

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: 21678

Submitter Name:

Mr. George Balazs
National Oceanic and Atmospheric
Administration
2570 Dole St
Honolulu, Hawaii 96822
United States

Species submitted (n):

Turtle: Green (1)

Location:	Open Ocean-South Pacific	DateCollected:	04/11/2011
Area:	South Pacific	DateSubmitted:	11/28/2011
State:	South Pacific	DateReceived:	11/28/2011
Country:	United States	DateExamined:	11/28/2011

SPECIMENS SUBMITTED: Carcass-Thawed

History: This animal was hooked during a longline fishing expedition in the South Pacific (-7.1333 S, -167.400278 W). The trip identification number is AS0083, Set #6. Samples were taken for NIST specimen banking. The MTRP ID date is 4-11-11.

Findings: Accession 1-green turtle immature male in good body condition. Significant findings included a hook found embedded in the left front flipper.

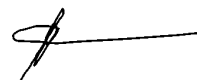
Final diagnosis: Accession 1-Forced submergence.

Comments: Gross and microscopic lesions along with history pointed to forced submergence as cause of death

Management:

Report Date (mm/dd/yyyy): 1/17/2012 **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:

Mr. George Balazs
National Oceanic and Atmospheric
Administration
2570 Dole St
Honolulu, Hawaii 96822
United States

Case: 21678
Accession: 1
Date Collected: 04/11/2011
Date Examined: 11/28/2011
Prosector: T. M. Work
Pathologist: T. M. Work

Signalment-Morphometrics-History

CONDITION: (Good) POSTMORTEM: (Fair) EUTHANASIA: (Not euthanized)
TAG TYPE: (Reference Number) TAG NO.: (4-11-11)
SPECIES: (Turtle: Green) AGE: (Immature) SEX: (Male)
MORPHOMETRICS: Weight carcass (9.2 kg), Straight carapace length (40.2 cm).
COLLECTION-SITE: (Open Ocean-South Pacific) AREA: (South Pacific) STATE: (South Pacific) COUNTRY: (United States)
HISTORY: This animal was hooked during a longline fishing expedition in the South Pacific (-7.1333 S, -167.400278 W). The trip identification number is AS0083, Set #6. Samples were taken for NIST specimen banking. The MTRP ID date is 4-11-11.

External/Internal

EXTERNAL: The turtle is hooked in the left front flipper with a size 14 hook. There are two crabs on the tail.

INTERNAL:

PRELIMINARY DIAGNOSIS: Drowning.

Samples

SECIMENS RECEIVED: Carcass-Thawed.
HISTO: Fat, Brain (A); Lung, Liver (B); Heart, Pancreas, Spleen (C); Kidney (D); Intestine small (E); Skin (F).

Laboratory Results

HISTOPATHOLOGY

Lung: Within collapsed small airways are accumulations of homogenous pink material.

All other Organs: No remarkable lesions are seen.

Morphologic Diagnosis:

1. Moderate to severe, diffuse, acute, edema, lung.

COMMENTS: Gross and microscopic lesions along with history pointed to forced submergence as cause of death

Final Diagnosis (in order of importance)

Diagnosis	Topog	Morpho	Etiol	Funct	Dis	Link
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1. Forced submergence () () () (FY2220) () ()

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

Milt Code: (Drowned)

DIAGNOSTIC CASE REPORT

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

Case Number: 21679

Submitter Name:

Mr. George Balazs
National Oceanic and Atmospheric
Administration
2570 Dole St
Honolulu, Hawaii 96822
United States

Species submitted (n):

Turtle: Green (1)

Location:	Open Ocean-South Pacific	DateCollected:	04/18/2011
Area:	South Pacific	DateSubmitted:	11/28/2011
State:	South Pacific	DateReceived:	11/28/2011
Country:	United States	DateExamined:	11/28/2011

SPECIMENS SUBMITTED: Carcass-Thawed

History: This animal was hooked during a longline fishing expedition in the South Pacific (-16.4669, -168.400278). The trip identification number is AS0084, Set #7. Samples were taken for NIST specimen banking. The MTRP ID date is 4-18-11.

Findings: Accession 1-green turtle immature unknown sex in poor body condition. Significant findings included a single bait fish in esophagus and small white nodules in the intestinal wall.

Final diagnosis: Accession 1-Forced submergence.

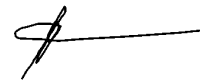
Comments: Gross and microscopic lesions along with history pointed to forced submergence as cause of death

Management: Please refer to NOAA guidelines on mitigation of longline bycatch in sea turtles.

Report Date (mm/dd/yyyy): 1/11/2012

Necropsy report: Enclosed

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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.

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**NATIONAL WILDLIFE HEALTH CENTER
NECROPSY REPORT**

Submitter Name:

Mr. George Balazs
National Oceanic and Atmospheric
Administration
2570 Dole St
Honolulu, Hawaii 96822
United States

Case: 21679
Accession: 1
Date Collected: 04/18/2011
Date Examined: 11/28/2011
Prosector: T. M. Work
Pathologist: T. M. Work

Signalment-Morphometrics-History

CONDITION: (Poor) POSTMORTEM: (Fair) EUTHANASIA: (Not euthanized)
TAG TYPE: (Reference Number) TAG NO.: (4-18-11)
SPECIES: (Turtle: Green) AGE: (Immature) SEX: (Unknown)
MORPHOMETRICS: Weight carcass (4.2 kg), Straight carapace length (30.9 cm).
COLLECTION-SITE: (Open Ocean-South Pacific) AREA: (South Pacific) STATE: (South Pacific) COUNTRY: (United States)
HISTORY: This animal was hooked during a longline fishing expedition in the South Pacific (-16.4669, -168.400278). The trip identification number is AS0084, Set #7. Samples were taken for NIST specimen banking. The MTRP ID date is 4-18-11.

