

1	South Riviera Drive – Sewerby	0.55	0.34	0.00	0.00	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.78	0.10	0.13	<b>0.23</b>	<b>0.78</b>
2	North of Bridlington defences	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	<b>0.05</b>	<b>0.29</b>
3	Bridlington frontage																							
4	Bridlington frontage																							
5	Bridlington frontage																							
6	Bridlington frontage																							
7	Bridlington frontage																							
8	South of Bridlington defences	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>0.00</b>	<b>0.00</b>
9	South Shore holiday village – Wilsthorpe	0.50	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>0.07</b>	<b>0.50</b>
10	South end of Wilsthorpe	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>0.06</b>	<b>0.60</b>
11	North of Auburn Farm	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.06	0.00	0.00	0.00	0.00	0.00	2.62	0.00	0.00	0.00	1.51	0.32	0.62	<b>0.94</b>	<b>3.20</b>
12	Opposite Auburn Farm	0.00	0.00	0.50	0.00	0.00	0.00	0.00	1.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.07	0.00	0.00	0.18	0.31	<b>0.48</b>	<b>3.07</b>
13	South of Auburn Farm	0.00	2.00	0.00	1.00	0.60	0.63	0.00	1.14	0.28	2.29	0.00	0.00	0.00	0.00	1.09	0.00	0.00	0.00	0.00	0.09	0.82	<b>0.90</b>	<b>2.29</b>
14	North of Earls Dyke – Barmston	0.00	3.40	0.00	3.40	1.30	0.74	0.34	0.00	1.22	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.75	<b>1.08</b>	<b>3.40</b>
15	South of Earl's Dyke – Barmston	0.00	2.70	0.00	0.60	0.90	4.10	0.73	0.31	1.71	2.11	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.98	<b>1.36</b>	<b>4.10</b>
16	Watermill Grounds – north of Barmston	0.00	3.80	0.00	2.80	0.40	1.99	0.55	0.00	2.16	4.38	0.26	0.00	0.00	0.00	0.00	0.00	0.87	0.00	1.79	0.34	1.56	<b>1.90</b>	<b>4.38</b>
17	Opposite Hamilton Hill – north of Barmston	1.50	1.00	0.00	0.00	0.00	6.86	0.00	0.00	1.31	0.00	0.00	4.95	0.00	0.00	0.85	0.00	0.00	0.60	0.00	0.37	1.34	<b>1.71</b>	<b>6.86</b>
18	North of Barmston Beach holiday park	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00	3.04	1.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.14	<b>0.48</b>	<b>3.04</b>
19	South of Sands Lane – Barmston	0.30	0.50	0.00	0.00	1.50	0.79	0.31	0.00	1.52	2.25	0.00	1.03	0.00	1.37	2.40	0.00	0.00	0.49	0.00	0.60	1.01	<b>1.61</b>	<b>3.63</b>
20	Opposite Barmston outfall	0.00	0.00	0.00	0.00	0.00	0.00	1.28	0.00	1.49	1.15	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.31	0.12	<b>0.43</b>	<b>1.49</b>
21	Opposite Brickdale – south of Barmston	0.00	2.70	0.00	0.00	4.20	0.00	0.00	0.00	4.82	4.76	0.00	0.53	0.00	0.00	1.10	0.20	0.00	1.72	0.00	1.01	0.99	<b>2.00</b>	<b>4.82</b>
22	North boundary of Seaside caravan park – Ulrome	0.00	3.30	0.00	0.00	1.50	1.54	0.67	0.00	3.12	3.65	1.43	0.00	0.95	2.95	0.00	0.00	1.44	0.00	1.35	1.05	1.14	<b>2.19</b>	<b>3.65</b>
23	South end of Seaside caravan park – Ulrome	0.00	0.00	0.00	0.00	0.70	0.00	0.83	0.00	2.36	0.31	0.00	0.00	0.00	1.80	0.36	0.00	0.00	1.37	0.00	0.43	0.35	<b>0.77</b>	<b>2.36</b>
24	Opposite Southfield Lane – Ulrome/Skipsea	0.00	0.00	0.40	0.00	1.20	6.08	0.00	1.32	0.45	2.98	0.00	0.00	0.47	0.00	1.24	1.61	0.00	0.00	0.54	0.38	1.25	<b>1.63</b>	<b>6.08</b>
25	North end of Green Lane – Skipsea	0.00	1.40	0.00	1.70	1.00	0.90	0.77	5.07	0.00	3.87	2.71	1.09	0.00	1.78	0.93	3.94	0.00	2.35	1.34	0.68	2.50	<b>3.18</b>	<b>5.07</b>
