

The following is a list of unanswered questions from the 4-12-2017 BOD meeting and CGC responses. The CGC will try to address these and any other questions at or before the next BOD meeting.

1. How far up the bank will the Dredgesox go?
 - a. *It's a 12' tarp, folded in half; the stakes will go about 2'-4' from the end of the tarp, out of the water and up the bank. Dredgesox will be about 3-4' into the water and up the bank about 3-4". It will create a "rounded edge" and gradual slope regaining shoreline.*
2. Will that be enough to mitigate the erosion issue just below the bench area?
 - a. *The erosion issue at and immediately below the bench pad is due to water flowing **over** the bench pad from the sidewalk. Dredgesox will not prevent the water from coming over the bench pad, and therefore not fix the erosion immediately below/at the bench pad.*
 - b. *The water flowing over the bench pad from the sidewalk will need a different remedy (i.e.: surround pad with sand bags to a height at least 6" above the bench pad, install a retaining wall filled with soil and plants so water can flow into the structure and get absorbed instead of flowing down the bank, etc...)*
3. There is concern for the look of the slope after the job is completed. The picture you brought didn't give a clear understanding of what we will be looking at. Is there anyway to provide a better graphic?
 - a. *(picture to be attached, Lynn is waiting to receive it from Wetlands...):*
4. Is there an alternative to using pine straw for covering the area?
 - a. *They recommend pine straw because it won't float away as readily as other mulch.*
5. Why are they not suggesting a 2 tier installation?
 - a. *The 2 tier Dredgesox installation will not stop water from flowing over the sidewalk/bench pad. The Dredgesox is intended to retain shoreline and stabilize pond bank erosion. Which it will do as bid.*
 - b. *Picture of City of Lauderdale...the 2 tier installation in the brochure was for the stormwater control ditch in the woods where it is not visible to homeowners. A concern is at the "step" the Dredgesox will be visible which often not a preference of homeowners.*
6. Looking at the brochure (2 tier installation) that area is sodded. That bank seems similar to our bank. Are we sure that we can't sod the area?
 - a. *Yes, we can use sod on the pond bank.*
 - b. *But the slope of the bank is an issue. Sod does not have the root structure to stabilize slopes (as well as the plants that are suggested). Also if sod were installed it needs to be irrigated, cut and fertilized (high maintenance) and would not in the long run do a better job of stabilizing the moderately steep pond bank.*
7. The brochure states the mesh is "Photo Degradable". What does that mean?
 - a. *Photo degradable means that if it's not covered sunlight it could degrade,*
 - b. *In the cited brochure it's listed in the context of a positive trait.*
 - c. *On-line there are two lines which seem to reinforce that interpretation, i.e. a positive. At the web page that has as its web address shoresox, advantage <http://www.shoresox.com/shoresox-advantage.html> . Generally, the material that*

