

Public Consultation for the PEI Water Act

CAWVG

CORNWALL AND AREA WATERSHED GROUP

WWW.CAWG.CA

Dec 2nd, 2015

“Our Plan is only as good as the process it takes to get there”

Sustainability:



Prevent

“Undesirable Results”

Lowering of
Groundwater
Levels

Reduction in
Groundwater
Storage

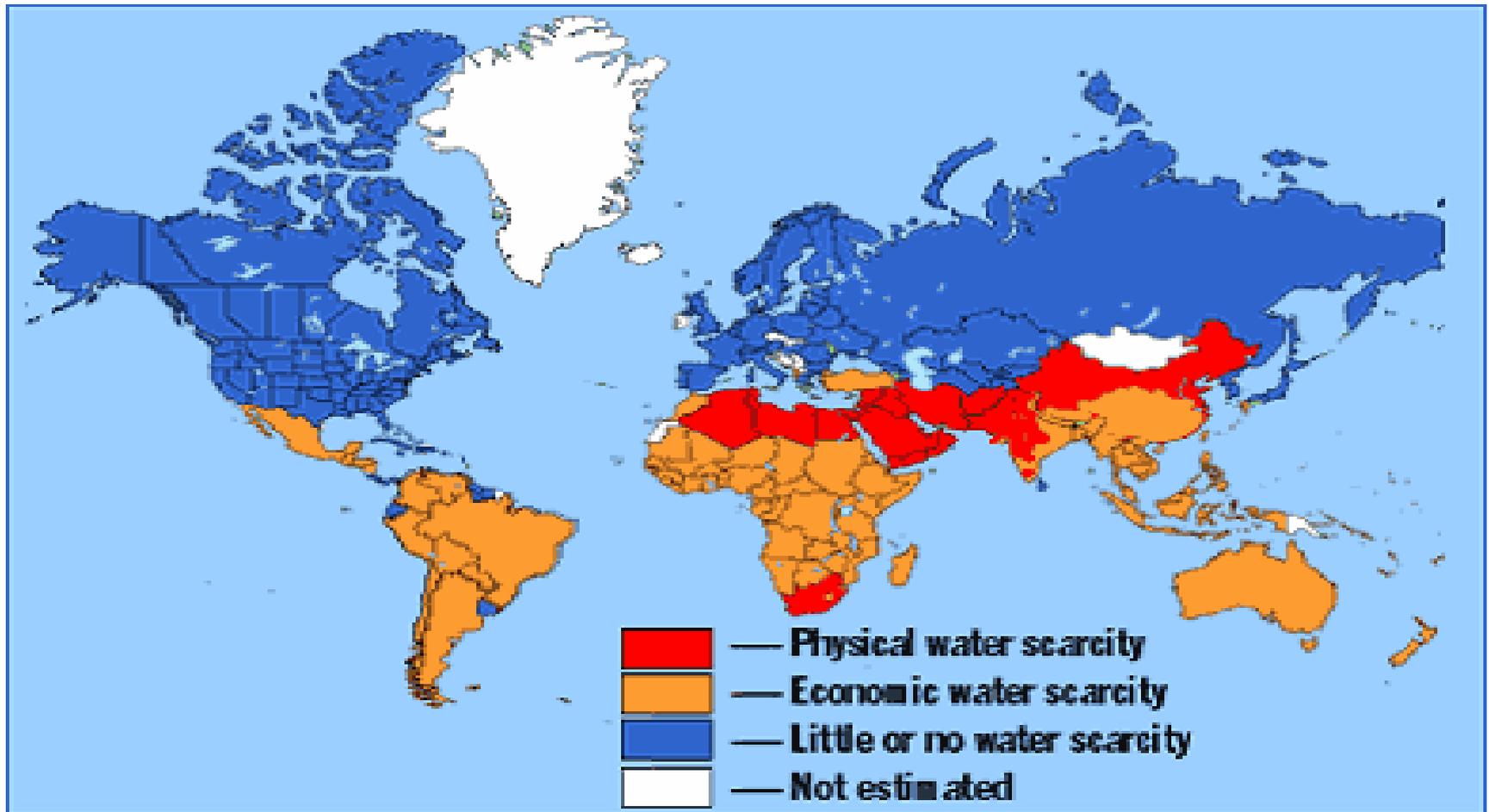
Seawater
Intrusion

Water
Quality
Degradation

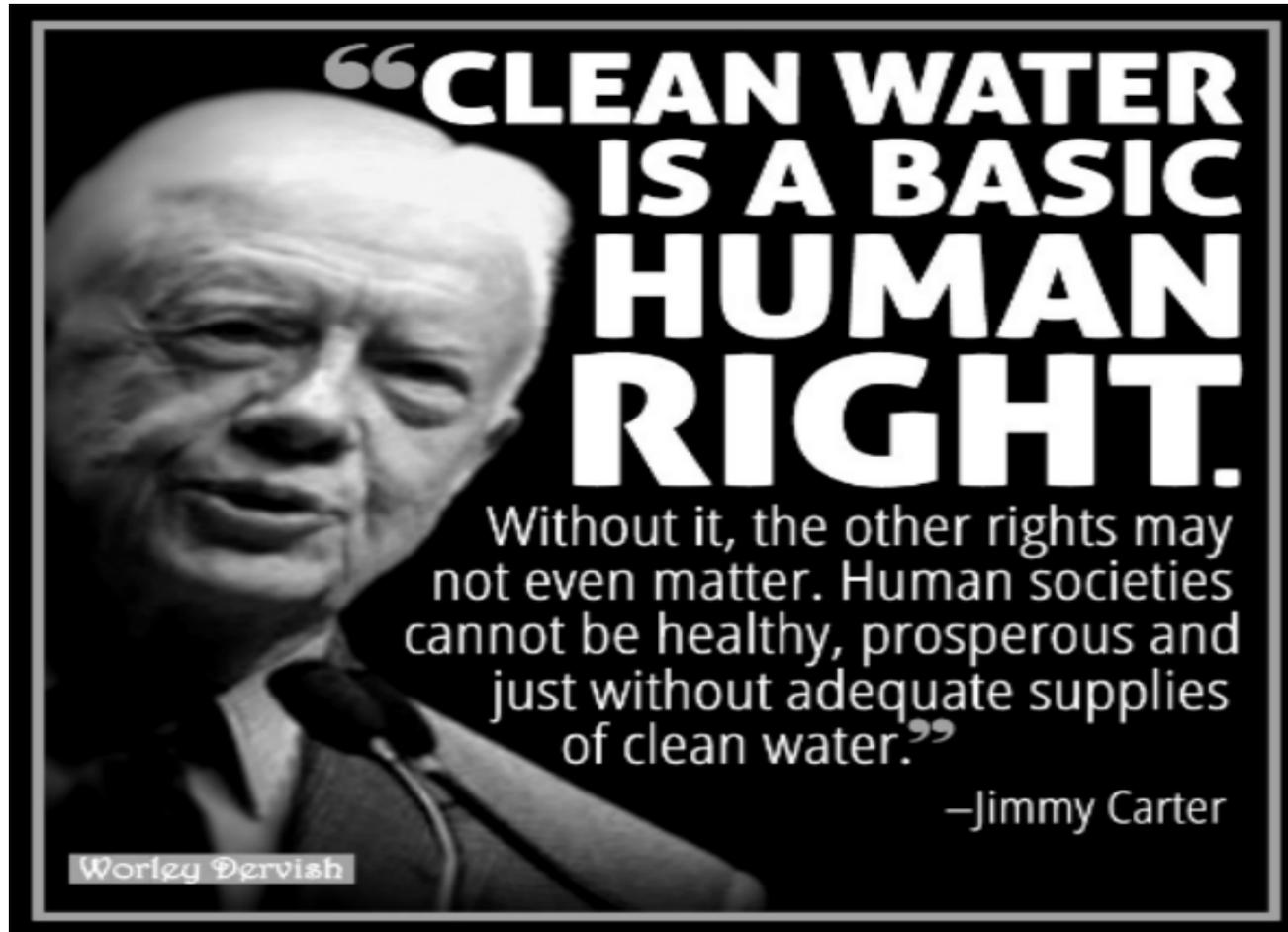
Land
Subsidence

Depletions of
Surface
Water

We can expect things to change eventually and scarcity to happen more frequently



Clean Water is a Basic Human Right



May this Act recognize water as a basic human right for now and all generations to come. Please put this realization in the purpose of the Act.

In the Purpose of the Water Act please recognize the following

International Environmental Law

(cont.....)

- 5. Precautionary principle**
- 6. The polluter pays principle**
- 7. Sustainable development**
- 8. Intergenerational equity and Responsibility**

(cont...)

