

Construction and Maintenance
2012/13 Work Programme Progress Report
Report by Head of Construction and Maintenance

Summary: This report sets out the progress made in the delivery of the 2012/13 Construction and Maintenance Work Programme to date and updates members on changes to the programme.

1 Construction and Maintenance Programme 2012/13: Progress

- 1.1 The progress of the Construction and Maintenance work programme is described in this report. As agreed with members, a further detailed breakdown shows that as of the 31 July 2012, 14,070 m³ of sediment has been removed from the Rivers and Broads, and the details of quantities and costs achieved so far are set out in Appendix 1. This represents 28% of the programmed target of 50,000m³.
- 1.2 Since the last committee report of 7 June 2012, work has continued on the Lower Bure. The setback areas at Scare Gap Farm and Mautby have been filled, and the sediment is now being deposited into the setback area at Six Mile House, Stokesby. The Dredging crew have made good progress on this section improving the navigational channel and removing shoals from the series of bends within this lower section.
- 1.3 Dangerous piling in the River Yare at Whitlingham has been removed. The partly submerged, rotted and aging timber piling, located along the Whitlingham bank, was removed and the buoys marking the hazard have also been taken away. This work has removed a potential hazard from the navigation and will assist anglers who fish along the bank, as lines no longer become snagged in the rotted piles. The area will now be monitored to assess the rate of erosion and landowners will be kept informed.
- 1.4 During the bird nesting season the Fen 360 excavator has been assisting the maintenance team at St Benets Abbey on the car park improvements. Now the nesting season is over the machine has moved to Woodbastwick where it is carrying out fen maintenance work on the ditches and scrapes on the Bure Nature Reserve.

2 Maintenance Team

- 2.1 The maintenance team have continued to work to priorities set in the works programme and a selection of some of the projects they have been involved with are described within this report.

- 2.2 With the responsibility of Breydon Water and the Lower Bure transferring to the Broads Authority we have been improving the visibility, number and location of the bridge gauge boards. The additional number of markers and the displays being in imperial and metric measurements will make negotiating the tides and bridges easier for users of this section of the network.
- 2.3 Ongoing repairs and maintenance to signage and the surfacing of moorings across the network has been taking place with works at Gt Yarmouth Yacht Station, Ludham Bridge, Horning and Hoveton Riverside Park. Safety ladder repairs at St Benets and a fallen tree at Anchor Street have also been dealt with.
- 2.4 Mooring refurbishments and improvements have been completed at Repps Bank, Brundall Church Fen and Womack Island, with weed spraying and mowing of moorings being a routine task over the summer months.

3 Plant Refit and Repairs

- 3.1. The fitters continue to be busy maintaining the workboats, wherries and grabs. During July the new linkflotes were delivered and two of them will be retrospectively fitted with 'spud legs', following the successful trial of the 'Hemlock' at Heigham Sound. This will allow the flotes to anchor themselves, without the need for winches and wires, given the Construction Team greater flexibility and stability when dredging in smaller locations like the Chet and Yare.
- 3.2 The Bantum tug has been lifted from the water at the dockyard and had the antifouling paint coating removed by shot blasting. During this period of warmer and dry weather she will be repainted and have new antifouling applied, protecting and extending the workable life of this tug.
- 3.3 Ongoing maintenance and repairs to the Maintenance Teams workboats, Rangers launches and trip boats has continued with new bilge pumps being fitted to motor launch Wensum, Electric Eel and Didler being prepared for new engines to be fitted. The existing weed harvesters has had continual mechanical issues but is currently operational, but a second harvester has now been purchased second hand, which will increase our capacity in the regard.
- 3.4 The new wherry is currently under construction, with a site visit held on 14 August to view progress. A local marine surveyor is being appointed to undertake contract supervision, and delivery is expected in late December 2012.

4 PRISMA

- 4.1 On 6 August we received a payment from the Prisma lead partner, Waterwegen en ZeeKanaal, totalling €98,137.42 (£82,886.00)). This payment represents 50% of the first financial claim which totalled €196,274.83. We

have currently issued our third claim and eagerly await payments two and three, which will total €227,447.41 (£190,929.00)

- 4.2 The reclamation of land at Salhouse Broad has received planning permission and preparation work is programmed to start in October 2012 with the felling of alder being used in the construction and mobilisation of plant. The dredging of the Bure and the subsequent sediment, being pumped into geo-tubes, will commence in November 2012.

5 Dockyard Development

- 5.1 At the last Broads Authority held on July 13, the agreement to proceed with the Dockyard Development was granted. We have now entered into dialogue with the preferred bidder and scope of works, tender contacts and payments schedules are being developed, a verbal update will be presented to committee.

Background papers: Nil

Author: Rob Rogers
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Broads Plan Objectives: NA1.1

Appendices: APPENDIX 1 – Dredging progress

Dredging Progress 2012/2013

Project Title	Project Element	Duration (weeks) To date/ Total	Volume Removed m ³		BA Staff, Plant & Budget Expenditure £ (to 31/7/12)	Cost per m ³ (to 31/7/12)	Planned costs £ (Total BA staff, plant + budget expenditure)
			Programmed for 2012-13	Completed to 31/07/12			
Heigham Sound	Navigation Channel	5/20	12,000	0	33,060	NA	£150,000
Comments – Five weeks of preparation & maintenance has been carried out at Duck Island making the location ready to receive sediment, securing the baskets and installing temporary mooring posts. Dredging will commence in late October 2012.							
Lower Bure	Continuation from 2011/12 programme	19/24	20,000	14,070	117,970	£8.40	£139,000
Comments – Filling of setback area at Scare gap has been completed and the setback at Six Mile House is now being used.							
Middle Bure	Island Strengthening at Salhouse Broad	0/18	12,000	0	NA	NA	£200,000
Comments – Due to start October 2012.							
River Chet	Btw Norton Sub course & Nogdam End	0/12	6,000	0	NA	NA	£115,600
Comments – Sediment being disposed to setback near Nogdam end due to commence November 2012.							
TOTAL			50,000	14,070	151,030	£10.73	£604,600