

# Appendix A

## Dredging to enhance the saltmarsh of the River Deben

There is a strong view that the saltmarshes in the UK are undervalued by £1B. If the erosion continues at the current rate it would reduce this by a quarter by 2050. If mud from dredgings could be found locally in the Deben Estuary this would greatly help to restore the saltmarsh to a healthy state. Suspended mud entering from the mouth of the estuary is being deposited continuously in the upper reaches of the tidal part of the River Deben.

This note provides approximate information concerning the amount of mud that the river users and businesses would agree to have dredged on an annual basis, assuming that there would be no cost to them. This information was collected by Robin Whittle in February 2016 as a true record of the estimates given to him. The quantities are reasonable maximum values. In many cases the dredging is calculated from an estimate for two, five or ten years. This means that more than the annual volume quoted may be needed at longer time intervals.

**Waldringfield Sailing Club, Waldringfield Fairways Committee (John Smith: Secretary to WFC):** Inner squib trot – squibs ground at LWS (WFC moorings) ( $100\text{m} \times 20\text{m} \times 0.5\text{m} = 1000\text{m}^3$ ), Make channel from Stonner point towards nav mark 8 (WSC racing and yacht traffic) ( $500\text{m} \times 40\text{m} \times 1\text{m} = 20,000\text{m}^3$ ), dredge north end of existing channel behind island (WSC racing and yacht traffic) ( $500\text{m} \times 40\text{m} \times 0.5\text{m} = 10,000\text{m}^3$ ), between moorings and island, downriver of WSC line – spoil washed from island (WSC racing) ( $100\text{m} \times 20\text{m} \times 0.5\text{m} = 1000\text{m}^3$ ), area to West of channel, between nav marks 4 and 6 (WSC racing) ( $400\text{m} \times 200\text{m} \times 0.5\text{m} = 40,000\text{m}^3$ ).  
The period for which this is assumed to apply is ten years. Total = 72,000/10 **7,200m<sup>3</sup>/yr**

**Waldringfield Boatyard (Mark Barton: Boatyard Manager):** An area on the quay frontage from the slipway to the end of the pontoon for 5m. **300m<sup>3</sup>/yr**

**Martlesham Boatyard (Mike Ingham: Boatyard Manager):** A volume of  $100\text{m} \times 60\text{m} \times 1\text{m} = 6,000\text{m}^3$  over a period of 5 years. **1,200m<sup>3</sup>/yr**

**Deben Yacht Club (David Watson: Commodore):** West shore near Methersgate ( $100\text{m} \times 5\text{m} \times 0.5\text{m} = 250\text{m}^3$ ) every 5 yrs, Kyson Point ( $75\text{m} \times 5\text{m} \times 0.5\text{m} = 187.5\text{m}^3$ ) every 5yrs, north end of Loder's Cut  $50\text{m}^3$  every 5 yrs, around slipway  $150\text{m}^3$  every yr, east shore from DYC to north corner ( $200\text{m} \times 5\text{m} \times 0.5\text{m}$ ) every 5yrs. **350m<sup>3</sup>/yr**

**Woodbridge Boatyard (Geoff Sinton: Boatyard Manger):** An area on the quay frontage of  $250\text{m}^3$  every 5 years. **50m<sup>3</sup>/yr**

**Cruising Club: (Stephanie Heenan: Commodore):** An area around the pontoon. **250m<sup>3</sup>/yr**

**Kyson Fairway Committee (Steve Copsey: Chairman):** At committee meeting on 2 March 2016 stated there was no requirement for dredging. **0m<sup>3</sup>/yr**

**Bass Dock (Ferry Quay/ Woodbridge Quay) (Sam Jennings: Owner):** The dock is largely full of flat bottomed boats. The owners prefer their boats to sit on mud at a high level which allows the gang planks to remain more horizontal through the tide range. **50m<sup>3</sup>/yr**

**Riverside Trust (Andrew Fitzgerald: Chairman):** This group is developing Whisstocks boatshed and slipway and are interested in providing access to Thames Barges and Heritage Craft up to Woodbridge Quay. In order for this to be achieved considerable dredging would be required to the mud in front of the quay. It is assumed that the area involved is (100m x 100m x 1.5)m<sup>2</sup> to an average depth of 1m = 15,000m<sup>3</sup> to last ten years. This would overlap with the requirement for the Tide Mill. **1,500m<sup>3</sup>/yr**

**Tide Mill (Nigel Barratt: Chairman):** The mill pond silts up and requires clearing 50m<sup>3</sup>/yr. There is a need to keep the mill race and inlet pipe clear of mud. An equivalent volume of (3m (inlet wide channel) + 6m wide mill race channel) x 35m long x 1m deep every 5 years. **say 100m<sup>3</sup>/yr**

**Tide Mill Marina (Mike Ellis: Manger):** The marina pumps silt out of the berthing area into the silt pond (north east corner) every other year. The maximum quantity would be about 750m<sup>3</sup>. **say 400m<sup>3</sup>/yr**

**Robertsons Boatyard (Alan Fuller: Boatyard Manger)** Two areas require dredging. The area around the small slipway (10m x 20m x 0.5m) = 100m<sup>3</sup>/yr; Area with houseboats (90 x 50 x 0.5) every 8 years **say 400m<sup>3</sup>/yr**

**Melton Sailing Club (Steve Sinclair: Manager):** An approximate estimate for the houseboat area. **300m<sup>3</sup>/yr**

**Melton Boatyard (Simon Skeet: Owner):** At present mud is pumped from the berthing area across the channel into the saltmarsh lagoon on the Sutton side. **1000m<sup>3</sup>/yr**

**Larkmans Boatyard (Steve/Richard Larkman: Owner):** Mud is cleared from the area in front of the river wall to allow the yachts to be lifted out be crane. **200m<sup>3</sup>/yr**

**Total: 13,300m<sup>3</sup>/yr**