#### OVERVIEW OF TREATED TIMBER USE

#### Marine Applications In Atlantic Canada

Bruce Tuck, P.Eng

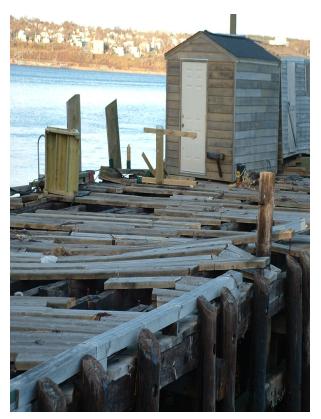
#### Overview of treated timber use

- Bruce Tuck, P.Eng.
  - Over 20 years experience in marine structures in Atlantic Canada
  - Former committee member of CSA 080
  - Personal perspective on treated timber based on experience

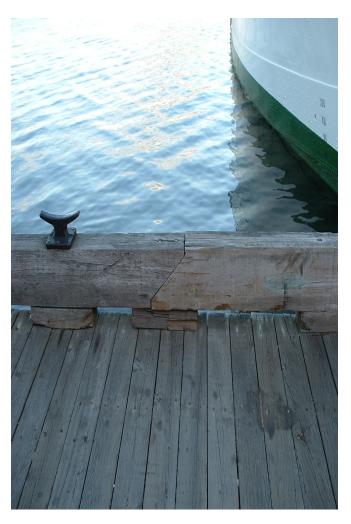
- Traditionally
  - Only form of material to construct wharfing facilities
  - Round logs
  - Creosote
  - Treated Timber ACA, CCA

#### Traits

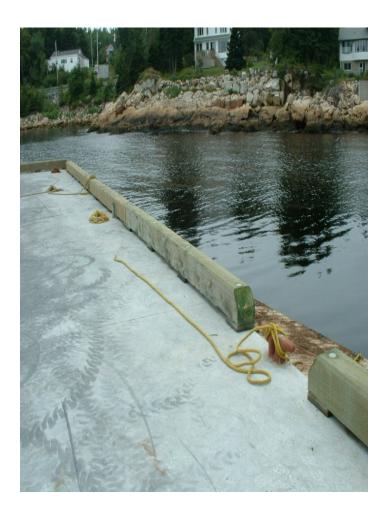
- Longevity
- Forgiveness
- Easy to rebuild



- Difficulties With Treated Timber
  - Field Cuts
    - Creosote
  - Wearing of the surface
    - Decks
    - Fenders



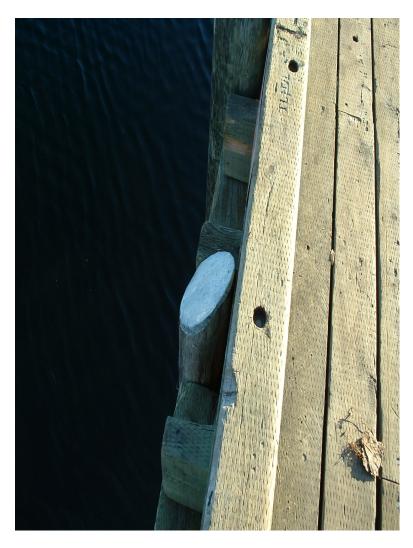
• Field Cuts



• Unprotected Fender Piles



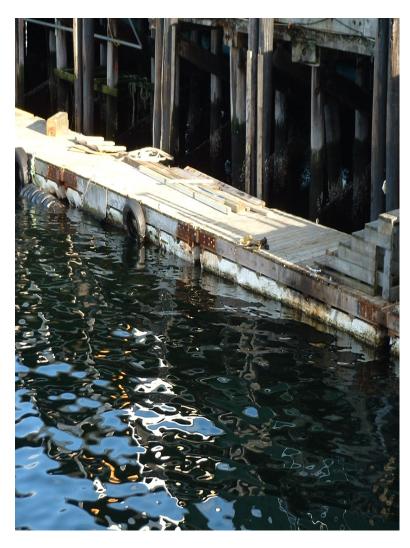
• Fender Pile Protection



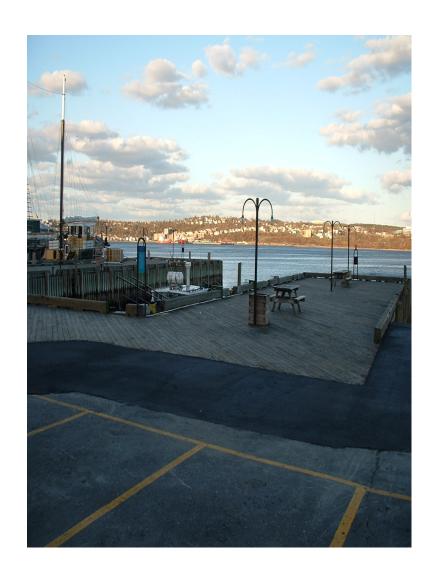
- Primary uses today
  - Floats
  - Tourism attractions
  - Personal wharves
  - Boardwalks



#### • Floats



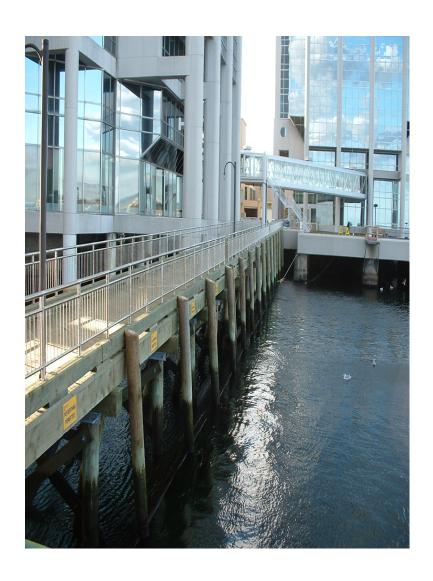
• Tourist Attractions



Personal Wharves



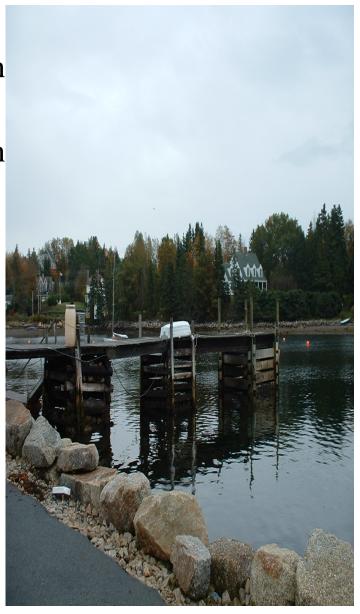
#### Boardwalks

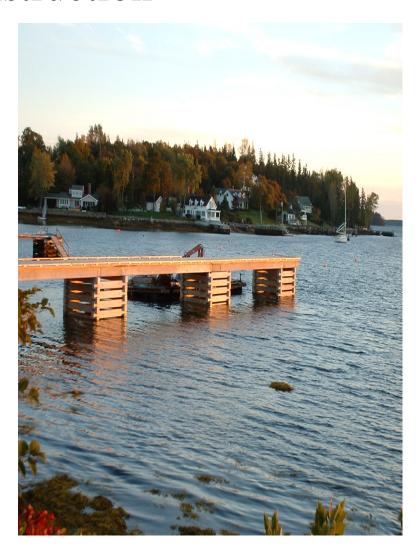


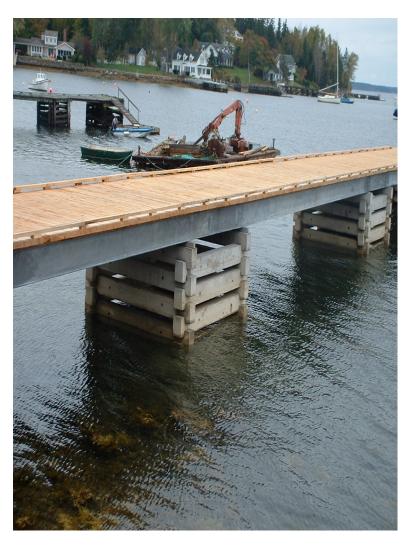
- Downfall of Treated Timber
  - Voice of concern is loud
  - Industry voice silent
  - Failed to complete background checks in harbours prior to installation of treated timbers

