

DOLPHIN GROSS NECROPSY LONG FORM

LA 549

FIELD #: MEI-20110522- LA001	NECROPSY DATE: 5-23-11
OIL SPILL CODE: 2	STRAND DATE: 5-22-11
AGE CLASS: neonate / calf	STRAND LOCATION:
SEX: M	THAW DATE:
PROSECTOR(S): Cara Field & Sarah Gomez	CARCASS CONDITION CODE: Code 2
	TIME: START: 1530 END: 1930

Circle one: E = examined NE = not examined NA = not applicable
 NOTE: If unable to assess, circle NE and write why (ex: decomposed/missing/scavenged/etc.)

- Consider: (1) lesion
 (2) location within the body and symmetry,
 (3) distribution within the organ,
 (4) relationship to other organs/lesions,
 (5) approximate percent of organ affected/ severity,
 (6) amount/size
 (7) degree of demarcation,
 (8) shape/structure,
 (9) texture/consistency,
 (10) homogeneity,
 (11) color & odor

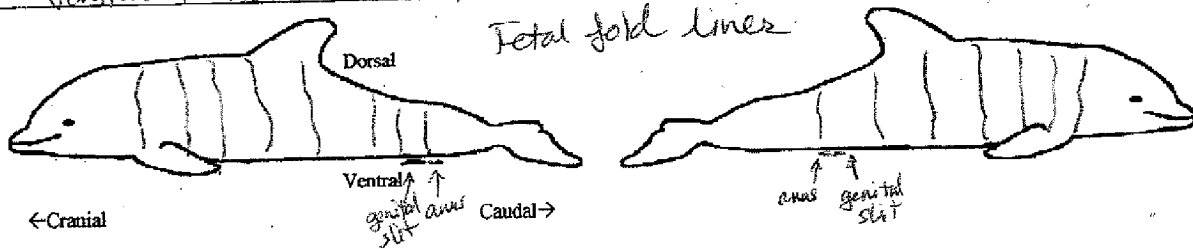
STRANDING OR SAMPLING HISTORY:

BODY CONDITION (EXTERIOR):

Emaciated: Visible transverse processes of the spine, pronounced nuchal concavity ("peanut head"), scapulae visible
 Thin: Concave/sunken dorsal body muscles, moderate nuchal concavity ("peanut head")
 Average: No bony prominences or nuchal concavity observed
 Robust: Bulging dorsal body musculature
Fetal fold lines still present on both sides, from anus to pectoral fin insertions.

SKIN / HUMAN INTERACTION: (E) / NE / NA

Life History (Circle if present): rostral hairs, rostral hair follicles, fetal folds (if present, count, draw & describe location below)
Describe the skin: texture (ex: leathery, rubbery), color
Look for: parasites, circular lesions, ulcers, rake marks, net marks, wounds, missing tissue/skin, bruising
If abnormalities present, describe: location, size (length, width, depth of penetration into body), missing tissue, number of parasites (ex: *Xenobalanus*, <10, 10-20, 20-50, >50)
Several rake marks: (4) lateral side between pec + ano-genital slit, and on ventrum (midline), 3 very small puncture wounds on ventral thorax in a row in between pec fins @ insertion.



FIELD #:

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PRESENT / ABSENT

DISCHARGES:

If present, note location: OCULAR, BLOW HOLE, ORAL, PENILE/VULVAR, ANAL, OTHER: _____
Describe (color, consistency): _____

UMBILICUS: (Circle:) Stump Present/ Stump Absent (hole only) / Recently Healed / Scarred / E / NE / NA

Life History (Circle): Umbilical stump: Patent (partly / completely) / Closed / Moist / Dry; Length: _____
Falciform ligament (umbilical vein) / Umb arteries: Patent (partly / completely) / Closed / NE
Urachal ligament (urachus): Patent (partly / completely) / Closed / NE

Notes: _____

BLUBBER: E / NE / NA

Describe (ex: color, texture)
Look for: Parasites Bruising, Penetrating wound, Foreign body, Mass (solid), Abscess (pus-filled), Cyst (watery fluid filled or empty), Scavenger damage
If abnormalities present, describe: location, size (length, width, and describe depth of penetration into body/missing tissue), approx. number of parasites (<10, 10-20, 20-50, >50)
NSF

SKELETAL MUSCLE: E / NE / NA

Describe (ex: color, texture)
Look for: gas bubbles, bruising / hemorrhage, mass (solid), abscess (pus-filled), cyst (watery fluid filled or empty), parasites
If abnormalities present, describe: location, size (length, width, and describe depth of penetration into body/missing tissue)
Also describe lymph nodes (ex: axillary, prescapular, mandibular) and note if enlarged/swollen, hardened, watery, and describe color (in cross section)
Notes: Epaxial musculature moderately pale, soft