External/Internal

EXTERNAL:

INTERNAL: There is one bait found in the esophagus. White nodules are seen on the intestinal serosa.

PRELIMINARY DIAGNOSIS: Drowning.

Samples

SECIMENS RECEIVED: Carcass-Thawed.

HISTO: Intestine small, Brain (A); Lung (B); Heart (C); Spleen, Kidney (D); Liver (E); Skin (F).

Laboratory Results

HISTOPATHOLOGY

Kidney: Perivascular connective tissue spaces are distended with homogenous pink material.

Lung: Within collapsed small airways are accumulations of homogenous pink material.

All other Organs: No remarkable lesions are seen.

Morphologic Diagnosis:

1. Moderate, diffuse, acute, edema, lung.

COMMENTS: Gross and microscopic lesions along with history pointed to forced submergence as cause of death

Final Diagnosis (in order of importance)

Diagnosis	Topog	Morpho	Etiol	Funct	Dis	Link
1. Forced submergence	()	()	()	(FY2220)	()	()

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

Milt Code: (Drowned)

DIAGNOSTIC CASE REPORT

U. S. GEOLOGICAL SURVEY-BIOLOGICAL RESOURCES DIVISION
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: 21682

Submitter Name:

Mr. George Balazs
National Oceanic and Atmospheric
Administration
2570 Dole St
Honolulu, Hawaii 96822
United States

Species submitted (n):

Turtle: Green (1)

Location:	Open Ocean-South Pacific	DateCollected:	05/11/2011
Area:	South Pacific	DateSubmitted:	11/29/2011
State:	South Pacific	DateReceived:	11/29/2011
Country:	United States	DateExamined:	11/29/2011

SPECIMENS SUBMITTED: Carcass-Thawed

History: This animal was hooked during a longline fishing expedition in the South Pacific (-11.517222, -170.018611). Trip identification number is AS0087, Set #14. Samples were taken for NIST specimen banking. The MTRP ID date is 5-11-11.

Findings: Accession 1-green turtle immature female in good body condition. Significant findings included a hook in the right maxilla and the presence of a single bait and small fragments of plastic in the stomach.

Final diagnosis: Accession 1-Forced submergence.

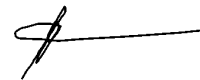
Comments: Gross and microscopic lesions along with history pointed to forced submergence as cause of death.

Management: Please refer to NOAA guidelines on mitigation of longline bycatch in sea turtles.

Report Date (mm/dd/yyyy): 1/11/2012

Necropsy report: Enclosed

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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:

Mr. George Balazs
National Oceanic and Atmospheric
Administration
2570 Dole St
Honolulu, Hawaii 96822
United States

Case: 21682
Accession: 1
Date Collected: 05/11/2011
Date Examined: 11/29/2011
Prosector: T. M. Work
Pathologist: T. M. Work

Signalment-Morphometrics-History

CONDITION: (Good) POSTMORTEM: (Good) EUTHANASIA: (Not euthanized)
TAG TYPE: (Reference Number) TAG NO.: (5-11-11)
SPECIES: (Turtle: Green) AGE: (Immature) SEX: (Female)
MORPHOMETRICS: Weight carcass (9.2 kg), Straight carapace length (41.2 cm).
COLLECTION-SITE: (Open Ocean-South Pacific) AREA: (South Pacific) STATE: (South Pacific) COUNTRY: (United States)
HISTORY: This animal was hooked during a longline fishing expedition in the South Pacific (-11.517222, -170.018611). Trip identification number is AS0087, Set #14. Samples were taken for NIST specimen banking. The MTRP ID date is 5-11-11.

External/Internal

EXTERNAL: There is a hook in the right maxilla.

INTERNAL: There is one bait and some plastic found in the stomach.

PRELIMINARY DIAGNOSIS: Drowning.

Samples

SECIMENS RECEIVED: Carcass-Thawed.

HISTO: Brain (A); Lung (B); Liver (C); Heart, Pancreas, Spleen (D); Kidney (E); Skin (F).

Laboratory Results

HISTOPATHOLOGY

Lung: Small airways contain accumulations of homogenous pink material with occasional clumps of sloughed columnar epithelium.

All other Organs: No remarkable lesions are seen.

Morphologic Diagnosis:

1. Moderate, diffuse, acute, edema, lung.

COMMENTS: Gross and microscopic lesions along with history pointed to forced submergence as cause of death.

