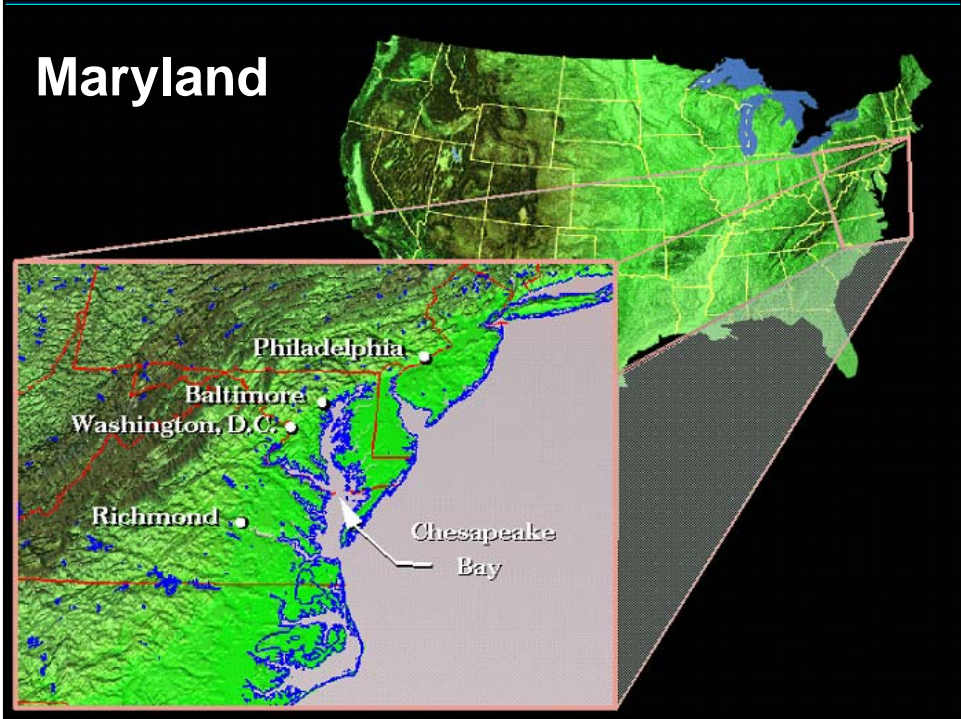


Chronic Wasting Disease

Preparedness in Maryland

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Brian Eyler, George Timko
Cindy P. Driscoll, DVM

Maryland





Chronic Wasting Disease Preparation & Response Efforts In Maryland

Presentation Outline:

1. The Maryland Plan
 - Preparation: Response plans
 - Sampling history
 - Policy implemented and actions taken
2. Catoclin Mountain Park 2008 event



Chronic Wasting Disease Preparation & Response Efforts In Maryland

Our Goals:

1. Provide timely, complete and accurate information about CWD to the public
2. Responsibly manage Maryland cervids to prevent or control CWD in the best interest of natural resources and public health
3. Use the best scientific information available to achieve these objectives



Chronic Wasting Disease Preparation & Response Efforts In Maryland

Maryland's Plan



MD DNR



Chronic Wasting Disease Preparation & Response Efforts In Maryland

MD DNR Actions – Phase 1 (no CWD)

- Restrict import, possession, and movement of cervids
- Surveillance
- Outreach



Chronic Wasting Disease Preparation & Response Efforts In Maryland

MD DNR Actions – Phase 1 Restrictions (2002-2007)

- Implemented emergency import/ movement restrictions in 2002
- Conducted CWD “Table-top” Exercise – 2005: B. Richards/ USGS
- Initially developed CWD Response Plan
 - [& CWD Action Plan in 2005 - after WV positive]
- Pursued legal action against non-permitted deer farms
- Tightened up on permitted deer farms in MD
 - 26 in 2004 – down to 15 currently permitted
 - Reinforced fencing / record keeping ear tagging individual animals / separation of sexes required
 - Inspections annually; any death – reported & necropsied within 24 hrs



Chronic Wasting Disease Preparation & Response Efforts In Maryland

MD DNR Actions – Phase 1: Response/ Surveillance

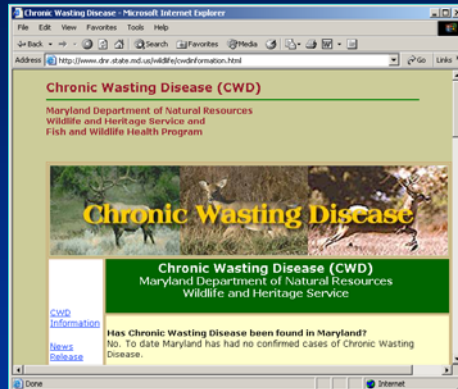
- First year: 300 samples collected – (currently > 900/yr)
- Total to date over 4600 samples collected
- Yearly training
- Road-killed deer “emergency” surveillance in western MD near WV border in 2005 (response to WV positives)



