News from Out West

WESTERN WOOD PRESERVERS INSTITUTE

SHARLA MOFFETT, DIRECTOR OF GOVERNMENT RELATIONS

Western Wood Preservers Institute (WWPI)

- Represents preserved wood producers, preservative & wood suppliers and others serving the industry throughout western North America
- Mission

  Increase awareness of the proper use and disposal of preserved wood products by providing information to:

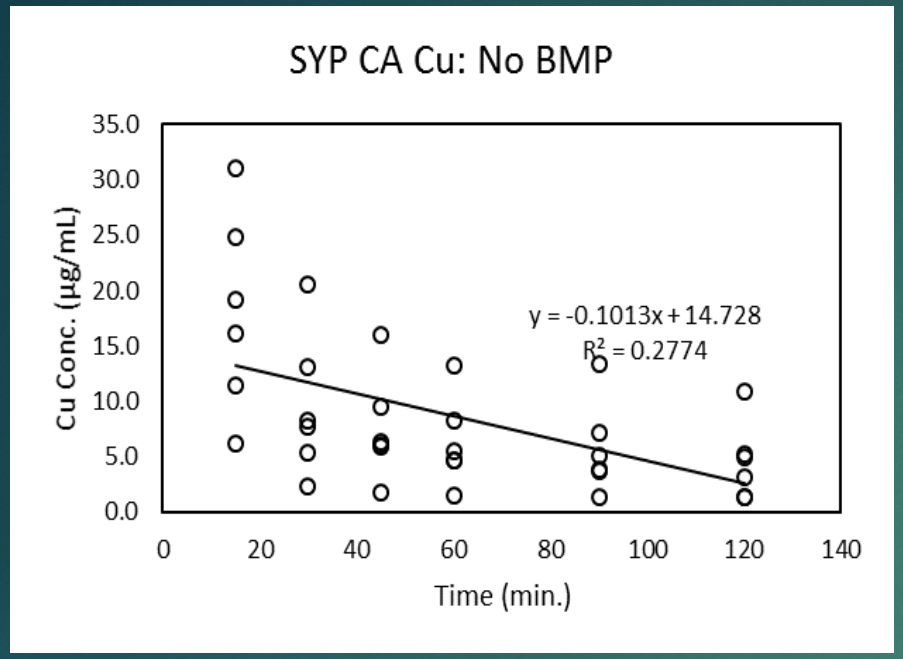
- Consumers
- Specifiers
- Builders
- Ports and Marinas
- Utilities
- Railways
- Regulators
- Legislators
- Code Officials

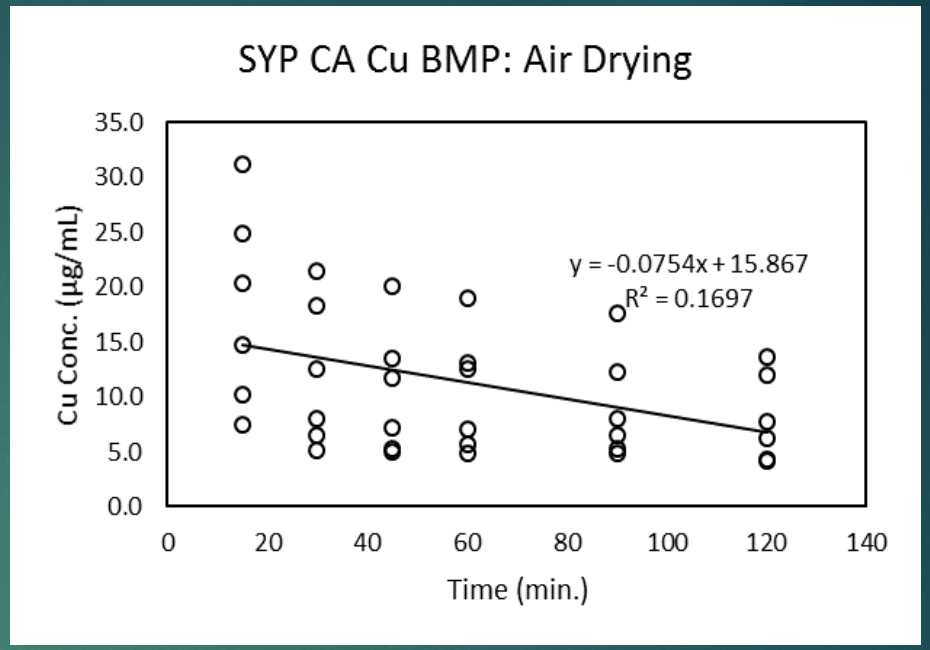
Oregon State University

College of Forestry

Environmental Performance of Treated Wood Cooperative

BMP Testing on Southern Yellow Pine


SYP CA Cu: No BMP
Cu Conc. (µg/mL)
Time (min.)
y = -0.1013x + 14.728
R² = 0.2774
0.0
5.0
10.0
15.0
20.0
25.0
30.0
35.0
0
20
40
60
80
100
120
140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Cu Conc. (µg/mL)
Time (min.)
y = -0.0754x + 15.867
R² = 0.1697
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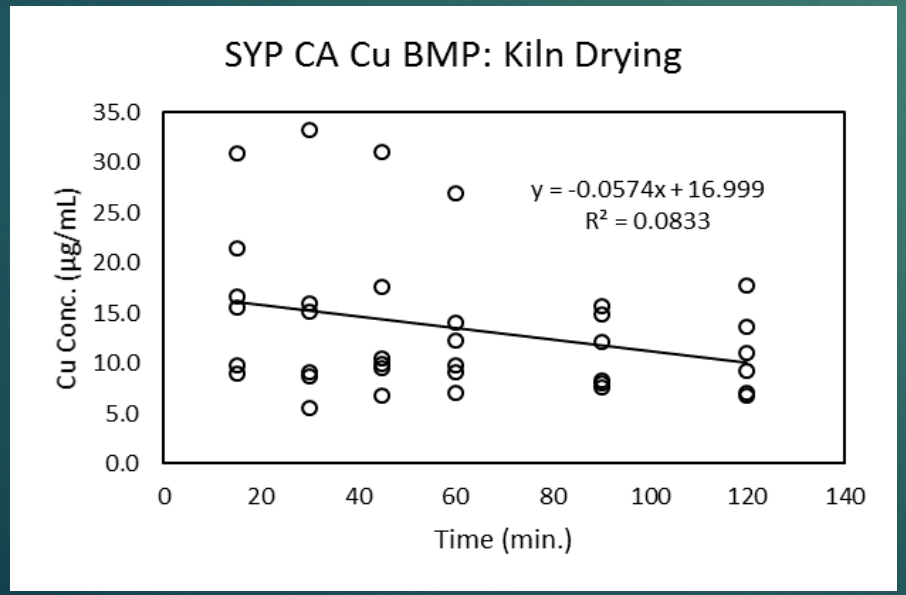
10.0
15.0
20.0
25.0
30.0
35.0
0
20
40
60
80
100
120
140


