

Oiled Marine Mammal

Gross Necropsy Report

Spill Name: BP Deepwater Horizon	
Animal Log #: D-0034	
Level A Field #: 84IMMS102610	Tag #:
Species: Tursiops truncatus	
Sex: Female	Age: Subadult
Weight: 79.5 kgs	kg (estimate/actual) <input type="radio"/>
SON: emaciated 1 2 3 4 5 6 7 obese 2-3	
Measurements: Blubber depth 1.6 mm	
SL 191 cm	Ad cm UG cm XG cm

Form completed by: Dr Connie Chevis	Date: 10/27/2010
Enforcement Officer:	
Strand/Capture location: On beach off Hwy 90, 15 yds. East of Troutman Ave. Long Beach, MS	
Collectors Name: Becky Winslead	
Intake date: 10/26/2010	Euthanasia
Death date: 10/26/2010	Time: 16:30
Post mortem date: 10/27/2010	Time: 9:30
Carcass Classification: Frozen <input type="checkbox"/> yes <input checked="" type="checkbox"/> no	
2- fresh 3-fair (organs intact) 4-poor 5- mummified 2	
Photographs: <input checked="" type="checkbox"/>	
Radiographs: <input type="checkbox"/>	

Clinical signs/diagnosis: Observers claim dolphin was seen being attacked by several large sharks. Collected fresh dead
Antibiotics given:
Pertinent lab results:

GROSS NECROPSY ABNORMALITIES:

Severe conspecific trauma with fresh and healing conspecific rake marks, sub-blubber edema extending from blowhole to dorsal fin on dorsal back and bruising of blubber and subcutaneous membranes. The blubber under the conspecific rake marks had hemorrhaging, necrotic tissue and bruising so these were considered premortem. Large bruises were found on the right axilla, on the cheeks and behind the head.

The animal was in a poor state of nutrition indicated by loss of postnuchal fat, indentation below the dorsal fin and visibility of the lateral processes of the vertebrae.

Multiple shark bites with loss of flukes and abdominal musculature. Sharks removed area around genital slit extending into abdomen. The shark bite edges were clear and did not have any bleeding so this could have be postmortem.

There were multiple healing ulcers in the mouth and gums.

Generalized bilateral granulomatous pneumonia, verminous etiology suspected. Multiple thin white worms found in granulomas.

Twelve cm intestinal intussusception found.

Multiple hemorrhagic lymph nodes some with necrotic center. Impression smear of prescapular lymph node showed fungal hyphae.

The muscle surrounding the cranial esophagus was dark red and bruised. Esophageal mucosa was normal.

The forestomach had approximately 1 rounded tablespoon of otoliths and fish lens. No ulcers, food or parasites.

The main stomach had a few otoliths and no parasites.

The pyloric stomach had dark green ecchymotic hemorrhage of the mucosa and 2 Branini sp.

The pancreas bile ducts were large and contained 2 fluke like objects.

Slight amount of hemorrhaging in the cerebellum.

Kidneys had hemorrhaging in the medulla and the right kidney was severely bruised on the caudal pole. No kidney stones were found.

There appeared to be a chronic, systemic disease debilitating the animal with trauma caused by conspecifics. It is possible the animal was extremely debilitated when the sharks attacked and caused the demise or the animal was fresh dead and the sharks attacked.

HYDROCARBON ANALYSIS SAMPLES			MICROBIOLOGY		SWABS: other	
bile <input checked="" type="checkbox"/>	kidney <input checked="" type="checkbox"/>	blubber/fat <input checked="" type="checkbox"/>	Lung <input checked="" type="checkbox"/>		prescapular ln	
blood <input checked="" type="checkbox"/>	muscle <input checked="" type="checkbox"/>	other: <input type="checkbox"/>	Liver <input type="checkbox"/>		pericardial fluid	
urine <input type="checkbox"/>	lung <input checked="" type="checkbox"/>		other <input checked="" type="checkbox"/>	mouth ulcer	kidney	
liver <input checked="" type="checkbox"/>	intestine <input checked="" type="checkbox"/>					

HISTOLOGY SAMPLES						LYMPH NODES:	
lung <input checked="" type="checkbox"/>	thyroid <input checked="" type="checkbox"/>	ileum <input checked="" type="checkbox"/>	kidney <input checked="" type="checkbox"/>	mammary gland <input checked="" type="checkbox"/>	muscle <input checked="" type="checkbox"/>	colonic <input checked="" type="checkbox"/>	gastric <input checked="" type="checkbox"/>
trachea <input checked="" type="checkbox"/>	tonsil <input checked="" type="checkbox"/>	colon <input checked="" type="checkbox"/>	ureter <input checked="" type="checkbox"/>	adrenal <input checked="" type="checkbox"/>	gonad <input type="checkbox"/>	sublumbar <input type="checkbox"/>	hepatic <input type="checkbox"/>
heart <input checked="" type="checkbox"/>	tongue <input checked="" type="checkbox"/>	pancreas <input checked="" type="checkbox"/>	urinary bladder <input type="checkbox"/>	skin <input checked="" type="checkbox"/>	prostate <input type="checkbox"/>	inguinal <input type="checkbox"/>	mediastinal <input checked="" type="checkbox"/>
aorta <input checked="" type="checkbox"/>	esophagus <input checked="" type="checkbox"/>	spleen <input checked="" type="checkbox"/>	uretra <input type="checkbox"/>	eye (L/R) <input type="checkbox"/>	uterus <input checked="" type="checkbox"/>	axillary <input type="checkbox"/>	submandibular <input type="checkbox"/>
pulmonary artery <input checked="" type="checkbox"/>	stomach <input checked="" type="checkbox"/>	liver <input checked="" type="checkbox"/>	blubber <input checked="" type="checkbox"/>	fat-site <input checked="" type="checkbox"/>	vagina <input type="checkbox"/>	mesenteric <input checked="" type="checkbox"/>	tracheobronchial <input checked="" type="checkbox"/>
thymus <input checked="" type="checkbox"/>	duodenum <input checked="" type="checkbox"/>	gall bladder <input type="checkbox"/>	bone marrow <input checked="" type="checkbox"/>		cervix <input type="checkbox"/>		
salivary gland <input type="checkbox"/>	jejunum <input checked="" type="checkbox"/>	brain <input checked="" type="checkbox"/>	spinal cord <input checked="" type="checkbox"/>	whole repro <input type="checkbox"/>	penis <input type="checkbox"/>		
other: mouth ulcer biopsy, pituitary							

Cause of death (preliminary diagnosis): Conspecific predation, bilateral granulomatous pneumonia, intestinal intussusception, shark predation

Examiner: Drs. Chevis & Kalesch	Examiner's signature: <i>[Signature]</i>	Date: 10/27/2010
---------------------------------	--	------------------