Final Diagnosis (in order of importance)

Diagnosis	Topog	Morpho	Etiol	Funct	Dis	Link
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1. Forced submergence () () () (FY2220) () ()
Diagnostic findings may not be published without the knowledge and consent of the
pathologist. Milt Code: (Drowned)

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: 21683

Submitter Name:

Mr. George Balazs
National Oceanic and Atmospheric
Administration
2570 Dole St
Honolulu, Hawaii 96822
United States

Species submitted (n):

Turtle: Green (1)

Location:	Open Ocean-South Pacific	DateCollected:	06/09/2011
Area:	South Pacific	DateSubmitted:	11/29/2011
State:	South Pacific	DateReceived:	11/29/2011
Country:	United States	DateExamined:	11/29/2011

SPECIMENS SUBMITTED: Carcass-Thawed

History: This animal was hooked during a longline fishing expedition in the South Pacific (-15.5025, -170.783611). Trip identification number is AS0088, Set #42. Samples were taken for NIST specimen banking. The MTRP ID date is 6-9-11.

Findings: Accession 1-green turtle immature female in fair body condition. Significant findings included to baits in the esophagus and large amounts of plastic in the stomach.

Final diagnosis: Accession 1-Forced submergence.

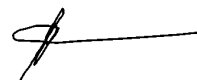
Comments: Gross and microscopic lesions along with history pointed to forced submergence as cause of death.

Management: Please refer to NOAA guidelines on mitigation of longline bycatch in sea turtles.

Report Date (mm/dd/yyyy): 1/11/2012

Necropsy report: Enclosed

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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:

Mr. George Balazs
National Oceanic and Atmospheric
Administration
2570 Dole St
Honolulu, Hawaii 96822
United States

Case: 21683
Accession: 1
Date Collected: 06/09/2011
Date Examined: 11/29/2011
Prosector: T. M. Work
Pathologist: T. M. Work

Signalment-Morphometrics-History

CONDITION: (Fair) POSTMORTEM: (Fair) EUTHANASIA: (Not euthanized)
TAG TYPE: (Reference Number) TAG NO.: (6-9-11)
SPECIES: (Turtle: Green) AGE: (Immature) SEX: (Female)
MORPHOMETRICS: Weight carcass (6.8 kg), Straight carapace length (38.2 cm).
COLLECTION-SITE: (Open Ocean-South Pacific) AREA: (South Pacific) STATE: (South Pacific) COUNTRY: (United States)
HISTORY: This animal was hooked during a longline fishing expedition in the South Pacific (-15.5025, -170.783611). Trip identification number is AS0088, Set #42. Samples were taken for NIST specimen banking. The MTRP ID date is 6-9-11.

External/Internal

EXTERNAL:

INTERNAL: There are two baits in the esophagus and a lot of plastics in the stomach.

PRELIMINARY DIAGNOSIS: Drowning.

Samples

SECIMENS RECEIVED: Carcass-Thawed.

HISTO: Brain (A); Lung (B); Kidney (C); Intestine small, Heart (D); Spleen, Liver (E).

Laboratory Results

HISTOPATHOLOGY

Kidney: Connective tissue spaces are distended with homogenous pink material.

Lung: Small airways contain accumulations of homogenous pink material with occasional clumps of sloughed columnar epithelium.

All other Organs: No remarkable lesions are seen.

Morphologic Diagnosis:

1. Moderate, diffuse, acute, edema, lung, kidney.

COMMENTS: Gross and microscopic lesions along with history pointed to forced submergence as cause of death.

Final Diagnosis (in order of importance)

Diagnosis	Topog	Morpho	Etiol	Funct	Dis	Link
1. Forced submergence	()	()	()	(FY2220)	()	()

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

Milt Code: (Drowned)

DIAGNOSTIC CASE REPORT

U. S. GEOLOGICAL SURVEY-BIOLOGICAL RESOURCES DIVISION
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: 21684

Submitter Name:

Mr. George Balazs
National Oceanic and Atmospheric
Administration
2570 Dole St
Honolulu, Hawaii 96822
United States

Species submitted (n):

Turtle: Green (1)

Location:	Open Ocean-South Pacific	DateCollected:	07/11/2011
Area:	South Pacific	DateSubmitted:	11/29/2011
State:	South Pacific	DateReceived:	11/29/2011
Country:	United States	DateExamined:	11/29/2011

SPECIMENS SUBMITTED: Carcass-Thawed

History: This animal was hooked during a longline fishing expedition in the South Pacific (-13.250278, -169.684167). Trip identification number is AS0096, Set #18. Samples were taken for NIST specimen banking. The MTRP ID date is 7-11-11.

Findings: Accession 1-green turtle immature male in excellent body condition. Significant findings included a small puncture wound on the left front flipper, raised nodules on the tongue (lymphoid nodules on microscopy) and one bait in the stomach.

Final diagnosis: Accession 1-Forced submergence.

Comments: Gross and microscopic lesions along with history pointed to forced submergence as cause of death.

Management: Please refer to NOAA guidelines on mitigation of longline bycatch in sea turtles.

Report Date (mm/dd/yyyy): 1/11/2012

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:

Mr. George Balazs
National Oceanic and Atmospheric
Administration
2570 Dole St
Honolulu, Hawaii 96822
United States

Case: 21684
Accession: 1
Date Collected: 07/11/2011
Date Examined: 11/29/2011
Prosector: T. M. Work
Pathologist: T. M. Work

Signalment-Morphometrics-History

CONDITION: (Excellent) POSTMORTEM: (Good) EUTHANASIA: (Not euthanized)
TAG TYPE: (Reference Number) TAG NO.: (7-11-11)
SPECIES: (Turtle: Green) AGE: (Immature) SEX: (Male)
MORPHOMETRICS: Weight carcass (25.4 kg), Straight carapace length (55.6 cm).
COLLECTION-SITE: (Open Ocean-South Pacific) AREA: (South Pacific) STATE: (South Pacific) COUNTRY: (United States)
HISTORY: This animal was hooked during a longline fishing expedition in the South Pacific (-13.250278, -169.684167). Trip identification number is AS0096, Set #18. Samples were taken for NIST specimen banking. The MTRP ID date is 7-11-11.

