

# DIAGNOSTIC CASE REPORT

U. S. GEOLOGICAL SURVEY-BIOLOGICAL RESOURCES DIVISION  
NATIONAL WILDLIFE HEALTH CENTER-HONOLULU FIELD STATION  
P. O. BOX 50167, 300 ALA MOANA BLVD., Rm. 8-132  
HONOLULU, HAWAII 96850  
Tel: 808-792-9520, Fax: 792-9596, Email: thierry\_work@usgs.gov

**Case Number:** 25572

**Submitter Name:**

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

**Species submitted (n):**

Turtle: Green (1)

Location:	Ewa Beach	DateCollected:	4/22/2018
Area:	Honolulu	DateSubmitted:	4/23/2018
State:	Hawaii	DateReceived:	4/23/2018
Country:	United States	DateExamined:	4/23/2018

**SPECIMENS SUBMITTED:** Carcass-Fresh

**History:** This turtle was found stranded near Kapilina Homes in the Ewa Beach area on 22 April 2018. It was collected and taken to IRC for evaluation and humanely euthanized due to a poor prognosis. The MTBAP stranding ID is 4/22/18C.

**Findings:** Accession 1-green turtle immature female in poor body condition. Significant gross findings included multiple tumors on the eyes, skin, cloaca, and jaw hinge, and glottis along with abscesses in carapace bone.

**Final diagnosis:** Accession 1-Fibropapillomatosis.

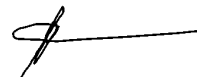
**Comments:** Gross lesions pointed to fibropapillomatosis as cause of stranding.

**Management:** Continued efforts to develop a serological test for herpesvirus associated with FP to better understand epidemiology of this disease.

**Report Date (mm/dd/yyyy):** 7/26/2018

**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**

NATIONAL WILDLIFE HEALTH CENTER  
NECROPSY REPORT

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**Submitter Name:**

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

Case: 25572  
Accession: 1  
Date Collected: 4/22/2018  
Date Examined: 4/23/2018  
Prosector: T. M. Work  
Pathologist: T. M. Work

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**Signalment-Morphometrics-History**

CONDITION:(Poor) POSTMORTEM:(Excellent) EUTHANASIA:(Lethal injection)  
TAG TYPE:(Reference Number) TAG NO.:(4/22/18C)  
SPECIES:(Turtle: Green) AGE:(Immature) SEX:(Female)  
MORPHOMETRICS: Weight carcass (21 kg), Straight carapace length (57.4 cm).  
COLLECTION-SITE:(Ewa Beach) AREA:(Honolulu) STATE:(Hawaii) COUNTRY:(United States)  
HISTORY: This turtle was found stranded near Kapilina Homes in the Ewa Beach area on 22 April 2018. It was collected and taken to IRC for evaluation and humanely euthanized due to a poor prognosis. The MTBAP stranding ID is 4/22/18C.

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**External/Internal**

EXTERNAL: There are 19 external tumors: 4 on the left front flipper, 3 each on the neck and right hind flipper, 2 on each eye, and 1 each on the right front flipper, left hind flipper, cloaca, each jaw hinge, and two tumors in the glottis.

INTERNAL: There is an abscess in the bone on the underside of the left dorsal scute and a smaller bone abscess is found cranial. The bladder contains nine trematodes.

PRELIMINARY DIAGNOSIS: Fibropapilloma.

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**Samples**

SECIMENS RECEIVED: Carcass-Fresh.

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**Laboratory Results**

HEMATOLOGY: Hematocrit-22%, TotalSolids-2.4 g/dl (4/23/2018).

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COMMENTS:Gross lesions pointed to fibropapillomatosis as cause of stranding.

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Final Diagnosis (in order of importance)

Diagnosis	Topog	Morpho	Etiol	Funct	Dis	Link
1. Fibropapillomatosis	(T01000 )	(M76810 )	( )	( )	( )	( )

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

# DIAGNOSTIC CASE REPORT

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HONOLULU, HAWAII 96850  
Tel: 808-792-9520, Fax: 792-9596, Email: thierry\_work@usgs.gov

**Case Number:** 25574

**Submitter Name:**

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

**Species submitted (n):**

Turtle: Green (1)

Location:	Puako	DateCollected:	03/12/2018
Area:	Hawaii	DateSubmitted:	4/23/2018
State:	Hawaii	DateReceived:	4/23/2018
Country:	United States	DateExamined:	4/23/2018

**SPECIMENS SUBMITTED:** Tissue-Fixed formalin

**History:** This turtle was found with fishing line entanglement injuries in a Puako tidepool on Big Island on 12 March 2018. It was shipped to Oahu and surgery was performed to remove the right front flipper which was severely severed by fishing line. The turtle was released on 22 March at Sand Island Beach Park. Formalin-fixed tissues from the amputated flipper were submitted to HFS for histology. Identification: Stranding date - 3/12/18A, LHF pit tag - 0402162820, RHF pit tag - 0402162727.

**Findings:** Accession 1-green turtle immature unknown sex in unknown body condition. Histology revealed abundant connective tissues with necrosis and lymphoid infiltrates.

**Final diagnosis:** Accession 1-Entanglement.

**Comments:** Microscopically, it appeared that the mass on the flipper was scar tissue.

**Management:**

**Report Date (mm/dd/yyyy):** 7/26/2018

**Necropsy report:** Enclosed

**Copies of this report sent to:**



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

NATIONAL WILDLIFE HEALTH CENTER  
NECROPSY REPORT

---

**Submitter Name:**

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

Case: 25574  
Accession: 1  
Date Collected: 03/12/2018  
Date Examined: 4/23/2018  
Prosector: T. M. Work  
Pathologist: T. M. Work

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**Signalment-Morphometrics-History**

CONDITION:(Unknown) POSTMORTEM:(Unknown) EUTHANASIA:(Not euthanized)  
TAG TYPE:(Reference Number) TAG NO.:(3/12/18A)  
SPECIES:(Turtle: Green) AGE:(Immature) SEX:(Unknown)  
MORPHOMETRICS: Weight carcass (19 kg), Straight carapace length (50.5 cm).  
COLLECTION-SITE:(Puako) AREA:(Hawaii) STATE:(Hawaii) COUNTRY:(United States)  
HISTORY: This turtle was found with fishing line entanglement injuries in a Puako tidepool on Big Island on 12 March 2018. It was shipped to Oahu and surgery was performed to remove the right front flipper which was severely severed by fishing line. The turtle was released on 22 March at Sand Island Beach Park. Formalin-fixed tissues from the amputated flipper were submitted to HFS for histology.  
Identification: Stranding date - 3/12/18A, LHF pit tag - 0402162820, RHF pit tag - 0402162727.

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**External/Internal**

EXTERNAL:

INTERNAL:

PRELIMINARY DIAGNOSIS: Fishing line entanglement.

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**Samples**

SECIMENS RECEIVED: Tissue-Fixed formalin.  
HISTO: Skin (A); Skin (B); Skin (C).

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**Laboratory Results**

**HISTOPATHOLOGY**

Skin: Tumor stroma consists of collagen fibers and sparse fibroblasts. Diffuse areas of the stroma manifest coagulation necrosis associated with clumps of basophilic rods and infiltrates of red cells. Unaffected skin has prominent dermal lymphoid infiltrates.

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COMMENTS:Microscopically, it appeared that the mass on the flipper was scar tissue.

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**Final Diagnosis (in order of importance)**

Diagnosis	Topog	Morpho	Etiol	Funct	Dis	Link
1. Entanglement	(	)(	)(	)(	)(D82200	)(

25574-1

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

Milt Code: (Other)

# DIAGNOSTIC CASE REPORT

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NATIONAL WILDLIFE HEALTH CENTER-HONOLULU FIELD STATION  
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HONOLULU, HAWAII 96850  
Tel: 808-792-9520, Fax: 792-9596, Email: thierry\_work@usgs.gov

**Case Number:** 25575

**Submitter Name:**

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

**Species submitted (n):**

Turtle: Green (1)

Location:	Kaiaka Bay Beach Park	DateCollected:	4/23/2018
Area:	Honolulu	DateSubmitted:	4/24/2018
State:	Hawaii	DateReceived:	4/24/2018
Country:	United States	DateExamined:	4/24/2018

**SPECIMENS SUBMITTED:** Carcass-Fresh

**History:** This turtle originally stranded on 20 April 2018 at Kaiaka Bay Beach Park near Haleiwa. It returned to the water, but stranded again on 23 April and was collected and taken to IRC for evaluation. Due to a large glottal tumor and a poor prognosis, the animal was humanely euthanized on 24 April. The MTBAP stranding identification is 4/20/18B.

**Findings:** Accession 1-green turtle immature female in fair body condition. Significant gross findings included multiple tumors on the skin, eye, jaw hinges, and glottis with leech eggs on the plastron.

**Final diagnosis:** Accession 1-Fibropapillomatosis.

**Comments:** Gross findings pointed to fibropapillomatosis as cause of stranding.

**Management:** Continued efforts to develop a serological test for herpesvirus associated with FP to better understand epidemiology of this disease.

**Report Date (mm/dd/yyyy):** 7/26/2018      **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**

NATIONAL WILDLIFE HEALTH CENTER  
NECROPSY REPORT

---

**Submitter Name:**

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

Case: 25575  
Accession: 1  
Date Collected: 4/23/2018  
Date Examined: 4/24/2018  
Prosector: T. M. Work  
Pathologist: T. M. Work

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**Signalment-Morphometrics-History**

CONDITION:(Fair) POSTMORTEM:(Excellent) EUTHANASIA:(Lethal injection)  
TAG TYPE:(Reference Number) TAG NO.:(4/20/18B)  
SPECIES:(Turtle: Green) AGE:(Immature) SEX:(Female)  
MORPHOMETRICS: Weight carcass (12.7 kg), Straight carapace length (46.3 cm).  
COLLECTION-SITE:(Kaiaka Bay Beach Park) AREA:(Honolulu) STATE:(Hawaii)  
COUNTRY:(United States)

HISTORY: This turtle originally stranded on 20 April 2018 at Kaiaka Bay Beach Park near Haleiwa. It returned to the water, but stranded again on 23 April and was collected and taken to IRC for evaluation. Due to a large glottal tumor and a poor prognosis, the animal was humanely euthanized on 24 April. The MTBAP stranding identification is 4/20/18B.

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**External/Internal**

EXTERNAL: There are 39 external tumors: 10 on the neck, 7 on the left front flipper, 6 on the right front flipper, 4 on each hind flipper, 2 on each eye, and 1 each on the cloaca, right head, each jaw hinge, and a large tumor in the glottis. There are leech eggs on the plastron.

INTERNAL: One bladder trematode is found.

PRELIMINARY DIAGNOSIS: Fibropapilloma.

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**Samples**

SECIMENS RECEIVED: Carcass-Fresh.

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**Laboratory Results**

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COMMENTS:Gross findings pointed to fibropapillomatosis as cause of stranding.

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Final Diagnosis (in order of importance)

Diagnosis	Topog	Morpho	Etiol	Funct	Dis	Link
1. Fibropapillomatosis	(T01000)	(M76810)	( )	( )	( )	( )

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

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HONOLULU, HAWAII 96850  
Tel: 808-792-9520, Fax: 792-9596, Email: thierry\_work@usgs.gov

**Case Number:** 25576

**Submitter Name:**

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

**Species submitted (n):**

Turtle: Green (1)

Location:	Laniakea	DateCollected:	4/24/2018
Area:	Honolulu	DateSubmitted:	4/25/2018
State:	Hawaii	DateReceived:	4/25/2018
Country:	United States	DateExamined:	4/25/2018

**SPECIMENS SUBMITTED:** Carcass-Fresh

**History:** This animal was found stranded near a Laniakea on 24 April 2018 and was picked up and taken to IRC for evaluation. Due to a poor prognosis, the animal was humanely euthanized the following day. The MTBAP stranding ID is 4/24/18B.

**Findings:** Accession 1-green turtle immature male in poor body condition. Significant gross findings included multiple tumors on the skin and eyes and an internal tumor in the kidney classified as a fibroma.

**Final diagnosis:** Accession 1-Fibropapillomatosis.

**Comments:** Gross and microscopic lesions pointed to fibropapillomatosis as cause of stranding.

**Management:** Continued efforts to develop a serological test for herpesvirus associated with FP to better understand epidemiology of this disease.

**Report Date (mm/dd/yyyy):** 7/26/2018      **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**



NATIONAL WILDLIFE HEALTH CENTER  
NECROPSY REPORT

---

**Submitter Name:**

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

Case: 25576  
Accession: 1  
Date Collected: 4/24/2018  
Date Examined: 4/25/2018  
Prosector: T. M. Work  
Pathologist: T. M. Work

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**Signalment-Morphometrics-History**

CONDITION:(Poor) POSTMORTEM:(Excellent) EUTHANASIA:(Lethal injection)  
TAG TYPE:(Reference Number) TAG NO.:(4/24/18B)  
SPECIES:(Turtle: Green) AGE:(Immature) SEX:(Male)  
MORPHOMETRICS: Weight carcass (5.9 kg), Straight carapace length (37.8 cm).  
COLLECTION-SITE:(Laniakea) AREA:(Honolulu) STATE:(Hawaii) COUNTRY:(United States)  
HISTORY: This animal was found stranded near Laniakea on 24 April 2018 and was  
picked up and taken to IRC for evaluation. Due to a poor prognosis, the animal was  
humanely euthanized the following day. The MTBAP stranding ID is 4/24/18B.

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**External/Internal**

EXTERNAL: There are 7 external tumors: 2 each on the left front flipper and neck and  
1 on the right front flipper and each eye.

INTERNAL: There is a 2 cm tumor on the right kidney. The intestines contain a large  
number of trematode eggs.

PRELIMINARY DIAGNOSIS: Fibropapilloma.

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**Samples**

SECIMENS RECEIVED: Carcass-Fresh.

HISTO: Kidney (A); Skin, Kidney (B); Skin (C).

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**Laboratory Results**

HEMATOLOGY: Hematocrit-30%, TotalSolids-2.2 g/dl (4/25/2018).

**HISTOPATHOLOGY**

Skin: Diffusely, tumor consists of collagenous stroma with plump pleomorphic  
fibroblasts. Diffuse areas of tumors manifest coagulation necrosis or hemorrhage.  
Tumors are overlaid by orthokeratotic hyperkeratotic epidermis.

Kidney: Tumor consists of collagenous stroma with sparse fibroblasts that  
interdigitates with tubules and contains pleomorphic cysts lined by columnar  
epithelium.

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COMMENTS:Gross and microscopic lesions pointed to fibropapillomatosis as cause of  
stranding.

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Final Diagnosis (in order of importance)

Diagnosis	Topog	Morpho	Etiol	Funct	Dis	Link
1. Fibropapillomatosis	(T01000 )	(M76810 )	( )	( )	( )	( )

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

Milt Code: (Infectious disease)

# DIAGNOSTIC CASE REPORT

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NATIONAL WILDLIFE HEALTH CENTER-HONOLULU FIELD STATION  
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HONOLULU, HAWAII 96850  
Tel: 808-792-9520, Fax: 792-9596, Email: thierry\_work@usgs.gov

**Case Number:** 25581

**Submitter Name:**

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

**Species submitted (n):**

Turtle: Green (1)

Location:	Haleiwa Boat Harbor	DateCollected:	5/3/2018
Area:	Honolulu	DateSubmitted:	5/4/2018
State:	Hawaii	DateReceived:	5/4/2018
Country:	United States	DateExamined:	5/4/2018

**SPECIMENS SUBMITTED:** Carcass-Fresh

**History:** This turtle was found stranded in Haleiwa Boat Harbor on 3 May 2018. It was taken to IRC for evaluation and the decision was made to humanely euthanize due to a poor prognosis. The MTBAP stranding date is 5/3/18.

