




<p>What range of size is the dredger to do the main dredge activity?</p>	<p>Cutter suction dredger (CSD) 101.5m – 138.5m in length.</p> 
<p>What type and size of vessels will move back and forth to the disposal grounds?</p>	<p>A combination of self-propelled split hopper barges (SHB) and trailer suction hopper dredgers (TSHD). SHB: 80m - 99.5m</p>  <p>TSHD: 89.3m - 97.50m</p> 
<p>What speed are they expected to move at?</p>	<p>10-12 knots (generally around 10 knots)</p>
<p>How many round trips a day are happening?</p>	<p>13 – 23 barges per day</p>
<p>Over how many weeks will this take place?</p>	<p>8 to 10 weeks (for 2.5million m³ to Burghead)</p>
<p>Overall programme?</p>	<p>13 to 16 weeks of capital dredging (excl. mobilisation etc.)</p>

<p>Outline methods for spit restoration?</p>	<p>Either: Use of a pipeline onto the restoration areas with dry earth equipment (bulldozers & excavators) manoeuvring the pipeline and shifting the sand into position; or Use of a pipeline on a floating spreader pontoon which is manoeuvred by a multicat vessel. Dry earth equipment on the restoration area shifts the sand into position. No plant will be on the existing spit, they will be confined to the restoration area at all times.</p>
<p>Outline methods for whiteness dumping?</p>	<p>Dumping using SHBs or TSHD similar to offshore dumping method. TSHD bottoms doors open where as the hull of the SHB splits apart allowing the material to drop out. Possible use of a pipeline on a floating spreader pontoon which is manoeuvred by a multicat vessel. All dumping activities at Whiteness will take place at high tide only.</p>
<p>Dumping method - open the doors/instantaneous?</p>	<p>To manoeuvre the barge into position over the spoil ground, open the hull/bottom doors and dump its load takes approximately 10-15 minutes.</p>