

# Oiled Marine Mammal

## Gross Necropsy Report

Spill Name: BP Deepwater Horizon / MC252	
Animal Log # BP-2010-LA388	
Level A Field # KAW20100822-LA001	Tag #
Species: Tursiops truncatus	
Sex: Male	Age: Sub-adult
Weight: NE	kg Estimate/actual
SON: emaciated 1 2 3 4 5 6 7 obese 4	
Measurements: Blubber depth 8 mm	
SL 180 cm	AG 110 cm
UG ne cm	XG ne cm

Form completed by: C. Field, DVM	Date: 8/23/2010
Enforcement Officer:	
Strand/Capture location: Cocodrie, LA	
Collectors Name: Kym Walsh, LDWF	
Intake date: 8/22/2010	Euthanasia
Death date:	Time: yes
Post mortem date: 8/23/2010	Time: 15:29
Carcass Classification: Frozen <input type="radio"/> yes <input checked="" type="radio"/> no	
2- fresh, 3-fair (organs intact), 4-poor, 5- mummified 2	
Photographs: <input checked="" type="checkbox"/>	
Radiographs: <input type="checkbox"/>	

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

### GROSS NECROPSY ABNORMALITIES:

**EXTERNAL EXAM:** Carcass was bloated with penis protruded. Entire ventral surface was discolored deep pink-red in color. Multiple un-healed rake marks along lateral surface of R peduncle. Ventral surface of L pectoral fin had multiple well-healed rake marks. Epidermis intact with mild blistering and green discoloration. R surface of dorsal fin had multiple well-healed rake marks. Dorsal surface of fluke blades multiple healed rake marks with skin sloughing off trailing edges. Leading edge, distal tip of R fluke blade healing, linear, red-tinged abrasion, approximately 5cm long x 3cm wide. Girth at nuchal crest = 87.6cm; axilla = 110.5cm.

**INTERNAL EXAM:**  
 Red tinged (hemorrhagic) fluid in both R (~150mL) and L (~300mL) pleural cavities. Dorsal surface of R pleura was reddened (edematous and hemorrhagic).

**BLUBBER:** NVL. Blubber thickness (mm): 12 (dorsal), 8 (lateral), 8 (ventral).

**Lungs:** Pleural surface of both lungs were nodular on palpation. Moderate load of active lung worm present throughout airways. Multifocal granulomas present upon cut surface. R lung was irregularly discolored brown, approximately 5x3x1cm in size. Cut surface of both lungs were discolored dark-purple (edema). Distal bronchioles of L lung had a small region of deep reddened parenchyma (hemorrhage). Sub-serosal layer of trachea was discolored deep red (hemorrhage).

**Fore Stomach:** NVL. 5-6 partially digested fish and one partially digested crab

**Main Stomach:** NVL. Approximately 15mL of thick, brown fluid.

**Pyloric Stomach:** NVL. Moderate to heavy load of Phyoleter in caudal region of stomach.

**Intestine:** NVL. Moderate amount of digesta present. No parasites noted. Mesenteries NVL.

**Liver:** Upon cut surface, parenchyma was soft and clay-like in consistency.

**Adrenals:** Cut surface of medulla of R adrenal had a multi-focal, circular, dark brown discoloration.

**Spleen:** Upon cut surface, mild congestion.

**Lymph Nodes:** Pre-scapular LN cut surface discolored dark purple-red throughout (hemorrhagic). Pulmonary LN lightly discolored dark purple-red throughout cut surface (slightly hemorrhagic). Cardiac LN, colonic LN, tracheo-bronchial LN, mesenteric LN all NVL. Pancreatic LN on cut surface discolored green (decomposition).

**REPRODUCTIVE TRACT:** Juvenile male. Testes dimensions (cm): L = 8.5 x 1.7; R = 10.0 x 1.5. Distal tip of penis discolored dark purple from sun burn. Penis on cut surface NVL.

**HEAD:** Tooth count: 23 (UR), 21 (LR), 23 (UL), 21 (LL); all teeth erupted. Tongue bloated and discolored dark purple-red throughout (hemorrhagic). Tongue had short sized papillae (neonatal character). L & R tympanic bullas poured blood upon excision. L & R eyes NVL.

**CONCLUSIONS:** Juvenile male with effusion of both R & L pleural cavities. Moderate load of active lung worm. Pulmonary LN reactive. Recently fed with stomachs full of partially digested fish and one crab. Moderate load of Phyoleter in pyloric stomach. Both L & R tympanic bullas were bloody and hemorrhagic upon excision.

HYDROCARBON ANALYSIS SAMPLES			MICROBIOLOGY		SWABS: other	
bile <input type="checkbox"/>	kidney <input checked="" type="checkbox"/>	blubber/fat <input checked="" type="checkbox"/>	Lung <input type="checkbox"/>		skin for genetics, lung worms in ETOH x1 vial	
blood <input type="checkbox"/>	muscle <input checked="" type="checkbox"/>	other: <input checked="" type="checkbox"/>	Liver <input type="checkbox"/>		three guano swabs (dorsum, ventrum, oral cavity)	
urine <input type="checkbox"/>	lung <input checked="" type="checkbox"/>		other <input type="checkbox"/>		cerebrum for HC, stomach contents for HC	
liver <input checked="" type="checkbox"/>	intestine <input checked="" type="checkbox"/>					

HISTOLOGY SAMPLES						LYMPH NODES:	
lung <input checked="" type="checkbox"/>	thyroid <input type="checkbox"/>	ileum <input type="checkbox"/>	kidney <input checked="" type="checkbox"/>	mammary gland <input type="checkbox"/>	muscle <input checked="" type="checkbox"/>	colonic <input checked="" type="checkbox"/>	gastric <input type="checkbox"/>
trachea <input checked="" type="checkbox"/>	tonsil <input type="checkbox"/>	colon <input checked="" type="checkbox"/>	ureter <input type="checkbox"/>	adrenal <input checked="" type="checkbox"/>	gonad <input checked="" 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 checked="" type="checkbox"/>	skin <input type="checkbox"/>	prostate <input type="checkbox"/>	inguinal <input type="checkbox"/>	mediastinal <input type="checkbox"/>
aorta <input checked="" type="checkbox"/>	esophagus <input checked="" type="checkbox"/>	spleen <input checked="" type="checkbox"/>	urethra <input type="checkbox"/>	eye (L/R) <input type="checkbox"/>	uterus <input type="checkbox"/>	axillary <input type="checkbox"/>	submandibular <input type="checkbox"/>
pulmonary artery <input 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"/>	mesenteric <input checked="" type="checkbox"/>	tracheobronchial <input checked="" type="checkbox"/>
thymus <input type="checkbox"/>	duodenum <input checked="" type="checkbox"/>	gall bladder <input type="checkbox"/>	bone marrow <input 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: pre-scapular LN, lung LN, R tympanum, cardiac							

Cause of death (preliminary diagnosis): <i>Indeterminate. Awaiting histopath results. Head trauma suspect.</i>	
Examiner: Cara Field, DVM	Examiner's signature: <i>C. Field DVM</i> Date: 8/23/2010