Atlas 2020

South-east Yorkshire vc61

Action Plan

PROGRESS REPORT

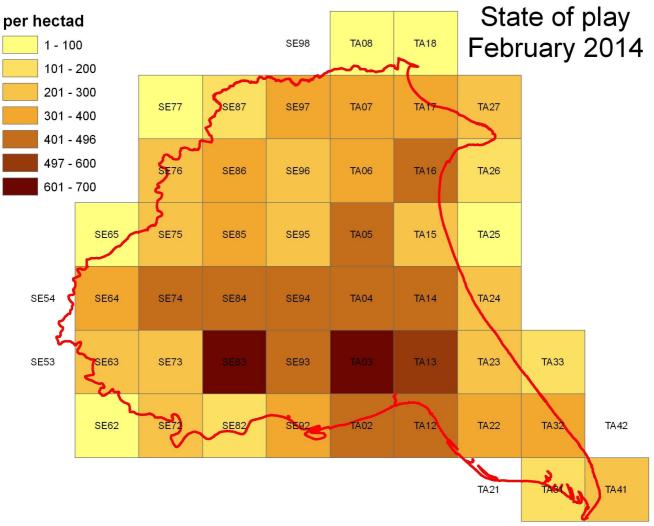
Richard Middleton Peter J Cook

October 2016

Introduction

The objective of this document is to outline the strategy that will be adopted to ensure that the entire vice-county is adequately surveyed for the forthcoming Atlas 2020. Although the data, as presented in the atlas, will show presence, there will frequently be an assumption that the absence of records also indicates absence of the taxon. Since the final product will show distributions at the hectad level, the target must be to ensure that all of the different taxa growing in the ten kilometre squares of vc61 are recorded. This is clearly unrealistic and a compromise must be made in order to maximise the number of taxa recorded while ensuring that the rarer, and often more significant ones, are not missed in the process.

We are fortunate that many of the botanically important sites within the vice-county have been surveyed within the last five years as part of the East Riding's Local Wildlife Site identification and designation scheme. These records form a strong foundation for Atlas2020, although the northernmost parishes were excluded as they now form part of the North Riding of Yorkshire.



The above figure represents the number of distinct taxa recorded in the master Mapmate database, for each of the vc's hectads, since 2000. As expected there is a wide variation in the data, partially reflecting the true heterogeneity of the plant distributions but with a notable artefact of the distribution of observers (around Hull).

Таха

Tetrad selection criteria

In order to ensure that an adequate minimum level of effort is put into recording throughout the whole vice-county, a set of "priority tetrads" has been established. Over the next six seasons an attempt will be made to ensure that each of these is thoroughly recorded. It will also provide a focus for members who can feel confident that by visiting and recording in any of these areas they will be making a real contribution towards the scheme.

Pass 1: pragmatic selections

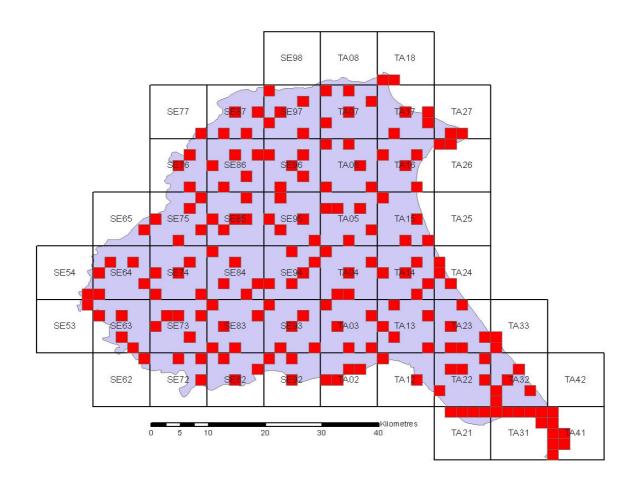
Some hectads have very little land within the vice-county, either because they are on the boundary of others or are either coastal or estuarine. If the hectad is shared with other vcs a light touch has been taken and tetrads have been selected only where they provide good examples of useful habitat types or have particularly good access. With the coastal hectads a more vigorous approach has been taken and in many cases the selected tetrads will represent (much) more than the 20% normal target. In some rare instances, where the total land area of the hectad is much less than 4km², no particular effort will be directed.

