

GROSS NECROPSY REPORT

SPECIES *Tursiops truncatus* **FIELD NUMBER** 77IMMS082410 **DATE** 8/25/2010
LOCATION Parrish Lake **LAT** 30.52713/**LONG** 88.59400

GENDER Female **TL** 237 cm **COND** Code 4 **WEIGHT** 113 kg

HISTORY: Found dead in Parrish Lake, Vancleave, MS. This is a freshwater area.

NECROPSY

EXTERNAL EXAM: Emaciated 1/7. All lateral vertebral processes visible. Multiple 1 cm maggots in mouth. Right lower jaw- 16 teeth present. 7,8,9 (counting from caudal mouth) were broken. 15, 16 out of socket and hanging by gingival. Right upper jaw- 15 teeth present. 4-9 worn diagonally on cranial surface, 10-13 slightly worn on cranial surface. 14 out of socket and hanging by gingiva. Both eyes ruptured and contents eviscerated. Ventral neck had thick orange brown coating. Right flipper cranial edge/ventral aspect had multiple healed rake marks. Cranial edge had scrape mark. Right ventral and dorsal fluke- multiple healed conspecific rake marks. Distal left fluke 0.7 cm x 0.5 cm triangular notch missing from tip. 2 semicircular pieces (1.6 x 0.3 cm, 1.0 cm x 0.3 cm) missing on tip. Right dorsal fin- healed multiple conspecific rake marks. Dorsal back over flipper- multiple healed conspecific rake marks. Neck area- sunken in. 12 1 cm x 0.2 cm deep lacerations- possible avian predation. Skin absent on entire body except for left midlateral and ventral thorax. Left caudal lateral multiple healed rake marks. Water line present from dorsal back to ventral peduncle. Left dorsal fin- multiple healed conspecific rake marks. Behind blowhole- multiple healed conspecific rake marks. Left lower jaw- 20 teeth present. 1 to 8 worn caudally diagonal, 9, 10 broken, 13-16 slightly worn caudally, 20, 21 worn horizontally, 19 worn anterior horizontally. Left upper jaw- 11 teeth present, 11, 12- empty sockets, 14-21 empty sockets. Possible avian predation behind left eye and chin. Thick orange/brown material coating ventral surface from caudal R fluke to peduncle- sample collected for hydrocarbons. Genital slit area open and GI contents extruding.

INTERNAL EXAM: Blood in ventral thorax and caudal oropharynx. Dark red thoracic mucosa

BLUBBER: Dorsal 0.9 cm

MUSCULOSKELETON

Axial Muscle: Muscle atrophy

Axial Skeleton: All vertebral lateral processes visible. Left shoulder- linear indentation in cartilage of humeral head.

Ribs & Sternum: No fractures seen.

CIRCULATORY SYSTEM

Heart: Bloody fluid in ventral thorax.

RESPIRATORY SYSTEM

Blowholes: No abnormal lesions seen.

Lungs: No parasites seen.

Trachea/Bronchi: Dark red mucosa.

DIGESTIVE SYSTEM

Esophagus: No food in esophagus. No ulcers in esophagus

Fore Stomach: No ulcers seen. No parasites seen. No food.

Main Stomach: Orange brown fluid found. No food. No parasites.

Pyloric Stomach: No parasites found. No ulcers.

Intestine: No parasites found.

Describe food-stuffs found in GI Tract: Orange brown fluid approximately 10 mls. No food.

Describe parasites found in GI Tract: None found.

Liver: Appeared smaller than normal.

Pancreas: Gas filled submucosa- degenerative changes?

URINARY SYSTEM

Kidneys: No stones found.

Adrenals: No abnormalities found.

Urinary Bladder: Urine clear. No stones found. Mucosal lining dark green.

ENDOCRINE & HEMOLYMPHATIC SYSTEMS

Thymus: Not found.

Thyroid: Too decomposed.

Pituitary: Too decomposed.

Spleen: Small, flaccid- degenerative change?

Lymph Nodes: Mesenteric In appeared normal.

REPRODUCTIVE TRACT: Non-gravid uterus.

CENRTRAL NERVOUS SYSTEM

Brain: Very decomposed.

Spinal Cord: Very decomposed.

HEAD

SENSORY ORGANS

Eyes: Decomposed.

Ears: No abnormalities found

OTHER:

CONCLUSIONS: Emaciated. In a fresh water area.

Carcass Disposition: Frozen and placed in IMMS BP Deepwater Horizon evidence truck.

CAUSE OF DEATH FROM FIELD DETERMINATION:

This report was generated by: Dr. Connie Chevis

TISSUES COLLECTED

Frozen: IMMS X2

Blubber
Muscle
Liver
Teeth

Histo (10% Buffered Formalin): DROT x2, IMMS X2

Lung
Trachea
Heart- R, L Atrium, R,L Ventricle.
Aorta
Pulmonary artery
Esophagus
Stomach
Duodenum
Jejunum
Ileum
Colon
Pancreas

Spleen
Liver
Kidney-L
Urinary bladder
Blubber
Bone marrow
Adrenal
Skin
Muscle
Gonad
Lymph nodes- mesenteric, sublumbar

Hydrocarbon: X2

Bile- amber jar
Blood- thoracic fluid
Urine X1
Liver
Kidney
Muscle
Lung
Intestine
Blubber
Skin scraping of orange brown material

Viral: Dr. Romero

Lung
BH swab
Spleen
Liver
Kidney-L

PHOTOS/VIDEO: Yes/No

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