Other principles of major importance, the Act should consider and not ignore

Important Principles Invoked by Judiciary

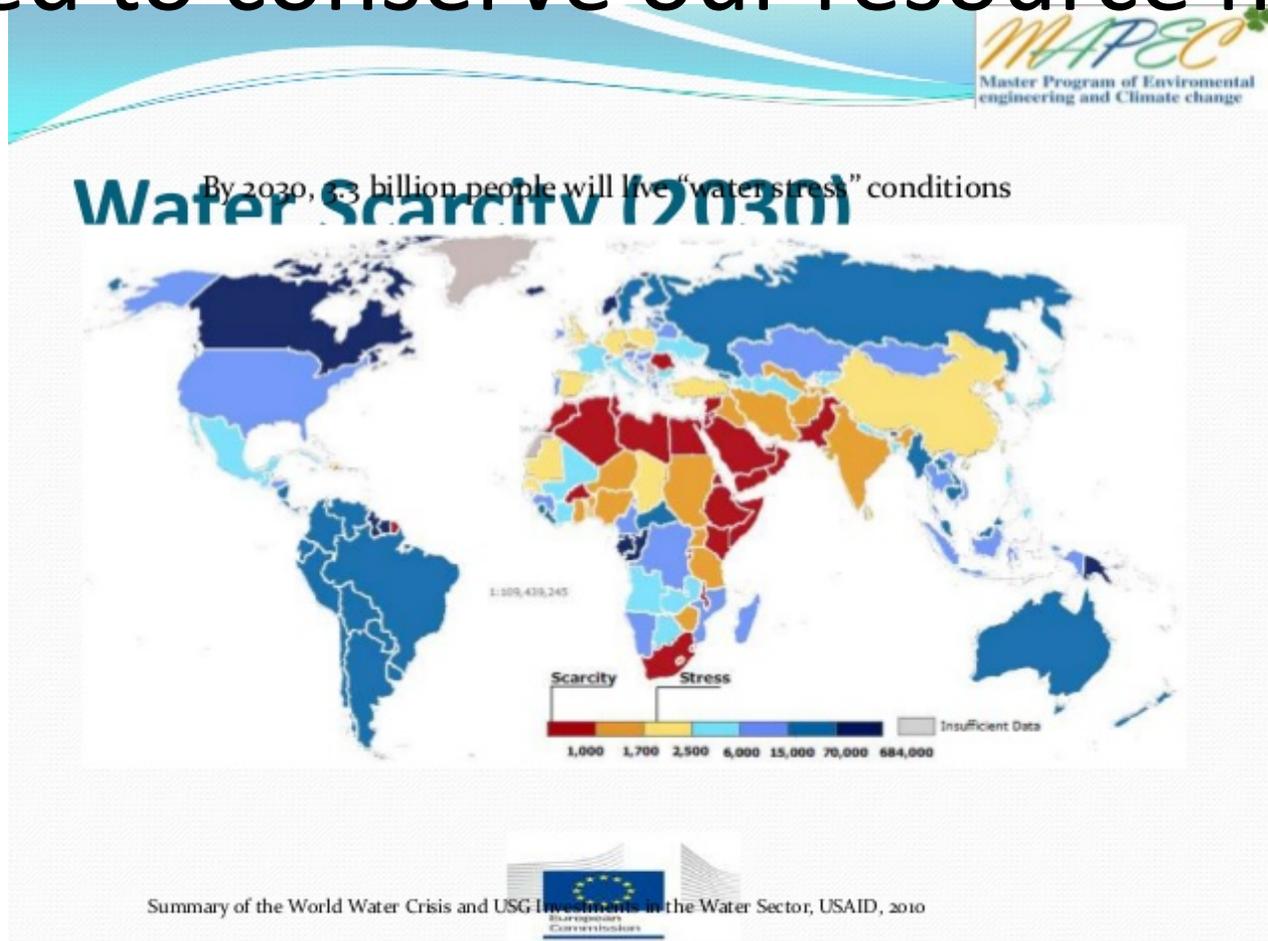


- Right to Life includes Right to Clean Environment and Livelihood
- Polluter Pays Principle
- Principle of Absolute Liability
- Principle of Intergenerational Equity
- Doctrine of Public Trust
- Precautionary Principle
- Principle of Prior and Informed Consent

But...

- These principles rarely guide administrative decisions, and are often ignored by the Judiciary in enforcing compliance.

Water scarcity projection 15 years from now... It is a real inevitability we need to conserve our resource now.

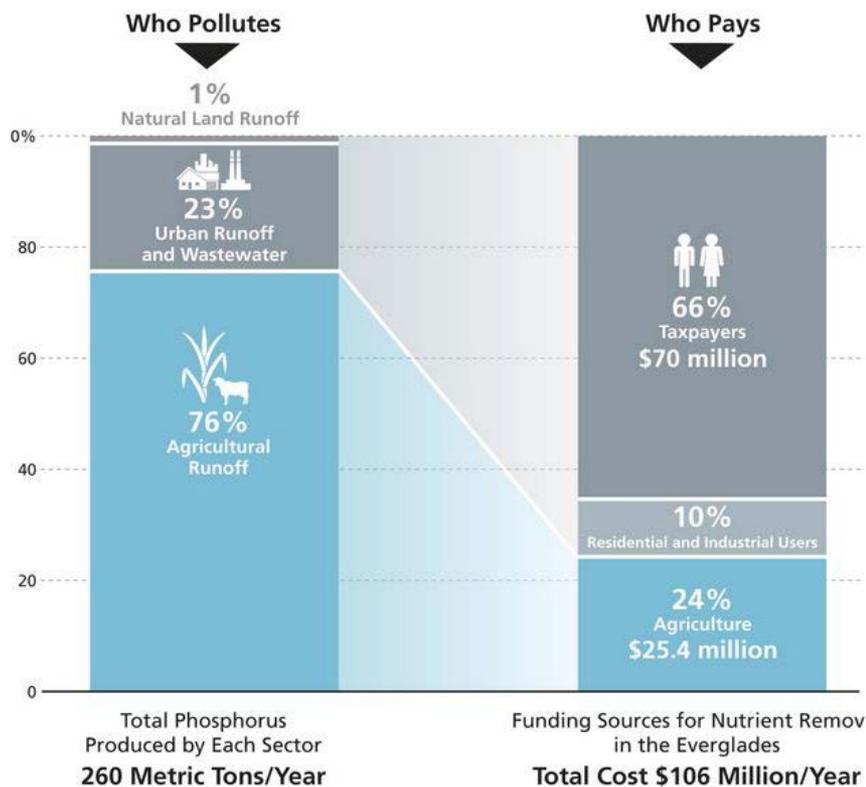


Pleas consider the affects of International Trade Agreements and how we can protect our well being

