

EXAM RECORD: Possum trapping- *adults*

Beating Buruli in VIC



Date: _____ Operators: _____
Trap #: _____ Bag #: _____
Address: _____
Trap location: _____
Status: ☐ 1st exam ☐ Seen previously
Demeanour: ☐ Alert ☐ Depressed ☐ Aggressive
Comments: _____

Possum ID: T _____

Species: ☐ Ringtail ☐ Male
☐ Brushtail ☐ Female

Microchip
sticker: _____

Weight of possum: _____ Weight (bagged possum): _____ Weight (bag): _____

Anaesthesia/sedation & examination record

☐ **Gas anaesthesia** (iso in 1-1.5mL/min O₂ via face mask)

Time of induction: _____

Induction: ☐ 5% iso ☐ Other: _____

Maintenance: ☐ 2% iso ☐ Other: _____

☐ **IM sedation** (Zoletil-100 at 10mg/kg BW; 0.1mL for 1kg possum)

Time administered: _____

Dose given: _____ mL Needle: ☐ 25G ☐ Other: _____ G

IM location: ☐ Rump- L / R (circle) ☐ Other: _____

Time examination started: _____

Warming method: ☐ Electric heat pad ☐ Hot water bottle

Time	Iso %	O ₂ mL/min	HR	RR	Temp °C	Comments
:						
:						
:						
:						
:						
:						

Age ☐ Adult

Health ☐ Normal

BCS: _____

Ectoparasites ☐ No

Ulcerations ☐ No

class: ☐ Sub-adult

status: ☐ Abnormal

(1 Emaciated <-> 5 Obese)

present? ☐ Yes

present? ☐ Yes

Joey's present? ☐ No ☐ Yes- **JV** _____ (Joey ID/s) ; ☐ Joey exam sheet/s completed

ID marking performed: ☐ Microchip ☐ Ear tattoos- code: _____ L / R (circle) ☐ Collar- colours: _____

Notes: _____

Samples collected – standard:

☐ Faeces ☐ Ziplock ☐ Cryovials (for Alistair) ☐ Swabs ☐ Oral ☐ Cloacal ☐ Pouch ☐ Photos ☐ Dorsal ☐ Ventral
☐ Blood ☐ Lith-Hep (green) ☐ EDTA (purple) Vol: _____ mL ; _____ #vials Vein: ☐ Lateral tail- L / R (circle) ☐ Ventral tail

Additional samples if applicable ☐ Other: _____

☐ Ectoparasites (in 70-80% ethanol): ☐ Fleas ☐ Other: _____

☐ Ulcerative lesions: ☐ Swab ☐ Swab cyto prep ☐ Photos ☐ Mapping silhouette* (see next page)

Exam findings:

Tooth wear

notes* (see next page):

Repro notes* (F= pouch condition;

M= scent gland development, scrotal width):

ABs/fluids given? ☐ No ☐ Yes: _____ (brand name, dose, route)

Time exam finished/iso turned off: _____ Exam duration: _____ mins

Time O₂ turned off: _____ Time returned to bag: _____ Time fruit given: _____

Anaesthetic/sedation depth: ☐ Light ☐ Surgical ☐ Deep Complications: ☐ None ☐ Minor ☐ Serious ☐ Fatal

Recovery: ☐ Normal ☐ Abnormal ☐ Prolonged ☐ Violent ☐ Died during recovery

Outcome: ☐ Back to wild Time released: _____ Comments: _____

☐ Taken to vet Clinic name: _____ Time admitted: _____

☐ Euthanised ☐ Anaesthetised (isoflurane) ☐ Sedated (IM Zoletil-100) _____ (dose & location)

Vol Lethabarb given (1mL/2kg BW): _____ mL Route & location: _____

Time Lethabarb given: _____ Time of death: _____ ☐ AWO notified? _____ (date & method)

Additional comments:

Signed:

In RedCap? ☐

EXAM RECORD: Possum trapping- joeys

Beating Buruli in VIC



Date: _____ Operators: _____
Trap #: _____ Bag # (mother): _____
Address: _____
Trap location: _____

Mother's ID: T _____ Mother's microchip #: _____

Mother's status: ☐ 1st exam ☐ Seen previously

Mother's demeanour: ☐ Alert ☐ Depressed ☐ Aggressive

Mother's health status: ☐ Normal ☐ Abnormal

Mother's restraint method: ☐ Anaesthetised (isoflurane) ☐ Sedated (Zoletil-100)

Comments: _____

Joey ID: JT _____

Species: ☐ Ringtail
☐ Brushtail

Joey type: ☐ Pouch
☐ Back

Joey sex: ☐ Male
☐ Female
☐ Undetermined

Joey observation/examination record

POUCH JOEY: Observe only; do not handle.