26	South of Green Lane – Skipsea	0.00	0.00	0.00	0.00	0.00	0.00	1.26	0.38	4.20	0.00	4.32	0.00	2.87	0.51	0.00	0.00	0.00	0.00	1.40	0.09	1.41	<b>1.49</b>	<b>4.32</b>
27	Opposite Skipsea	0.00	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.31	1.73	5.00	0.00	1.93	0.00	0.17	1.58	<b>1.75</b>	<b>6.31</b>
28	Cliff Road (Hornsea Road) – south of Skipsea	0.00	0.00	0.00	0.00	0.00	0.00	1.70	1.54	0.00	0.00	0.00	0.00	0.00	1.45	6.05	0.00	3.34	2.60	0.56	1.55	<b>2.11</b>	<b>6.05</b>	
29	South of Skipsea Withow	0.00	0.00	0.00	0.00	1.20	0.00	0.00	0.73	0.00	1.59	0.00	0.00	0.00	0.34	1.34	0.00	0.69	4.94	6.11	0.65	1.05	<b>1.69</b>	<b>6.11</b>
30	Golf course – north of Skirlington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.55	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.26	2.25	0.28	0.30	<b>0.58</b>	<b>2.25</b>
31	North end of Low Skirlington caravan park	0.00	0.00	1.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.81	0.00	0.19	0.08	<b>0.27</b>	<b>1.90</b>
32	Within Low Skirlington caravan park	0.00	1.00	1.70	0.00	0.00	0.00	1.14	0.00	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.83	0.00	0.25	0.30	<b>0.56</b>	<b>1.70</b>
33	South end of Low Skirlington caravan park	0.00	3.40	2.10	0.00	0.00	0.00	2.62	0.00	0.00	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.54	0.47	0.57	<b>1.05</b>	<b>3.40</b>
34	North end of Long Lane – Atwick	0.00	0.00	1.90	0.00	1.50	0.00	0.39	1.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.45	0.00	0.82	0.12	<b>0.94</b>	<b>4.45</b>
35	Opposite Long Lane – Atwick	0.00	0.00	0.00	2.90	0.00	1.58	0.82	0.83	0.00	0.00	0.00	2.78	0.00	0.00	0.00	0.00	0.00	0.00	1.23	0.08	0.93	<b>1.01</b>	<b>2.90</b>
36	Opposite Cliff Road – Atwick	0.00	4.00	0.00	0.00	0.00	5.54	0.00	0.00	0.00	0.93	0.00	1.13	5.06	0.00	0.00	0.00	0.00	0.00	2.14	0.21	1.67	<b>1.88</b>	<b>5.54</b>
37	South of Atwick	0.00	0.00	0.00	0.20	0.50	0.00	2.20	2.96	1.20	0.50	0.00	0.00	0.00	0.00	3.45	0.00	0.00	0.91	1.60	0.48	0.87	<b>1.35</b>	<b>3.45</b>
38	North of Atwick Gap (boat club ramp) – Hornsea	0.00	0.00	2.10	0.00	0.60	0.00	0.39	0.00	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.00	1.48	0.36	0.19	<b>0.55</b>	<b>2.10</b>
39	North end of Cliff Road – Hornsea	0.00	0.00	0.00	0.00	0.00	0.00	0.71	0.00	0.62	0.00	3.97	0.00	0.00	2.50	2.09	0.00	0.00	0.00	0.00	0.74	0.25	<b>0.99</b>	<b>3.97</b>
40	South of Nutana Avenue – Hornsea	0.00	0.00	0.00	0.00	0.00	0.00	1.23	0.00	0.00	0.00	1.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.24	0.06	<b>0.29</b>	<b>1.23</b>
41	North end of Hornsea frontage	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	<b>0.00</b>	<b>0.00</b>
42	Hornsea frontage																							
43	Hornsea frontage																							
44	Hornsea frontage																							
45	Caravan park to south of defences	0.00	0.00	5.50	0.80	0.00	0.00	4.33	0.27	3.76	3.26	4.72	0.00	1.39	4.94	0.00	3.82	0.00	0.19	0.13	1.98	1.38	<b>3.37</b>	<b>5.50</b>
46	South of Hornsea	0.00	0.00	1.00	3.10	0.00	1.82	2.83	1.80	1.58	1.72	2.87	2.72	0.00	4.06	1.04	4.72	0.00	0.00	1.07	1.04	1.99	<b>3.03</b>	<b>4.72</b>
47	Rolston firing range	0.00	0.80	0.60	5.30	0.00	2.12	1.01	0.92	0.40	2.25	1.16	0.62	0.00	4.60	0.00	3.87	5.20	0.00	0.00	0.84	2.79	<b>3.63</b>	<b>7.44</b>
48	Opposite Rolston	0.00	0.00	3.40	1.30	0.00	3.92	1.53	0.00	2.03	3.48	0.00	0.00	0.00	6.24	0.00	1.44	0.00	2.28	1.62	0.86	2.10	<b>2.95</b>	<b>6.24</b>



