



NATIONAL WILDLIFE HEALTH CENTER

6006 Schroeder Road
Madison, Wisconsin 53711-6223
608-270-2400 (FAX 608-270-2415)

DIAGNOSTIC SERVICES CASE REPORT

CASE: 23478

Final Report

4/14/2011

EPIZOO:

Legal **INV#:**

Declassified

Submitter:

Mandy Tumlin
Louisiana Dept of Wildlife & Fisheries/Grand Isle
Fisheries Research Lab
195 Ludwig Annex
Grand Isle, LA 70358

Date Submitted: 3/17/2011

Specimen description/identification/Location:

ACC	SPECIES	SPECIMEN TYPE	BAND NUMBER	SUBMITTER'S ID	COUNTY	STATE
001	Dolphin, Bottlenose	SWABS (>1)	MRB-20110315-LA001	MC252	Plaquemines	LA

DIAGNOSIS

Comment:

4/14/2011

Swabs collected from the liver, lung, lung-associated lymph node, brain, and spleen were submitted for aerobic bacterial culture, anaerobic bacterial culture, and fungal culture analyses. Fungi were not cultured from any of the submitted swabs. Two different clostridial species (*Clostridium perfringens* and *Clostridium* sp.) were cultured from swabs collected from lung, lung-associated lymph node, and brain. Various additional bacteria were cultured under aerobic conditions, including isolates from the Vibrionaceae (identified as *Photobacterium* sp. by partial 16S rRNA gene sequencing) from swabs collected from lung and brain tissues. Sequence analyses indicated that these Vibrionaceae isolates were genetically identical to one another. Without companion histopathology analyses, it is not possible for our laboratory to assess the potential clinical significance of any of these isolates.

David S. Blehert

David S. Blehert,
Diagnostic Microbiologist

LeAnn White

LeAnn White Ph.D.

Wildlife Disease Specialist

Phone: 608-270-2491 E-Mail: clwhite@usgs.gov

If you have questions regarding this case, contact:

Diagnostic findings may not be used for publication without the pathologist's knowledge and consent.

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