External/Internal

EXTERNAL: There is a small puncture wound on the left front flipper.

INTERNAL: There are raised nodules on the tongue. The stomach contains one bait and plastic.

PRELIMINARY DIAGNOSIS: Drowning.

Samples

SECIMENS RECEIVED: Carcass-Thawed.

HISTO: Pancreas, Brain, Bladder urinary (A); Lung (B); Spleen, Pancreas, Liver (C); Kidney, Heart (D); Skin, Heart, Esophagus (E).

Laboratory Results

HISTOPATHOLOGY

Esophagus: Scattered submucosal nidi of lymphoid cells are present.

Kidney: Connective tissue spaces are distended with homogenous pink material.

Lung: Small airways contain accumulations of homogenous pink material with occasional clumps of sloughed columnar epithelium.

All other Organs: No remarkable lesions are seen.

Morphologic Diagnosis:

1. Moderate, diffuse, acute, edema, lung, kidney.

COMMENTS:Gross and microscopic lesions along with history pointed to forced submergence as cause of death.

Final Diagnosis (in order of importance)

Diagnosis	Topog	Morpho	Etiol	Func	Dis	Link
1. Forced submergence	()	()	()	(FY2220)	()	()

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

DIAGNOSTIC CASE REPORT

U. S. GEOLOGICAL SURVEY-BIOLOGICAL RESOURCES DIVISION
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: 25093

Submitter Name:

Mr. George Balazs
National Oceanic and Atmospheric
Administration
2570 Dole St
Honolulu, Hawaii 96822
United States

Species submitted (n):

Turtle: Green (1)

Location:	Open Ocean-South Pacific	DateCollected:	03/22/2014
Area:	South Pacific	DateSubmitted:	9/15/2014
State:	South Pacific	DateReceived:	9/15/2014
Country:	United States	DateExamined:	9/15/2014

SPECIMENS SUBMITTED: Carcass-Thawed

History: This turtle was hooked during a longline fishing expedition in the South Pacific (-6.04000° S, -166.15000° W) on 22 March 2014. Trip ID: AS0164, Set 21. The MTRP ID date is 3/22/2014. NIST samples were collected.

Findings: Accession 1-green turtle immature male in good body condition. Significant gross findings included a hook in the neck, a single bait in the esophagus, and fluid accumulation in the lungs on histology.

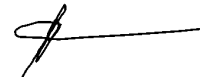
Final diagnosis: Accession 1-Forced submergence.

Comments: History, gross and microscopic findings pointed to forced submergence as cause of death.

Management: Please see NOAA recommendations regarding reduction of bycatch in sea turtles on longline fisheries.

Report Date (mm/dd/yyyy): 11/10/2014 **Necropy 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:

Mr. George Balazs
National Oceanic and Atmospheric
Administration
2570 Dole St
Honolulu, Hawaii 96822
United States

Case: 25093
Accession: 1
Date Collected: 03/22/2014
Date Examined: 9/15/2014
Prosector: T. M. Work
Pathologist: T. M. Work

Signalment-Morphometrics-History

CONDITION: (Good) POSTMORTEM: (Good) EUTHANASIA: (Not euthanized)
TAG TYPE: (Reference Number) TAG NO.: (03/22/2014)
SPECIES: (Turtle: Green) AGE: (Immature) SEX: (Male)
MORPHOMETRICS: Weight carcass (8 kg), Straight carapace length (38.7 cm).
COLLECTION-SITE: (Open Ocean-South Pacific) AREA: (South Pacific) STATE: (South Pacific) COUNTRY: (United States)
HISTORY: This turtle was hooked during a longline fishing expedition in the South Pacific (-6.04000° S, -166.15000° W) on 22 March 2014. Trip ID: AS0164, Set 21. The MTRP ID date is 3/22/2014. NIST samples were collected.

External/Internal

EXTERNAL: There is a hook in the neck.

INTERNAL: One bait is found in the esophagus. There are multiple white spots on the upper GI tract.

PRELIMINARY DIAGNOSIS: Drowning.

Samples

SECIMENS RECEIVED: Carcass-Thawed.

HISTO: Lung (A); Spleen, Intestine small (B); Skin (C).

Laboratory Results

HISTOPATHOLOGY

Lung: Diffusely, small airways are filled with homogenous eosinophilic material and clumps of edicular cells.

All other Organs: No remarkable lesions are seen.

COMMENTS: History, gross and microscopic findings pointed to forced submergence as cause of death.

Final Diagnosis (in order of importance)

Diagnosis	Topog	Morpho	Etiol	Funct	Dis	Link
1. Forced submergence	()	()	()	(FY2220)	()	()

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

Milt Code: (Drowned)

DIAGNOSTIC CASE REPORT

U. S. GEOLOGICAL SURVEY-BIOLOGICAL RESOURCES DIVISION
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: 25094

Submitter Name:

Mr. George Balazs
National Oceanic and Atmospheric
Administration
2570 Dole St
Honolulu, Hawaii 96822
United States

Species submitted (n):

Turtle: Green (1)

Location:	Open Ocean-South Pacific	DateCollected:	08/05/2013
Area:	South Pacific	DateSubmitted:	9/15/2014
State:	South Pacific	DateReceived:	9/15/2014
Country:	United States	DateExamined:	9/15/2014

SPECIMENS SUBMITTED: Carcass-Thawed

History: This turtle was hooked during a longline fishing expedition in the South Pacific (-12.52333° S, -169.58166° W) on 5 August 2013. Trip ID: AS0153, Set 16. The MTRP ID date is 8/5/2013. NIST samples were collected.