97	Opposite sewage works off Holmpton Road	2.70	5.50	0.40	3.20	0.00	10.54	9.00	6.73	0.59	0.00	0.00	2.08	2.72	9.41	2.04	0.76	0.00	0.62	1.68	1.89	1.91	4.07	5.99	10.54
98	North of Nevilles Farm – Holmpton	0.00	0.60	2.50	9.30	0.00	4.09	0.68	10.40	2.62	0.65	0.00	0.00	0.00	1.21	1.31	0.00	0.00	0.00	1.47	1.54	0.86	2.78	3.64	10.40
99	North of The Runnell – Holmpton	0.90	1.40	0.20	0.70	2.60	0.00	4.28	2.23	18.84	6.21	0.00	0.00	0.00	0.00	0.00	1.44	0.00	0.00	0.00	0.00	2.68	1.20	3.88	18.84
100	North of Holmpton village	0.40	1.20	0.80	1.50	0.00	0.99	0.00	3.88	0.60	9.06	0.00	0.97	0.00	1.30	0.00	0.95	0.00	0.00	0.54	0.00	0.23	1.99	2.22	9.06
101	Opposite Holmpton village	0.00	0.70	4.80	0.90	0.00	0.00	0.00	2.58	1.44	1.33	1.52	2.36	0.00	1.53	0.00	0.00	0.00	1.03	0.00	4.13	0.78	1.46	2.23	4.80
102	South of Holmpton village	0.00	0.00	2.30	1.10	0.00	0.00	0.00	0.00	0.97	1.07	3.97	0.00	0.00	1.16	0.00	0.00	0.00	1.12	0.00	3.89	0.72	0.83	1.56	3.97
103	South of Holmpton village	0.00	0.00	0.20	0.00	0.00	2.43	1.04	0.00	0.63	0.00	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.78	1.01	0.39	0.34	0.73	2.43
104	North of Out Newton	0.17	0.00	0.10	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	1.22	0.00	0.00	0.63	0.00	0.16	0.12	0.28	1.22
105	Opposite Out Newton	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.10	0.97
106	South of Out Newton	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.75	0.00	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.00	0.53	4.75
107	Dimlington High Land	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.09	0.50
108	South of Dimlington High Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.00	0.00	0.00	4.61	2.13	0.00	0.00	0.00	0.00	0.00	0.55	0.21	0.76	4.61
109	Between Dimlington High Land and Easington	0.00	0.00	0.00	0.00	0.00	0.93	0.00	2.43	0.93	1.10	0.24	0.00	0.00	1.04	0.00	0.54	0.00	0.00	0.00	0.00	0.12	0.60	0.72	2.43
110	Easington defences																								
111	Easington defences																								
112	Easington defences																								
113	South of Easington	0.30	0.30	0.20	0.20	0.40	0.00	0.51	3.66	1.16	3.44	0.90	0.00	0.00	1.10	2.29	3.18	0.00	0.00	0.00	1.08	0.58	1.30	1.87	3.66
114	Opposite Seaside Road – Easington	0.90	0.00	0.00	0.00	1.50	2.30	0.30	0.00	0.00	2.83	0.66	0.00	0.00	4.17	0.00	0.97	0.00	1.07	0.00	1.91	0.34	1.33	1.66	4.17