SYP CA Cu BMP: Kiln Drying
Cu Conc. (µg/mL)
Time (min.)
y = -0.0574x + 16.999
R² = 0.0833
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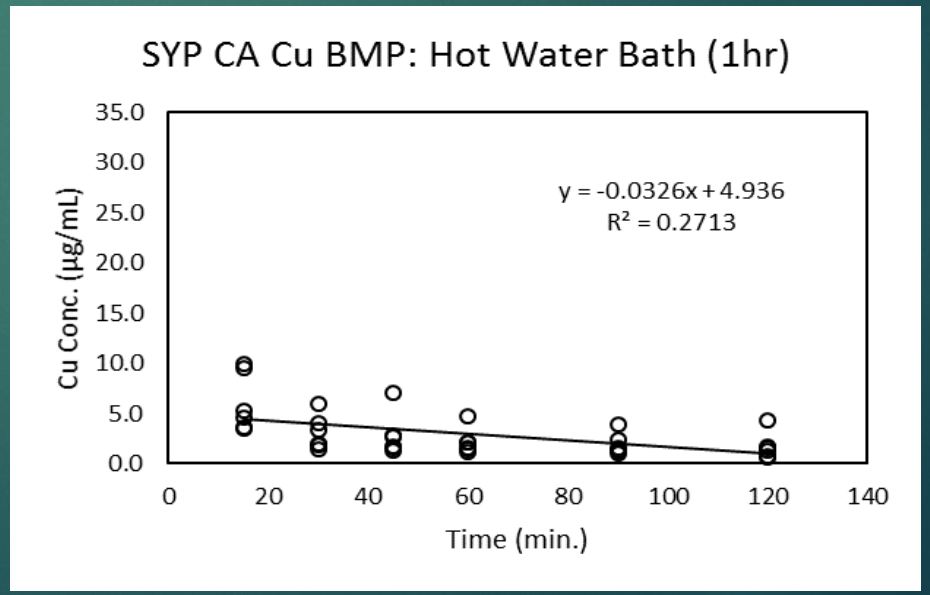
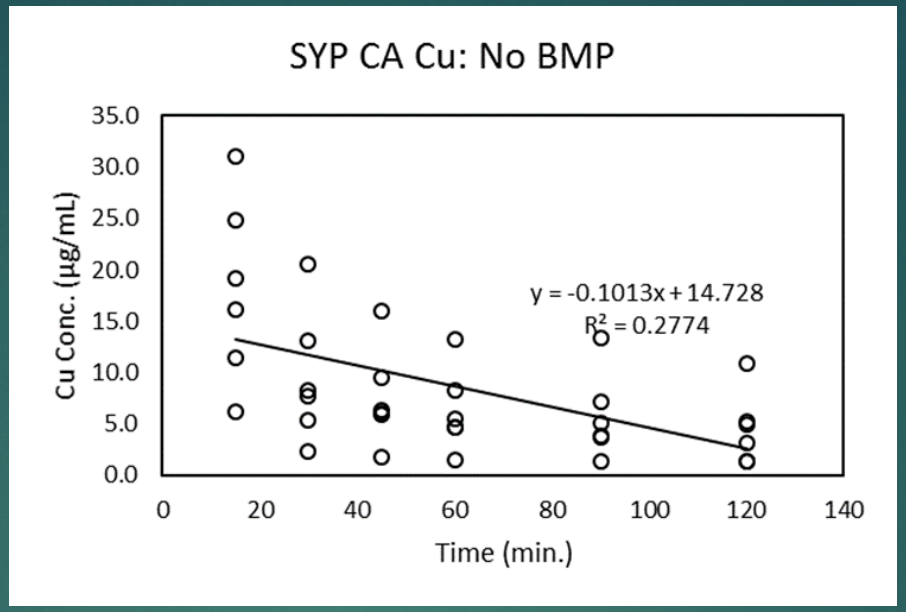
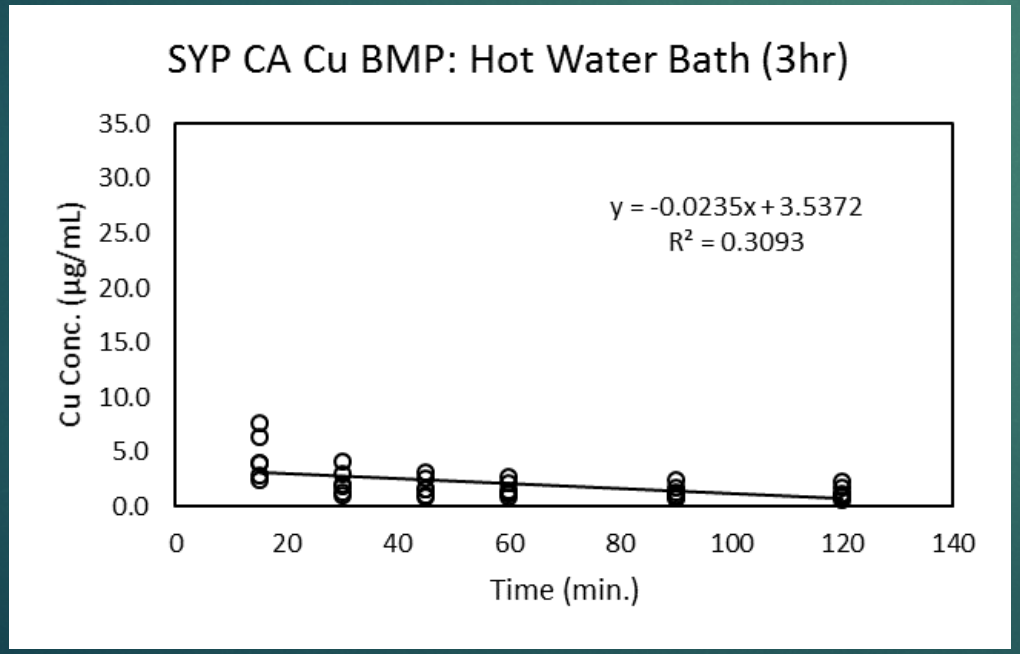
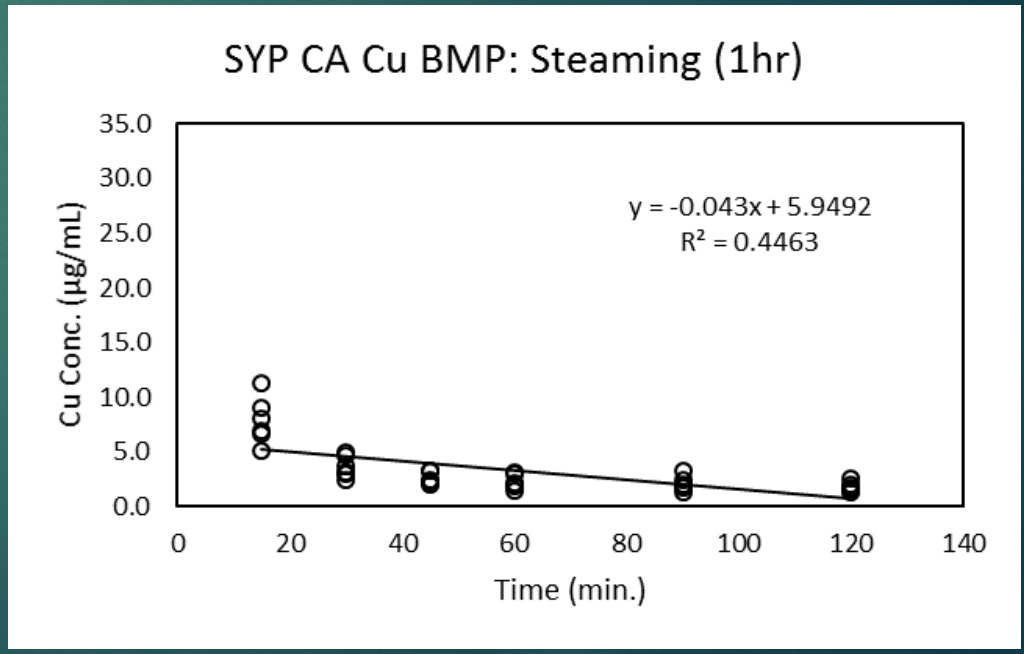
10.0
15.0
20.0
25.0
30.0
35.0
0
20
40
60
80
100
120
140


SYP CA Cu BMP: Hot Water Bath (1hr)
Cu Conc. (µg/mL)
Time (min.)
y = -0.0326x + 4.936
R² = 0.2713
0.0
5.0
10.0
15.0
20.0
25.0
30.0
35.0
0
20
40
60
80
100
120
140


SYP CA Cu: No BMP
Cu Conc. (µg/mL)
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
0
20
40
60
80
100
120
140
Time (min.)
y = -0.1013x + 14.728
R² = 0.2774


SYP CA Cu BMP: Hot Water Bath (3hr)
Cu Conc. (µg/mL)
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
0
20
40
60
80
100
120
140
Time (min.)
y = -0.0235x + 3.5372
R² = 0.3093


SYP CA Cu BMP: Steaming (1hr)
Cu Conc. (µg/mL)
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
0
20
40
60
80
100
120
140
Time (min.)
y = -0.043x + 5.9492
R² = 0.4463

Copper Azole BMP Conclusions

- SYP losses higher (retention a factor)
- Almost any heat treatment reduced losses
- Ammonia had a marked effect on losses

48-MONTH REPORT

Performance of Selected Wood-Protection-Coated Lumber Products in Hilo, Hawaii

Submitted to
Dallin Brooks, Executive Director
Western Wood Preservers Institute
Vancouver, Wash.

by

Jeffrey J. Morrell
Department of Wood Science & Engineering
Oregon State University
Corvallis, Ore.

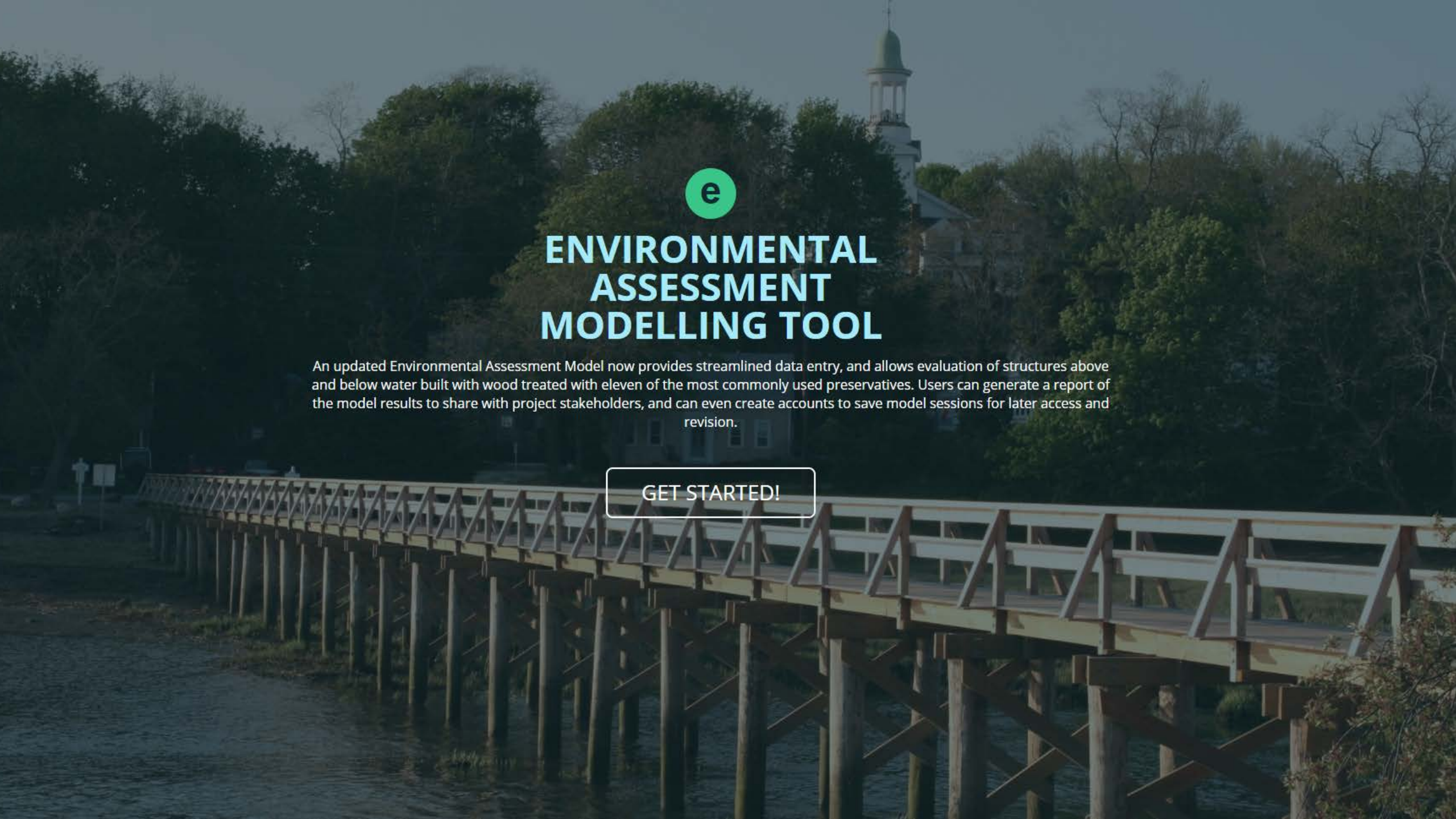
Figure 7. *Example of an Eco Red Shield I sandwich with extensive decay on the outer sample after 30 months of exposure. Interestingly, this sample remains in service and has not continued to decay beyond this stage.*

