

DIAGNOSTIC CASE REPORT

U. S. GEOLOGICAL SURVEY-BIOLOGICAL RESOURCES DIVISION
NATIONAL WILDLIFE HEALTH CENTER-HONOLULU FIELD STATION
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Case Number: 21726

Submitter Name:

Ms. Miri Tatarata
Direction de l'environnement
BP 4562
Papeete, French Polynesia 98713
France

Species submitted (n):

Turtle: Green (1)

Location:	Bora Bora	DateCollected:	09/30/2011
Area:	Society Islands	DateSubmitted:	2/10/2012
State:	French Polynesia	DateReceived:	2/13/2012
Country:	France	DateExamined:	2/21/2012

SPECIMENS SUBMITTED: Tissue-Fixed formalin

History: This turtle was taken from the wild on 2-4-11 and held captive until its death on 9-30-11. A necropsy was performed and tissues were submitted to HFS for histopathology. Identification: NAG364 and 900118001056407.

Findings: Accession 1-green turtle immature unknown sex in unknown body condition. No gross report or photos accompanied the tissues. On microscopy, the only significant findings was small numbers of parasite eggs in multiple tissues with mild inflammation.

Final diagnosis: Accession 1-Undetermined.

Comments: No microscopic lesions indicative of cause of death were seen. I saw no evidence of lesions that could incriminate infectious agents as cause of death. Also, there was no evidence of severe organ damage suggestive of trauma or poisons that would target the liver or kidney.

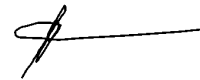
Management: I understand multiple animals died from this event but that tissues from only one were collected for pathology. In the future, it would be helpful to obtain tissues from additional dead turtles as specimens from other turtles may have more severe lesions that could explain the unusual mortality.

Report Date (mm/dd/yyyy): 3/23/2012

Necropsy report: Available upon request

Copies of this report sent to:

Mr. George Balazs (NOAA)



If you have questions regarding this case, contact Thierry M. Work MS, DVM, MPVM at 808-792-9520. Include above Case Number. Diagnostic findings may not be used for publication without the pathologist's knowledge and consent.

NOTE: Information in this report supersedes any information from previous reports regarding this case

N A T I O N A L W I L D L I F E H E A L T H C E N T E R
N E C R O P S Y R E P O R T

Submitter Name:

Ms. Miri Tatarata
Direction de l'environnement
BP 4562
Papeete, French Polynesia 98713
France

Case: 21726
Accession: 1
Date Collected: 09/30/2011
Date Examined: 2/21/2012
Prosector: Unknown
Pathologist: T. M. Work

Signalment-Morphometrics-History

CONDITION: (Unknown) POSTMORTEM: (Good) EUTHANASIA: (Not euthanized)
TAG TYPE: (Other band) TAG NO.: (900118001056407)
SPECIES: (Turtle: Green) AGE: (Immature) SEX: (Unknown)
MORPHOMETRICS: Curved carapace length (50.5 cm), Curved carapace width (46.7 cm).
COLLECTION-SITE: (Bora Bora) AREA: (Society Islands) STATE: (French Polynesia)
COUNTRY: (France)
HISTORY: This turtle was taken from the wild on 2-4-11 and held captive until its death on 9-30-11. A necropsy was performed and tissues were submitted to HFS for histopathology. Identification: NAG364 and 900118001056407.

External/Internal

EXTERNAL:

INTERNAL:

PRELIMINARY DIAGNOSIS: Undetermined.

Samples

SECIMENS RECEIVED: Tissue-Fixed formalin.
HISTO: Heart (A); Spleen (B); Lung (C); Liver, Kidney (D); Liver, Heart (E); Kidney, Intestine small, Pancreas, Liver (F); Fat, Heart, Pancreas (G); Intestine small, Esophagus (H); Intestine small (I).

Laboratory Results

HISTOPATHOLOGY

Liver: Scattered round trematode eggs with little to no inflammatory response are seen. In one section (F), parenchyma is effaced by red cell infiltrates.

Pancreas: Localized infiltrates of red cells efface pancreatic acinar cells in one section (F).

Kidney: Rare trematode eggs surrounded by macrophages and giant cells are present.

Lung: Rare trematode eggs surrounded by macrophages and giant cells are present.

Spleen: Multiple clusters of trematode eggs surrounded by macrophages and giant cells are present. The spleen is markedly congested.

Heart: Occasional trematode eggs surrounded by macrophages and giant cells are

seen. Two types of eggs are present (bipolar and round).

All other Organs: No remarkable lesions are seen.

COMMENTS:No microscopic lesions indicative of cause of death were seen. I saw no evidence of lesions that could incriminate infectious agents as cause of death. Also, there was no evidence of severe organ damage suggestive of trauma or poisons that would target the liver or kidney.

Final Diagnosis (in order of importance)

Diagnosis	Topog	Morpho	Etiol	Funct	Dis	Link
1. Undetermined	(T00010)	()	(E00040)	(FY3500)	()	()

Diagnostic findings may not be published without the knowledge and consent of the pathologist. Milt Code: (Open)