

**GROSS NECROPSY REPORT**

*Updated 11/11/2010*

**SPECIES** *Tursiops truncatus* **FIELD NUMBER** 61IMMS061110 **DATE** 11 June 2010

**LOCATION** Ocean Springs, MS **LAT** °N / **LONG** °W

**GENDER** Male **TL** 226.0cm **COND** 3 **WEIGHT** N/E 500lbs. est.

**NECROPSY**

**EXTERNAL EXAM:**

Emaciated with extensive concave epaxial muscle. Transverse processes were palpable throughout mid-thoracic to caudal vertebrae. Both R and L scapulas visible. Healed tooth rakes were present on the dorsal surface of the thorax. Dorsal surface of L pectoral fin possessed multiple healing tooth rakes. Cranial margin of the dorsal fin possessed healed con-specific tooth rakes extending to the middle and caudal edges. R and L ventral surfaces of the flukes possessed healed con-specific tooth rakes along the leading edges at insertion site extending to the distal tips of the blades. Lateral R anterior to genital slit multiple healing con-specific tooth rakes. R pectoral fin along leading edge and dorsal surface of pectoral flipper possessed multiple healing tooth rakes. Mid-thoracic body wall healing tooth rakes were present. Ventral aspect of the head was discolored pink (blood pooling). Just ventral to L eye were multiple healing tooth rakes. Teeth at the tip of the rostrum were worn down and broken. Very distal tip of the mandible epidermal scar tissue was obvious. Both R and L gapes were clean. Tongue had small length papillae present.

Lateral body wall possessed adherent brown substance (oil?) just caudal to axilla. R dorsal surface of body, 5cm cranial to blowhole and extending 4.5 cm lateral to cranial edge of dorsal fin, possessed a straight line of brown adherent substance (oil?). Caudally brown line (oil?) extended from the caudal insertion of the dorsal fin to mid-peduncle. To the right of the brown line the skin was well hydrated and "normal" in color. To the left of the brown line the skin was dark grey-black and sun-burnt.

**INTERNAL EXAM**

**BLUBBER:**

Mid-thoracic blubber thickness (mm): 11 (dorsal), 10 (lateral), 5 (ventral)

Anterior dorsal fin (mm): 14 (dorsal), 14 (lateral), NE (ventral)

Peduncle (mm): 28 (dorsal), 8 (lateral), 15 (ventral)

**MUSCULOSKELETON**

**Axial Muscle:** Epaxial muscle appeared very concaved. Hypaxial muscle was tacky and adherent to blubber layer. Little lipid observed.

**Pectoral Girdle:** L shoulder joint NAF

**Axial Skeleton:** no observed broken bones.

**Ribs & Sternum:** no observed broken bones

#### **CIRCULATORY SYSTEM**

**Heart:** no visible lesions (NVL); small amount of inter-ventricular fat present, little to no atrio-ventricular fat present

**Aorta:** NVL

#### **RESPIRATORY SYSTEM**

**Blowholes:** Blood was observed upon swabbing the blowhole and pooled in trachea.

#### **Lungs:**

L lung possessed a light to moderate load of lung worm. Pleural surface discolored dark brown throughout (freeze-thaw artifact). Upon cut, parenchyma tissue dark brick red throughout. Overall, L lung was spongy and lumpy to the touch. R lung was inflated and lumpy to the touch. Light load of lung worm. Upon cut, mottled dark brick red to light pink throughout. Multiple areas of encysted nodules of lung worm.

#### **DIGESTIVE SYSTEM**

**Esophagus:** Lining discolored green-beige (decomposition). Thoracic portion contained a whole, partially digested fish. No parasites observed

**Fore Stomach:** Small amount of brown fluid present. Contained bolus of partially digested fish bones and otoliths. Lining NVL. IMMS staff reported extremely large quantity of partially digested and whole fish in stomach when collected samples on 6/11/2010.

**Main Stomach:** Light load of *Braunina* (collected). Lining discolored green-black (decomposition). A couple fish vertebrae present.