Pass 2: reasoned selections

Minimum of 20% coverage sampling all significant habitats with an attempt to include-

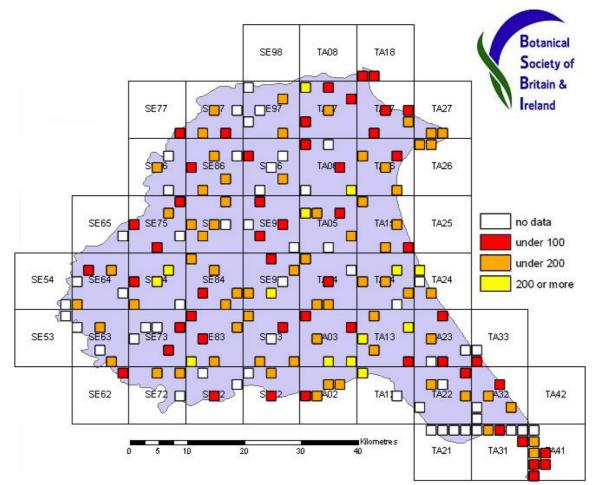
- a. One tetrad known to be rich
- b. One tetrad with good variety of habitat
- c. One tetrad with good access
- d. One tetrad with few previous records
- e. One tetrad with an unusual plant/assemblage

In practice for many hectads the selected tetradswill satisfy more than one of the criteria. With coastal hectads, where the rest will not be picked up by another vice-county, it may be necessary to exceed the 20% threshold to ensure full coverage.

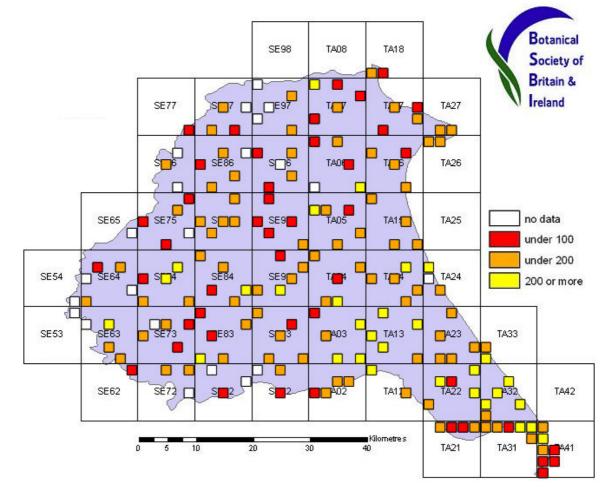


The 186 selected tetrads

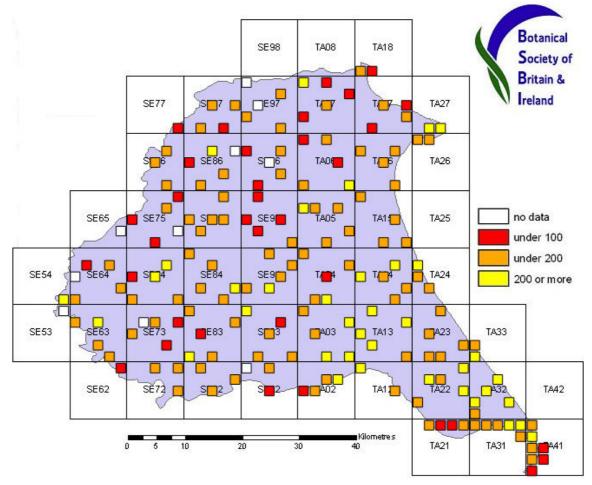
Start of 2014 season



End of 2014 season



End of 2015 season



4/2014 12/2014 2015 2016 **SE53** (181) (-) (0) Ζ Kelfield 181 **SE54** (-) $(\mathbf{0})$ (206)206 V Stillingfleet (220) **SE62** (32) (32) Ζ Barmby-on-the-Marsh 220 32 х **SE63** (222) (338)(385) D Riccall 132 Osgodby & Lund L -165 Х Skipwith Common 153 216 Ν х Hemingborough 122 Q х **SE64** (321) (344)(361) (404)Stillingfleet Grange Α 143 Х С Naburn Moor 177 Ι Tilmire 86 х т Wheldrake Wood 155 Х W **Thicket Priory** 131 **SE65** (1) (2) W Hagg Wood **SE72** (287)(310)(337) Ρ Howden 188 Х Х Saltmarshe 143 Ζ Eastrington 113 Х **SE73** (237) (341)(404)С Breighton 180 х Aughton Common -152 Ι Ν Foggathorpe 173 _ Х 36 203 R Spaldington х 33 186 Υ Arglam х **SE74** (495) (514)(533) Α Ellerton Common 127 х С Storwood 78 х 207 Μ Melbourne Х Allerthorpe Common т 265 Х V Seaton Ross 150 х **SE75** (266)(281)(375)С Stamford Bridge 16 х 223 Κ **Bolton Hall** 78 х Bugthorpe 101 т х W 145 Yapham -Gorman Castle 71 Ζ Х **SE76** (226)(321)(226)Μ Westow 115 Х 115 Q Leppington Menethorpe (Low Hutton) 164 т **SE77** (63)(63)ν Norton-on-Derwent 63 х **SE82** (186) (185)(333) J Gilberdyke 177 Μ Blacktoft 12 132 Υ Broomfleet 167 (584) **SE83** (577) (588)Α Owsthorpe 280 Х 115 Е Holme-on-Spalding-Moor 1

Appendix 1: Priority tetrads

	1 -			Last l	updated 21	1/10/2016
	Η	Tollingham	82		х	
	Κ	Sandholme Landing	161		х	
	Y	Houghton Moor	100		Х	
SE84			(473)	(508)	(530)	
	Ε	Pocklington	189		X	
	G	Thorpe Whin	1		140	
	Ν	Partridge Hall	126		X	
	Q	Market Weighton	119	184	X	
	W	Goodmanham	191	254	X	
SE85			(377)	(390)	(397)	
	С	Bishop Wilton Wold	191		x	
	G	Millington Wood	131	151	182	
	Μ	Millington Pastures	148		x	
	S	West Field, Huggate	-	102	x	
	U	Fridaythorpe	146		х	
SE86			(363)	(384)	(412)	(423)
	С	Birdsall	81		х	
	F	Thixendale	146	148	x	
	Ν	North Grimston	104		212	
	R	Burdale	117	152	X	
	Υ	Duggleby	-			155
SE87			(170)	(247)	(277)	(332)
	F	Settrington	124		x	
	Μ	Rillington	-	169	х	
	Q	Settrington Beacon	1		x	160
	X	East Knapton	-		135	
SE92			(362)	(375)		(393)
	Ε	Ellerker Ings	-		_	108
	М	Brough Airfield	49		х	
	Р	Brantingham	129		х	138
SE93			(439)	(464)	(476)	(477)
	Ε	Sancton	192		221	
	F	South Cave	117		х	
	М	High Hunsley	-	129	х	131
	Т	Walkington Wold	1		х	136
	V	Raywell	116		X	
SE94			(427)	(429)	(451)	(453)
	В	Springwell	139		X	144
	L	Gardham	205		X	
	P	Middleton-on-the-Wolds	78		177	
	S	South Dalton	-	118	X	
	Y	Lockington	106		X	
SE95	-		(232)	(271)	(310)	
	С	Haywold	-	84	91	
	G	North Dalton	20	01	56	
	J	Wetwang	99		x	101
	S	Tibthorpe	47		X	101
	v	Cawkeld	-	128	X	
SE96	•		(237)	(272)	(301)	(335)
JEJU	D	Kirby Grindalythe	90	(_/_/	×	157
	F	Sledmere Field		68	X	137
	M	Sledmere Castle		00	~	
	R	Sledmere Grange	136		165	171
	T	Cowlam Grange	130	110		1/1
SE97			(222)		X (254)	(262)
353/	D	West Heslerton Wold	(333)	(331)	(354)	(362)
	B		-		108	00
	E	Yeddingham Ings	-		•	88
	Η	East Heslerton	-			

