

GROSS NECROPSY REPORT

SPECIES *Tursiops truncatus* **FIELD NUMBER** 40IMMS022711 **DATE** 2/28/11

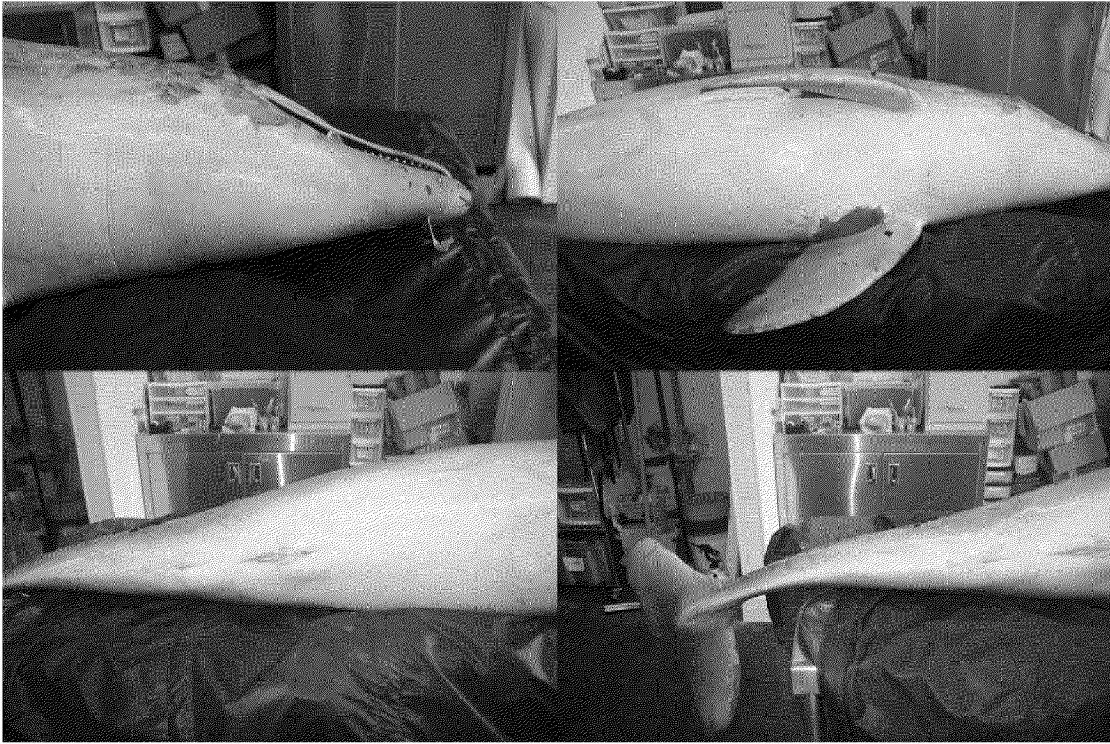
LOCATION Fowl River, Mobile Bay, AL **LAT**30.45573 **/LONG** -88.10545

