



Chronic Wasting Disease Surveillance and Data

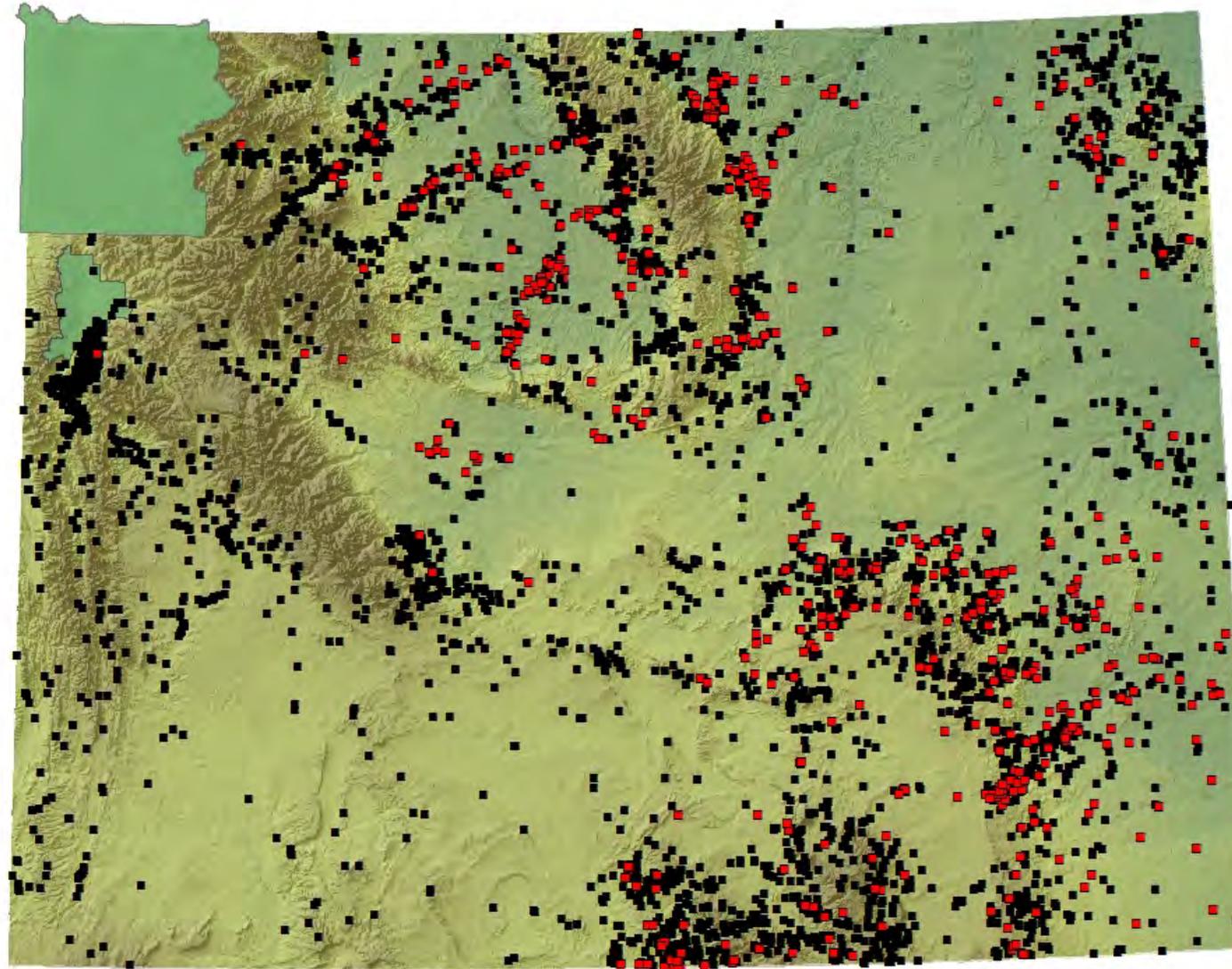
Hank Edwards – Wyoming Game and Fish Wildlife Health Laboratory



