

DOLPHIN GROSS NECROPSY LONG FORM

FIELD #: LA-533 / BCF-20110409-1100	NECROPSY DATE: 4/28/11
OIL SPILL CODE:	STRAND DATE: 4/9/11
AGE CLASS: Adult	STRAND LOCATION:
SEX: M	THAW DATE: 4/26/11
PROSECTOR(S): Maclean, Smith	CARCASS CONDITION CODE: 3
	TIME: START: 10:30a END: 3pm

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:

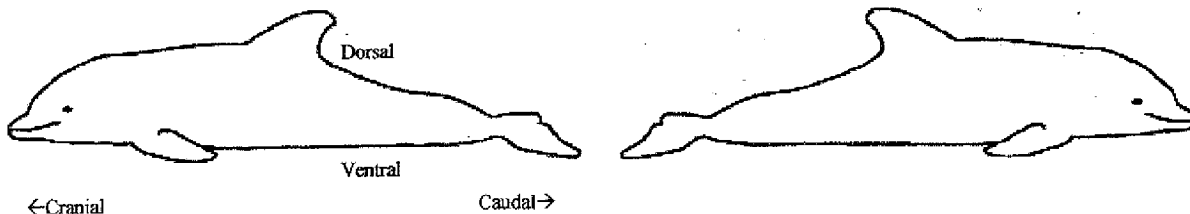
BODY CONDITION (EXTERIOR):

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

No Signs of Trauma

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 *gray to tan, sloughing in few areas*
Look for: parasites, circular lesions, ulcers, rake marks, net marks, wounds, missing tissue/skin, bruising *- none*
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)



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FIELD #:

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) normal - no parasites seen
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) hematoma ventral mandible
hemorrhage / hematoma in melon

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: hematoma ventral mandible - diffuse

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: Shoulder joints w/ no exuberance, but occipital joint is hemorrhagic, exuberant, and mildly friable focally. Hemorrhage appears to emanate from spinal cord

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

Look for: Missing, deflated, enlarged, out of socket, foreign body; penetrating wound
Notes: Deflated OU, cornea melted away in hard OO. No aqueous humor present OU

ID #

ORAL CAVITY:

(E) / NE / NA

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

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

Notes: Ventral Mandibular Hematoma

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

Notes: Missing many teeth, all worn, but above gum line

THORACIC CAVITY:

(E) / NE / NA

Free fluid in thoracic cavity: Present / Absent

Describe if present (amount, color, consistency) Blood - copious

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: Lymph nodes were inguarent and not found

ESOPHAGUS:

(E) / NE / NA

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

Describe esophagus tissue: (ex: color) - yellow mcosa

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:

THYROID:

E / (NE) / NA

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

Notes: not located

THYMUS:

E / (NE) / NA

LIFE HISTORY: Involved, Present

Notes: not present

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 & Bronchi filled with blood, hemathoxar
Lungs appear congested with blood - multifocal, but large pink & flat in most sections - no parasites seen
origin of blood is unclear

FIELD #:

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: ENDOCARDIUM OF RIGHT VENTRICLE CONGESTED - red
no fat around heart

ABDOMINAL CAVITY:

E / NE / NA

Free fluid in abdominal cavity: Present / Absent

Describe if present (amount, color, consistency) Blood - watery fluid

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: Hemabdomen, mesenteric LN WNL - grey on X-section
No adenitis

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: Multinodular - No cirrhosis vs neoplasia

SPLEEN:

E / NE / NA

Describe: (shape, size, color)

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

Notes: Spleen appears flattened, black in color due to partially frozen specimen

PANCREAS:

E / NE / NA

Describe: (shape, size, color, texture)

Notes: WNL

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: Collected whole

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: no parasites seen

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: fluid dark feces - no parasites

ADRENAL GLAND: Right: E / NE / NA

Left: (E) / NE / NA

Ratio of cortex to medulla: Right Adrenal: _____ Left Adrenal: 1:3

Describe (color on cross-section, texture)

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

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

Notes: autolyzed

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: urine collected 2x -> PAH into icken walk

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: NSP

FIELD #:

(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: Symmetrical

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: Occipital condial - fibreal + hemorrhage
Dura mater 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: Cerebellum congestion, Grey area of left cerebrum
~ 4cm in diameter

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: Hemorrhage filled spinal cord