Table 6. *Condition of various wood samples exposed for 18 to 48 months as sandwiches in an above ground test in Hilo, HI*

Treatment	*Average Condition*					
	18 months	*24 months*	*30 months*	*37 months*	*42 months*	*48 months*
Control	9.90 (0.23)	9.75 (0.42)	9.40 (1.30)	9.60 (0.90)	8.65 (2.04)	8.50 (1.74)
Eco Red Shield I	9.47 (0.27)	9.02 (0.72)	8.90 (0.98)	8.60 (1.03)	7.57 (1.64)	7.07 (2.04)
BluWood	9.90 (0.18)	9.89 (0.27)	9.90 (0.18)	9.80 (0.20)	9.43 (0.65)	9.40 (0.40)
Timbersil	9.90 (0.18)	9.83 (0.33)	9.40 (0.57)	9.50 (0.40)	7.57 (1.50	7.67 (0.93)
Copper Azole	10.00 (0.0)	10.00 (0.0)	10.00 (0.0)	10.0 (0.0)	9.93 (0.21)	10.00 (0.00)

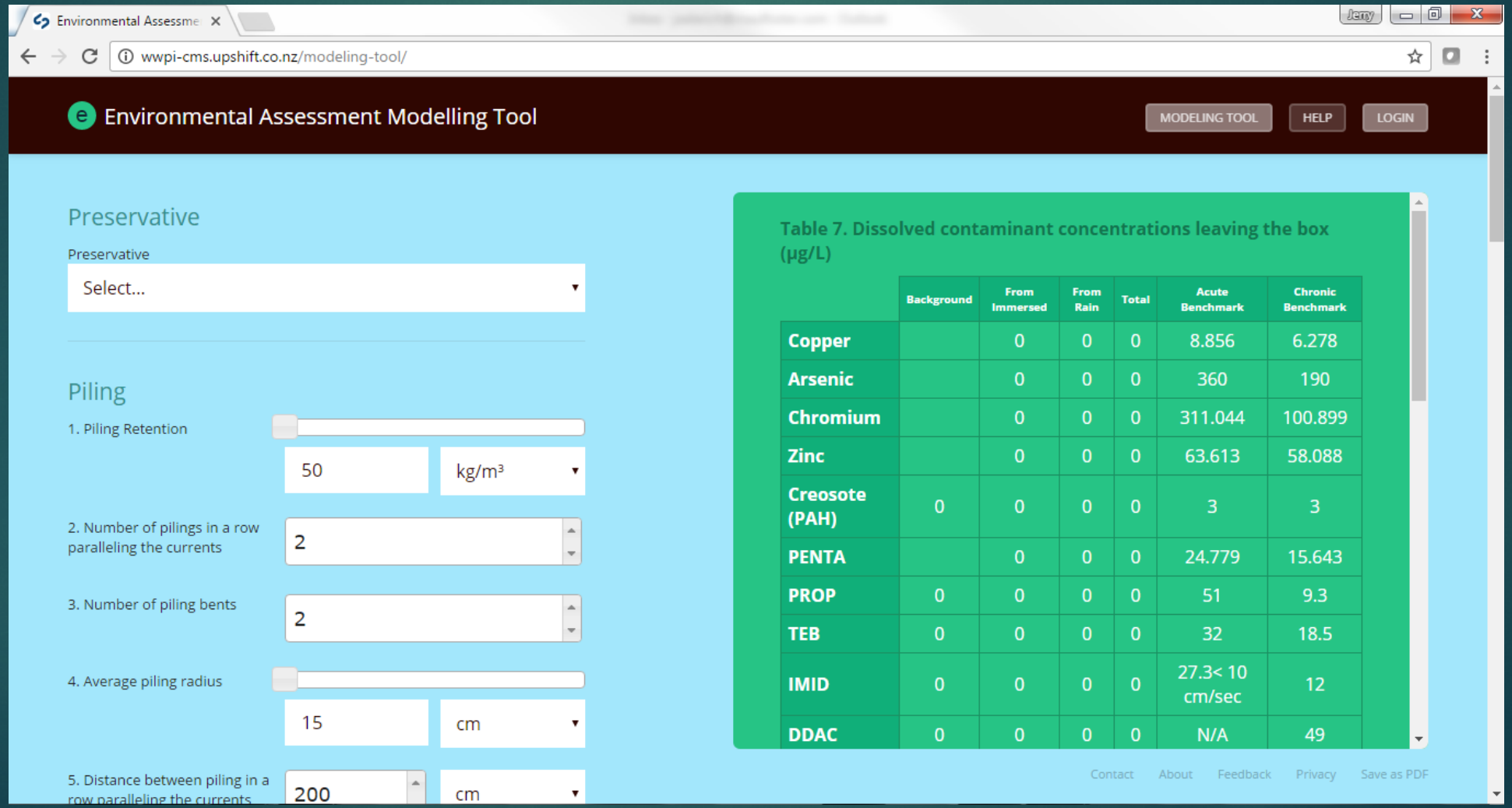
[a]Samples were visually assessed on a scale from 10 (no damage) to 0 (complete failure). Values represent means of 10 samples, while figures in parentheses represent one standard deviation.


Specifiers Guide
Best Management Practices
For the use of preserved wood in aquatic and sensitive environments
Cafe
Developed for the U.S. and Canada by:
Western Wood Preservers Institute • Southern Pressure Treaters' Association
Southern Forest Products Association • Wood Preservation Canada • Creosote Co
Production Guide
Best Management Practices
For the use of preserved wood in aquatic and sensitive environments
Developed for the U.S. and Canada by:
Western Wood Preservers Institute • Southern Pressure Treaters' Association
Southern Forest Products Association • Wood Preservation Canada • Creosote Council


e
ENVIRONMENTAL ASSESSMENT MODELLING TOOL
An updated Environmental Assessment Model now provides streamlined data entry, and allows evaluation of structures above and below water built with wood treated with eleven of the most commonly used preservatives. Users can generate a report of the model results to share with project stakeholders, and can even create accounts to save model sessions for later access and revision.
GET STARTED!