**Pyloric Stomach:** Contained one dark colored worm. Small amount light brown-beige fluid present.

#### **Intestine:**

Proximal intestine contained moderate amount of yellow-beige mucous. Lining NVL

Mid-intestine epithelium was sloughing off, ~ 50mL of beige pink mucous contents

Distal intestine contained gritty, muddy brown fluid. Lining NVL

No parasites observed throughout intestinal tract.

**Liver:** NVL, no parasites observed

**Pancreas:** NVL, soft and friable

#### **URINARY SYSTEM**

**Kidneys:** Very little amount of inter-renal fat. Upon cut, superficial reniculi cortexes were discolored dark brick red-purple throughout with beige-pink medulla. Deeper

reniculi appeared more "normal" with brick red cortexes and beige medullas.  
Discoloration a freeze-thaw artifact? No parasites observed.

**Adrenals:** NVL

**Urinary Bladder:** Contained thick, viscous yellow-reddish urine (collected). Serosa was mottled red-beige. No stones observed.

#### **ENDOCRINE & HEMOLYMPHATIC SYSTEMS**

**Thymus:** Extensive in size, NVL

**Thyroid:** NVL

**Pituitary:** NVL

**Spleen:** Moderate to heavy amount of hemosiderosis on surface.

#### **Lymph Nodes:**

Pre-scapular LN enlarged, discolored dark red (hemorrhagic / edema).

Tracheobronchial LN - NVL

Gastric LN discolored beige to dark red (hemorrhagic / edema).

Mesenteric LN - NVL

#### **REPRODUCTIVE TRACT:**

Mature male. Testis possessed a linear scar extending along the longitudinal axis. Penile lesion present at mid-shaft, circular in shape, raised cauliflower like in texture, ~1 cm by 0.5 cm. Light amount of oil adherent to external epithelium.

#### **CENTRAL NERVOUS SYSTEM**

**Brain:** Blood vessels were engorged superficially and extended deep into the sulcuses. Approximately 50 / 50 white to grey matter ratio.

**Spinal Cord:** NVL. Blood surrounding spinal cord.

#### **SENSORY ORGANS**

**Eyes:** L eye white fibrous material across the central aspect of the cornea, possible ulceration (collected whole for DROT).

**Carcass Disposition:** frozen at IMMS

**This report was generated by:** Dr. Connie Chevis, DVM (IMMS) & Marina Piscitelli (UNCW)

#### **TISSUES COLLECTED**

**June 11, 2010 – Carcass Retrieval Date**

Histo (10% Buffered Formalin): 2 jars of tissues – IMMS

Genetics – skin DMSO

Teeth  
Oil swabs

**June 14, 2010 – Necropsy Date**

**Histo (10% Buffered Formalin):** x2 Jars DROT; x1 Jar IMMS

L eye – DROT  
Pre-scapular LN  
L lung  
R ventricle  
L ventricle  
R atrium  
L atrium  
Aorta  
Thymus  
thyroid  
esophagus  
forestomach  
main stomach  
pyloric stomach  
proximal intestine  
mid-intestine  
distal intestine  
pancreas  
spleen  
liver  
kidney  
urinary bladder  
mid-thoracic blubber  
epaxial muscle  
spinal cord  
adrenal  
penile lesion  
gastric LN  
mesenteric LN  
pre-scapular LN  
tracheobronchial LN

**Brain Histo Jar x2 (IMMS & DROT):**

Pituitary  
L cerebrum  
R cerebrum  
Cerebellum  
Choroid plexus

**Cryovials:** Lung parasites x3 vials

**Hydrocarbon Analysis:**

Urine x1 glass amber vial  
Lung x2

Kidney x2  
Spleen x2  
Liver x2  
Epaxial Muscle x2  
Proximal Intestine x2  
Mid-thoracic Blubber x2  
Distal intestine contents x1  
Epidermis Axilla Swab x2  
Trachea Swab x2  
Partially digested fish from esophagus x1  
Blowhole swab x1  
Epidermal Oil Line Swab – caudal section x1  
R side epidermal oil line swab –cranial section x1  
Forestomach contents x2  
Esophagus contents x1

**Bacterial and Fungal Culture:**

Urine- MHG- Results: 1+ Plesiomonas shigelloides, No beta strep isolated. No fungus isolated at 4 weeks.

