

## BONDING WITH YOUR WATERSHED THE WATERSHED GAME



Presentation by  
John Bilotta,  
Jesse Schomberg,  
and  
Cindy Hagley

NEMO U7  
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## Sure 007 had secret weapons




## The Watershed Game from Northland NEMO

## The Watershed Game



THE WATERSHED GAME IS ACTION!

EVERYTHING the WSG TOUCHES on


EXCITEMENT turns to  
ENGAGEMENT - EDUCATION



The WSG pushes a button of opportunity.

*And its G rated!*

## Northland NEMO's Watershed Game





- 📁 Interactive tool that builds knowledge and understanding
- 📁 Connection of land use to water quality
- 📁 Application of 3P's
  - Planning
  - Practices
  - Policies
- 📁 Choices can prevent adverse impacts
- 📁 Achieve a 'clean water goal' (NPDES, TMDL)
- 📁 Designed for local elected & appointed leaders

Local leaders say yes...

By participating in the Watershed Game, we have seen that cooperation between land use management is essential.

*"It helped me understand the regulations that are in place. I can take better care of my property and better to residents."* (M...)





**a 007 !**

**What will local leaders do as agents of change in their community?**

“I will continue to examine development proposals critically with regard to watershed impacts and the need to include more stormwater & shoreline BMPs – but even more assertively.”

“I will meet with my city staff and colleagues to learn more about our regulations and whether we are doing the best as we can to protect our waters.” (City Council Member, MCWD)

**The NEW versions of the Watershed Game**

- ☛ Completely redesigned in 2008-2009
- ☛ Stream or “watershed” model
- ☛ Lake model
- ☛ Big River model
- ☛ Game Boards 3 x 6 feet
- ☛ Fit together in sequence

**Stream “watershed” model**

LAND USE TEAMS

VISIBLE PROBLEMS

SCORECARD

Total Pollutant Load Allowed to Stream
Total Game Points
Round 1
Round 2
Round 3

Laminated

Dry-erase makers

Color-coded

Full instructions

*and the newest member to arsenal*

The Watershed Game Lake Model

*Can't have a game without game pieces*

NEW phosphorus and sediment !



## Chances and Opportunities *Unanticipated events*



- 2 EAB

"We knew it was coming. The non-native beetle, Emerald Ash Borer (EAB), has invaded your community's trees. The cost of removing infested trees and replanting will cost you 2 candies." and "Oh no! Because you were slow to contain the infestation, each adjacent land use is also affected and must give up 1 candy."



Implemented by Facilitator as needed

## 007 Reasons why the WSG has been effective

1. History & peer review
2. Interactive
3. Venues of use
4. Train-the-trainer
5. Continued support & reporting
6. Evaluation
7. Adaptable

### 001. History

- ▣ 2006 *watershed version*
  - U of WI - Superior, Minnesota Sea Grant, Minnesota's Lake Superior Program, Wisconsin Coastal Management Program, and WI DNR.
  - *A View from the Lake program*
- ▣ 2007 *big river version*
  - Mississippi WMO, Minnesota Sea Grant, U of MN
- ▣ 2008-09 all new versions
  - Stream, Lake, and Big River
  - Northland NEMO
  - Peer review

## 002. Interactive – engaging – fun – discussion – goal-orientated




## 003 Venues – use it anywhere!



## 004. Train-the-trainer program


43 trained Watershed Game Facilitators

Local educators from SWCDs, watershed districts, county government, and state partners

3 train-the-trainer sessions held to date



## Watershed Game Train-the-trainer

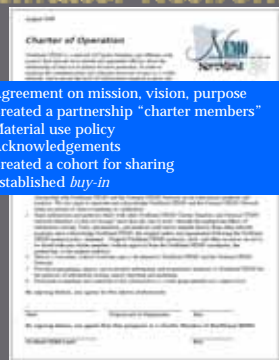


- ☛ 86 % of educators who participated in the training indicated they were very ready to lead the WSG with local decision makers!
- ☛ ~50% were ready to solo
- ☛ ~50% preferred to co-facilitate
- ☛ *So what do you do?*

## 005. WSG Facilitator Network

- ☐ Charter
- ☐ Website
- ☐ Constant contacts
- ☐ Reporting

Agreement on mission, vision, purpose  
 Created a partnership "charter members"  
 Material use policy  
 Acknowledgements  
 Created a cohort for sharing  
 Established *buy-in*



## 005. WSG Facilitator Network

- ☐ Charter
- ☐ Website
- ☐ Constant contacts
- ☐ Reporting

- ☐ List of trained Facilitators & contacts
- ☐ Where WSG can be found
- ☐ Fact sheets
- ☐ Instructions
- ☐ Dates of future & past use




## 005. WSG Facilitator Network

- ☐ Charter
- ☐ Website
- ☐ Constant contacts
- ☐ Reporting

Monthly/bi-monthly meetings

Advanced WSG Facilitator Training (tbd) 1 year later



## 005. WSG Facilitator Network

- ☐ Charter
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- ☐ Constant contacts
- ☐ Reporting

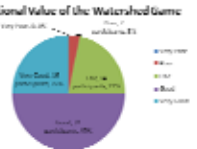
Survey Monkey with no close date

1-page form

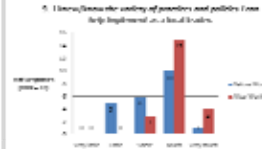


## 006. Evaluation

**1. Educational Value of the Watershed Game**



**2. Interest/Value in learning of procedures and policies from digital format vs. a local teacher.**



- ☛ Name two concepts or ideas you learned as a result in participating in the Watershed Game workshop:
- ☛ What has this workshop inspired you to do? Give an example of how you will apply information learned tonight as a local decision maker, elected official, or community leader:

## 006. Evaluation

- ☛ Its just what we do. Standard protocol.
- ☛ Distribute "standard evaluation questions" to WSG Facilitators.
- ☛ Use of similar evaluations for program-to-program so we can compile results.
- ☛ Participants "ticket" for take home packet
- ☛ Turning Point technology
- ☛ Education value knowledge gained, intended action, what participants need to take action.

## 007. Adaptable

- ☛ Topic & content
- ☛ Objectives
- ☛ City, watershed, multiple states

**North Carolina "Estuary version"**  
*as a result of NEMO U6*

- ☛ Coastal Growth Strategies Training
- ☛ 2009, 2010
- ☛ Local decision makers & realtors



## A world of uses



- ☛ 27 copies located with trained facilitators across Minnesota
- ☛ 2010 = +450 participants\*

<ul style="list-style-type: none"> <li>☛ Minnesota</li> <li>☛ Wisconsin</li> <li>☛ Illinois                             <ul style="list-style-type: none"> <li>☛ Watershed TMDL initiation</li> </ul> </li> <li>☛ Indiana                             <ul style="list-style-type: none"> <li>☛ Watershed Leadership Program training</li> </ul> </li> <li>☛ North Carolina                             <ul style="list-style-type: none"> <li>☛ Leadership Training: Growth and Sustainability Strategies Course</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>☛ <b>You should be on this list!</b></li> </ul>
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## NORTHLAND NEMO WATERSHED GAME ACKNOWLEDGEMENTS

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## BONDING WITH YOUR WATERSHED THE WATERSHED GAME - **PART 2**



**Retool yourself tonight !**

- ✓ Go to Jail
- ✓ Pass Go
- ✓ Land on Park Place
- ✓ Make a Choice
- ✓ Opportunity for beer & chocolate

Join us for a play of the Watershed Game on lower deck of the boat tonight

[www.northlandnemo.org](http://www.northlandnemo.org)

