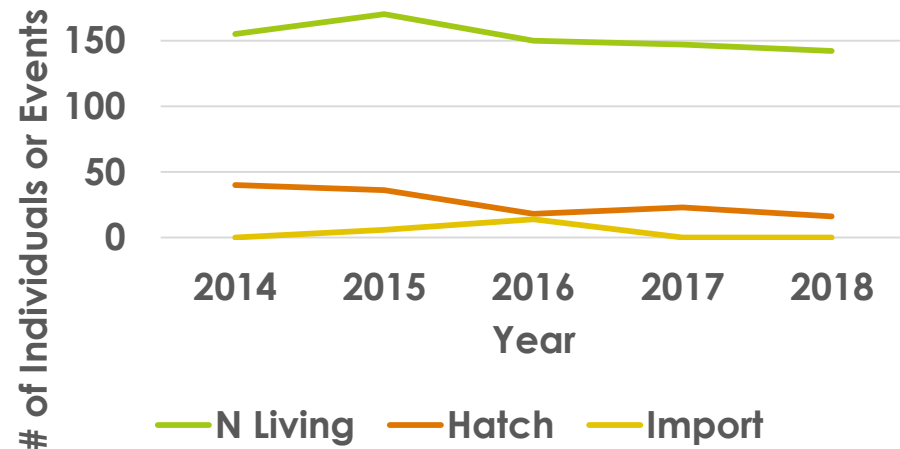
Paradise Tanager



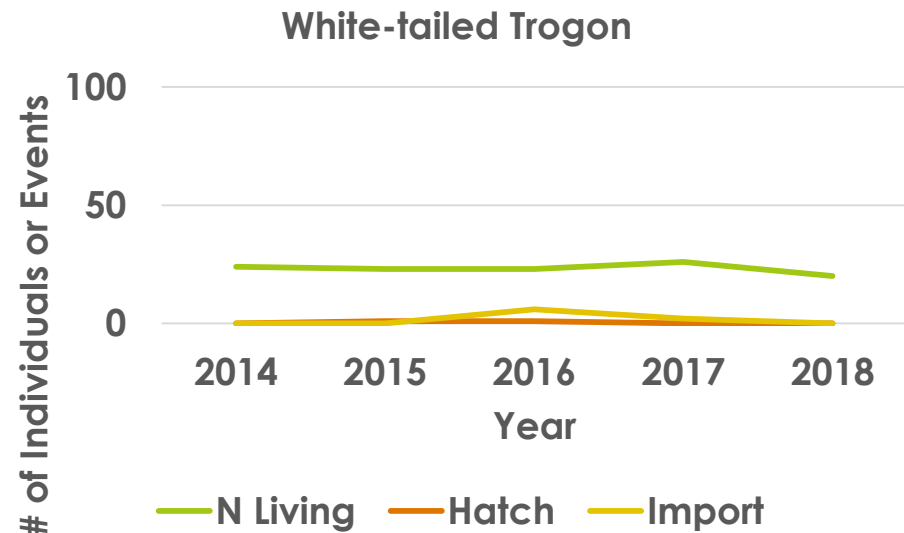
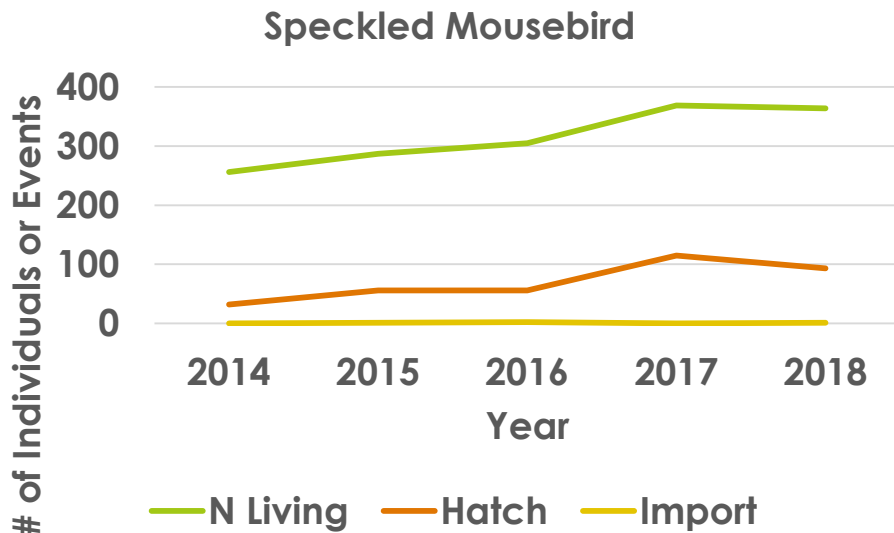
Violaceous Euphonia