	1	1		Last	updated 21	1/10/2010
	Q	Duggleby Wold	117		X	
	Т	Potter Brompton	162		X	
TA02			(424)	(446)	(456)	(488)
	С	Humber Bridge Country Park	23		X	170
	Н	Hessle	174		X	
	Ν	Priory Sidings	187		X	
	Т	St Andrew's Quay	146	186	217	
TA03			(616)	(623)	(630)	(648)
	Ε	Westwood	98		140	
	Η	Jillywood	145		X	154
	Κ	Willerby Carr	249		X	
	V	Sculcoates	276		X	
	Y	Wawne	97	237	Х	
TA04			(496)	(519)		
	Ε	Watton Beck	178		X	
	F	Beverley north	126	190	Х	
	Κ	Swine Moor	197	256	X	
	Μ	Arram Carr	93		X	
	Υ	Heigholme	-	135	х	
TA05			(426)	(451)	(453)	
	D	Kelleythorpe	209		х	
	Ι	Driffield	155		Х	
	Κ	Cranswick Common	-	121	Х	
	Т	Wansford	54		130	
	W	North Frodingham	114		x	
TA06			(363)	(391)	(400)	
	Α	Driffield Wold	-		113	
	Ε	Octon	30		х	
	Ρ	Swaythorpe	-	131	х	
	S	Kilham east	79		X	
	V	Harpham	214		X	
TA07	_		(343)	(348)	(367)	(386)
	В	Foxholes	1		Х	138
	E	Willerby	218		X	
	M	Fordon	110		186	
	P	Folkton	11		67	119
	Y	Hunmanby	98		X	
TA12			(402)	(438)		(454)
	E	Drypool	235	236	X	450
7410	S	Paull Holme	-	141	Х	156
TA13		Llink Dynakolus	(553)	(568)		(591)
	C	High Bransholme	221	200	X	
	G	Riseholme Carr	185	209	X	
	J	Benningholme	189	217	X	102
	V	Preston	5	175	X	182
TA 1 4	Y	Burton Constable	250		X	(494)
TA14			(459)	(465)	(477)	(484)
	C	Leven	155		203	
	M	Sigglesthorne	142	115	X	142
	Q T	Ruddens	-	115	X	143
	W	Wassand Groat Hatfield	210		X	
TAIF	vv	Great Hatfield		(220)	X (227)	
TA15	F	Croat Kalk	(299)	(320)	(327)	
	E	Great Kelk	103		X	
	K	Billings Hill	112		X	
	S V	Skipsea	130	140	X	
TAIC	V	Atwick	57	148	X	
TA16			(446)	(442)	(462)	

Last updated 21/10/2016

D Thorpe Hall 128 x M Carnaby 104 x Q Fraishorpe Sands 131 152 T Bridlington 75 163 TA17 F Grindale 95 x M Speeton 71 160 x M Speeton 71 160 x M Bempton Cliff 65 - x TA18 - (5) (127) - TA1 Bempton Cliff 65 - x TA1 Store Creek - 106 118 Cown Farm - 47 x - TA21 Store Creek - 106 118 J Store Creek - 106 118 TA21 Bernstwick 177 208 x TA21 Bernstwick 177 208 x TA21 Store Creek - <th< th=""><th></th><th>_</th><th></th><th></th><th>Last i</th><th>updated 21</th><th>1/10/2016</th></th<>		_			Last i	updated 21	1/10/2016
Q Fraishorpe Sands 131 152 152 T Bridington 75 163 163 TA17 F Grindale 95 - X M Speeton 71 160 X W Bempton Cliff 65 - X TA18 - (5) (127) - TA18 - (5) (127) - TA18 - (16) (1827) - TA2 - (16) (183) - TA2 - 106 118 - V Stone Creek - 106 118 - TA2 - 100 X - - 103 X TA2 - 100 X - 100 X - TA3 - 106 127 - - 106 X TA2 Ros south 100 229		D	Thorpe Hall	128		X	
TA12 To bridlington 75 163 TA17 F Grindale 95 X M Speeton 71 160 x W Bempton 150 X X X Bempton 55 X X X Bempton Cliff 65 X X X Bempton Cliff 65 127 X X Bempton Cliff 65 127 X X Bempton Cliff 65 128 X X Filey Brigg 1 59 X TA2 - (-) (176) (183) TA2 Filey Brigg - 83 X U Sunk Island - 83 X I Burstwick 177 208 X X Winestead 180 229 X X Winestead 180 229 X X Wine		-					
TA17 - (311) (329) - M Speeton 71 160 x W Bempton 150 - x W Bempton Cliff 65 - x TA18 - (5) (127) - A Filey 4 109 x TA1 - 150 - x TA1 - 100 x - F Filey Brigg 1 59 x - TA1 - 100 x - - J Stone Creek - 106 118 - U Sunk Island - 83 x - TA2 - (337) (465) (485) - TA2 - 106 x - - K Burstwick 177 208 x - TA2 - 67 109 - - X Winestead 180 180							
F Grindale 95 X X M Speeton 71 160 X W Bernpton Cliff 65 X X X Bernpton Cliff 65 X X TA18 (5) (127) X X F Filey Brigg 1 59 X X TA21 (1) Stone Creek - 106 118 P Crown Farm - 47 X X U Sunk Island - 83 X X TA22 Torrey Crofts - 106 X X N Kelsey - 67 109 X TA3 Torrey Crofts - 134 X X Ros south 60 327 X X X Rdbrough 45 108 134 X X K Burton Pidsea 77 136		Т	Bridlington			163	
M Speeton 71 160 x X Bempton 150 x x X Bempton Cliff 65 x x A Filey 4 109 x x A Filey Brigg 1 59 x x TA1 Filey Brigg 1 59 x x TA21 (To Cown Farm - 47 x x U Stone Creek - 106 118 x x TA22 (To Cown Farm - 47 x x x B Thorney Crofts - 106 X x x X Winestead 180 229 X x x TA23 K Elever Ange - 67 109 X K Burton Pidsea 77 136 X x x TA24 K Burton Pidsea 7	TA17			(311)	(329)		
W Bempton 150 × × TA18 65 × × A Filey 4 109 × F Filey Brigg 1 59 × TA21 - (f) (176) (183) P Stone Creek - 106 118 P Crown Farm - 47 × U Sunk Island - 83 × TA2 - 106 X - TA2 - 103 × - U Sunk Island - 83 × TA2 - (337) (465) (485) B Thorney Crofts - 106 × TA2 - 67 109 - X Winestead 180 229 × - TA2 - 134 × - TA2 - 117		F	Grindale	95		х	
X Bernpton Cliff 65 x x TA18 Filey (1) (127) x A Filey Bridg 1 59 x F Filey Bridg 1 59 x J Stone Creek - 106 118 P Crown Farm - 47 x U Sunk Island - 477 x TA22 Cown Farm - 103 x TA23 - - 103 x TA24 B Thorney Crofts - 106 x X Winestead 180 229 x - X Winestead 180 229 x - X Burton Pidsea 77 136 x - X Burton Pidsea 77 136 x - A Authorough 45 108 135 - X		Μ	Speeton	71	160	х	
