

DOLPHIN GROSS NECROPSY LONG FORM

FIELD #: <u>MGT 20110520-LA00L</u>	NECROPSY DATE: <u>5/24/11</u>
OIL SPILL CODE: <u>LA 550 (code 3)</u>	STRAND DATE: <u>5/20/11</u>
AGE CLASS: <u>neonate (late)</u>	STRAND LOCATION:
SEX: <u>M</u>	THAW DATE: <u>5/23/11</u>
PROSECTOR(S): <u>Carey Field,</u>	CARCASS CONDITION CODE: <u>code 34</u>
<u>Johnny Shelley</u>	TIME: START:                      END:

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

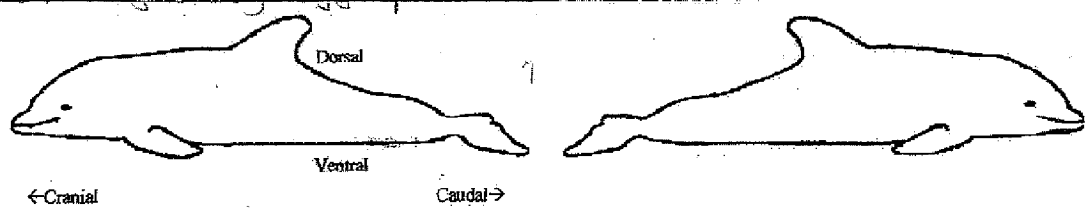
**STRANDING OR SAMPLING HISTORY:**  
Found 5/20/11.  
Frozen & thawed - late code 3

**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

**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 see data  
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: *Xenobalamus*, <10, 10-20, 20-50, >50)

see attached Neonate characteristics sheet  
Skin falling off peduncle & tail.



FIELD #: LASSO / MCT 201105 10-11001

**DISCHARGES:** PRESENT / ~~ABSENT~~

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: Appear to be partly patent, but not fully able to determine

**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: small # emphysema - post-mortem likely.  
Bruising/hemorrhage (gelatinous) pt dorsum ~ 15x10 oblong, & 10x12cm ventral neck  
Lymph nodes NSF

**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 occip. NSF

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

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

Notes: Both slightly deflated (storage/post-mortem most likely)

FIELD # LASSO/ MCT 2010S W-LIN.

**ORAL CAVITY:** (E) NE / NA

**TEETH:** (CIRCLE ONE: ~~Unerupted~~ Just erupting Fully erupted)  
**Look for:** Missing; Broken; Worn (some / all); Discharge NOT erupted  
**Notes:** Maxillary (caudal) teeth erupting; not mandibular  
 Describe inside the mouth: (ex: are there papillae on tongue?)  
**Notes:** Few papillae remain on tongue, but tip decomposed/blooded.  
Papillae evident.

**THORACIC CAVITY:** (E) NE / NA

**Free fluid in thoracic cavity:** Present / Absent  
 Describe if present (amount, color, consistency) Poss. small # blood - frozen bloody ice in  
**Look for:** Penetrating wound, Foreign body, Mass, etc. thorax but could  
 Also describe lymph nodes (ex: lung-associated, tracheobronchial, etc.) be 2° to 4th  
 Look for: enlarged/swollen, hardened, watery, and describe color (in cross section)  
**Notes:**  
LW WNL

**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:** 4 cm region from distal goosbeak -> appears dark red  
(darker than remaining tissue.)

**THYROID:** (E) NE / NA

**Describe color** (pale tan, pale pink, red, purple), uniformity of color.  
**Notes:** NSF (pale)

**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 dark red mucosa, mottled, extending to goosbeak.  
Mainstem bronchi appear darker/bloodier than normal.  
Lungs: mottled dark red/purple, were inflated though  
congested (float in formalin). Surrounding vasculature  
appears hemorrhagic.

FIELD #: LA 550 / MCT 2040520

**HEART / PULMONARY ARTERIES / AORTA :** (E) / NE / NA

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: both valves (AV) appear dark red; rest NST

**ABDOMINAL CAVITY:** (E) / NE / NA

Free fluid in abdominal cavity: Present / Absent

Describe if present (amount, color, consistency) unsure - frozen bloody red ice pieces present - possibly was blood.

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: Mesenteric LN mild-mod enlarged.

**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: Very autolyzed / soft

**SPLEEN:** (E) / NE / NA

Describe: (shape, size, color)

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

Notes: very autolyzed / soft

**PANCREAS:** (E) / NE / NA

Describe: (shape, size, color, texture)

Notes: Very autolyzed / soft

**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 + frozen whole.

FIELD #

LA 534 MCT 20110520-0100

**SMALL INTESTINE:**

E /  NE /  NA

**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: sm # brown digesta - autolyzed

**LARGE INTESTINE:**

E /  NE /  NA

**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: dark brown thick feces

**ADRENAL GLAND: Right:**  E /  NE /  NA

**Left:**  E /  NE /  NA

**Ratio of cortex to medulla:** Right Adrenal: \_\_\_\_\_ Left Adrenal: \_\_\_\_\_

**Describe (color on cross-section, texture)**

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

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

Notes: Could not assess ratio - autolyzed - all fissure dark red

**URINARY BLADDER:**

E /  NE /  NA

**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: very autolyzed / soft

FIELD #:

LASSO / MGT 20110520-1111

**MALE REPRODUCTIVE TRACT:**

E / NE / NA

**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: Skull sutures have not fused - are not lined up fully. Did not open skull.

**BRAIN:**

**Cerebrum:** E / NE / NA

**Cerebellum:** E / NE / NA

**Brain stem:** 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:

see above

**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: examined cranial SC - NSF