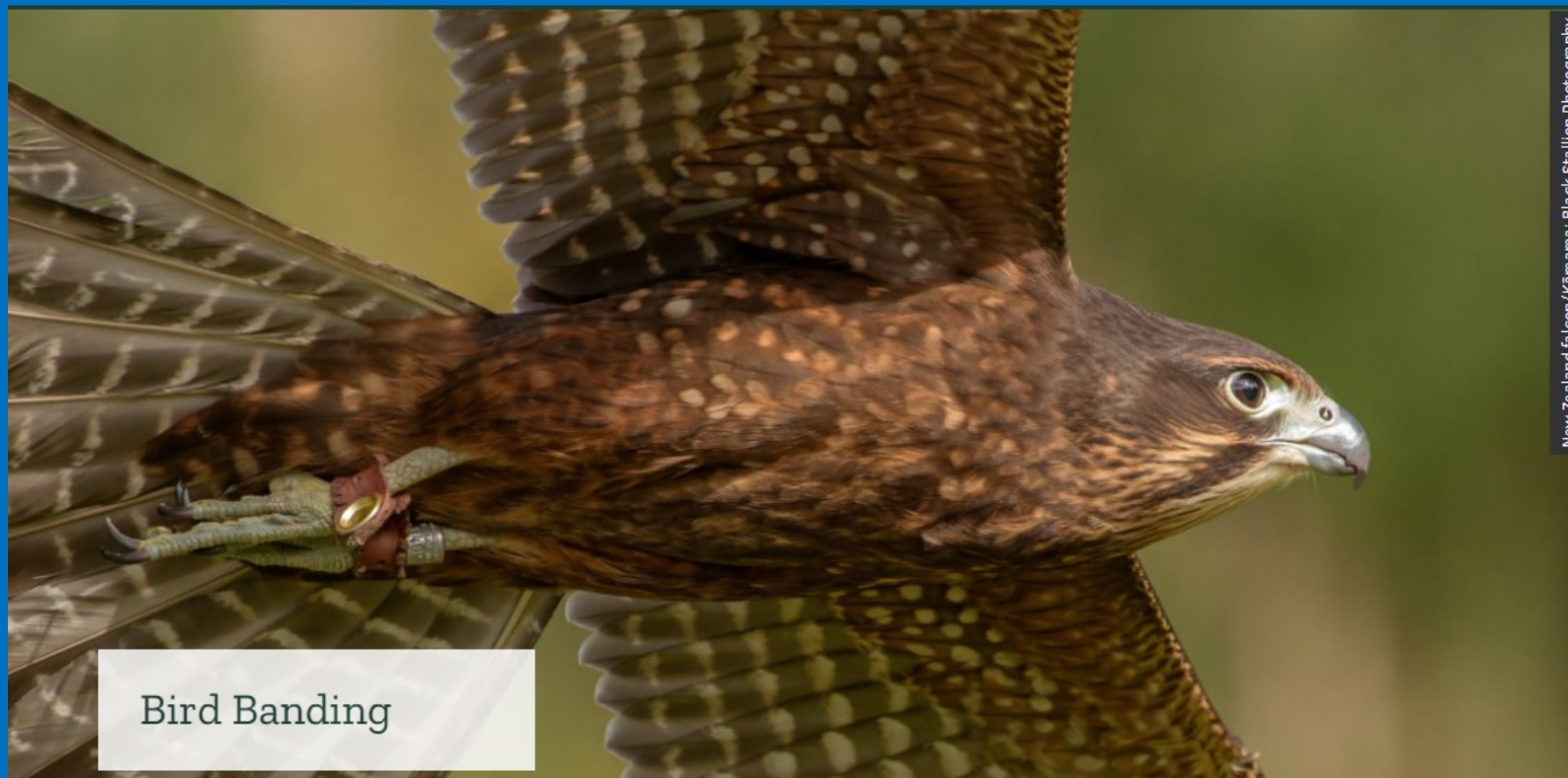
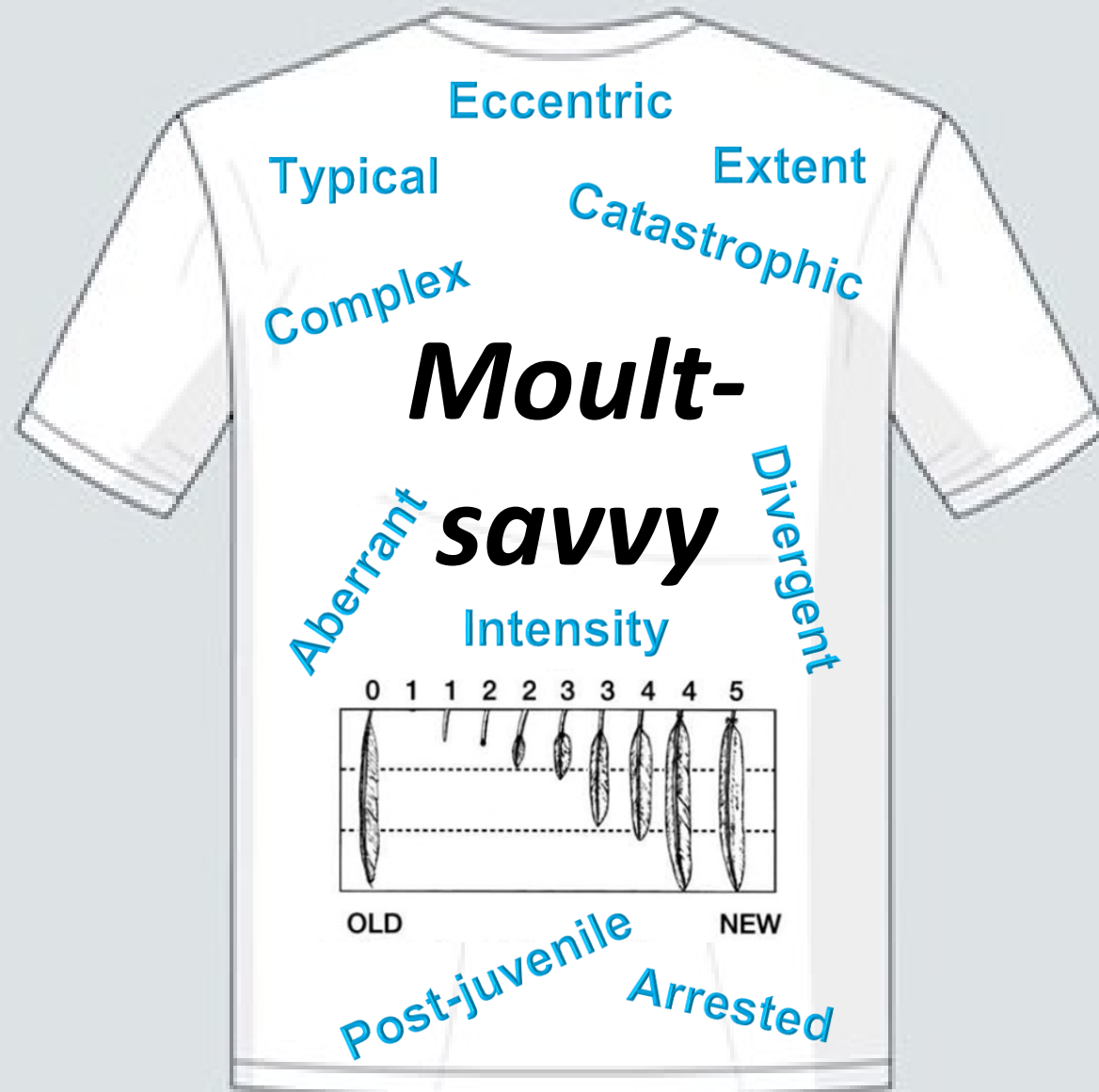