Saffron Finch



- COLIDAE
 - 1 Candidate Species
- TROGONIDAE
 - 1 Monitored Species



Population Trends

Common Name	Family		N 2018
Andean Cock-of-the-Rock	COTINGIDAE	Monitored	88
Spangled Cotinga	COTINGIDAE	Monitored	12
Collared Finch-Billed Bulbul	PYCNONOTIDAE	Candidate	32
Chestnut-Backed Thrush	TURDIDAE	Candidate	44
Scarlet-Faced Liocichla	TIMALIIDAE	Candidate	39
Golden White-Eye	ZOSTEROPIDAE	Candidate	45
Saipan White-Eye	ZOSTEROPIDAE	Candidate	32
White-Breasted Wood Swallow	ARTAMIDAE	Monitored	62
Lesser Bird-of-Paradise	PARADISAEIDAE	Candidate	23
Green Jay	CORVIDAE	Candidate	25
Metallic Starling	STURNIDAE	Monitored	289
Superb Starling	STURNIDAE	Candidate	145
Taveta Golden Weaver	PLOCIEDAE	Monitored	213
Javan Sparrow	ESTRILDIDAE	Monitored	22
Paradise Tanager	THRAUPIDAE	Monitored	13
Violaceous Euphonia	THRAUPIDAE	Monitored	44
Saffron Finch	THRAUPIDAE	Monitored	142
Speckled Mousebird	COLIDAE	Candidate	364
white-tailed Trogon	TROGONIDAE	Monitored	20

- Green
 - Large and/or stable
- Yellow
 - Small but growing
- Orange
 - Small but declining
- Red
 - Critically small

Population Trends

Common Name	Family		Total Hatches
Andean Cock-of-the-Rock	COTINGIDAE	Monitored	68
Spangled Cotinga	COTINGIDAE	Monitored	1
Collared Finch-Billed Bulbul	PYCNONOTIDAE	Candidate	55
Chestnut-Backed Thrush	TURDIDAE	Candidate	43
Scarlet-Faced Liocichla	TIMALIIDAE	Candidate	55
Golden White-Eye	ZOSTEROPIDAE	Candidate	55
Saipan White-Eye	ZOSTEROPIDAE	Candidate	19
White-Breasted Wood Swallow	ARTAMIDAE	Monitored	106
Lesser Bird-of-Paradise	PARADISAEIDAE	Candidate	21
Green Jay	CORVIDAE	Candidate	8
Metallic Starling	STURNIDAE	Monitored	469
Superb Starling	STURNIDAE	Candidate	249
Taveta Golden Weaver	PLOCIEDAE	Monitored	993
Javan Sparrow	ESTRILDIDAE	Monitored	19
Paradise Tanager	THRAUPIDAE	Monitored	0
Violaceous Euphonia	THRAUPIDAE	Monitored	70
Saffron Finch	THRAUPIDAE	Monitored	133
Speckled Mousebird	COLIDAE	Candidate	352
white-tailed Trogon	TROGONIDAE	Monitored	2

- Green
 - Breeding!
- Yellow
 - Breeding- no growth
- Red
 - Not breeding!