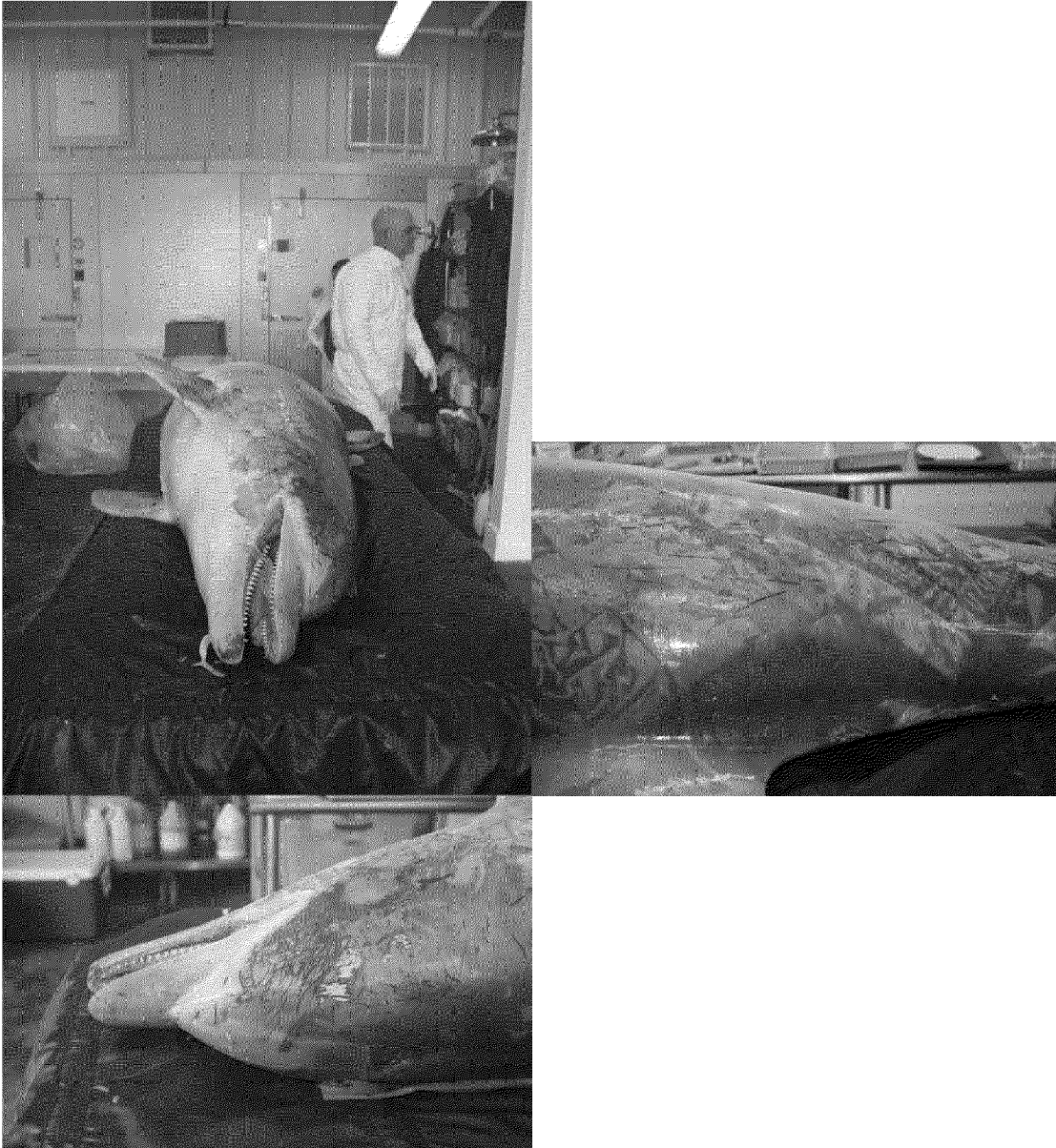
GENDER Male **TL** 225.5 cm **COND** Early code 3 **WEIGHT** Approx 215.9 kgs

