



Global Wildlife Disease News Map

Putting wildlife health news on the map!

Megan K. Hines

National Biological Information Infrastructure

Wildlife Disease Information Node

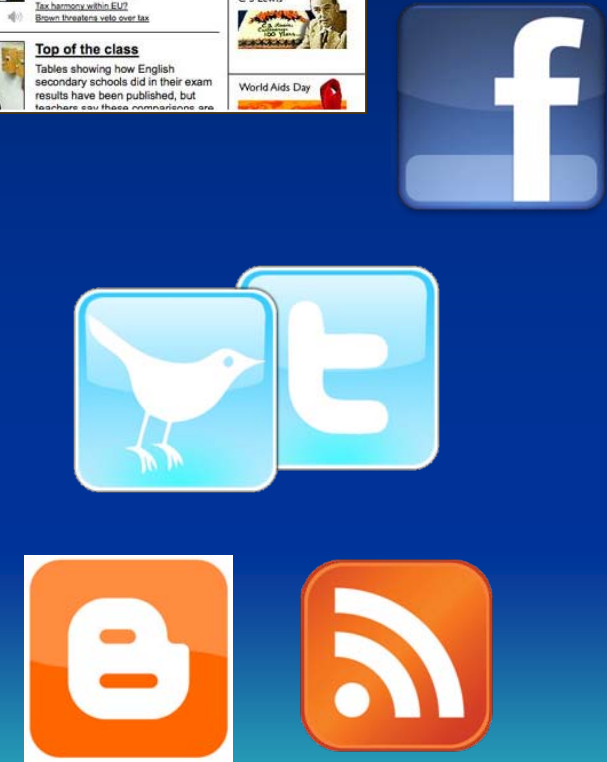
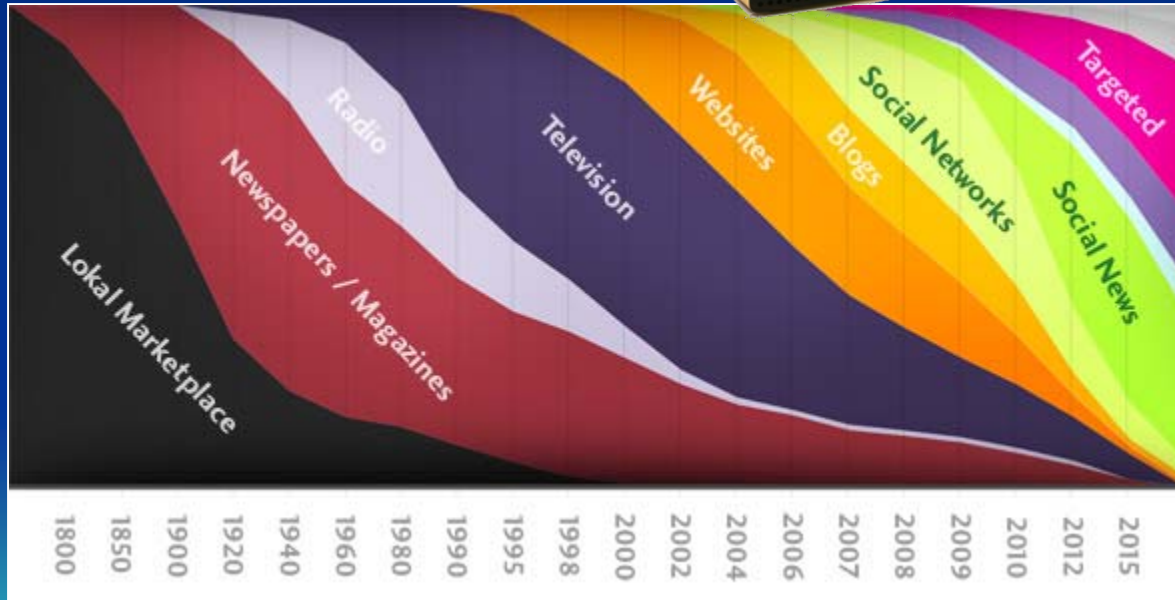
USGS
National Wildlife Health Center



University of Wisconsin - Madison
Nelson Institute for Environmental Studies



Problem



Thomas Baekdal: <http://www.baekdal.com/articles/management/market-of-information/>

Aggregate information source feeds

...

