

**DOLPHIN GROSS NECROPSY LONG FORM**

FIELD #: <i>SDD-20110403-LA001/LA499</i>	NECROPSY DATE: <i>Sep 14, 2011</i>
OIL SPILL CODE:	STRAND DATE:
AGE CLASS:	STRAND LOCATION:
SEX:	THAW DATE: <i>Sep 12, 2011</i>
PROSECTOR(S): <i>B MacLean, S Smith, J Noble</i>	CARCASS CONDITION CODE:
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:**

**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 sloughing, Deep penetration of parasite w/ spinal separation  
Tissue (fibrous) protruding from eye sockets and anus*

**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)

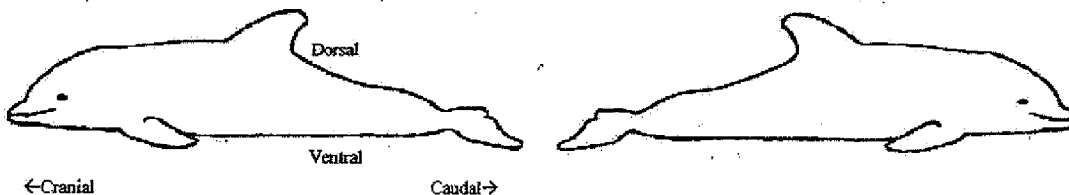
---



---



---



FIELD #: SDD-20116403-LA001/LA499

**DISCHARGES:**

**PRESENT / ABSENT**

If present, note location: **OCULAR, BLOW HOLE, ORAL, PENILE/VULVAR, ANAL, OTHER:**

Describe (color, consistency): fibrous tissue from sinus / ocular sockets

**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: Undetermined due to decomposition

**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: 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: NSF

**EYES:**

**Right: E / NE / NA**

**Left: E / NE / NA**

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

Notes: MISSING OU

FIELD # SDD-20110403-LA001/LA499

**ORAL CAVITY:**

E / NE / NA

**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:** \_\_\_\_\_

**THORACIC CAVITY:**

E / NE / NA

**Free fluid in thoracic cavity:** Present / Absent

Describe if present (amount, color, consistency)

**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:** \_\_\_\_\_

**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:** \_\_\_\_\_

**THYROID:**

E / NE / NA

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

**Notes:** \_\_\_\_\_

**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:** collected large for viral

**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: \_\_\_\_\_

**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: \_\_\_\_\_

**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: collected - normal

**SPLEEN:**

**E / NE / NA**

*Describe:* (shape, size, color)

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

Notes: collected - normal

**PANCREAS:**

**E / NE / NA**

*Describe:* (shape, size, color, texture)

Notes: not present

**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: cut insubstantially into 1st chamber - whitish thick lumpy contents spilled out

FIELD # SDD-20110403-LA001/LA499

**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: Appeared that duodenum went directly to descending colon in a straight line - no apparent jejunum  
no abrupt vs. extension by peristalsis - appeared patent from duodenum -> colon, but severely catalyzed

**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: Small amt contents (colic).

**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: collected R

**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:

**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:

FIELD #: SDD-20110403-LADD1/LA499

**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: prostate / atrophy

**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: prostate / atrophy

**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: fontanelle sutures atrophy and fall apart

**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: collared brain sludge for viral

**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: