

CWD IMPACT ASSESSMENT FOR MEGAFUNA WILDLIFE IN AMERICA'S NATIONAL PARKS AND ROCKY MOUNTAIN WEST

Baseline Information. Dr. Frank Bastian has made a paradigm-shifting medical discovery -- scientifically proving that a previously unknown bacteria in the genus Spiroplasma is the real cause of chronic wasting disease (CWD) in deer, scrapie disease in sheep and goats, Creutzfeldt-Jakob Disease (CJD) in humans, and an estimated 100,000 Alzheimer's Disease cases per year. Clinical examination during necropsy indicates that Mad Cow disease in bovines and TSEs in cats, camels, mink, antelope, and other animals are also caused by this novel spiroplasma bacterium. The nonprofit Terra Cor Institution has created Bastian Laboratory for Neurological Disease Research and assembled a blue-ribbon team of nationally recognized medical experts from Tulane University, Louisiana State University, and the University of New Orleans to develop diagnostic tests and vaccines within 8-24 months toward controlling CWD and protecting human health.

This North American CWD and Human Health Project likely represents the last stand in saving cervids and other large mammals and preserving natural ecosystems. The pending loss of megafauna (large animals in excess of 100 pounds) represents possibly the largest short-term collapse of major mammal populations in North America since the Great Pleistocene Die-Off that occurred about 8,000 to 10,000 years ago. **Whereas the late Pleistocene die-off occurred over a few-thousand-year period, today's pending loss will likely occur within the next few decades if our NACWD Project is not adequately funded in the near term.**

I. Extinction of North American Megafauna During the Late Pleistocene Era (8,000-10,000 Years Ago).

- Woolly Mammoth
- Saber-Toothed Cat
- Dire Wolf
- American Mountain Deer
- American Camel
- Harlan's Muskox
- Pygmy Mammoth
- North American Jaguar
- Giant Short-Faced Bear
- Steppe Bison
- Western Horse
- Giant Ground Sloth
- American Mastodon
- American Lion
- Florida Spectacled Bear
- Antique Bison
- North American Llama
- Giant Armadillo

II. Predicted Near-Term Collapse of North American Megafauna Due to CWD-Causing Bacteria.

A. Loss of Cervids due to Chronic Wasting Disease (CWD) – Caused by Spiroplasma sp. Bacteria

- White-Tailed Deer
- Mule Deer
- Moose
- Elk
- Caribou
- Reindeer (on which Alaska's Native People rely)

B. Loss of Sheep and Goats due to Scrapie Disease – Caused by Spiroplasma sp. Bacteria

- Rocky Mountain Bighorn Sheep
- Dall Sheep
- Mountain Goat
- Desert Bighorn

C. Loss of Bovines and Antelope due to Mad Cow Disease (BSE) – Caused by Spiroplasma sp. Bacteria

- American Bison
- Pronghorn

D. Loss of Cats to Feline Spongiform Encephalopathy (FSE) – Caused by Spiroplasma sp. Bacteria

- Cougar
- Bobcat
- Canada Lynx
- Domestic Cat