Findings: Accession 1-green turtle immature male in fair body condition. Significant gross findings included a small puncture on the right front flipper, and 2-3 bait fish in the esophagus. Histology revealed fluid accumulation in the lungs.

Final diagnosis: Accession 1-Forced submergence.

Comments: History, gross and microscopic findings pointed to forced submergence as cause of death.

Management: Please see NOAA recommendations regarding reduction of bycatch in sea turtles on longline fisheries.

Report Date (mm/dd/yyyy): 11/10/2014 **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:

Mr. George Balazs
National Oceanic and Atmospheric
Administration
2570 Dole St
Honolulu, Hawaii 96822
United States

Case: 25094
Accession: 1
Date Collected: 08/05/2013
Date Examined: 9/15/2014
Prosector: T. M. Work
Pathologist: T. M. Work

Signalment-Morphometrics-History

CONDITION: (Fair) POSTMORTEM: (Good) EUTHANASIA: (Not euthanized)
TAG TYPE: (Reference Number) TAG NO.: (08/05/2013)
SPECIES: (Turtle: Green) AGE: (Immature) SEX: (Male)
MORPHOMETRICS: Weight carcass (11 kg), Straight carapace length (43 cm).
COLLECTION-SITE: (Open Ocean-South Pacific) AREA: (South Pacific) STATE: (South Pacific) COUNTRY: (United States)
HISTORY: This turtle was hooked during a longline fishing expedition in the South Pacific (-12.52333° S, -169.58166° W) on 5 August 2013. Trip ID: AS0153, Set 16. The MTRP ID date is 8/5/2013. NIST samples were collected.

External/Internal

EXTERNAL: There is a small puncture on the right front flipper.
INTERNAL: There are two or three bait fish found in the esophagus.
PRELIMINARY DIAGNOSIS: Drowning.

Samples

SECIMENS RECEIVED: Carcass-Thawed.
HISTO: Lung (A); Spleen, Pancreas (B); Skin (C).

Laboratory Results

HISTOPATHOLOGY

Lung: Small airways contain homogenous eosinophilic material and clumps of edicular cells.
All other Organs: No remarkable lesions are seen.

COMMENTS: History, gross and microscopic findings pointed to forced submergence as cause of death.

Final Diagnosis (in order of importance)

Diagnosis	Topog	Morpho	Etiol	Funct	Dis	Link
1. Forced submergence	()	()	()	(FY2220)	()	()

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

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: 25095

Submitter Name:

Mr. George Balazs
National Oceanic and Atmospheric
Administration
2570 Dole St
Honolulu, Hawaii 96822
United States

Species submitted (n):

Turtle: Green (1)

Location:	Open Ocean-South Pacific	DateCollected:	12/09/2013
Area:	South Pacific	DateSubmitted:	9/15/2014
State:	South Pacific	DateReceived:	9/15/2014
Country:	United States	DateExamined:	9/15/2014

SPECIMENS SUBMITTED: Carcass-Thawed

History: This turtle was hooked during a longline fishing expedition in the South Pacific (-13.56167° S, -169.6333° W) on 9 December 2013. Trip ID: AS0157, Set 28. The MTRP ID date is 12/9/2013. NIST samples were collected.

Findings: Accession 1-green turtle immature female in good body condition. The animal was reported hooked on the right front flipper but not lesions were seen. A single bait was in the esophagus.

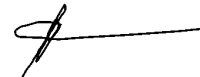
Final diagnosis: Accession 1-Forced submergence.

Comments: History, gross and microscopic findings pointed to forced submergence as cause of death.

Management: Please see NOAA recommendations regarding reduction of bycatch in sea turtles on longline fisheries.

Report Date (mm/dd/yyyy): 11/10/2014 **Necropy 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:

Mr. George Balazs
National Oceanic and Atmospheric
Administration
2570 Dole St
Honolulu, Hawaii 96822
United States

Case: 25095
Accession: 1
Date Collected: 12/09/2013
Date Examined: 9/15/2014
Prosector: T. M. Work
Pathologist: T. M. Work

Signalment-Morphometrics-History

CONDITION: (Good) POSTMORTEM: (Good) EUTHANASIA: (Not euthanized)
TAG TYPE: (Reference Number) TAG NO.: (12/09/2013)
SPECIES: (Turtle: Green) AGE: (Immature) SEX: (Female)
MORPHOMETRICS: Weight carcass (13.4 kg), Straight carapace length (45.7 cm).
COLLECTION-SITE: (Open Ocean-South Pacific) AREA: (South Pacific) STATE: (South Pacific) COUNTRY: (United States)
HISTORY: This turtle was hooked during a longline fishing expedition in the South Pacific (-13.56167° S, -169.6333° W) on 9 December 2013. Trip ID: AS0157, Set 28. The MTRP ID date is 12/9/2013. NIST samples were collected.