**Viral culture- Dr. Carlos Romero**

Penile lesion swab#1, #2- Positive real-time PCR for Gammaherpesviruses.

**PHOTOS/VIDEO:** Yes - photos

**ASSOCIATED DATA SHEETS:** Level A, Delphinid Specimen Record, Marine Mammal Oil Necropsy Report, Chain of Custody, NOAA Photograph Log, IMMS Necropsy Report



second & emailed 6-15-2010

### Oiled Marine Mammal

#### Gross Necropsy Report

Spill Name:	BP Deepwater Horizon		
Animal Log #:	D-0013		
Level A Field #:	61IMMS061110	Tag #:	
Species:	Tursiops truncatus		
Sex:	MALC	Age:	Adult
Weight:	250	kg	<input checked="" type="radio"/> estimate/actual <input type="radio"/>
SON:	emaciated 1 2 3 4 5 6 7 obese	Emaciated	
Measurements:	Blubber depth 14 mm		
SL:	cm	AG:	cm
UG:	cm	XG:	cm

Form completed by:	Dr. Connie Chev	Date:	6/14/2010
Enforcement Officer:			
Strand/Capture location:	Cozens Springs, MS		
Collectors Name:	Tim Hoffland		
Intake date:	6/11/2010	Euthanasia:	
Death date:	Unk	Time:	<input checked="" type="checkbox"/> yes
Post mortem date:	6/14/2010	Time:	<input checked="" type="checkbox"/> no
Carcass Classification:	Frozen:	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	
2- fresh, 3-fair (organs intact), 4-poor, 5- mummified <b>3</b>			
Photographs:	<input checked="" type="checkbox"/>		
Radiographs:	<input type="checkbox"/>		

Clinical signs/diagnosis:	Found dead in water.
Antibiotics given:	N/A
Pertinent lab results:	N/A

**GROSS NECROPSY ABNORMALITIES:**

Body condition emaciated. Shoulder blades palpable. Loss of nuchal fat. Peduncal vertebrae palpable.  
 Stomach was extremely engorged with 25-30 partially digested fish when opened on 6/11/2010.  
 Pulmonary parasites- mild to moderate.  
 Urine sample- viscous, thick, yellow chalky w/some blood.  
 Lesion on penis.  
 External oil line along right dorsum. Sunburnt on left side of line, normal hydrated skin on right side of line. Whitish brown thick adherent material was on the line.  
 Left eye had adherent whitish fibrous material. Possible corneal ulcer.  
 Brain vessels were engorged. There was clotted blood surrounding spinal cord.  
 Stomach had one braunina sp. parasite.  
 Forestomach contained partially digested fish.

HYDROCARBON ANALYSIS SAMPLES		MICROBIOLOGY	SWABS: other
bile <input type="checkbox"/>	• kidney <input checked="" type="checkbox"/> x2	Lung <input type="checkbox"/>	Perine lesion <input type="checkbox"/>
blood <input type="checkbox"/>	• muscle <input checked="" type="checkbox"/> x2	Liver <input type="checkbox"/>	<small>(Multiple of swabs- skin, trachea, blowfish)</small>
urine <input checked="" type="checkbox"/>	• lung <input checked="" type="checkbox"/> x2	other <input checked="" type="checkbox"/>	<b>Urine sample</b>
liver <input checked="" type="checkbox"/> x2	• intestine <input checked="" type="checkbox"/> x2		