**Findings:** Accession 1-green turtle immature male in good body condition. Significant gross findings included multiple tumors on the skin, eyes, jaw hinge and glottis. The glottal tumor partially occluded the trachea leading to lung hyperinflammation. Extensive scarring and inflammation was seen in fascia of muscle of left front flipper.

**Final diagnosis:** Accession 1-Fibropapillomatosis.

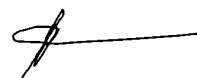
**Comments:** Necropsy pointed to fibropapillomatosis complicated by fishing line entanglement as cause of stranding.

**Management:** Continued efforts to develop a serological test for herpesvirus associated with FP to better understand epidemiology of this disease.

**Report Date (mm/dd/yyyy):** 7/26/2018

**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

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**Submitter Name:**

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

Case: 25581  
Accession: 1  
Date Collected: 5/3/2018  
Date Examined: 5/4/2018  
Prosector: T. M. Work  
Pathologist: T. M. Work

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**Signalment-Morphometrics-History**

CONDITION:(Good)                      POSTMORTEM:(Excellent)                      EUTHANASIA:(Lethal injection)

TAG TYPE:(Reference Number) TAG NO.:(5/3/18)

SPECIES:(Turtle: Green)                      AGE:(Immature)                      SEX:(Male)

MORPHOMETRICS: Weight carcass (9.8 kg), Straight carapace length (47.3 cm).

COLLECTION-SITE:(Haleiwa Boat Harbor) AREA:(Honolulu) STATE:(Hawaii) COUNTRY:(United States)

HISTORY: This turtle was found stranded in Haleiwa Boat Harbor on 3 May 2018. It was taken to IRC for evaluation and the decision was made to humanely euthanize due to a poor prognosis. The MTBAP stranding date is 5/3/18.

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**External/Internal**

EXTERNAL: The carapace and dorsal surfaces are covered in ulva and enteromorpha algae. Fishing line is wrapped around the left front flipper and a small hook is found in the left jaw hinge tumor. There are 11 external tumors: 2 on the left hind flipper and each eye and 1 on the left front flipper, right hind flipper, right front flipper, and each jaw hinge.

INTERNAL: There is a large 6X4 cm ball-valve glottal tumor causing hyperinflation of the lungs. There is an area of fibrin and scars in the fascia surrounding the left front flipper. Two trematodes are found in the bladder.

PRELIMINARY DIAGNOSIS: Fibropapilloma.

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**Samples**

SECIMENS RECEIVED: Carcass-Fresh.

HISTO: Skeletal muscle (A).

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**Laboratory Results**

HEMATOLOGY: Hematocrit-23%, TotalSolids-3.6 g/dl (5/4/2018).

**HISTOPATHOLOGY**

Skeletal muscle: Diffuse areas of fibrosis with mixed infiltrates of mononuclears and granulocytes surround cores of eosinophilic debris lined by giant cells.

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COMMENTS:Necropsy pointed to fibropapillomatosis complicated by fishing line entanglement as cause of stranding.

Final Diagnosis (in order of importance)

Diagnosis	Topog	Morpho	Etiol	Funct	Dis	Link
1. Fibropapillomatosis	(T01000 )	(M76810 )	( )	( )	( )	(AW)
2. Entanglement	( )	( )	( )	( )	(D82200 )	( )

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

Milt Code: (Infectious disease)

# DIAGNOSTIC CASE REPORT

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HONOLULU, HAWAII 96850  
Tel: 808-792-9520, Fax: 792-9596, Email: thierry\_work@usgs.gov

**Case Number:** 25583

**Submitter Name:**

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

**Species submitted (n):**

Turtle: Green (1)

