

## **Construction and Maintenance Work Programme Progress Report**

Report by Head of Construction and Maintenance

**Summary:** This report sets out the progress made in the delivery of the 2011/12 Construction and Maintenance Work Programme to date and updates members on changes to the programme.

### **1 Construction and Maintenance Programme 2011/12: 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 27 February 2012, 45,859 m<sup>3</sup> 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 92% of the programmed target of 50,000m<sup>3</sup>.
- 1.2 Since the last committee report of 23 February 2012, work has continued on the Lower Bure. The first setback area at Scare Gap Farm has been filled and we are now depositing into the second setback area at Scare Gap, just upstream of Mautby Mill. Works will continue on the lower Bure until August 2012.
- 1.3 Excellent progress has been made creating the enclosure at Duck Island and the whole perimeter has now been installed. Dredging of the navigation channel has begun, with removed sediment being deposited into void. Due to low water and the draft of the wherries, we will dredge from Duck Island in a north-westerly direction towards Hickling. Dredging will stop at the end of April and commence again in November 2012, this is due to a variety of reasons, from visitor numbers and warmer water temperatures increasing the risk of Pymnesium.
- 1.4 Works to enable visitor trips to run from Whitlingham Great Broad have been completed. Two platforms have been built. One near the Outdoor Education Centre where Ra will be charged over night and the other near the Visitors Centre where the visitors will embark and disembark.

#### **Maintenance Teams**

- 1.5 Maintenance teams 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.

- 1.6 The footway at Filby Broad has been completed and is open to the public. 355m of new hoggin footpath has been laid and the viewing platform, looking out over Ormesby Little Broad has been rebuilt and enlarged, giving more viewing area and better disabled access.

## 2 Dredging Programme 2012/13

- 2.1 The Table below shows the planned dredging and piling programme for the 2012/13 year. The Lower Bure and River Chet are priority areas and now that the perimeter of gabion baskets is completed at Duck Island, good volumes can be removed from Heigham Sound in the winter months of 2012.

Dredging Location	Projected Volume M3	Disposal location	Description
Heigham Sound	12,000	In gabion baskets	Island re-creation following successful trials
Lower Bure	14,000	Scare Gap setback area	Continuation of existing project
Lower Bure	6,000	Six Mile House setback area	Removal of shoals on the bends btw Herringby Hall & Mautby Marsh
Middle Bure	12,000	Island strengthening at Salhouse Spit	Reinstating the eroded spit at Salhouse Broad
River Chet	6,000	Chet Mouth setback area	Btw Norton Marshes and Nogdam End – minimal spec whilst awaiting BESL works
	50,000		

Piling works	Length (m)	Approx Cost £
Stokesby (steel)	30	60,000
Beccles (replacement timber)	60	50,000 (material plus labour)

Channel Markers Heigham Sound	15no btw Meadow Dyke & Candle Dyke
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### **3 Plant Refit and Repairs**

- 3.1. The Fitters continue to be busy maintaining the workboats, wherries and grabs. Unfortunately Grab 10 has broken down and become uneconomical to repair. Grab 7 has been mobilized to the Lower Bure to carry on the dredging works and Grab 10 will now be used for spares. We will replace this grab with a new Long Reach JS160 360 JCB.
- 3.2 The advertisement seeking expressions of interest for the building of a new mud wherry was placed in the EDP and Boating Business and great deal of interest was received. The closing date for tenders was on the 30 March and a verbal update will be reported to Committee.
- 3.3 A delivery date for the six new linkflotes, ordered at the beginning of February, has been received from the manufacturer, VolkerBrooks, and they are expected at the Dockyard in late June.

### **4 PRISMA**

- 4.1 PRISMA projects are progressing well with a Planning application, landowner and legal agreements being progressed for the Island spit restoration at Salhouse Broad. Trials involving a concrete pump to move sediment into a geo-tube are also planned for Salhouse Broad.

### **5 Dockyard Development**

- 5.1 The revised design for the new Workshop and Office accommodation at the Dockyard went before the Planning Committee on 30 March, and planning permission granted subject to a number of conditions. Works are now ongoing to prepare tender documents and a report will be taken to the Authority in May seeking budget approval.

Background papers: Nil

Author: Rob Rogers  
Date of report: 2 April 2012

Broads Plan Objectives: NA1.1

Appendices: APPENDIX 1 – Dredging progress

# APPENDIX 1

Project Title	Project Element	Duration (Weeks) To date/ Total	Volume Removed m <sup>3</sup>		BA Actual Costs £	Cost per m <sup>3</sup>	BA Programmed cost £
			Programmed	Completed To 16/01/12			
River Bure	Thurne Mouth	12/09	5,000	18,214	134,650	7.61	£55,000
<b>Comments</b> – Dredging project now complete, restoration of the setback area has also been completed to specified design							
Oulton Broad	Oulton Broad	9/5	4,000	4,844	39,931	8.24	£40,000
<b>Comments – Project Complete</b> – Arising were deposited into set-back at Oulton Dyke and the area will be restored to reedbed once the material has dried enough to allow the work to take place.							
Heigham Sound Duck Broad	Trial (20m x 20m) Island	1/1	40	40	379		£1,000
<b>Comments</b> – The baskets are maintaining their structural shape and have maintained a good level, reed is growing within the island and within the baskets.							
Heigham Sound/ Hickling Broad	Duck Island Phase 2	20/14	12,000	nil	62,790		£130,000
<b>Comments</b> – Perimeter construction of gabion baskets now complete, remaining weeks will be used to dredge material from the channel. A return in the winter of 2012 is programmed.							
River Yare	Thorpe River Green and New Cut	16/10	3,000	13,232	94,098	£7.11	£120,000
<b>Comments</b> – Dredging project complete, sediment is dewatering at Postwick Tip.							
River Bure	Gt Yarmouth to Stokesby	20/19	26,000	9,569	80,375	£8.40	£210,000
<b>Comments</b> – Dredging in progress, 1 <sup>st</sup> setback area has been filled and second setback in now being used.							
<b>TOTAL</b>			<b>50,040</b>	<b>45,899</b>	<b>412,223</b>	<b>£8.98m3</b>	