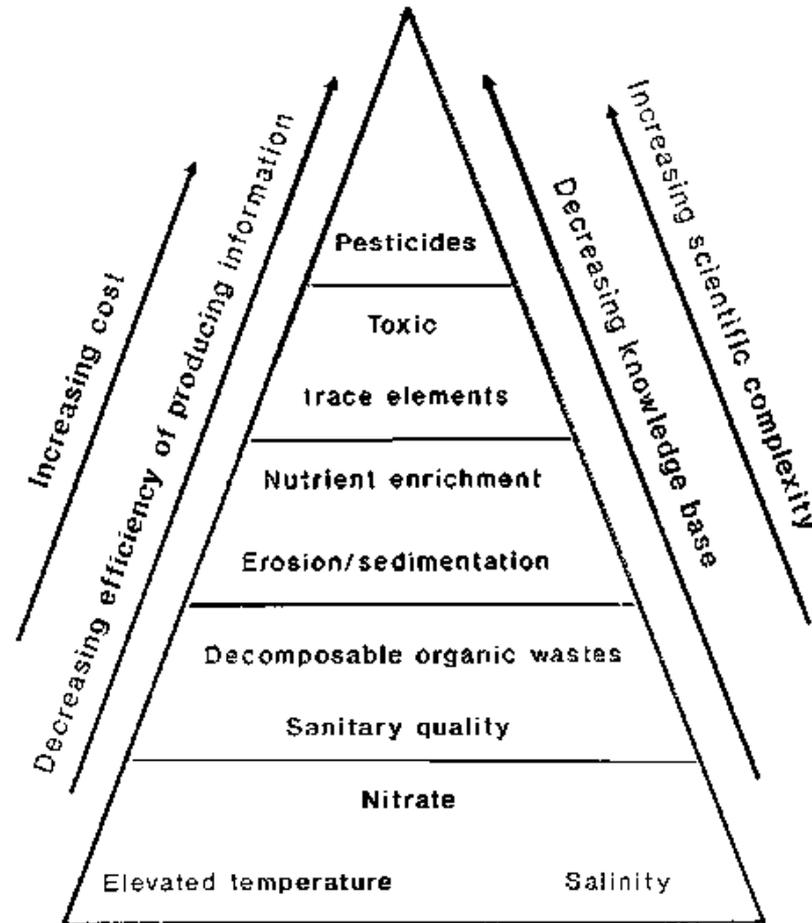


Making sure the industry pays for polluting is responsible, making them clean up the damages is key

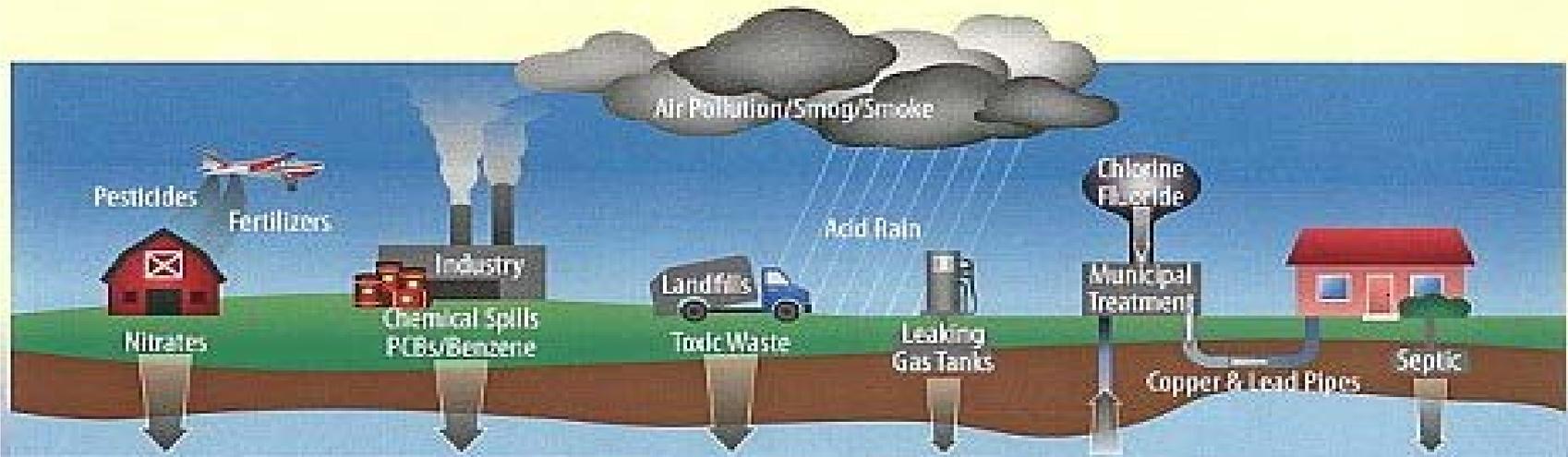
Phosphorus Pollution in the Everglades: Who Pollutes and Who Pays



