

Time... and CWD... Marches On

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Acknowledgements:
Hundreds of F&W temporary and permanent staff
Thousands of landowners and hunters across the province

Status in Alberta Aug 14, 2012

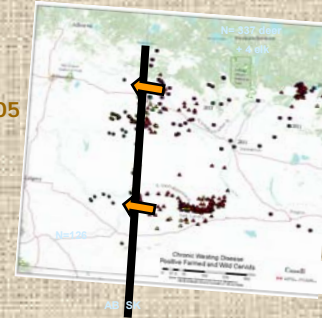
General Overview

Over 48,000 wild deer tested since 1998

CWD detected in Alberta in 2005

Spillover from Saskatchewan

Relatively recent arrival in AB



Disease occurrence: deer species

Hunter kills (2010 surveillance data)

MD 3211 tested, 17 infected 0.53%

WTD 1781 tested, 2 infected 0.11%

Hunter kills (2011 surveillance data)

MD 1995 tested, 30 infected 1.50%

WTD 1172 tested, 3 infected 0.26%

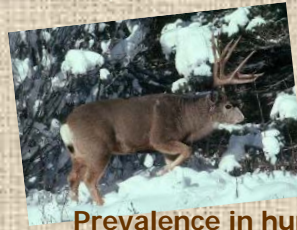
Disease control data (2005-2008, incl)

MD 3663 tested, 41 infected 1.12%

WTD 3928 tested, 4 infected 0.10%

127 AB cases
115 MD: 12 WTD
42 ♀♀: 85 ♂♂

Preponderance of cases in mule deer & males



Prevalence in hunter surveillance

Disease control applied

0.14% in 2006 (n=2965)

0.14% in 2007 (n=5170)

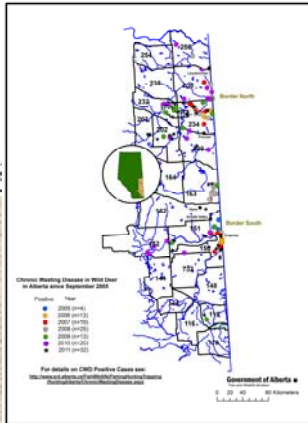
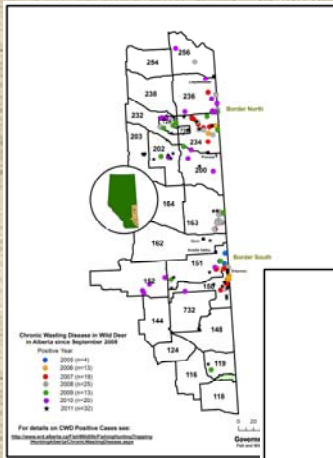
0.16% in 2008 (n= 4347)

No disease control

0.25% in 2009 (n= 4817)

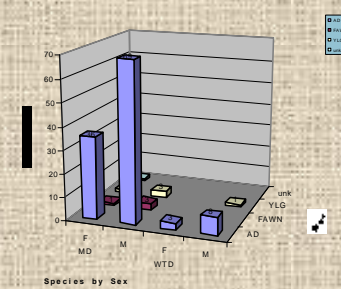
0.39% in 2010 (n= 5144)

1.03% in 2011 (n=3194)



Primarily in mule deer

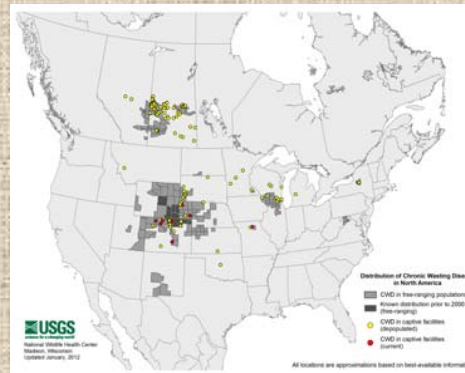
Chronic Wasting Disease in Wild Deer in Alberta



WMU	#cases
234	24
150	22
163	16
151	15
236	13
728	9
202	8
200	5
152	4
203	3
119	2
256	2
162	1
164	1
232	1
730	1

Prevalence stable during disease control.
Prevalence increasing since control discontinued

CWD in North America Jan 2012



Conclusions

CWD continues to establish a population in eastern Alberta

CWD in two watersheds: Battle River & Red Deer/South Saskatchewan rivers

Mule deer drew the short straw when it comes to CWD!

No natural barriers to further spread

Changes in prevalence & geographic distribution accelerated since targeted control programs were discontinued

Hunter harvest is not stopping an increase in prevalence or a spread in geographic distribution

With current management approach, CWD will continue to expand numerically and geographically in Alberta

