Surveillance Project: MAF Avian Disease Surveillance Project

Organisation: Ministry of Agriculture and Fisheries

Contract No: BAH/51/2001

Project Start Date: 17/12/2001 **Project End Date:** 31/08/2002

Project Supervisor: Dr. Roger Poland, MAF Biosecurity Authority
Phone: 04-498-9820 **Email:** Roger.Poland@maf.govt.nz

Project Coordinator: Dr. Richard Jakob-Hoff, NZCCM - Auckland Zoo
Phone: 09-360-4704 **Email:** richard.jakob-hoff@aucklandcouncil.govt.nz

Project Description: A pilot project to gather baseline avian disease prevalence and distribution data. Waterfowl and parrots were targeted because an inter-agency technical group considered these birds posed a significant biosecurity risk through contact with migratory birds and smuggling respectively. Veterinarians collected a range of diagnostic samples from wild and captive ducks and parrots during March - June, 2002. Diagnostic laboratories in New Zealand and the USA tested the samples for a specific range of pathogens identified by expert panels as those of greatest concern in these groups of birds.

Tests Summary: Parrots were tested for:
Avian paramyxoviruses (APMV)
Avian influenza (AIV)
Avian polyoma virus (APV)
Psittacine pox
Psittacine beak and feather disease virus (PBFD)
Pacheco's disease (psittacine herpes virus)
Chlamydophila psittaci and
Salmonella spp.

Waterfowl were tested for:
APMV
AIV
Avian pox
Infectious bursal disease
Chlamydophila psittaci
Salmonella spp
Yersinia spp'
Pasteurella spp
Avian tuberculosis (indirectly)
Haemoparasites
Intestinal helminths and
Ectoparasites (fleas, ticks and nasal mites)

All birds also received a physical examination.

Results Summary: 76 wild parrots of 3 species and 70 captive parrots of 15 species were sampled. No positive results were obtained from free-living parrots; psittacine pox was confirmed histologically in two Western rosellas - both these birds died. A nation-wide investigation by MAF biosecurity found no further evidence of this virus in New Zealand. PBFD antigen was detected in four sulphur-crested cockatoos and one Western rosella and three sulphur-crested cockatoos and one sun conure were sero-positive for avian polyoma virus. The only cockatoo to have clinical signs of PBFD was also sero-positive for APV. Tests for APMV, AIV and Salmonella were all negative. 1/84 parrots (a captive Goffins cockatoo) was sero-positive for Pacheco's disease herpes virus Type 1. This 7 year old bird was moderately obese and a feather plucker but otherwise clinically healthy. Subsequent testing by MAF Biosecurity determined this was a false positive. An incidental finding was a high incidence (28%) of hippoboscid flies (Ornithoica stipituri) in the plumage of red-crowned parakeets.

The waterfowl survey focussed on brown teal and other waterfowl sharing their habitat. 58 wild ducks of 3 species (33 brown teal) and 54 captive brown teal were sampled. Pasteurella multocida was cultured from 6/57 wild ducks and from pooled samples representing 15 captive brown teal from three locations (Hamilton, Queenstown, Invercargill). Mannheimia (Pasteurella) haemolytica was also cultured from 7/57 brown teal on Great Barrier Island. Strongyle-type intestinal nematodes were found in 3/36 captive brown teal but none of 20 wild ducks. Moderate to heavy burdens of trematodes were foundby necropsy in the pancreatic ducts, biliary tract, liver parenchyma and/or heart of 5/9 (55.6%) brown teal that died within two weeks of transfer from GBI to captivity. These parasites were not considered to have contributed to the deaths of the birdds. Moderate to heavy burdens of feather lice (Anaticola crassicornis and Triniton querquedulae) were

also found in a 11/33 wild brown teal and 2/5 wild mallard. Only one captive teal had feather lice. Survey results for all other diagnostic tests were negative.