We can expect costs to rise if we don't take responsibility now within this Act

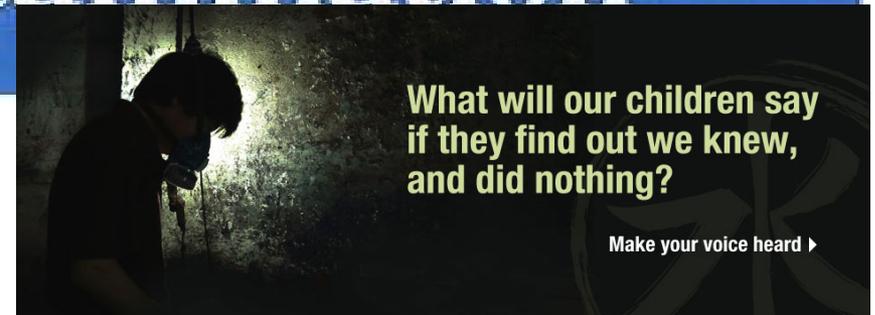


Evolution of Pollution



Potential Sources of Water Contamination

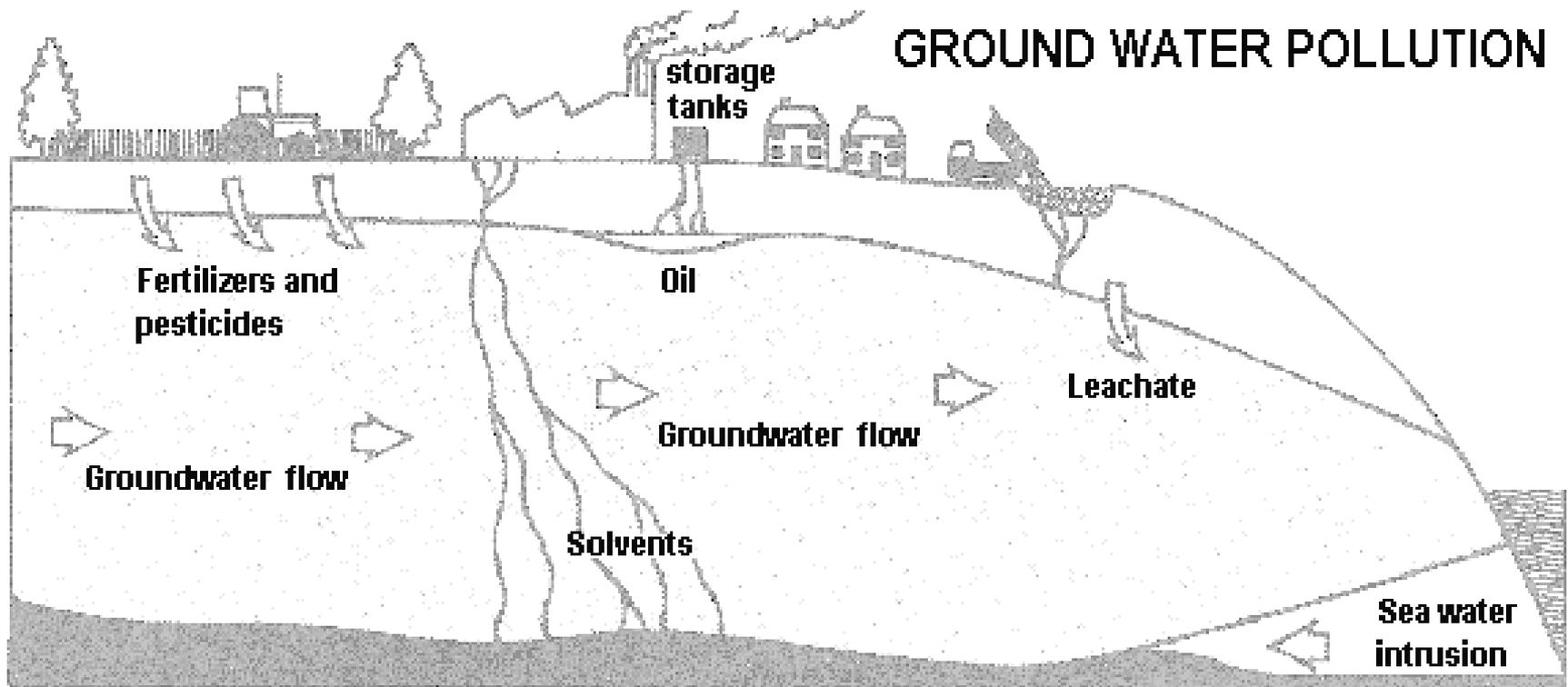
© 1996 Waterwise Inc.



What will our children say if they find out we knew, and did nothing?