Lymph nodes: Generalized lymphadenopathy / -megaly; espec. Thorax and mesenteric

SKELETON AND JOINTS: E / NE / NA

Describe: Although skeletons are not usually completely flensed, look for abnormalities during dissection
Look for: Broken bones, bony deformities, bony growths, foreign bodies
Note: Describe any nearby tissue damage.
Notes: Scapulo-humeral NSF; Atlanto-occipital NSF

EYES: Right: E / NE / NA Left: E / NE / NA

Look for: Missing, deflated, enlarged, out of socket, foreign body; penetrating wound
Notes: NSF

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(E) / NE / NA

ORAL CAVITY:

TEETH: (CIRCLE ONE) Unerupted, Just erupting, Fully erupted

Look for: Missing; Broken; Worn (some / all); Discharge

Notes:

Describe inside the mouth: (ex: are there papillae on tongue?)

Notes: Papillae on tongue - prominent.

THORACIC CAVITY:

(E) / NE / NA

Free fluid in thoracic cavity: Present / Absent

Describe if present (amount, color, consistency) Blood - in Rt thorax only - 250mls

Look for: Penetrating wound, Foreign body, Mass, etc.

Also describe lymph nodes (ex: lung-associated, tracheobronchial, etc.)

Look for: enlarged/swollen, hardened, watery, and describe color (in cross section)

Notes: Large clot (~ 8 x 9 cm) in ventral thoracic cavity in addition to frank blood.

Multiple thoracic LN enlarged

ESOPHAGUS:

(E) / NE / NA

CONTENT (AMOUNT / DESCRIBE) (Ex: empty, fish, digesta, blood)

Describe esophagus tissue: (ex: color)

Look for: Discoloration, Foreign body, Ulcer, Mass, Dilated / Constricted, Obstruction, Parasites (<10, 10-20, 20-50, >50)

If abnormalities present, describe: location, size (length, width, depth), texture

Notes: NSF

THYROID:

(E) / NE / NA

Describe color (pale tan, pale pink, red, purple), uniformity of color:

Notes: NSF

THYMUS:

(E) / NE / NA

LIFE HISTORY: Involved, Present

Notes:

TRACHEA / BRONCHI / LUNGS:

(E) / NE / NA

AIRWAY CONTENT (AMOUNT/LOCATION/DESCRIBE): (ex: foam, mucous, blood, pus, digesta)

DESCRIBE UNIFORMITY OF COLOR, TEXTURE OF LUNGS (EX: PINK, LIGHT AND SPONGY):

LOOK FOR: parasites, congestion with blood, nodules (ex: mass, abscess, parasite-filled), hardness, symmetry, fluid

If abnormalities present, describe: location, percentage of lung affected

Notes: Trachea + mainstem bronchi: Numerous long worms present throughout.

Large "clot" of worms mid-bronchus (L) side; numerous in bronchioles also.

Parenchyma: (R) lung appears to have fracture on lateral surface, w/ 3 lines -

each 6-8 cm long, + blue/green/purple discoloration of lung surface. Cut surface contains irregular cavitated space filled w/ blood clots; approx 6 cm wide x 5 cm (sagittal) by 3 cm internal diam.

Both lungs have large #'s worms throughout parenchyma.

FIELD #:

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(E) NE / NA

HEART / PULMONARY ARTERIES / AORTA:

Congenital: (not applicable in adults)

Ductus arteriosus (connection between aorta and pulmonary artery): (Circle one: OPEN / CLOSED), NE

Foramen ovale (connection between right and left atria): (Circle one: OPEN / CLOSED), NE

Describe pericardial sac, note presence and amount/color/consistency of fluid between sac and heart muscle.

Describe heart chambers, vessels, valves (color, thickness, size) and note any fat surrounding heart muscle.

Look for: abrupt changes in vessel diameter (constriction/dilation), discoloration, thickened valves, masses

Notes:

Heart NSF (mitral valve dark red)

ABDOMINAL CAVITY:

(E) NE / NA

Free fluid in abdominal cavity: Present / Absent

Describe if present (amount, color, consistency)

Look for: Penetrating wound, Foreign body, Mass, etc.

Also describe lymph nodes (ex: mesenteric, colonic, inguinal, etc.)

Look for: enlarged/swollen, hardened, watery, and describe color (in cross section)

Notes:

Generalized lymphadenopathy (colonic, mesenteric etc)

LIVER:

(E) NE / NA

Describe: (color, texture, sharp vs rounded edges)

Look for: Parasites, thick liver capsule, spotted appearance (externally or on cross section), Nutmeg coloration, congestion, Mass (solid), Abscess (pus-filled), Cyst (watery fluid filled or empty)

If abnormalities present, describe: color, location, size (length x width x depth)

Notes:

Dark red, NSF

SPLEEN:

(E) NE / NA

Describe: (shape, size, color)

Look for: Accessory spleens (splenules), congestion, discoloration / mottled

Notes:

Approx 3x4x4 cm; soft / congested otherwise NSF

PANCREAS:

(E) NE / NA

Describe: (shape, size, color, texture)

Notes:

pale tan/pink

STOMACH:

E (NE) / NA

IF COLLECTED WHOLE, SKIP SECTION.