TA18 - (5) (127) - A Filey Brigg 1 59 x TA21 - (-) (176) (183) J Stone Creek - 106 118 P Crown Farm - 47 x U Sunk Island - 83 x TA22 Fisherman's Channel - 100 x TA23 - - 103 x TA23 B Thorney Crofts - 106 x I Burstwick 177 208 x - Z Roos south 60 327 x - TA23 - - 134 x - K Burton Pidsa 77 136 x - Aldbrough 45 108 156 - - W Hilston - 170 - - 170		W	Bempton	150		х	
AFiley Brigg4109xxTA21FFiley Brigg159xTA21JStone Creek-106118PCrown Farm-47xUSunk Island-83xTA22Fisherman's Channel-103xTA23K-1005XTA24BThorney Crofts-106xIBurstwick177208x-TA3C-67109-XWinestead180229x-TA3C80000327x-TA3C8000032003661(364)FLelley Grange-134x-FAdbrough451081356-FLelley Grange-143x156FAldbrough451081356-FAldbrough451081356-FAldbrough1171433x156FSewerby108104132-FFFamborugh Head104132-FFFamborugh Village127238xFFFamborugh Village127238xFFFamborugh Head114219-FFFamborugh Head114117-		Χ	Bempton Cliff	65		х	
FFiley Brigg159xxTA21C(176)(183)TA2F(176)(183)PCrown Farm-47xUSunk Island-47xZFisherman's Channel-103xTA22-(337)(465)(485)TA23-(337)(465)(485)IBurstwick177208xTA3-60327xTA3FLelley Grange-61333TA3FLelley Grange-134xTA3FLelley Grange-134xTA3FLelley Grange-149x156TA4KBurton Pidsa77136x108156TA4FLelley Grange-149x156TA4FLelley Grange-149x156TA4FLelley Grange-149x156TA4FLelley Grange-149x156TA4FLelley Grange-149x156TA5GSoloth-149x156TA4FLelley Grange-149x156TA5GGoldon-149x156TA5GGoldon-149x156TA5G <th>TA18</th> <th></th> <th></th> <th>(5)</th> <th>(127)</th> <th></th> <th></th>	TA18			(5)	(127)		
TA21		Α	Filey	4	109	х	
J Stone Creek - 106 118 P Crown Farm - 47 x U Sunk Island - 83 x Z Fisherman's Channel - 103 x TA22 (337) (465) (485) B Thorney Crofts - 106 x I Burstwick 177 208 x X Winestead 180 229 x Z Roos south 60 327 x TA23 - (224) (320) (361) (364) K Burton Pidsea 77 136 x - K Burton Pidsea 77 136 x - M Humbleton 117 143 x - K Burton Pidsea 77 136 x - M Hibrough 45 108 156 TA24 -		F	Filey Brigg	1	59	x	
P Crown Farm - 47 x Z V Sunk Island - 83 x Z Fisherman's Channel - 103 x TA22 - (465) (485) (485) B Thorney Crofts - 106 x I Burstwick 177 208 x X Kelsey - 67 109 X Winestead 180 229 x Z Ros south 60 327 x TA23 - (224) (320) (361) (364) K Burton Pidsea 77 136 x - Adbrough 45 18 156 - M Humbleton 117 143 x - Adbrough 45 138 156 - TA24 - (177) (288) (337) TA25 C <t< th=""><th>TA21</th><th></th><th></th><th>(-)</th><th>(176)</th><th>(183)</th><th></th></t<>	TA21			(-)	(176)	(183)	
U Sunk Island - 83 x Z Fisherman's Channel - 103 X B Thorney Crofts - 106 x I Burstwick 177 208 x N Kelsey - 67 109 X Winestead 180 229 x TA23 - (224) (320) (361) (364) H Winestead 180 229 x - TA3 - (224) (320) (361) (364) K Burton Pidsea 77 136 x - H Humbleton 117 143 x - K Burton Pidsea 77 136 x - M Hilston - 149 x 156 TA24 - C Rolston - 170 - D Hornsea 223 X		J	Stone Creek	-	106	118	
Z Fisherman's Channel - 103 X TA22 - (337) (465) (485) B Thorney Crofts - 106 X N Kelsey - 67 109 X Winestead 180 229 X Z Roos south 60 327 X TA23 - (224) (320) (361) (364) F Lelley Grange - 134 X - TA23 - (224) (320) (361) (364) F Lelley Grange - 134 X - F Lelley Grange - 136 X - F Lelley Grange 77 136 X - - F Autorough 45 108 156 - - - 170 C Rolston - 170 128 (337) - - - - - - - - - - <t< th=""><th></th><th>Ρ</th><th>Crown Farm</th><th>-</th><th>47</th><th>Х</th><th></th></t<>		Ρ	Crown Farm	-	47	Х	
