

AGENDA

Board of Game and Inland Fisheries
Wildlife, Boat, and Law Enforcement Committee
7870 Villa Park Drive
Henrico, Virginia 23228

May 30, 2018
10:00 am

Committee Members: Mr. Watkins Abbitt, Chairman, Ms. Nicole Butterworth,
Mr. Ryan Brown and Mr. Douglas Dear

DGIF Staff Liaisons: Dr. Gray Anderson and Dr. Mike Bednarski

1. Call to Order and Welcome
Mr. Watkins Abbitt
2. Approval of April 11, 2018 Committee Meeting Minutes **Action**
Mr. Watkins Abbitt
3. Public Comments – Non Agenda Items
Mr. Watkins Abbitt
4. Update on Live Deer for CWD (Chronic Waste Disease)
Dr. Gray Anderson
5. Law Update
Major Scott Naff and Major Bryan Young
6. Division Update
Dr. Gray Anderson and Dr. Mike Bednarski

7. Director's Report
Mr. Bob Duncan
8. Chairman's Report
Mr. Watkins Abbitt
9. Next Meeting Date: Wednesday, August 21, 2018
Mr. Watkins Abbitt
10. Additional Business/Comments
Mr. Watkins Abbitt
11. Adjournment
Mr. Watkins Abbitt

Draft Board Minutes

Wildlife, Boat, and Law Enforcement Committee
Board of Game and Inland Fisheries
7870 Villa Park Drive- Board Room
Henrico, VA 23228

April 11, 2018
10:00 am

Present : Mr. Watkins Abbitt, Chairman, Mr. Ryan Brown, Ms. Nicole Butterworth, Mr. Douglas Dear; **Board Members**: Ms. Catherine Claiborne, Mr. Leon Boyd, Mr. Clayton Spruill; **Executive Director**: Mr. Robert W. “Bob” Duncan; **Senior Leadership Team**: Mr. Tom Guess, Mr. Lee Walker, Major Scott Naff, Dr. Mike Bednarski, Dr. Gray Anderson, Mr. Darin Moore, Major Bryan Young.

The Chairman called the meeting to order at 10:00 am and noted for the record that there was a quorum for today’s meeting. The Chairman welcomed staff and public in attendance at the meeting.

Mr. Abbitt introduced Ms. Stephanie Kitchen, Legislative Liaison from the Farm Bureau who was attending today’s meeting.

Mr. Clayton Spruill arrived at 11:30 am.

Approval of the January 16, 2018 Committee Meeting Minutes:

The Chairman called for a motion to approve the January 16, 2018 meeting minutes. Mr. Brown made a motion to approve the minutes of the January 16, 2018 committee meeting. Ms. Butterworth seconded the motion. Ayes: Abbitt, Brown, Butterworth, Dear

Public Comments – Non Agenda Items:

The Chairman called for Public Comments, hearing none, he moved on with the Agenda.

Migratory Game Bird hunting Seasons – Federal Frameworks: The Chairman called on Dr. Gary Costanzo for a presentation.

Dr. Gary Costanzo presented the Migratory Game Bird Hunting Seasons – Federal Frameworks Final Staff recommendations following the Public Comment period.

After discussion and comments, the Chairman thanked Dr. Costanzo for his presentation.

The Chairman called for a motion, Mr. Brown made a motion, Mr. Chairman, I move that the Wildlife, Boat & Law Enforcement Committee approve to the full Board the 2018-2019 Migratory Game Bird season and bag limit recommendations, and the Falconry season and bag limit recommendations as presented by staff, and further authorize staff to modify seasons and bag limits, if necessary, to comply with the final Federal Frameworks. It was seconded by Mr. Dear.

CWD Resolution: The Chairman called on Mr. Ryan Brown for presentation.

Mr. Brown presented to the committee a CWD presentation.

After discussion and comments, the Chairman thanked Mr. Brown for his presentation.

The Chairman called for a motion, Mr. Brown made a motion, Mr. Chairman, I move that the Wildlife, Boat, and Law Enforcement Committee approve to the full Board the CWD Resolution. It was seconded by Ms. Butterworth. Ayes: Abbitt, Brown, Dear, Butterworth

Aquatic Wildlife – Staff Recommendations: The Chairman called on Dr. Mike Bednarski for a presentation.

Dr. Mike Bednarski presented the Aquatic Wildlife – Staff Recommendations.

After discussion and comments, the Chairman thanked Dr. Bednarski for his presentation.

The Chairman called for a motion, Mr. Dear made a motion, Mr. Chairman, I move that the Wildlife, Boat, and Law Enforcement Committee approve to the full Board the Aquatic Wildlife – Staff Recommendations. It was seconded by Mr. Brown. Ayes: Abbitt, Brown, Dear, Butterworth

Director’s Report: The Chairman called on Mr. Tom Guess for a report.

Mr. Tom Guess reported on the 2017 Boating Incidents and on the 2017 Legislative Update.

After discussion and comments, the Chairman thanked Mr. Guess for his updates.

Law Enforcement Updates: The Chairman called on Major Bryan Young and Major Scott Naff for updates.

Major Bryan Young announced that the 10th Basic Academy had started with 32 recruits and reported that Captain Cobb was working on Professional Standards and he announced it was Public Telecommunications Week.

Major Scott Naff reported that there were 8,000 CAD calls from January 2018 through March 2018. He reported on 3 Accommodations letters various CPO’s have received from the Public.

After discussion and comments, the Chairman thanked Major Young and Major Naff.

The Chairman asked if there were any additional business or comments, hearing none, the Chairman announced the next Wildlife, Boat, and Law Enforcement Committee meeting would be Wednesday, May 30, 2018 at 10:00 am and adjourned the meeting at 12:15 pm.

