

## **Research Projects at Wildwood Trust 2002-2009**

### **2002**

Environmental Concerns and Travel Planning Survey: Visitors to Wildwood  
- Increasing Numbers and the Quality of their Experience

Kuniko Tamura

MSc, Conservation and Tourism

Durrell Institute of Conservation and Ecology, University of Kent, Canterbury

### **2003**

Habitat Selection by Pine Marten in Commercial Forestry in South-East Ireland  
(*pilot study at Wildwood*)

Alexander Butler

MSc, Conservation Biology,

Durrell Institute of Conservation and Ecology, Kent University, Canterbury

### **2004**

Use of PCR amplification and restriction enzyme digestion of mitochondrial D-loop for identification of mustelids in Ireland (*DNA trials at Wildwood*)

Statham, M., Turner, P.D., and O'Reilly, C.

Department of Chemical and Life Sciences, Waterford Institute of Technology, Eire

Dietary Preferences in the Water Vole

Karran Danks

BSc Zoology

University of Derby

### **2005**

The evaluation of bait marking as a method of delineating pine marten *Martes martes* territories in South-East Ireland (*pilot study at Wildwood*)

Anand Chandrasekhar

MSc, Conservation Biology,

Durrell Institute of Conservation and Ecology, Kent University, Canterbury

A comparison of the activity patterns of two species of captive mustelids: *Mustela putorius* and *Martes martes* with reference to the incidence of stereotypies

Felicity Clarke

BSc

Swansea University

A Study of a Pine Marten – How the Introduction of a Feeding Enrichment Tool Affects Behaviour

Jo Didcock

HND, Animal Management

Canterbury College

The Impact of Wild Horses on Invertebrates in Reed Bed Ecology

Faye Northover

BSc, Animal Management

University of Greenwich

A study of a reintroduced population of water voles (*Arvicola terrestris*) in the Mill Stream, East Malling, Kent

Jamie Bowkett

MSc Environmental Conservation Management

University of Glamorgan

## **2006**

An Investigation into the Effects of Captivity on the Social Dynamics of a Grey Wolf *Canis lupus* Pack

Helen Hart

BSc, Animal Management

Hadlow College, Tonbridge

The Difference in Behaviour Expressed by Hand-reared and Mother-reared Wolves at Wildwood

Adele Duxbury

FdSc Conservation and Behaviour

Hadlow College, Tonbridge

Habitat Requirements of the Water Vole (*Arvicola terrestris*): a site-based comparison with implications for the Mill Stream at East Malling

Steven Roach

BSc Wildlife Management

Writtle College

Food Preferences of captive water voles

Hannah Omer

BSc

Canterbury Christ Church University

## **2007**

Ecological and Anthropological Responses towards Grazing by Konik Ponies in Floodplain Meadow

Jennifer Crees

MSc, Conservation Biology

Durrell Institute of Conservation and Ecology, University of Kent, Canterbury

Investigating the impact of grazing on the floristic composition of Hambrook Marshes, with specific reference to the Konik Pony.

Hayley Chambers

BSc (Hons) Wildlife Conservation

Swansea University

The behaviour of captive pine martens *Martes martes* during territory manipulations and the breeding season

Claire Greenhill

MSc, Conservation Biology

Durrell Institute of Conservation and Ecology, University of Kent, Canterbury

Analysis of the Direct Economic Impact of Wildlife Parks: A case study of Wildwood Discovery Park

Magdalena H. Kilasara

MSc, Conservation and Tourism

Durrell Institute of Conservation and Ecology, University of Kent, Canterbury

European Wolves' use of enclosure at Wildwood Trust

Richard Thompson,

ANC (zoo keepers' professional qualification)

Sparsholt College/Drusilla's Zoo

How do zoo grounds contribute to native species and habitat protection?

Eleanor Bunting

MSc, Zoo Conservation Biology

University of Plymouth

Does wild boar rooting behaviour impact soil invertebrates in deciduous coppiced woodlands?

Gail Cobbold

BSc, Wildlife Conservation

University of Plymouth

Efficient species identification of pine marten and red fox scats using a 5' nuclease real-time PCR assay

Catherine O'Reilly, Mark Stratham, Jacinta Mullins, Peter Turner, Declan O'Mahony

Department of Chemical and Life Sciences

Waterford Institute of Technology, Eire

Dietary Preferences of the water vole

Zoe Patient

BSc Biosciences

Department of Geography and Life Sciences, Canterbury Christ Church University

Introduction into the use of an ultrasonic detector as a novel method to establish the presence of Eurasian water shrews (*Neomys fodiens*) in the wild

Sarah Vandome

BSc Animal Management

Sparsholt College

Variation in litter sizes in captive water voles (*Arvicola terrestris*)

Karen Hatch  
FDSc Conservation and Biology  
Hadlow College

A twenty four hour study into the activities of captive water shrews (*Neomys fodiens*)

Claire Louise Ludford  
BSc University of Greenwich

Physiological Consequences of Captive Conditions in Water Voles (*Arvicola terrestris*)

Moorhouse, T.P., Gelling, M., McLaren, G.W., Mian, R., Macdonald, D.W. In  
Journal Of Zoology 271 (1) 19-26,2007  
WildCRU, University of Oxford