HISTOLOGY SAMPLES			LYMPH NODES:				
lung <input checked="" type="checkbox"/> x3	thyroid <input checked="" type="checkbox"/>	ileum <input checked="" type="checkbox"/>	kidney <input checked="" type="checkbox"/> x3	mammary gland <input type="checkbox"/>	muscle <input checked="" type="checkbox"/>	colonic <input type="checkbox"/>	gastric <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"/> x3	gonad <input checked="" type="checkbox"/>	sublumbar <input type="checkbox"/>	hepatic <input type="checkbox"/>
heart <input checked="" type="checkbox"/> x4	tongue <input type="checkbox"/>	pancreas <input checked="" type="checkbox"/> x3	urinary bladder <input checked="" type="checkbox"/> x3	skin <input type="checkbox"/>	prostate <input type="checkbox"/>	inguinal <input type="checkbox"/>	mediastinal <input type="checkbox"/>
aorta <input checked="" type="checkbox"/> x3	esophagus <input checked="" type="checkbox"/>	spleen <input checked="" type="checkbox"/> x3	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"/> x3	blubber <input checked="" type="checkbox"/> x3	fat-site: <input 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 type="checkbox"/>		cervix <input type="checkbox"/>		
safvary gland <input type="checkbox"/>	jejunum <input checked="" type="checkbox"/>	brain <input checked="" type="checkbox"/> x2	spinal cord <input checked="" type="checkbox"/>	whole repro <input type="checkbox"/>	penis <input checked="" type="checkbox"/> x2		
other:	<i>Left Ventricle, Riv. R. Ventricle, L. Ventricle</i>						<i>Precaecal in x3</i>

Cause of death (preliminary diagnosis):	Could not be determined. Animal was emaciated but had recently gorged on fish.		
Examiner:	Connie L. Clewley-Chavis	Examiner's signature:	<i>[Signature]</i>
Date:	6/14/2010		

Specimen & emailed 6-15-2010

## Oiled Marine Mammal Gross Necropsy Report

Spill Name: BP Deepwater Horizon	
Animal Log #: D-0013	
Level A Field #: 61IMMS061110	Tag #: _____
Species: Tursiops truncatus	
Sex: _____	Age: Adult
Weight: 250 kg	<input checked="" type="radio"/> estimate/actual <input type="radio"/>
SON: emaciated 1 2 3 4 5 6 7 obese <input checked="" type="radio"/> Emaciated	
Measurements: Blubber depth 14 mm	
SL: 226 cm	AG: _____ cm
UG: _____ cm	XG: _____ cm
Clinical signs/diagnosis: Found dead in water.	
Antibiotics given: N/A	
Pertinent lab results: N/A	

Form completed by: Dr. Connie Chev	Date: 6/14/2010
Enforcement Officer: _____	
Strand/Capture location: Coasans Springs, MS	
Collectors Name: Tim Holland	
Intake date: 6/11/2010	Euthanasia: _____
Death date: Unk	Time: _____ <input checked="" type="checkbox"/> yes
Post mortem date: 6/14/2010	Time: _____ <input checked="" type="checkbox"/> no
Carcass Classification: Frozen <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	
2- fresh, 3-fair (organs intact), 4-poor, 5-mummified <input checked="" type="checkbox"/> 3	
Photographs: <input checked="" type="checkbox"/>	
Radiographs: _____	

### GROSS NECROPSY ABNORMALITIES:

Body condition emaciated. Shoulder blades palpable. Loss of nuchal fat. Peduncal vertebrae palpable.  
 Stomach was extremely engorged with 25-30 partially digested fish when opened on 6/11/2010.  
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 Brain vessels were engorged. There was clotted blood surrounding spinal cord.  
 Stomach had one braunina sp. parasite.  
 Forestomach contained partially digested fish.