Contributors:

Class: Birds (Aves)

Common Name	Taxonomic Name	Count
Sulphur-crested Cockatoo	*Cacatua galerita*	24
Galah	*Cacatua roseicapilla*	5
Major Mitchell's Cockatoo	*Cacatua leadbeateri*	5
Umbrella Cockatoo	*Cacatua alba*	2
Goffin's Cockatoo	*Cacatua goffini*	2
Eastern Rosella	*Platycercus eximius*	4
Western Rosella	*Platycercus icterotis*	2
Red-crowned Parakeet	*Cyanoramphus novaezelandiae novaezelandiae*	67
Rainbow Lorikeet (Eastern)	*Trichoglossus haematodus moluccanus*	5
Red-collared Lorikeet	*Trichoglossus haematodus rubritorquis*	3
Blue and Yellow Macaw	*Ara ararauna*	9
Red and Green Macaw	*Ara chloroptera*	6
Scarlet Macaw	*Ara macao*	1
Sun Conure	*Aratinga solstitialis*	8
Musk Lorikeet	*Glossopsitta concinna*	3
Hawk-headed Parrot	*Deroptyus accipitrinus*	3
Mallard	*Anas platyrhynchos*	5
Brown Teal	*Anas aucklandica chlorotis*	90
Paradise Shelduck	*Tadorna variegata*	17

Number of Animal Profiles in Class: **261**

Total Number of Animal Profiles in all Classes: **261**

Surveillance Project: Kakapo

Organisation: Department of Conservation
Contract No:
Project Start Date: **Project End Date:**
Project Supervisor: Ron Moorehouse
Phone: **Email:** rmoorehouse@doc.govt.nz
Project Coordinator: Daryl Eason
Phone: 025 243 9140 **Email:** deason@doc.govt.nz
Project Description: Data gathered and maintained on an Excel spreadsheet by the Department of Conservation's National Kakapo Team has been transferred to this database to provide easier searchability and wider access to this data.
Tests Summary:
Results Summary:
Contributors:

Class: Birds (Aves)

Common Name	Taxonomic Name	Count
Kakapo	*Strigops habroptilus*	101

Number of Animal Profiles in Class: **101**

Total Number of Animal Profiles in all Classes: **101**

Surveillance Project: Wild North Island Brown Kiwi

Organisation: Department of Conservation
Contract No: N/A
Project Start Date: 02/05/1999 **Project End Date:** 22/05/1999
Project Supervisor: Hugh Robertson
Phone: 04 471 3274 **Email:** hrobertson@doc.govt.nz
Project Coordinator: Hugh Robertson
Phone: 04 471 3274 **Email:** hrobertson@doc.govt.nz
Project Description:
Tests Summary:
Results Summary:
Contributors:

Class: Birds (Aves)

Common Name	Taxonomic Name	Count
North Island Brown Kiwi	*Apteryx "North Island"*	50

Number of Animal Profiles in Class: **50**

Total Number of Animal Profiles in all Classes: **50**

Surveillance Project: Buff Weka Translocation Project

Organisation: DOC Wanaka

Contract No: n/a

Project Start Date: 01/01/2002 **Project End Date:**

Project Supervisor: Paul Hondelink
Phone: 03 443 9461 VPN **Email:** phondelink@doc.govt.nz

Project Coordinator: Florence Gaud
Phone: 03 443 9461 VPN **Email:** fgaud@doc.govt.nz

Project Description: A joint project of DOC Wanaka and Kai Tahu Papatipu Runaka O Otago. The conservation outcome for the translocation is to translocate up to 30 Buff Weka from Te Peka Karara to Stevenson Peninsula in order to increase the range and available habitat for Buff Weka in Otago and to establish a self-sustaining Buff Weka population on the mainland by June 2009. The translocation process will be similar to the one used previously because of its success and its minimal impact on the breeding population.

The conservation outcomes and operational targets were partially met in the 2009 season: 15 sub-adult weka, including 7 from Te Peka Karara (Stevenson's Island), 2 from Wakatipu Island and 6 from Banks Peninsula were successfully translocated to Stevenson Peninsula in Lake Wanaka on 13th March 2009 with the presence of Ngai Tahu, the land owner and DOC staff.

Additional results added 19 March 2010: The conservation outcome for this translocation is to translocate 2 Buff weka that were taken from the Chatham's Island by members of the public then handed over to Staglands Wildlife Reserve and then transferred to Stevenson's Island in Lake Wanaka for acclimatising in the aviary for two weeks and finally translocated to Mou Waho Island in Lake Wanaka. This project aims to increase the range and available habitat for Buff Weka in Otago and to establish a self-sustaining Buff Weka population on this island. The translocation process is similar to the one used previously because of its success and its minimal impact on the breeding population.