Attached to teat? ☐ Yes ☐ No

Eyes open? ☐ Yes ☐ No

Tips of ears free? ☐ Yes ☐ No

Facial whisker development? ☐ Yes ☐ No

Fur development: ☐ None ('pinky') ☐ Slight fur tinge
☐ Medium fur ☐ Well-furred

Joey's demeanour: ☐ Alert ☐ Passive ☐ Active

Joey's health status: ☐ Normal ☐ Abnormal

Comments: _____

BACK JOEY: Restrain within separate cotton bag.

Time examination started: _____:_____

Bag # (joey): _____

Weight of joey: _____g

Weight (bagged joey): _____g

Weight (bag): _____g

Joey's demeanour: ☐ Alert ☐ Passive ☐ Active

Joey's health status: ☐ Normal ☐ Abnormal

Comments: _____

Samples collected: ☐ Photos (only)

Head length (mm): _____

Head width (mm): _____

Samples collected: ☐ Oral swab ☐ Photos

☐ Other: _____

Estimated age of joey (Refer joey development tables): _____ days / months (circle)

Time exam finished: _____:_____

Exam duration: _____ mins

Joey's outcome: ☐ Stayed in pouch Comments: _____

☐ Returned to bag with mother Bag #: _____ Time returned to bag: _____:_____

☐ Euthanised ☐ Anaesthetised (isoflurane) ☐ Sedated (IM Zoletil-100) _____ (dose & location)

Vol Lethabarb given (1mL/2kg BW): _____mL Route & location: _____

Time Lethabarb given: _____:_____ Time of death: _____:_____ ☐ AWO notified? _____ (date & method)

Mother's recovery: ☐ Normal ☐ Abnormal ☐ Prolonged ☐ Violent ☐ Died during recovery

Mother's outcome: ☐ Back to wild ☐ Taken to vet ☐ Euthanised

Mother & joey successfully returned to wild? ☐ Yes ☐ No: _____

Additional comments: _____

Signed: _____

EXAM RECORD: Possum necropsy

<div>Specimen ID: N____/____</div> <div>Extra ID? _____</div> <div>Path ID: _____</div>	<div>Possum details Where from? _____</div> <div>Date of death: _____ [] Died/Found dead [] Euth'd [] Unknown</div> <div>History: _____</div>
<div>Date of PM: _____</div> <div>Pathologist: _____</div> <div>Time PM started: _____</div>	

Post mortem examination

Weight of possum: _____	Weight (bagged possum): _____	Weight (bag): _____
Carcase state: [] Thawed [] Fresh	Carcase condition: [] Excellent [] Good but some deterioration [] Very deteriorated	
Species: [] Ringtail [] Brushtail	Age class: [] Adult [] Sub-adult [] Juvenile / joey	Sex: [] Female [] Male
		Joeys present? [] No [] Yes- #Back joeys #Pouch joeys
ID markings present? [] No [] Yes- [] Microchip [] Ear tattooS- code: _____ L / R (circle) [] Collar- colours: _____		
Details: _____		

Health status: [] Normal [] Abnormal	BCS: _____ (1 Emaciated <--> 5 Obese)	Ectoparasites present? [] No [] Yes	Ulcerations present? [] No [] Yes
<div>Systems examination</div> <div>1. Skin & sensory [] NAD [] AD (incl. eyes, nose, brain)</div> <div>2. Musculoskeletal [] NAD [] AD</div> <div>3. Cardiovascular [] NAD [] AD</div> <div>4. Respiratory [] NAD [] AD</div> <div>5. Digestive [] NAD [] AD</div> <div>6. Urogenital [] NAD [] AD (No / Abnormality Detected)</div> <div>Repro status & notes* (see refs next page): Males: Scent gland activity (brushtails only): [] None/low [] Med [] High Females: [] Non-parous [] Parous [] Pregnant [] Pouch young present [] Lactating [] Post-lactation</div> <div>Tooth wear notes* (see refs next page):</div>		<div>Findings:</div>	

Samples collected- standard

STANDARD PLAIN SWABS (-20°C)	✓	STANDARD TISSUE SAMPLES	10% buff. Form alin	Cryo vial @ -80°C	STANDARD TISSUE SAMPLES	10% buff. Form alin	Cryo vial @ -80°C
Oral cavity		Ear	N/A		Kidney		
Cloaca		Nose/muzzle	N/A		Adrenal gland		
Pouch		Front footpad	N/A		Stomach		
		Hind footpad	N/A		Small intestine		
		Body cavity fluid	N/A		Caecum		
		Submandib. LN			Large intestine		
		Heart			Gut contents	N/A	
		Lung			Faeces	N/A	
		Liver- L & R lobes			Brain		N/A
		Spleen			Femur- upper 1/3		N/A

Samples collected- if applicable

ULCERATIONS	✓
Plain swab/s @-20°C n=_____	
Excised lesion/s @formalin n=_____	
Excised lesion/s @-80°C n=_____	
Photographs- w & w/out ruler	
Mapping silhouette* (next page)	
PARASITES (70% EtOH)	✓
Ecto: _____	
Endo: _____	
Time PM finished: _____	
[] In APD [] In spreadsheet [] Scanned [] Photos downloaded ([] In RedCap?)	

