



Chronic Wasting Disease Update on Surveillance Actions

September 2022



Chronic Wasting Disease

- Transmissible spongiform encephalopathy (TSE) of deer, elk & moose characterized by progressive weight loss and eventual death
- Prion diseases in other species

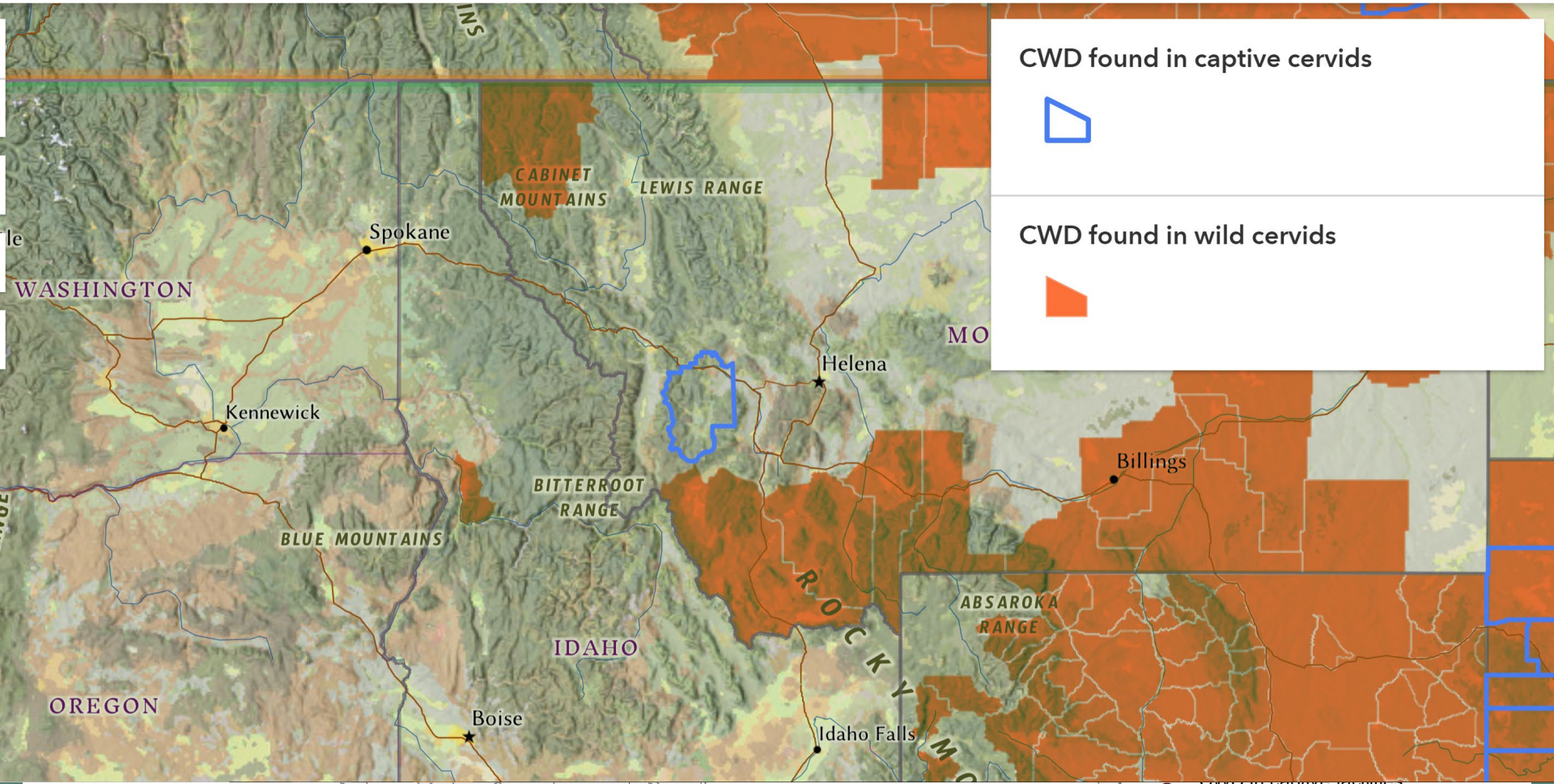


Photo by Beth Williams

History

- Identified in a mule deer in a research facility Colorado – 1967 (or earlier)
- Found at a WY G&F research facility – 1978
- First identified in a free-ranging elk in 1981