# DOC FALCON database moult recording

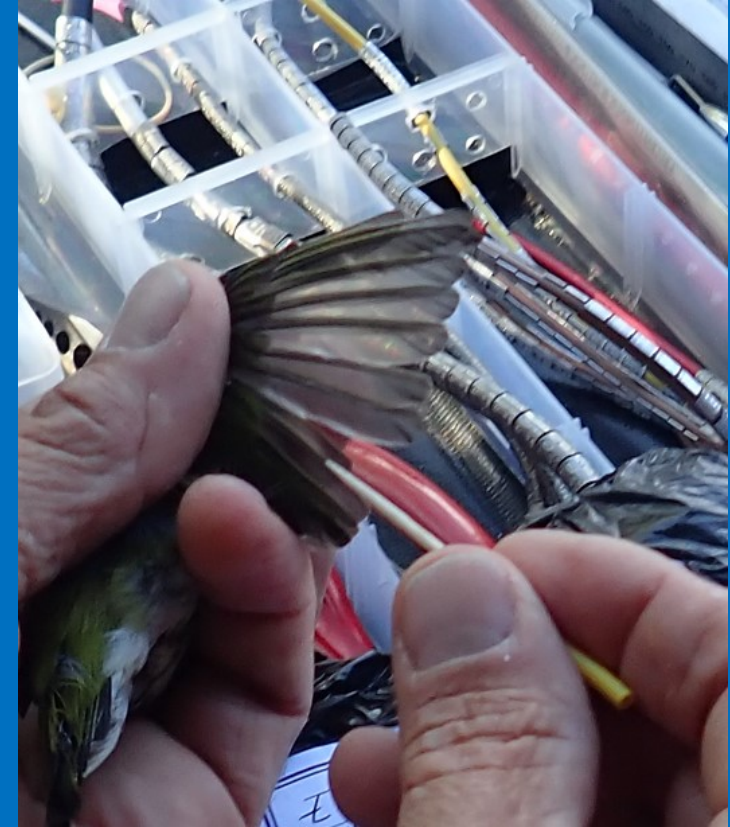




Why?