Requests from the Committee

- Distribution of CWD positive deer/elk within the State
 - Sampling distribution within hunt areas/herd units
 - Prevalence map showing 5% and 10% prevalence
 - Examples of current CWD data
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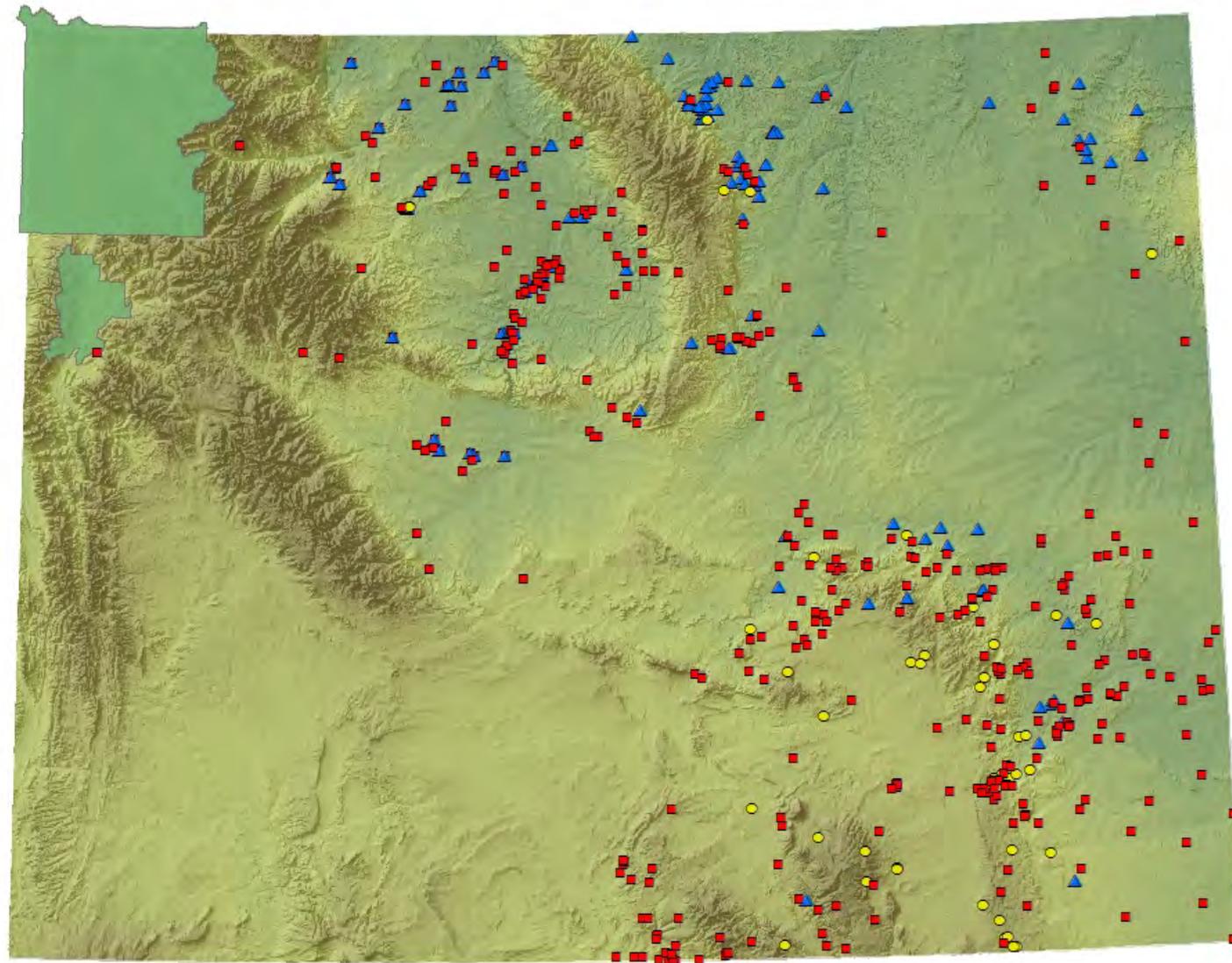
2018 Wyoming CWD Surveillance: Deer, Elk, Moose



