

**APPENDIX 10.18**

**BREEDING BIRD SURVEYS OF THE SALTMARSHES IN 2005 AND IN 2007**

<b>TABLE 6.53 RESULTS OF THE BREEDING BIRD SURVEYS OF THE SALTMARSHES IN 2005</b>			
<b>Breeding Bird Survey of the Widnes Warth Saltmarsh on 6<sup>th</sup> &amp; 7<sup>th</sup> May 2005</b>			
<b>500 metres west of centre line of bridge (Route 3A)</b>	<b>500 metres east of centre line of bridge (Route 3A)</b>	<b>Eastern area of saltmarsh beyond 500 metres from bridge</b>	<b>Total numbers of breeding and possible breeding birds</b>
MP MP MP MP MPx2 S S	MP MP MP MP MP MP MP MP MP MP MP MP MP MP MP MP MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 RB RKx2 S S S S S S S S S S S S S S S S S WH	MP MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPxfam RB RB RB RB RB RB RB RB RBx2 RBx2 RKx2 S S S S S S S S S S S S S Sx2 Sxfam SW SW SW SW WH WW	MPx65 RBx11 RKx2 Sx36 SWx4 WHx2 WWx1
<b>TOTAL NUMBERS OF PROBABLE + POSSIBLE BREEDING BIRD SPECIES</b>			
MPx5 Sx2	MPx30 RBx1 RKx1 Sx18 WHx1	MPx30 RBx10 RKx1 Sx16 SWx4 WHx1 WWx1	TOTAL=121
<b>Breeding Bird Survey of the Astmoor Saltmarsh on 6<sup>th</sup> &amp; 7<sup>th</sup> May 2005</b>			
<b>500 metres west of centre line of bridge (Route 3A)</b>	<b>500 metres east of centre line of bridge (Route 3A)</b>	<b>Eastern area of saltmarsh beyond 500 metres from bridge</b>	<b>Total numbers of breeding and possible breeding birds</b>
MP MP MP MP MP MP MP MP MP RB S	MP MP MP MP MP MP MP MP MP MP MP MPx2 MPx2 MPx2 MPx2 RB RB S S S S S	MP MPx2 MPx2 MPx2 MPx4 RB RB RB RB RB RB S S S S S S S S S S S S S S S S	MPx57 RBx9 Sx24
<b>TOTAL NUMBERS OF PROBABLE + POSSIBLE BREEDING BIRD SPECIES</b>			
MPx9 RBx1 Sx1	MPx15 RBx2 Sx5	MPx33 RBx6 Sx18	TOTAL=90
<b>CONTINUED</b>			

<b>TABLE 6.53 CONTINUED. Breeding Bird Survey of the Widnes Warth Saltmarsh on 23<sup>rd</sup> May 2005</b>			
<b>500 metres west of centre line of bridge (Route 3A)</b>	<b>500 metres east of centre line of bridge (Route 3A)</b>	<b>Eastern area of saltmarsh beyond 500 metres from bridge</b>	<b>Total numbers of breeding and possible breeding birds</b>
<b>MP</b> MP MP MPx12 MPx2 MP RK RK <b>S S S S</b>	MP MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx3 OC RK RK RK RK RKx2 RKx3 <b>S S S S</b> <b>t and vegetation map of Haystack</b> Lo S Sx2	<b>MP</b> MP MP MP MP MP MP MP MP MP MP MP MP MP MP MP MP MP MPx2 MPx2 MPx2 MPx2 MPx2 MPx4 OC OC <b>S S S S S S</b> <b>S S S S S S S S S S</b>	<b>MPx68 OCx3 RKx8 Sx36</b>
<b>TOTAL NUMBERS OF PROBABLE + POSSIBLE BREEDING BIRD SPECIES</b>			
<b>MPx6 RKx2 Sx4</b>	<b>MPx38 OCx1 RKx6 Sx18</b>	<b>MPx24 OCx2 Sx14</b>	<b>115</b>
<b>Breeding Bird Survey of the Astmoor Saltmarsh on 23<sup>rd</sup> May 2005</b>			
<b>500 metres west of centre line of bridge (Route 3A)</b>	<b>500 metres east of centre line of bridge (Route 3A)</b>	<b>Eastern area of Saltmarsh beyond 500 metres from bridge</b>	<b>Total numbers of breeding and possible breeding birds</b>
MP MP MPx2	MP MP MP MP MP MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 <b>S S S</b>	<b>MP</b> MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 <b>RB RB S S S S S S S S S S</b> <b>S S SW</b>	<b>MPx50 RBx2 Sx15 SWx1</b>
<b>TOTAL NUMBERS OF PROBABLE + POSSIBLE BREEDING BIRD SPECIES</b>			
<b>MPx3</b>	<b>MPx13 Sx3</b>	<b>MPx34 RBx2 Sx12 SWx1</b>	<b>68</b>
<b>CONTINUED</b>			

**TABLE 6.54 RESULTS OF THE BREEDING BIRD SURVEYS OF THE SALTMARSHES IN 2007**

**Breeding Bird Survey of the Widnes Warth Saltmarsh on 2<sup>nd</sup> April 2007**

500 metres west of centre line of bridge (Route 3A)	500 metres east of centre line of bridge (Route 3A)	Eastern area of saltmarsh beyond 500 metres from bridge	Total numbers of breeding and possible breeding birds
MP MP MP MP MPx2 S S S S WPx30 WPx4	MP MP MP MP MP MP MP MP MP MP MP MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 RB S S S S S S S S S S S S S S S S S SX2	B B CC Cx2 CGx2 D D D D D G GOx2 LI MA MP MP MP MP MP MP MP MP MP MP MP MP MP MP MP MP MP MPx2 MP MP MP MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 R R R RB RB RB RB RB RK RK S S S S S S S SNx3 ST T WP WR WR WR WR WR WR	Bx2 CCx1 CGx1 Dx5 Gx1 GOx1 Llx1 MAx1 MPx59 Rx3 RBx6 RKx2 Sx31 SNx2 STx1 Tx1 WRx6
<b>Totals</b>	<b>Totals</b>	<b>Totals</b>	<b>Grand Total</b>
MPx5 Sx4	MPx22 RBx1 Sx20	Bx2 CCx1 CGx1 Dx5 G GOx1 Llx1 MAx1 MPx32 Rx3 RBx5 RKx2 Sx7 SNx3 STx1 WRx6	124

**Breeding Bird Survey of the Astmoor Saltmarsh on 3rd April 2007**

500 metres west of centre line of bridge (Route 3A)	500 metres east of centre line of bridge (Route 3A)	Eastern area of saltmarsh beyond 500 metres from bridge	Total numbers of breeding and possible breeding birds
Cx2 MPx2 MP RK S	MGx2 MP MP MP MP MP MP MP MP MPx2 MPx2 MPx2 R RB RB RK S S S S S S WR	CGx2 MGx2 MP MP MP MP MP MP MP MP MP MP MP MP MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx4 MPx4 RKx2 S S S S S S S S S S S S Sx2 SNx2	CGx1 MGx2 MPx36 Rx1 RBx2 RKx2 Sx22 SNx1 WRx1
<b>Totals</b>	<b>Totals</b>	<b>Totals</b>	<b>Grand Total</b>
MPx3 SX1	MGx1 MPx10 Rx1 RBx2 RKx1 Sx6 WRx1	CGx1 MGx1 MPx23 RKx1 Sx15 SNx1	68
CONTINUED			