Science Daily

Scientific American

Specific Google Alerts

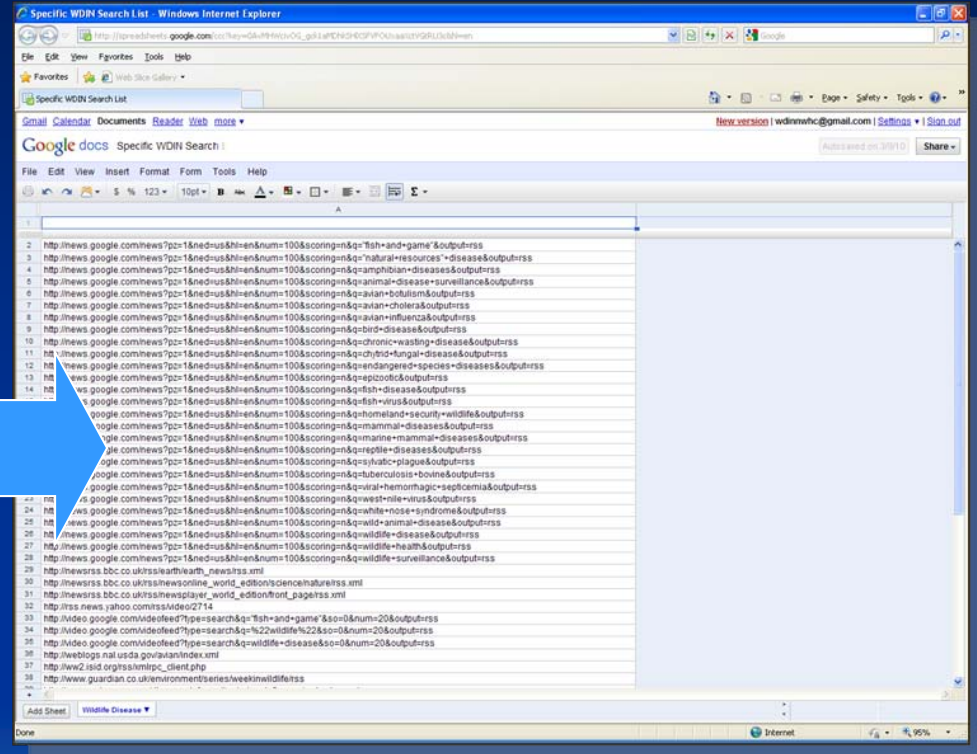
EurekAlerts

Nature

NPR

The Guardian

...



WDIN General News Search

Layout Expand All Collapse All Back to

Sources

- Fetch CSV
- Feed Auto-Discovery
- Fetch Feed
- Fetch Data
- Fetch Page
- Fetch Site Feed
- Flickr
- Google Base
- Item Builder
- RSS Item Builder
- Yahoo! Local
- YQL
- Yahoo! Search

User inputs

Operators

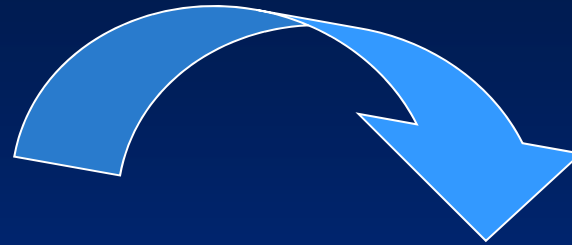
- Url
- String
- Date
- Location
- Number
- Favorites
- My pipes
- Deprecated

Filter

Permit items that match any of the following

Rules

- item.description Contains avian influenza
- item.description Contains brucellosis
- item.description Contains white nose syndrome
- item.description Contains bird flu
- item.description Contains chytid
- item.description Contains wild animal
- item.description Contains fish disease
- item.description Contains deer disease
- item.description Contains coral
- item.description Contains wildlife disease
- item.description Contains bovine tuberculosis
- item.description Contains nwhc
- item.description Contains wildlife health
- item.description Contains usgs
- item.description Contains aphis



WDIN Filtered News Search Output

Layout Expand All Collapse All

Sources

- Fetch CSV
- Feed Auto-Discovery
- Fetch Feed
- Fetch Data
- Fetch Page
- Fetch Site Feed
- Flickr
- Google Base
- Item Builder
- RSS Item Builder
- Yahoo! Local
- YQL
- Yahoo! Search

User inputs

Operators

- Url
- String
- Date
- Location
- Number
- Favorites
- My pipes
- Deprecated

Union

Filter

Block items that match all of the following

Rules

- item.y.published.uptime is less than datetime.uptime

Unique

Filter non-unique items based on item.y.title

Sort

Sort by

- item.y.published.uptime in descending order

Pipe Output

datetime (date/time)

Name: datetime1

Prompt: datetime1

Position: number

Default: 4 days ago

Debug: 4 days ago

Filter by keyword,
Remove duplicates

~1200 items filtered
to ~300

News selection policy



Wildlife Disease News Digest

The NBI Wildlife Disease Information Node develops tools and services that help members of the wildlife health community, and others interested in wildlife health issues, manage the influx of wildlife disease information. The Wildlife Disease News Digest is one of those services, filtering authoritative news sources to bring our readers a concise overview of the day's latest wildlife health developments.

Below is an outline of the selection criteria used to compile the Digest. We are not a political or advocacy organization, and as such we avoid content that lacks supportive facts or content that is designed to be inflammatory.

Selection Criteria for Content

Top News Stories Include:

- ◆ Wildlife disease/Wildlife health incidents
 - ° Wildlife management (control and prevention)
 - ° Surveillance
 - ° Disease detection and diagnosis
 - ° Use of technology to improve disease detection and management (GIS technology or data sharing information systems)
 - ° How wildlife diseases are integral to larger context
 - ° Mortality Events
- ◆ Zoonoses – the human health connection
- ◆ Connection between domestic animals and wildlife health
- ◆ Selected specific diseases – includes any relevant, newly emerging disease that becomes a significant concern
- ◆ Current wildlife disease research within community
- ◆ New facilities, organizations, funding dedicated to wildlife health research
- ◆ Events and meetings important to wildlife community – as a member of and forwarding this information to the digest
- ◆ Wildlife disease/health legislation
- ◆ Breeding programs to save species from extinction due to disease
- ◆ WDIN highlights
- ◆ Global warming in direct relation to wildlife disease
- ◆ Human activity in direct relation to wildlife health/disease
- ◆ Bushmeat and disease event/potential
- ◆ Invasive Species in direct relation to wildlife disease/trauma

Other Wildlife Health Related News Stories Include:

- ◆ Ecosystem health
- ◆ Bioterrorism
- ◆ Controversial content
- ◆ Ongoing coverage of disease issue including scientific/political dialog (not new incident)
- ◆ Global warming indirectly related to wildlife health
- ◆ Domestic animal disease that affects wildlife but main focus is on domestic stock
- ◆ Zoo animal disease
- ◆ Wildlife crime (poaching, illegal trade)
- ◆ Environmental threats to wildlife health
- ◆ Wildlife photos, video and audio (general)
- ◆ Legislation/funding that indirectly affects wildlife health
- ◆ Interesting articles of note about wildlife research or discoveries

Publication Articles

- ◆ Typically, similar criteria as the Top News Stories
- ◆ Scientific Research from peer-reviewed academic journals
- ◆ Newsletters/news bulletins/updates that discuss wildlife disease issues

News Map

- ◆ News Stories from above that meet the criteria of "wildlife health incident" – disease spread or detection (e.g. "Bird tests positive for West Nile virus in St. Clair County; first of this year")

Source Selection - Sources used include:

Primary Sources (preferred)

- ◆ Online News (professional sources)
- ◆ Academic (.edu)
- ◆ Government (.gov)
- ◆ Professional organizations (.org)
- ◆ Consortia/ Non-Profit

Secondary Sources(non-preferred)

- ◆ Trade/Commercial
- ◆ Non-profit organizations with political agendas

Excluded Sources

- ◆ Editorial or Opinion pieces
- ◆ Advocacy publications

Catalog metadata

Input Tool
wcin
Wildlife Disease Information Node

[Home](#) | [Add Resource](#) | [Browse Resources](#) | [Search Resources](#) | [Manage Keywords](#) | [Manage Users](#) | [Tools](#) | [Manage Help](#) | [Logout](#)

Add Resource

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8

Required fields are in orange

General Details

Url: No Url

Headline:

Description:

Date Published: Year: Month: Day:

Provider Details

Creator(s):
[Library of Congress](#) [National Library of Medicine](#) [Canadian National Catalog](#)

A Abbott
A Abraham
A Aguzzi
A Amin

Dublin core foundation

Wildlife Disease News Digest

Wildlife Disease News and Information at your Fingertips. Brought to you by the NBII Wildlife Disease Information Node (WDIN)

APRIL 6, 2010

TOP STORIES



Rapid response team investigates coral disease outbreak in Kaneohe Bay

An outbreak of a disease called Montipora White Syndrome (MWS) was found in Kaneohe Bay, O'ahu within the last month prompting an interagency response team composed of scientists and students to document the extent, spread and potential causes of the disease.

Members of the investigative team included scientists from the University of Hawai'i at Mānoa's Hawai'i Institute of Marine Biology (HIMB), USGS National Wildlife Health Center and Bishop Museum.

Corals are the very foundation of our coral reef ecosystem and are under threat from overfishing, land-based pollution and emerging coral diseases.

University of Hawai'i at Mānoa - www.hawaii.edu/news

01 Apr 2010

Location: Kaneohe Bay, O'ahu, Hawaii, USA - [Map It](#)



>>>FULL ARTICLE



Wildlife Disease News

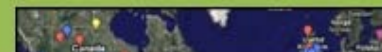
This news service focuses on wildlife diseases, and wildlife morbidity/mortality, especially as they relate to human and ecosystem health. We work to cover emerging infectious diseases, zoonoses, environmental toxins, population threats, unexplained incidents, die-offs and more.

[Disclaimer](#)

[News Selection Policy](#)

[How to sign up for eAlerts](#)

Global Wildlife Disease News Map



Map development

```
- <markers>
- <marker lat="55.1684683406" lng="-114.510976961" label="Alberta, Canada, North America" icontype="adminunit">
  - <infowindow>
    <div class="infodescription"><a href="http://www.country-guide.ca/west/issues/ISArticle.asp?aid=1000364688&PC=FBC&issue=03192010" target="_blank">Alta. finds CWD cases roaming south, west </a><br>Published by Country Guide - www.country-guide.ca on 3/19/2010 <br>(Alberta, Canada, North America)<br>While Albertas fall surveillance program for chronic wasting disease (CWD) in wi... </div>
  </infowindow>
</marker>
- <marker lat="37.2409189182" lng="-119.586752701" label="California, United States, North America" icontype="adminunit">
  - <infowindow>
    <div class="infodescription"><a href="http://greenoc.freedomblogging.com/2010/03/11/starving-dying-sea-lion-pups-wash-ashore/20937/" target="_blank">Starving, dying sea lion pups wash up in O.C. </a><br>Published by Orange County Register - www.ocregister.com on 3/11/2010 <br>(California, United States, North America)<br>Dozens of sick and starving sea lion pups are washing up on Southern California ... </div>
  </infowindow>
</marker>
- <marker lat="38.4836471607" lng="-98.3692223809" label="Kansas, United States, North America" icontype="adminunit">
  - <infowindow>
    <div class="infodescription"><a href="http://www.infozine.com/news/stories/op/storiesView/sid/40218/" target="_blank">Ten Kansas Deer Confirmed Positive in Chronic Wasting Disease Tests </a><br>Published by Kansas City InfoZine - www.infozine.com on 2/4/2010 <br>(Kansas, United States, North America)<br>On March 2, the Kansas Department of Wildlife and Parks (KDWP) announced that 10... </div>
  </infowindow>
</marker>
- <marker lat="50.073096483" lng="-85.8329433593" label="Ontario, Canada, North America" icontype="adminunit">
  - <infowindow>
    <div class="infodescription"><a href="http://www.winnipegfreepress.com/life/health/mysterious-bat-killing-illness-previously-seen-in-the-us-now-in-ontario-88664817.html" target="_blank">Mysterious bat-killing illness previously seen in the U.S. now in Ontario </a><br>Published by Canadian Press - www.winnipegfreepress.com on 3/19/2010 <br>(Ontario, Canada, North America)<br>A mysterious illness that has killed upwards of 500,000 bats in the northeastern... </div>
  </infowindow>
</marker>
```

```
524 // because the function closure trick doesnt work there
525 var idmarkers = [];
526 var gmarkers = [];
527 var htmls = [];
528 var i = 0;
529
530 // === Create an associative array of GIcons() ===
531
532 var gicons = [];
```




- [WDIN Home](#)
- [Wildlife Disease News Digest](#)
- [Map Stories RSS Feed](#)

Global Wildlife Disease News Map version 2.0

- [View Disease News on Map](#)
- [Browse Map Articles](#)
- [About Map](#)
- [Map Tips & Help](#)

Map Filters

Icon Legend: Place || County || Administrative Unit || Country || Continent

- Wildlife Topic**
 - All Wildlife Topics
 - [Anthrax \(1\)](#)
 - [Avian Influenza \(2\)](#)
 - [Cancer \(1\)](#)
 - [Chronic Kidney Disease \(1\)](#)
 - [Chronic Wasting Disease \(5\)](#)
 - [Distemper \(1\)](#)
 - [Extreme Weather \(2\)](#)
- Human/Wildlife Topic**
- Domestic/Wildlife Topic**
- Disease Type**
- Country**
- Species**
- Date**





- [WDIN Home](#)
- [Wildlife Disease News Digest](#)
- [Map Stories RSS Feed](#)

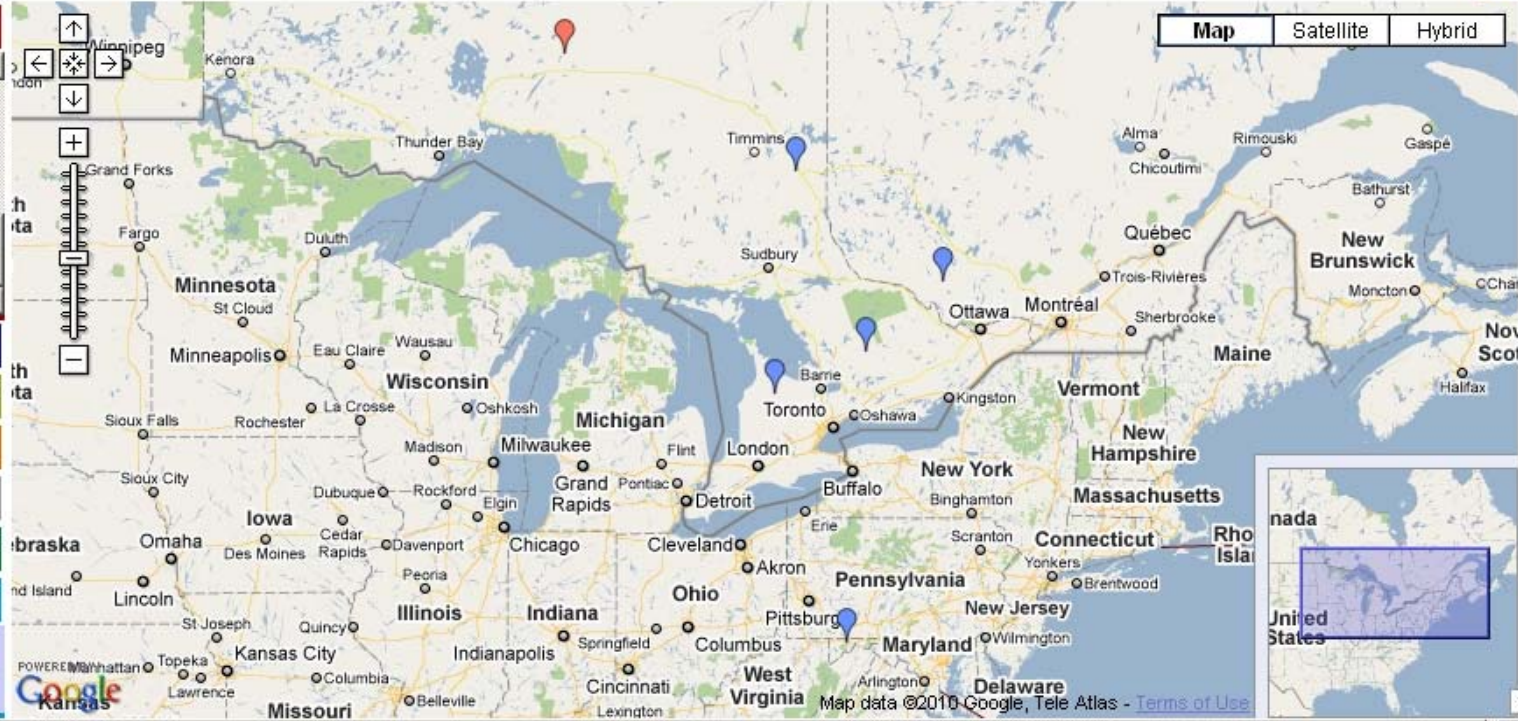
Global Wildlife Disease News Map version 2.0

- [View Disease News on Map](#)
- [Browse Map Articles](#)
- [About Map](#)
- [Map Tips & Help](#)

Map Filters

- Wildlife Topic**
 - Rabies (10)
 - Toxins (1)
 - Trauma (1)
 - Trematodes (2)
 - Tuberculosis (1)
 - Unknown (9)
 - West Nile Virus (1)
 - White-nose syndrome (WNS) (6)
- Human/Wildlife Topic**
- Domestic/Wildlife Topic**
- Disease Type**
- Country**
- Species**
- Date**
 - Last 45 Days
 - Last 7 Days

Icon Legend: Place || County || Administrative Unit || Country || Continent



White-nose syndrome (WNS)

Search

Reset Search

Sort By:

Headline (A-Z)

Displaying 1 - 10 of 10 Matching Records

[Bat Killer: White-Nose Syndrome \[Video 8 min 41 sec\]](#) [Show Full Record](#)

SHARE

Source: *Ravenswood Media, Vimeo - vimeo.com*

Resource Type(s): [Audio Visual Materials](#)

Searchable Keywords: [Bats](#) [Epidemiology](#) [Prevention & control](#) [White-nose syndrome](#)

Abstract: Available through the Scientific American 60-Second Science web site, this video describes the infection known as white-nose syndrome, its impacts on infected bats and the measures taken for disease control and prevention. The video running time is 8 min and 41 sec.

[Bat White-Nose Syndrome \(WNS\) Occurrence by County Map - Updated Jan 28, 2010](#) [Show Full Record](#)

SHARE

Source: *U.S. Fish and Wildlife Service*

Resource Type(s): [Maps](#)

Searchable Keywords: [Disease distribution](#) [Epidemiology](#) [United States](#) [White-nose syndrome](#)

Abstract: Displays the distribution of white-nose syndrome by county on a color coded map. The map differentiates between confirmed and likely cases and dates back to February 2006, when the first case was detected in Schohaire County, New York.

