

DIAGNOSTIC CASE REPORT

U. S. GEOLOGICAL SURVEY-BIOLOGICAL RESOURCES DIVISION
NATIONAL WILDLIFE HEALTH CENTER-HONOLULU FIELD STATION
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Case Number: 25645

Submitter Name:

Dr. Todd Jones
National Oceanic and Atmospheric
Administration
1845 Wasp Blvd Bldg 176
Honolulu, Hawaii 96818
United States

Species submitted (n):

Turtle: Hawksbill (1)

Location:	Haleiwa	DateCollected:	4/12/2019
Area:	Honolulu	DateSubmitted:	4/15/2019
State:	Hawaii	DateReceived:	4/15/2019
Country:	United States	DateExamined:	4/15/2019

SPECIMENS SUBMITTED: Carcass-Fresh

History: This turtle was found lethargic and emaciated on the shore in Haleiwa on 12 April 2019. It was picked up and taken to IRC for examination and a small hook in the right front flipper was removed. It was later taken to VCA for x-rays and bloodwork. A small hook was noted in the proximal esophagus and was removed easily. The animal was found dead on 15 April 2019.

Findings: Accession 1-hawksbill turtle immature female in emaciated body condition. Significant gross findings included large amounts of fluid in the lungs and white nodules on the intestines that on histology were parasite cysts. Other than a mild vascular trematode infection, no significant microscopic lesions were seen.

Final diagnosis: Accession 1-Emaciation.

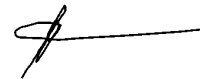
Comments: Gross and microscopic lesions pointed to starvation as cause of death.

Management: Starvation is not unusual in sea turtles, particularly immature hawksbills.

Report Date (mm/dd/yyyy): 6/10/2019

Necropsy report: Enclosed

Copies of this report sent to:



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:

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Case: 25645
Accession: 1
Date Collected: 4/12/2019
Date Examined: 4/15/2019
Prosecutor: T. M. Work
Pathologist: T. M. Work

Signalment-Morphometrics-History

CONDITION: (Emaciated) POSTMORTEM: (Excellent) EUTHANASIA: (Not euthanized)
TAG TYPE: () TAG NO.: ()
SPECIES: (Turtle: Hawksbill) AGE: (Immature) SEX: (Female)
MORPHOMETRICS: Weight carcass (4.5 kg), Straight carapace length (36.5 cm).
COLLECTION-SITE: (Haleiwa) AREA: (Honolulu) STATE: (Hawaii) COUNTRY: (United States)
HISTORY: This turtle was found lethargic and emaciated on the shore in Haleiwa on 12 April 2019. It was picked up and taken to IRC for examination and a small hook in the right front flipper was removed. It was later taken to VCA for x-rays and bloodwork. A small hook was noted in the proximal esophagus and was removed easily. The animal was found dead on 15 April 2019.

External/Internal

EXTERNAL:

INTERNAL: The liver appears mottled tan with red streaks throughout. There are fibrin tags on the liver. The lungs have massive edema and mucous. There are multiple white nodules on the proximal small intestinal serosa.

PRELIMINARY DIAGNOSIS: Emaciation.

Samples

SECIMENS RECEIVED: Carcass-Fresh.

HISTO: Liver (A); Intestine small, Adrenal, Ovary, Kidney (B); Lung (C); Heart, Lung, Thyroid (D); Pancreas, Skeletal muscle, Spleen (E); Stomach, Intestine small (F); Intestine small, Intestine large (G); Intestine large, Skin, Trachea (H).

Laboratory Results

HEMATOLOGY: Hematocrit-24%, TotalSolids-3 g/dl (4/15/2019).

HISTOPATHOLOGY

Intestine small: Rare trematode eggs surrounded by macrophages are within submucosal connective tissues. In another section (G), smooth muscle walls have multiple variably sized nidi of foamy macrophages with a central lumen sometimes containing a metazoan, and a periphery sometimes surrounded by lymphoid cells.

Pancreas: A small area of pancreas contains interstitial lymphoid infiltrates among and partially effacing acini.

Lung: Rare trematode eggs surrounded by macrophages are within smooth muscle walls.

Liver: Near the edge of some sections are isolated small foci of hemorrhage. One section has a nidus of mononuclear cells.

Kidney: Rare trematode eggs surrounded by macrophages are among proximal tubules.

Spleen: Rare trematode eggs surrounded by macrophages or giant cells are present.

All other Organs: No remarkable lesions are seen.

COMMENTS:Gross and microscopic lesions pointed to starvation as cause of death.

Final Diagnosis (in order of importance)

Diagnosis	Topog	Morpho	Etiol	Funct	Dis	Link
1. Emaciation	()	()	() (D10140) ()

Diagnostic findings may not be published without the knowledge and consent of the pathologist.

Milt Code: (Emaciation)