# Banding and moult

An understanding of moult is essential for the correct ageing of most birds, since all plumage characters, such as colours and shapes of feathers, used for ageing and sexing birds are affected by moult, being different in successive plumages for many species. It is, therefore, of crucial importance to understand the moult cycles of each species if detailed age data are to be collected.





Why?

# Spp, Age, Sex

For banding to have value, it is important that the bird is:

- Identified correctly
- Aged as precisely and accurately as possible
- Sexed if possible

These are the **minimum requirements** for data to be submitted to the Banding Office.

## 8. Bird in the hand

- |     |                 |
|-----|-----------------|
| 8.1 | Identification  |
| 8.2 | Bird morphology |
| 8.3 | Ageing birds    |
| 8.4 | <b>Moult</b>    |
| 8.5 | Sexing birds    |
| 8.6 | Morphometrics   |

### New Zealand National Bird Banding Scheme Bird Bander's Manual

Compiled by David S. Melville

mentions moult  
134 times!

newzealand.govt.nz

Department of  
Conservation  
Te Papa Atawhai

### A guide to ageing and sexing New Zealand passerines

By Mike Bell and Conori Bell



Passerine Banding Group  
Ornithological Society of New Zealand

**BIRDS**  
NEW ZEALAND  
Te Kāhui Mātai Manu o Aotearoa



## Moult Recording Scheme - Birds New Zealand

All moult records should be submitted to the Birds NZ Molt Recording Scheme

Office Use:		<b>N.Z. MOULT CARD</b>	
PLEASE COMPLETE ALL SECTIONS OF CARD			
Species	<input type="text"/>		
District	<input type="text"/>		
Locality	<input type="text"/>		
Date	<input type="text"/> <input type="text"/> <input type="text"/>		Observer <input type="text"/>
Band/ museum number	<input type="text"/>		Sex <input type="text"/> Age <input type="text"/>
CONDITION OF BIRD: (tick) Wild <input type="checkbox"/> Captive <input type="checkbox"/> Living <input type="checkbox"/>			
Museum specimen <input type="checkbox"/> Recently dead <input type="checkbox"/> Long dead <input type="checkbox"/>			
MOULT SUMMARY: (tick) In moult <input type="checkbox"/> Not in moult <input type="checkbox"/>			
WING: Score each Feather 0-5			
Left or right ? <input type="checkbox"/> 0 = old feather remaining 1 = missing or new feather completely in pin 2 = New feather emerging and up to 1/3 grown 3 = between 1/3 and 2/3 grown 4 = from 2/3 to fully grown, but sheath still present 5 = fully grown with no sheath remaining			
Tertials      Secondaries      Primaries      Outer wing →			
9 8 7      6 5 4 3 2 1      1 2 3 4 5 6 7 8 9 10			
Inner Tertials (continue in Comments section if > 29 secondaries):			
29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10			
TAIL: Left half of tail      Score each feather 0 - 5      Right half of tail			
6 5 4 3 2 1      1 2 3 4 5 6			
COVERTS AND REST OF PLUMAGE: Score each region			
Bastard wing	<input type="checkbox"/>	Underwing coverts	<input type="checkbox"/> Head <input type="checkbox"/>
Primary coverts	<input type="checkbox"/>	Uppertail coverts	<input type="checkbox"/> Undertail coverts <input type="checkbox"/>
Greater coverts	<input type="checkbox"/>	Upperparts	<input type="checkbox"/> Underparts <input type="checkbox"/>
Lesser and median coverts	<input type="checkbox"/>	Score: 0 = All old      3 = Middle      5 = All new 2 = Beginning      4 = Ending	
COMMENTS:			



FALCON can be used for some moult info  
for marked birds only:


- ✓ 1-10 Primary wing moult scores
- ✓ Molt notes
- ✓ Feather wear
- ✓ Brood patch
- ✓ Other info: if consistently recorded  
(agreed with Molt Convenor), then we  
can use additional fields to record more  
molt info in a standardised format.

Where??