HYDROCARBON ANALYSIS SAMPLES	MICROBIOLOGY	SWABS: other
bile <input type="checkbox"/> kidney <input checked="" type="checkbox"/> x2 blubber/fat <input checked="" type="checkbox"/> x2 blood <input type="checkbox"/> muscle <input checked="" type="checkbox"/> x2 other: <input checked="" type="checkbox"/> colon contents x2 urine <input checked="" type="checkbox"/> lung <input checked="" type="checkbox"/> x2 liver <input checked="" type="checkbox"/> x2 intestine <input checked="" type="checkbox"/> x2	Lung <input type="checkbox"/> Liver <input type="checkbox"/> other <input checked="" type="checkbox"/> Urine sample	Penis lesion <input type="checkbox"/> Multiple of swabs- (Mn, trachea, blowhole)
HISTOLOGY SAMPLES	LYMPH NODES:	
lung <input checked="" type="checkbox"/> x3 thyroid <input checked="" type="checkbox"/> ileum <input checked="" type="checkbox"/> kidney <input checked="" type="checkbox"/> x3 mammary gland <input type="checkbox"/> muscle <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"/> x3 gonad <input checked="" type="checkbox"/> heart <input checked="" type="checkbox"/> x4 tongue <input type="checkbox"/> pancreas <input checked="" type="checkbox"/> x3 urinary bladder <input checked="" type="checkbox"/> x3 skin <input type="checkbox"/> prostate <input type="checkbox"/> aorta <input checked="" type="checkbox"/> x3 esophagus <input checked="" type="checkbox"/> spleen <input checked="" type="checkbox"/> x3 urethra <input type="checkbox"/> eye (L/R) <input type="checkbox"/> uterus <input type="checkbox"/> pulmonary artery <input type="checkbox"/> stomach <input checked="" type="checkbox"/> liver <input checked="" type="checkbox"/> x3 blubber <input checked="" type="checkbox"/> x3 fat-site: _____ vagina <input type="checkbox"/> thymus <input checked="" type="checkbox"/> duodenum <input checked="" type="checkbox"/> gall bladder <input type="checkbox"/> bone marrow <input type="checkbox"/> whole repro <input type="checkbox"/> cervix <input type="checkbox"/> salivary gland <input type="checkbox"/> jejunum <input checked="" type="checkbox"/> brain <input checked="" type="checkbox"/> x2 spinal cord <input checked="" type="checkbox"/> penis <input checked="" type="checkbox"/> x2 other: _____	colonic <input type="checkbox"/> gastric <input checked="" type="checkbox"/> sublumbar <input type="checkbox"/> hepatic <input type="checkbox"/> inguinal <input type="checkbox"/> mediastinal <input type="checkbox"/> axillary <input type="checkbox"/> submandibular <input type="checkbox"/> mesenteric <input checked="" type="checkbox"/> tracheobronchial <input checked="" type="checkbox"/> Pre-scapular LN <input checked="" type="checkbox"/> x3	
Cause of death (preliminary diagnosis): Could not be determined. Animal was emaciated but had recently gorged on fish.		
Examiner: Connie L. Jensen-Chevis	Examiner's signature: _____	Date: 6/14/2010



# Oiled Marine Mammal

## Gross Necropsy Report

Form completed by	Date	10/14/2010
Enforcement Officer		
Strand/Capture location	Ocean Strands	
Collectors Name	Tim Holsland	
Intake date	6-11-2010	Euthanasia
Death date:	Time	yes
Post mortem date	6/14/2010	Time 1:00 PM <input checked="" type="checkbox"/> no
Carcass Classification:	Frozen <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	
2-fresh, 3-fair (organs intact), 4-poor, 5-mummified <input checked="" type="checkbox"/> 3		
Photographs:	<input checked="" type="checkbox"/>	
Radiographs:	<input type="checkbox"/>	

Spill Name	EP Redoubt Harbor
Animal Log #	011MS061115
Level A Field #	611MS061115
Tag #	D-0013
Species	Truncatus
Sex:	Unknown Male Age Adult
Weight:	500 lbs kg (estimate/actual) <input type="checkbox"/>
SON:	(emaciated) 1 2 3 4 5 6 7 obese
Measurements:	Blubber depth 17 mm
SL	226 cm AC
NE	cm UG
N	cm XG
NE	cm

Clinical signs/diagnosis	
Antibiotics given	NA
Pertinent lab results	NA

### GROSS NECROPSY ABNORMALITIES:

Emaciated. Transverse processes obvious, scapula is obvious. Vertebral palpable. papilla on tongue - very small length. Just on right head just dorsal to the right eye. Skull palpable above right eye.

Pulmonary parasites

Urine sample - viscous, thick, yellow chobby w/ some blood. Urine culture submitted.