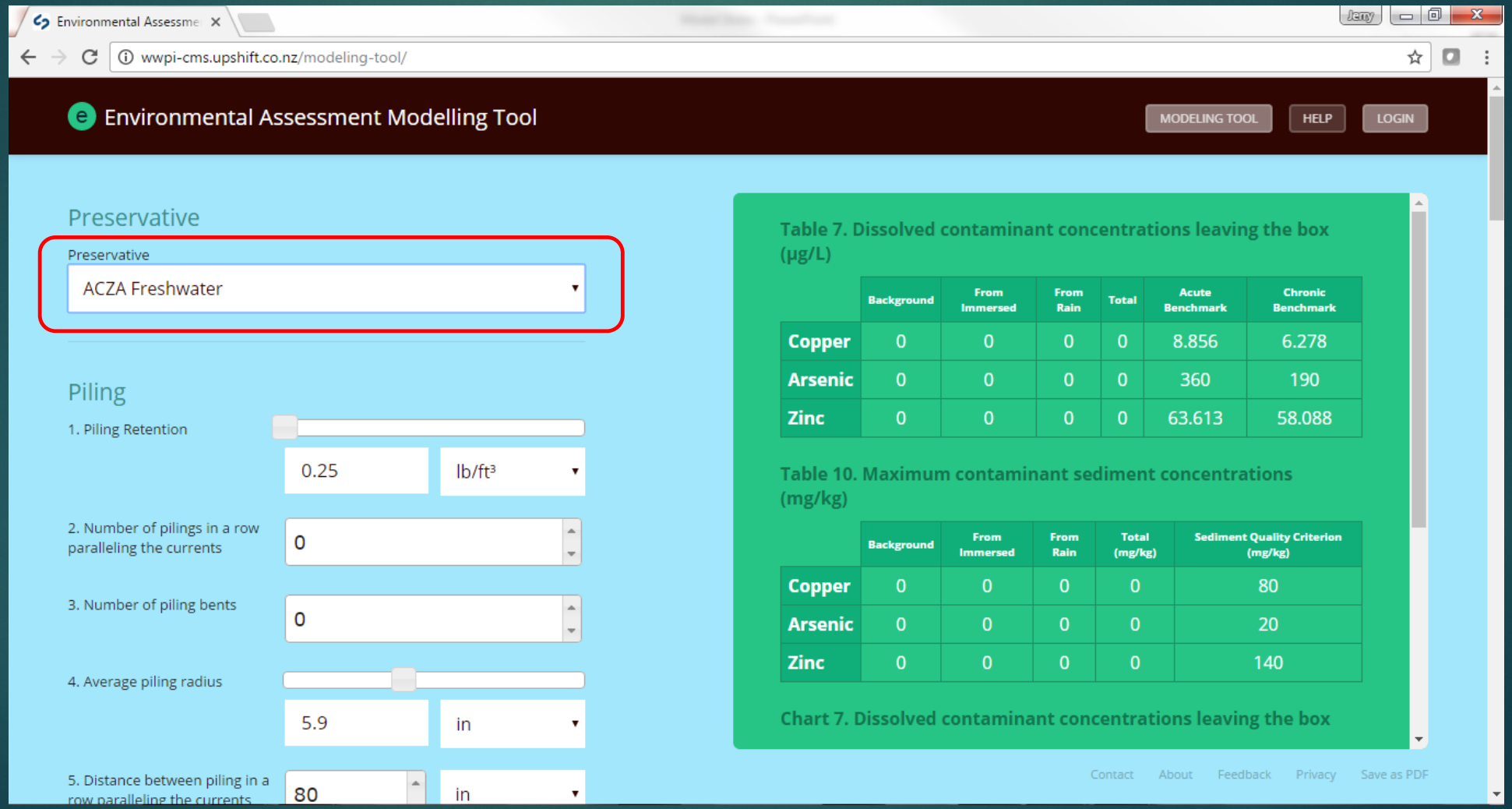
New Web Platform for Model

- Easy access and simple user interface
- Ability to save sessions and auto-generate results report



