

LIBRARY TIME...What needs to be done!

Journal - Library Plan.doc

Research Project - Fisheries Ideas 2014.pdf

Pass in today!!!

Graphic Organizer due Feb. 26

Environmental Science 120
Research Project Ideas

INSTRUCTIONS: Search for relevant information on an interest of your choice. Make sure to reference and record where you find your information (ie. bookmark websites, reference arcs, etc...). These are only suggestions...

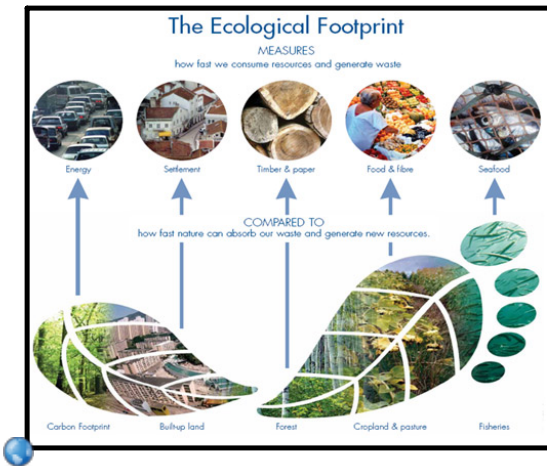
- **FISHERIES:**
 - Pressures facing the global fishing industry.
 - Pressures facing the Atlantic Salmon fishing.
 - Overfishing of species.
 - Aquaculture in New Brunswick.
 - Open pen vs land based salmon farming.
 - Escapement of farmed salmon.
 - Sustainable management practices for NB's fishery resources.
 - ISA Disease with farmed salmon.
 - Mactaquac Dam's future?
 - Greenland Commercial Salmon fishery.
 - Spread of Didymo (Rock Snot) by fisherman.
 - Angling Regulations...retention vs release.
 - Tracking Atlantic Salmon and population estimation.
 - Exploitation of bass in Miramichi Lakes?
 - Stripped bass and implications on Miramichi Salmon fishery.
 - Sinking of abandoned vessel off of Millbank implications and responsibilities.
 - Potential closure of fish barriers on Miramichi River.
 - Global warming and effect on ocean and freshwater systems.
 - Atlantic Salmon being on the 'species at risk' list?
 - Power generation on river systems.
 - Opening of the Petcodiac Causeway.
 - Closure of Saint John River for salmon fishery.
 - Stocking of salmon to river systems.
 - Problems with the sea lice parasite.
 - Forestry practices and implications on watersheds.
 - Conservation and stewardship of Atlantic Salmon.
 - Changes to Fisheries Act impacting habitat protection.
 - Upcoming changes to the Crown Reserve System (DNR) and Recreational Salmon Fishing (DFO) in NB.
 - Low marine survival for the Atlantic Salmon...mystery of the sea.
- Current NB Issues...
 - Hydrofracking.
 - NB/Alberta pipeline.
 - Transportation of Oil with Railways

UNIT 1 - An Overview of Environmental Science

- *The Issues*
- *Population Growth and Resource Limitations*
- *Researching Current Environmental Issues*

What is your ecological footprint?

How many planets would we need if everyone lived like you? An **ecological footprint** measures the total amount of land and resources used, it includes your **carbon footprint** but goes further. Find out your **ecological footprint** by answering questions about your lifestyle. See how your choices affect the environment and whether you are living beyond the capacity of the planet.



Ecological footprints allow people to visualize the impacts of their consumption patterns and activities on ecosystems.

An average world citizen has ecological footprint equivalent to 2.3 hectares or 5.6 acres while the biologically productive land available is only 1.9 hectares per person.

The average resident of the United States lives at a consumption level that requires 9.7 hectares of bioproductive land. If everyone in the world adopted a North American lifestyle, we'd need about four more planets to support us all.

Determining your 'Ecological Footprint'

<http://www.footprintnetwork.org/en/index.php/GFN/page/calculators/>



Let's do one together...

YOUR PERSONAL ECOLOGICAL FOOTPRINT print results

Congratulations on completing the first step to reducing your Ecological Footprint.
 Your Ecological Footprint is: **6.6** global hectares
 Your current consumption requires an area of productive land equivalent to **8.1** Canadian football fields.

Category	Value (Global Hectares)
Your Footprint	6.6
Calgary Average	8.6
Canadian Average	5.8

The imagineCalgary objective is to reduce Calgary's Ecological Footprint 30% by 2036.
 Your Ecological Footprint based upon your consumption: (hover over each section for additional information):

Category	Percentage
Services	34%
Food	
Shelter	
Mobility	
Goods	

Some ideas to reduce your Footprint – follow the "take action" link below for detailed suggestions:

Energy (70% of Calgary's Footprint):

- Reduce your household energy use – turn down your thermostat when not occupied and at night, use energy efficient bulbs and replace appliances with Energy Star® rated models, add insulation and draft proofing.
- Use public transit, carpool, ride a bike or walk. Keep tires properly inflated, have your vehicle properly tuned and avoid idling.

Local Foods:

- In season, purchase locally grown foods that require less transportation and processing to get products to market.

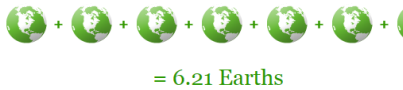
Goods:

- Reduce consumption of one-time use products. Purchase re-usable products when possible. Avoid products that produce excess waste. Purchase goods that are made locally to reduce their transportation Footprint.

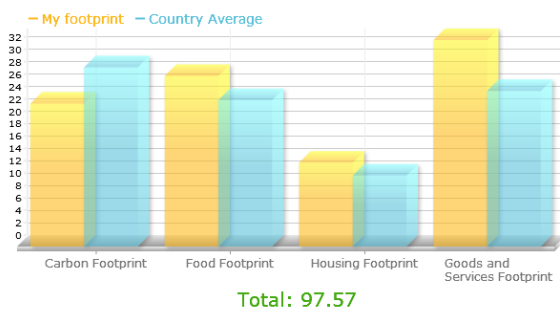
Buttons: edit Footprint, go back and retake parts of the quiz, take action, Return to Calgary.ca/ footprint to find out what you can do to take action to reduce your footprint

My Ecological Footprint - Quiz Results

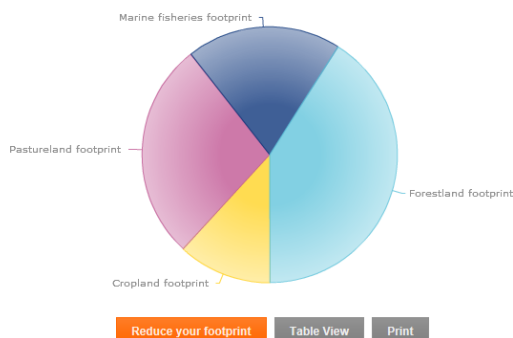
If everyone on the planet lived my lifestyle, we would need:



MY FOOTPRINT IN GLOBAL HECTARES BY CONSUMPTION CATEGORY



MY FOOTPRINT SHARE BY BIOME





QUIZ...Fracking

Begin working on eco-points!!!

Search for 'MVHS Env. Sci.' on Twitter tonight

- follow for 5 eco-points

Attachments

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