

**GROSS NECROPSY REPORT**

**SPECIES** Tursiops truncatus **FIELD NUMBER** 22IMMS022011 **DATE** 02/21/11

**LOCATION** Biloxi, MS **LAT** 30.39229/**LONG** 88.88329

**GENDER** Male **TL** 99 cm **COND** 3 **WEIGHT** 3.6 kgs estimated

**HISTORY:** Found dead

**NECROPSY**

**EXTERNAL EXAM:** Fetal folds present. Sloughing/necrosis of skin. Sloughing of skin on right lateral mandible, dorsum and lateral neck, head and axilla. Left axilla red. 2 puncture wounds on left lateral side between flipper and dorsal fin. Linear abrasions extending from back of head to top of peduncle on left side. 3 puncture wounds over penis. Penis extruded. Skin blistered- 2 cm left lateral to penis. Umbilicus open and serosanguineous fluid draining. Top jaw- teeth buds present, just erupting under skin. Erosion on caudal hard palate- 2x3cm. Left eye absent. Flippers, flukes and dorsal fin pliable/soft. Puncture wound left lateral to dorsal fin. Right mandible fractured/dislocated. Grey discoloration right side caudal to eye extending to left lateral dorsal fin. Dark yellow discoloration on right side. Small circular superficial skin loss with punctuate center on right side. Dorsal tip of left fluke missing.

**INTERNAL EXAM:** Bruising (edema/hemorrhage) behind head to left shoulder. Bruising left side ventral to dorsal fin and ventral aspect between shoulder (premortem). Serosanguineous fluid in abdominal cavity. Serosanguineous fluid in left thoracic cavity. Large area of bruising dorsal to left kidney.

**BLUBBER:** In front of dorsal fin- dorsal-0.7 cm, lat- 0.8 cm, ventral- 1.0 cm.

**MUSCULOSKELETON**

**Axial Muscle:** Umbilical hernia.

**Axial Skeleton:** Fracture of right mandible. Fracture of left side of skull.

**Ribs & Sternum:** No fractures found.

**CIRCULATORY SYSTEM**

**Heart:** Patent ductus arteriosus. Valves normal.

**RESPIRATORY SYSTEM**

**Lungs:** Left lung had multiple bubbles on the surface. Left lung was firm with generalized dark red irregular mottling and atelectic. Sunk in water. Right lung was pink

and floated in the water. There was a large amount of subpleural air in the venous rete area above the aorta.

**DIGESTIVE SYSTEM**

**Esophagus:** Empty, no ulcers, no parasites.

**Fore Stomach:** Empty, no ulcers, no parasites.

**Main Stomach:** Empty, no ulcers, no parasites.

**Pyloric Stomach:** Empty, no ulcers, no parasites.

**Intestine:** Empty, no ulcers, no parasites.

**Describe food-stuffs found in GI Tract:** Empty

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

**Liver:** Dark red.

**Pancreas:** Pink, no abnormalities.

**URINARY SYSTEM**

**Kidneys:** Red, no stones found. Hemorrhaging retroperitoneal dorsal to left kidney.

**Adrenals:** Normal color.

**Urinary Bladder:** Empty.

**ENDOCRINE & HEMOLYMPHATIC SYSTEMS**

**Thymus:** Too decomposed to identify

**Thyroid:** Too decomposed to identify

**Pituitary:** Too decomposed to identify

**Spleen:** Dark red

**Lymph Nodes:** Too decomposed.

**REPRODUCTIVE TRACT:**

**CENTRAL NERVOUS SYSTEM**

**Brain:** Too decomposed. Skull had multiple fractures on the left side. There was no hemorrhaging on the brain. Postmortem blunt trauma to the skull suspected.

**Spinal Cord:** Too decomposed.

**HEAD**

**SENSORY ORGANS**

**Eyes:** left eye missing, right eye ruptured.

**Carcass Disposition:** IMMS freezer

**CAUSE OF DEATH FROM FIELD DETERMINATION:** Blunt force trauma to neck and chest, Patent ductus arteriosus

**This report was generated by:** Dr. Connie Chevis and Dr. Joey Kalesch