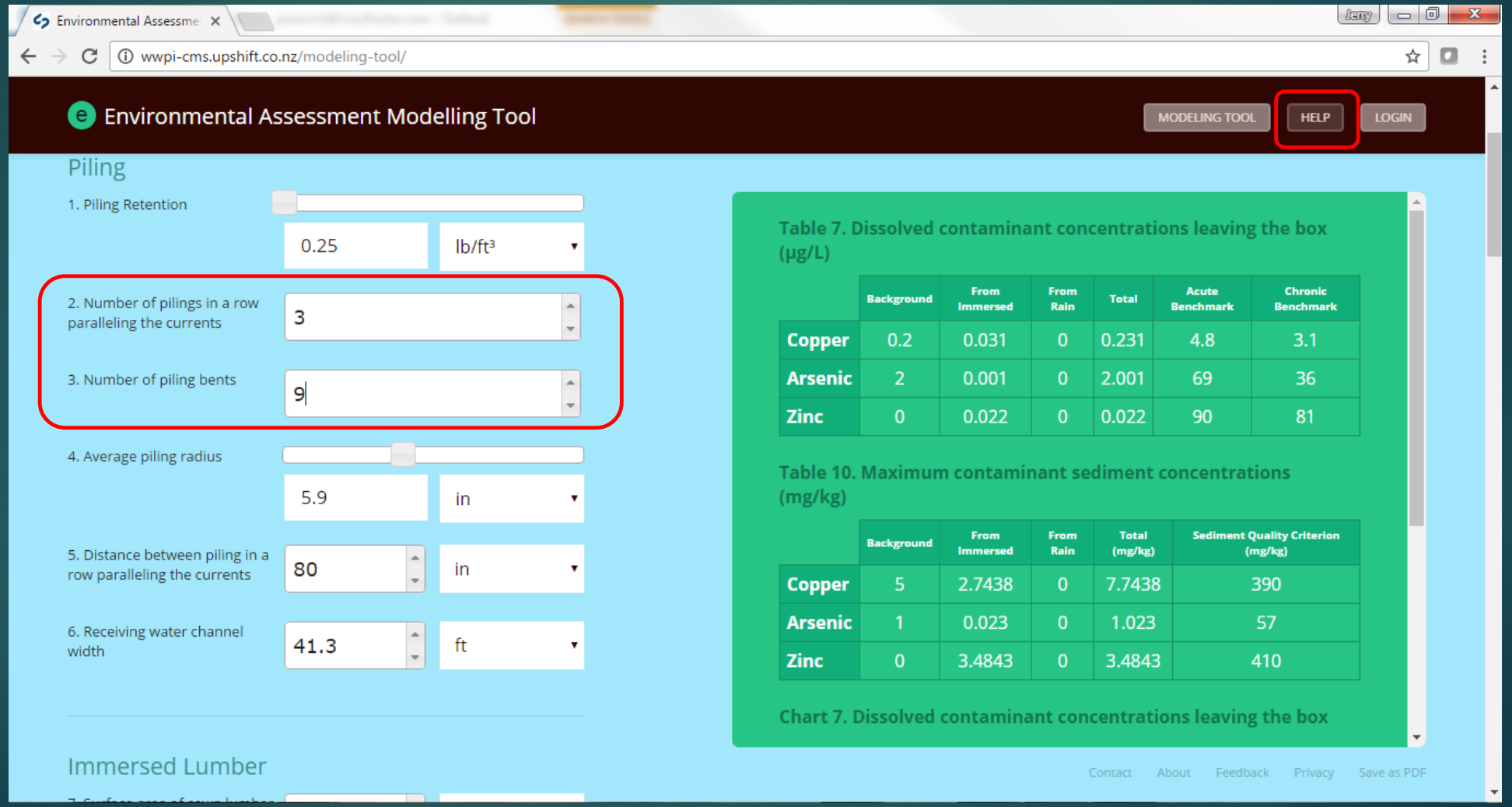
Project Inputs: Select Preservative

- Dynamic results show estimated downstream water and sediment concentrations for relevant contaminants



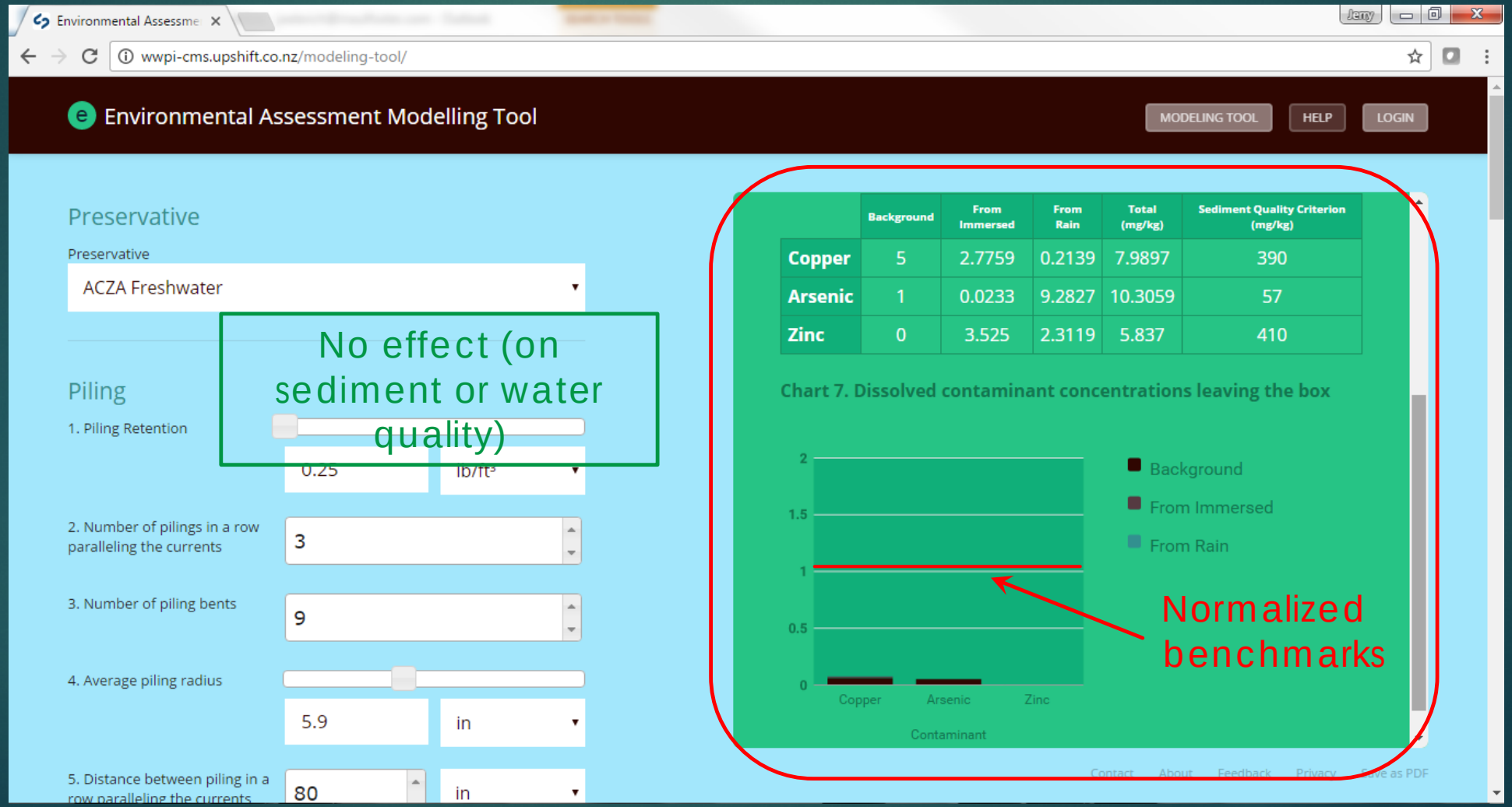
Project Inputs: Material and Amount

- Number of pilings in a row, and piling bents
- Hover-over help and more detailed definitions available



Review, Save, and Print Results

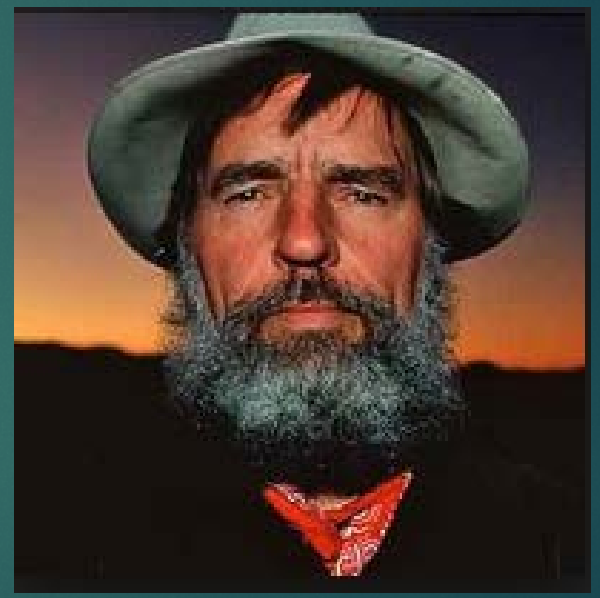
- The model shows a "no effect" determination
- *You can use treated wood on your project!*



Legislative/Regulatory Updates

"There is science, logic, reason; there is thought verified by experience. And then there is California."