115	Easington/Kilnsea dunes																								
116	Easington/Kilnsea dunes																								
117	Easington/Kilnsea dunes																								
118	South end of Lagoon/Dune SSSI – Kilnsea	1.62	1.62	1.62	0.11	0.11	0.11	0.11	0.11	0.00	1.43	2.20	5.11	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.85	1.45	5.11
119	North of Godwin Battery site – Kilnsea	0.35	0.40	0.40	2.20	0.00	0.67	0.00	0.00	0.00	1.38	0.00	2.14	0.00	5.84	0.00	0.00	0.00	0.00	0.00	0.00	0.08	1.26	1.34	5.84
120	South of Blue Bell – Kilnsea	1.36	1.36	1.36	1.36	1.00	0.67	0.85	0.68	4.54	1.72	0.00	0.00	0.00	0.79	1.99	0.00	0.00	0.00	0.00	0.00	1.11	0.66	1.77	4.54
121	Between Kilnsea and Spurn	0.00	1.20	0.00	0.40	0.00	1.18	0.00	0.25	0.00	1.70	1.26	0.33	0.00	1.56	1.66	0.00	0.00	1.53	0.00	0.00	0.29	0.82	1.11	1.70
122	North end of Spurn	0.00	0.46	0.00	0.00	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.05	0.12	0.70
123	Neck of Spurn peninsula [lost December 2013]	0.00	3.35	0.00	2.30	1.30	0.00	0.00	6.00	0.90	0.00	1.94	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.41	1.24	1.66	6.00
	<i>seasonal averages for entire coast year</i>	0.19	0.70	0.67	1.03	0.38	1.17	0.75	1.04	1.15	1.64	0.44	0.90	0.17	1.13	0.63	0.91	0.23	0.34	0.66	1.22	0.53	1.01	1.53	
	<i>seasonal averages for undefended cliff year</i>		0.89		1.70		1.56		1.79		2.79		1.34		1.30		1.54		0.57	1.88					
	<i>seasonal averages for undefended cliff year</i>	0.22	0.82	0.78	1.20	0.45	1.38	0.88	1.21	1.35	1.92	0.52	1.05	0.20	1.32	0.74	1.07	0.26	0.40	0.77	1.43	0.62	1.18	1.80	
		1.04		1.99		1.82		2.10		3.27		1.57		1.52		1.81		0.66	2.21						
	<b>All values in metres</b>	Autumn 2003	Spring 2004	Autumn 2004	Spring 2005	Autumn 2005	Spring 2006	Autumn 2006	Spring 2007	Autumn 2007	Spring 2008	Autumn 2008	Spring 2009	Autumn 2009	Spring 2010	Autumn 2010	Spring 2011	Autumn 2011	Spring 2012	Autumn 2012	Spring 2013	Spring 2012	Autumn 2012	Year	Max
		[2003]		[2004]		[2005]		[2006]		[2007]		[2008]		[2009]		[2010]		[2011]		[2012]		34.31%	65.69%		

### East Yorkshire coastal erosion Cliff loss for the first ten years (of twice-yearly monitoring)

Italicised values are averages between surveys

Possible rounding differences

Prepared by Brian Williams, March 2014

Original data supplied by East Riding of Yorkshire Council

[www.urbanrim.org.uk/data-first-ten-years](http://www.urbanrim.org.uk/data-first-ten-years)