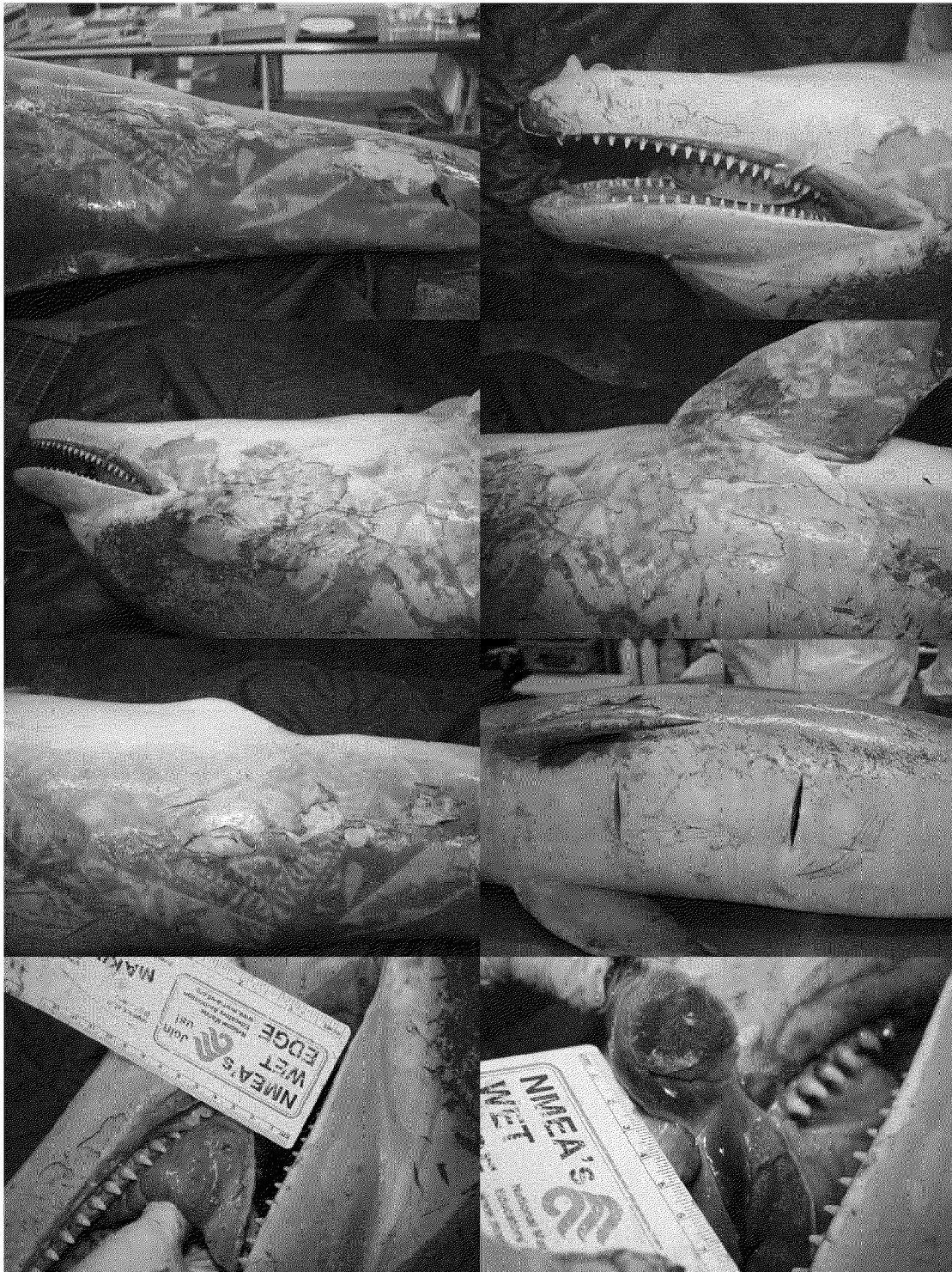
HISTORY: Found dead

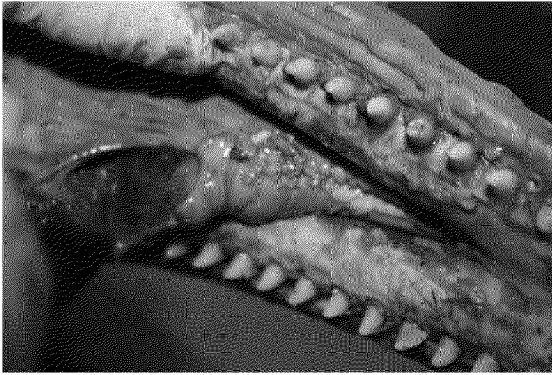
NECROPSY

EXTERNAL EXAM: Upper right jaw- 25 teeth, 4th from rear worn at an angle, 21, 22, 23 broken at an angle, 24 smaller than normal, 25 broken at gumline. Lower right jaw- Multiple excoriations. 21 teeth. Scrapings with skin loss over right eye. Right eye present. Skinloss over right neck and shoulder area. Multiple linear excoriations on right lateral body. 2 conspecific rake marks, scars, on dorsal shoulder area. Distal end of right flipper- conspecific rake marks and loss of skin. Right dorsal fin- multiple scars, conspecific rake marks, caudal tip skin loss. Dorsal peduncle- multiple healing and scarred conspecific rake marks. Distal right fluke- multiple healed and healing conspecific rake marks. Tip left fluke- multiple healing conspecific rake marks. Ventral mid abdomen- 2 healing conspecific rake marks. Medial and lateral left fluke- 2 healing conspecific rake marks. Serosanguineous fluid discharge from blowhole. Edema and bruising on the ventral aspect of the tongue. Left upper jaw- 25 teeth, 4th from back chipped, 13th broken diagonally, 18,19,20 chipped distally. Left bottom jaw- 21 teeth. Raised, rough, thickened lesion on the lingual surface of the mandible. Sample collected for virology. Conspecific rake mark above left eye. Left eye present. Multiple linear lesions on left flipper and side of body- possible avian scavenger marks. Medial and lateral left flipper- conspecific rake mark scars. Loss of skin on lateral peduncle. Semicircular lesion, superficial anterior to dorsal fin on left lateral side.

