

# Managing Coastal Erosion

What's happening now?



# EAC Erosion research

**2011**

30 Northumberland Strait  
Property Owners

## **Focus**

- Perceptions
- Current approaches
- Alternatives
- Communication strategies

**2013**

7 Northumberland Strait  
Contractors

## **Focus**

- Services offered
- Considerations
- Demand for alternatives
- Contractor knowledge  
and experience

# What do people care about?

- Their coastal property
- View, access, wildlife
- Concerned with rapid pace of change
- December 2010 storms
- Loss of property and infrastructure; no homes or cottages damaged yet



# What are people doing?

- 28/30 shoreline protection
- 24 rocks or boulders
- 4 vegetation and/or setbacks
- 4 supplemented rocks with vegetation



# Property Owner Satisfaction

Engineered---very satisfied

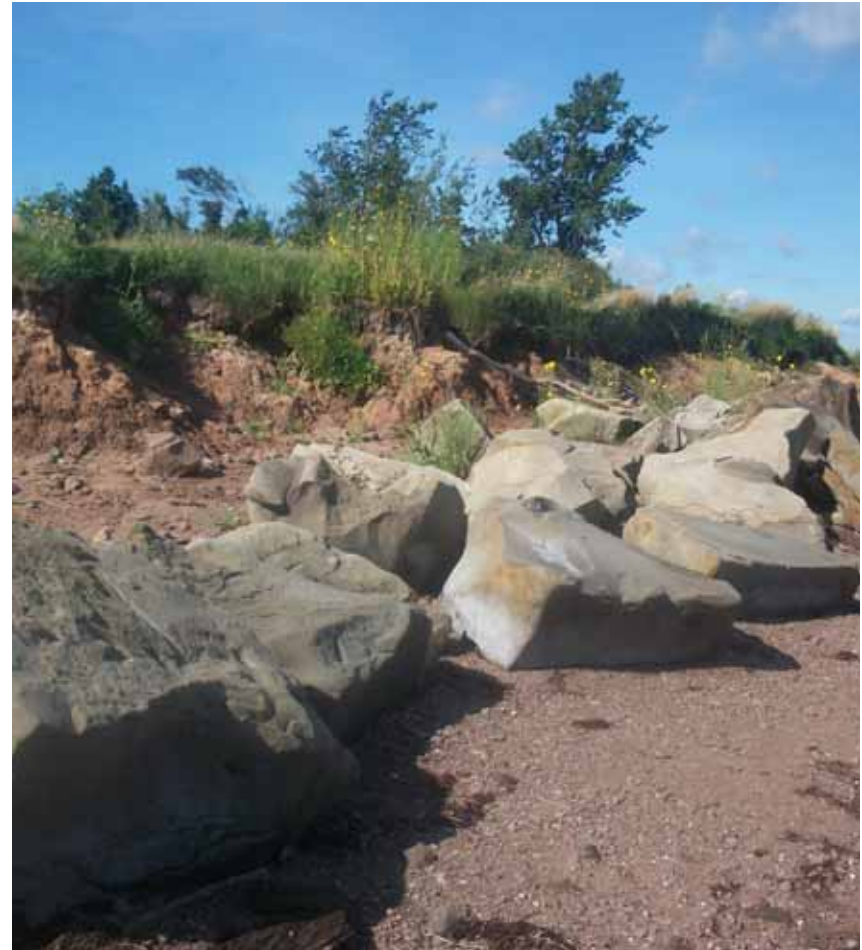
Placed-----Moderately

Vegetation---Moderately

- December 2010 storm damaged even engineered systems

- Northumberland Strait freeze/thaw cycle important factor

- Biggest impact: access



# Information sources

- 26 people got information from neighbours or contractors
- 2 contacted government
- 25 people believe essential to work with neighbours
- 20 people would consider vegetation if believed effective



# What are contractors hearing?



- 6/7 said demand increasing
- 6/7 used only boulders
- 4/7 said some requests for alternatives

## Key Factors

Bank heights

Bank slope

Site exposure

# Contractor Experience



4/7 no maintenance required  
4/7 boulders impact neighbours  
3/7 boulders have no impacts

Contractors high level of knowledge

- Run off and drainage
- SLR and extreme weather

Less Knowledge

- Sediment transport
- Appropriate vegetation
  
- 0/7 certification
- 7/7 knowledge and experience



# Information needs

## Property owners

- “How to” guides
- Locally relevant materials
- Information about salt tolerant plant species
- List of local resources, people, and suppliers

## Contractors

- Information about alternatives
- Locally relevant materials and guides
- Training

# Communication Approaches

## Property owners

- Community meetings
- Local workshops
- Displays and information in local restaurants or grocery stores
- Local media (stories, ads)
- Distribute brochures door to door
- Demonstration sites

## Contractors

- Workshops or seminars
- Certification course
- Field trips to demonstration sites

# Other thoughts

- Until now, government limited role in education and information sharing
- Distance and seasonal residents make outreach challenging
- Contractors value education and training opportunities
- 28/30 people support coastal setbacks



# We still want to know!

- What did we miss?
- How many shoreline stabilization projects are you doing annually?
- What is the extent of the shoreline hardening?
- How much are property owners paying?
- How long do they last?