[Bat White-Nose Syndrome: An Emerging Fungal Pathogen?](#) [Show Full Record](#)

SHARE

Source: *Science. 2009 Jan 9;323(5911):227. Epub 2008 Oct 30.*

Resource Type(s): [Journal \(Articles\)](#)

Searchable Keywords: [Bats](#) [Emerging infectious diseases](#) [Epidemiology](#) [Pathology](#) [White-nose syndrome](#)

Abstract: From Abstract: "White-nose syndrome (WNS) is a condition associated with an unprecedented bat mortality event in the northeastern United States. Since the winter of 2006*2007, bat declines exceeding 75% have been observed at surveyed hibernacula. Affected bats often present with visually striking white fungal growth on their muzzles, ears, and/or wing membranes. Direct microscopy and culture analyses demonstrated that the skin of WNS-affected bats is colonized by a psychro-philic fungus that is ...

[White-Nose Syndrome Overview](#) [Show Full Record](#)

SHARE

Source: *Fort Collins Science Center (U.S.)*

Resource Type(s): [Issue Overviews](#), [Maps](#)

Searchable Keywords: [Emerging infectious diseases](#) [Etiology](#) [History](#) [United States](#) [White-nose syndrome](#)



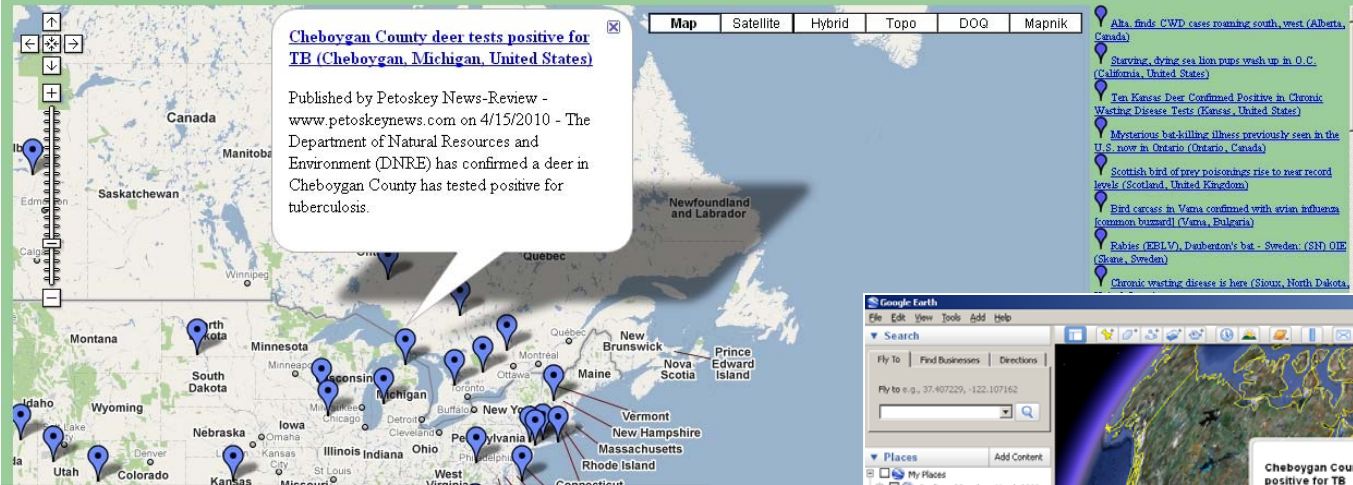
Portable content



Wildlife Disease Information Node News Digest - GeoRSS Feed

An ACME GeoRSS Map

Last 45 days of georeferenced entries on the wdin.blogspot.com blog



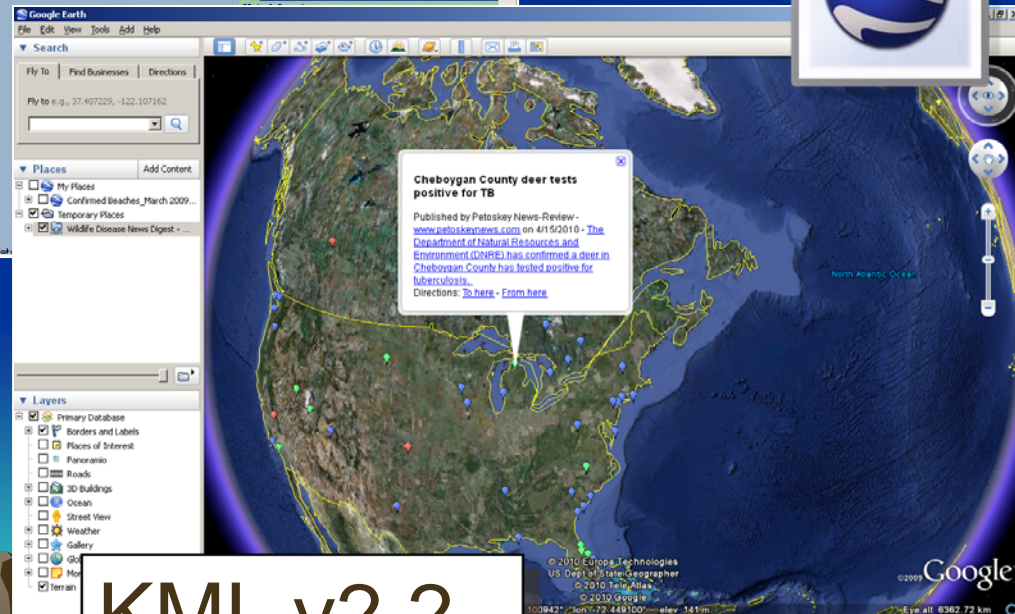
Cheboygan County deer tests positive for TB (Cheboygan, Michigan, United States)