## **2008**

The Differences of Environmental Concern and Environmentally Friendly Holiday Travel Planning: Between Sex, Age and, General Public and Nature Visitors

Kyohko Fujishiro  
MSc, Conservation Biology  
Durrell Institute of Conservation and Ecology, University of Kent, Canterbury

The Behaviour of Captive European Polecats (*Mustela putorius*): the Influence of Environmental Enrichment

Alice Britt  
MSc, Conservation and Tourism  
Durrell Institute of Conservation and Ecology, University of Kent, Canterbury

Exploring the differences of behaviour of a pack of captive European wolves before and after feeding

Kane Stockwell  
BSc, Conservation Biology  
Department of Geographical and Life Sciences, Canterbury Christ Church University

Comparison of behaviour between hand-reared and mother-reared European Wolves (*Canis lupus*) at Wildwood Trust (Kent)

Martina Hood  
BSc  
Canterbury Christ Church University

Public perception of Konik horses as part of rewilding and reintroduction of previously present, currently extinct species

Lisa Howell  
PhD  
Royal Holloway, University of London

Comparison of mammal prey items in owl pellets from different habitats

Jennifer Burton

FdSc Animal Conservation and Biodiversity

Hadlow College

The Swimming Behaviour of Captive Water Voles (*Arvicola terrestris amphibius*).

Rosemary C. Talbert

BSc, Canterbury Christ Church University

The feeding preferences of the harvest mouse, *Micromys minutus*, from a selection of invertebrates.

Kelly Smith

BSc, Canterbury Christ Church University

Water vole litter characteristics in captive breeding programme

Cate Faulkes

BSc Animal Management/Applied Animal Behavioural Science and Welfare

Hadlow College

Small Mammals and Dead Hedges: does the presence of dead hedges influence the distribution of small mammals in a coppiced woodland habitat?

Steve Songhurst

BSc Environmental Conservation

Birkbeck College, University of London

## **2009**

The behavioural effect of enriching a European Wolf (*Canis lupus*) enclosure with eucalyptus oil-soaked towels at Wildwood Trust

Richard Andrews

BSc

Biological Science Department of Geographical and Life Sciences, Canterbury Christ Church University

Pine marten courtship – hormonal indicators of receptivity to mating in scats

Alyson Pavitt

BSc

Bangor University

Social hierarchy within a group of Konik Horses containing a stallion

BSc, Animal Cognition

Stephanie Preston & Jennifer Gard

Canterbury Christ Church University

Social Hierarchy in Fallow Deer (*Dama dama*)

Clair Brown, Leah Turtle and Janice Parmenter

BSc, Animal Cognition

Canterbury Christ Church University

Investigating the Effects of Olfactory Enrichment on the Activity and Social Behaviour of Captive Badgers (*Meles meles*).

Martina Jones and Laura Mills

BSc, Animal Cognition

Canterbury Christ Church University

The influences of olfactory enrichment on behaviour in Red Foxes (*Vulpes vulpes*)

Jade Stoakes

BSc, Animal Cognition

Canterbury Christ Church University

Observational study using an activity budget to determine natural behaviour in a wild boar group

Jamie Brazil

BSc, Animal Cognition

Canterbury Christ Church University

Non-invasive genetic identification of small mammal species using real time polymerase chain reaction *in* Molecular Ecology Resources (2008), **8**, 1267-1269 (*pilot study at Wildwood*)

Loran, S., Turner, P.D., and O. Reilly, C.

Department of Chemical and Life Sciences, Waterford Institute of Technology, Eire

Remotely plucked hair genotyping: a reliable and non-invasive method for censusing pine marten (*Martes martes*, L. 1758) populations

Mullins, Jacinta, Statham, Mark J., Roche, Tom, Turner, Peter D., and O'Reilly, Catherine

Department of Chemical and Life Sciences, Waterford Institute of Technology, Eire

Olfactory attractants and repellents for wild boar

Sofia Graham

BSc

University of Reading (submission date April 2010)

A comparison of biodiversity between arboreta/heavily managed woodland and ancient woodland in southern Britain

Julie Ann Langston

BSc, Physical Geography

University of Reading (submission date April 2010)

Freshwater fish/North American mink interactions

Joanna Bagniewska

PhD

WildCRU, Oxford University (in progress)

Dietary preferences of the hazel dormouse *Muscardinus avellanarius*  
Rosanna Vaughan  
BSc Canterbury Christ Church University

Dormouse bridge design and use  
Ian Stride  
Mammals Trust UK funded student Internship

Effects of Habitat Quality Upon Reintroduction Success in Water Voles: Evidence  
from a Replicated Experiment  
Moorhouse, T.P., Gelling, M., Macdonald, D.W.  
2009 Biological Conservation 142 (1). 53-60  
WildCRU, University of Oxford

Water vole growth rates in captivity  
Jo Malpass  
Durrell Institute of Conservation and Ecology, University of Kent, Canterbury

Vibrissal movements of small mammals  
Tony Prescott  
Active Touch Laboratory at Sheffield  
Sheffield University (in progress)

*Small mammal research co-ordinated by Conservation Officer Hazel Ryan*  
*Larger mammal research co-ordinated by Head of Education Anne Riddell*