Edward Abbey
Environmentalist



Prop 65
Clear and Reasonable Warning Regs

- Ballot measure passed by California voters in 1986
- Prop 65 is the most comprehensive consumer right-to-know law in the country.
- Major goal of rulemaking was to reduce blanket Prop 65 statements to "cover everything."
- Governor Brown wanted to make warnings more meaningful and help consumers make informed buying decisions.
- New safe harbor warning requirements enforceable on August 30, 2018 but companies may comply with updated warning requirements now
- Products *manufactured* on August 30 or after *must* comply with new regulations

Raw Wood Warning Label or Signage

 **WARNING:** Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to www.P65Warnings.ca.gov/wood.

*Wood dust has its own dedicated “Methods of Transmission” and “Content” – must be used for safe harbor protection

Treated Wood Waste Disposal

- Bill originally passed in 2004 to address unique issues surrounding disposal of treated wood waste.
- Classifies treated wood waste as non-hazardous waste if it is reported and disposed in a Class II or III composite-lined landfill.
- Most recent statute required a study on compliance and required inspections of 25% of TWW generators.
- Worked with Cal Department of Toxic Substances Control to help inspectors identify TWW.
- Compliance report due to legislature on July 1, 2018.
- Current statute expires in 2020—will begin working on reauthorization at the end of this year.

Projects Using Preserved Wood: Corps of Engineers and National Marine Fisheries Service

- Standard Local Operating Procedures for Endangered Species (SLOPES) provides programmatic biological opinion coverage where ESA-listed species are present in aquatic environments.
- Since 2012 in the Corps Portland District, any in-water or over-water project using preserved wood was, for all intents and purposes, prohibited.
- Two years ago, began working with NMFS on updates to SLOPES to get coverage for preserved wood.
- As a result of our work, there was a narrow inclusion of treated wood in their recent FEMA biological opinion.

NMFS/FEMA Biological Opinion Materials Included

- New CCA- and ACZA-treated piles wrapped or covered with American Wood Protection Association approved barrier systems.
- No unwrapped treated piles are approved by the biological opinion.
- No oil-borne preservatives are allowed.
- No treated decking or understructure is allowed.
- Maintenance inspection program must be implemented to determine when repairs are necessary.
- Incremental progress is the name of the game in the West.

WOOD THAT LASTS™
PRESERVEDWOOD.ORG

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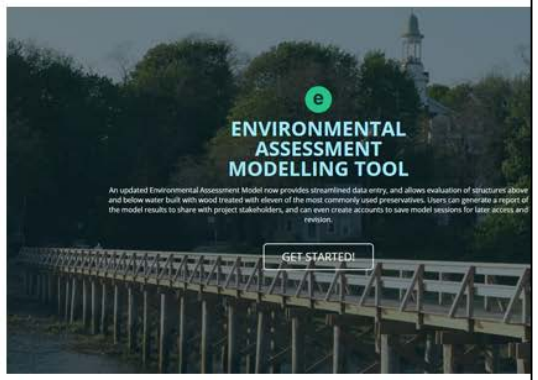
What's New

Online model guides preserved wood selection for aquatic uses



Determining any potential impacts from using preserved wood in aquatic or sensitive environments is now easier with a new, user-friendly Environmental Assessment Model.

The online model streamlines the process of modeling the conditions for a project to estimate the potential migration of preservatives from preserved wood immersed or over water. It is based on pioneering research by Dr. Kenneth Brooks and has been peer reviewed, repeatedly field proven to protect the environment.

The model, which is also available as an Excel spreadsheet, has been used by the National Oceanic

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- Technical Archive

Specifying Preserved Wood

UPDATED! Treated Wood Guide smartphone app
App for smartphones and tablets that puts information to select the right preserved wood products right in your hand. Available for Apple iOS and Google Android smartphones and tablets and can be dowloaded from the respective app stores.
Free app

GET THE APP

Preserved Wood: Wood That Lasts
Full-color overview of Western preserved wood uses, standards, quality assurance, preservatives and environmental benefits.
8 pages, 12/16

