

GROSS NECROPSY REPORT

Updated 11/11/2010

SPECIES *Tursiops truncatus* **FIELD NUMBER** 75IMMD080310 **DATE** 8/4/2010

LOCATION Gulfport, MS **LAT** 30.19.152/**LONG** -89.00.681

GENDER Male **TL** 245.8 **COND** 3 **WEIGHT** 193 kgs

HISTORY: Found floating dead 4.4 miles SSE of Cowan Rd, Gulfport, MS

NECROPSY

EXTERNAL EXAM: Generalized superficial linear and “x” shaped lesions on dorsal, ventral, and lateral sides, head, rostrum and jaws. Right fluke missing with circular, irregular edges- suspect shark bite. Upper right jaw- 24 teeth, 2-8 (caudal to cranial count) teeth worn diagonally on the cranial aspect. 15-23 worn horizontally on distal tip. Lower right side- 25 teeth, 6-10 worn on caudal aspect, 23 broken on caudal aspect. Tongue- blackish green, swollen. Right and left eyes protruding. Right flipper- multiple excoriation lesions on the cranial surface. Tip of flipper missing, healed. Multiple superficial scrapes on the right lateral aspect of right flipper. Excoriations on the lower jaw. Multiple conspecific rake marks on sides, abdomen- healed. Multiple linear and “x” shaped lesions on fluke. Excoriations to connective tissue on cranial and caudal edges of fluke. Penis extruded. Ventral left flipper- multiple healed conspecific rake marks and linear and x shaped superficial lesions. Excoriations in front of right eye. Excoriations on left side of neck. Multiple linear and “x” lesions along entire left side. Tip of left flipper had triangular 0.5x0.6 cm piece and a 1 cm circular piece missing, healed. Slight indentation behind head (peanut head).

INTERNAL EXAM: Large hematoma on left lower jaw. No fractures palpable. Severe degenerative joint disease in left shoulder.

BLUBBER: Subcutaneous tissue well hydrated

MUSCULOSKELETON

Axial Muscle: Severe degenerative joint disease in left shoulder.

Axial Skeleton: No fractures found. Bruising on left shoulder. Approximately 28 cm X 7 cm area of bruising on left lateral body dorsal to left shoulder.

Ribs & Sternum: No fractures found

CIRCULATORY SYSTEM

Heart: Hemorrhaging around coronary arteries

RESPIRATORY SYSTEM

Blowhole: Blood coming out of blowhole

Lungs: Blood in trachea and bronchi. Tracheal and bronchial mucosa-dark red. Multiple, generalized granulomas- parasitic. Moderate to severe parasitemia- long slender white worms. Left lung had fingerlike projection on cranial medial aspect. Projection was 22.5 cm long with 4 cm finger. Subcutaneous air surrounding base of aorta.

DIGESTIVE SYSTEM

Esophagus: Undigested menhaden from midthorax esophagus to forestomach. Blood in cranial esophagus.

Fore Stomach: Packed full of partially digested and undigested menhaden

Main Stomach: Empty

Pyloric Stomach: Several Branina sp

Intestine: No parasites found.

Describe food-stuffs found in GI Tract: Packed with partially digested and whole menhaden

Describe parasites found in GI Tract: Circular, off-white, attached to stomach mucosa.

Liver: Edges sharp, some bleeding on cutting.

Pancreas: large, subcutaneous air on mucosa

URINARY SYSTEM

Kidneys: No kidney stones found.

Adrenals: Dark red

Urinary Bladder: Approx. 25 mls of thick, opaque urine in bladder.

ENDOCRINE & HEMOLYMPHATIC SYSTEMS

Thymus: Not present

Thyroid: Dark red

Pituitary: dark red

Spleen: Dark red

Lymph Nodes: No abnormalities found.

REPRODUCTIVE TRACT:

1.5 cm x 0.6 cm raised cauliflower like lesion oriented perpendicular to dorsal midline of penis, 4 cm from tip of penis.

CENTRAL NERVOUS SYSTEM

Brain: Extremely decomposed

Spinal Cord: No abnormalities found

HEAD Multiple excoriations on head

SENSORY ORGANS

Eyes: Both eyes protruding, swollen.

Ears: No abnormalities found

Carcass Disposition: Frozen in evidence truck at IMMS

CAUSE OF DEATH FROM FIELD DETERMINATION: Trauma. Suspect fishing net entrapment. Some evidence of hemorrhaging.

This report was generated by: Dr. Connie Chevis

TISSUES COLLECTED

Frozen (-10°C): IMMS

Teeth
Blubber
Muscle
Liver
Kidney
Stomach contents
Urine
Abdominal fluid
Blood

Hydrocarbon analysis: Frozen

Bile
Blood
Urine
Liver X2
Kidney X 2
Blubber X 2
Abdominal X 2
Stomach content 2

Histo (10% Buffered Formalin): Dr. Rotstein X2, IMMS X2

Blubber
Muscle
Liver
Kidney- left
Stomach
Lung-left
Eyes- R-DROT, L-IMMS
Heart- L,R atrium, L,R ventricle
Intestine
Lymph nodes- sprascapular, tracheobronchial, mesenteric
Testis
Spinal cord
Adrenal
Pulmonary artery
Aorta
Penis
Left shoulder joint for DROT

70% ETOH:

skin

Virology study- Dr. Romero:

Penile lesion
Lung
BH swab
Spleen
Liver

Kidney
Culturette: shoulder joint, abdominal fluid

Cultures to Memorial Hospital Gulfport.

Stomach fluid- **Results:** Vibrio damsela, 2+Vibrio damsela. No fungus isolated at 4 weeks.

Other: Parasites to Dr. Overstreet in formalin

PHOTOS/VIDEO: Yes/No

ASSOCIATED DATA SHEETS: Level A Data Form, Delphinid Specimen record, NOAA Photo Log, NOAA Chain of custody record.