CWD found in captive cervids



CWD found in wild cervids



Transmission

- Prion shed in saliva, feces, urine
- Transmission nose to nose; in-utero
- Environmental contamination
Lasts decades in soil and plants can uptake



Positive animals may look sick or healthy

- Behavioral changes
- Lowered ears, drooping head, “blank” expression
- Respiratory distress
- “Chronic wasting” condition – skin and bones



The Important Facts

- 100 % Fatal
- No Treatment
- No Vaccine
- No Cure
- Most infectious of all prion diseases
- Environmental contamination decades or longer



CWD Regulatory Tools

Oregon Revised Statutes

- Roadkill salvage – January 2019
- Cervid urine product ban - January 2020
- Mandatory hunter stops at check stations - January 2022



Oregon Administrative Rules

- Import cervid parts ban – 2002
- Farmed cervid sampling and transport – 2009

Surveillance Strategy

- Hunter and Agency
- Roadkill Salvage and Sampling



Oregon Chronic Wasting Disease Management Plan: Surveillance, Response, Communications

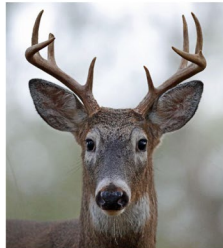


Image taken by Keith Kohi, ODFW



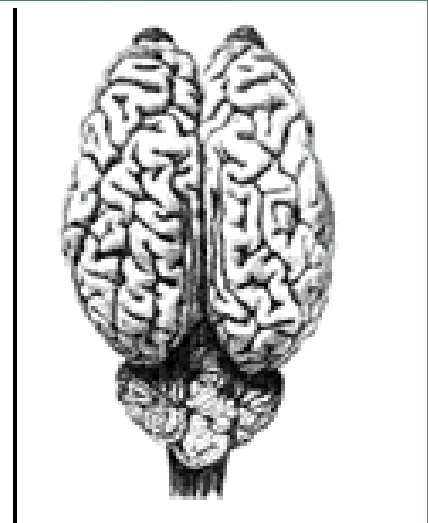
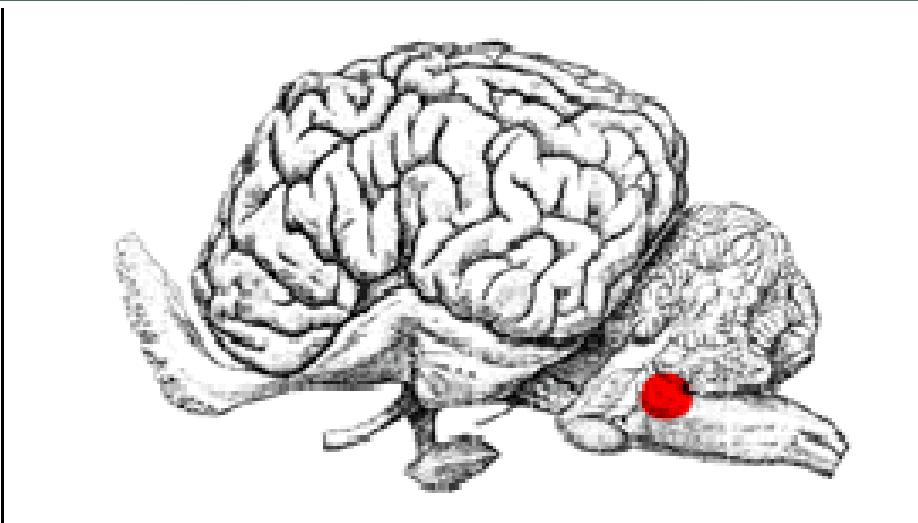
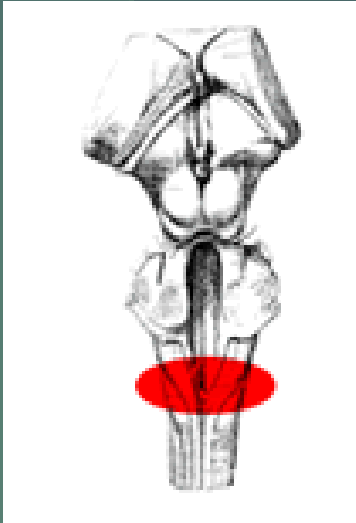
Surveillance Priorities

- More disease in free-ranging deer than elk
- Adult male deer
- Vehicle struck animals
- Animals close to border of a positive state