Tests Summary: Salmonella and Yersinia cloacal culture, blood smear for white cell count and blood parasite screen, faecal egg counts.

Results Summary: 2009: No salmonella or yersinia were detected, all the birds were infected with coccidia at a low level and were kept in quarantine for 2 weeks, treated by a vet and re-checked before transfer. Blood smears all clear, no blood parasites found.

March 2010: No Salmonella or Yersinia were detected; all the birds were kept in quarantine for two weeks, treated by a vet and re-checked before transfer. Blood smears all clear; no blood parasites found.

Contributors:

Class: Birds (Aves)

Common Name	Taxonomic Name	Count
Buff Weka	*Gallirallus australis hectori*	16

Number of Animal Profiles in Class: **16**

Total Number of Animal Profiles in all Classes: **16**

Surveillance Project: Takahe Health Screening

Organisation: Department of Conservation
Contract No: N/A
Project Start Date: 19/04/2010 **Project End Date:** 20/04/2010
Project Supervisor: Kate McInnes
Phone: 04 495 8604 **Email:** kmcinnes@doc.govt.nz
Project Coordinator: Linda Kilduff
Phone: 03 249 0242 **Email:** lkilduff@doc.govt.nz
Project Description: Takahe population baseline
Tests Summary: Chlamydia, serum protein, white cell differential, Salmonella, Yersinia, faecal egg count, coccidia count, blood parasite screen
Results Summary: All normal
Contributors:

Class: Birds (Aves)

Common Name	Taxonomic Name	Count
Takahe	*Porphyrio mantelli hochstetteri*	21

Number of Animal Profiles in Class: **21**

Total Number of Animal Profiles in all Classes: **21**

Surveillance Project: DOC Psittacine Beak and Feather Survey

Organisation: Department of Conservation
Contract No: N/A
Project Start Date: 01/03/2006 **Project End Date:** 01/03/2010
Project Supervisor: Dr. Kate McInnes
Phone: 04 495 8604 **Email:** kmcinnes@doc.govt.nz
Project Coordinator: As Above
Phone: **Email:**
Project Description: DOC Psittacine Beak and Feather Disease Survey of Native Birds
Tests Summary: PCR and/or HA (Haemagglutination) and HI (Haemagluttination Inhibition) on various native birds

Results Summary: All negative
Contributors:

Class: Birds (Aves)

Common Name	Taxonomic Name	Count
Kaka	*Nestor meridionalis*	20
Antipodes Island Parakeet	*Cyanoramphus unicolor*	6
Red-crowned Parakeet	*Cyanoramphus novaezelandiae novaezelandiae*	6
Chatham Island Red-crowned Parakeet	*Cyanoramphus novaezelandiae chathamensis*	1
Reischek's Parakeet	*Cyanoramphus novaezelandiae hochstetteri*	6
Yellow-crowned Parakeet	*Cyanoramphus auriceps auriceps*	3
Forbes' Parakeet	*Cyanoramphus auriceps forbesi*	12
Orange-fronted Parakeet	*Cyanoramphus malherbi*	26

Number of Animal Profiles in Class: **80**

Total Number of Animal Profiles in all Classes: **80**

Surveillance Project: Takahe Health Investigation 1998

Organisation: Department of Conservation

Contract No:

Project Start Date: 06/04/1998 **Project End Date:** 14/05/1998

Project Supervisor: Dr. Karrie Rose
Phone: +612 299 784 749 **Email:** krose@zoo.nsw.gov.au

Project Coordinator: As Above
Phone: **Email:**

Project Description: This research project was proposed by the takahe Recovery Team to assess the risk to animal health posed by translocating birds between populations located within the Murchison Mountains, Burwood Bush Takahe Rearing Facility, Tiritiri Matangi Island, Mana Island, Kapiti Island and Maud Island. Objectives were:

•Determine physiological data of clinical healthy takahe in wild populations
•Measure haematological and serum biochemical data and establish reference data to be used for comparison with observations from injured or ill birds
•Identify ectoparasites that may act as vectors for infectious diseases
•Determine the best method of external examination to detect clinical evidence of infectious disease
•Examine faeces for evidence of internal parasites
•Attempt to culture to isolate specific potential pathogens from the upper respiratory tract and lower gastrointestinal tract
•Train DOC field workers to conduct external physical examinations, monitor heart rate and respiration, take swabs from various sites for microbial culture and collect and properly handle blood samples.