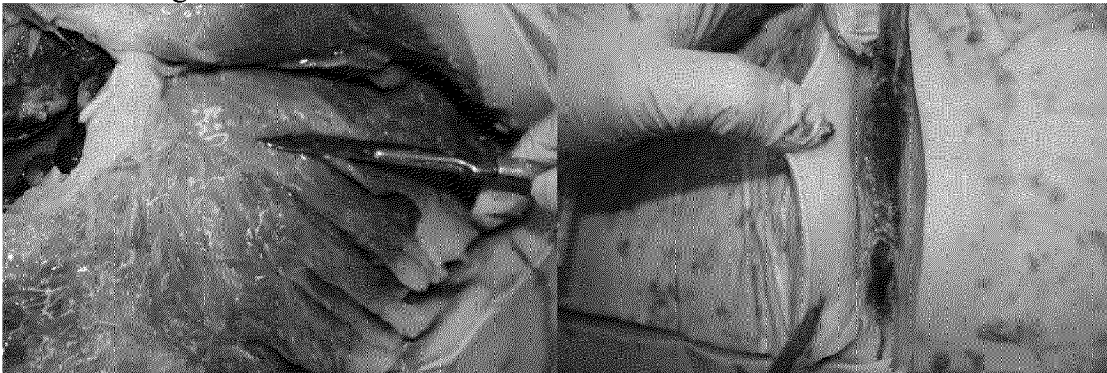








INTERNAL EXAM: Serosanguineous fluid in both shoulder joints. Slight icterus to blubber. Edema in ventral midline sub-blubber between the pectoral fins. Sub-blubber tissue adhering to blubber.



BLUBBER: Icteric colored. In front of dorsal fin- Dorsal-1.6 cm, lat- 1.0 cm, ven- 2.4 cm.

MUSCULOSKELETON

Axial Muscle: Hemorrhage and edema on lower jaw.

Axial Skeleton: No fractures found.

Ribs & Sternum: Bone marrow appeared dry.

CIRCULATORY SYSTEM

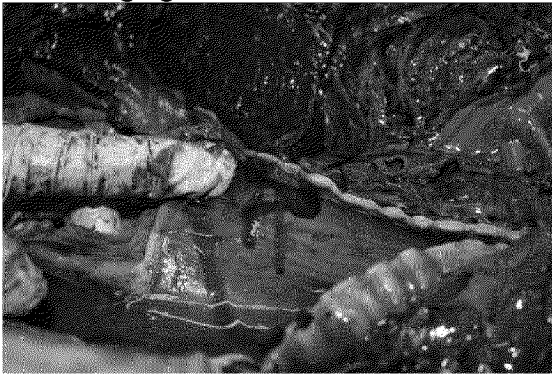
Heart: Bruising (hemorrhage/edema) on hilar area. Hemorrhaging/edema along the coronary vessels. Whitish, soft material along the coronary vessels. Serosanguineous fluid in the pericardial sac. Diaphragm, ventral aspect hemorrhagic, edematous.