Chronic Wasting Disease Preparation & Response Efforts In Maryland

Outreach

- Website development
- Q & A fact sheet
- News releases
- Hunting Guide
- Education:
 - Veterinarians
 - Meat processors
 - Hunters
 - Captive cervid facilities



www.dnr.state.md.us/wildlife/cwdinformation.html



Chronic Wasting Disease Preparation & Response Efforts In Maryland

MDA / DHMH / USDA Partners

- Support in reviewing plans
- Support for DNR surveillance
- MDA “general public” deer necropsy / test available for a fee

MDA Labs

Oakland Salisbury
Frederick Centreville
College Park

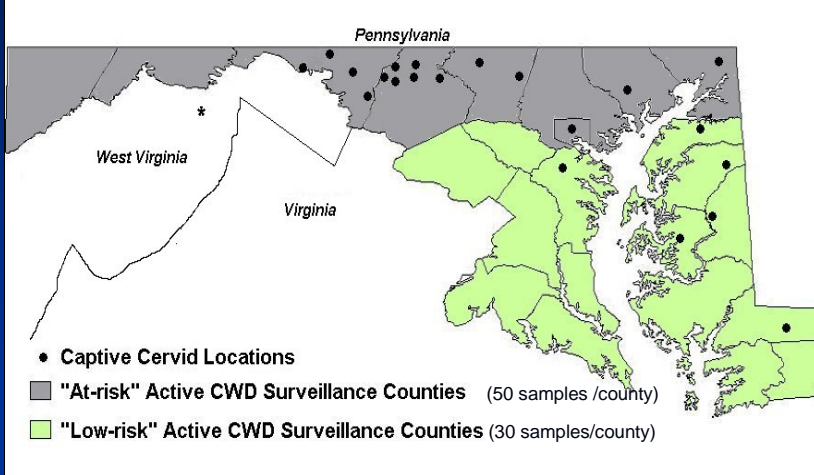


USDA

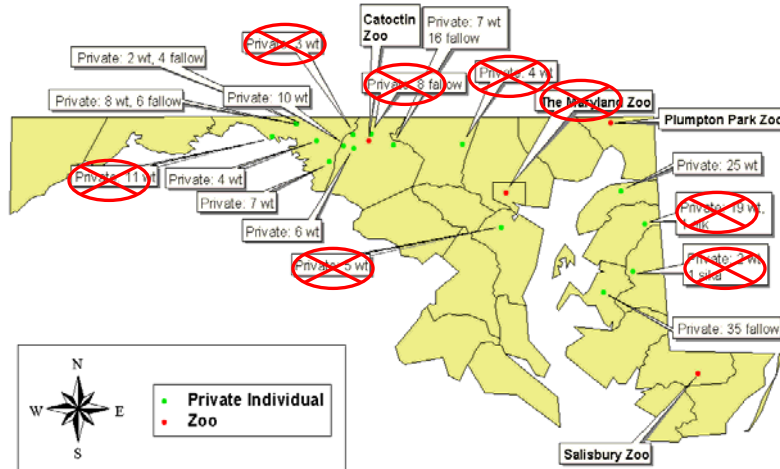


Chronic Wasting Disease Preparation & Response Efforts In Maryland

MD DNR at-risk and low-risk CWD active surveillance counties & captive permit holders

