

# Oiled Marine Mammal

## Gross Necropsy Report

Spill Name: BP Deepwater Horizon / MC 252	
Animal Log #: BP-2010-LA389	
Level A Field #: MCT20100822-LA001	Tag #: LA 389
Species: Tursiops truncatus	
Sex: Male	Age: Adult
Weight: NE	kg. <input type="radio"/> Estimate/actual <input type="radio"/>
SON: emaciated 1 2 3 4 5 6 7 obese <input type="radio"/> emaciated <input checked="" type="radio"/>	
Measurements: Blubber depth 10 mm	
SL 255 cm	AG 108 cm
UG 69 cm	XG 28 cm

Form completed by: C. Pelton, DVM	Date: 8/23/2010
Enforcement Officer:	
Strand/Capture location: Grand Isle, LA	
Collectors Name: Mandy Tumlin - LDWF	
Intake date: 8/22/2010	Euthanasia
Death date:	Time: yes
Post mortem date: 8/23/2010	Time: 11:16 <input checked="" type="checkbox"/> no
Carcass Classification: Frozen <input type="radio"/> yes <input checked="" type="radio"/> no	
2- fresh, 3-fair (organs intact), 4-poor, 5- mummified <input type="text" value="3"/>	
Photographs: <input checked="" type="checkbox"/>	
Radiographs: <input type="checkbox"/>	

Clinical signs/diagnosis	FDOB
Antibiotics given	NA
Pertinent lab results	NA

**GROSS NECROPSY ABNORMALITIES:**

The code 3 emaciated, adult male Tursiops truncatus presents with minor bloating, areas of peeling skin, multiple post mortem shark bites, and a post mortem mandible fracture. An 16cm x 14cm shark bite with loss of all skin and some blubber is located on the left epaxial area just dorsal to the transverse processes caudal to the insertion of the pectoral fin. Also on the left lateral cervical area is a 3cm deep 19.5cm by 23cm shark bite. Shark teeth marks in a 11cm by 12cm pattern are also visible on the left side just dorsal and caudal to the cervical bite wound. The right side has a 15cm diameter pattern shark bite without loss of skin. The left mandible has a complete fracture at the level of the 7th tooth and the right mandible has a complete fracture at the level of the 12th tooth. No evidence of human interaction, including oil, is visible. Ribs and vertebral transverse processes are visible. Blubber layer is thin measuring 1.3cm dorsal, 1.0cm lateral, and 2.0cm ventral just cranial to the dorsal fin. The vertebral and epaxial musculature appears thin and dehydrated. The right scapula-humeral joint is smooth and contains a clear, viscous synovial fluid. There is minimal to no bone marrow in the diaphysis of multiple ribs cracked open for sampling. The fore stomach chamber only contains a handful sized clump of dry, thin, dark green vegetative matter. The mucosal surface is unremarkable. The fundic and pyloric chambers are empty and unremarkable. The intestines are empty, bile stained but otherwise unremarkable. The entire GI tract is barren of parasites. The liver is nutmeg in color on both the surface and cut sections and partially autolyzed. It is grainy in texture corresponding with diffusely scattered 1mm thick off white lines of fibrosis. No bile fluid is present in the bile duct and on cut section the entire duct serosa is stained yellow. The pancreas, kidneys (R 19cm x 9.5cm x 4cm; L 20.2cm x 9cm x 4cm), ureters, and bladder are unremarkable. The bladder contains 3cc of bright yellow, clear urine. The adrenal glands (R 4.7cm x 1.6cm x 1.3cm; L 4.6cm x 2.3cm x 0.8cm) are unremarkable on cut section. The right adrenal has an ectopic piece just caudal measuring 1.3cm x 1.0cm x 0.6cm. The spleen is firm, ovoid (7.5cm x 4.5cm x 1.4cm) with a smooth mottled dark red with diffusely scattered black pin point non-raised areas capsule. On cut section it is a homogenous dull blackish brown color. The pleural cavity has negative pressure. Both lungs are spongy and soft in texture but are partially collapsed. Both the right and left lung surfaces are light pink with beige mottling both on the surface and cut section. On cut-section the lungs have a gritty texture and no evidence of parasites. The right and left bronchi contain a fair amount of foamy froth which extends into the trachea which is otherwise unremarkable. Sections from both lungs float in 10% formalin. No significant findings are found in the heart (L ventricular wall 2.2cm, R ventricular wall 0.8cm, septum 2cm). All valves are intact with smooth edges. The mouth contains a full set of markedly worn teeth (R 20/20, L 21/20). The tongue, larynx, esophagus are unremarkable. The blowhole, sinuses, and aural tracts are all clean and devoid of visible parasites. The right prescapular lymph node is 6cm x 3cm x 2cm, firm and has a normal appearing cortex and medulla on cut section. All other lymph nodes sampled are unremarkable save for the colonic lymph nodes that appear hemorrhagic in the medulla. The brain, testis (R 23.5cm x 6cm x 1.5cm; L 26.8cm x 6cm x 2cm), urethra, prostate, and penis are unremarkable. The right eye has 2 focal opacities, a 1.5mm medial and a 1.5mm lateral corneal opacity.

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

HISTOLOGY SAMPLES						Lymph Nodes:
lung <input checked="" type="checkbox"/>	thyroid <input type="checkbox"/>	ileum <input checked="" type="checkbox"/>	kidney <input checked="" type="checkbox"/>	mammary gland <input type="checkbox"/>	muscle <input checked="" type="checkbox"/>	colonic <input checked="" type="checkbox"/>
trachea <input type="checkbox"/>	tonsil <input type="checkbox"/>	colon <input type="checkbox"/>	ureter <input type="checkbox"/>	adrenal <input checked="" type="checkbox"/>	gonad <input checked="" type="checkbox"/>	gastric <input type="checkbox"/>
heart <input checked="" type="checkbox"/>	tongue <input type="checkbox"/>	pancreas <input checked="" type="checkbox"/>	urinary bladder <input checked="" type="checkbox"/>	skin <input type="checkbox"/>	prostate <input checked="" type="checkbox"/>	hepatic <input type="checkbox"/>
aorta <input checked="" type="checkbox"/>	esophagus <input type="checkbox"/>	spleen <input checked="" type="checkbox"/>	urethra <input type="checkbox"/>	eye (L/R) <input type="checkbox"/>	uterus <input type="checkbox"/>	mediastinal <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 type="checkbox"/>	vagina <input type="checkbox"/>	submandibular <input type="checkbox"/>
thymus <input type="checkbox"/>	duodenum <input checked="" type="checkbox"/>	gall bladder <input type="checkbox"/>	bone marrow <input checked="" type="checkbox"/>		cervix <input type="checkbox"/>	axillary <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"/>	mesenteric <input type="checkbox"/>
other: pre-scapular LN, retroperitoneal LN						tracheobronchial <input type="checkbox"/>

Cause of death (preliminary diagnosis): Indeterminate but suspect age related		
Examiner: Craig Pelton, DVM	Examiner's signature: <i>Craig Pelton</i>	Date: 8/23/2010