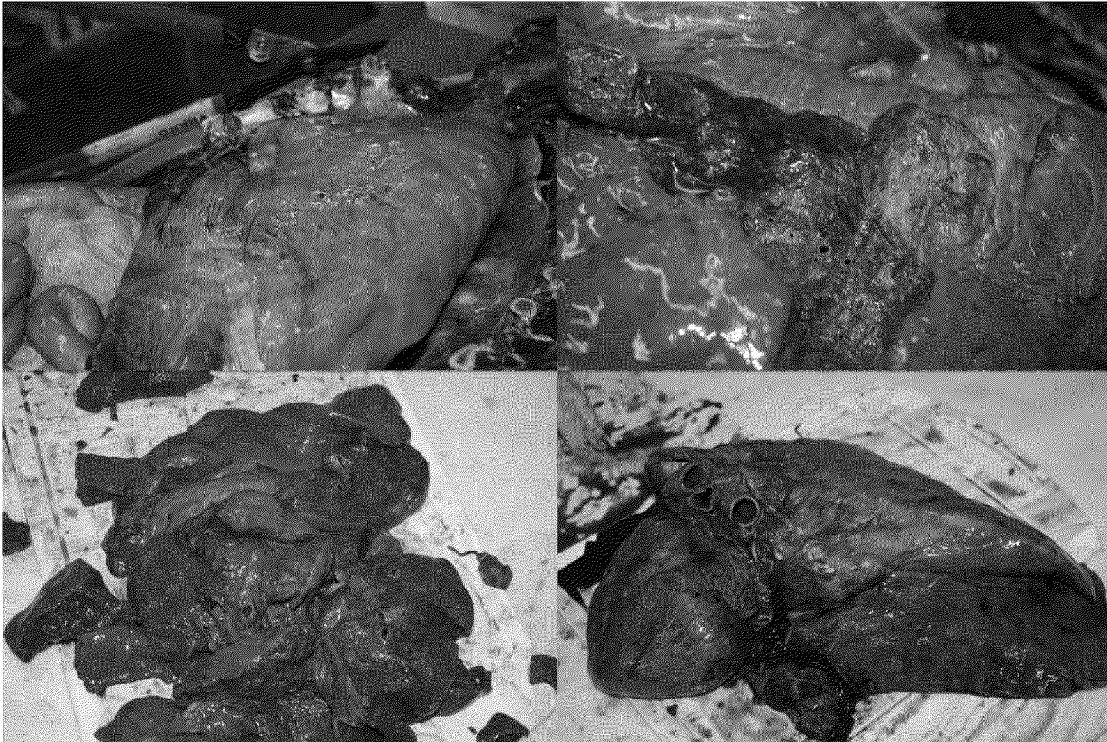
RESPIRATORY SYSTEM

Blowholes: Serosanguineous fluid in blowhole.

Trachea: Serosanguineous fluid in trachea. Greenish red tracheal mucosa, hemorrhaging in submucosal area.



Lungs: Multiple firm 0.5 to 1.0 cm nodules in both lungs. Parenchyma dark black red.



DIGESTIVE SYSTEM

Esophagus: Black soft flakes in esophagus. No ulcers, parasites or food found.



Fore Stomach: Mud consistency black material on stomach lining. No ulcers, parasites or food found. Mesentery adhered to main stomach.



Main Stomach: No ulcers, parasites or food found. Two otoliths found.

Pyloric Stomach: No ulcers, parasites or food found.

Intestine: No ulcers, parasites or food found.



Describe food-stuffs found in GI Tract: No food. Black mud-like material.

Describe parasites found in GI Tract: no parasites.

Liver: Dark red, black colored. 3 areas of fibrin tags. Firm.

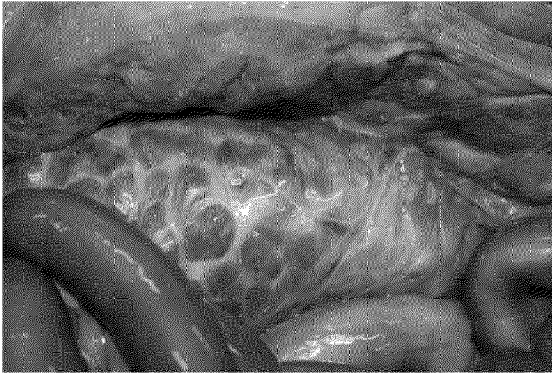


Pancreas: Appeared large. Had some areas which were a harder consistency (nodules) and yellowish colored.



URINARY SYSTEM

Kidneys: No stones found. Dark red colored reniculi. Whitish thickened capsule.



Adrenals: Dark red colored.

Urinary Bladder: No stones found. Approx 30 mls of urine in bladder.

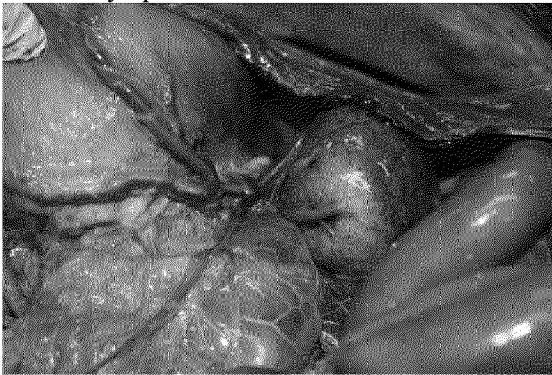
ENDOCRINE & HEMOLYMPHATIC SYSTEMS

Thymus: not present.