“Gold standard” tissue is the obex

- Requires a Deceased Animal



Other Useful Tissues

- Retropharyngeal lymph nodes are the first detectable locations for routine testing efforts in deer



Harvest Sampling Scheme

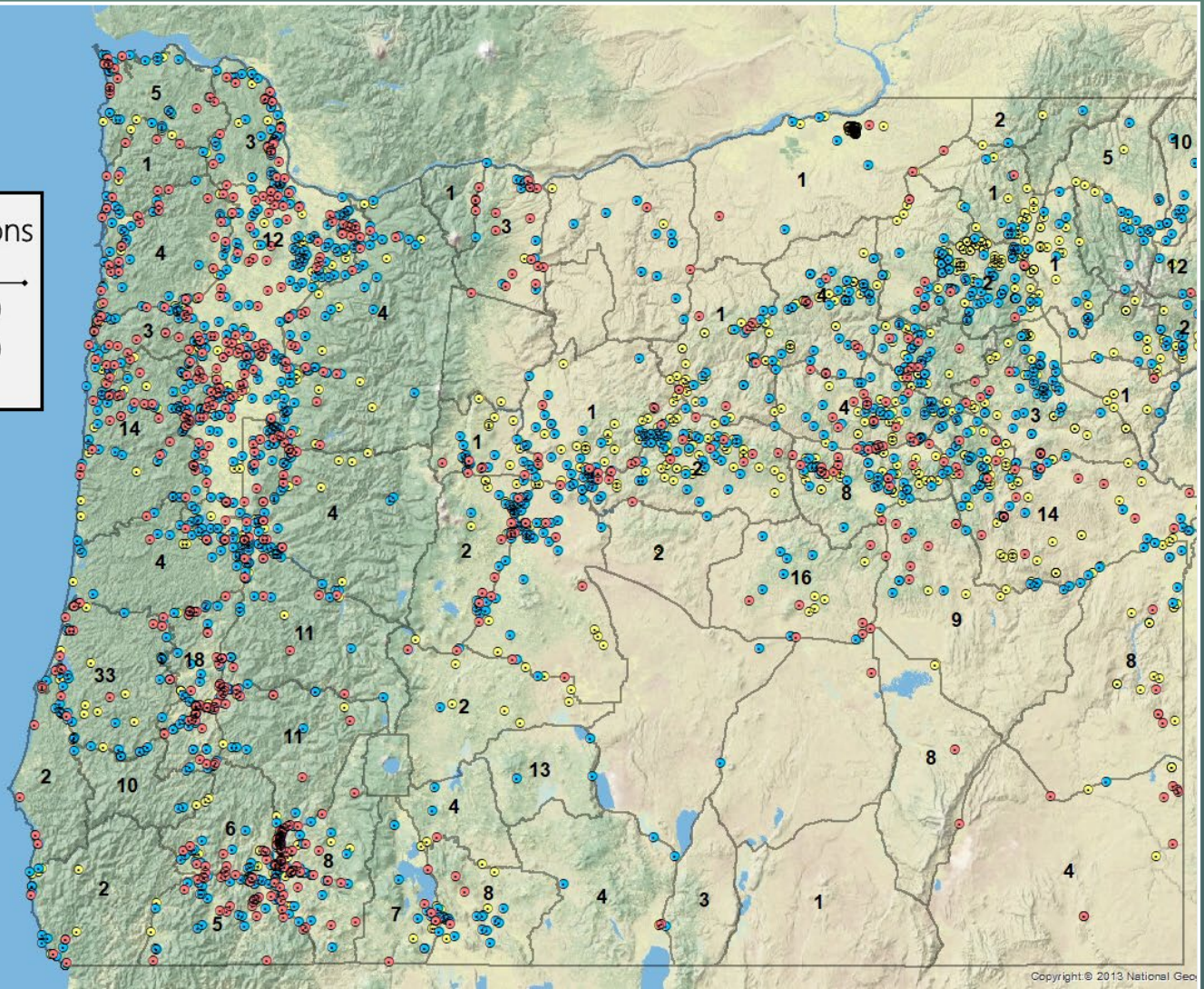
- Sample as many deer and elk as possible
- Adults ≥ 2 years old
- Male deer
- All adult elk



CWD Sample Locations 7/1/2018 – 6/30/2021

- = 2018 (n = 1002)
- = 2019 (n = 1385)
- = 2020 (n = 711)