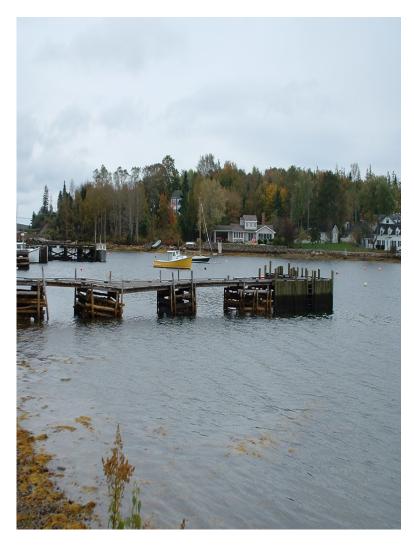
- Downfall of Treated Timbers
  - Vessels larger
  - Environmental concerns
  - Improvements in other materials
    - High strength concretes
    - Longer galvanizing beds

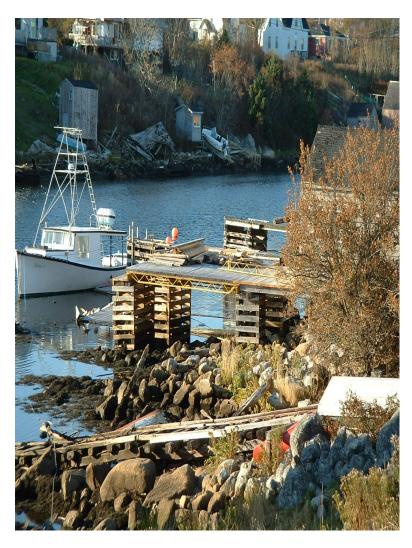
- Today's Trends
  - Improvements in other materials
  - Improvements in technologies
  - General trend away from treated timbers











- Downfalls global perspective
  - Vessels getting bigger
  - Traffic getting heavier
  - Advances in other materials
  - Environmental awareness

Forest Lands Coverage

Product Shifts

Certification

FAQ

Glossary

Other Sites to Visit

Alternative Product

Development

Green Products

E+ Program

Environmental Milestones

How You Can Make a

Difference

Consumer Education

Energy Efficiency

Energy Conservation and

Recycling

Reduce / Reuse / Recycle

Partnerships:

Investor Relations

Careers

Media Relations

The Home Depot Companies

тесустей пласелать

If a product at The Home Depot claims it has environmental benefits, you can be sure it does because we require manufacturers to submit their products to <u>Scientific Certification</u>

Systems, Inc to evaluate the accuracy of all claims.

#### Green Products List

The Home Depot offers many products that are environmentally sound choices for consumers. A few examples include:

- Finger-jointed moldings, casing trim and door framing that use smaller wood pieces leading to increased wood efficiency
- Paneling backed with chipboard that uses waste and falloff from manufacturing processes
- Royal Mahogany doors from an FSC certified forest in Costa Rica
- Plastic and composite decking materials
- · Insulation made from recycled glass or recycled newspapers
- Garden hoses made from recycled tires
- Flooring underlayment made from recycled newspapers
- Garden planters made from recycled shrink-wrap.
- Energy-efficient compact fluorescent bulbs
- Biodegradable, enzyme-based drain cleaners

- Summary
  - Trends in the use of Treated Timber
    - Recreational/Boardwalk facilities
    - Surficial marine applications
      - Fenders
      - Wheelguards
    - Slowly being replaced with other materials