Make your voice heard ▶

Sources of pollution to our groundwater



Polluters Pay Principle

- The party generating the pollutant, like wastewater, shall be responsible and held accountable to paying for the repair of the damages done or required to prevent damages to the natural environment .

concentration being 0.65 ppb. There were seven detections of metalaxyl, with the maximum concentration 0.07 ppb; three detections of metribuzin with the highest concentration being 0.47; and a single detection of hexazinone at a level of 0.51 ppb.

Summary of Groundwater Results 2003 – 2005

Compound	Detections (out of a total of 314 samples)	Maximum Concentration (ppb)	Drinking Water Guideline (ppb)
Atrazine	11	1.1	5
Metribuzin	5	0.47	80
Hexazinone	3	0.7	400*
Chlorothalonil	2	0.4	70**
Metalaxyl	8	0.1	500**

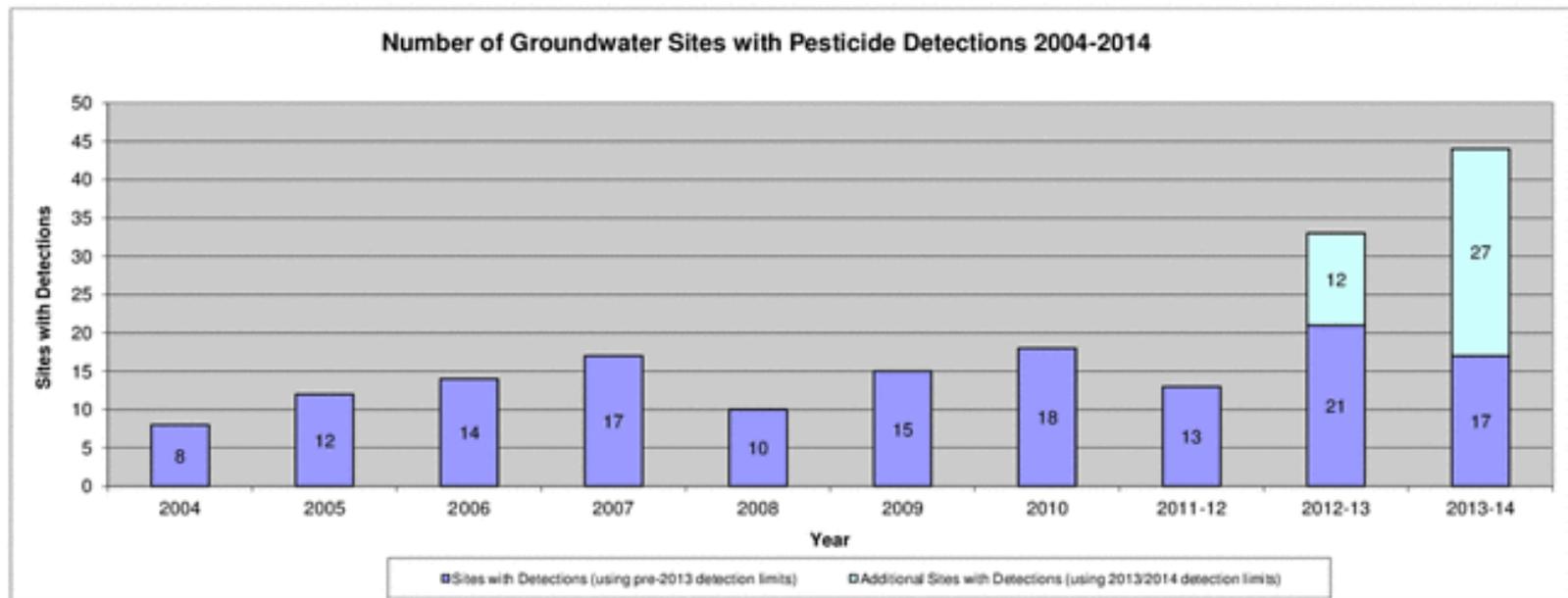
*United States Health Advisory Level

**Guidance value provided by Health Canada

In PEI, taken from the Citizen's Alliance Website

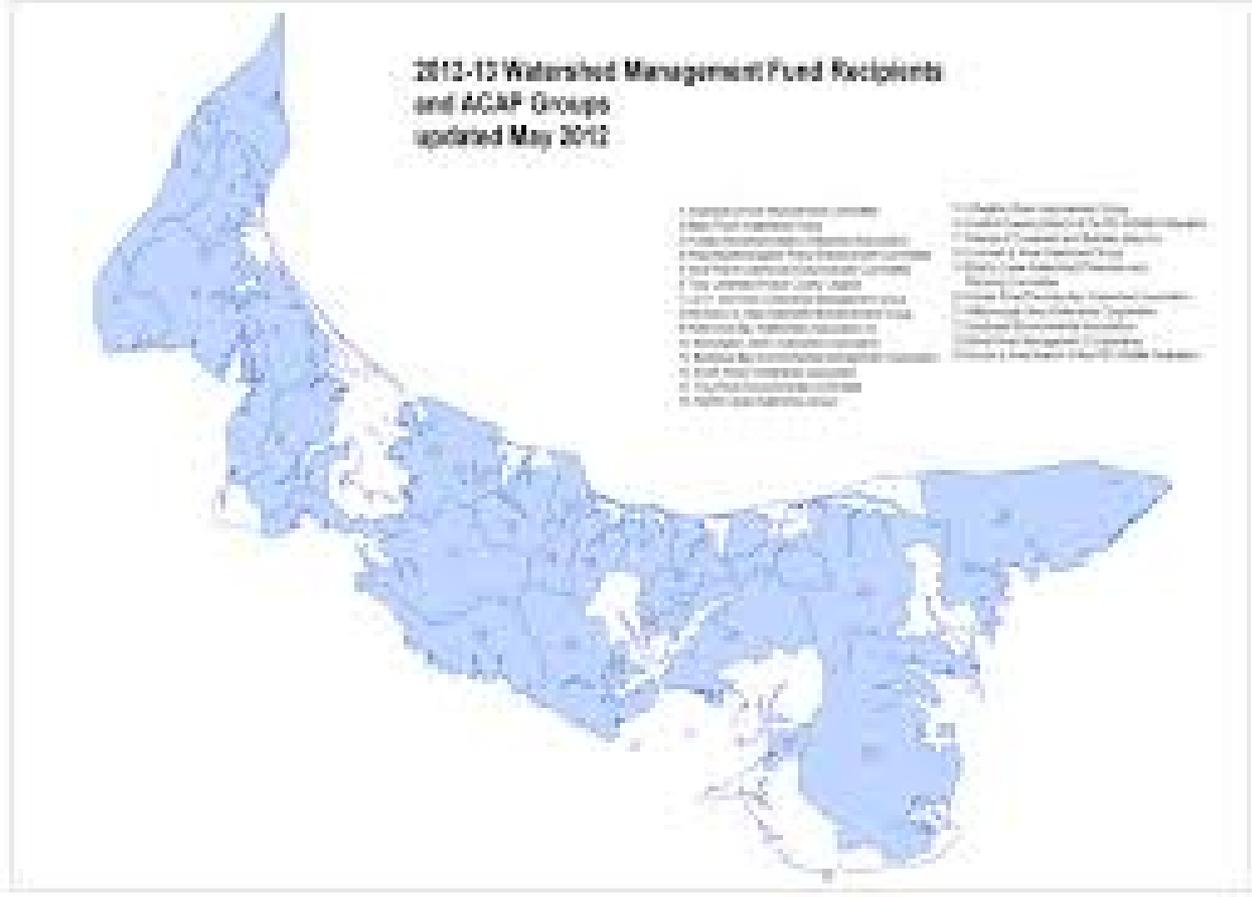
Increases of pesticides in water...what can we expect then for the next 25-50 years?

	2004	2005	2006	2007	2008	2009	2010	2011-12	2012-13	2013-14	Total
Additional Sites with Detections (resulting from lower 2013-2014 lab detection limits)									12	27	39
% detect (using 2013 lab detection limits)	7.5%	11.3%	14.6%	15.9%	9.8%	16.0%	18.0%	13.1%	34.4%	45.4%	17.4%
% above guidelines	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%



NOTES: The lab detection limits for Imidacloprid and Chlorantraniliprole decreased from 0.1 ng/ml to 0.02 ng/ml in the 2013 sampling season. This resulted in additional lab detections that would not have been detected using the 2013-2014 detection limits. The darker blue bar represents the number of sites with detections using the 2004-2012 lab detection limit of 0.1 ng/ml. The lighter blue bar (top) represents the number of sites with additional detections using the lower lab detection limit of 0.02 ng/ml implemented in 2013.

More revenue for watershed groups please and Thank You!



