









Nick Pulcinella

From: Greg Grove [gwg2@psu.edu]
Sent: Wednesday, November 12, 2008 12:37 PM
To: nickpulcinella@verizon.net
Subject: Brown Pelican (dead) at lake raystown

Hi all - For your interest - Today (Wed.) I received the note below and attached photos from Eva Wallner-Pendleton, a vet. at Penn State Animal Diagnostic Lab and also a member of State College Bird club.

Eva sent a later correction - [Hi Greg: Correction to my previous message.](#)
[I was alerted that we do not know where the bird was banded, only that the band repository and data bank are in Laurel, MD.](#)
Eva

Greg Grove

Hi Greg:
For those who may be interested, a presumptive juvenile male brown pelican was discovered dead at Raystown Lake (mile marker 8, Senoia campground) on November 5th.
It had been leg banded in Maryland. We are waiting to hear back concerning the band. Here are pictures for folks to ID and compare with juvenile white pelicans.
Poor thing apparently did not find much to eat out here.
eva

Eva Wallner-Pendleton DVM MS DACPV
Animal Diagnostic Laboratory
Orchard Rd.
Pennsylvania State University
University Park, PA 16802
phone: 814-865-7858
fax: 814-865-3907
email: eaw10@psu.edu

--
Gregory W. Grove, Ph.D.
Instructor
Biochemistry and Molecular Biology
301 Davey Lab, Penn State
814 865 2231
gwg2@psu.edu

Nick Pulcinella

From: Nick Pulcinella [nickpulcinella@verizon.net]
Sent: Thursday, November 13, 2008 11:51 AM
To: Malosh, Geoff; Wiltraut, Rick
Cc: Pulcinella, Nick
Subject: FW: Brown Pelican (dead) at lake raystown

Geoff and Rick,

You might be interested in these photos. Carcass was incinerated but the band was kept.

Nick

-----Original Message-----

From: Greg Grove [mailto:gwg2@psu.edu]
Sent: Wednesday, November 12, 2008 12:37 PM
To: nickpulcinella@verizon.net
Subject: Brown Pelican (dead) at lake raystown

Hi all - For your interest - Today (Wed.) I received the note below and attached photos from Eva Wallner-Pendleton, a vet. at Penn State Animal Diagnostic Lab and also a member of State College Bird club.

Eva sent a later correction - [Hi Greg: Correction to my previous message.](#)
[I was alerted that we do not know where the bird was banded, only that the band repository and data bank are in Laurel, MD.](#)
Eva

Greg Grove

Hi Greg:
For those who may be interested, a presumptive juvenile male brown pelican was discovered dead at Raystown Lake (mile marker 8, Senoia campground) on November 5th. It had been leg banded in Maryland. We are waiting to hear back concerning the band. Here are pictures for folks to ID and compare with juvenile white pelicans. Poor thing apparently did not find much to eat out here.
eva

Eva Wallner-Pendleton DVM MS DACPV
Animal Diagnostic Laboratory
Orchard Rd.
Pennsylvania State University
University Park, PA 16802
phone: 814-865-7858

11/16/2008

fax: 814-865-3907
email: eaw10@psu.edu

--
Gregory W. Grove, Ph.D.
Instructor
Biochemistry and Molecular Biology
301 Davey Lab, Penn State
814 865 2231
gwg2@psu.edu



Pennsylvania Animal Diagnostic Laboratory System
PADLS - PSU
Penn State University
Orchard Road
University Park 16802
Phone: (814)863-0837 Fax: (814)865-3907

Report Date: 12/1/2008

Submitted Date: 11/5/2008
Collection Date: 11/5/2008

Final Report
Case Coordinator: Dr. Eva Wallner
Pendleton

Accession No: P0839526

JUSTIN VREELAND
8627 WILLIAM PENN HWY
HUNTINGDON PA 16652

Phone: (814)643-1831
Fax: (814)643-2952
Email: jvreeland@state.pa.us

Associated Parties

Owner, Veterinarian: Dr. WALTER O COTTRELL Vet Code:006203
PA Game Com.: JUSTIN VREELAND

Reference Data

Sample: 1 pelican

Animal Information

08SC4120; Avian - Ciconiiformes - Pelican - Brown - Wildlife; Juvenile

Diagnosis

Emaciation with cardiomyopathy
Skeletal muscle myopathy
Mild multifocal granulomatous hepatitis with unidentified trematodes seen in occasional bile ducts.
Mild intestinal nematodiasis

Comments

Comments:
I suspect the skeletal muscle lesions are secondary to exertion.
The parasitism seen in this juvenile animal was mild and probably fairly common.
DDE and PCB levels suggested chronic exposure to these compounds.