External/Internal

EXTERNAL: The hook is lightly embedded in the ventral right front flipper.
INTERNAL: There is one bait fish in esophagus.
PRELIMINARY DIAGNOSIS: Drowning.

Samples

SECIMENS RECEIVED: Carcass-Thawed.
HISTO: Lung (A); Lung (B).

Laboratory Results

HISTOPATHOLOGY

All organs: No remarkable lesions are seen.

COMMENTS: History, gross and microscopic findings pointed to forced submergence as cause of death.

Final Diagnosis (in order of importance)

Diagnosis	Topog	Morpho	Etiol	Funct	Dis	Link
1. Forced submergence	()	()	()	(FY2220)	()	()

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

Milt Code: (Drowned)

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: 25096

Submitter Name:

Mr. George Balazs
National Oceanic and Atmospheric
Administration
2570 Dole St
Honolulu, Hawaii 96822
United States

Species submitted (n):

Turtle: Green (1)

Location:	Open Ocean-South Pacific	DateCollected:	10/27/2013
Area:	South Pacific	DateSubmitted:	9/15/2014
State:	South Pacific	DateReceived:	9/15/2014
Country:	United States	DateExamined:	9/15/2014

SPECIMENS SUBMITTED: Carcass-Thawed

History: This turtle was hooked during a longline fishing expedition in the South Pacific (-13.02667° S, -169.635° W) on 27 October 2013. Trip ID: AS0158, Set 8. The MTRP ID date is 10/27/2013. NIST samples were collected.

Findings: Accession 1-green turtle immature female in good body condition. The animal was reported to be hooked on the left front flipper but no lesions were seen. Three baits were in the esophagus, and microscopy revealed fluid accumulation in the lungs.

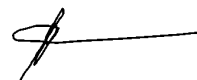
Final diagnosis: Accession 1-Forced submergence.

Comments: History, gross and microscopic findings pointed to forced submergence as cause of death.

Management: Please see NOAA recommendations regarding reduction of bycatch in sea turtles on longline fisheries.

Report Date (mm/dd/yyyy): 11/10/2014 **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:

Mr. George Balazs
National Oceanic and Atmospheric
Administration
2570 Dole St
Honolulu, Hawaii 96822
United States

Case: 25096
Accession: 1
Date Collected: 10/27/2013
Date Examined: 9/15/2014
Prosector: T. M. Work
Pathologist: T. M. Work

Signalment-Morphometrics-History

CONDITION: (Good) POSTMORTEM: (Good) EUTHANASIA: (Not euthanized)
TAG TYPE: (Research Band) TAG NO.: (10/27/2013)
SPECIES: (Turtle: Green) AGE: (Immature) SEX: (Female)
MORPHOMETRICS: Weight carcass (11.9 kg), Straight carapace length (43.6 cm).
COLLECTION-SITE: (Open Ocean-South Pacific) AREA: (South Pacific) STATE: (South Pacific) COUNTRY: (United States)
HISTORY: This turtle was hooked during a longline fishing expedition in the South Pacific (-13.02667° S, -169.635° W) on 27 October 2013. Trip ID: AS0158, Set 8. The MTRP ID date is 10/27/2013. NIST samples were collected.

External/Internal

EXTERNAL: The turtle was hooked on the left front flipper/shoulder.

INTERNAL: There are three bait fish in the esophagus. There are a few white nodules on the intestinal serosa.

PRELIMINARY DIAGNOSIS: Drowning.

Samples

SECIMENS RECEIVED: Carcass-Thawed.
HISTO: Lung (A); Spleen, Pancreas (B).

Laboratory Results

HISTOPATHOLOGY

Lung: Diffusely, small airways are filled with homogenous eosinophilic material and clumps of edicular cells.

All other Organs: No remarkable lesions are seen.

COMMENTS: History, gross and microscopic findings pointed to forced submergence as cause of death.

Final Diagnosis (in order of importance)

Diagnosis	Topog	Morpho	Etiol	Funct	Dis	Link
1. Forced submergence	()	()	()	(FY2220)	()	()

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

Milt Code: (Drowned)

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: 25330

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:	Open Ocean-South Pacific	DateCollected:	01/11/2016
Area:	South Pacific	DateSubmitted:	4/14/2016
State:	South Pacific	DateReceived:	4/14/2016
Country:	United States	DateExamined:	4/14/2016

SPECIMENS SUBMITTED: Carcass-Thawed

History: This turtle was hooked during a longline fishing expedition in the South Pacific (-15°9942 -171°2567). Stranding information - AS0199, Set 08. The MTRP ID date is 1-11-16. NIST samples were taken.

Findings: Accession 1-green turtle immature female in fair body condition. Significant gross findings included a hook in the left front flipper and microscopic evidence of fluid accumulation in the lungs, bleeding in the heart, and increased thickness of splenic arterioles.

Final diagnosis: Accession 1-Forced submergence.

Comments: Gross and microscopic findings along with history pointed to forced submergence as cause of death.

Management: Please see NMFS recommendations on mitigation measures to reduce bycatch in the north Pacific longline fishery.

