

## GROSS NECROPSY REPORT

**SPECIES** *Tursiops truncatus* **FIELD NUMBER** 32IMMS022311 **DATE** 2/25/11

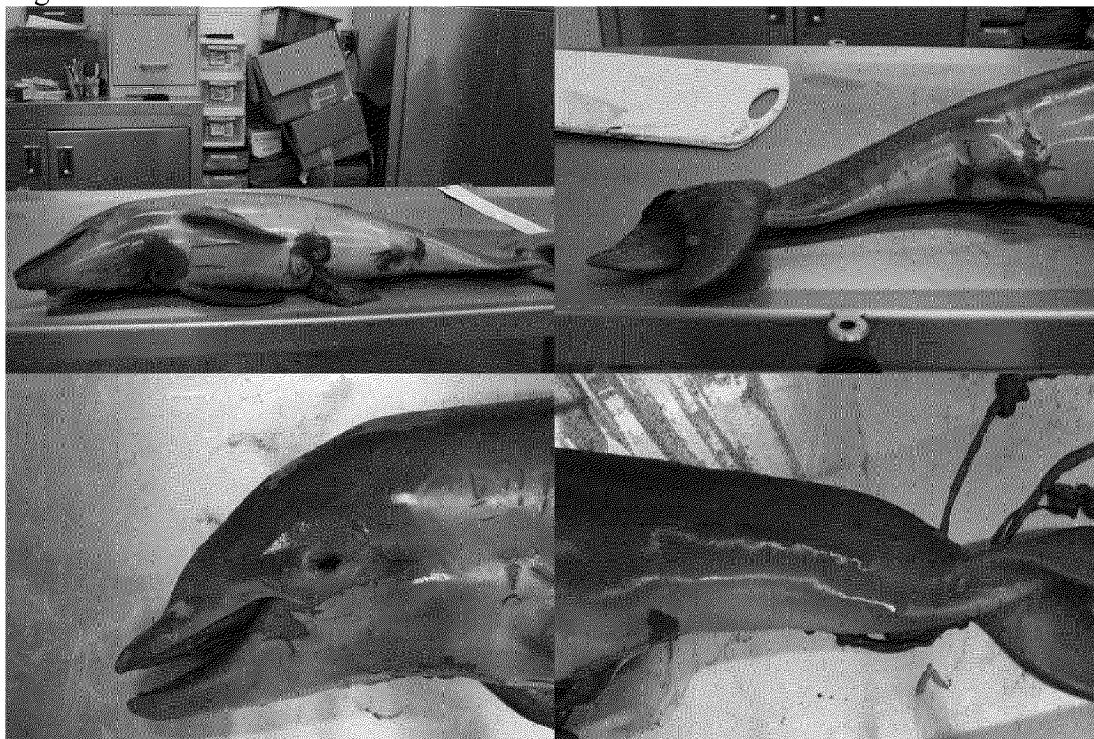
**LOCATION** Dauphin Island, AL **LAT** 30.23052N **LONG** -88.29443W

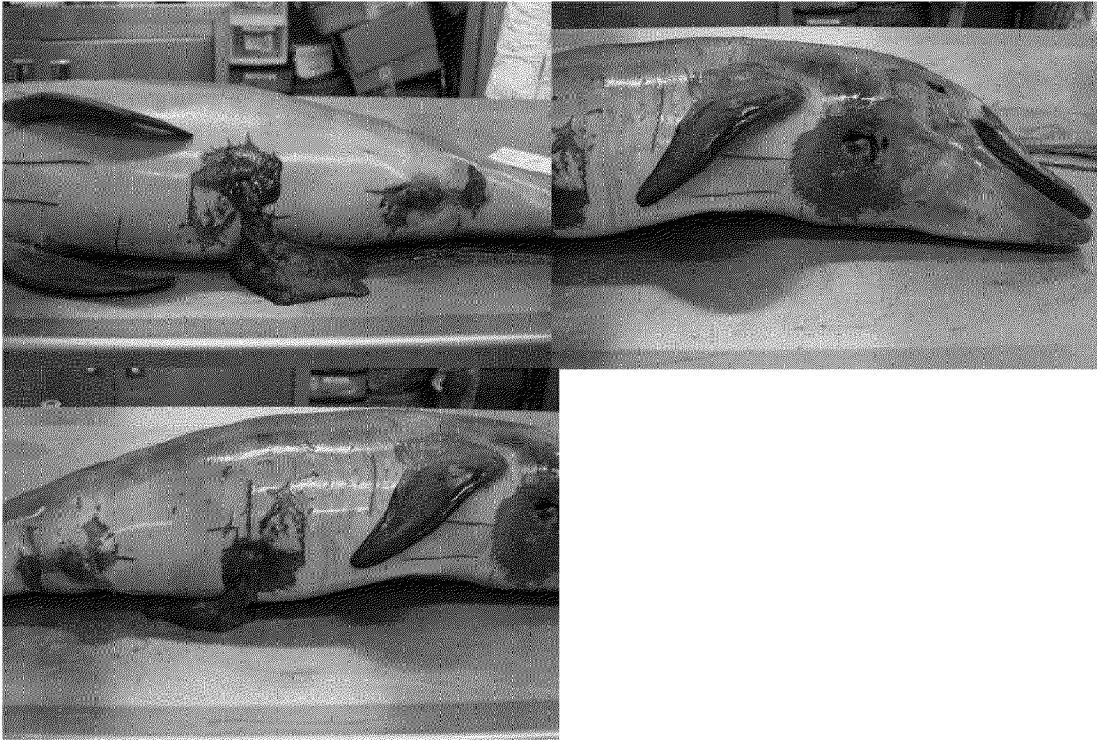
**GENDER** Male **TL** 95.5 cm **COND** 3 **WEIGHT** 9.02 kg