TA22 > memory Crofts (337) (465) (485) B Thorney Crofts - 106 x N Kelsey - 67 109 X Winestead 180 229 x Z Ross south 60 327 x TA33 - (224) (320) (361) (364) F Lelley Grange - 134 x - H Humbleton 117 143 x - K Burton Pidsea 77 136 X - M Hilston - 149 x - M Horonsea 233 (337) - - TA24 - (193) (193) (243) - D Hornsea 233 (232) (329) - TA26 - (193) (193) (243) - E Sewerby 169 192 - - TA2 - (233)		U	Sunk Island	-	83	х	
B Thorney Crofts - 106 x I Burstwick 177 208 x N Kelsey - 67 109 X Winestead 180 229 x Z Roos south 60 327 x TA23 (224) (320) (361) (364) F Lelley Grange - 134 x H Humbleton 117 143 x P Aldbrough 45 108 156 Y Hilston - 149 x 156 TA24 (277) (288) (337) 16 x 170 D Horsea 223 x 170 170 170 170 D Horsea 223 x 170 170 170 170 G G act Cowden 108 x 170 170 170 171 170 1		Ζ	Fisherman's Channel	-	103	х	
B Thorney Crofts - 106 x I Burstwick 177 208 x N Kelsey - 67 109 X Winestead 180 229 x Z Roos south 60 327 x TA23 - (224) (320) (361) (364) F Lelley Grange - 134 x - H Humbleton 117 143 x - P Aldbrough 45 108 156 - TA24 - (277) (288) (337) - G Galston - 149 x 156 TA24 - (277) (288) (337) - G Gaston - 170 - 170 - TA24 - (277) (288) (327) - - 170 - - <	TA22			(337)	(465)	(485)	
I Burstwick 177 208 x N Kelsey 67 109 X Winestead 180 229 x Z Roos south 60 327 x TA23 - (224) (320) (361) (364) F Lelley Grange - 117 143 x H Humbleton 117 143 x 156 P Aldbrough 45 108 156 W Hilston - 149 x 156 TA24 C Rolston - 149 x 156 TA24 C Rolston - 170 170 170 D Hornsea 223 x x 170 G Great Cowden 108 x 170 TA26 C Rolston x 172 TA27 G Sewerby 169		В	Thorney Crofts				
X Winestead 180 229 X Z Roos south 60 327 x TA23 (224) (320) (361) (364) F Lelley Grange - 134 x H Humbleton 117 143 x K Burton Pidsea 77 136 x P Aldbrough 45 108 156 W Hilston - 149 x 156 TA24 (277) (288) (337) 160 170 D Hornsea 223 X X 170 D Hornsea 223 X X 169 TA26 (193) (193) (243) 161 112 TA27 Sewerby 169 192 156 TA27 E Sewerby 169 192 156 TA27 E Newlands - 104 X		Ι		177	208	Х	
Z Roos south 60 327 x TA23 (224) (320) (361) (364) F Lelley Grange - 134 x H Humbleton 117 143 x K Burton Pidsea 77 136 x P Aldbrough 45 108 156 W Hilston - 149 x 156 TA24 C Rolston - 149 x 156 TA24 C Rolston - 170 233 23 x 233 G Great Cowden 108 x 100 x 101 TA26 (193) (193) (243) 243 243 J South Landing 104 156 244 204 244 TA27 (233) (232) (369) (378) 244 J South Landing 104 x 204 204 TA31 F Flamborough Hea		Ν	Kelsey	-	67	109	
TA23 Image: marger state of the state		Χ	Winestead	180	229	х	
F Lelley Grange 1 <		Ζ	Roos south	60	327	х	
HHumbleton117143xKBurton Pidsea77136x1PAldbrough45108156WHilston-149x156TA24CRoiston-149x156TA24CRoiston-170(288)(337)CRoiston-170223x160GGreat Cowden108x170170TA26Sewerby169193(243)170TA27CSouth Landing104156170TA31MC(233)(232)(329)170TA31MSouth Landing114219170TA31MC233(359)(378)TA31MC233(359)(378)TA31MC238X208FFlamborough village113154X208FNewlands-104X208FNewlands-104X208FSterfild113154X208FNewlands-121X208FNewlands-121X100FNewlands-121X100FNewlands-121X100FNewlands-121X100FN <t< th=""><th>TA23</th><th></th><th></th><th>(224)</th><th>(320)</th><th>(361)</th><th>(364)</th></t<>	TA23			(224)	(320)	(361)	(364)
KBurton Pidsea77136xPAldbrough45108156WHilston-149x156TA24-149x156CRolston-149x156DHornsea223x-170DHornsea223x-GGreat Cowden108x-TA26-(193)(193)(243)ESewerby169192JSouth Landing104156TA27-(233)(232)(329)FFlamborough village127204TA31-(175)(359)(369)(378)FNewlands-104x-TA31-117204x-TA31-(175)(359)(369)(378)FNewlands-104x-TA31-117209-TA31-117209-TA31-(175)(359)(369)(378)FNewlands-104x-JHaverfield113154x-JUsckham87171x-JUsckham87171x-TA32-209x-MVibernsea east79233xMNither		F		-		х	