Tests Summary:

Results Summary:

Contributors:

Class: Birds (Aves)

Common Name	Taxonomic Name	Count
Takahe	*Porphyrio mantelli hochstetteri*	59

Number of Animal Profiles in Class: **59**

Total Number of Animal Profiles in all Classes: **59**

Surveillance Project: NZ Shore Plover Health Survey

Organisation: Peacock Springs Wildlife Reserve
Contract No:
Project Start Date: 31/03/2005 **Project End Date:** 17/02/2010
Project Supervisor: Anne Richardson
Phone: 027 224 9225 **Email:** anner@isaac.co.nz
Project Coordinator:
Phone: **Email:**
Project Description: Health survey for NZ shore plover prior to translocation
Tests Summary: Cloacal swab, faecal sample, faecal swab
Results Summary: Mixture of positive and negative
Contributors:

Class: Birds (Aves)

Common Name	Taxonomic Name	Count
Shore Plover	*Thinornis novaeseelandiae*	110

Number of Animal Profiles in Class: **110**

Total Number of Animal Profiles in all Classes: **110**

Surveillance Project: N.I. Kokako Translocation to Mokoia Island

Organisation: Department of Conservation

Contract No: N/A

Project Start Date: 19/05/2007 **Project End Date:** 29/05/2007

Project Supervisor: Bridget Evans
Phone: 07 307 0611 **Email:** bevans@doc.govt.nz

Project Coordinator: Bridget Evans
Phone: 07 307 0611 **Email:** bevans@doc.govt.nz

Project Description: 7 male and 4 female North Island kokako were screened for disease prior to transfer from Tirititiri Matangi to Mokoia Island, Rotorua (males) and the Hunuas (females)

Tests Summary: Faeces for coccidia/worm eggs
Cloacal swab for Salmonella, Yersinia and Listeria culture
Haematology
External parasites

Results Summary: All negative for coccidia, worm eggs, Salmonella, Yersinia, Listeria. CBC normal; total protein normal; no external parasites found

Contributors:

Class: Birds (Aves)

Common Name	Taxonomic Name	Count
North Island Kokako	*Callaeas cinerea wilsoni*	11

Number of Animal Profiles in Class: **11**

Total Number of Animal Profiles in all Classes: **11**

Surveillance Project: Hihi Translocation Tiritiri Matangi to Maungatoutori 2009

Organisation: Maungatoutori Ecological Island Trust

Contract No:

Project Start Date: 01/03/2009 **Project End Date:** 07/03/2009

Project Supervisor: Kevin Parker
Phone: 021 701 639 **Email:** reintroductionbiologist@gmail.com

Project Coordinator: Chris Smuts Kennedy
Phone: 027 417 2267 **Email:** smuts@hapl.net

Project Description: Translocation of 59 hihi for Tiritiri Matangi to Maungaoutori 2009. Birds were held in quarantine pending results and treated with baycox for coccidia.
Laboratory Case # AU0904860

Tests Summary: 64 blood smears WBC estimate and differential; 64 cloacal swabs pooled into 25 groups (mostly 3 birds, some pools of 2 birds) for Salmonella and Yersinia culture. 64 x physical exam.

Results Summary: All tests negative. WBC estimates and differentials - see individual results.

