

North Glade Run Stormwater Assessment
2nd Public Hearing – 9/25/15
Q&A Summary

Questions and Answers were taken after each presentation.

Q&A after North Glade Run Stormwater Assessment Results by AMT

- 1) When looking at the map of the sections of the watershed, how were those sections defined?

Those sections are subwatersheds within the North Glade Run watershed and they are delineated based on topography (elevation).

- 2) Is sedimentation an issue that will be addressed?

Some of the parameters used in the methodology to identify subwatersheds more prone to stormwater issues, were specifically chosen for their ability to pinpoint where sedimentation was more likely to occur. Those parameters include K factor and soil type.

To clarify, this project looks at slowing down sediment that is carried in stormwater flowing overland through the watershed into the lake. This project does not look at existing sedimentation already within the lake, does not address dredging, nor does it address shoreline erosion. The lake and its buffer is owned by the state. The County's jurisdiction is only within the watershed.

- 3) What solutions will be looked at?

The contractor will be identifying hotspots and forwarding to the County possible remediation strategies for those hotspots. Those solutions will be based on the location, and will be designed on a site by site basis.

- 4) How does DNR fit into this?

DNR has been a partner in the fact that they knew about this project, they helped the County write the grant application that led to the funding mechanism for this project and they attempted to provide stream data through their stream corridor assessment project. Unfortunately, in this particular watershed they were not granted the access that they needed in order to perform the assessment of erosion on the stream banks.

- 5) Are you looking at stormwater from the minimal things that can be done by an individual landowner to the larger things that can be done to aid a community?

Yes. What AMT is looking at is the big picture of the watershed, identifying subwatersheds with issues and hotspots within those subwatersheds that may need remediated. The presentation from UMD will be sharing possible smaller solutions that can help the individual property owner with stormwater management on their property.

- 6) Are there any monies available to property owners to install stormwater features and for stormwater remediation in the watershed without raising taxes?

There are grants that can be sought for community projects. Grants for individual property owners are hard to find. However, after UMD's presentation we will be seeking input regarding an incentive program that may encourage stormwater management on an individual basis. If a remediation project is agreed upon and it turns out to be a community project based on lack of land available for the County to aid, the Planning office is willing to facilitate a community application for funds to various sources.

- 7) How is it that the County received a grant from the Chesapeake Bay Trust when the Deep Creek area is outside of the Chesapeake Bay watershed?

The money in the trust is received from the Save the Bay license plates. People from the entirety of Maryland purchase those license plates, so the funds are to be available for all of Maryland, including those locations outside the Chesapeake Bay watershed. The grant the County received, to the best of their knowledge, is the first one to go to a project outside of the Bay watershed.

Q&A after Managing Your Stormwater – What You Can Do To Help? by UMD Sea Grant Extension

- 1) Is North Glade Run watershed all on wells? Are there concerns about wells running dry?

None of North Glade Run watershed is served public water, so every resident is on a well. No County personnel in attendance were aware of any concerns about wells running dry.

- 2) Do commercial-type rain gardens have underdrains?

Yes, they do, but home ones do not.

- 3) How do you factor in the water table into the design of a rain garden?

We do factor water table into the design. High water tables make it problematic. It is preferable for rain gardens to be placed at least 18 inches above the water table.

- 4) Do permeable pavers work in an area where it frosts and freezes?

Permeable pavers are being used everywhere, including Denver, Colorado. They are finding that when they plow, due to the air underneath the permeable pavement, it actually warms up quicker and dries the pavement. They have very little problems with black ice due to that fact. They do have expensive maintenance issues, however, so where they are used is generally large government or corporate facilities that can afford the maintenance costs.

- 5) We have very steep slopes and a lot of driveways on those slopes. How does permeable pavement behave on steep slopes?

It should work the same. The water is still infiltrating and then running downslope. The speaker had never seen permeable pavement placed on an incline, but was sure it could be done.

- 6) We have a lot of changes in water levels and that makes it difficult to sustain a living shoreline. The plants don't survive.

It's a matter of getting the right plant and protecting the seed source. You may have a grass that likes to be wet and will die once the water goes down, but if the seeds are well-established, when the water returns so will the plants.

- 7) Are there any resources to deal with goose waste?

No, but if you use proper shoreline control, it discourages the geese from coming on your property. Geese prefer to land on the water and walk into your yard from the shore. They prefer manicured shorelines to having to cross through plant material.

Q&A after Next Steps – Looking into the Future by Deborah Carpenter and Willie Lantz, Garrett County UMD Extension Office

- 1) Would the incentive program include shorelines?

A County run incentive program probably would not, since DNR actually owns the buffer strip. However, DNR does actively encourage living shorelines and they would be a good source of information if you are interested.