The Banding Office will share  
these records with the Birds  
NZ Molt Recording Scheme



# How?





Department of Conservation  
 Te Papa Atawhai

Bird Banding

Dashboard
 

Data Uploads
 View Data
 Stock


 Add Record


 Upload spreadsheet

[Data BOX](#)  
[v.FALCON.1x](#)

# Data in

MOULT SCORE 1

MOULT SCORE 2

MOULT SCORE 3

MOULT SCORE 4

MOULT SCORE 5

MOULT SCORE 6

MOULT SCORE 7

MOULT SCORE 8

MOULT SCORE 9

MOULT SCORE 10

MOULT DESCRIPTION

Web-form

Choose a new
 Add a detail...

WEAR PRIMARIES

 ×

BROOD PATCH

 ×

PLUMAGE

 ×


OTHER DETAIL

 ×

P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	Moult_notes
0	0	0	0	0	0	0	0	0	0	Not in moult, worn primaries
5	5	5	5	5	5	5	5	5	5	Not in moult, fresh primaries
5	5	5	5	5	5	5	5	5		complete primary moult
5	5	4	3	2	0	0	0	0	0	Central tail 104mm, other tail feathers recent growth
5	5	5	5	5	5	3	2	1		secondaries 554005 (left wing); tail new feathers
5	5	5	5	5	5	5	3	2	1	Post breeding moult
0	5	5	5	5	5	5	5	5	5	almost completed full juvenile moult; belly and head feathers still growing in
5	5	5	5	5	4	0	0	0	x	secondaries 510000, tertiaries 555
5	5	5	5	5	5	3	2	1		secondary 5,5,5,5,5,5,5, tertiaries T7-T9 new feathers, tail growing all feathers

# Excel spreadsheet


How?




Department of Conservation  
*Te Papa Atawhai*

**Bird Banding**

DashboardData UploadsView Data

 Search events


 My exports (15)

Count/Export

Basic search

Advanced search

Data out

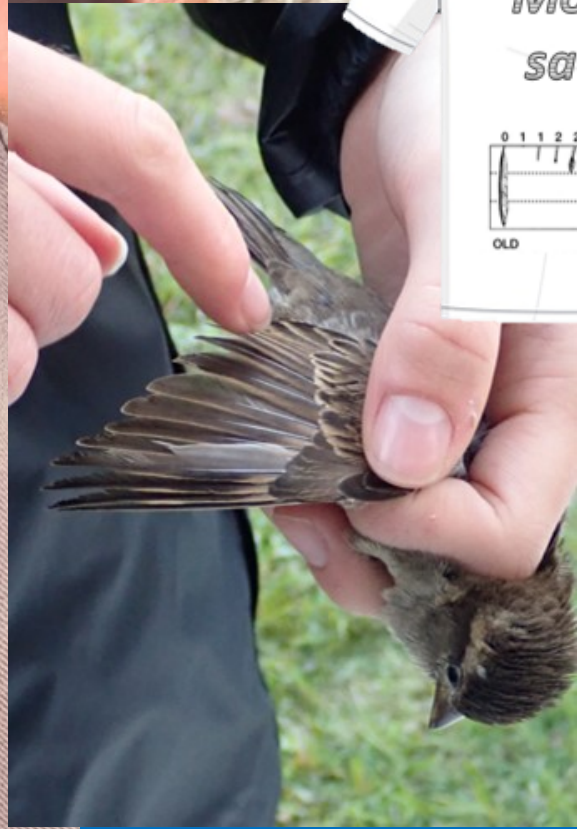
Latest export	Progress	Status	Size	
27 Jan 2025 @ 20:35:42		Available For Download	1745.567KB	<div>Download</div>

detail_characteristic_measurements	moult_score
moult notes:Not in moult, worn primaries, brood patch:Yes	0,0,0,0,0,0,0,0,0,0
moult notes:Not in moult, fresh primaries, brood patch:No	5,5,5,5,5,5,5,5,5,5
moult notes:complete primary moult	5,5,5,5,5,5,5,5,5,
moult notes:Central tail 104mm, other tail feathers recent growth	5,5,4,3,2,0,0,0,0,0
body condition:fresh plumage in moult	5,5,5,5,5,5,3,2,1,
moult notes:Post breeding moult	5,5,5,5,5,5,5,3,2,1
moult notes:almost completed full juvenile moult; belly and head feathers still growing in	0,5,5,5,5,5,5,5,5,5
moult notes:secondaries 510000, tertiaries 555	5,5,5,5,5,4,0,0,0,x
moult notes:secondary 5,5,5,5,5,5, tertiaries T7-T9 new feathers, tail growing all feathers	5,5,5,5,5,5,3,2,1,
body condition:fresh body plumage in moult	











How?

# FALCON demo



Bird Banding

New Zealand falcon/Kārearea : Black Stallion Photography

[app.birdbanding.doc.govt.nz](http://app.birdbanding.doc.govt.nz)