Wyoming Game and Fish Department
Wildlife Health Laboratory

- Positive for CWD
- Negative for CWD

2018 Wyoming CWD Surveillance: All Species - Positive



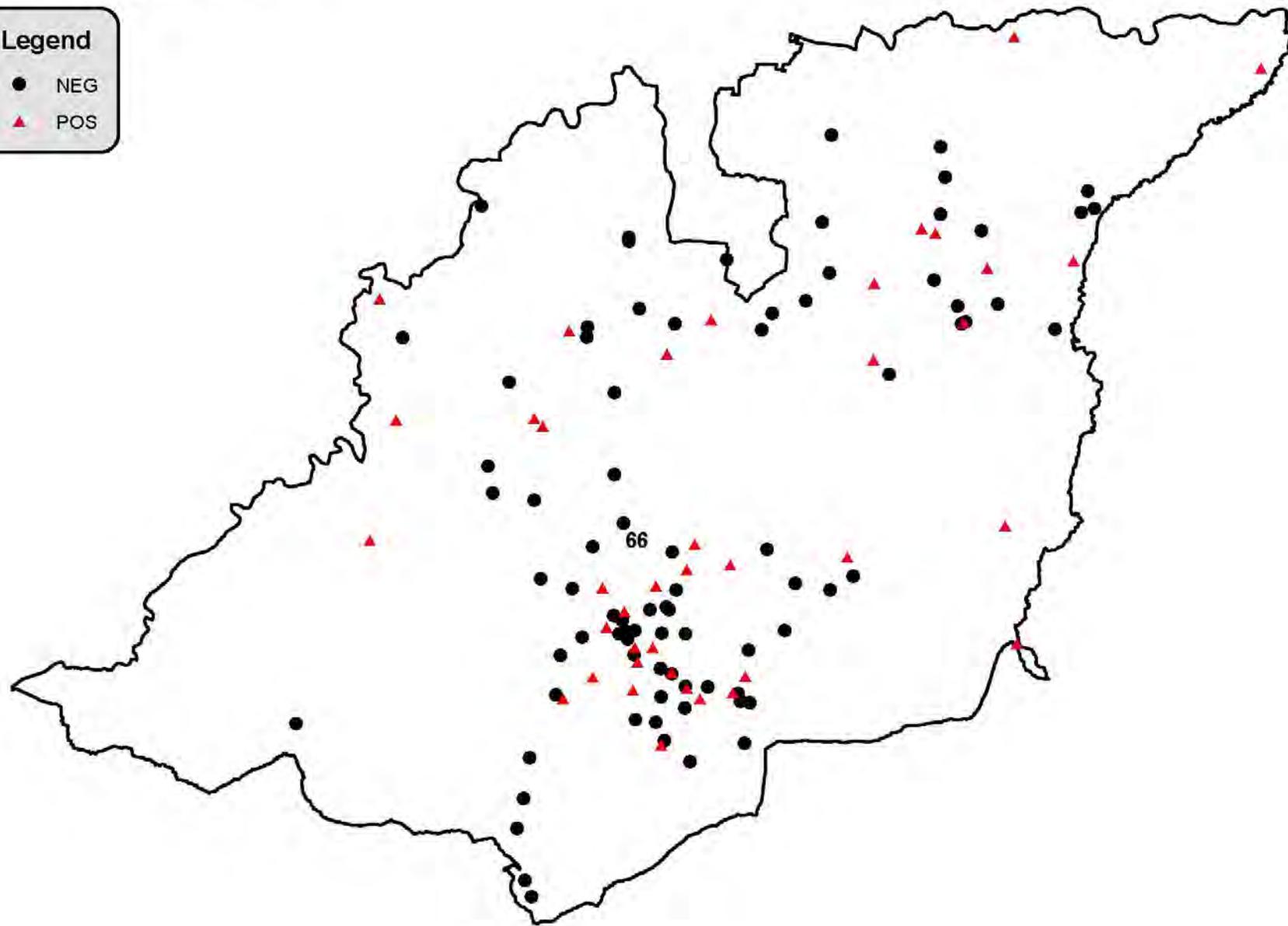
Wyoming Game and Fish Department
Wildlife Health Laboratory