**HISTORY:** Found dead

### NECROPSY

**EXTERNAL EXAM:** Fetal folds present- 6R/6L, bilaterally symmetrical. Dorsal fin folded to left with crease present. Umbilicus patent: 2 cm diameter. Umbilical arteries present: L- 1.2 cm diameter, R-1.2 cm diameter. Teeth buds on all sides of jaw. No vibrissae present. Follicles present: R-#5, L-#4. Right pectoral fin curved, both floppy. Left eye ruptured. Skin missing around left eye and caudal mandible. Right fluke folded over left. Loss of skin on ventral neck. Multiple broken line scrapes on left lateral neck- probably scavenger marks. Skin loss on left caudal axilla. 2 linear superficial cuts on the ventral thorax- 7.7 cm, 5.5 cm x 0.2 mm. Scavenger marks at umbilicus. Umbilical cord present. Penis extruded. Loss of skin on ventral peduncle caudal to penis and proximal to anus. Skin loss on dorsal caudal peduncle. Loss of skin on caudal dorsal fin, top of head, at blowhole to right side, melon and upper right jaw. Right eye missing. Loss of skin over right eye. 3 cm hole on right lower neck. Loss of skin on right axilla to cranial edge.





**INTERNAL EXAM:** Bruising on ventral neck and jaw. Bruising on dorsal cranium to shoulder. Bruising on ventral neck and jaw. Bruising on dorsal cranium to shoulder in front of dorsal fin. Skull- multiple fractures along suture lines. Meconium present. Blood and edema along lateral side of lower left jaw. Subpleural air in the venous rete.



**BLUBBER:** In front of dorsal fin: Dorsal-1.1 cm, Lat- 0.9 cm, Ven-1.0.

### **MUSCULOSKELETON**

**Axial Muscle:** Bruising on ventral neck and jaw. Bruising on dorsal cranium to shoulder. Bruising on ventral neck and jaw. Bruising on dorsal cranium to shoulder in front of dorsal fin.

**Axial Skeleton:** Skull- multiple fractures along suture lines. Blood and edema along lateral side of lower left jaw.



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

### **CIRCULATORY SYSTEM**

**Heart:** Patent ductus arteriosus. Wt- 75 gms.

### **RESPIRATORY SYSTEM**

**Blowholes:** No discharge seen.

**Lungs:** Both lungs sunk in water. Dark red homogenous color, firm. Trachea submucosa was dark, black red.

### **DIGESTIVE SYSTEM**

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

**Fore Stomach:** 2 mm x 6 mm whitish calcified spiral shaped object found in stomach. No parasites or food found. No ulcers.

**Main Stomach:** No parasites or food present. No ulcers.

**Pyloric Stomach:** No parasites or food present. No ulcers.

**Intestine:** Too decomposed to evaluate.

**Describe food-stuffs found in GI Tract:** none present

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

**Liver:** Decomposing.

**Pancreas:** too decomposed to evaluate.

**URINARY SYSTEM**

**Kidneys:** no stones found.

**Adrenals:** Dark red.

**Urinary Bladder:**

**ENDOCRINE & HEMOLYMPHATIC SYSTEMS**

**Thymus:** Too decomposed.

**Thyroid:** Too decomposed.

**Pituitary:** Too decomposed.

**Spleen:** Too decomposed.

**Lymph Nodes:** Too decomposed.

**REPRODUCTIVE TRACT:** Left testicle- 4 cm, Right- 6 cm

**CENTRAL NERVOUS SYSTEM**

**Brain:** Too decomposed. Dura mater did not have any hemorrhaging.

**Spinal Cord:** No abnormality seen.

**HEAD**

**SENSORY ORGANS**

**Eyes:** Left eye ruptured, Right eye missing.

**CONCLUSIONS:** Stillborn. Multiple skull fractures along suture lines. No hemorrhage on dura mater. Bruising (hemorrhage/edema) on neck, shoulder, jaw.

**Carcass Disposition:** Frozen IMMS

**CAUSE OF DEATH FROM FIELD DETERMINATION:**

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

**TISSUES COLLECTED**

**Frozen:** IMMS X2

Teeth- Left lower jaw  
Blubber  
Skin  
Muscle  
Stomach content- calcified object

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

Lung  
Trachea  
Heart- Entire heart  
Kidney-L  
Spinal cord  
Muscle

**PAH samples: X2**

Liver X3  
Lung  
Blubber  
Meconium  
Entire skull

**PHOTOS/VIDEO:** Yes/No

**ASSOCIATED DATA SHEETS:** Level A Data Form, Delphinid Specimen record, MM  
Necropsy Tissue form, Fetus/Neonate form, NOAA Chain of custody record-PAHs.