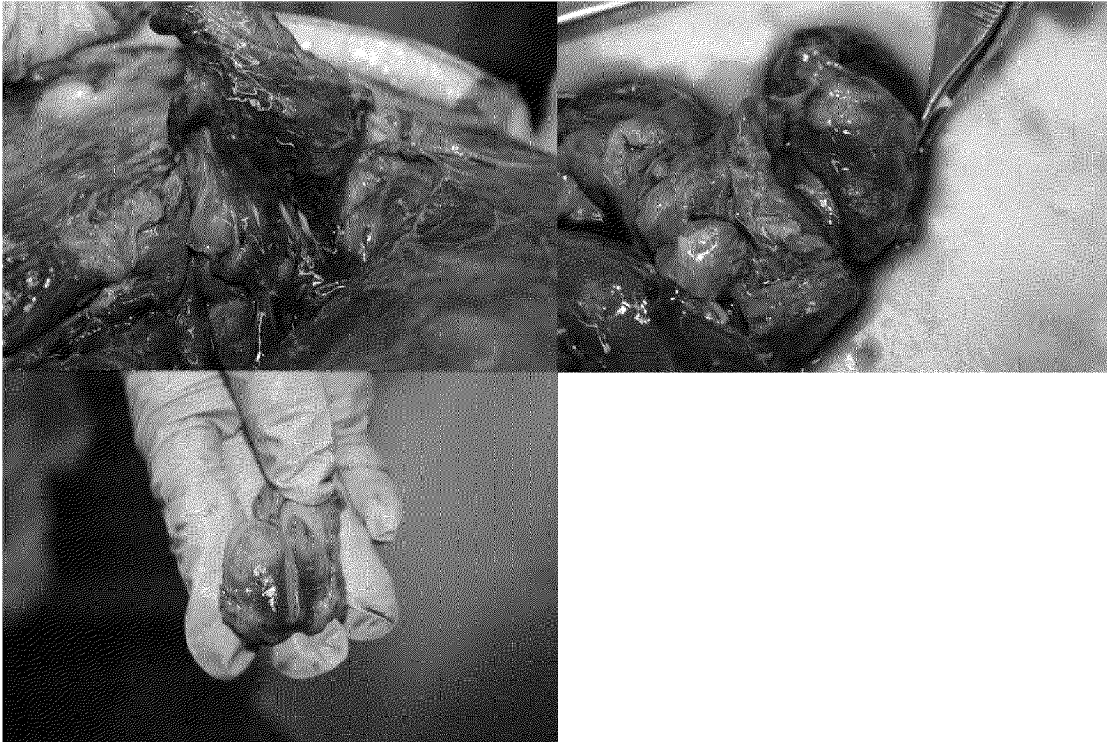
Thyroid: Dark tan colored.

Pituitary: Dark brown colored. Soft.

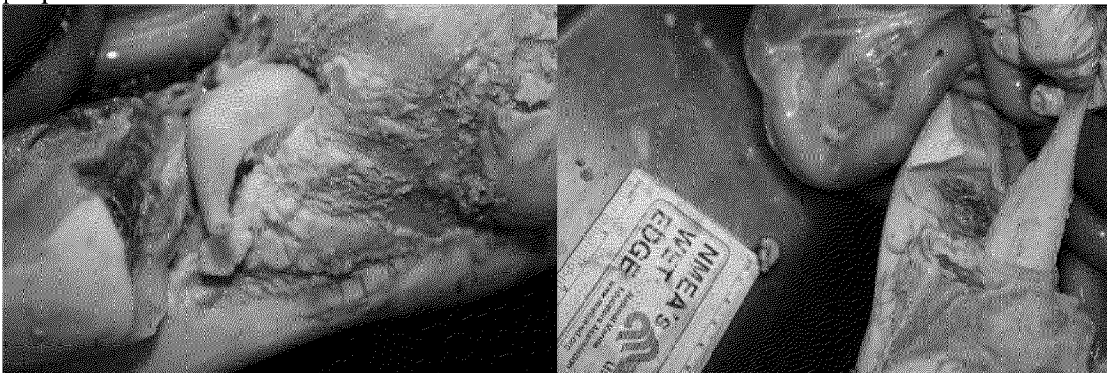
Spleen: Whitish grey serosa with purple spots. Dark red, homogenous medulla. 3 small accessory spleens- 3 mms diameter.