Report Date (mm/dd/yyyy): 6/27/2016

Necropsy report: Enclosed

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

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: 25330
Accession: 1
Date Collected: 01/11/2016
Date Examined: 4/14/2016
Prosector: T. M. Work
Pathologist: T. M. Work

Signalment-Morphometrics-History

CONDITION: (Fair) POSTMORTEM: (Good) EUTHANASIA: (Not euthanized)
TAG TYPE: (Reference Number) TAG NO.: (1-11-16)
SPECIES: (Turtle: Green) AGE: (Immature) SEX: (Female)
MORPHOMETRICS: Weight carcass (11.2 kg), Straight carapace length (42.8 cm).
COLLECTION-SITE: (Open Ocean-South Pacific) AREA: (South Pacific) STATE: (South Pacific) COUNTRY: (United States)
HISTORY: This turtle was hooked during a longline fishing expedition in the South Pacific (-15°9942 -171°2567). Stranding information - AS0199, Set 08. The MTRP ID date is 1-11-16. NIST samples were taken.

External/Internal

EXTERNAL: There is a hook in the left front flipper.

INTERNAL:

PRELIMINARY DIAGNOSIS: Drowning.

Samples

SECIMENS RECEIVED: Carcass-Thawed.
HISTO: Heart (A); Lung (B); Spleen, Kidney (C); Skin, Liver (D).

Laboratory Results

HISTOPATHOLOGY

Spleen: There is medial hypertrophy of arterioles.

Lung: Airways are filled with moderate amounts of homogenous pink material.

Heart: Moderate infiltrates of red cells are within myocardium.

All other Organs: No remarkable lesions are seen.

COMMENTS: Gross and microscopic findings along with history pointed to forced submergence as cause of death.

Final Diagnosis (in order of importance)

Diagnosis	Topog	Morpho	Etiol	Funct	Dis	Link
1. Forced submergence	()	()(FY2220))(

25330-1

Page 2 of 2

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

Milt Code: (Drowned)

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: 25440

Submitter Name:

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

Species submitted (n):

Turtle: Olive Ridley (1)

Location:	Open Ocean-South Pacific	DateCollected:	11/15/2016
Area:	South Pacific	DateSubmitted:	2/24/2017
State:	South Pacific	DateReceived:	2/24/2017
Country:	United States	DateExamined:	2/24/2017

SPECIMENS SUBMITTED: Carcass-Thawed

History: This turtle was hooked (hook ingested) during a longline fishing expedition in the South Pacific (-12.3844°S, -169.7008°W) on 15 November 2016. Stranding information - AS0212, Set 35. The MTBAP ID date is 11-15-16. NIST samples were collected.

Findings: Accession 1-olive ridley turtle immature female in poor body condition. Significant gross findings included a hook embedded one third of the way down the esophagus, and a single bait in the stomach.

Final diagnosis: Accession 1-Forced submergence.

Comments: History, gross, and microscopic lesions pointed to forced submergence as cause of death.

Management: Please refer to NOAA recommendations for mitigation of bycatch in sea turtles in longline fisheries.

Report Date (mm/dd/yyyy): 5/16/2017

Necropsy report: Enclosed

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

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: 25440
Accession: 1
Date Collected: 11/15/2016
Date Examined: 2/24/2017
Prosector: T. M. Work
Pathologist: T. M. Work

Signalment-Morphometrics-History

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

TAG TYPE:(Reference Number) TAG NO.:(11-15-16)

SPECIES:(Turtle: Olive Ridley) AGE:(Immature) SEX:(Female)

MORPHOMETRICS: Weight carcass (7.2 kg), Straight plastron length (36.9 cm).

COLLECTION-SITE:(Open Ocean-South Pacific) AREA:(South Pacific) STATE:(South Pacific) COUNTRY:(United States)

HISTORY: This turtle was hooked (hook ingested) during a longline fishing expedition in the South Pacific (-12.3844°S, -169.7008°W) on 15 November 2016. Stranding information - AS0212, Set 35. The MTBAP ID date is 11-15-16. NIST samples were collected.

External/Internal

EXTERNAL:

INTERNAL: The hook is ingested and lodged one-third of the way down the esophagus. One bait is found in the stomach. Gut fill is 10%.

PRELIMINARY DIAGNOSIS: Drowning.

Samples

SECIMENS RECEIVED: Carcass-Thawed.

HISTO: Liver, Heart (A); Lung (B); Kidney (C).

Laboratory Results

HISTOPATHOLOGY

All organs: No remarkable lesions are seen.

COMMENTS:History, gross, and microscopic lesions pointed to forced submergence as cause of death.

Final Diagnosis (in order of importance)

Diagnosis	Topog	Morpho	Etiol	Funct	Dis	Link
1. Forced submergence	()	()	()	(FY2220)	()	()

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

Milt Code: (Drowned)

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: 25442

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:	Open Ocean-South Pacific	DateCollected:	08/20/2016
Area:	South Pacific	DateSubmitted:	2/24/2017
State:	South Pacific	DateReceived:	2/24/2017
Country:	United States	DateExamined:	2/24/2017

SPECIMENS SUBMITTED: Carcass-Thawed

History: This turtle was hooked on left front flipper during a longline fishing expedition in the South Pacific (-12.8858°S, -168.7667°W) on 20 August 2016. Stranding information - AS0207, Set 37. The MTBAP ID date is 8-20-16. NIST samples were collected.

Findings: Accession 1-green turtle immature male in good body condition. Significant gross findings included a small hole in the ventral left front flipper, a granuloma in the left pectoral muscle, a single bait in the esophagus, and microscopic evidence of fluid accumulation in the lungs.

