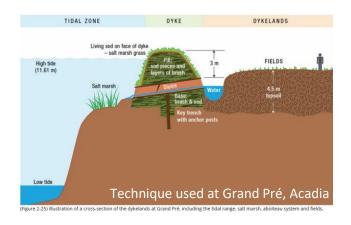
Acadiecology: Reinventing Acadia's Water Management Methods

Using Aboiteaux, Dikes, and Polders ("ADP") to capture more upland rainfall before it storms to the sea Creating new jobs, public procurement, and other ecological and economic opportunities across the world



A. THE ANCIENT ACADIAN TECHNIQUE

Using the ancient technique, here in reverse, to help nature slow surface flows in upland areas.



Will greater moisture retention Polders catch, hold. also reduce the threat of fire, and slow water in when polders and aboiteaux staged terracing are used in forests and uplands? Nutrient-laden pond English "leaky dams" and dike using softwood and creek flows are weaveware aboiteaux slow water passing filtered when sinking through ditches & channels, letting it percolate into wetlands & sub through soil to aquifers and streams surface aquifers Larger aboiteaux quickly release large volumes on demand Farmed fields have surface slope to speed water flows to dikes

B. COULD THIS SAFELY SLOW WATERSHED RUN-OFF?

C. CONCEPT for THE WORLD: NEW TRADES

New industry with thousands of new jobs

- · Local knowledge and skills for maintenance
- Summer jobs for thousands of students

Trades' Certifications & Certificates

- Master Upland Polderer
- Upland Polderer Supervisor
- Apprentice Polderer
- License: Prov. Polder, Dike, & Aboiteaux Builder
- License: Prov. Polder, Dike, & Aboiteaux Inspector
- License: Prov. Softwood Weaveware Production
- License: Upland Watershed Run-Off Management

Concept: Mission-driven Technical Training

- Technical College Training programs
- Canada: Regional Programs:
 - Atlantic
 - o Quebec
 - o Ontario
 - Prairies/Pacific

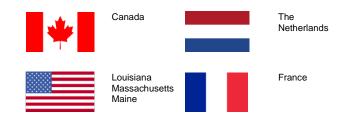
Evangelizing / "Evangeline"-izing*

- Teach nationally and internationally
- Cross-cultural low-impact eco-tech exchanges

D. CELEBRATING OUR COMMON HERITAGE

Celebrate ancient Acadian/French/Dutch heritage

- A method to build national capacity
- A new international 'water capture dialogue'



E. USEFUL FOR MANY COUNTRIES?

Research is needed to assess effectiveness/risks

Softwood Off-Cuts: Useful in dike weaveware?

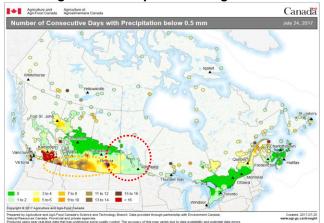
"Weaveware" = natural materials refashioned into a baffle laid in the heart of the barrier

- Restrict use to domestic weave applications
- Domestic softwood off-cuts should not be treated
- Banned from export to protect foreign forests from any cross-contamination risks
- Off-cuts should not be charged a disposal fee as this is recycling into a useful ecological product

^{*} Note the tourism opportunities that parallel what Anne of Green Gables has done for PEI, Canada

E. IMPLICATIONS

Directing waters to aquifer recharge



Method is adaptable to a wide variety of landscapes

ADP materials will be locally site-sensitive

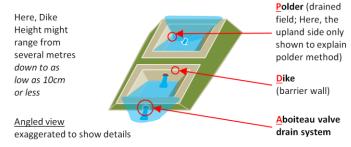
<u>Concept</u>: Forest Fire Prevention Tax Credit (FFPTC)

- Annual Federal Tax Credit to re-use woodland ignition sources
- Obtained by property owners in provinces and territories
- Designed to produce moisture retention and fire breaks
- FFPTC = Base Calculation + Certified Proof of Work Performed Note: Would not include controlled burns for fire management

Concept: Aquifer Recharge Tax Credit (ARTC)

- Annual Federal Tax Credit for measureable contributions
- Assigned to property owners in provinces and territories
- Aquifer recharge is the service provided by the landowner
- Service <u>provided to public bodies</u> (Federal Crown, First Nations)
- ARTC = Base Calculation + Certified Proof of Work Performed

Infrastructure Spending



- ADP concept reinvents the historic Acadia technique
- Will the solution concept aid cities and recharge regional aquifers?
- May solve a threatening, clear and present danger to water supply
- Creating thousands of jobs and certification at many labour points
- Training expertise that is exportable to neighbouring regions
- Training expertise for international students and agencies

Precipitation Water Capture & Protection

- Could this enlist landowners to protect vital water resources?
- Could thousands of local owners obtain multi-decade contracts?
- Or, ADP tax credit contracts assigned to property as an easement?
- Protectable domestic supply chain method to protect watersheds?
- New income for millions of small farms and property owners?

Concept: "Acadiecology" Surface Waterflow Maintenance

- Weaveware = steady procurement?
- Each Province, Region, or State creates Weaveware contracts?
- Producing steady domestic demand for manufactured Weaveware?
- New domestic supply to public and private domestic markets?
- Locally ecologically restricted to protect local flora & fauna?



Public Water Assets - Concept Note for Canada

- Water would <u>not</u> be redefined as private property
- Easement defined as not able to be owned by foreigners
- FFPC and ARC income not claimable by foreigners
- Easement Stewardship Responsibility continues in perpetuity
- Tax Credit income reverts to Crown when a foreign-controlled corporation acquires control of real property receiving drainage and/or discharge

Sources:

ADP History

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Climate

http://www.agr.gc.ca/DW-GS/current-actuelles.jspx?lang=eng&jsEnabled=true

Photo: "Cowichan Water" - Wildflower beside Water

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