Contributors:

Class: Birds (Aves)

Common Name	Taxonomic Name	Count
Stitchbird	*Notiomystis cincta*	64

Number of Animal Profiles in Class: **64**

Total Number of Animal Profiles in all Classes: **64**

Surveillance Project: Hihi Translocation LBI to Maungatoutori 2009

Organisation: Maungatoutori Ecological Island Trust

Contract No:

Project Start Date: 19/03/2009 **Project End Date:** 21/03/2009

Project Supervisor: Kevin Parker
Phone: 021 701 639 **Email:** reintroductionbiologist@gmail.com

Project Coordinator: Chris Smuts Kennedy
Phone: 027 417 2267 **Email:** smuts@hapl.net

Project Description: Translocation of 20 birds from Little Barrier Island to Maungatoutori Ecological Island. Comprised 3 adult females, 6 adult males, 4 juvenile females and 7 juvenile males.
Laboratory Case # 08A35766

Tests Summary: Physical exam plus Total White Blood Cell count and differential and cloacal swab for culture of Salmonella and Yersinia

Results Summary: All negative for Salmonella and Yersinia. See individual blood smear results.
21 birds were screened for physical exam and haematology but only 20 birds translocated.
Surplus bird (C75627) was released on LBI.

Contributors:

Class: Birds (Aves)

Common Name	Taxonomic Name	Count
Stitchbird	*Notiomystis cincta*	21

Number of Animal Profiles in Class: **21**

Total Number of Animal Profiles in all Classes: **21**

Surveillance Project: Otago Skinks Wild to Captive Translocation 2009

Organisation: DOC - Grand and Otago Skink Recovery Programme
Contract No: N/A
Project Start Date: 01/01/2009 **Project End Date:** 01/04/2009
Project Supervisor: Andy Hutcheon
Phone: 03 474 6925 **Email:** ahutcheon@doc.govt.nz
Project Coordinator: Les Judd
Phone: **Email:** ljudd@doc.govt.nz
Project Description: Wild caught Otago skinks were housed in quarantine for 12 weeks prior to transfer into captive to form part of the GAOS captive management programme. While in quarantine they were treated for ectoparasites and tested for Salmonella, Cryptosporidium and blood parasites.
Tests Summary: Salmonella culture, cryptosporidium, haemoparasite (results for haemoparasites not provided)
Results Summary: Two animals positive for Salmonella
Contributors:

Class: Reptiles (Reptilia)

Common Name	Taxonomic Name	Count
Otago Skink	*Oligosoma otagense*	5

Number of Animal Profiles in Class: **5**

Total Number of Animal Profiles in all Classes: **5**

Surveillance Project: Otago Skink Translocation to Mokomoko 2009

Organisation: Central Otago Ecological Trust
Contract No: N/A
Project Start Date: 01/10/2009 **Project End Date:** 01/11/2009
Project Supervisor: Grant Norbury
Phone: 03 440 2936 **Email:** Norbury.G@landcareresearch.co.nz
Project Coordinator: Les Judd
Phone: **Email:** ljudd@doc.govt.nz
Project Description: Captive Otago skinks were housed in quarantine for six weeks prior to release in the wild in the Mokomoko Dryland Sanctuary. While in quarantine they were tested for Salmonella, Cryptosporidium and blood parasites.
Tests Summary: Salmonella culture from cloacal swab
Cryptosporidium faecal and stomach flush
Haemoparasites
Results Summary: All tests negative
Contributors:

Class: Reptiles (Reptilia)

Common Name	Taxonomic Name	Count
Otago Skink	*Oligosoma otagense*	12

Number of Animal Profiles in Class: **12**

Total Number of Animal Profiles in all Classes: **12**

Surveillance Project: Grand and Otago Skinks - Captive and Wild Health Screen 07 - 08

Organisation: DOC - Grand and Otago Skink Recovery Programme

Contract No: N/A

Project Start Date: 01/11/2007 **Project End Date:** 01/04/2008

Project Supervisor: Andy Hutcheon
Phone: 03 474 6925 **Email:** ahutcheon@doc.govt.nz

Project Coordinator: Les Judd
Phone: **Email:** ljudd@doc.govt.nz

Project Description: Wild grand and Otago skinks were health screened during physical capture in the 07/08 summer. Captive GAOS were also health screened at this time to assess the health of the captive population.