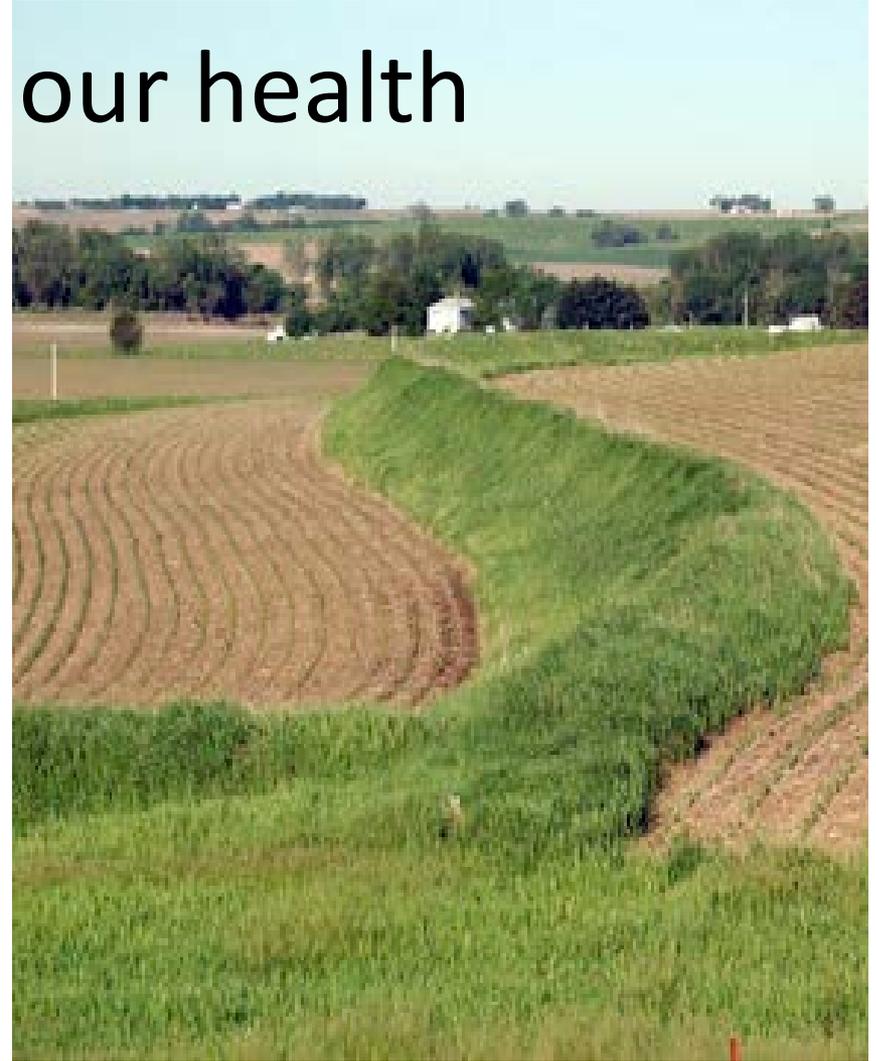
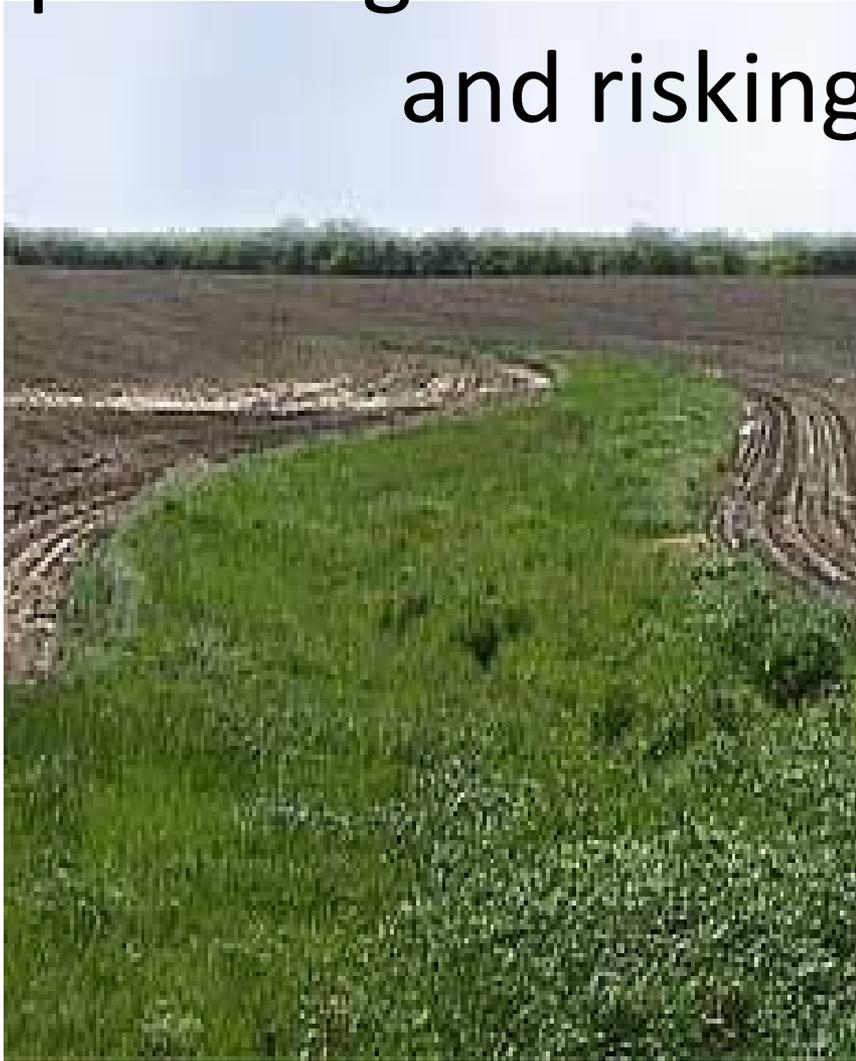
incorporate a number of grass berm
terraces to prevent soil erosion if
we're bound to using the same
amount of pesticides we use now.



Terraces, berms, buffer zones, all
need to be in the Act to protect
our water and health



We have too much soil erosion and it's
polluting our water but also our bodies
and risking our health



Thank You!

Sustainability:

