To: NATIONAL MARINE FISHERIES  
75 VIRGINIA BEACH DRIVE  
KEY BISCAYNE, FL 33149

Lab Number: CP00-2091  
Account No.: X44461  
Procedure: 800909  
Send via: FAXMAIL

Date Received: 05/23/2000  
Date of Report: 05/31/2000

Owner: BAHAMAS  
Identity: ZC8  
Species: ZIPHIUS  
Sex: M  
Breed: WHALE  
Age: UNKNOWN

Final Diagnosis and Comments:

GROSS DESCRIPTION:


MICROSCOPIC DIAGNOSIS:

MESENTERIC LYMPH NODE, AUTOLYSIS, MODERATE TO SEVERE AND LYMPHADENITIS, EOSINOPHILIC, MULTIFOCAL, MILD  
KIDNEY, AUTOLYSIS, MODERATE  
TESTIS, ASPERMATOGENESIS AND AUTOLYSIS, MILD  
RIGHT LATERAL MANDIBULAR BLUBBER, NOT REMARKABLE

(CONTINUED ON CP00-2091A)

GREGORY D. BOSSART, VMD, PHD
Pathologist
ANIMAL PATHOLOGY REPORT

To: NATIONAL MARINE FISHERIES
75 VIRGINIA BEACH DRIVE
KEY BISCAYNE, FL 33149

Date Received: 05/23/2000
Owner: BAHAMAS
Species: ZIPHIUS
Breed: WHALE

Final Diagnosis and Comments:
(CONTINUED FROM CP00-2091)

MICROSCOPIC DESCRIPTION:
The sections have varying degrees of post-mortem autolysis, which limits an in-depth histopathologic analysis. The mesenteric lymph node has moderate to severe post-mortem autolysis which obscures histopathologic examination. There are patchy areas along the cortex which are less obscured. In these regions increased numbers of eosinophils are present.

MULTIPLE SECTIONS OF ACOUSTIC BLUBBER FROM THE RIGHT LATERAL MANDIBLE ARE EXAMINED. THE SECTIONS CONSIST OF ABUNDANT ADIPOCYTES WITH CONFLUENT FASCICLES OF DENSE CONNECTIVE TISSUE WITH INTERSPERSED NERVES AND BLOOD VESSELS.

COMMENT:
A CAUSE OF DEATH CANNOT BE DETERMINED FROM THE TISSUES SUBMITTED. THE MESENTERIC LYMPH NODE INFLAMMATORY CHANGES ARE NON-SPECIFIC FINDINGS; HOWEVER, EOSINOPHILIC LYMPHADENITIS IS COMMONLY OBSERVED IN STRANDED FREE-RANGING ODONTOCETES AND IS TYPICALLY ATTRIBUTED TO A VERMINOUS ENTERITIS. THERE IS NO

(Continued on CP00-2091B)

GREGORY D. BOSSART, VMD, PHD
Pathologist
ANIMAL PATHOLOGY REPORT

To: NATIONAL MARINE FISHERIES
75 VIRGINIA BEACH DRIVE
KEY BISCAYNE, FL 33149

Date Received: 05/23/2000
Owner: BAHAMAS
Species: ZIPHIUS
Breed: WHALE

Final Diagnosis and Comments:
(CONTINUED FROM CP00-2091A)

MICROSCOPIC EVIDENCE OF HEMORRHAGE IN THE SECTIONS OF ACOUSTIC BLUBBER. THE RED BROWN STAINING OBSERVED GROSSLY MOST LIKELY REPRESENTED A POST MORTEM CHANGE.
ANIMAL PATHOLOGY REPORT

To: NATIONAL MARINE FISHERIES
75 VIRGINIA BEACH DRIVE
KEY BISCAYNE, FL 33149

Lab Number CP00-2091
Account No. X44461
Procedure 800909
Send via FAXMAIL

Date Received: 05/23/2000
Owner: BAHAMAS
Species: ZIPHUS
Breed: WHALE

Date of Report 05/31/2000
Identity ZC8
Sex M
Age UNKNOWN

Final Diagnosis and Comments:

GROSS DESCRIPTION:

MICROSCOPIC DIAGNOSIS:
MESENTERIC LYMPH NODE, AUTOLYSIS. MODERATE TO SEVERE AND LYMPHADENITIS. EOSINOPHILIC, MULTIFOCAL, MILD KIDNEY, AUTOLYSIS, MODERATE TESTIS, ASPERMATOGNOSIS AND AUTOLYSIS. MILD RIGHT LATERAL MANDBULAR BLUBBER, NOT REMARKABLE

(CONTINUED ON CP00-2091A)

GREGORY D. BOSSART, VMD, PHD
Pathologist
ANIMAL PATHOLOGY REPORT

To: NATIONAL MARINE FISHERIES
75 VIRGINIA BEACH DRIVE
KEY BISCAYNE, FL 33149

Date Received: 05/23/2000
Owner: BAHAMAS
Species: ZIPHIUS
Breed: WHALE

Lab Number: CP00-2091A
Account No.: X44461
Procedure: 800049
Send via: FAXMAIL

Date of Report: 05/31/2000
Identity: ZCR
Sex: M
Age: UNKNOWN

Final Diagnosis and Comments:

(CONTINUED FROM CP00-2091)

MICROSCOPIC DESCRIPTION:
THE SECTIONS HAVE VARYING DEGREES OF POST-MORTEM AUTOLYSIS, WHICH LIMITS AN IN-DEPTH HISTOPATHOLOGIC ANALYSIS. THE MESENTERIC LYMPH NODE HAS MODERATE TO SEVERE POST-MORTEM AUTOLYSIS WHICH OBSCURES HISTOPATHOLOGIC EXAMINATION. THERE ARE PATCHY AREAS ALONG THE CORTEX WHICH ARE LESS OBSCURED IN THESE REGIONS INCREASED NUMBERS OF EOSINOPHILS ARE PRESENT.
MULIPLE SECTIONS OF ACOUSTIC BLUBBER FROM THE RIGHT LATERAL MANDIBLE ARE EXAMINED. THE SECTIONS CONSIST OF ABUNDANT ADIPOCYTES WITH CONFLUENT FASCICLES OF DENSE CONNECTIVE TISSUE WITH INTERSPERSED NERVES AND BLOOD VESSELS.

COMMENT:
A CAUSE OF DEATH CANNOT BE DETERMINED FROM THE TISSUES SUBMITTED. THE MESENTERIC LYMPH NODE INFLAMMATORY CHANGES ARE NON-SPECIFIC FINDINGS. HOWEVER, EOSINOPHILIC LYMPHADENITIS IS COMMONLY OBSERVED IN STRANDED FREE-RANGING ODONTOCETES AND IS TYPICALLY ATTRIBUTED TO A VERMINOUS ENTERITIS THERE IS NO

(CONTINUED ON CP00-2091B)

GREGORY D. BOSSART, VMD, PHD
Pathologist
ANIMAL PATHOLOGY REPORT

To: NATIONAL MARINE FISHERIES
75 VIRGINIA BEACH DRIVE
KEY BISCAYNE, FL 33149

Date Received: 05/23/2000
Owner: BAHAMAS
Species: ZIPHIUS
Breed: WHALE

Final Diagnosis and Comments:
(CONTINUED FROM CP00-2091A)

MICROSCOPIC EVIDENCE OF HEMORRHAGE IN THE SECTIONS OF ACOUSTIC BLUBBER. THE RED BROWN STAINING OBSERVED GROSSLY MOST LIKELY REPRESENTED A POST MORTEM CHANGE.
June 6, 2000

2732075 00
ANIMAL, CETACEAN WHALE
ZC8 T
TPL/VIM/mw

Dr. Ruth Ewing
National Marine Fisheries Service
75 Virginia Beach Drive
Miami, FL 33149

AFIP REPORT:

ZC8 Testis; epididymis; kidney; mesenteric lymph node (per contributor); blubber, right lateral mandibular area (per contributor): Essentially normal tissues, Cuvier’s beaked whale (Ziphius cavirostris), cetacean.

COMMENT: Histopathologic examination of the submitted tissues did not reveal the cause of death. All tissues exhibit varying degrees of postmortem autolysis and bacterial overgrowth, but no significant histologic lesions are observed.

Thomas P. Lipscomb, DVM, DACVP
LTC, VC, USA
Chief, Division of Veterinary Pathology
June 6, 2000

2732075 00
ANIMAL, CETACEAN WHALE
ZC8 T
TPL/VIM/mw

Dr. Ruth Ewing
National Marine Fisheries Service
75 Virginia Beach Drive
Miami, FL 33149

AFIP REPORT:

ZC8 Testis; epididymis; kidney; mesenteric lymph node (per contributor); blubber, right lateral mandibular area (per contributor): Essentially normal tissues, Cuvier's beaked whale (Ziphius cavirostris), cetacean.

COMMENT: Histopathologic examination of the submitted tissues did not reveal the cause of death. All tissues exhibit varying degrees of postmortem autolysis and bacterial overgrowth, but no significant histologic lesions are observed.

Thomas P. Lipscomb, DVM, DACVP
LTC, VC, USA
Chief, Division of Veterinary Pathology