Population Trends

Common Name	Family		Total Imports
Andean Cock-of-the-Rock	COTINGIDAE	Monitored	2
Spangled Cotinga	COTINGIDAE	Monitored	30
Collared Finch-Billed Bulbul	PYCNONOTIDAE	Candidate	0
Chestnut-Backed Thrush	TURDIDAE	Candidate	0
Scarlet-Faced Liocichla	TIMALIIDAE	Candidate	0
Golden White-Eye	ZOSTEROPIDAE	Candidate	19
Saipan White-Eye	ZOSTEROPIDAE	Candidate	24
White-Breasted Wood Swallow	ARTAMIDAE	Monitored	0
Lesser Bird-of-Paradise	PARADISAEIDAE	Candidate	1
Green Jay	CORVIDAE	Candidate	0
Metallic Starling	STURNIDAE	Monitored	0
Superb Starling	STURNIDAE	Candidate	13
Taveta Golden Weaver	PLOCIEDAE	Monitored	0
Javan Sparrow	ESTRILDIDAE	Monitored	9
Paradise Tanager	THRAUPIDAE	Monitored	2
Violaceous Euphonia	THRAUPIDAE	Monitored	37
Saffron Finch	THRAUPIDAE	Monitored	20
Speckled Mousebird	COLIDAE	Candidate	4
white-tailed Trogon	TROGONIDAE	Monitored	8

- Green
 - Not importing
- Yellow
 - Low level imports
- Red
 - Import dependent

Troubled Taxa

Common Name	Family		N 2018	Total Hatches	Total Imports
Andean Cock-of-the-Rock	COTINGIDAE	Monitored	88	68	2
Spangled Cotinga	COTINGIDAE	Monitored	12	1	30
Collared Finch-Billed Bulbul	PYCNONOTIDAE	Candidate	32	55	0
Chestnut-Backed Thrush	TURDIDAE	Candidate	44	43	0
Scarlet-Faced Liocichla	TIMALIIDAE	Candidate	39	55	0
Golden White-Eye	ZOSTEROPIDAE	Candidate	45	55	19
Saipan White-Eye	ZOSTEROPIDAE	Candidate	32	19	24
White-Breasted Wood Swallow	ARTAMIDAE	Monitored	62	106	0
Lesser Bird-of-Paradise	PARADISAEIDAE	Candidate	23	21	1
Green Jay	CORVIDAE	Candidate	25	8	0
Metallic Starling	STURNIDAE	Monitored	289	469	0
Superb Starling	STURNIDAE	Candidate	145	249	13
Taveta Golden Weaver	PLOCIEDAE	Monitored	213	993	0
Javan Sparrow	ESTRILDIDAE	Monitored	22	19	9
Paradise Tanager	THRAUPIDAE	Monitored	13	0	2
Violaceous Euphonia	THRAUPIDAE	Monitored	44	70	37
Saffron Finch	THRAUPIDAE	Monitored	142	133	20
Speckled Mousebird	COLIDAE	Candidate	364	352	4
white-tailed Trogon	TROGONIDAE	Monitored	20	2	8

Troubled Taxa

- 5- have three “stable markers”

Troubled Taxa

- 5- have three “stable markers”
- 3- have two “stable markers”

Troubled Taxa

- 5- have three “stable markers”
- 3- have two “stable markers”
- 1- has two “cautionary markers”

Troubled Taxa

- 5- have three “stable markers”
- 3- have two “stable markers”
- 1- has two “cautionary markers”
- 2- are “all over the board”

Troubled Taxa

- 5- have three “stable markers”
- 3- have two “stable markers”
- 1- has two “cautionary markers”
- 2- are “all over the board”
- 8- have two or three “warning markers” and may be dropped at next RCP review

Troubled Taxa

- 5- have three “stable markers”
- 3- have two “stable markers”
- 1- has two “cautionary markers”
- 2- are “all over the board”
- 8- have two or three “warning markers” and may be dropped at next RCP review
- 22 additional taxa have no PL and were not evaluated (may be removed from RCP due to lack of interest)

Yes....Colleen always does leave us on a high note! (she is the fairy bluebird of happiness...)



Thank you again

to all the PLs who compiled trends data!