Lesions on penis

multiple sublesions

HYDROCARBON ANALYSIS SAMPLES		
bile <input type="checkbox"/>	kidney <input checked="" type="checkbox"/> 2	blubber/fat <input checked="" type="checkbox"/> x2
blood <input type="checkbox"/>	muscle <input checked="" type="checkbox"/> x2	other <input checked="" type="checkbox"/> colon contents X
urine <input checked="" type="checkbox"/> x2	lung <input checked="" type="checkbox"/> 2	
liver <input checked="" type="checkbox"/> x2	intestine <input checked="" type="checkbox"/> 2	

MICROBIOLOGY	
Lung	<input type="checkbox"/>
Liver	<input type="checkbox"/>
other	<input type="checkbox"/>

SWABS: other
<input type="checkbox"/>
<input type="checkbox"/>

HISTOLOGY SAMPLES					
lung <input checked="" type="checkbox"/> 3	thyroid <input checked="" type="checkbox"/>	ileum <input checked="" type="checkbox"/>	kidney <input checked="" type="checkbox"/> 3	mammary gland <input type="checkbox"/>	muscle <input checked="" type="checkbox"/> 3
trachea <input type="checkbox"/>	tonsil <input type="checkbox"/>	colon <input type="checkbox"/>	ureter <input type="checkbox"/>	adrenal <input checked="" type="checkbox"/> 3	gonad <input type="checkbox"/>
heart <input checked="" type="checkbox"/> 4	tongue <input type="checkbox"/>	pancreas <input checked="" type="checkbox"/> 3	urinary bladder <input checked="" type="checkbox"/> 3	skin <input type="checkbox"/>	prostate <input type="checkbox"/>
aorta <input checked="" type="checkbox"/> 3	esophagus <input checked="" type="checkbox"/>	spleen <input checked="" type="checkbox"/>	urethra <input type="checkbox"/>	eye (L/R) <input checked="" type="checkbox"/> left	uterus <input type="checkbox"/>
pulmonary artery <input type="checkbox"/>	stomach <input checked="" type="checkbox"/>	liver <input checked="" type="checkbox"/> 3	blubber <input checked="" type="checkbox"/> 3	fat site <input type="checkbox"/>	vagina <input type="checkbox"/>
thymus <input checked="" 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"/> 2	spinal cord <input checked="" type="checkbox"/> 3	whole repro <input type="checkbox"/>	penis <input checked="" type="checkbox"/> 2
other: <input type="checkbox"/> Bone M3, Thyroid M3, Pulm M3 X3				Left Ventricle, RV, Right Ventr. Lathum	

LYMPH NODES:	
colonic <input type="checkbox"/> 1	gastric <input checked="" type="checkbox"/> 3
sublumbar <input type="checkbox"/>	hepatic <input type="checkbox"/>
inguinal <input type="checkbox"/>	mediastinal <input type="checkbox"/>
axillary <input type="checkbox"/>	submandibular <input type="checkbox"/>
mesenteric <input checked="" type="checkbox"/> 3	tracheobronchial <input checked="" type="checkbox"/> 6
preScalp Ln <input checked="" type="checkbox"/> x3	

Cause of death (preliminary diagnosis)	
Examiner	Dr. Corne Chavis
Examiner's signature:	
Date	June 14, 2010

# DELPHINID SPECIMEN RECORD (AJW 04/11/93)

SPECIES T. truncatus SEX Male / Female FIELD NUMBER 61 ENNS06/10  
 LENGTH 226.0 cm WEIGHT 500.165 est PHOTO Yes / No LOG \_\_\_\_\_  
 LOCATION Ocean Springs, FL VIDEO Yes / No LOG \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ LONGITUDE \_\_\_\_\_ REPORTED BY \_\_\_\_\_  
 SI CODE: 1 2 3 4 5 HI Yes No / CBD DATE OF DEATH (D/M/Y) \_\_\_\_\_  
 (After HI determination)  
 STATUS Strand By-Catch Other DATE OF RECOVERY 1 June 2003  
 CARCASS Fresh Frozen DATE OF NECROPSY 14 Feb 2005  
 FIELD NOTES: LOCATION OF NECROPSY INNS  
 OBSERVERS Dr. Connie & Marina Piscitelli

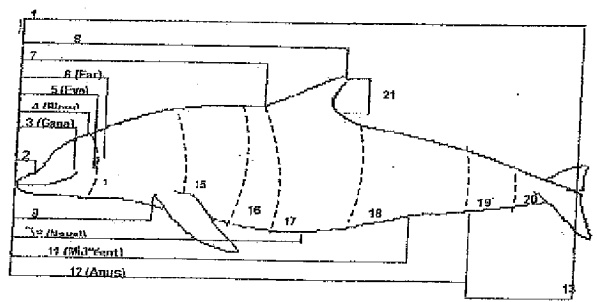
Blubber  
**BLUBBER THICKNESS cm (see diagram for girth locations)**