= Samples submitted with incomplete location data



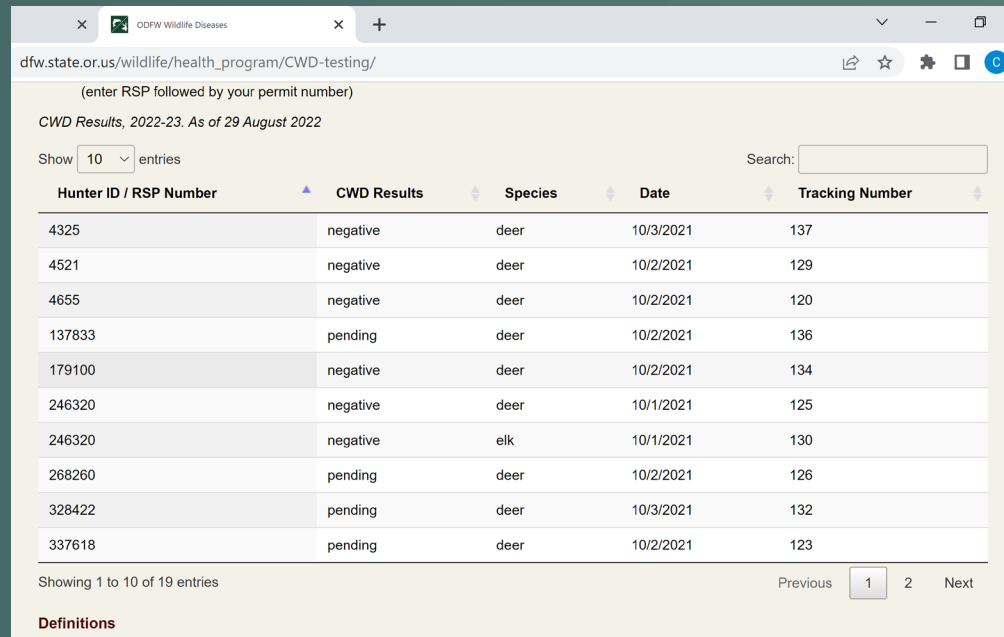
Copyright © 2013 National Geo

Surveillance Sampling



Increase testing and reporting efficiency

- Hunter sample collection and Web-based reporting system
- OSU Veterinary Diagnostic Lab



The screenshot shows a web browser window with the URL `dfw.state.or.us/wildlife/health_program/CWD-testing/`. The page title is "CWD Results, 2022-23. As of 29 August 2022". Below the title, there is a search bar and a "Show 10 entries" dropdown menu. The main content is a table with the following columns: Hunter ID / RSP Number, CWD Results, Species, Date, and Tracking Number. The table contains 19 rows of data. At the bottom of the table, there is a "Showing 1 to 10 of 19 entries" message and a pagination control with "Previous", "1", "2", and "Next" buttons. A "Definitions" link is located at the bottom left of the page.

Hunter ID / RSP Number	CWD Results	Species	Date	Tracking Number
4325	negative	deer	10/3/2021	137
4521	negative	deer	10/2/2021	129
4655	negative	deer	10/2/2021	120
137833	pending	deer	10/2/2021	136
179100	negative	deer	10/2/2021	134
246320	negative	deer	10/1/2021	125
246320	negative	elk	10/1/2021	130
268260	pending	deer	10/2/2021	126
328422	pending	deer	10/3/2021	132
337618	pending	deer	10/2/2021	123

Expanded Sampling

- District coordination with meat processors and taxidermists (\$10/sample)
- Check stations statewide



CWD Public Information Plan

- Talking Points
- Media Messages and Outreach
- Website Messaging
- Stakeholder Presentations



Statewide
Chronic wasting disease in Oregon
What hunters should know
January 3, 2022

BE ON THE LOOKOUT FOR CWD

HUNTERS:

- Stop at mandatory check stations to provide sample if you get a deer or elk.
- Follow regs: Do not bring back certain parts (brain, spinal column) if hunting out of state, no possession/use of commercial scent lures.

ROADKILL SALVAGERS:

- Turn in deer/elk heads within 5 days per regs.

EVERYONE:

- Report sick animals (wasting, drooling, loss of balance) to ODFW at 866-968-2600.