DORSAL

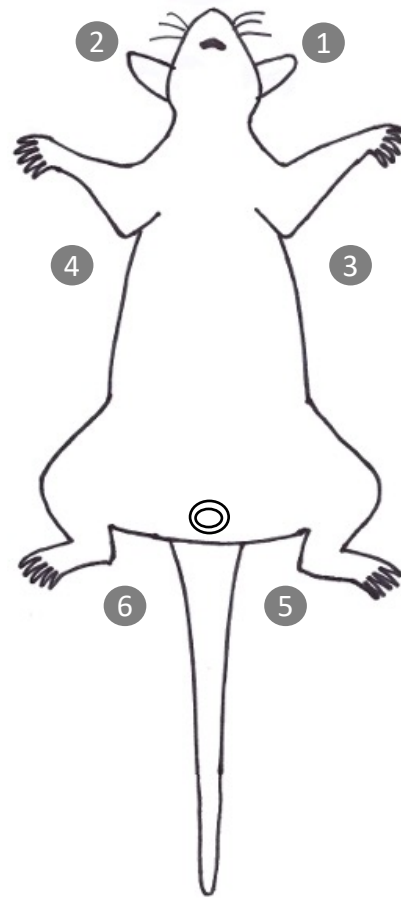
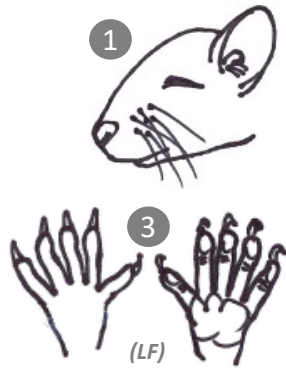
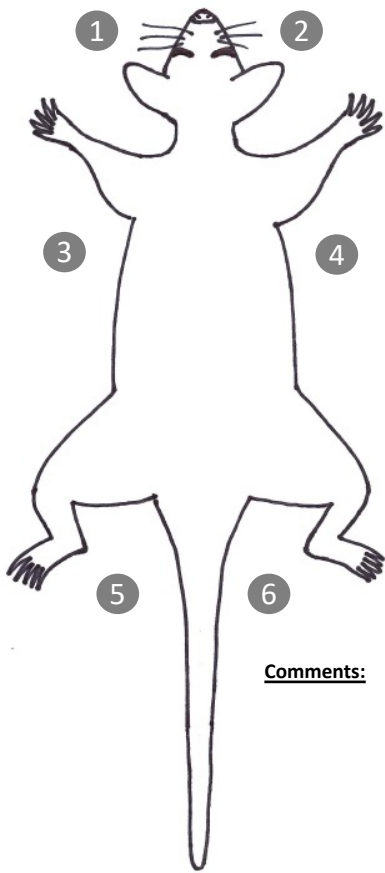
Mapping silhouette for ulcerative lesions

VENTRAL

NB: For multiple lesions, number according to body part, eg RF1, RF2 (right fore); S1 (scrotum); T1, T2 (tail).

LEFT

RIGHT



Comments:

**Welfare
impacts of
lesions**

- [] **MILD** - single or multiple small lesions restricted to non-critical sites eg the tail
[] **MODERATE** - larger single lesions or multiple small lesions that involve critical site/s eg face, genitalia or footpads
[] **SEVERE** - very large single or multiple large lesions at critical sites, and any lesions exposing bone or joints

NOTES FOR REFERENCE (from previous page)

(Jackson 2007; Pahl 1987)

Female reproductive status

- **Non-parous:** has never bred. Pouch small, clean & dry with no skin folds; very small teats.
- **Parous:** has bred before but not currently. Pouch small & dry but distinct & dirty; slightly elongated teats.
- **Pregnant:** pouch pink, possibly with skin folds visible on lateral margins.
- **Pouch young present:** joeys in pouch; may be attached to teat.
- **Lactating:** young not in pouch but still suckling. Pouch large with flaccid skin folds; hair sparse & stained; skin smooth & dark pink; teats elongated.
- **Post-lactation:** teats expressing only clear liquid &/or regressing.

Male reproductive status

Testis dimensions

- **Sub-adult:** L= 10.5mm; W= 5.8mm ; **Adult:** L= 23.2mm; W= 16.5mm

Sternal scent gland activity (Brushtails only): Based on absence/presence of waxy glandular product; extent of hair loss over & staining of hair surrounding gland area

- **Little/no activity** ; **Medium level activity** ; **High activity**

Tooth wear class	BRUSHTAIL POSSUMS		RINGTAIL POSSUMS	
	Diagram	Age (years)	Diagram	Age (years)
1		0.9		1-1.5
2		1.2		0.5-1.2
3		1.7		0.5-3
4		3.7		1-3.5
5a		5.6		1.5-4
5b		6.8		
6a		8.9		2-5
6b		10.7		
7		11.4		2.5-4

Position & area of dentine (shaded) exposed in 7 classes of tooth wear of the first molar of the upper jaw