


4) Use of Fossil Fuels



New Brunswick introduces fracking moratorium

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40 Comments

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The New Brunswick government is introducing a moratorium on hydraulic fracturing that the Premier says won't be lifted until five conditions are met.

Those conditions include a process to consult with First Nations, a plan for waste water disposal and credible information about the impacts fracking has on health, water and the environment, Brian Gallant said Thursday.



CP Video Dec. 18 2014, 1:30 PM EST
Video: Fracking temporarily suspended in New Brunswick

5) Draining of underground aquifers...

If You Think the Water Crisis Can't Get Worse, Wait Until the Aquifers Are Drained

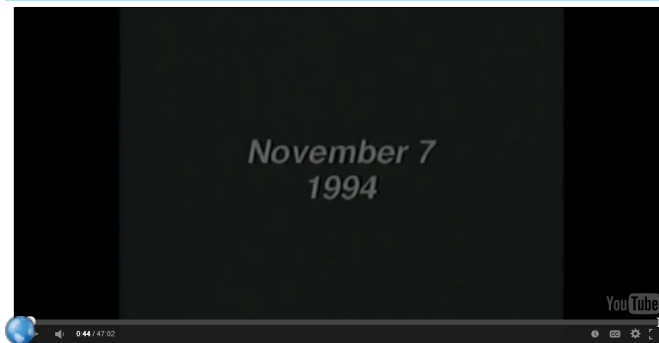
We're pumping irreplaceable groundwater to counter the drought. When it's gone, the real crisis begins.



6) Clearing of forests...



Christmas Mountain Blowdown



<http://safeshare.tv/v/ss563b5882b71a7>



<http://safeshare.tv/v/ss563b58f7152b5>



<http://safeshare.tv/v/ss563b594aa7d4a>



7) Use of pesticides and fertilizers...





Saving Species One at a Time

- Captive-breeding programs
 - Hope of reintroducing such species back into the wild
 - Ex. condors
- Preserving genetic material
 - Germ plasm is any form of genetic material
 - Used for future use in research and species-recovery efforts
- Zoos, aquariums, parks and gardens
- Typically, a last resort for a species' survival
- More study needed



Preserving Habitats and Ecosystems

- The most effective way to save a species
- More species can be targeted in conservation efforts
- Focus on hotspots and those areas that are linked to larger networks



Legal Protection for Species

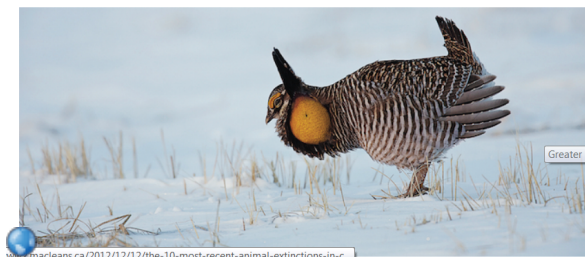
- Such laws protecting species are recent
- Endangered Species Act
- Habitat conservation plans attempts to target certain species across large areas of land through trade-offs and cooperative agreements
- International agreements happen through the IUCN (International Union for the Conservation of Nature)
 - Red lists
 - CITES (Convention on the International Trade in Endangered Species)
 - The Biodiversity Treaty from the Earth Summit



The 10 most recent animal extinctions in Canada

These creatures have either died out entirely or are extirpated from Canada

by [Blog of Lists](#)



COSEWIC...

**Committee
On the
Status of
Endangered
Wildlife
In
Canada**

Species of Risk Levels...

There are seven different designations that COSEWIC uses to determine the level of risk for a species. Under the SARA, COSEWIC uses seven categories to indicate the level of danger an at-risk species currently faces:

Extinct - a species that no longer exists anywhere on Earth.

Extirpated - a species that no longer exists in the wild in Canada, but is still living in other areas of the world.

Endangered - a species that is facing imminent extirpation or extinction.

Threatened - a species that is likely to become endangered if nothing is done to reverse the factors leading to its extirpation or extinction.

Special Concern - a species that may become threatened or endangered because of a combination of biological characteristics and identified threats.

Data Deficient - a category that applies when there is not enough available information to determine if the species is at risk or not.

Not at Risk - a species that is not at risk of extinction.

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NOTE: SARA
'Species at Risk Act'



How are Species listed "at risk"?

Definitions are:

Extinct - a species formerly indigenous to Canada that no longer exists anywhere.

Extirpated - a species no longer existing in the wild in Canada but occurring elsewhere in the world.

Endangered - a species threatened with imminent extinction or extirpation throughout all or a significant portion of its Canadian range.

Threatened - a species likely to become endangered in Canada if the factors affecting its vulnerability are not reversed.

Vulnerable - a species particularly at risk because of low or declining numbers, small range or for some other reason, but not a threatened species.

Unit 2
ENDS
