

Ethical Consumerism

Ethical consumerism is the purchase of products that are perceived by the consumer to be made in an ethical manner, usually in reference to the lack of exploitation of humans, animals and the environment.

It includes positive buying of products and boycotting products for negative reasons.

- local food
- free range and organic meat and eggs
- cage-free eggs
- vegetarianism
- avoidance of clothes and shoes made in sweatshops
- animal-free testing of cosmetics
- green construction
- hybrid vehicles
- biodegradable products

LAB: Mark-Return-Recapture

1.2 A Sample Census-Wildlife.doc

Classroom



Lab - Mark_Return_Recapture.pdf

Lab Report - Mark_Return_Recapture.pdf

Field..Miramichi River



- NOTES:**
- Only 1 lab report needs to be passed per group.
 - If you are absent, see me to make it up during IS.
 - link is below for the extension question.

<http://www.miramichisalmon.ca/northwest-miramichi-river-smolt-study/>

DUE: By the end of class on Friday

NOTES - Populations.pdf

INVESTIGATION 1.2: 'A Sample Census - Wildlife on the Move'

- **population** - the total number of individuals of a single species that live in a designated region at a given time.
 -) ex: human population is ~ 6 billion
- **population density** - the number of individuals of a single species that live in each unit area (km², mi², hectare, acre) of habitat at a given time.
 -) ex: deer population is 6 deer per square mile
- **census** - a count of the population.
- **true census** - actual count of all of the individuals of a species in a given area.
- **sample census** - is an estimate of the population.

(used when actual count is not possible)

$\text{ESTIMATED POPULATION} = \text{Estimated Population Density} \times \text{Area of Habitat}$

- The 'mark-return-recapture method' is used to estimate population density.
 ex: DFO at Millerton and Cassillis estimate salmon populations on Miramichi River.

$P = \frac{T_F T_L}{M}$	P - estimated population T _F - total animals captured in first trapping T _L - total animals captured in later trapping M - recaptured animals that are marked
-------------------------	--

example → $T_F = 20$ (Mark 20 of them in 1st trap)

$$P = \frac{20 \times 16}{2}$$

$$P = 160$$

$$T_L = 16$$

$$M = 2$$

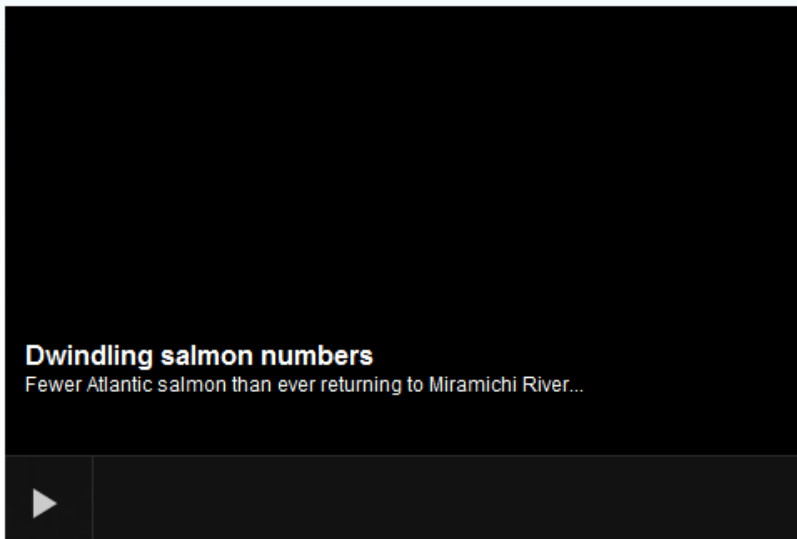
$$T_L = 18$$

$$M = 0$$


$$P = \frac{20 \times 18}{0}$$

error

Miramichi Salmon Numbers Hit Record Low



CBC NEWS

 **Miramichi River salmon numbers hit record low in 2014**


Bold Action Needed to Save Atlantic Salmon

TELEGRAPH JOURNAL

Bold action needed to stem Atlantic salmon crisis

Sept. 17, 2014

SHAWN BERRY LEGISLATURE BUREAU

 <http://asf.ca/bold-action-needed-to-save-atlantic-salmon.html>

Attachments

1.2 A Sample Census-Wildlife.doc

Lab - Mark_Return_Recapture.pdf

Lab Report - Mark_Return_Recapture.pdf

NOTES - Populations.pdf