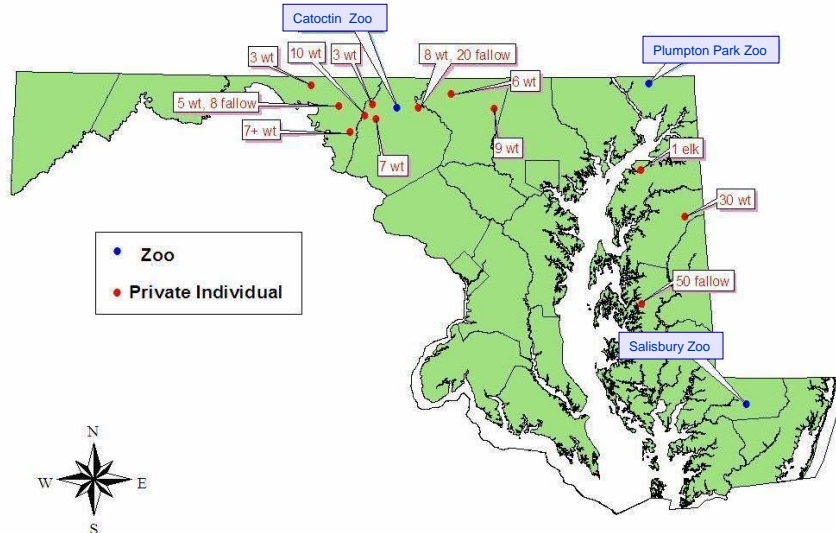


Maryland Captive Cervid Locations

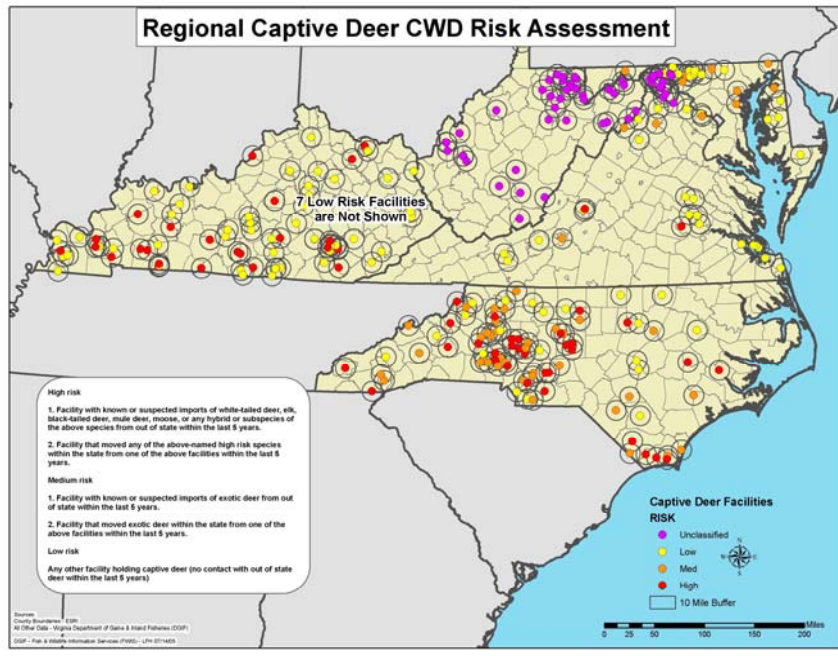


Timko July 08

Maryland Captive Cervid Locations

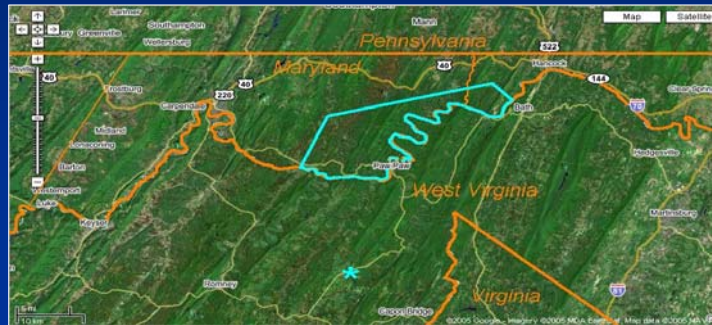


Regional Captive Deer CWD Risk Assessment



MD CWD Response - Special Sampling 2006

- Samples taken in Allegany County, adjacent to +CWD case in Slanesville, W.Va
- Within 10 mile radius of first W.Va. +CWD case
- Consisted of 120 samples taken from various sources:
 - DMP (crop damage) kills from local farmers
 - Road kills from MD State Highway Administration
 - Hunter kills from cooperative meat processors



Maryland CWD TESTING RESULTS

Since 2002 - 2007

- Over 4600 samples collected by
 - MD DNR staff
 - MDA, volunteer veterinarians and biologists
- Samples taken from all 23 counties in MD
 - State, federal and private hunts
 - Targeted sampling – from sick deer
 - Special road-kill surveillance near WV border
- No CWD detected

Sampling Year	Samples Tested	Alleg. Co. Samples Tested	Captive Cervids Tested (WTD)
2002	304	50	0
2003	542	50	0
2004	872	50	19 (0)
2005 (CWD detected in WV)*	999	125*	32 (7)
2006	982	120	6 (6)
2007	983	105	0
Total	4,682		



Chronic Wasting Disease Preparation & Response Efforts In Maryland

MD DNR Actions – Phase 2 (positive detected)

- Increase sampling intensity in focused area
- Including active sampling (sharp shooting) in the target area; *disposal options*
- Increase public outreach
- Re-evaluate hunting seasons/ bag limits and captive cervid regulations
- Continue to revise and edit plans