TABLE 6.54 CONTINUED. Breeding Bird Survey of the Widnes Warth Saltmarsh on 18 <sup>th</sup> May 2007			
500 metres west of centre line of bridge (Route 3A)	500 metres east of centre line of bridge (Route 3A)	Eastern area of saltmarsh beyond 500 metres from bridge	Total numbers of breeding and possible breeding birds
D MP MP <u>MP</u> <u>MP</u> <u>MP</u> MPx2 MGx2 MGx2 S <u>S</u> SGx30+ WR WR WPx8	B B B B D D D H MGx2 MGx2 MP MP <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> MPx2 K <u>RB</u> <u>RB</u> <u>RK</u> <u>RK</u> S S S S S S S S S S S S S <u>S</u> S SC SGx10 WR WR	Cx2 CGx20 CGx4x3 young B B B B B B B D D D D D H HGx4 <u>GQ</u> MP MP MP MP MP MP MP MP MP MP MP MP <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 Px2 R R RB RB <u>RB</u> <u>RB</u> <u>RB</u> <u>RB</u> <u>RB</u> <u>RK</u> RK S S S S S S S S S S S S S S S S S SGx10 SMx20 SW SW SW SW SW WH WH WH WH WH WR WR WR WR WR WR WW	Bx11 CGx12 Dx9 GOx1 MGx4 MPx59 Px1 Rx2 RBx9 RKx4 Sx35 SCx1 SWx5 WHx5 WRx10 WWx1
Totals	Totals	Totals	Grand Total
DX1 MPx6 MGx2 Sx2 WRx2	Bx4 Dx3 MGx4 MPx21 RBx2 RKx2 Sx15 SCx1 WRx2	CGx12 Bx7 Dx5 GOx1 MPx32 Px1 Rx2 RBx7 RKx2 Sx18 SWx5 WHx5 WRx6 WWx1	171
<b>Breeding Bird Survey of the Astmoor Saltmarsh on 25<sup>th</sup> May 2007</b>			
500 metres west of centre line of bridge (Route 3A)	500 metres east of centre line of bridge (Route 3A)	Eastern area of saltmarsh beyond 500 metres from bridge	Total numbers of breeding and possible breeding birds
MAx4 <u>MP</u> <u>MP</u> RKx3 S S	MP MP MP MP <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> MPx2 MPx2 <u>RB</u> <u>RK</u> S S S S S S S S	MP MP MP MP MP MP MP MP MP MP MP MP MP MP MP MP <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> MPxfam <u>MR</u> RB <u>RB</u> <u>RBx2</u> S S S S S S S S S S S S S S S SW SW	MAx1 MPx41 MRx1 RBx4 RKx1 Sx27 SWx2
Totals	Totals	Totals	Grand Total
MAx1 MPx2 RKx1 Sx2	MPx13 RBx1 RKx1 Sx9	MPx26 MRx1 RBx2 Sx16 SWx2	77
CONTINUED			
TABLE 6.54 CONTINUED. Breeding Bird Survey of the Widnes Warth Saltmarsh on 5 <sup>th</sup> June 2007			

500 metres west of centre line of bridge (Route 3A)	500 metres east of centre line of bridge (Route 3A)	Eastern area of saltmarsh beyond 500 metres from bridge	Total numbers of breeding and possible breeding birds
MP MP <u>MP</u> MP MP MPx4 MPx2 MPx4 S S S	HMx2 Lx2 MGx2 MP MP MP MP MP MP MP MP MP MP <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> MP MP MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx4 MPx4 RK RKx2 RKx3 RKx4 SGx4 SLx2 SUx4	D <u>L</u> MP MP MP MP MP MP MP MP MP MP <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx4 MPx4 Rxfam <u>RB</u> <u>RB</u> <u>RB</u> <u>RB</u> <u>RB</u> <u>RB</u> <u>RB</u> <u>RB</u> <u>RB</u> <u>RB</u> <u>RB</u> S S S S S S S S S S SL ST ST SW SW SW SW WH WH WH WR WR WR WR WR	Dx1 Lx1 Llx1 MPx65 RBx11 RKx4 Sx34 STx2 SWx4 WHx8
<b>Totals</b>	<b>Totals</b>	<b>Totals</b>	<b>Grand Total</b>
MPx8 Sx3	Lx1 MPx28 RKx4 Sx21	Dx1 Llx1 MPx29 RBx11 Sx10 STx2 SWx4 WHx8	131
<b>Breeding Bird Survey of the Astmoor Saltmarsh on 6<sup>th</sup> June 2007</b>			
500 metres west of centre line of bridge (Route 3A)	500 metres east of centre line of bridge (Route 3A)	Eastern area of saltmarsh beyond 500 metres from bridge	Total numbers of breeding and possible breeding birds
MP MP <u>MP</u> MP <u>MPx2</u> MPx2 MPx2 MPx2 MPx4 RKx3 S S S S	C MP MP <u>MP</u> <u>MP</u> MP MP <u>MP</u> MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx4 <u>RB</u> <u>RB</u> <u>RB</u> <u>RB</u> <u>RB</u> S S S S S S S S S	MAx9 MP MP MP MP MP MP MP MP MP MP MP MP <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> <u>MP</u> MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx2 MPx4 <u>RB</u> <u>RB</u> <u>RB</u> RKx4 S S S S S S S S S S S S S Sx4 SW	MAx1 MPx54 RBx8 RKx2 Sx26 SWx1
<b>Totals</b>	<b>Totals</b>	<b>Totals</b>	<b>Grand Total</b>
MPx9 RKx1 Sx4	MPx14 RBx 5 Sx8	MAx1 MPx31 RBx3 RKx1 Sx13 Sx1 SWx1	92