

**GROSS NECROPSY REPORT**

**SPECIES** Tursiops truncatus **FIELD NUMBER** 76IMMS080510 **DATE** 08/05/2010

**LOCATION** 1.5 miles from Pass Christian Harbor, MS **LAT** 30.17.372/**LONG** 89.16.432

**GENDER** Female **TL** 141 **COND** 2 **WEIGHT** Approx 31 kgs

**HISTORY:** Found floating dead in oiled water.

**NECROPSY**

**EXTERNAL EXAM:** Flaky white dried substance on skin. Left dorsal fluke- multiple fresh conspecific rake marks. Ventral left fluke- 1 fresh conspecific rake mark. Left flipper- fresh conspecific rake marks. Right dorsal fluke- fresh conspecific rake marks and conspecific rake mark scars, 0.5 cm circular punctuate light gray discolored lesion. Left dorsal fin- Long, conspecific rake mark on cranial aspect. Right flipper, medial aspect- multiple fresh, bleeding conspecific rake marks with 1 cm area of skin missing. Vibrissae follicles visible on upper jaws. Blood coming out of mouth and blowhole. Left lower jaw- 3 teeth erupted. Upper left jaw- 15 teeth erupted. Upper right jaw- 19 teeth erupted. Purulent discharge from left eye.

**INTERNAL EXAM:**

**BLUBBER:** Petechial hemorrhage.

**MUSCULOSKELETON**

**Axial Muscle:** Subcutaneous tissue dry. Bruising of peritoneal lining ventral midline ventral to liver.

**Axial Skeleton:** No fractures visible.

**Ribs & Sternum:** Fracture of 4,5,6,7 right ribs dorsal to costosternal junction. Fracture of 8 and 9<sup>th</sup> ribs on dorsal aspect.

**CIRCULATORY SYSTEM**

**Heart:** Valves normal. No congenital defects found. Coronary arteries normal.

**RESPIRATORY SYSTEM**

**Blowholes:** Blood coming out of blowhole

**Trachea:** Mucosal hemorrhage trachea and bronchi.

**Lungs:** Left lung- Ecchymotic hemorrhage. Generalized irregular sized granulomas ranging in size from 0.5 cm to 2 cm. Granulomas had yellowish green caseous material. Cranial lobe- 2 greenish red circular lesions- 4 cm x 2 cm, 3 cm x 2 cm. Smaller lesion had with two healing puncture wounds. Right lung hemorrhagic with 9 cm laceration. Clotted blood in right thorax. Generalized irregular sized granulomas in right lung. Mild small white parasites found in right lung. One granuloma contained multiple small white linear parasites.

**DIGESTIVE SYSTEM**

**Esophagus:** Blood tinged liquid with white flecks in esophagus

**Fore Stomach:** Approximately 25 mls of reddish brown fluid. No ulcers. No parasites.

**Main Stomach:** Empty. No parasites.

**Pyloric Stomach:** Large amount of brownish tan liquid. No parasites seen.

**Intestine:** No parasites seen.

**Describe food-stuffs found in GI Tract:** Reddish brown fluid.

**Describe parasites found in GI Tract:** None found.

**Liver:** Bruising between liver and diaphragm

**Pancreas:** Pink. Bile orange colored.

**URINARY SYSTEM**

**Kidneys:** No stones seen. Firm, normal appearance to renaculi

**Adrenals:** Reddish brown, firm.

**Urinary Bladder:** Empty. No stones found.

**ENDOCRINE & HEMOLYMPHATIC SYSTEMS**

**Thymus:** Large, white.

**Thyroid:** Dark red.

**Pituitary:** Dark red.

**Spleen:** Dark red.

**Lymph Nodes:** Suprascapular ln- hemorrhagic and edematous.

**REPRODUCTIVE TRACT:** Within normal limits.

**CENTRAL NERVOUS SYSTEM**

**Brain:** Subdural hematoma on caudal aspect. Hematoma on caudal cerebrum.

**Spinal Cord:** Clotted blood in spinal canal.

**HEAD**

**SENSORY ORGANS**

**Eyes:** Mucopurulent discharge from left eye.

**Ears:** Blood in left ear canal.

**OTHER:** Parasites in formalin for Dr. Overstreet

**CONCLUSIONS:** Trauma to head and right thorax, bilateral pulmonary granulomatous pneumonia, hemorrhagic syndrome

**Carcass Disposition:**

**CAUSE OF DEATH FROM FIELD DETERMINATION:** Trauma and rupture of right lung.

**This report was generated by:** Dr. Connie Chevis