Maryland Association of Floodplain and Stormwater Managers (MAFSM) Year I

# 3D FLOOD SIMULATOR MODEL



# Background

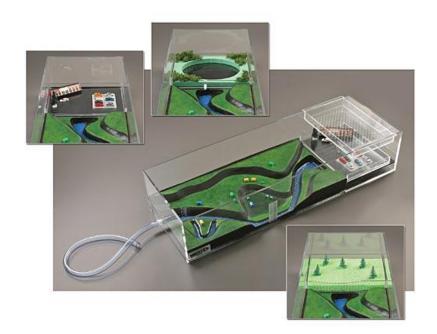


- Organized in 2004
- Official state chapter of ASFPM in 2006
- Approximately I40 members with an active core group of about I0 people
- Main chapter activities
  - Disseminating information through newsletters
  - Annual conference with field tour
  - Hosting CFM Refresher trainings and CFM exams
  - Writing letters to legislators

# Background



 Applied for and was granted the 3D model as part of ASFPM and OPP's Flood Risk Education in Schools campaign in 2011





 Advertised and held a 3D Flood Simulator Model Train-the —Trainer at MAFSM's 7<sup>th</sup> Annual Conference in October 2011





Conference calls with cadre of trainers





 We obtained and updated templates from ASFPM that OPP and other chapters put

together





 Used chapter website to promoting the model and as a resource center for trainers

http://mafsm.org/committees.php?id=20

 Promoted our demo activities through our LinkedIn site and YouTube



 As of October 1, 2012 conducted nine demonstrations exposing approximately 275 students and 20 professional s to the model and the impacts of development within the watershed



Frost Elementary School (Kindergarten)





 Cooperating Technical Partners Training at FEMA's Emergency Management Institute (Adult professionals)



Carroll County Enviro-thon (High School)





 Western Maryland Science and Engineering Festival (All ages)



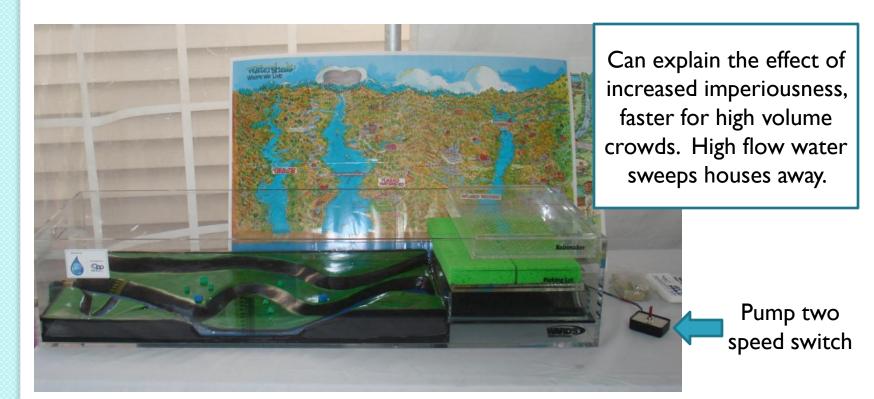


- Local Girl Scout Troop (2<sup>nd</sup> and 4<sup>th</sup> graders)
- Deep Run Elementary (Kindergarten)
- Local Boy Scout Troop (12 14 year olds)





Presented at the 2012 Montgomery County Fair at an outreach event called "Rain Day" put on by Dewberry. Added a pump to simulate Base Flow and Flood Flow.





- Obtained contact info for the Science, Technology, Engineering, and Math (STEM) contacts for each county in Maryland
- Completed first annual report and submitted to ASFPM

#### **Outcomes**



- Conducted nine demonstrations exposing approximately 275 students and 20 professionals to the model and the impacts of development within the watershed.
- Received an award at the ASFPM National Conference from OPP for "Outstanding Education and Outreach Conducted with the Floodplain 3D Model".

## **Outcomes**



 Instrumental in other organizations interest and purchase in the model (Virginia State Chapter and the Washington DC Department of the Environment)

## Outcomes



 Received letter of thanks from Frostburg Elementary and the Western Maryland Science and Engineering Festival

# Future Plans

MAFSM

ROOM AND STORMWATER MARKETE

- In Year I
- In Year 2

# Questions



