



The Village of Bald Head Island

MEMORANDUM

Date: December 5, 2008

To: Mayor and Council

From: Chris McCall, Assistant Village Manager/Development Services Director

Cc: Calvin Peck, Village Manager
Department Heads

Re: Weekly Status for 1 – 5 DEC 2008

East Beach Dune Restoration – Beach plantings have been completed. While initially we were going to install sand fence along this stretch of the beach (234 Station House Way to the north) to assist w/ dune growth we have found that the high tide is coming up to the toe of the new berm and CAMA will not permit the installation of sand fence within the wet sand beach area. We will re-assess possibilities for sand fencing at a future date as the beach continues to re-build. While there is not enough dry beach width along the new berm there are areas to the south along Station House Way that we will be installing fencing. Staff has worked w/ Paul Hearty and BHI Limited to identify areas along east beach and around the point (Shoal's Club) extending along south beach to Cpt. Charlie's quarters for opportunities for dune growth. While these areas identified by Dr. Hearty are seaward of the toe of the frontal dune and first line of stable vegetation, CAMA District Field Representative Heather Coats will be assessing the options of allowing Limited to revise their existing CAMA Major Permit for the CFS PUD that encompasses these beach areas to permit the installation of the fencing.

West Beach Sand Push – Staff continues to work towards obtaining the emergency general permit through the Division of Coastal Management. A site plan has been submitted to both DCM and USACE for review and approval. The Village has received a quote from Island Contracting to complete the project. The primary focus of this push will be to shore up the extensive escarpment in the vicinity of Sea Gull Trail to the northern end of Cape Fear Trail and is approximately 1,300 linear feet. CAMA Field Rep. Heather Coats and Dave Timpy with the USACE will be on-site next Thursday to review project and hopefully write permit on site to begin berm construction. Staff has received all property owner notifications for adjacent properties within the proposed project boundary, from Sea Gull Trail to the northern end of Cape Fear Trail.

DCM Public Meetings on Proposed BIMP – Calvin attended one of several public meetings scheduled throughout the CAMA region to present the DRAFT BIMP and its recommendations

that will go to the CRC at some point in the future. Attached is the handout w/ information regarding the BIMP.

Deer Depredation Permit – Staff has prepared and submitted for the depredation permit to cull approximately 100 doe and 25 bucks this year beginning NLT 19 JAN 2009.

Groin Damage – Staff has found damage to groins #12 & #13 with minimal damage to groin #12 with the outer layer of the tube torn and exposing the under-layer of material. Groin #13 is damage significantly. Pictures were sent to Erik and he commented and recommended the following:

“This is beginning to look like some kind of wear phenomena at the end of each structure where the fabric is being abraded (by sand/shell movement in the swash zone) to the point of failure of the outer layer. Once that occurs the inner layer--which is not structural --fails quickly and it deflates accordingly. It does not look like storm damage, per se. Disappointing to say the least...

At present I would suggest just cutting and sealing well each tube as it fails near its seaward end. That is to say I would protect what remains but not throw a lot of money at reconstructing to the original length.

When you get a chance, could you inspect the tops of a couple of structures which are still integral and look for signs of abrasion at the same general location where these failures are occurring? If a coating would help, we may need to head failure off on the remaining strux.. or at least prolong the lives of the tips exposed near the waterline by applying an add'l coating.”

Staff will conduct weekly inspections of the groins at low tide as well as look at the groins in the “swash areas” between high & low tides for any possible fabric tears and assess.

Major On-going Projects Status – See attached spreadsheet and supplemental documents attached to e-mail...