15-DOR	1.1	17-DOR	1.4	19-DOR	2.8
15-LAT	1.0	17-LAT	1.4	19-LAT	.8
15-VEN	.05	17-VEN	N.E	19-VEN	1.5

Emaciated Yes / No / CBD

MORPHOMETRICS Left / Right

MEASURER Dr. Connie & Marina Piscitelli



**Straight Line**

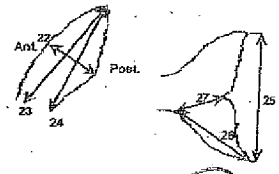
2	8.9
3	23.5
4	31.9
5	30
6	35.5
7	102
8	142
9	44.5
10	NE
11	NE
12	NE
13	107.1

**Girths**

14	NE
15	NE
16	NE
17	NE
18	NE
19	NE
20	NE

**Appendages**

21	19
22	16.5
23	40.8
24	30.2
25	61.9
26	40.0
27	19



MALE REPRODUCTIVE TISSUES: WEIGH WITHOUT EPIDIDYMES REPRODUCTIVE STATUS: Mature / Immature

LEFT TESTIS: Length \_\_\_\_\_ Width \_\_\_\_\_ Depth \_\_\_\_\_ cm Mass \_\_\_\_\_ g

RIGHT TESTIS: Length \_\_\_\_\_ Width \_\_\_\_\_ Depth \_\_\_\_\_ cm Mass \_\_\_\_\_ g

Seminal fluid in Epididymes: Copious / Present / Absent

FEMALE REPRODUCTIVE TISSUES: NOTCH LEFT OVARY REPRODUCTIVE STATUS: Mature / Immature

Lactating \_\_\_\_\_ Pregnant \_\_\_\_\_ Uterine horn (width at mid-point cm) Left \_\_\_\_\_ Right \_\_\_\_\_

Foetal length \_\_\_\_\_ cm Foetal mass \_\_\_\_\_ g Foetal sex: Male / Female

Mammary gland Left / Right Length \_\_\_\_\_ Width \_\_\_\_\_ Depth \_\_\_\_\_ cm

FIELD NUMBER

61115 06/11/07

**PARASITES**  
TISSUE

TYPE

LOAD

Absent Light Heavy NE Coll.

Skin	<i>Xenobalanus / Syncyamis / Other</i>					
Blubber	<i>Phyllobothrium / Crassicauda / Monorygma / Other</i>					
Fascia	<i>Phyllobothrium / Crassicauda / Monorygma / Other</i>					
Mammarys	<i>Phyllobothrium / Crassicauda / Other</i>					
Lungs	<i>Nematode / Other</i>		X			
Abdomen	<i>Monorygma / Other</i>					
Testes	<i>Monorygma / Other</i>					
Liver	<i>Campula / Other</i>					
Pancreas	<i>Campula / Other</i>					
Intestine	<i>Cestode / Other</i>					
Cranial Sinuses	<i>Nasitrema / Stenurus / Crassicauda / Other</i>					
Brain	<i>Nasitrema / Other</i>					
Other	<i>Stomach - Diarrhea</i>		X			

**PATHOLOGY**

Give details of specific tissues examined, pathologies that were identified and whether samples were collected

Tissue Pathology Collected

**SPECIMAN CHECKLIST**

	COLLECTED	DISPOSITION
Teeth	✓	_____
Gonads	✓	_____
Stomach	✓	_____
Skull	_____	_____
Post-cranials	_____	_____
Epiphyses	_____	_____
Genetics	✓	_____
Toxicology	✓	_____
Histopath	✓	_____
Biomechanics	_____	_____
Lipids	_____	_____
Muscles	_____	_____
NEST	_____	_____

**DATA SHEET CHECKLIST**

	DISPOSITION
SE	_____
HI	_____
Mass	_____
Blubber	_____
Nuchal	_____
Core	_____
NEST	_____
Life Hist.	_____
Stomach	_____
	_____
	_____