

RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

processing time: 07:50 - 08:40

time trap set: 07:32

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	25/9/20	Rangitata River	RTRV01	07:41	08:40	David M.	David M.	David M.
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	
	T2052	Orange	YT2	C1774F13	N	N		
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	+ mid toe
	555	45	95	15.7	13.1	270	92	
MORPHOLOGY & MOULT	Bill shape ²	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Not recorded	Bright orange	Pink	Scarlet	Small fleck	Y		
COMMENTS	NM did GPS attachment (filmed). Backpack harness, polyester cord.					CP bands used: CP16568 - 16567 - 16566 - 16565		
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
25/9/20	Rangitata River	RTRV17		13:53	14:25	David M.	David M. Nikki McA	Nikki McA
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	
	T2053	Orange	YT3	6272	N	N		
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	545	45	81	14.5	12.4	267	92	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Not recorded	bright orange	Pink - cord	Scarlet	fleck	Y		
COMMENTS	time trap set: 13:25 processing time: 14:08-14:20 weight of bird + tx + bag = 550g							

Nikki attached GPS - leg loop harness, elastic cord

² Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral - purple

1° Wear: Fresh / Slight / Moderate / Very / Very

RANGITATA / RAKAIĀ SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA								
Date	Site	Nest	Time caught	Time released	Scribe	Handler	Band No.	METADATA
22 Sep 2010	RTF M	10	1350	1427	D Melville	D Thamas	T 2091	DATA
236	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA
COMMENTS								
MARKING AND SAMPLING								
Date	Site	Nest	Time caught	Time released	Scribe	Handler	Band No.	METADATA
COMMENTS								
MORPHOMETRICS								
Weight (g)	Bill length (Bag)	Bill depth (Exp. culmen)	Bill width (At base)	Wing length (Flat + straglght)	Tarsus Length (1 mm)			
MORPHOLOGY & MULT								
Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris flesck ¹	Iris Photo ID	1° wear ¹	1° molt	
COMMENTS								

1 Bill shape: Pointed / Intermediate / Blunt
 2 Iris colour: Brown / Brown-orange / Orange / Orange-red // Dull orange / Orange-orange / Red-orange / Red-red // Red / Bright red
 3 Iris colour: Pale orange, brown tip / Orange / Bright orange
 Leg colour: Grey / Light pink / Pink / Coral - purple
 4° Wear: Fresh / Slight / Moderate / Very / VERY

METAL (L) FLAG (R)

RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	18 Sept 2020	RT Farm	RTFM 04	1234	14:10	AS	DM	NM
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	
	T2100	ORANGE	YPO	C7774F13	N	-	A	
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	510	50	71 mm	14.0 mm	12.2 mm	255 mm NM	87 mm	
MORPHOLOGY & MOULT	Bill shape ²	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Pointed	bright orange	Pink	scarlett	slight			
COMMENTS	Weight with tag/bands: 525		Backpack harness (Mitsar)		EW			
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	18/9/2020	RT Farm	RTFM 19	16:50	17:35	AS	DM	NM
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	
	T2099	ORANGE	YPI	DC7774F13	N	Y	A	
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	620	47	93 mm	15.8 mm	13.5 mm	249 mm NM	89 mm	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
					Fleck			
COMMENTS	Weight with tag/bands: 620		Backpack harness (Mitsar) EW					
L had two shits								

² Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY

RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

Metka (L) Tag (R)

METADATA								
Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander	
19/9/20	RT Farm	RTM01	9.15	9.58	AS	DM	DM	
MARKING AND SAMPLING								
Band No.	Flag colour	Flag code	GPS tag ID	Blood sample?	Faecal sample?	(Y/N)	Age	
19/9/2020	Rangitata farm	RTFM02	11.30	12.15	AS	DM	DM	
METADATA								
Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander	
19/9/2020	Rangitata farm	RTFM02	11.30	12.15	AS	DM	DM	
COMMENTS								
Black pacific haw (NM) -> wing + tail tag = 510								
METADATA								
Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander	
19/9/2020	Rangitata farm	RTFM01	9.15	9.58	AS	DM	DM	
MARKING AND SAMPLING								
Band No.	Flag colour	Flag code	GPS tag ID	Blood sample?	Faecal sample?	(Y/N)	Age	
19/9/2020	Rangitata farm	RTFM01	9.15	9.58	AS	DM	DM	
COMMENTS								
Black pacific haw (NM) -> wing + tail tag = 510								
MORPHOLOGY &								
Bill shape ₁	Bill colour ₁	Leg colour ₁	Iris colour ₁	Iris flesck ₁	Iris Photo ID	1° wear ₁	1° molt	
570	45	94	15.2	12.9	230	97		
MORPHOMETRICS								
Weight (Bird + Bag)	Weight (Bag)	Bill length (Exp. culmen)	Bill width (At base)	Wing length (Flat + straignt)	Tarsus length (1 mm)			
(1 gm)	(1 gm)	(1 gm)	(0.1 mm)	(0.1 mm)	(1 mm)			
MORPHOLOGY &								
Bill shape ₂	Bill colour ₂	Leg colour ₂	Iris colour ₂	Iris flesck ₂	Iris Photo ID	1° wear ₂	1° molt	
570	45	94	15.2	12.9	230	97		
MORPHOMETRICS								
Weight (Bird + Bag)	Weight (Bag)	Bill length (Exp. culmen)	Bill width (At base)	Wing length (Flat + straignt)	Tarsus length (1 mm)			
(1 gm)	(1 gm)	(1 gm)	(0.1 mm)	(0.1 mm)	(1 mm)			
MORPHOLOGY &								
Bill shape ₃	Bill colour ₃	Leg colour ₃	Iris colour ₃	Iris flesck ₃	Iris Photo ID	1° wear ₃	1° molt	
570	45	94	15.2	12.9	230	97		
MORPHOMETRICS								
Weight (Bird + Bag)	Weight (Bag)	Bill length (Exp. culmen)	Bill width (At base)	Wing length (Flat + straignt)	Tarsus length (1 mm)			
(1 gm)	(1 gm)	(1 gm)	(0.1 mm)	(0.1 mm)	(1 mm)			
COMMENTS								
Black pacific haw (NM) -> wing + tail tag = 510								

iris Fleck: No / Slight / Flick Bill colour: Pale orange, brown tip / Orange Leg colour: Grey / Light pink / Pink / Coral - purple 1° Wear: Fresh / Slight / Moderate Very / VERY
 Iris colour: Brown / Brown-orange / Orange-red // Dull orange / Orange-red-orange / Red-red // Red / Bright red Scarlet
 1 Bill Shape: Pointed / Intermediate / Blunt Iris colour: Brown / Brown-orange / Orange-red // Dull orange / Orange-red-orange / Red-red // Red / Bright red Scarlet

RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	20/9/2020	RT farmland	RTFM-13	14:00	14:30	AS	DM	AS
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Already banded
	H37115	white	A19	6112	N	N		
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	540	42	81	14.5	12.6	269	92	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Pointed	Bright orange	Coral - purple	Bright red scarlet	Slight	Y		
COMMENTS	Recapture slightly worn of colour flag - Retightened metal band							
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	20/9/2020	RT farmland	RTFM-06	15:00	15:38	NM	DM	AS
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	
	T2092	Orange	YP8	6201	N	N		
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	530	47	85	14.6	12.4	263	87	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Pointed	Bright orange	Coral	scarlet	Slight			
COMMENTS	Elastic leg loop harness (NM) Bag weight + bird + band + tag = 540							

¹ Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY

RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY							
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler
	20/9/2020	RT farmland	RTFM-15	10:25	10:55	AS	DM
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample?	Faecal sample?	Age
	T20q4	Orange	YF6	6237 Dru	N	N	A
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler
	20/9/20	RT farmland	RTFM-14	11:40	12:45	AS/EM	DM
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample?	Faecal sample?	Age
	T20q3	Orange	YF3	6130 Dru	N	N	A
MORPHOMETRICS	Weight	Bill length (Bag)	Bill depth (Exp. culmen)	Bill width (At base)	Wing length (Flat + straight)	Tarsus length	
	(1 gm)	(Bag)	(Exp. culmen)	(At base)	(1 mm)	(1 mm)	
MORPHOLOGY & MOLT	Bill shape ₁	Bill colour ₁	Leg colour ₁	Iris colour ₁	Iris flesck ₁	Iris Photo ID	1° wear ₁
	S28	AS	WWW 83	WWW 14.3	WWW 15.1	263	90
MORPHOMETRICS	Weight	Bill length (Bag)	Bill depth (Exp. culmen)	Bill width (At base)	Wing length (Flat + straight)	Tarsus length	
	(1 gm)	(Bag)	(Exp. culmen)	(At base)	(1 mm)	(1 mm)	
MORPHOLOGY & MOLT	Bill shape ₂	Bill colour ₂	Leg colour ₂	Iris colour ₂	Iris flesck ₂	Iris Photo ID	1° molt
	Painkeld	Brown grey	Grey	Coral	Scalp	Flask	
COMMENTS	NM put on harness, EW superfluous Log loop Bird + bands + Dog + harness = 565 plastic bag measured 585g						
	NM put on harness, EW superfluous Log loop						

Flesck

No / Slight / Flesck

Bill colour: Pale orange, brown tip / Orange / Light pink / Pink / Coral - purple

Leg colour: Grey / Light pink / Pink / Coral - purple

Wear:

Fresh / Slight / Moderate Very / VER

Iris colour: Brown / Orange-red // Orange-red // Red-orange / Red // Red / Bright red Scarlet

2 Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Orange-brown // Orange / Orange-red // Red-orange / Red // Red / Bright red Scarlet

Iris colour: Pale orange, brown tip / Orange / Light pink / Pink / Coral - purple

RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY



METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	19/9/20	Rangitata farm	RTFM-07	15:10	15:55	AS	DM	DM
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	
	T2096	Orange	Y94	00704F13	N	N	A	
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	485	530	45	83	14.0	12.9	259	93
MORPHOLOGY & MOULT	Bill shape ²	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Pointed	Bright orange	Coral - Purple	Bright red Scarlet	No			
COMMENTS	Backpack harness (NM) weight with tag/band: 540 (with bag)							
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	19/09/20	Rangitata farm	RTFM-12	16:45	17:20	EW	DM	DM
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	
	T2095	Orange	YPS	DB774F13	N	N	A	
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	578	44	91	14.9	12.3	252	93	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Pointed	Brown orange	Coral pink	Scarlet	Yes	On DM's camera		
COMMENTS	Backpack harness (NM) weight with tag + bag: 590g							
Festy bird Eggs pipping.								

² Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY

RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

COMMENTS								
MORPHOLOGY & MORPHOMETRICS								
Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris flesk ¹	Iris Photo ID	1° wear ¹	1° molt	
Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus length (1 mm)			
Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (y/N)	Faecal sample? (y/N)	Age		
METADATA								
Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander	
COMMENTS								
Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris flesk ¹	Iris Photo ID	1° wear ¹	1° molt	
Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus length (1 mm)			
Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (y/N)	Faecal sample? (y/N)	Age		
METADATA								
Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander	
COMMENTS								
Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris flesk ¹	Iris Photo ID	1° wear ¹	1° molt	
Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus length (1 mm)			
Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (y/N)	Faecal sample? (y/N)	Age		
SAMPLES								

iris Flesk: No / Slight / Flesk Bill colour: Pale orange, brown tip / Orange / Bright orange Leg colour: Grey / Light pink / Pink / Coral – purple 1° Wear: Fresh / Slight / Moderate Very / VERY
 1° Bill Shape: Pointed / Intermediate / Blunt Irids colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

Time trap set: 13:00

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	24/9/2020	Rangitata farm	ATFM05	13:12	13:40	David Metville	DM / NM	Nikki McArthur
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	
	T2051	Orange	YTI	—	—	—	—	
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	mid toe
	520	45	79	15.4	13.3	262	91	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Pointed	Bright orange	Pink	Scarlet	Slight	Y		
COMMENTS								
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
COMMENTS								

¹ Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY

RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA									COMMENTS												
Date	Site	Nest	Time caught	Time released	Scribe	Handler	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Facal sample? (Y/N)	Age	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample?	Facal sample?	Age	Comments
26/9/2020	RT farmland	RTFM 20	07:30	07:55	Nikki MCA.	David T	2654	Orange	YTL	None	N			260	Orange	90	16:0	14:7	268	93	
26/9/2020	RT farmland	RTFM 20	07:55	Nikki MCA.	David T		2655	Orange	YTL	None	N			550	Orange	94	12:5	14:7	262	94	
26/9/2020	RT farmland	RTFM10	09:37	Nikki MCA	David Thomas									560	Orange	94	14:7	262	94		
MARKING AND SAMPLING									MORPHOMETRICS												
Band No.	Flag colour	Flag code	Blood sample?	Facal sample?	Age				Weight (Bird + Bag) (g)	Bill length (Exp. culmen) (mm)	Bill depth (At base) (mm)	Wing length (At base) (mm)	Tarsus length + mid toe (mm)		Weight (Bird + Bag) (g)	Bill length (Exp. culmen) (mm)	Bill depth (At base) (mm)	Wing length (At base) (mm)	Tarsus length + mid toe (mm)		
									(Bird + Bag) (g)	Bill length (Exp. culmen) (mm)	Bill depth (At base) (mm)	Wing length (At base) (mm)	Tarsus length + mid toe (mm)		(Bird + Bag) (g)	Bill length (Exp. culmen) (mm)	Bill depth (At base) (mm)	Wing length (At base) (mm)	Tarsus length + mid toe (mm)		
MORPHOLOGY & MULT									COMMENTS												
Bill shape ²	Bill colour ₁	Leg colour ₁	Iris colour ₁	Iris colour ₂	Iris Photo ID	1° wear ₁			Pointed	Brigh ^t orange	Coral	Scarlet	Black	Y							

iris Flock: No / Slight / Flock Bill colour: Pale orange, brown tip / Orange / Bright orange Leg colour: Grey / Light pink / Pink / Coral - purple 1° Wear: Fresh / Slight / Moderate / Very / VERY
 2° Bill Shape: Pointed / Intermediate / Blunt Iris colour: Brown / Brown-orange / Orange-red // Dull orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarflet

RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	27.10.21	Rangitata R. Top Delta	RTRV 54	1045	10:59	Paul Sager	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather Sample
	T2144	Orange	20	8774	N	N	Chick	4
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	218	33	36	-	-	72	74	
MORPHOLOGY & MOULT	Bill shape ²	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	Pin break just about							
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	27.10.21	Rangitata R. Sinclair's upst	RTRV 38	1403	1410	Paul Sager	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather Sample
	T2147	Orange	85	-	N	N	Chick	?
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	285	31	41	-	-	115	80	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS								

² Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / Very



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	(11-11-21)	Rangitata Riverbed	RTRV49	-	-	Holly Thompson	Holly Thompson	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	feather sample
	T2170	Orange	Ø2	9868	N	N	Chick	Y
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	378	328	52	-	-	180	86	
MORPHOLOGY & MOULT	Bill shape ²	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS								
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	11-11-21	Rangitata Riverbed	RTRV49	-	-	David Thomas	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	feather sample
	-	Orange	Ø3	-	N	N	-	N
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	-	-	-	-	-	-	-	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	Disappeared before it could be banded							

² Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY

RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY								
METADATA		Date	Site	Nest	Time caught	Time released	Scribe	Handler
MARKING AND SAMPLING		Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age
COMMENTS		Date	Site	Nest	Time caught	Time released	Scribe	Handler
MORPHOLOGY & METRICS	Bill shape ₁	Bill colour ₁	Leg colour ₁	Iris colour ₁	Iris flexk ₁	Iris Photo ID	1° Wear ₁	1° molt
	Weight (Bird + Bag)	Bill length (Bag)	Bill depth (Exp. culmen)	Bill width (At base)	Wing length (At base)	(Flat + straight)	Tarsus Length (1 mm)	(1 mm)
MORPHOLOGY & METRICS	Weight (Bird + Bag)	Bill length (Bag)	Bill depth (Exp. culmen)	Bill width (At base)	Wing length (At base)	(Flat + straight)	Tarsus Length (1 mm)	(1 mm)
	Weight (Bird + Bag)	Bill colour ₁	Leg colour ₁	Iris colour ₁	Iris flexk ₁	Iris Photo ID	1° Wear ₁	1° molt
MULTI-MODEL								

1° Bill Shape: Pointed / Intermediate / Blunt
1° Iris Colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet
Iris Flexk: No / Slight / Flick
Bill Colour: Pale orange, brown tip / Orange / Light pink / Pink / Coral - purple
Leg Colour: Grey / Light pink / Pink / Coral - purple
1° Wear: Fresh / Slight / Moderate Very / VERY

RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	3/11/21	Forestcreek	RTFM54	8:28	8:50	Holly	Paul	Paul
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather Sample
	T 2163	Orange	30	-	-	-	Chick	4
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	Butterfly
	237	53	34	-	-	85	74	
MORPHOLOGY & MOULT	Bill shape ²	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	RTFM54-03 Blue left flag out of order as 02 wasn't found until we left							
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	3/11/21	Forestcreek	RTFM56	09:10	9:30	Holly	Paul	Paul
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather Sample
	T 2164	Orange	17	-	-	-	Chick	4
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	338	30	47	-	-	157	89	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	RTFM56-01 (Tx chick)							

² Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

Chicks: Metal Right
Flag Left

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	3/11/21	Forest Creek	RTFM54	08:28	8:50	Holly	Paul	Paul
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather sample
	T 2161	Orange	29	-	-	-	chick	4
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	240	34	36	-	-	91	77	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
COMMENTS	RTFM54 - 01 (+x chick) pins erupting							
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	3/11/21	Forest Creek	RTFM54	8:28	8:50	Holly	Paul	Paul
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather Sample
	T 2162	Orange	31	-	-	-	chick	4
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	248	50	38	-	-	88	77	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	RTFM54 - 02 Blue right pins erupting							

¹ Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	3/11/21	Forest creek	RTFM49	10:17	10:27	Holly	Paul	Paul
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	feather sample
	T 2165	Orange	34		~	~	Chick	Y
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	196	30	33	—	—	71	76	
MORPHOLOGY & MOULT	Bill shape ²	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	—	—	—	—	—	—	—	—
COMMENTS	RTFM49-01 (tx chick)							
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	3/11/21	Forest creek	RTFM49	10:17	10:27	Holly	Paul	Paul
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	feather sample
	T 2166	Orange	35		~	~	Chick	Y
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	226	48	33	—	—	70	74	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	—	—	—	—	—	—	—	—
COMMENTS	RTFM49-02 (utx)							

² Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	21.10.21	Forest Ck	RTFM57	1115	11:35	Paul Sayer	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather sample
	T2123	Orange	C1	-	N	N	Chick	Y
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	387	50	48	-	-	175	84	
MORPHOLOGY & MOULT	Bill shape ²	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	RTFM57-01 Capture location e1434211 N5163251							
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	21.10.21	Forest Ck	RTFM57	1115	11:35	Paul Sayer	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather Sample
	T2124	Orange	C2	-	N	N	Chick	Y
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	395	50	50	-	-	180	87	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	RTFM57-02 Capture Location e7434207 N5163252							

² Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	21.10.21	Mesopot. pivot	RTFM 40	1420	14:40	Paul Sager	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	feather sample
	T 2128	Orange	C5	-	N	N	Chick	4
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	315	50	40	-	-	115	80	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	RTFM 40-01 Capture Location E1431040 N5166543							
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	21.10.21	Mesopot. Airstrip	RTFM 36	150	15:30	Paul Sager	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	feather sample
	T 2129	Orange	C6	-	N	N	Chick	4
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	330	50	48	-	-	136	84	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	RTFM 36-02 Capture location E1430830 N5165402							

¹ Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	21.10.21	Forest Creek	RTFM50	11:43	12:10	Paul Sager	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather Sample
	T2125	Orange	C3	-	N	N	Chick	4
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	+
	332	50	46	-	-	134	82	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	RTFM 60 - 01 TX Capture Location E1434533 N5163207							
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	21.10.21	Forest Creek	RTFM50	11:43	12:10	Paul Sager	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather Sample
	T2126	Orange	C4	-	N	N	Chick	4
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	+
	328	52	44	-	-	130	83	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	RTFM 50 - 02 Capture Location E1434533 N5163207							

¹ Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	21.10.21	Forest Ck	RTFM53	11:01	11:20	Paul Sager	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather Sample
	T2122	Orange	C7	-	N	N	Chick	4
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	340	50	47	-	-	137	83	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	Capture location E1433840 N5163506							
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	21.10.21	Forest Ck	RTFM44	1230	1239	Paul Sager	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather Sample
	T2127	-	-	-	N	N	Chick	4
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	308	50	43	-	-	116	80	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	RTFM44 - 01 TX Capture location E143552 N5162554							

¹ Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / Very



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	21.10.21	Mesopotamia	RTFM61	1607	1625	Paul Sayer	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather sample
	T2130	Orange	AT7	-	N	N	3+	4
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	575	50	93	15.8	14.3	269	93	
MORPHOLOGY & MOULT	Bill shape ²	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Pointed	Orange	Pink	Orange-red	Fleck Massive	L-R	Slight	-
COMMENTS								
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	21.10.21	Mesopot. pivot	RTFM63	1648	1704	Paul Sayer	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather sample
	T2141	Orange	AT8	-	N	N	3+	4
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	b12	50	91	15.7	14.8	268	95	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Pointed	Bright orange	Coral	Orange-red	Fleck	L-R	Slight	-
COMMENTS								

² Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	8 Oct 21	Top Delta	RTRV54	9.30	9:58	Paul Sarge	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	feather sample
	T-2134	Orange	AT1	—	N	N	3+	N
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	Bird + Bag + Tags
	578	50	95	16.4	14.7	265	92	—
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Pointed	Orange	Pink	Brown	No	L-R	Slight	—
COMMENTS	Old injury on upper mandible between nostril. Metal Right - flag left. DT did round wrong way							
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	8 Oct 21	Forest Cl Woolshed	RTFM49	1140	1202	Paul Sarge	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	feather sample
	T-2135	Orange	AT2	—	N	N	3+	N
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	528	50	89	15.0	13.3	262	92	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Pointed	Bright orange	Coral	Red-orange	Fleck	L-R	Slight	—
COMMENTS	Slight abrasion to upper mandible from catching metal R- flag L							

¹ Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	22.10.21	Rangitata River bed	RTAVB2	11:33	11:50	Paul Sayer	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather sample
	T2142	Orange	AT9	-	N	N	3+	Y
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	548	50	81	15.7	14.3	258	92	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Pointed	Orange	Coral	Scarlet	Slight	L-R	Slight	-
COMMENTS								
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	27.10.21	Rangitata R. Top Delta	RTAVSb	10:00	10:15	Paul Sayer	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather sample
	T2143	Orange	C9	-	N	N	Chick	Y
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	342	48	49	-	-	145	85	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	Chick 02							