Lab Findings

**All Testing done at PSU unless otherwise indicated*

Avian Pathology



Pennsylvania Animal Diagnostic Laboratory System
 PADLS - PSU
 Penn State University
 Orchard Road
 University Park 16802
 Phone: (814)863-0837 Fax: (814)865-3907

Test Level Result: Wild bird necropsy(Necropsy)

A suspect subadult male brown pelican is submitted for necropsy. The bird was found dead along the shore of a lake. There is a metal leg band on the shank with the following inscription: 0938-67685 Laurel, MD 20708. The bird is emaciated judging by the following findings: no subcutaneous or abdominal fat is visible, serous atrophy of fat along the coronary groove is seen and severe breast muscle atrophy is present. The subcutaneous tissue over the neck, breast and pelvic areas shows a honey-combed appearance and there is trapped air present. No other changes are seen in these tissues that would suggest airsac rupture or cellulitis. No evidence of external trauma is found. Internally, no gross lesions are seen in respiratory tract, liver, spleen, or kidneys. The heart is round in appearance and there is dilated right ventricle and thinning of the right ventricular wall. The adrenals are both enlarged and bright orange in color. The testicles are small (approximately 0.75 cm long and 3 mm wide) and appear inactive. The guttural pouch, oesophageus, proventriculus and gizzard are devoid of contents. There is scant brown to black material in the small intestines. 2 moderate sized ascarid-like parasites are found in the jejunum. Wet mount examination from intestinal scrapings do not show parasitic ova or larvae. No other lesions are observed grossly. Appropriate samples are taken for further diagnostic evaluation.

Histopathology

Test Level Result: Necropsy / Biopsy - Slides(H & E)(Slide Preparation)

Histopathology:

Liver: Multifocal granulomatous hepatitis with presence of occasional trematodes seen in bile ducts is present.
 Kidney: No significant lesions.
 Spleen: Diffuse lymphoid atrophy is noted.
 Trachea, lung, proventriculus: No significant lesions.
 Skeletal muscles: Acute multifocal myopathy with swelling and granular degeneration of muscle fibers is seen.
 Heart: No significant lesions.
 Brain: No significant lesions.
 Intestines: Widespread autolysis is present. No significant changes seen in the sections examined.

Microbiology

Sample	Test Name	Organism	Growth Amount
08SC4120 - Intestine - Tissue Fresh - 1			
	Salmonella culture (Diagnostic culture)	No Salmonella recovered	
	Clostridium perfringens screen (Anaerobe culture PEA and EYA plating)	Clostridium perfringens	Light
08SC4120 - Liver - Swabs - 1			
	Aerobic Culture (Aerobic Culture)	Plesiomonas shigelloides	Light

Parasitology

Sample Test Name

08SC4120 - Feces - 1



Pennsylvania Animal Diagnostic Laboratory System
 PADLS - PSU
 Penn State University
 Orchard Road
 University Park 16802
 Phone: (814)863-0837 Fax: (814)865-3907

Parasitology

Sample	Test Name
	Modified McMaster's Fecal Flotation (Fecal Flotation)
	NEGATIVE for parasites, ova, or oocysts using a Modified McMasters Technique at a sensitivity of 100 eggs/gram of feces.

Avian Virology

Test Name	NEG	NT	POS	SUS
Avian Influenza Virus (AI) (VI)	2	0	0	0
Paramyxovirus Type 1 (PMV-1), Newcastle Disease (VI)	2	0	0	0

General Results

Virus Isolation: The submitted trachea and cloacal swab specimens were NEGATIVE for AIV and PMV-1 by virus isolation in embryonating chicken eggs. (11/11/08 kjk)

Toxicology

Sample	Test Name	Result
08SC4120 - Liver - Swabs - 1		
	Mineral Screen - Heavy Metal Screen (Arsenic, Cadmium, Lead, Thallium) (ICP/MS) <i>(Test Performed at NBC)</i>	
	See general results	
	Chlorinated Hydrocarbon Insecticide Screen (GC) <i>(Test Performed at NBC)</i>	
	DDE 557 ppb PCBs (Aroclor 1260) 3053 ppb The following compounds are included in the organochlorine screen with their reported method detection limits: 50 ppb for pp-DDE, pp-DDD, dieldrin, endrin, oxychlorane, heptachlor epoxide, a-chlordane 100 ppb for á-BHC, lindane, b-BHC, heptachlor, aldrin, pp-DDT 500 ppb for methoxychlor 100 ppb for Aroclor 1260 Included as part of the screen, but no MDL (qualitative only) for endosulfan I, endosulfan II, endrin aldehyde, endosulfan sulfate, endrin ketone. (These compounds are unstable and co-elute with PCB peaks.)	
	Organic Chemical Screen (GC/MS) <i>(Test Performed at NBC)</i>	DDE and PCBs Detected
	No other compounds of interest	



Pennsylvania Animal Diagnostic Laboratory System
 PADLS - PSU
 Penn State University
 Orchard Road
 University Park 16802
 Phone: (814)863-0837 Fax: (814)865-3907

Toxicology

Sample	Test Name	Result
		Our organic chemical screens are capable of detecting a large number of compounds including pesticides (avitrol, organophosphates, carbamates, metaldehyde, organochlorines), a number of therapeutic and illicit drugs, euthanasia agents, and environmental contaminants
08SC4120 - Kidney - Tissue Fresh - 1		
	Mineral Screen - Heavy Metal Screen (Arsenic, Cadmium, Lead, Thallium) (ICP/MS) <i>(Test Performed at NBC)</i>	
	See general results	

