

Proposal Opportunity

“Turning Dead End Canals Into Stormwater BMPs By Using Floating Wetlands”

Important Dates

- August 10, 2017 Issuance of RFP
- September 20, 2017 Proposals due to the DNREC NPS Program office no later than 4:30 p.m.
- October 2017 Grant Awards announced and recipients notified.
- Spring 2018 – Install the floating wetlands

Financial Information

- Minimum Grant Award is \$25,000
- Match required is 25% \$ 6,250
- Total Cash for project \$31,250
- With this cash we can purchase well over 100 floating wetlands that are each four by eight feet, planted with salt tolerant Herbaceous Wetland Plants that will remove significant amount of nutrient from the water and thus reduce algal blooms.
- Labor to plant will be additional volunteer man hours and/or procured labor.

What Do The Floating Wetlands Look Like?

How Do They Work?



Beemats are active biological systems that utilize macrophytes to remove nutrient pollution from stormwater

Patrick Air Force Base

These two ponds are connected. The one at the top has Beemats, the one on the bottom doesn't.



The Floating Wetlands Help To Reduce Algal Blooms



Nov.
2010



Jan.
2011



Apr.
2011

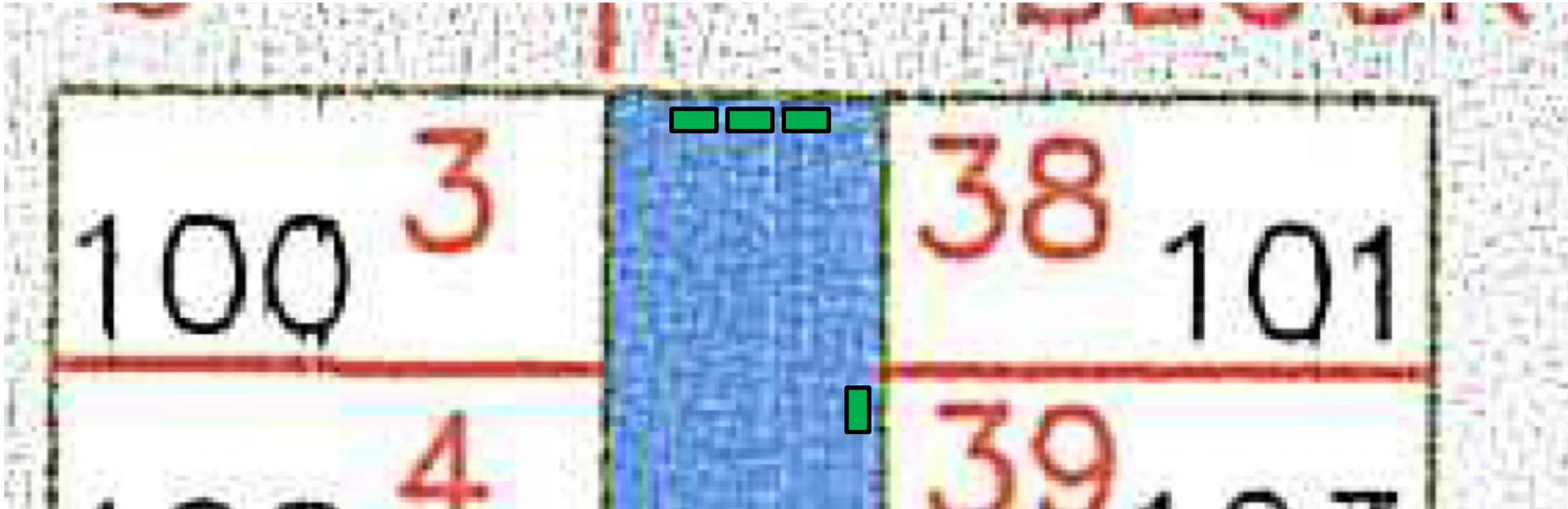


August 5, 2011



October 10, 2011

Where Do We Put The Floating Wetlands?



The above figure, drawn to scale, shows one of the dead end canals, with 3 mats that are 4 X 8 feet attached at the dead end. The lot size, for reference, is 50 X 100 feet. We have about 23 dead ends that belong to the Town.

Also show is on mats that is attached to a homeowners bulkhead.

So far about 20 homeowners have asked for mats to be put by their bulkheads.

We have also asked DeIDOT if we could put about 18 mats in the Anchorage Forebay.

What Do The Floating Wetlands Cost?

- We have found a vendor in Florida that has BeeMats for a very reasonable price, \$144 per 4X8 foot mat with reinforcements for securing and 80 receptacles for plants. Shipping not included.
- We have found two commercial nurseries that can supply the salt water tolerant plants for about \$0.75 per plant. Shipping not included.
- We need to pay for shipping.
- We need to procure hardware for securing the mats
- We need to use volunteer labor and/or pay for labor to populate the mats with plants and then secure them to the bulkheads.
- We need a boat to tow the mats to where they are required. George has volunteered his boat.