Location:	Onekahakaha Beach Park	DateCollected:	5/05/2018
Area:	Hawaii	DateSubmitted:	5/9/2018
State:	Hawaii	DateReceived:	5/9/2018
Country:	United States	DateExamined:	5/9/2018

**SPECIMENS SUBMITTED:** Carcass-Chilled

**History:** This turtle was found dead, mutilated, and floating upside down in a tidepool at Onekahakaha Beach Park on 5 May 2018. The front flippers had been removed - one was found nearby along the tide line. Conservation officers were notified. The MTBAP stranding date is 5/5/18A.

**Findings:** Accession 1-green turtle adult female in excellent body condition. Significant gross findings included clotted blood in the mouth and traumatic disarticulation of both front flippers with associated bleeding. The neck was also perforated with a cut trachea and associated hemorrhage.

**Final diagnosis:** Accession 1-Trauma.

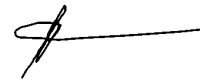
**Comments:** Gross lesions pointed to man-made trauma (butchering) as cause of death. Based on pale color of internal organs, it is likely the animal bled out. It appears that attempts were made to kill the animal by stabbing the neck and severing the trachea.

**Management:** This case has been referred to NOAA and State of Hawaii DLNR Law enforcement.

**Report Date (mm/dd/yyyy):** 7/26/2018

**Necropsy report:** Enclosed

**Copies of this report sent to:**



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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:**

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

Case: 25583  
Accession: 1  
Date Collected: 5/05/2018  
Date Examined: 5/9/2018  
Prosector: T. M. Work  
Pathologist: T. M. Work

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**Signalment-Morphometrics-History**

CONDITION:(Excellent)                      POSTMORTEM:(Good)                      EUTHANASIA:(Not euthanized)

TAG TYPE:(Reference Number) TAG NO.:(5/5/18A)

SPECIES:(Turtle: Green)                      AGE:(Adult)                      SEX:(Female)

MORPHOMETRICS: Weight carcass (64 kg), Straight carapace length (75.8 cm).

COLLECTION-SITE:(Onekahakaha Beach Park) AREA:(Hawaii) STATE:(Hawaii)  
COUNTRY:(United States)

HISTORY: This turtle was found dead, mutilated, and floating upside down in a tidepool at Onekahakaha Beach Park on 5 May 2018. The front flippers had been removed - one was found nearby along the tide line. Conservation officers were notified. The MTBAP stranding date is 5/5/18A.

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**External/Internal**

EXTERNAL: There is clotted blood on the plastron and in the mouth. Feces are coming out of the cloaca. Both front flippers are disarticulated at the scapular-humeral joint and there is associated hemorrhage in the adjoining skeletal muscle. There is a 5 cm long cross-section gash on the ventral neck with subcutaneous hemorrhage. The trachea is severed with clotted blood in the lumen. There is severe gular hemorrhage. There is a 2X1 cm gash into the left neck bone with associated hemorrhage.

INTERNAL: The heart appears pale. The gut is full of amansia. There is clotted blood in the left lung bronchus.

PRELIMINARY DIAGNOSIS: Butchered carcass.

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**Samples**

SECIMENS RECEIVED: Carcass-Chilled.

HISTO: Skeletal muscle, Heart (A); Spleen, Heart (B); Lung (C); Liver, Kidney (D).

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**Laboratory Results**

**HISTOPATHOLOGY**

Spleen: Diffusely, there are regions of brown pigment deposition.

All other Organs: No remarkable lesions are seen.

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COMMENTS:Gross lesions pointed to man-made trauma (butchering) as cause of death. Based on pale color of internal organs, it is likely animal bled out. It appears

that attempts were made to kill the animal by stabbing the neck and severing the trachea.

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Final Diagnosis (in order of importance)

Diagnosis	Topog	Morpho	Etiol	Funct	Dis	Link
1. Trauma	(T10050 )	(M10000 )	(E90020 )	( )	( )	( )

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