

**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 27 April 2012, 3,249 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 6.5% of the programmed target of 50,000m³.
- 1.2 Since the last committee report of 19 April 2012, work has continued on the Lower Bure. The first setback area at Scare Gap Farm has been filled, as has the second setback area at Mautby. The Dredgings crew continues to make good progress with sediment removal and we are currently filling the setback area at 6 Mile House, near Stokesby.
- 1.3 The bunded enclosure at Duck Island has been completed, with the entire enclosure and cross walls being placed to create a large void. Officers decided to suspend the dredging element of the operation, due to take place during the last few weeks of May, because of the fish deaths on Hickling Broad. Additional water samples, taken to better understand the ecology of the water body at Hickling, did show an elevated count in Pymnesium, although cell counts at Duck Broad, remained well below intervention levels and levels have now fallen to the expected background levels. The plant and equipment used to build the island will be re-mobilized to others parts of the system for to assist with the 2012 summer dredging programme.
- 1.4 Piling for the additional layby mooring at Reedham have been installed, upstream of the Swing Bridge, and fabrication of the pontoons at the Griffin Lane Dockyard has started. The new de-masting mooring will be installed during the week commencing 4 June. Piling has also been installed at Somerleyton where another demasting mooring will be created, once the pontoons have been assembled, the existing pontoons at Somerleyton will also be added to, to increase the de-masting facility.

2 Maintenance Teams

- 2.1 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.
- 2.2 Repairs to the water standpipe at West Somerton 24 hour mooring has been carried out, and Anglia Water have inspected the stopcock and water meter to ensure our work was carried out correctly.
- 2.3 Some early season tree work has been completed at Ranworth and Horstead Mill, with over hanging limbs and deadwood being removed.
- 2.4 Following the agreement to allow 'double mooring' at certain locations across the network, over 30 new signs have been installed advising users of the new arrangements, other signage around the system has been replaced or upgraded ready for the new season.

3 Plant Refit and Repairs

- 3.1. The fitters continue to be busy maintaining the workboats, wherries and grabs. Grab 10 has been withdrawn from dredging duties, due to damage to her 'slew ring', although the crane does remain safe to use and operational for other duties, including piling and pile removal. Therefore the equipment has been active installing piles at Reedham for the demasting pontoons and will be active near Whitlingham removing navigation hazards.
- 3.2 The Weedharvester has undergone a major service and refit and will soon start the weed cutting programme. This heavily used item of equipment does need a lot of maintenance and on-going services to ensure it can complete the programmed tasks, and will back in service following mechanical trials towards the end of May.

4 PRISMA

- 4.1 Prisma projects are progressing well with landowner and legal agreements being sorted out for the Island spit restoration at Salhouse Broad. Planning application will be considered by the Planning Committee on 25 May 2012, a verbal update will be presented to Navigation Committee members

5 Dockyard Development

- 5.1 Following Broads Authority agreement to move forward with the development of the new workshop and office building at the Griffin Lane Dockyard, an advert inviting Interest for Tenders was placed in the EDP and professional journals. The advertisement received a very good response with large, reputable companies expressing an interest. Following these letters on interest potential builders were invited to view the location to help them develop their Tender prices. Initial prices will be received by mid June and a verbal update will be presented to Committee.

Background papers: Nil

Author: Rob Rogers
Date of report: 2 April 2012

Broads Plan Objectives: NA1.1

Appendices: APPENDIX 1 – Dredging progress 2012/2013
APPENDIX 2 – Final Dredging Output 2011/2012

Dredging Progress 2012/2013

Project Title	Project Element	Duration (Weeks) To date/ Total	Volume Removed m ³		BA Staff & Plant Costs £	Cost per m ³	BA Programmed cost £ (BA staff and plant + cash budget expenditure)
			Programmed	Completed To 27/04/12			
Heigham Sound	Navigation Channel	0/16	12,000	0	NA	NA	£150,000
Comments – Sediment from the navigation channel will be used to fill the void created with the gabion baskets, dredging due to commence December 2012							
Lower Bure	Continuation from 2011/12 programme	4/20	20,000	3,249	26,963	£8.30	£139,000
Comments – sediment disposed into setback at Scaregap Farm near Mautby and Six Mile House							
Middle Bure	Island Strengthening at Salhouse Broad	0/18	12,000	0	NA	NA	£200,000
Comments – Due to start September 2012							
River Chet	Btw Norton Subcourse & 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	3,249	26,963	NA	£604,600

Final Dredging Output 2011/2012

Project Title	Project Element	Duration (Weeks) To date/ Total	Volume Removed m ³		BA Actual Costs £	Cost per m ³
			Programmed	Completed To 31/03/12		
River Bure	Thurne Mouth	12/09	5,000	18,214	148,671	8.16
Comments – 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
Comments – Project Complete – 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	NA
Comments – 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	123,601	NA
Comments – 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
Comments – Dredging project complete, sediment is dewatering at Postwick Tip.						
River Bure	Gt Yarmouth to Stokesby	20/19	26,000	10,709	89,956	£8.40
Comments – Dredging in progress, 1 st setback area has been filled and second setback in now being used.						
TOTAL			50,040	47,039	496,636	£10.58m³