¹ Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY

RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	23.9.21	Rangitata River Dr. Sinclair's upstream	RTRV40	1030	1059	Paul Sager	Paul Sager	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	feathers?
	T-2113	Orange	YX1	8523	No	No	3+	✓
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	Bag + bird + tag
	602	50	89	14.9	14.3	270	96	612
MORPHOLOGY & MOULT	Bill shape ²	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Pointed	Bright Orange	Coral	Red-orange	Fleck	L-R	Slight	No
COMMENTS	Tx attachment 6:00							
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	27.9.21	Rangitata River Forest Creek SB	RTRV49	12.16	1241	Paul Sager	Paul Sager	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Bird + tag + bag
	T-2114	Orange	YX2	8528	No	No	3+	525
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	feathers?
	512	50	86	14.8	13.7	266	91	✓
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Pointed	Orange	Coral	Red	Fleck	L-R	Slight	No
COMMENTS	Tx attachment time : 5:00							

² Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / Very



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	22/9/21	Frost Creek Woolshed	RTFM49	16:31	16:59	David Thomas	Paul Sagar	Nikki M.
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	feathers?
	T2111	Orange	4V8	8547	N	N	3+	✓
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	Tag + Bird + bag (g)
	525	50	77	14.9	13.6	251	91	535
MORPHOLOGY & MOULT	Bill shape ²	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Pointed	Orange	Coral	Red	Fleck	L-R (David)	Slight	-
COMMENTS	Tx attachment time: 4:50							
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	23/9/21	Rangitata River Upstream Dr Sindairs	RTRV36	9.32	9.55	Paul Sagar	Paul Sagar	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	feathers?
	T2112	Orange	4V9	5951	N	N	3+	✓
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	Tag + bird + bag (g)
	512	50	77	14.9	12.5	261	91	525
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Pointed	Orange	Coral	Scarlet	Slight	L-R (David)	Slight	-
COMMENTS	Tx attachment: 50							

² Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	22/9/21	Rangitata forest forest creek	RTFM43	09:12	09:49	David Thomas	Nikki M.	Nikki M.
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feathers?
	T2107	Orange	YVO	5966	N	N	3+	Y
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	Tag + Bird + Bag
	610	53g	87 mm	15.0	12.1 mm	268 mm	88 87 mm	610
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Pointed	Bright Orange	Coral-Purple	Red-Orange	fleck	L → R	Moderate	
COMMENTS	Bird took poo while handling (David)							
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	22/09/21	Rangitata forest mesopotamia	RTFM38	12:45	13:12	Nikki M.	David T.	David T.
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feathers?
	T2108	Orange	YVS	6164	N	N	3+	Y
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	625g	45	93 mm	14.8	14.0 mm	260 mm	93 mm	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Pointed	Bright orange	Coral	Scarlett	Fleck	L - R (Nikki)	Light	
COMMENTS	Processing time : 9 mins Weight after tx attachment 635g							

¹ Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / Very



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	22/9/21	Mesopotamia Pivot	RTFM37	14:00	14:18	David T.	Paul S.	Nikki M.
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feathers?
	T2109	ORANGE	YN6	5955	N	N	3+	Y
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	Bird + tag + Bag
	670	50	91	16.0	13.8	269	95	680
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Pointed	Bright Orange	Coral	Scarlet	Slight	L → R	Slight	-
COMMENTS	Took a big poo TX attachment 3:45 (David)							
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	22/9/21	Mesopotamia pivot	RTFM39	14:45	15:17	Nikki M.	Paul S.	David T.
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feathers?
	T2110	Orange	YN7	8526	N	N	3+	Y
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	Bird + Bag + tag
	587	50g	92 mm	15.6 mm	12.9 mm	268 mm	98 mm	595
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Pointed	Bright Orange	coral	RD → DR	Fleck	L - R	slight	-
COMMENTS	Small abrasion to upper mandible due to contact with trap. (Nikki) TX attachment 8 mins.							

¹ Bill Shape: Pointed / Intermediate / Blunt

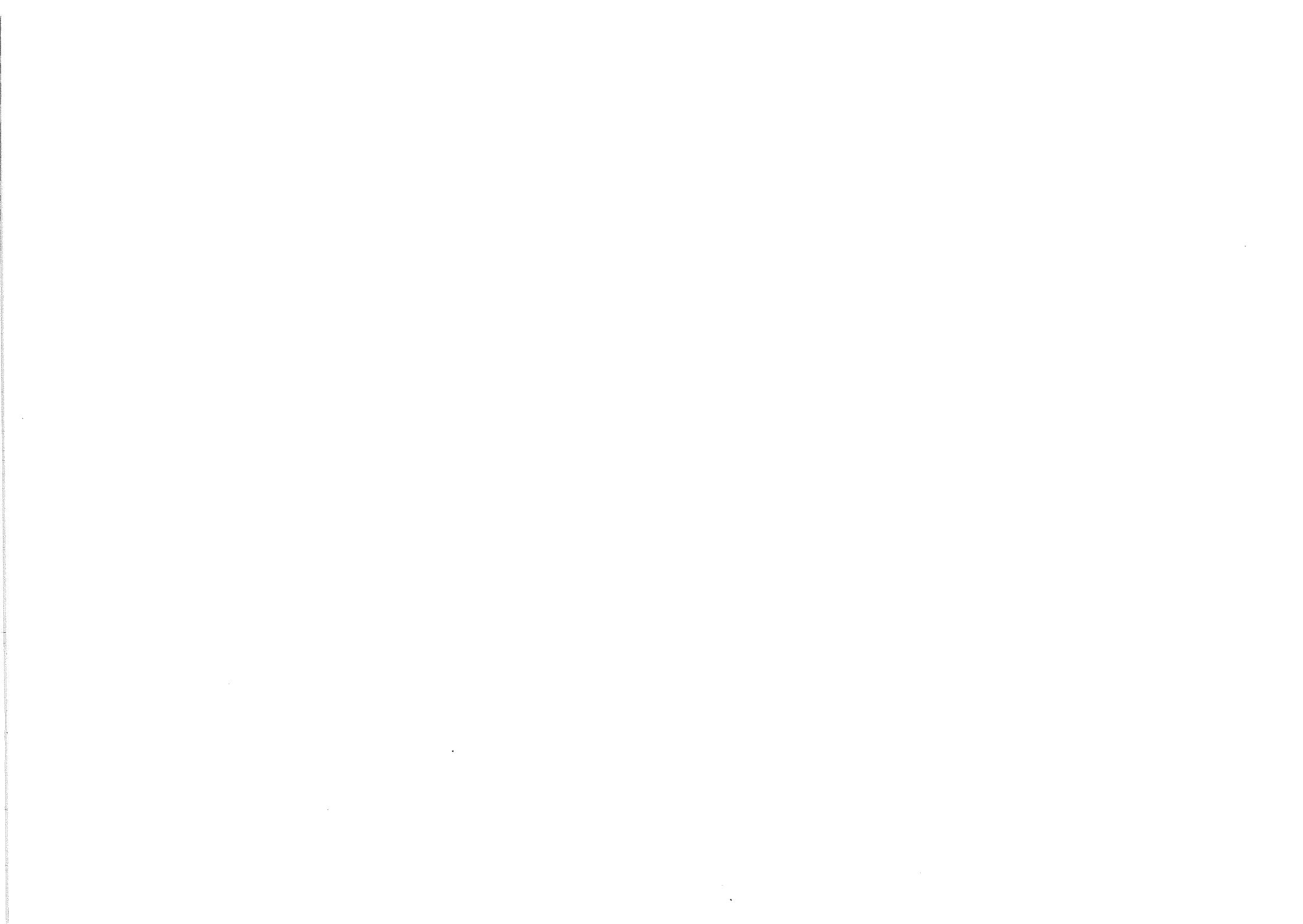
Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	10.10.21	Forest Creek	RTFM S4	13.16	13:30	Paul Soyer	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather Sample
	T-2139	Orange	ATb	-	N	N	3+	Y
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	518	50	80	15.0	14.4	268	91	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Pointed	Bright orange	Coral	Bright red	Slight		Slight	-
COMMENTS	Metal R Flag left. DT did it wrong way around							
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
COMMENTS								