- Positive Elk
- Positive Mule Deer
- ▲ Positive White-tailed Deer

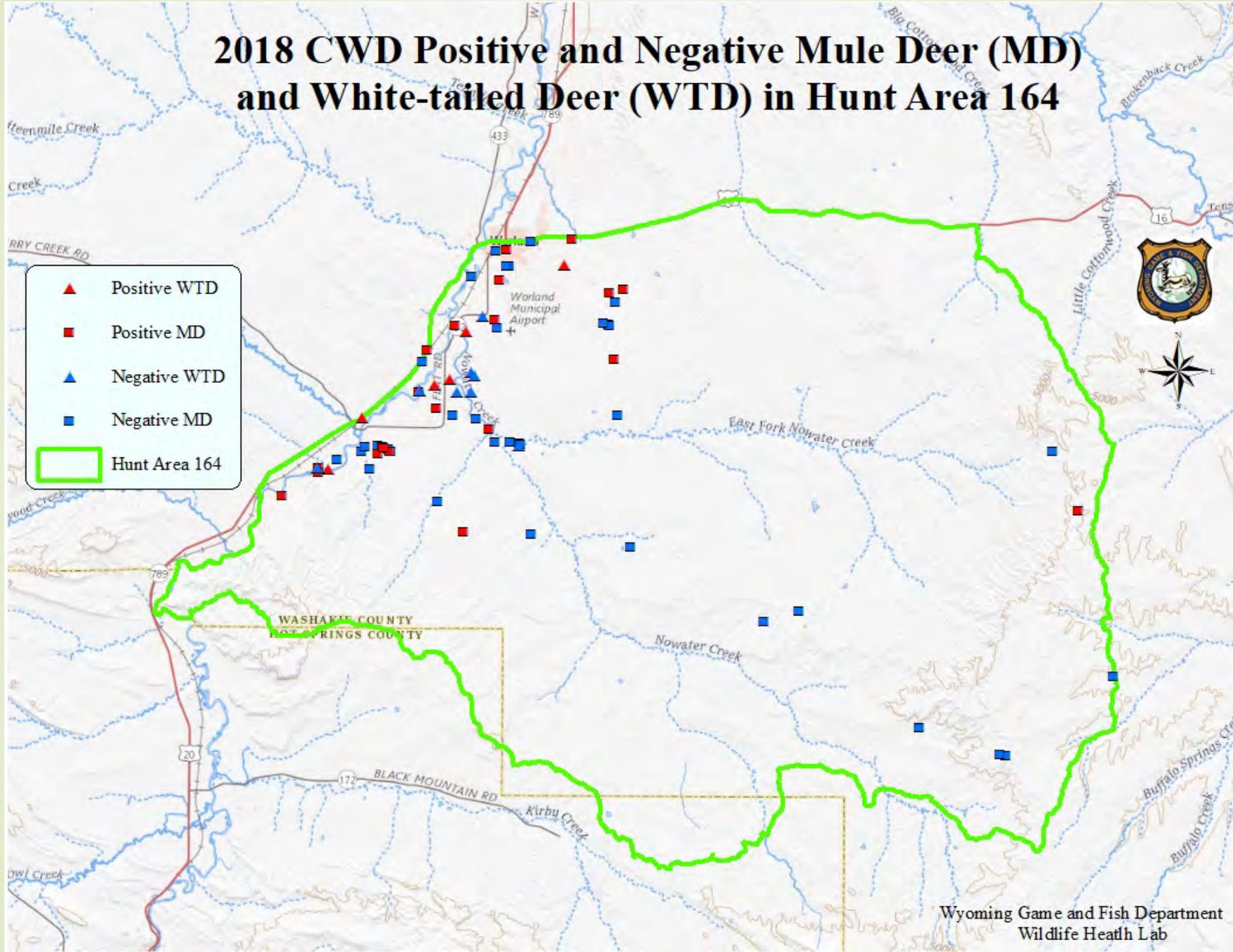
Mule Deer 2017 Locations

Legend

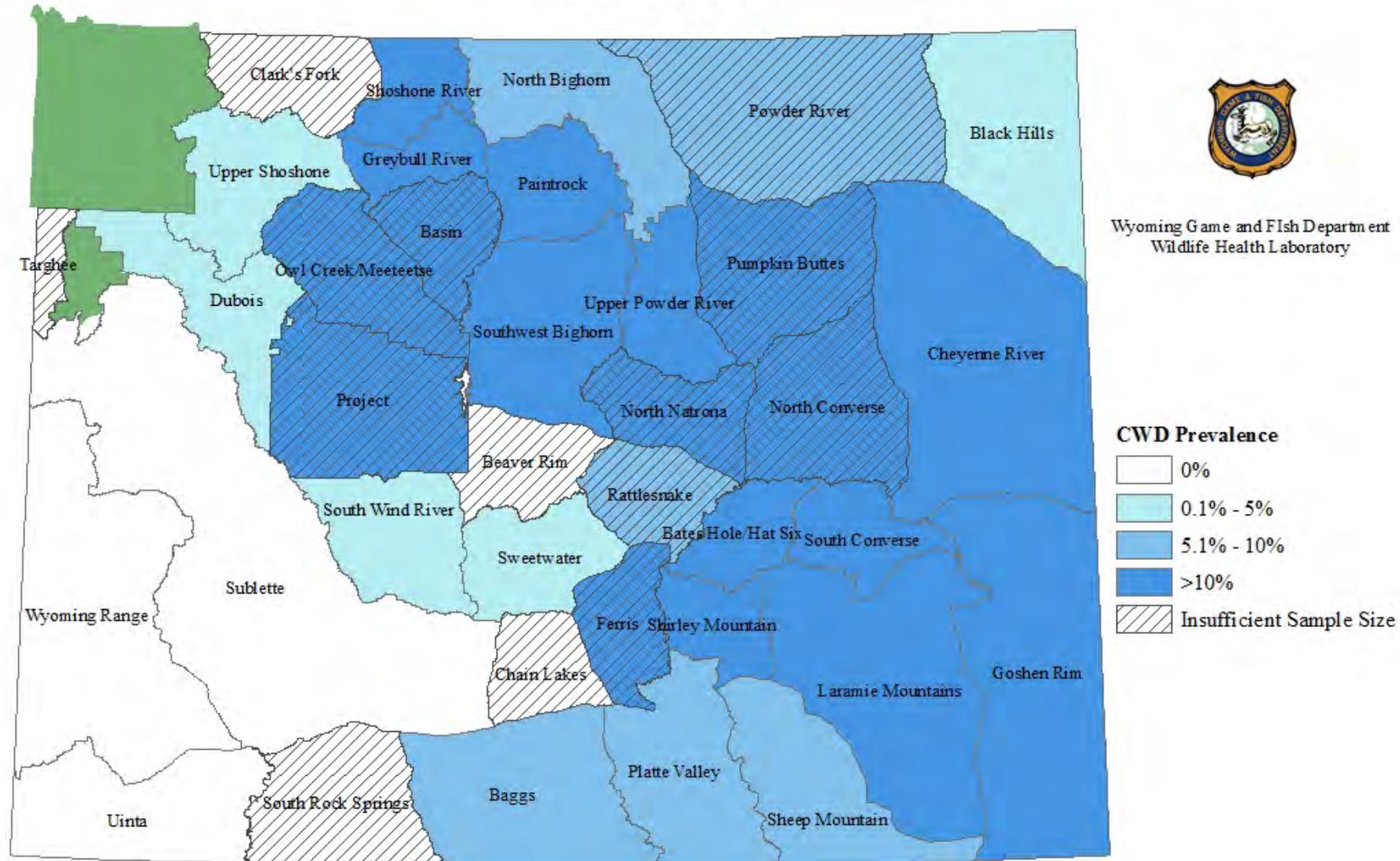
- NEG
- ▲ POS



2018 CWD Positive and Negative Mule Deer (MD) and White-tailed Deer (WTD) in Hunt Area 164

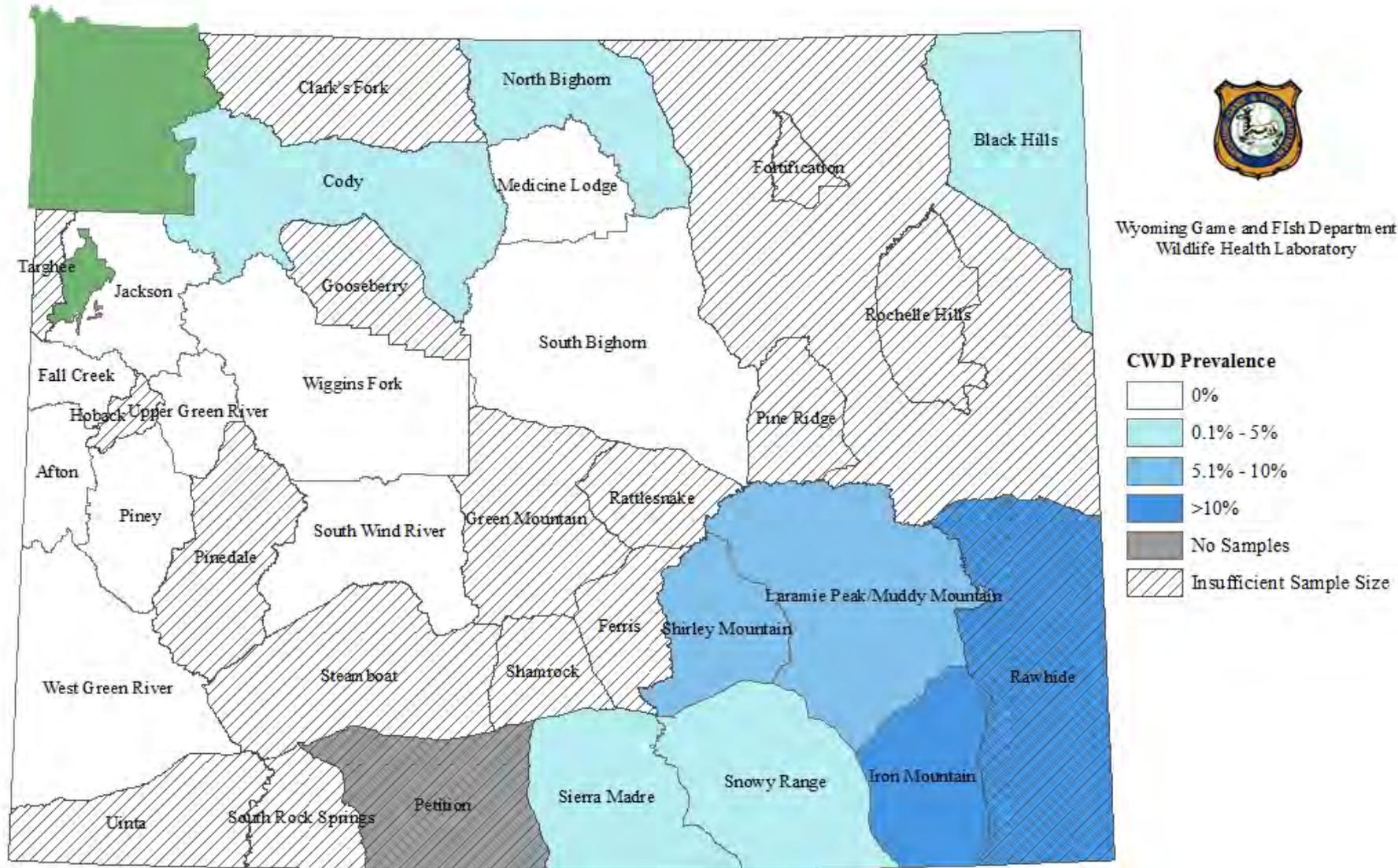


Chronic Wasting Disease (CWD) Prevalence in Hunter Harvested Adult Buck Mule Deer by Herd Unit 2014-2018



* Chronic wasting disease prevalence and distribution is likely under represented or over represented due to small sample size in many areas

Chronic Wasting Disease (CWD) Prevalence in Hunter Harvested Adult Elk by Herd Unit 2014-2018