Published by Petoskey News-Review - www.petoskeynews.com on 4/15/2010 - The Department of Natural Resources and Environment (DNRE) has confirmed a deer in Cheboygan County has tested positive for tuberculosis.

- Alta finds CWD cases roaming south, west (Alberta, Canada)
- Starving, dying sea lion pups wash up in O.C. (California, United States)
- Ten Kansas Deer Confirmed Positive in Chronic Wasting Disease Tests (Kansas, United States)
- Mysterious but-killing illness previously seen in the U.S. now in Ontario (Ontario, Canada)
- Scottish bird of prey poisons rise to near record levels (Scotland, United Kingdom)
- Bird carcass in Vienna confirmed with avian influenza common buzzard (Vienna, Bulgaria)
- Rabies (RABV), Dutchman's bat - Sweden: (SND OIE) (Skane, Sweden)
- Chronic wasting disease is here (Sioux, North Dakota, United States)



RSS 2.0 + simple
geoRSS
namespace v1.1



Cheboygan County deer tests positive for TB




Published by Petoskey News-Review - www.petoskeynews.com on 4/15/2010 - The Department of Natural Resources and Environment (DNRE) has confirmed a deer in Cheboygan County has tested positive for tuberculosis. Directions: [To here](#) - [From here](#)

KML v2.2






- Feeds Select [all](#), [none](#)

News/Media

-  [Google News](#)
-  [Moreover Technologies](#)
-  [Wildlife Disease Node](#)



[+ more](#)

Scientific Reports



-  [ProMED Mail](#)
-  [GeoSentinel](#)
-  [EuroSurveillance](#)

[+ more...](#)

Community Contributions

-  [News Reports](#)
-  [Eyewitness Reports](#)






Official Sources

-  [World Health Organization](#)
-  [World Org. for Animal Health](#)

- Category

- [International Significance](#)
- [New & Ongoing Outbreaks](#)
- [Warnings](#)

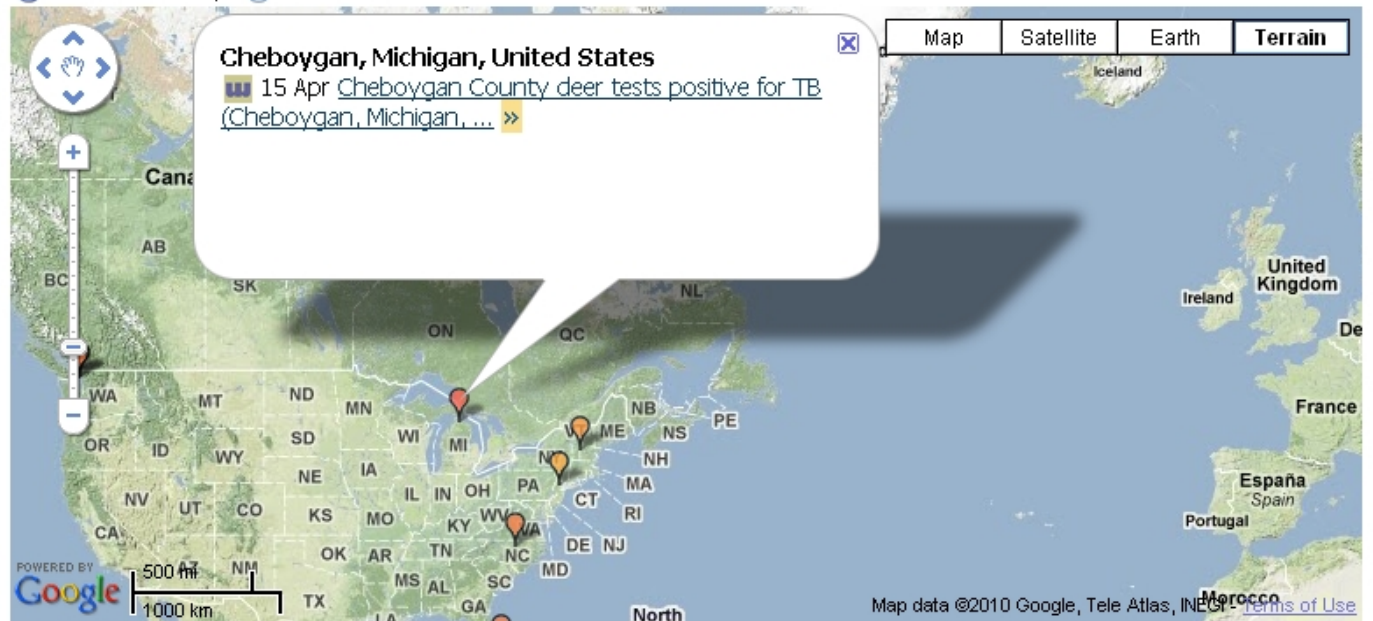
- Diseases Select [all](#), [none](#)