Final diagnosis: Accession 1-Forced submergence.

Comments: History, gross, and microscopic lesions pointed to forced submergence as cause of death.

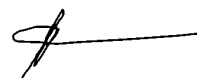
Management: Please refer to NOAA recommendations for mitigation of bycatch in sea turtles in longline fisheries.

Report Date (mm/dd/yyyy): 5/16/2017

Necropsy report: Enclosed

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:

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

Case: 25442
Accession: 1
Date Collected: 08/20/2016
Date Examined: 2/24/2017
Prosector: T. M. Work
Pathologist: T. M. Work

Signalment-Morphometrics-History

CONDITION: (Good) POSTMORTEM: (Good) EUTHANASIA: (Not euthanized)
TAG TYPE: (Reference Number) TAG NO.: (8-20-16)
SPECIES: (Turtle: Green) AGE: (Immature) SEX: (Male)
MORPHOMETRICS: Weight carcass (11.9 kg), Straight carapace length (44.4 cm).
COLLECTION-SITE: (Open Ocean-South Pacific) AREA: (South Pacific) STATE: (South Pacific) COUNTRY: (United States)
HISTORY: This turtle was hooked on left front flipper during a longline fishing expedition in the South Pacific (-12.8858°S, -168.7667°W) on 20 August 2016. Stranding information - AS0207, Set 37. The MTBAP ID date is 8-20-16. NIST samples were collected.

External/Internal

EXTERNAL: There is a small hole in the ventral left front flipper.

INTERNAL: A granuloma is found in the left pectoral muscle. One bait is found in the esophagus.

PRELIMINARY DIAGNOSIS: Drowning.

Samples

SECIMENS RECEIVED: Carcass-Thawed.

HISTO: Skin (A); Spleen, Liver, Heart (B); Lung (C); Spleen, Skin (D).

Laboratory Results

HISTOPATHOLOGY

Skin: Diffusely, there is orthokeratotic hyperkeratosis.

Lung: Small airways contain mild accumulations of pink material with sloughed epithelium.

All other Organs: No remarkable lesions are seen.

COMMENTS: History, gross, and microscopic lesions pointed to forced submergence as cause of death.

Final Diagnosis (in order of importance)

Diagnosis	Topog	Morpho	Etiol	Funct	Dis	Link
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1. Forced submergence () () () (FY2220) () ()

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

Milt Code: (Drowned)

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: 25443

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:	Open Ocean-South Pacific	DateCollected:	03/18/2016
Area:	South Pacific	DateSubmitted:	2/24/2017
State:	South Pacific	DateReceived:	2/24/2017
Country:	United States	DateExamined:	2/24/2017

SPECIMENS SUBMITTED: Carcass-Thawed

History: This turtle was hooked in the lower mandible during a longline fishing expedition in the South Pacific (-16.3617°S, -171.0220°W) on 18 March 2016. Stranding information - AS0202, Set 23. The MTBAP ID date is 3-18-16. NIST samples were collected.

Findings: Accession 1-green turtle immature male in poor body condition. Significant gross findings included laceration on the left chin and healed indentation of the right marginals. Internally, black spots were on the intestinal serosa.

Final diagnosis: Accession 1-Forced submergence.

Comments: History, gross, and microscopic lesions pointed to forced submergence as cause of death.

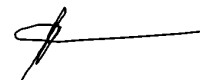
Management: Please refer to NOAA recommendations for mitigation of bycatch in sea turtles in longline fisheries.

Report Date (mm/dd/yyyy): 5/16/2017

Necropsy report: Enclosed

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:

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

Case: 25443
Accession: 1
Date Collected: 03/18/2016
Date Examined: 2/24/2017
Prosector: T. M. Work
Pathologist: T. M. Work

Signalment-Morphometrics-History

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

TAG TYPE: (Reference Number) TAG NO.: (3-18-16)

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

MORPHOMETRICS: Weight carcass (9.5 kg), Straight carapace length (42.7 cm).

COLLECTION-SITE: (Open Ocean-South Pacific) AREA: (South Pacific) STATE: (South Pacific) COUNTRY: (United States)

HISTORY: This turtle was hooked in the lower mandible during a longline fishing expedition in the South Pacific (-16.3617°S, -171.0220°W) on 18 March 2016. Stranding information - AS0202, Set 23. The MTBAP ID date is 3-18-16. NIST samples were collected.

External/Internal

EXTERNAL: There is a laceration on the left chin. There is also a healed indentation between the 6-7th marginals on the right measuring 5 X 2 cm.

INTERNAL: There is saponification of liver fat. Black spots are found on the intestinal serosa. No bait are found. Plastic pieces are felt in the gut. Gut fill is 30%.

PRELIMINARY DIAGNOSIS: Drowning.

Samples

SECIMENS RECEIVED: Carcass-Thawed.

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

Laboratory Results

HISTOPATHOLOGY

Skin: Diffusely, there is orthokeratotic hyperkeratosis.

Lung: Small airways contain mild accumulations of pink material.

All other Organs: No remarkable lesions are seen.

COMMENTS: History, gross, and microscopic lesions pointed to forced submergence as cause of death.

Final Diagnosis (in order of importance)

25443-1

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Diagnosis	Topog	Morpho	Etiol	Func	Dis	Link
1. Forced submergence	()	()	()	(FY2220)	()	()

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

Milt Code: (Drowned)