More info at [MyODFW.com/CWD](https://myodfw.com/CWD)



Funding 2022-2023

- Current Pitman-Robertson Grant - \$100,000
Sample testing and Health Lab staff time
- USDA Research Grant - \$125,000
Evaluating the genetic susceptibility of Oregon cervids to chronic wasting disease
- USDA Management Grant - \$247,000
Increases staff, sampling, OSU diagnostic equipment, outreach and education

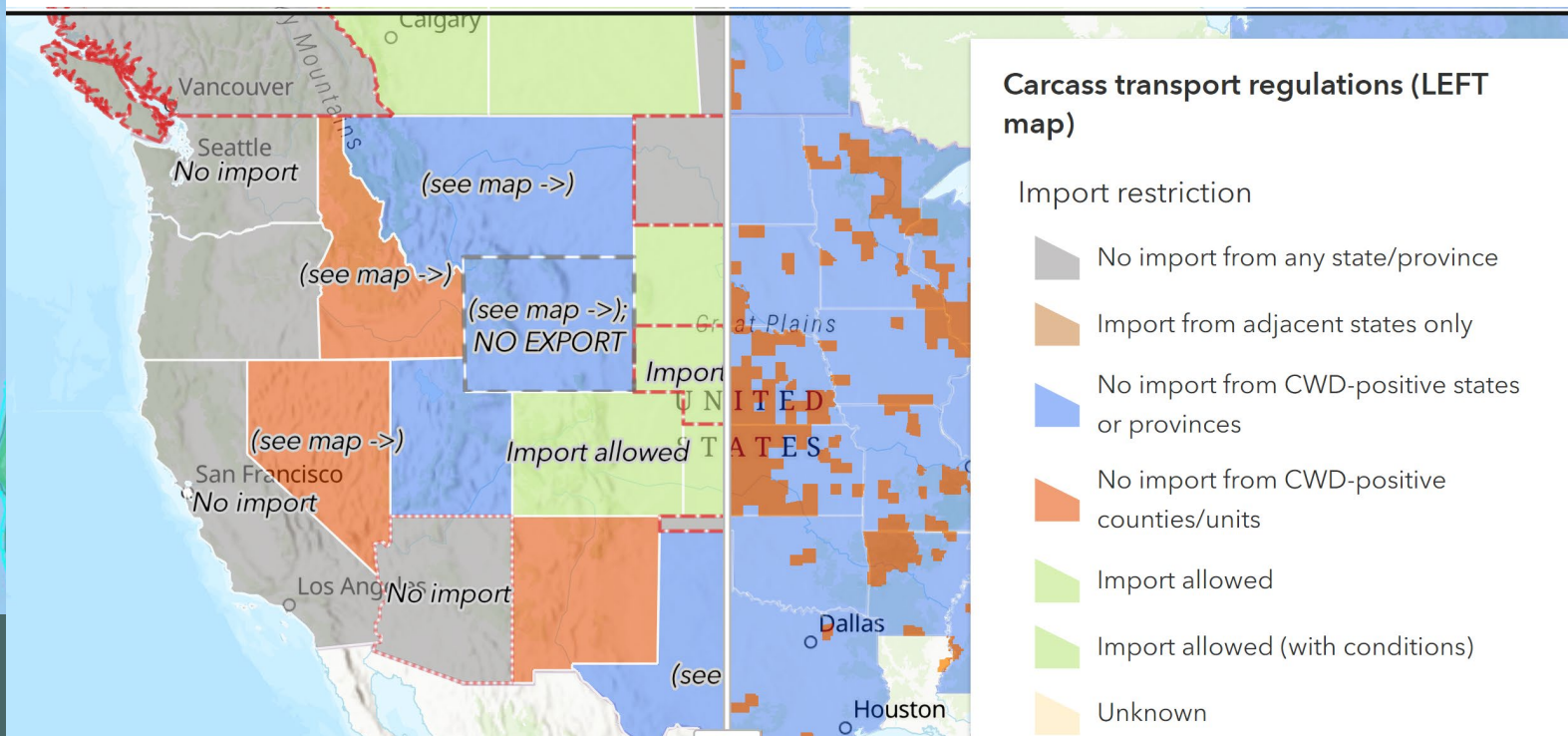
CWD— INFO.ORG

- [CWD in North America](#)
- [CWD-Related Hunting Regulations](#)
- [Carcass Transport Regulations](#)
- [Wildlife Agency Dashboard](#)

State and Province Carcass Import Regulations

LEFT: Transport regulations

RIGHT: Considered CWD-positive



Questions