Tests Summary: Salmonella, haemoparasites

Results Summary: 5 wild animals positive to Salmonella, strains saint paul and mississippi
4 wild animals found to have blood parasites

Contributors:

Class: Reptiles (Reptilia)

Common Name	Taxonomic Name	Count
Otago Skink	*Oligosoma otagense*	65
Grand Skink	*Oligosoma grande*	46

Number of Animal Profiles in Class: **111**

Total Number of Animal Profiles in all Classes: **111**

Surveillance Project: Grand and Otago Skink Wild to Captive Translocation 2008

Organisation: DOC - Grand and Otago Skink Recovery Programme
Contract No: N/A
Project Start Date: 01/01/2008 **Project End Date:** 01/05/2008
Project Supervisor: Andy Hutcheon
Phone: 03 474 6925 **Email:** ahutcheon@doc.govt.nz
Project Coordinator: Les Judd
Phone: **Email:** ljudd@doc.govt.nz
Project Description: Wild caught grand and Otago skinks were housed in quarantine for 12 weeks prior to transfer to captivity to form part of the GAOS captive management programme. While in quarantine they were treated for ectoparasites and tested for Salmonella, Cryptosporidium and blood parasites.

Tests Summary: Salmonella, Cryptosporidium, blood parasites
Results Summary: 4 animals positive for Salmonella strains saint paul and mississippi
Contributors:

Class: Reptiles (Reptilia)

Common Name	Taxonomic Name	Count
Otago Skink	*Oligosoma otagense*	12
Grand Skink	*Oligosoma grande*	12

Number of Animal Profiles in Class: **24**

Total Number of Animal Profiles in all Classes: **24**

Surveillance Project: Grand and Otago Skinks (Western) Wild to Captive Translocation 2010

Organisation: DOC - Grand and Otago Skink Recovery Programme
Contract No: N/A
Project Start Date: 01/01/2010 **Project End Date:** 01/03/2010
Project Supervisor: Andy Hutcheon
Phone: 03 474 6955 **Email:** ahutcheon@doc.govt.nz
Project Coordinator: Les Judd
Phone: **Email:** ljudd@doc.govt.nz
Project Description: Grand and Otago skinks were housed in quarantine for 12 weeks after collection from the wild for transfer to captivity. While in quarantine they were treated for external parasites and tested for Salmonella, Cryptosporidium and blood parasites
Tests Summary: Salmonella, Cryptosporidium and blood parasites
Results Summary: All negative
Contributors:

Class: Reptiles (Reptilia)

Common Name	Taxonomic Name	Count
Otago Skink	*Oligosoma otagense*	3
Grand Skink	*Oligosoma grande*	5

Number of Animal Profiles in Class: **8**

Total Number of Animal Profiles in all Classes: **8**

Surveillance Project: Tiritiri Matangi Disease Screening Project

Organisation: University of Auckland

Contract No: n/a

Project Start Date: 01/06/2001 **Project End Date:** 01/05/2004

Project Supervisor: Kevin Parker
Phone: 021 701 639 **Email:** k.parker@massey.ac.nz

Project Coordinator: Kevin Parker
Phone: **Email:**

Project Description: A short investigation into pathogen prevalence in passerines (fernbird x 3, Tui x 7, Bellbird x 8, Robin x 2, Whitehead x 4) on Tiritiri Matangi. Published in Pacific Conservation Biology 2006, 12: 155-62

Tests Summary: Blood smears for blood parasite screen, WBC estimate and differential. Cloacal swabs for Yersinia, Salmonella, Campylobacter. Faecal samples for coccidia. Physical exam for avian pox.

Results Summary: 137 examined for pox - no detection (25 fernbirds, Orewa; 35 tomtits, Hunua; 10 bellbirds, 7 tui, 45 robins, 14 whiteheads and 1 starling, Tiritiri Matangi)
40 blood smears (7 fernbirds, Orewa; 8 bellbirds, 7 tui, 10 robins, 7 whiteheads, 1 starling, TTM) - 1 NI robin positive for Haemoproteus
39 swabs for Yersinia and Salmonella (4 fernbirds, Orewa; 6 tomtits, Hunua; 4 bellbird, 5 tui, 10 robins, 8 whiteheads, 1 starliing, TTM) - all negative
24 swabs for Campylobacter (8 tomtits, Hunua; 10 robins, 8 whiteheads, TTM) - all negative
28 faecals for coccidia (4 fernbirds, Orewa; 6 tomtits, Hunua; 10 robins, 8 whiteheads, TTM) - 1 fernbird positive

Contributors:

Class: Birds (Aves)