¹ Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	27/10/21	Dr Sinclairs Downstream	RTRV37	16:20	16:35	Paul Sagar	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather Sample
	T2151	Orange	1φ	-	N	N	Chick	Y
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	258	48	42			109	79	
MORPHOLOGY & MOULT	Bill shape ²	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	#1	Pins erupted	Flag attached	3/11/21	found dead	15/11		
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
27/10/21	Dr Sinclairs Downstream	RTRV37	16:20	16:35	Paul Sagar	David Thomas	David Thomas	
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	
-T2152	Orange	φ9		N	N	Chick		
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
252	50	39			101	79		
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
-	-	-	-	-	-	-	-	-
COMMENTS	#2	Pins erupted	Flag attached	3/11/21	found dead	6/11		

² Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	28.10.21	Mesopotamia Pivot	RTFM 39	1230	12:45	Paul Soga	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather Sample
	T2159	Orange	13	8529	N	N	Chick	Y
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	360	50	45	-	-	138	86	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
COMMENTS	Chick #01 Flag & Tx attached 3/11/21							
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	28.10.21	Mesopotamia Pivot	RTFM 37	12:50	13:00	Paul Soga	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather Sample
	T2160	Orange	15	-	N	N	Chick	Y
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	292	53	37	-	-	106	79	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	Flag attached 3/11/21							

¹ Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / Very



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	5.11.21	Sinclair's Upstream	RTRV3b	1140		Paul Sagar	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather sample
	T2173	Orange	25	-	N	N	Chick	4
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	296	50	40	-	-	124	81	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	Chick 01 Flag attached 11/11/21							
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	5.11.21	Sinclair's Upstream	RTRV3b	1140		Paul Sagar	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather sample
	T2174	Orange	26	-	N	N	Chick	4
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	286	50	41	-	-	117	83	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	Chick 02 Flag attached 11/11/21							

¹ Bill Shape: Pointed / Intermediate / Blunt

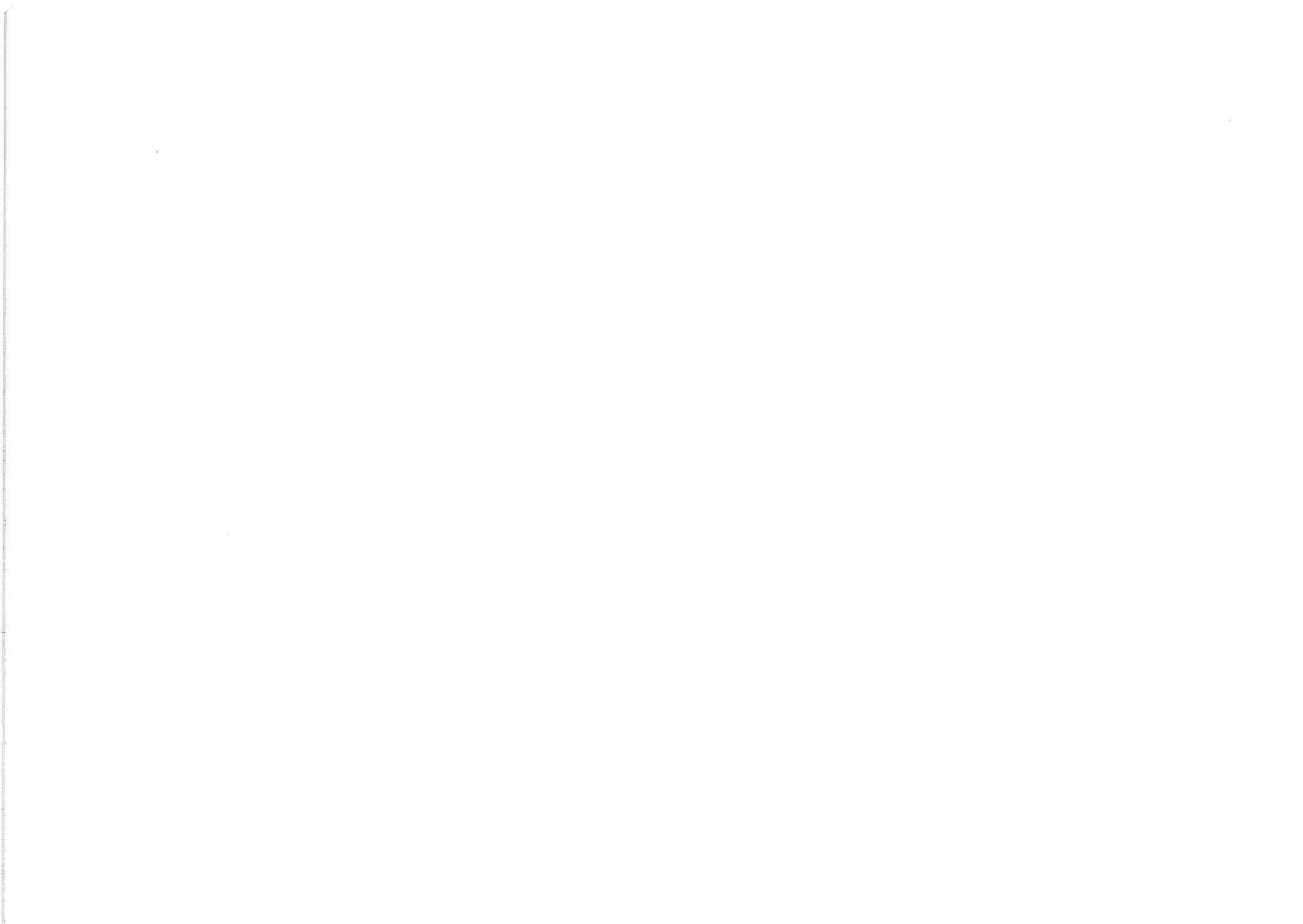
Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	5.11.21	Forest Ck	RTFM 46	8.40		Paul Sagar	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	feather sample
	T2171	Orange	27	8772	N	N		
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	343	49	41	-	-	136		
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	Flag attached 11/11/21							
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	5.11.21	Forest Ck	RTFM 56	0940		Paul Sagar	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	feather sample
	T2172	Orange	19	-	N	N		
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	380	50	50	-	-	167		
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	Blue left chick #02							

¹ Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	27.10.21	Sinclair downstream	RTRV41	1445	1458	Paul Sage	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather Sample
	T2148	Orange	98	-	N	N	Chick	4
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	218	35	37	-	-	78	72	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	Pins erupting Flag attached 3/11/21 found dead 12/11/21							
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
COMMENTS								

¹ Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	28.10.21	Foresk Ck Delta	RTRV44	0844	0849	Paul Soga	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather Sample
	T2155	Orange	18	-	-	-		
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	295	H9	H2	-	-	120	83	
MORPHOLOGY & MOULT	Bill shape ²	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS								
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	28.10.21	Rangitata River Forest	RTRV46	1035	16:42	Paul Soga	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather Sample
	T2156	Orange	Ø4	8513	-	-		
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	332	H9	H7	-	-	138	80	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS								

² Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate /Very / VERY



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	4.11.21	Top Delta	RTRV53	0850	0914	Paul Soga	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	feather Sample
	T2168	Orange	24	-	N	N	Chick	4
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	308	45	41	-	-	122	79	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	TX chick #01		TX reattached					
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	4.11.21	Top Delta	RTRV53	0850	0914	Paul Soga	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	feather Sample
	T2169	Orange	28	-	N	N	Chick	4
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	295	49	40	-	-	112	76	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	chick 02							

¹ Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	3/11/21	Mesopotamia pnt	RTFM39	Not recorded	Not recorded	Holly	David	David
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather sample
	T2167	Orange	14	-	-	-	Chick	Y
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	368	46	51	13.4	12.1	164	66	
MORPHOLOGY & MOULT	Bill shape ²	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	02 chick							
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	8/11/21	Forest creek	RTFM456	Not recorded	Not recorded	Holly Thompson	Holly Thompson	David Thompson
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather sample
	T2175	Orange	23	8544	N	AJ	Chick	Y
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	Tx attachment time
	415	50	54	13.7	12.4	184	93	4:15
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	03 chick							

² Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	27/10/21	Dr Sinclair's Downstream	RTRV39	17:00	17:20	Paul Sagar	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather Sample
	T2153	Orange	12	—	N	✓	Chick	Y
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	238	48	36	—	—	92	77	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	—	—	—	—	—	—	—	—
COMMENTS	411	Flag attached 3/11/21						
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	27/10/21	Dr Sinclair's Downstream	RTRV39	17:00	17:20	Paul Sagar	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather Sample
	T2154	Orange	11	—	N	✓	Chick	Y
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	198	33	36	—	—	79	74	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	—	—	—	—	—	—	—	—
COMMENTS	42	Flag attached 3/11/21						

¹ Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	27.9.21	Rangitata R. Forest Ck	RTRV 51	1430	Not recorded	Paul Sagar	Paul Sagar	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Bird tag + bag
	T2115	Orange	7X3	8540	No	No	3+	
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	feathers?
	575	49	89	14.9	14.3	261	95	587
MORPHOLOGY & MOULT	Bill shape ²	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Pointed	Bright Orange	Coral	Scarlet	Slight	L-R	Slight	No
COMMENTS								
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	30.10.21	Mesopotamia Pivot	RTFM38	Not recorded	Not recorded	David Thomas	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feathers
	-	Orange	81	-	N	N	Chick	N
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	348	60	45	-	-	161	85	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	02 chick Not banded due to Paul S. not being present							

² Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	28.9.21	Rangitata (Riverbed)	RTRV57	11:12	11:34	Paul Sager	Paul Sager	Nikki McArthur
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	feathers?
	T-2117	Orange	YX4	5809	/	/		
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	/
	550	50	91.0	15.9	12.4	261		
MORPHOLOGY & MOULT	Bill shape ²	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Pointed	Orange	Coral	Red	Fleck	No	Slight	-
COMMENTS								
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	/
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	/
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
COMMENTS								

² Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	28.9.21	Mesopot. Farmland	RTFM 44	14:38	14:52	Paul Sagar	Nikki McArthur	Nikki McArthur
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	feathers?
	T-2118	Orange	YX5	-	N	N	3+	✓
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	595	50	84	15.9	12.8	252	95	
MORPHOLOGY & MOULT	Bill shape ²	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Pointed	Orange	Coral	Orange-red	Fleck	No	Slight	-
COMMENTS								
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	28.9.21	Rangitata Riverbed	RTRV 56	09:26	10:13	Paul Sagar	Nikki McArthur	Nikki McArthur
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	feathers
	T-2116	White	C22	8533	N	N	3+	✓
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	530	50	83	14.5	12.3	261	90	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Pointed	Orange	Coral	Red	Fleck	No	Slight	-
COMMENTS	Removed metal band H-37222, replaced with metal band T-2116.							

² Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / Very



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	29.9.21	Forest Cl Farnsland	RTFM 48	12:44	12:59	Paul Sager	Nikki McArthur	Nikki McArthur
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	feathers?
	T2131	Orange	-1X8	-	N	N	3+	✓
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	548	50g	84	15.0	12.4	269	95	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Pointed	Orange	Coral	Red-orange	Fleck	L-R	Slight	N
COMMENTS								
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
COMMENTS								

¹ Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	29.9.21	Bush Stream Rangitata	RTRV53	08:28	08:57	Paul Sagar	Nikki McArthur	Nikki McArthur
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	feathers?
	T-2119	Orange	7x6	—	N	N	3+	✓
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	585	50	94	14.7	12.2	269	92	
MORPHOLOGY & MOULT	Bill shape ²	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Pointed	Orange	Coral	Orange-red	Fleck	—	Slight	N
COMMENTS								
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	29.9.21	Forest Creek Farmland	RTFM 52	10:42	11:09	Paul Sagar	Nikki McArthur	Nikki McArthur
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	feathers?
	T-2120	Orange	7x7	—	N	N	3+	✓
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	545	52	86	15.0	11.6	264	90	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Pointed	Bright orange	Coral	Red-orange	Fleck	L-R	Slight	N
COMMENTS								

² Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY

RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	2/10/2021	Rangitata Farmland	RTFM41	11:45	12:03	Nikki McArthur	Nikki M.	Nikki M.
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feathers?
	T2132	Orange	YXO	—	N	N	3+	Y
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	520g	45g	89	14.5 *	14.5 *	260	99	
MORPHOLOGY & MOULT	Bill shape ²	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Blunt	Bright orange	Coral	Bright red scarlet	Fleck	—	Moderate	—
COMMENTS	Deformed bill - decurved to the left				* measured w/ wing rule as I didn't have callipers with me, so may be a little inaccurate.			
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
2/10/2021	Rangitata Farmland	RTFM46	—	14:04	14:19	Nikki McArthur	Nikki M.	Nikki M.
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feathers?
T2133	Orange	YX9	—	—	N	N	3+	✓
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	550g	45g	89	15.3	12.1	262	92	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Pointed	Bright orange	coral	Red	Slight	—	Slight	—
COMMENTS	Right eye damaged/deformed. Pupil extends to edge of eyelid				(+) vs (○)	lens (retina?) partly cloudy		

² Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	27/10/21	Sinclair upstream	RTRV42	1540	1557	Paul Sager	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather sample
	T2149	Orange	Ø6	-	N	N	Chick	Y
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	196	33	33	-	-	68	73	
MORPHOLOGY & MOULT	Bill shape ²	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	TX bird #1 Flag attached 3/11/21							
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	27/10/21	Sinclair upstream	RTRV42	1540	1557	Paul Sager	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather sample
	T2150	Orange	Ø7	-	N	N	Chick	Y
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	190	31	35	-	-	72	72	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	#2 Flag attached 3/11/21							

² Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	8/10/21	Forest Creek	RTRM40	1246	Not recorded	Paul Soga	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather sample
	T2136	Orange	AT3	-	N	N	3+	4
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	570	50	94	14.6	14.6	267	99	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Pointed	Bright orange	Coral	Bright red	Fleck	L-R	Slight	A
COMMENTS	Metal Right, flag left DT did round wrong way							
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	8/10/21	Forest Creek	RTRV61	1420	1439	Paul Soga	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather Sample
	T2137	Orange	AT4	-	N	N	3+	Yes
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	483	50	77	14.8	13.6	262	90	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Pointed	Bright Orange	Coral	Scarlet	Slight	L-R	Slight	N
COMMENTS	Metal R - flag left. DT did round wrong way							

¹ Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY

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RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	21.10.21	Forest CK	RTFM55	10:15	10:45	Paul Sager	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather Sample
	T2140	Orange	C8	-	N	N	Chick ≤ 1 month	Y
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	367	50	46	-	-	142	87	
MORPHOLOGY & MOULT	Bill shape ²	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
				Brown	None	-	-	-
COMMENTS	RTFM55 - 01 Capture location E1433416 N5163577							
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	21.10.21	Forest Creek	RTFM55	10:15	10:45	Paul Sager	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather Sample
	T2121	Orange	C9	-	N	N	Chick ≤ 1 month	Y
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	328	52	45	-	-	140	84	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-			-	-	-
COMMENTS	RTFM55 - 02 Capture Location E1433416 N5163577							

