



Monitoring is
valuable

Kiwi pukupuku

Shakespear Open Sanctuary 2017-18

Little spotted kiwi translocation

- Shakespear Open Sanctuary offers significant new habitat for 2nd rarest kiwi species
- 20 birds 2017 (including genetic shuffle)
- 20 birds 2018
- ‘Normal’ monitoring protocol
 - Radio tag half or all first cohort
 - If cohort one success, no monitor cohort 2





Auckland Council
Kaunihera o Tāmaki Makaurau





Auckland Council
Kaunihera o Tāmaki Makaurau





**Auckland
Council**
Kaunihera o Tāmaki Makaurau







**Auckland
Council**
Kaunihera o Tāmaki Makaurau





**Auckland
Council**
Kaunihera o Tāmaki Makaurau



Necropsy (n=9)

0-30535 (55628): death was due to a combination of a bacterial infection of the reproductive tract and cancer of the pancreas. There was no evidence of any infectious disease, including Avian Malaria. Adult female.

0-31344 (55629): no definitive diagnosis could be made due to advanced decomposition.

0-31338 (55729): death was due to pelvic trauma. Underlying disease could not be ruled out due to decomposition of internal organs. Subadult, sex unknown.

0-32180 (55731): death was due to emaciation. There was no evidence of any infectious disease, including Avian Malaria. Subadult female.

0-30513 (55732): death was due to Avian Malaria. Adult female.

0-30536 (55748): death was due to Avian Malaria. Subadult female.

0-30508 (55789): death was due to Avian Malaria. Subadult male

0-32030 (55790): death was due to Avian Malaria. Adult female.

0-30531 (55834): death was due to Avian Malaria. Adult female



Avian malaria

- Reservoir in passerines
- Common in blackbirds and thrushes = ubiquitous in environment
- Vectored by mosquitoes
- 'Common' in warmer months
- No vaccination, unable to practically manage in wild populations
- Usually sporadic
- First known cluster in wild kiwi



Discussion

- Tough summer conditions Kapiti Is
 - Translocation candidates in poor-moderate condition
 - Assessed as suitable for transfer by experts
- Commitment to monitoring allowed knowledge of situation
- Stakeholder communication important
- Limited founder population (n=5) for **all** LSK
- Shakespear is suitable as new home for kiwi
 - Evidence of breeding
 - Substantial weight gains of surviving birds





**Auckland
Council**
Kaunihera o Tāmaki Makaurau