Stomach contents (amount / describe): (Ex: empty, gas, fish, foreign body)

Look for: Parasites, ulcers, perforations, obstructions

If abnormalities, describe: which chamber and describe size, color, percentage of stomach affected

Notes:

Tied off & submitted whole.

(E) / NE / NA

SMALL INTESTINE:

Content (amount / describe): (Ex: Empty, Digesta, Frank blood (red), Digested blood (black/tarry))

Look for: Parasites, Discoloration, Foreign body, Perforation, Mass, Hardening, etc.

If abnormalities present, describe: Size, location, etc.

Also describe lymph nodes (ex: mesenteric).

Notes:

NSF

(E) / NE / NA

LARGE INTESTINE:

Content (amount / describe): (Ex: Empty, pasty feces, tarry feces, meconium (neonatal green-brown feces))

Look for: parasites, discoloration, foreign body, perforation, mass, hardening

If abnormalities present, describe: Size, location, etc.

Notes:

Feces light brown - NSF

ADRENAL GLAND:

Right: (E) / NE / NA

Left: (E) / NE / NA

Ratio of cortex to medulla:

Right Adrenal: 1:1

Left Adrenal: 1:1

Describe (color on cross-section, texture)

Look for: nodules/masses, different sizes (right vs left), hemorrhage

If abnormalities present, describe: Size, location, etc.

Notes:

NSF

(E) / NE / NA

URINARY BLADDER:

CONTENT (AMOUNT / DESCRIBE): (Ex: Clear, Opaque, Yellow, Red, gritty)

Look for: ulcer, dilated / constricted, rupture, proliferation, thickened, mass (solid), abscess (pus-filled), cyst (watery fluid filled or empty), stones

If abnormalities present, describe: location, size, etc.

Notes:

empty, mucosa NSF

KIDNEY:

Right: (E) / NE / NA

Left: (E) / NE / NA

Describe: (texture, color, color on cross section, etc.)

Look for: differences in size (compared to each other), dilation, Mass (solid), Abscess (pus-filled), Cyst (watery fluid filled or empty), stones

If abnormalities present, describe: location, size, etc.

Notes:

Soft but NSF

FIELD #: LA549 TB cat

E / NE / NA

MALE REPRODUCTIVE TRACT:

Life history: Evaluate size of testes (Circle one: Active (swollen), Immature) [measure if unsure]

Describe testes and penis (ex: uniformity in color and texture on cross section of testes)

Look for: Differences in size (compared to each other), mass (solid), abscess (pus-filled), cyst (watery fluid filled or empty)

If abnormalities present, describe: organ, location, asymmetry, size, texture

Look for and describe lymph nodes (ex: inguinal)

Notes: NSF

FEMALE REPRODUCTIVE TRACT (Ovaries, Uterus, Cervix, Vagina, Vulva)

E / NE / NA

PREGNANT? Y / N

***Complete Neonatal Characters Sheet for fetus if present; collect placenta.**

Life history: Reproductively active females will have cyst-like structures on their ovaries—if present, count, describe color, contents, and size.

Describe all reproductive organs (ex: color, texture, size)

Look for: differences in ovarian and uterine size (compared to the other side), distention, enlargement, scarring, pregnancy, Mass (solid), Abscess (pus-filled), Cyst (watery fluid filled or empty)

If abnormalities present, describe: organ, location, asymmetry, size, texture.

Look for and describe lymph nodes (ex: inguinal)

MAMMARY GLANDS/ NIPPLES:

Look for and describe: Lactating, Non-lactating, Mass (solid), Abscess (pus-filled), Cyst (watery fluid filled or empty)

Notes:

INSIDE SKULL:

E / NE / NA

Describe inside of skull bones and associated membranes (color, thickness, presence of fluid, etc).

Note: Dura mater is the outer lining of the brain that lies next to the skull. Assess carefully for bruising, thickening, etc.

Notes: NSF

BRAIN:

Cerebrum: E / NE / NA
Brain stem: E / NE / NA

Cerebellum: E / NE / NA

Describe (uniformity of color, texture):

Look for: Asymmetry, Bruising, Fluid, Mass (solid), Abscess (pus-filled), Cyst (watery fluid filled or empty)

If abnormalities present, describe: size, location, texture, number of lesions, etc.

Notes: NSF

SPINAL CORD:

E / NE / NA

Spinal cord in code 3-4 animals is usually decomposed; assess at base of skull if necessary.

Describe: uniformity of color, texture and size, location, etc. of any abnormalities.

Notes: only examined cranial ~4cm - NSF