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From: **brian james**

Date: Thu, Aug 11, 2016 at 10:34 AM

Subject: Update Pagham Beach

Dear Ray

I have over the last couple of months heard many people say they thought the natural breach has solved the problem of shingle loss at Pagham Beach. Unfortunately this is NOT the case.

People who think and say this DO NOT LIVE ON THE BEACH so therefore clearly do not have the advantage of "Local" knowledge.

I have lived ON Pagham Beach for more than 32 years, and over that period of time I have watched the tides and shingle movement year after year. I and other local people have made predictions that have been rejected by "experts" only to be proved right time and time again, I KNOW THIS BEACH.

The breach has ONLY reduced the speed of tidal flow at Groin 3, NOTHING else.

The long shore drift of shingle is from West to East, i.e. Selsey to Bognor via Pagham, now due to the growth of the spit and the subsequent breach it is no longer via Pagham. The shingle is being pushed out from the beach by the water leaving the Harbour in an uncontrolled manner and being trapped further out towards the Mulberry Harbour in the bay hence the long shore drift takes the shingle to Bognor and none reaches Pagham.

Any apparent build up of shingle on the Eastern end of Pagham is not from long shore drift, it is existing shingle being pushed high up the beach on Spring tides, this gives the illusion of shingle gain, but as the tides drop onto Neaps the shingle gets dragged down and taken away by the scour current created by the spit drawing the water from the Harbour parallel with the beach.

The breach also leaves the beach behind unprotected from winter storms. As waves roll through the breach which is very wide they will "fan" out and scour the shingle parallel along the shoreline this will put the properties in the western end of West Front Road under threat again, properties that are already unsafe behind the "unstable" revetment.

There is also a "worst case" scenario, if the beach is breached into Little Lagoon (directly behind breach area) and then into Pagham Lagoon and meanwhile a breach at East Front by Pagham Yacht Club (a known potential weak area) the water would link the two via Sandy Road and Well Road, reducing the whole beach estate to an "Island" thus putting the Village into the firing line. As you know the beach is the sea wall for Pagham

The remaining part of the breached spit, (the shingle island) will move onto and start to replenish Pagham Beach in time, but only if the "managed" breach is carried out. This done in the manner laid out by ABPmer, To direct the Harbour flow STRAIGHT in and out. And allowing the long shore drift of shingle to run closer to the beach.

I fully support the proposed managed breach as set out by ABPmer.

They are the acknowledged No. 1 marine consultancy when it comes to managed realignment, breach design, coastal processes assessment, and marine hydrodynamic modelling, and also the project they carried out at Medmerry is one of the largest UK managed realignment projects and the first on any notable size to be undertaken on an open coast. It is also unique because it is the first scheme in the UK to be created by excavating a breach through a mobile shingle barrier.

Regards Brian