* Chronic wasting disease prevalence and distribution is likely under represented or over represented due to small sample size in many areas

Mule Deer	1997-2013 Total Samples				2014-18 Total Samples				2014-18 95% Confidence	
Herd Unit	Age/Sex/Species	Tested	# Pos	Prev	Age/Sex/Species	Tested	# Pos	Prev	Lower	Upper
North Bighorn	MD - All ages/both sexes				Ad M MD	233	20	8.6%	4.9%	12.9%
					Yrlg M MD	38	0	0.0%	0.0%	9.3%
					Ad F MD	77	2	2.6%	0.3%	9.1%
					Total	348	22	6.3%	3.8%	9.4%
Goshen Rim	MD - All ages/both sexes				Ad M MD	200	78	39.0%	22.5%	46.1%
					Yrlg M MD	34	3	8.8%	1.7%	23.7%
					Ad F MD	26	7	26.9%	8.8%	47.8%
					Total	260	88	33.8%	20.6%	39.9%
Baggs	MD - All ages/both sexes				Ad M MD	444	36	8.1%	5.3%	11.0%
					Yrlg M MD	58	2	3.4%	0.4%	11.9%
					Ad F MD	50	0	0.0%	0.0%	7.1%
					Total	552	38	6.9%	4.6%	9.3%
Bighorn Basin	WTD - All ages/both sexes				Ad M WTD	239	42	17.6%	10.9%	23.0%
					Ad F WTD	89	5	5.6%	1.7%	12.6%
					Total	328	47	14.3%	9.3%	18.6%
Sierra Madre	Elk - All ages/both sexes	753	1	0.1%	Ad Elk/both sexes	165	1	0.6%	0.0%	3.3%
Iron Mtn	Elk - All ages/both sexes	619	47	7.6%	Ad Elk/both sexes	220	29	13.2%	7.9%	18.4%
Lara Peak/Mud	Elk - All ages/both sexes	1490	70	4.7%	Ad Elk/both sexes	604	41	6.8%	4.6%	9.1%
Jackson	Elk - All ages/both sexes	2647	0	0.0%	Ad Elk/both sexes	1468	0	0.0%	0.0%	0.3%

Questions