- exhibits UV protection (as a positive) has a statement such as "uv protection for x years".*
- d. *For those not familiar the only difference between shoresox and dredgesox is the fill material and the way the fill material is added to the sleeve. THE SLEEVE MATERIAL IS THE SAME.*
 - e. *It also implies in the following statement on line "SHORESUX™ is the only erosion control solution that encompasses the shore bank and fully integrates into the bank or hillside- ultimately becoming part of the earth. That implies it decomposes over time, potentially if sediment/soil does not have correct characteristics, then integration may not happen or last because of the same inherent soli characteristics that started the erosion process. Hugenschmidt would likely know. Someone else would potentially have to evaluate.*
 - f. *Same site: (<http://www.shoresox.com/shoresox-advantage.html>) - The full degradation period is greater than five years, allowing ample time for vegetation to develop strong and secure root systems that will firmly hold soil in place. (once again soil characteristics are crucial - we had erosion because of the soil characteristics). Hugenschmidt would use the technical term Angle of Repose.*
8. What is the warranty:
 - a. *10 years on material and 1 year on workmanship (both through Dredgesox & Lake & Wetland Mgmt)*
 - b. *Mulch (Wetlands to replenish for first 3 months)*
 - c. *Wetlands can't warranty the plants unless they are doing the pond maintenance.*
 9. As with any project there is the possibility of unforeseen issues. Has the vendor been asked what might go wrong or what issues may pop up?
 - a. *The pine needles may need to be replenished every 6 months until the plants are well established.*
 - b. *Wetlands would replenish pine needle mulch for first 3 months.*
 - c. *Because Wetlands does not maintain/service the pond water they cannot "protect" the plants from inappropriate pond maintenance, or land maintenance (chemical applications, trimming, etc).*
 10. Has Wetlands presented this technique to an engineer to confirm it will "resolve the erosion" or "stabilize the pond bank?"
 - a. *The Dredgesox is intended to stabilize the pond bank **from the pond water.***
 - b. *The Dredgesox technique is not intended to prevent water from flowing from the sidewalk and over the bench pad and down the slope which is causing bank erosion.*
 - c. *They have utilized engineers, and have done many installations. The owner of the company designed the Dredgesox but is not an engineer.*
 - d. *No engineer has been consulted for CC to utilize Dredgesox.*
 11. Engineer referral by Wetlands: Wetlands has worked with Stantec engineers for some of their projects.
 - a. *Stantec/Tanya Steward, engineer, 777 S. Harbour Island Blvd #600, Tampa FL, 813/223-9500*
 12. Has an engineer been consulted to determine if Dredgesox technique will "stop/mitigate" pond bank erosion, or stabilize the pond bank?

- a. *Dredgesox and Cross Creek HOA has not hired an engineer to determine if Dredgesox will resolve both kinds of erosion (pond bank and bench pad slope erosion).*
 - b. *An engineer, Hugenschmidt, did recommend “Rip Rap bags” and recommended Dennis/Cut Rite to do the work.*
 - c. *Hugenschmidt also recommended (06/2016 report) a retaining wall at a cost of \$50,000-\$70,000 for 85ft.*
 - d. *Dredgesox said it will stabilize and mitigate the pond bank erosion **from the water**. Dredgesox is not addressing the erosion due to **water flowing over the bench pad and down the slope**.*
13. What is it going to look like from the bench pad to the beginning of the Dredgesox and plantings)
- a. *The “look” will be based on how the BOD wants to address the water flowing **over the bench pad and down the slope**.*
 - b. *The Dredgesox will only address the pond bank from the water and up the slope approximately 6 ft. and will look “natural” with plants & mulch (not weedy).*
14. Will Dredgesox fix both our erosion problem and be aesthetically pleasing?
- a. *Dredgesox will stabilize pond bank erosion from the pond water.*
 - b. *Dredgesox will not “fix” the erosion caused by water flowing over the bench pad. This requires a separate/different remedy.*
 - c. *Aesthetical preferences are currently two extremes:*
 - i. *Some people prefer, and which is recommended by certified agencies, a “natural” (not weedy) remedy to pond bank erosion remedy. The appropriate number and type of plants, mulch and proper trimming will help ensure a natural but not weedy look. We did not and have not yet installed the shoreline plants needed for a more attractive, natural look because in 2016 only aquatic plants were approved. There was no budget for any pond bank erosion/aquatic plants and a random amount was later approved after the committee spent months determining i’s recommendation. \$5000 was later determined to be the amount only for aquatic plants for the entire large pond, and was installed by Aquatic Systems in the Spring 2016. No shoreline plants were installed because there was a “territorial dispute” as to whether the pond committee or common grounds committee had “jurisdiction” for the land “around the pond” (shoreline land). Therefore, because it was not settled, no shoreline plants were budgeted for or installed...leaving the pond with only aquatic plants and shoreline weeds due to a “compromise agreement for low mow zone” of 4ft around the pond.*
 - ii. *Some people prefer a “manicured” (sod to water) look. This requires high maintenance, lots of chemicals which counter the chemicals in the pond, and can cause more invasive water plants which causes more chemicals to be used.*
 - iii. *No one likes a messy, weed infested look.*
15. References: what references have been contacted (when was Dredgesox installed? And what did they say?)