-  [Ebola \(2\)](#)
-  [Malaria \(22\)](#)
-  [Rift Valley Fever \(22\)](#)
-  [Influenza \(21\)](#)
-  [Mumps \(19\)](#)

Zoom to: [N. America](#) | [S. America](#) | [Europe](#) | [Africa](#) | [Mideast](#) | [Asia](#) | [Australia](#) | [World](#)

[Full Screen](#)



Worldwide Alerts | Latest alerts




Date range: 7 Apr - 17 Apr

Last update: 17 Apr 2010 21:02 | Next update: 17 Apr 2010 22:02

Legend

-  Country level
-  Province or local level

Outbreak missing from the map? Help us by adding it:

 [Complete a quick form:](#)

Children's Hospital Boston, Harvard Medical School and the Massachusetts Institute of Technology





Country/region [select]

Home Business solutions IT services Products Support & downloads My IBM

Search: GO Search scope: All topics

Hello, guest [Sign in](#)

- Con
- Mashup Center v2.0 In
- Examples
- Tutorials
- Planning, installing, ar
- Catalog, feed generatc
- Mashup builder
- ibm.com: About IBM -

Creating the Disease Outbreak Data Mashup

This lesson addresses the second problem posed by the veterinarian. Like the last lesson, you will apply the five steps for creating a data mashup to solve the

Estimated time to complete this lesson: 60 minutes

Table of Contents

1. Define the business problem you need to solve and the output from the finished data mashup.
2. Identify the data required to solve the problem.
3. If the data is not available as a feed, create the feed in Mashup Center.
4. Create the data mashup using the data mashup builder, keeping in mind the desired output.
 - o Overview of data mashup builder tasks
5. Verify the output satisfies the problem.

Five steps for creating a data mashup

1. Define the business problem you need to solve and the output from the finished data mashup.

The veterinarian states her second problem as:

Most of my clients' animals are farm animals and live outdoors. They are exposed to wildlife and wildlife diseases. When a disease on

0 Comment(s) [More](#)

Be the first person to comment. Click the comment button.



‘.. The WDIN provides an outstanding means of quickly scanning the wildlife health events of possible significance across this country (by viewing the website and map) and the rest of the world. We also use an information gathering system that draws on the WDIN RSS feeds as continuous sources.. ‘

Eric Pederson, PhD

Systems Planning and Analysis Team

National Biosurveillance Integration Center

Office of Health Affairs

Department of Homeland Security



Future directions

SIMILE Widget: Exhibit

» SIMILE Widgets » Exhibit » Examples: U.S. Presidents

US Presidents

Here is the [Exhibit JSON data file](#).

Search:

Religions

- 1 Anglican
- 4 Baptist
- 1 Christian
- 1 Church of Christ
- 1 Congregationalist
- 2 Deism
- 1 Deist
- 1 Disciple of Christ
- 2 Dutch Reformed
- 8 Episcopal
- 3 Methodist
- 1 never baptized

Political Parties

- 15 Democratic
- 4 Democratic-Republican
- 1 Federalist
- 1 No Party
- 18 Republican
- 4 Whig

Died In Office

- 35 no
- 8 yes

Timeline © SIMILE

1970 1980 1990

1800 1900 2000 2100 2200

Democratic Republican Other parties

[BIRTH PLACES WITH PHOTOS](#) • [DEATH PLACES \(BY PARTY\)](#) • [DETAILS](#)

43 Presidents

Map Satellite Hybrid

Greenland

AK YT NT

Jimmy Carter
Plains, Georgia, USA, Wed, Oct 1, 1924, 12:00 am

keyword filtering,
timeline, search
function, export abilities,
background layers

Questions?

mkhines@wisc.edu

608-270-2400 x2333