General Results

Test: Heavy Metal Screen
 Samples: Liver and Kidney

		<u>Liver</u>	<u>Kidney</u>
Arsenic	ppm	<0.1	<0.1
Cadmium	ppm	0.041	0.076
Lead	ppm	<0.1	0.112
Thallium	ppm	<0.1	<0.1

All metal results are reported on a tissue wet weight basis.
 (cb 11/12/08)

Client Report History

Report Type	Delivery Method	Date Sent
Preliminary	US Mail	11/6/2008 2:37:24 PM
Interim	US Mail	11/12/2008 9:01:14 AM
Interim	Email	11/19/2008 2:43:36 PM

PENNSYLVANIA RARE BIRD REPORT FORM

This form is presented as a convenience and guide. It can be used if desired, but is not necessary for submitting a report. Species requiring documentation are those on the Review List or not on the Official List of Birds of Pennsylvania. Send documentation to:

Nick Pulcinella, Secretary
Pennsylvania Ornithological Records Committee
613 Howard Ave.
West Chester, PA 19380
nickpulcinella@verizon.net

SPECIES (common and scientific name) Brown Pelican Pelecanus occidentalis
Subspecies (if known) _____

NUMBER OF INDIVIDUALS 1 SEX(ES) Male

AGE(S) AND PLUMAGE(S) (e.g. immature; adult in breeding plumage; year for gulls; basic or alternate if you prefer those terms; state of molt if applicable): immature

DATE OF OBSERVATION 11-5-08 TIME 9:00 a.m.

LOCATION (city, borough, township) Penn Twp, Huntingdon County

EXACT SITE (e.g. name of park, lake, road) Seneca Campground - Seven Points Rec Area - Raystown Lake

OBSERVER REPORTING:

Name Jude T. Harrington
Address 6145 Seven Point Road
City Hosston PA State PA ZIP 16647
e-mail (optional) _____ phone (optional) 814-658-6808

OTHER OBSERVERS (only those who saw and identified the bird with you):

HABITAT (e.g. mowed field, woodland edge, any other details) shoreline of Lake within limits of campground.

DISTANCE TO BIRD _____

VIEWING CONDITIONS (sky, weather, position of sun relative to you) _____

OPTICAL EQUIPMENT USED _____

DESCRIPTION (Include as much detail as you observed - size relative to other species present; "jizz" = e.g. posture, body shape, and proportions; colors and patterns of plumage; bill, eye, and leg characteristics; other features relevant to this individual): Bird was deceased. Found approx 20 yds from Shoreline.

(Please use an additional page if necessary.)

BEHAVIOR (be as detailed as possible about what the bird was doing) _____

VOCALIZATIONS

SUPPORTING EVIDENCE IF ANY:
Photograph _____ Video recording _____ Audio recording _____ Drawing _____
Photographer/recorder/illustrator:
Name _____
Address _____
City _____ State _____ ZIP _____
e-mail (optional) _____ phone (optional) _____

Please include a copy of the photograph or recording with your report, and accompany it with a complete written documentation if the identification is obvious to you. If you made a drawing, please include it.

IF THIS IS A DEAD BIRD:
General condition _____
If collected (by permit), location and number of specimen if known _____

SEPARATION FROM SIMILAR SPECIES (how you eliminated others) _____

DISCUSSION – Anything else relevant to the observation that will aid the committee in evaluating it

(Please use an additional page if necessary)

PREVIOUS EXPERIENCE WITH THIS AND/OR SIMILAR SPECIES

ARE YOU POSITIVE OF YOUR IDENTIFICATION ? (why or why not) _____

REFERENCES CONSULTED:
During observation _____
After observation _____

DATE OF THIS REPORT: _____

SIGNATURE OF OBSERVER Jude A. Manning

Pennsylvania Ornithological Records Committee

Voting Tabulation – Round One

Species: Brown Pelican Pelecanus occidentalis

Date of Sighting: 5 November 2008 to 5 November 2008

County : HUNTINGDON

Location : RAYSTOWN LAKE

Observer(s): Eva Wallner-Pendeleton

Date of Submission: 2008

Submitted by: Greg Grove

Written Description: No

Photo: Yes

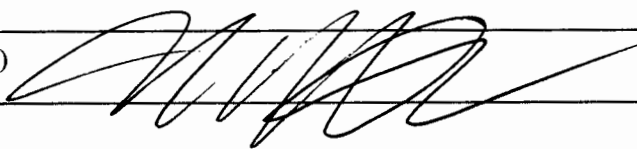
Specimen: No

Recording: No

Member	Class I	Class II	Class III	Class IV-A	Class IV-B	Class IV-C	Class V	Abstain
R. Wiltraut	X							
A. Guarente	X							
T. Johnson	X							
B. Coulter	X							
C. Rutt	X							
J. Heller	X							
G. Malosh	x							
TOTALS	7							
DECISION	X							

Comments: 7/0

Signature (Secretary)



Date:

2/3/09