Common Name	Taxonomic Name	Count
Fernbird	*Bowdleria punctata*	3
Whitehead	*Mohoua albicilla*	4
North Island Robin	*Petroica australis longipes*	2
Bellbird	*Anthornis melanura melanura*	8
Tui	*Prosthemadera novaeseelandiae novaeseelandiae*	7

Number of Animal Profiles in Class: **24**

Total Number of Animal Profiles in all Classes: **24**

Surveillance Project: Bellbird Translocation from Tiritiri Matangi to Motuihe, Waiheke, Hamilton

Organisation: Auckland Regional Council & Landcare Research

Contract No: n/a

Project Start Date: 02/05/2010 **Project End Date:** 23/05/2010

Project Supervisor: Tim Lovegrove and Kevin Parker
Phone: 09 366 2000 ext **Email:** tim.lovegrove@aucklandcouncil.govt.nz

Project Coordinator: Time Lovegrove and Kevin Parker
Phone: 021 701 639 **Email:** k.parker@massey.ac.nz

Project Description: Bellbirds translocated from Tiritiri Matangi to Motuihe Island, Waiheke Island and Hamilton City.

Tests Summary: 89 clocal swabs cultured for Salmonella and Yersinia in pools of 8; 30 blood smears for WBC estimates and differential. These birds are a sub-sample of 100 translocated birds.

Results Summary: One pool positive for Yersinia enterocolitica - birds held and treated.

Contributors:

Class: Birds (Aves)

Common Name	Taxonomic Name	Count
Bellbird	*Anthornis melanura melanura*	61

Number of Animal Profiles in Class: **61**

Total Number of Animal Profiles in all Classes: **61**

Surveillance Project: Saddleback Transfer Mokoia - Orana

Organisation: DOC and Orana Wildlife Trust

Contract No: n/a

Project Start Date: 20/06/2008 **Project End Date:** 04/07/2008

Project Supervisor: Tara Atkinson
Phone: 03 359 7109 **Email:** tara@oranawildlifepark.co.nz

Project Coordinator: Andrew Grant
Phone: 03 371 3717 **Email:** Agrant@doc.govt.nz

Project Description: Wild to captive transfer of female saddleback from Mokoia Island to Orana Wildlife Park

Tests Summary: Faecal egg count, enteric screen (campylobacter, salmonella and yersinia), blood parasites and haematology

Results Summary: All findings normal or negative except for FEC which was positive for moderate amounts of coccidia

Contributors:

Class: Birds (Aves)

Common Name	Taxonomic Name	Count
Saddleback	*Philesturnus carunculatus*	1

Number of Animal Profiles in Class: **1**

Total Number of Animal Profiles in all Classes: **1**

Surveillance Project: Oparara-Ugly Whio Security Site

Organisation: DOC
Contract No: n/a
Project Start Date: 01/07/2010 **Project End Date:** 30/06/2011
Project Supervisor: Julie Geritzlehner
Phone: 03 788 8017 **Email:** jgeritzlehner@doc.govt.nz
Project Coordinator:
Phone: **Email:**
Project Description: Five whio eggs were removed from a nest, transferred to Peacock Springs and incubated. The five fledglings were translocated and released back into the Oparara.
Tests Summary: 2 x faeces for faecal egg count
5 x cloacal swabs for Yersinia culture
Results Summary: All clear
Contributors:

Class: Birds (Aves)

Common Name	Taxonomic Name	Count
Blue Duck	*Hymenolaimus malacorhynchos*	5

Number of Animal Profiles in Class: **5**

Total Number of Animal Profiles in all Classes: **5**

Surveillance Project: Snares Island Health Survey

Organisation: DOC
Contract No: n/a
Project Start Date: 01/11/2004 **Project End Date:** 24/12/2004
Project Supervisor: Kate McInnes
Phone: 04 495 8604 **Email:** kmcinnes@doc.govt.nz
Project Coordinator:
Phone: **Email:**
Project Description: Health survey of sooty shearwaters (titi) and Snares crested penguins on Snares island.
Tests Summary: Cloacal culture, white cell count and differential, faecal egg count, blood biochemistry.
Results Summary: Nothing abnormal detected
Contributors:

Class: Birds (Aves)