Chronic Wasting Disease Preparation & Response Efforts In Maryland

**January 2008
Catoctin Mountain Park**



Chronic Wasting Disease Preparation & Response Efforts In Maryland

2008 Event – Who - What - When - Where

- Who: National Park Service staff biologists found sick deer
- What: Sick - 6 month old male fawn
- When:
 - December 14, 2007 - 6 mo. Old fawn euthanized, samples collected
 - January 3, 2008 - MD DNR notified of "inconclusive – weak positive"
 - January 17, 2008 - MD DNR notified of USDA NVSL determination "negative"
- Where: Catoctin Mountain Park (CMP), Frederick County



Chronic Wasting Disease Preparation & Response Efforts In Maryland

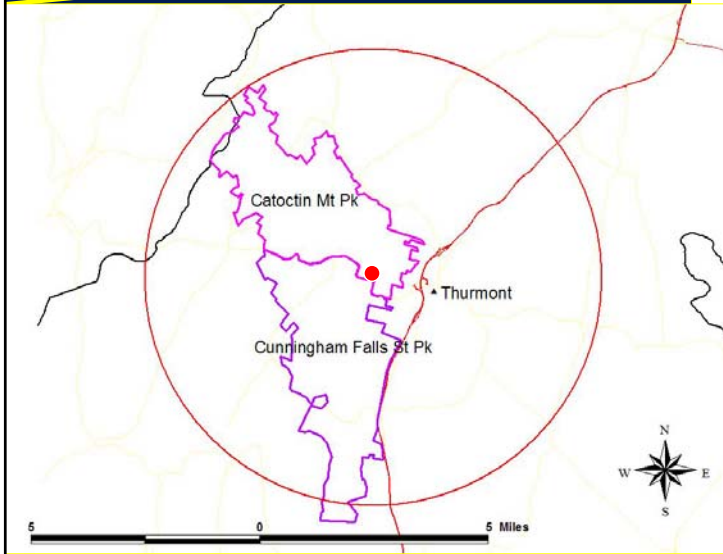
2008 Event – Response Actions

January 3, 2008 – January 17, 2008

- First notified of “inconclusive” result status 1 / 3 / 08
- Key staff met and identified immediate actions
 - Developed working relationship with NPS
 - Prioritized and shipped 2007-8 MD surveillance samples
 - Identified local weekend (1/6 -1/7) hunt – sampled
 - Began road-kill surveillance around CMP – sampled
 - Reviewed / edited CWD Action Plan
 - Assessed availability of crucial equipment and supplies
 - Began identification of landowners near CMP
 - Developed landowner release form
 - Developed press release & revised outreach materials
- January 17, 2008 – notified by NPS of “negative”



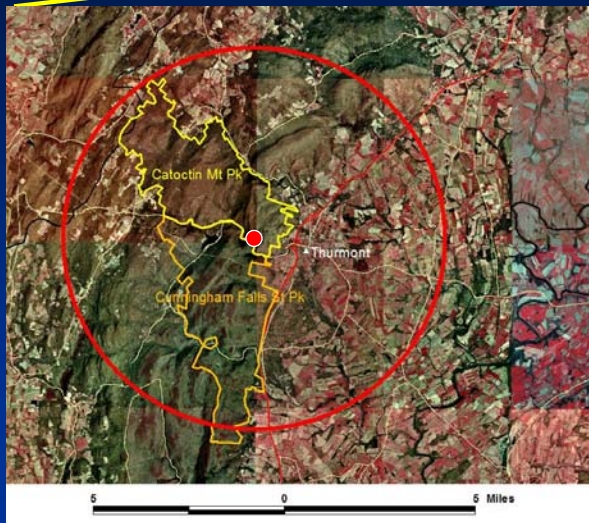
CMP/ NPS - Frederick County



● = location of presumptive positive fawn

Maps: MD DNR

CMP / NPS - Frederick County



● = location of presumptive positive fawn
Close to *Camp David*

Maps: MD DNR



Chronic Wasting Disease Preparation & Response Efforts In Maryland

Response - in Action

2008 sampling [Response to CMP event]

- 32 MD DNR samples collected Jan. 5-6, 2008
- Shipped to diagnostic lab - all negative
- 7 CMP /NPS # samples: all negative
- Conducted road-kill surveillance
- Fall 2008 – surveillance plan in revision



Chronic Wasting Disease Preparation & Response Efforts In Maryland

Lessons Learned

2008 CMP/ NPS event

- Adjust plans as needed
- Keep plans dynamic and in “draft”
- Work closely with all partners
 - Adjoining states
 - Federal agencies / parks



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Questions?