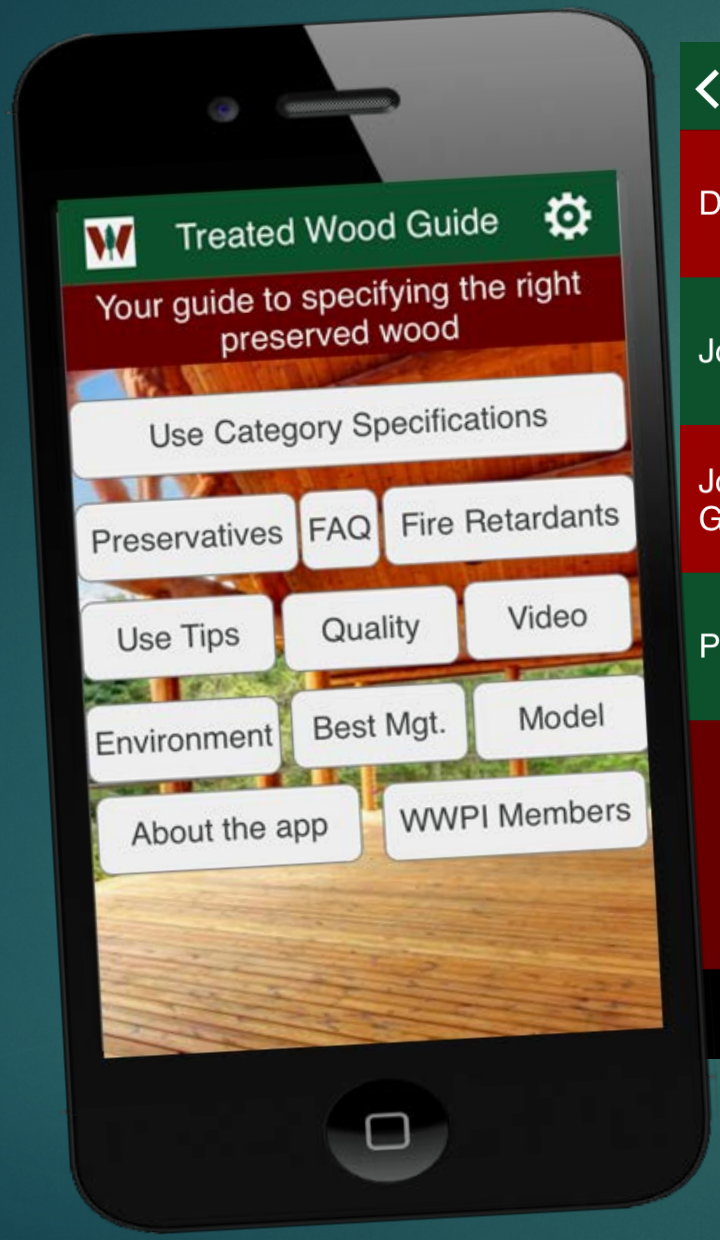
PDF Adobe DOWNLOAD

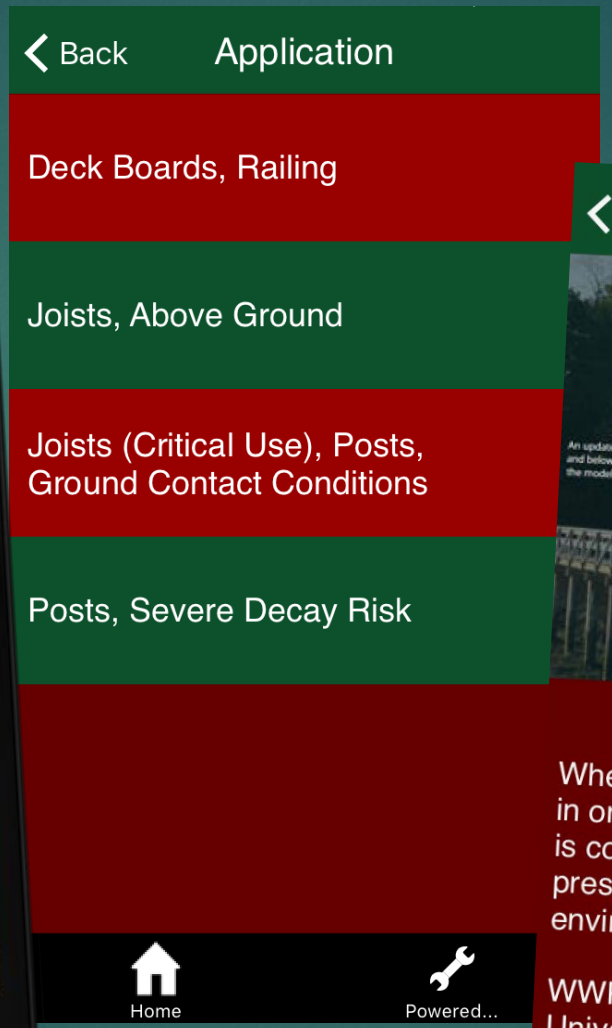
NEW! PreserveSpec - Specifying with AWPA Use Categories
Detailed information on how to specify Western preserved wood for residential construction with the AWPA Use Categories. Includes current Use Category definitions, service conditions, preservatives, required rentions for specific applications and an infographic for typical residential uses.
4 pages, 09/17

PDF Adobe DOWNLOAD

NEW! Preserved Wood Infographic
See the typical uses of preserved wood in a residential setting in this infographic. Developed through the AWPA Education Task Group, the infographic provides guidance in selecting the right preserved wood for common uses around the home.
2 pages, 05/17

PDF Adobe DOWNLOAD


Treated Wood Guide
Your guide to specifying the right preserved wood
Use Category Specifications
Preservatives
FAQ
Fire Retardants
Use Tips
Quality
Video
Environment
Best Mgt.
Model
About the app
WWPI Members


Back
Application
Deck Boards, Railing
Joists, Above Ground
Joists (Critical Use), Posts, Ground Contact Conditions
Posts, Severe Decay Risk
Home
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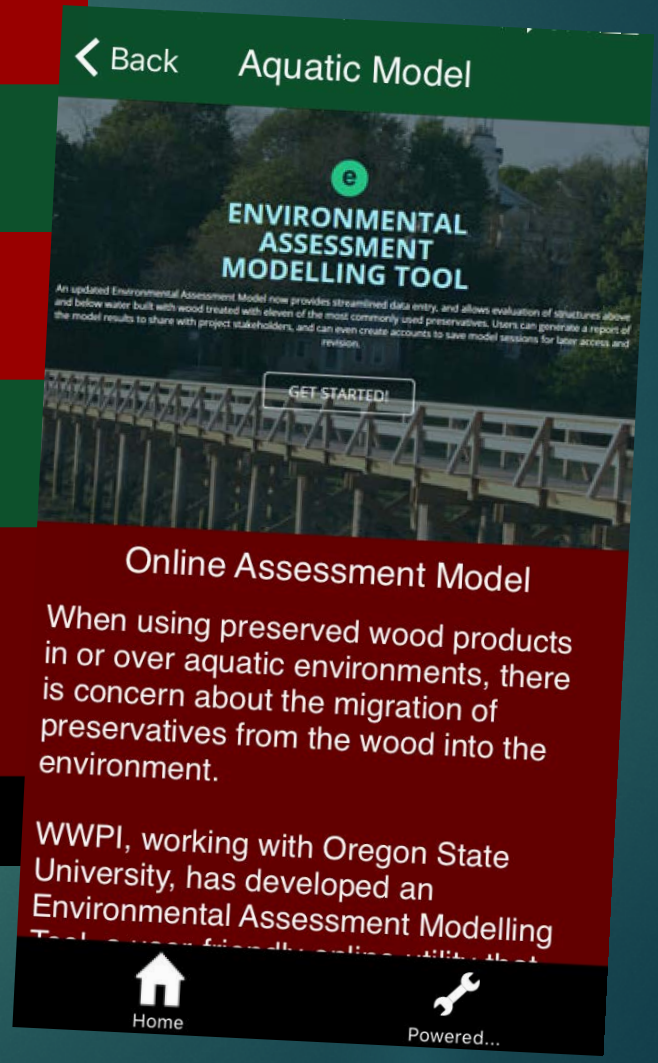
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Aquatic Model
ENVIRONMENTAL ASSESSMENT MODELLING TOOL
GET STARTED!
Online Assessment Model
When using preserved wood products in or over aquatic environments, there is concern about the migration of preservatives from the wood into the environment.
WWPI, working with Oregon State University, has developed an Environmental Assessment Modelling
Home
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