Respectfully submitted,

Frances Boswell

/s/

Live Animal Chronic Wasting Disease Testing: Current Status, Future Directions



DEPARTMENT OF
**GAME & INLAND
FISHERIES**
CONSERVE. CONNECT. PROTECT.

Gray Anderson, PhD
Wildlife Resources Division Chief

Existing Official Live-Animal CWD Test

Immunohistochemistry (IHC) test
Approved by USDA for live WTD

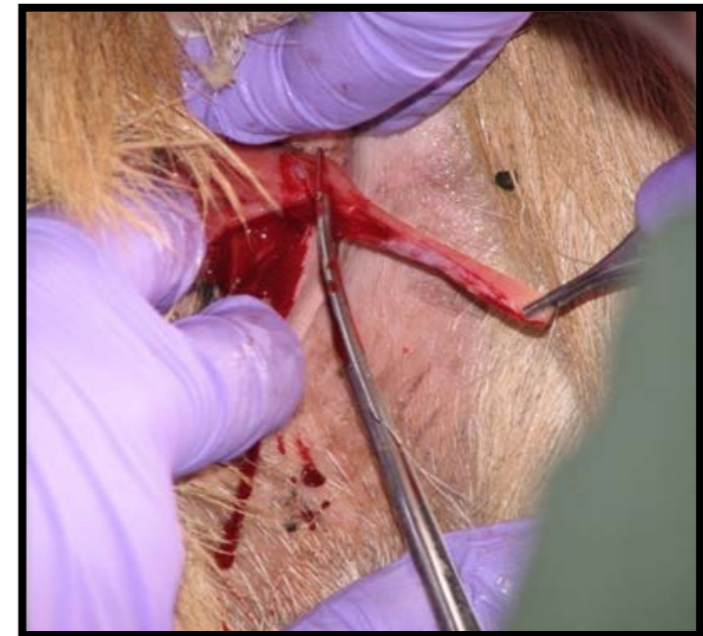
Approved Tissues

Rectoanal mucosa-associated lymphoid
tissue (RAMALT)

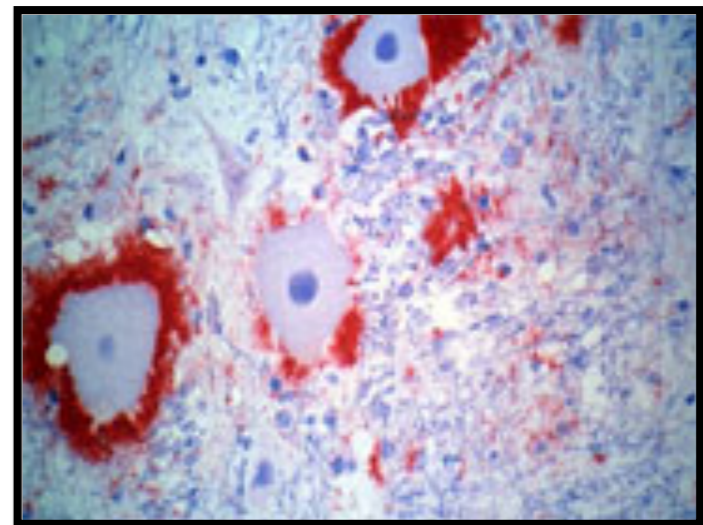
Mucosal tissue located in the rectum

Medial retropharyngeal lymph nodes
(MRPLN)

Sample must be shipped to lab for testing
7 – 10 days for sample results



Rectoanal mucosa-associated lymphoid
tissue sample collection



Pink staining of CWD-causing prion in IHC sample



Research in Progress

Approved “field” tests are post-mortem

Future “Field” testing options under development

Utilize easily accessible samples (secretions, hair, blood, etc.)

No “field” tests likely to be approved by USDA soon

Nature of prions complicates development of rapid, inexpensive testing methods



	Assay-specific conditions	Mechanism of detection	Diagnostic Visualization
Antibody-antigen interactions	IHC Acid pretreatment, enzymatic digestion, antigen exposure using fixed, prepared tissues		
	WB Enzymatic digestion of fresh or fixed tissue homogenates; gel separated and adhered to a membrane		
	EIA Enzymatic digestion or proprietary binding components using fresh tissue homogenates		
Seeded amplification	PMCA Sonication, whole brain homogenate, western blot readout		
	RT-QuIC Shaking, recombinant protein, real time fluorescent readout		

Application Process for Evaluation of New Live-Animal CWD Diagnostic Test

Evaluation of negative, early infected, and late infected individuals

Infected research animals obtained via:

Capture of wild deer → tissue collection → collar placement → samples to testing lab → animals recaptured and sampled → samples to testing lab, etc.

or

Captive deer experimentally infected with CWD → progression of disease monitored via repeated sampling and testing

Cost of either study: >\$1 million



Elk with CWD

Evaluation of CWD-Positive Deer in Virginia

Wild deer

CWD prevalence in VA “CWD ground zero” approximately 6.5%
Not high enough to have significant number in a study
Deer in similar studies had 20 – 30% prevalence rate

Captive deer

Must have extremely strict biosecurity protocols, fencing, etc.
No biosecure deer facilities in Virginia
Areas will become permanently contaminated with prions
Most experimental CWD research occurs at Tom Thorne
and Beth Williams Wildlife Research Center in Wyoming and
Foothills Wildlife Research Facility in Colorado



Summary

A live test is available for CWD testing

This test does not meet our needs

Entering the CWD research area would be expensive

Currently no in-state researchers or facilities for research support

Current post-mortem testing is sufficient for our surveillance needs

Ongoing research could lead to passive CWD monitoring techniques
in the future



Questions?

