8/19/10

Present: No Billie, Drew, also Scott H.

Neville proposal for beach study is available, total of : $75,500

Hope is that Fish&Wildlife will pay. Scott thinks this is a deal.

Corps of Engineers offer for million cubic yards of sand is not accurate: it’s under consideration, but nothing is close to settled.

1. Bavon Beach looks like it’s going to happen. What happens to CS is we do nothing?

BB plan is BB + 4 CS houses

Large conceptual plan.

SAV = Submerged Aquatic Vegetation

Stuff is on state property. Below mean low water shoreline at time of construction is the line of state property.

With only BB project: Isabel and Ernesto drove sand north. November northeaster drove sand south. Some sand escaped to the north, but Neff’s improvements harden it. Basically, you get a groin.

Between any two structures there is a separate sand system created. If no structures across a large area, you have a larger system with greater variability within there. Spurs closes the system off. Newpoint Light committee wants sand all the way to the lighthouse.

We have benefits without spur, but biggest is with spur.

No tell of effect of global warming on all of this.

Structures are resistant to storms. Beaches stop storm action of waves in storms, structures save the beach.

Structures in plan is 5 feet over mean low water line.

There’s a database of breakwaters around Yorktown.

Alternate approach would be periodic beach fill. No groins.

No real swirl impact.

10 years around desire was from the other side – beach risk is to the south, not the north.

Doing plan, permitting, etc, would be done in one lump: both BB and CS plan. Might not need to build our part though.

At worst, BB plan may have local impact on houses to the immediate north of it, but little overall impact.

Getting dredged sand would be a very good thing and might change our needs.

Presence of Tiger Beetle doesn’t change the plan, but makes the opportunity available.

Scott’s plan was made without considering the Tiger Beetle.

Curves on breakwaters is to diffract the wave so that it doesn’t hit the beach as hard.

Maintenance: don’t need to do anything about the rocks. May need some sand added over time, but not much. Put sand on beach-side: that builds roads allowing for construction of bw’s.

May need to do road restoration as part of the project: large rock trucks may harm roads.

Not currently proposing starting at one height and later raising it: we’d not want to do this in two phases.

Structures are 5-6” above low tide water line.

Isabel surge was 6” here, 8” at Severn.

Options: various combinations of spur, breakwaters here, beach-fill. Coarser sand most likely, but not York Spit sand, which is the same as what we have here.

Risk and adaptive.

Look for Mathews County Shore Management plan on the VIMS website – SET UP LINK, JOE!!!

VIMS will continue to monitor the beach over time.

Neff’s rocks did not cause problems on the south.

The funders have lots of flexibility in building parts of it.

Engineering plan needs to include the spur.

Note: the conceptual plan has three BW’s north of the CS four.

Send snail mail David Petway.

Specify we don’t know what costs will be.

BB pays $400 a year for liability insurance (Bill Powell via Peyton).