Lymph Nodes: Prescapular ln- necrotic, blackish green with irregular cream colored areas. Hemorrhaging in ln and surrounding tissue. Colonic ln- ½ cream colored, other half greenish colored. Hilar ln and ventral lung ln- dark red.

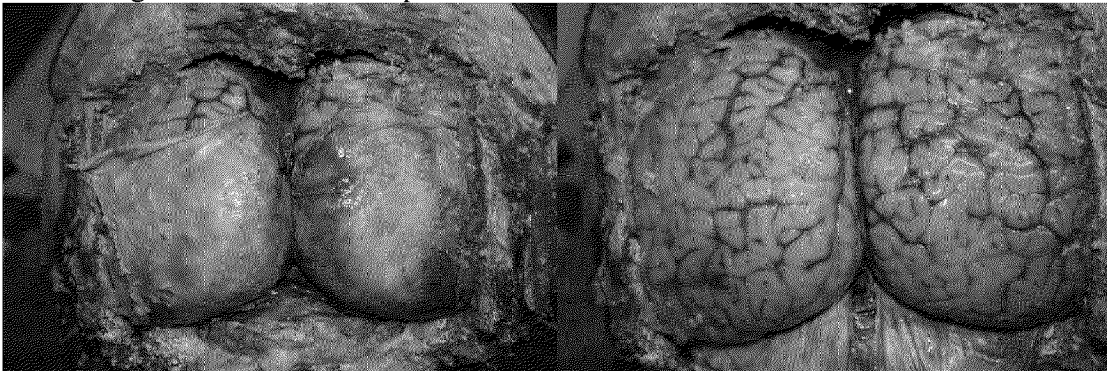


REPRODUCTIVE TRACT: Right testicle felt softer, spongier than left. Right- 11 cm x 2.4 cm x 1 cm. Left- 11 cm x 2 cm x 1.2 cm. Thickened rough, raised skin in the ventral prepuce area.



CENTRAL NERVOUS SYSTEM

Brain: Slight increase size of superficial vessels.



Spinal Cord: Hematoma present on dorsal aspect of spinal canal.



HEAD

SENSORY ORGANS

Eyes: Both present.

CONCLUSIONS: Multiple abnormal ln- necrotic, hemorrhagic. Hematoma on dorsal spinal canal. Serosanguineous fluid in blowhole, pericardial sac, abdominal cavity. Hemorrhagic lungs. Hemorrhage on dorsal (hilar) aspect of heart and coronary vessels.

Carcass Disposition: Frozen at IMMS

CAUSE OF DEATH FROM FIELD DETERMINATION: Could not be determined

This report was generated by: Dr. Connie Chevis

TISSUES COLLECTED

NOAA

Lung
Spleen
Colonic ln
Liver

Frozen: IMMS X 6

Blubber
Muscle
Liver
Teeth
Kidney-L
Heart blood
Urine
Stomach contents
Skin
Spleen
Tongue
Bone marrow (3)
Lung

Histo (10% Buffered Formalin): DROT x1 , IMMS X2

Lung
Trachea
Heart- R, L Atrium, R,L Ventricle, coronary vessels.
Aorta
Pulmonary artery
tongue
Esophagus
Stomach
Duodenum
Ileum
Colon
Pancreas
Spleen
Liver
Kidney-L
urethra
Urinary bladder
Blubber
Bone marrow
Spinal cord
Adrenal
Muscle
Lymph nodes- Prescapula, Hilar, Ventral lung, colonic, mesenteric
Pituitary
Testis
Prepucc lesion
Lung lesions
Stomach- 1st, 2nd, 3rd

Histo (10% Buffered formalin) in separate container- IMMS/ Lyn Study

Brain
Eyes

Hydrocarbon: X2

Liver
Lung
Blubber

Viral: Dr. Romero

Lung
Spinal cord
Spleen
Liver
Tongue lesion
Prepucc lesion
Penis
Pancreas/ pancreatic lesion
Spinal fluid
Swabs: Prescapular ln, abdominal fluid, thoracic fluid.

Bacterial culture and Sensitivity, fungal culture- Swabs. Memorial hospital Gulfport

Prescapular ln

Abdominal fluid

Thoracic fluid- 1+ Gram negative rod (prelim)

PHOTOS/VIDEO: Yes/No

ASSOCIATED DATA SHEETS: Level A Data Form, Delphinid Specimen record, IMMS MM
Necropsy sample form, NOAA Chain of custody record- PAH.