² Bill Shape: Pointed / Intermediate / Blunt

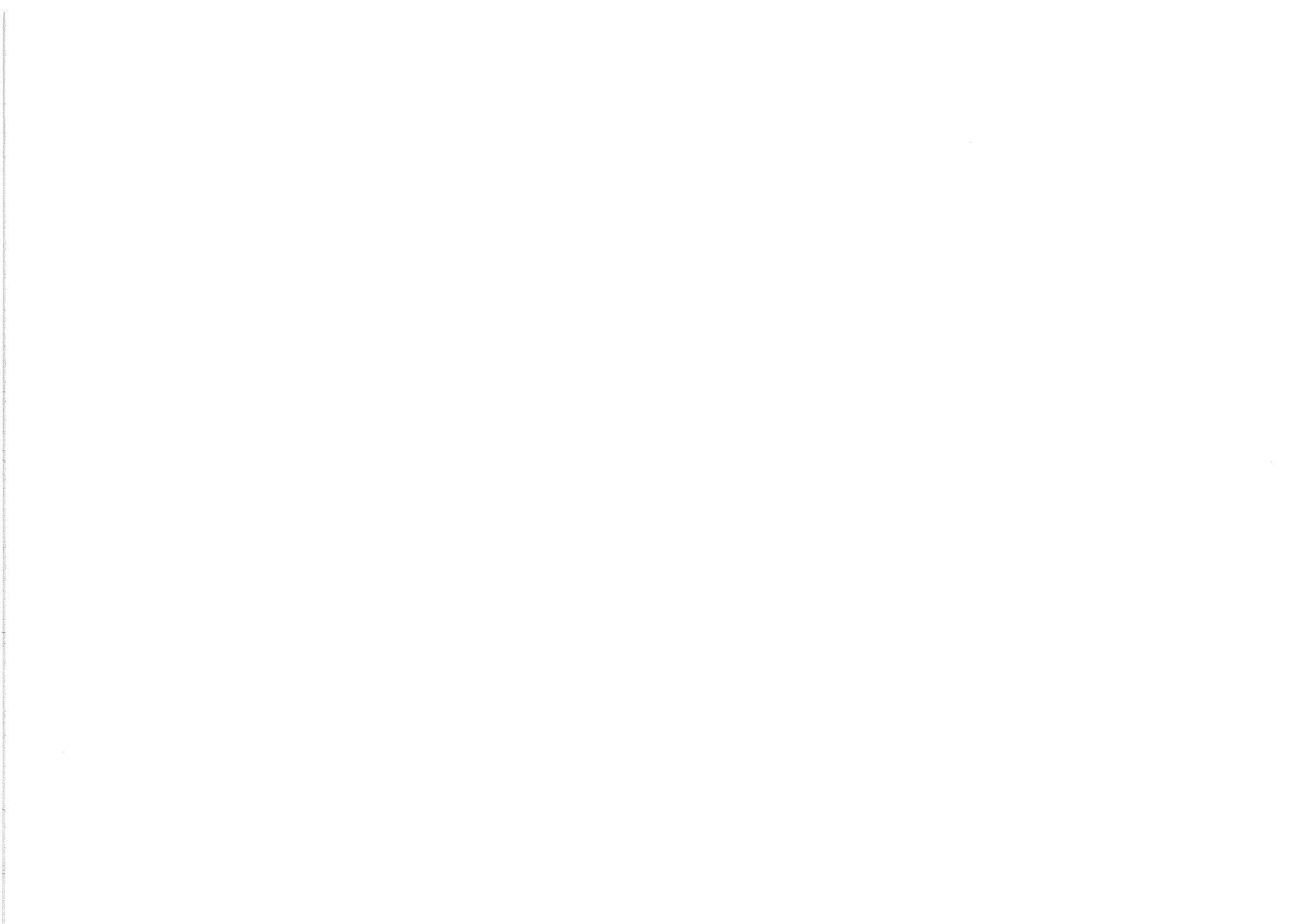
Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / Very



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	8/10/21	Dr Sinclair spotteam	RTQV42	1625	1650	Paul Sarge	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	feather sample
	T2138	Orange	AT5	—	N	N	3+	Y
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	515	50	84	15.0	14.0	271	93	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	Pointed	Bright orange	Coral	Red	Slight fleck	L - R	Slight	N
COMMENTS	Metal R - flag left. DT solid round wrong way ⚡							
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
COMMENTS								

¹ Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	27.10.21	Rangitata L. Top Delta	RTRV58	1155	12:10	Paul Snipes	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather Sample
	T2145	Orange	21	-	N	N	Chick	N
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	222	35	37	-	-	75	78	
MORPHOLOGY & MOULT	Bill shape ²	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	E142949b N5170513 Chick #1 Pins erupting							
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	27/10/21	Rangitata L. Top Delta	RTRV58	1155	12:10	Paul Snipes	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather Sample
	T2146	Orange	22	-	N	N	Chick	Y
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	227	49	36	-	-	75	78	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	Pins erupting Chick #2 Found dead 11/11/21							

² Bill Shape: Pointed / Intermediate / Blunt

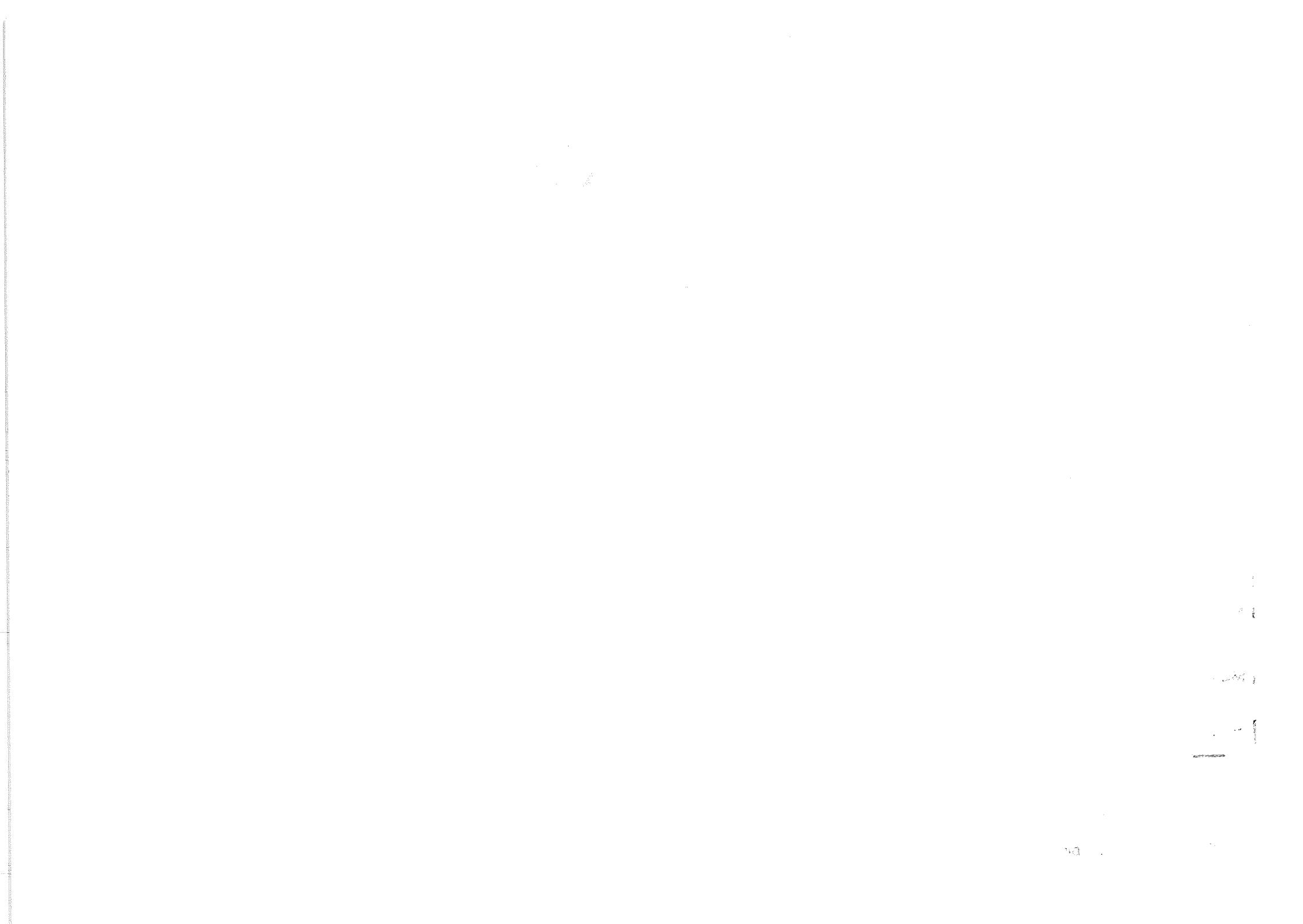
Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	2/12/21	Rangitata Riverbed	RTRV60	14:00	14:15	David Thomas	David Thomas	David T.
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather sample
	12182	ORANGE	10	-	~	~	Chick	Y
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	345	35	53	-	-	188	88	
MORPHOLOGY & MOULT	Bill shape ²	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
COMMENTS								
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	30/12/21	Rangitata Riverbed	RTFMG2	Not recorded	Not recorded	David T	David T	David T
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather sample
	12179	Orange	37	-	~	~	Chick	Y
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	330	33	46	-	-	135	85	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
COMMENTS								

² Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	28.10.21	Mesopotamia Pivot	RTFM 38	1139	1148	Paul Soper	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather Sample
	T2157	—	—	-	✓	✓	Chick	n
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	308	50	44	-	-	131	83	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	Chick 01 found dead 3/11							
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	28.10.21	Mesopotamia Pivot	RTFM 44	1210	12:20	Paul Soper	David Thomas	David Thomas
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feather Sample
	T2158	Orange	16	-	✓	✓	Chick	y
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	303	51	46	-	-	135	81	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	Flag attached 3/11/21							

¹ Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	29/11/21	Front Deck	Unknown Nest	12:45	13:00	David T		
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	Feathers
	T2176	Orange	3G	-	-	-	Chick	Y
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	350	35	46	-	-	162	88	
MORPHOLOGY & MOULT	Bill shape ²	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	Capture location E 143 40'13" N 51 64'25.7"							
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
COMMENTS								

² Bill Shape: Pointed / Intermediate / Blunt

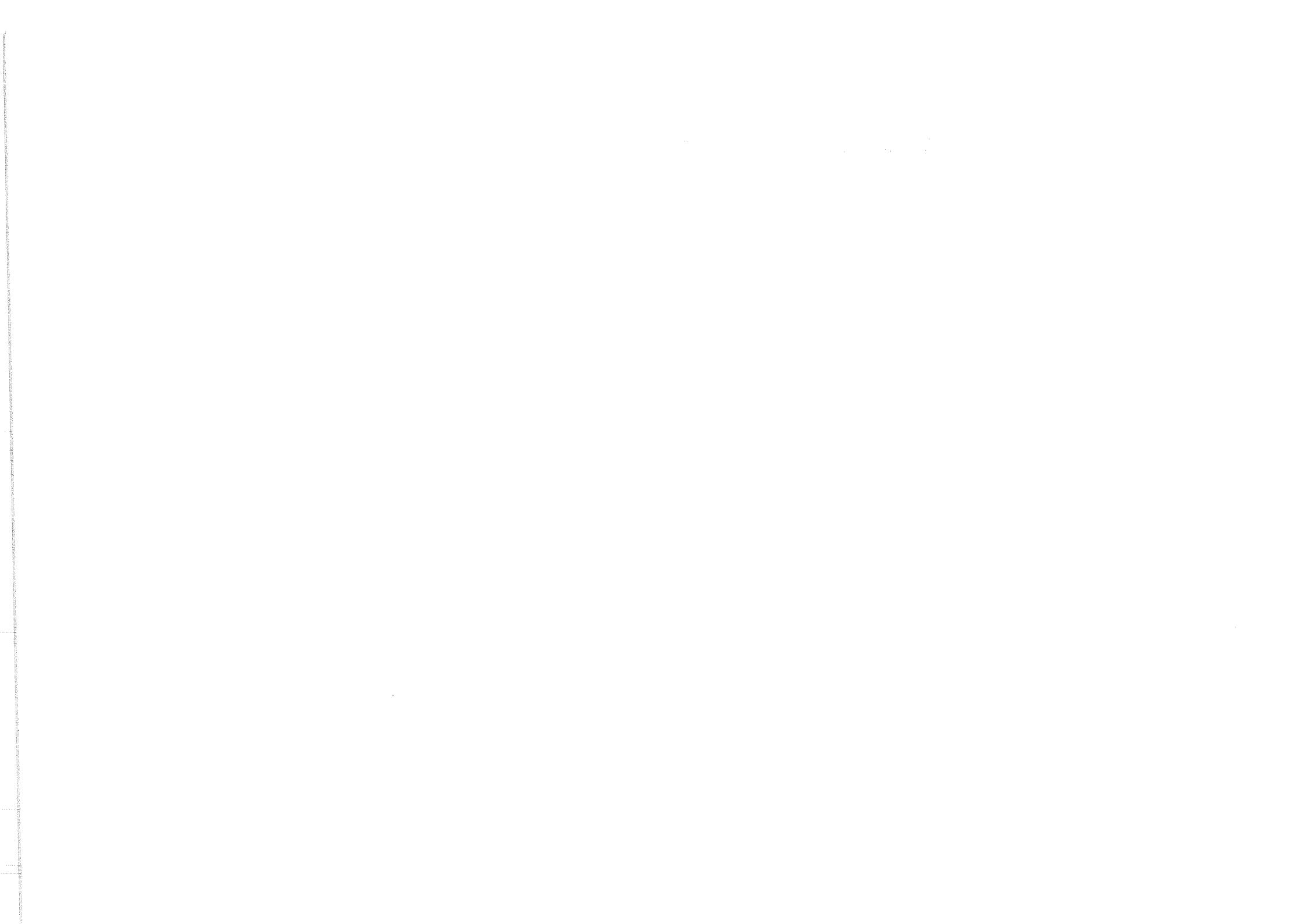
Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY



RANGITATA / RAKAIA SOUTH ISLAND PIED OYSTERCATCHER STUDY

METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	30/11/21	Forest Creek	Unknown nest	Not recorded	Not recorded	David T		
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	feather sample
	T2180	Orange	38	-	N	N	Chick	4
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	380	45	48	-	-	176	90	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	Capture location: E 1433061 N 5164544							
METADATA	Date	Site	Nest	Time caught	Time released	Scribe	Handler	Bander
	30/11/21	Forest Creek	Unknown Nest	Not Recorded	Not recorded	David T		
MARKING AND SAMPLING	Band No.	Flag colour	Flag code	GPS tag ID	Blood sample? (Y/N)	Faecal sample? (Y/N)	Age	feather sample
	T2181	Orange	39	-	N	N	Chick	4
MORPHOMETRICS	Weight (Bird + Bag) (1 gm)	Weight (Bag) (1 gm)	Bill length (Exp. culmen) (1 mm)	Bill depth (At base) (0.1 mm)	Bill width (At base) (0.1 mm)	Wing length (Flat + straight) (1 mm)	Tarsus Length (1 mm)	
	392	50	48	-	-	171	94	
MORPHOLOGY & MOULT	Bill shape ¹	Bill colour ¹	Leg colour ¹	Iris colour ¹	Iris fleck ¹	Iris Photo ID	1° wear ¹	1° moult
	-	-	-	-	-	-	-	-
COMMENTS	Capture location: E 1433061 N 5164544							

¹ Bill Shape: Pointed / Intermediate / Blunt

Iris colour: Brown / Brown-orange / Orange-brown // Dull orange / Orange / Orange-red // Red-orange / Dull red // Red / Bright red Scarlet

Iris Fleck: No / Slight / Fleck

Bill colour: Pale orange, brown tip / Orange / Bright orange

Leg colour: Grey / Light pink / Pink / Coral – purple

1° Wear: Fresh / Slight / Moderate / Very / VERY