Common Name	Taxonomic Name	Count
Snares Crested Penguin	*Eudyptes robustus*	20
Sooty Shearwater	*Puffinus griseus*	20

Number of Animal Profiles in Class: **40**

Total Number of Animal Profiles in all Classes: **40**

Surveillance Project: Puketi Robin Translocation

Organisation: Puketi Forest Trust
Contract No: n/a
Project Start Date: 04/04/2009 **Project End Date:** 05/04/2009
Project Supervisor: Kevin Parker
Phone: +64 21 701 639 **Email:** reintroductionbiologist@gmail.com
Project Coordinator: Gary Bromley
Phone: +64 211 704 165 **Email:** Gary.Bromley@mitchellpartnerships.co.nz
Project Description: Pre-translocation health screening of robins at Rangitoto Station for future translocation to Puketi Forest. 13 adults (8male, 5 female), 11 juveniles (<1 year; 9 male, 2 female)

NOTE: Rangitoto Station Reserve lies high up on the Rangitoto Range in the King Country, south-east of Otorohanga. It is a 427ha block of regenerating bush surrounded on all sides by protected mature forest, including Pureora Forest Park, private reserves and Maori Trust land. (http://www.nznfrt.org.nz/index.php?page_id=95)

Tests Summary: 24 x WBC estimate and differential and blood parasite screen
24 x cloacal swabs in 9 pools (2-3 swabs per pool)
22 x faecal samples in 5 pools (5 birds per pool) for coccidia

Results Summary: All tests negative; WBC estimates and differentials included.
Contributors:

Class: Birds (Aves)

Common Name	Taxonomic Name	Count
North Island Robin	*Petroica australis longipes*	24

Number of Animal Profiles in Class: **24**

Total Number of Animal Profiles in all Classes: **24**

Surveillance Project: Black Stilt Recovery Programme (1)

Organisation: DOC - Twizel

Contract No:

Project Start Date: 03/01/2010 **Project End Date:** 19/04/2010

Project Supervisor: Liz Brown
Phone: 03 435 0715 **Email:** lbrown@doc.govt.nz

Project Coordinator: Dean Nelson
Phone: 03 435 0802 **Email:** dnelson@doc.govt.nz

Project Description: Pre-release screening for juveniles to be released in the Ahuriri Valley. Pooled samples taken from aviaries A1, A2, A3, B2, B3 and C6A

Tests Summary: Parasitolog - coccidia, cryptosporidium, cestodes, capillaria, trematodes
Microbiology - Salmonella, Campylobacter and Yersinia

Results Summary: No coccidia or cryptosporidia; Fasciola eggs present in B3 and C6A aviaries; very low numbers of Capillaria eggs present in A2 and B3 aviaries.
No salmonella, yersinia or campylobacter isolated.

Contributors:

Class: Birds (Aves)

Common Name	Taxonomic Name	Count
Black Stilt	*Himantopus novaezelandiae*	6

Number of Animal Profiles in Class: **6**

Total Number of Animal Profiles in all Classes: **6**

Surveillance Project: Black Stilt Recovery Programme (2)

Organisation: DOC - Twizel

Contract No: n/a

Project Start Date: 03/03/2010 **Project End Date:** 01/04/2010

Project Supervisor: Liz Brown
Phone: 03 435 0715 **Email:** lbrown@doc.govt.nz

Project Coordinator: Dean Nelson
Phone: 03 435 0802 **Email:** dnelson@doc.govt.nz

Project Description: Routine post-breeding season parasitology and microbiology analysis for all captive kaki held in Twizel. Pooled samples taken from each aviary.

Tests Summary: Parasitolgy - coccidia, cryptosporidium, cestodes, capillaria, trematodes.
Microbiolog - Salmonella, Campylobacter, Yersinia

Results Summary: No coccidia or cryptosporidia
All aviaries presented Fasciola eggs except C2 and view
Low or very low numbers of capillaria eggs found in 11 out of 18 aviaries
No Salmonella, Yersinia or Campylobacter isolated.

Contributors:

Class: Birds (Aves)

Common Name	Taxonomic Name	Count
Black Stilt	*Himantopus novaezelandiae*	22

Number of Animal Profiles in Class: **22**

Total Number of Animal Profiles in all Classes: **22**