PAldbrough45108156WHilston-149x156TA24/////////////CRolston-///////////DHornsea223///////////GGreat Cowden108////////////TA26/////////////////////ESewerby169(193)(193)(243)//////TA27////////////////////////TA27//////////////////////////////TA27///<						х	
W Hilston - 149 x 156 TA24 - (277) (288) (337) C Rolston - 170 170 D Hornsea 223 × × G Great Cowden 108 × 0 TA26 - (193) (193) (243) E Sewerby 169 192 10 J South Landing 104 156 10 TA27 - (233) (232) (329) - TA27 - - 104 156 - TA27 - - (233) (232) (329) - TA27 - - (233) (232) (329) - TA31 - - 104 × 204 - TA31 - - 104 × 208 - J Haverfield 113 114 117 - U Skeffling - 238			Burton Pidsea				
TA24 · · (277) (288) (337) C Rolston - 170 170 D Hornsea 223 × 170 G Great Cowden 108 × 170 TA26 (193) (193) (243) 192 F South Landing 104 156 170 TA27 (233) (232) (329) 156 TA27 (233) (232) (329) 156 TA27 (232) (239) 169 192 TA31 F Flamborough village 127 204 TA31 (175) (359) (369) (378) E Newlands - 104 x 208 P Welwick saltmarsh 111 117 117 x U Skeffling - 238 x 208 Y Lockham 87 171 x 208 Y Lockham 87 171 x 208 M <th></th> <th></th> <th></th> <th>45</th> <th></th> <th>156</th> <th></th>				45		156	
C Rolston - 170 D Hornsea 223 x G Great Cowden 108 x TA26 (193) (193) (243) E Sewerby 169 192 J South Landing 104 156 TA27 (233) (232) (329) F Flamborough village 127 204 K Flamborough Head 114 219 TA31 - 104 x 208 E Newlands - 104 x 208 J Haverfield 113 154 x 208 P Welwick saltmarsh 11 117 117 U Skeffling - 238 x 208 Y Lockham 87 171 x 208 TA32 - - 238 x 209 x TA32 - - <th></th> <th>W</th> <th>Hilston</th> <th></th> <th></th> <th></th> <th>156</th>		W	Hilston				156
DHornsea223xxGGreat Cowden108xxTA26(193)(193)(243)ESewerby169192JSouth Landing104156TA27(233)(232)(329)FFlamborough village127204KFlamborough Head114219TA31(175)(359)(369)(378)ENewlands-104xJHaverfield113154x208PWelwick saltmarsh11117117USkeffling-238x208YLockham87171x204TA32MVickham87171xAPatrington Haven-121x209APatrington Haven-121x206RHolmpton150203x215TA33MWithernsea east79257x260RHolmpton150203x215TA33MTunstall south61218x215TA31MTunstall north-146x215ASpurn Lighthouse55x400400	TA24			(277)	(288)		
GGreat Cowden108xxTA26x(193)(193)(243)ESewerby169192192JSouth Landing104156192TA27x(233)(232)(329)FFlamborough village127204KFlamborough Head114219TA31x104x208FNewlands-104xTA31x113154x208FNewlands-104x208FNewlands-104x208FNewlands-104x208FNewlands-104x208FNewlands-113154x208FNewlands-113154x208FNewlands-238x208FNewlands-113117117FLockham87171x209FZLockham87171x209FNNeuroid Haven-121x209FNNeuroid Nation-241x209FNWithernsea east79257x260FNNustall south61218x215FANustall north-146x215 <tr< th=""><th></th><th>-</th><th></th><th>-</th><th></th><th></th><th></th></tr<>		-		-			
TA26Image: second s							
E Sewerby 169 192 192 J South Landing 104 156 156 TA27 - (233) (232) (329) - F Flamborough village 127 204 - - K Flamborough Head 114 219 - <td< th=""><th></th><th>G</th><th>Great Cowden</th><th></th><th></th><th></th><th></th></td<>		G	Great Cowden				
JSouth Landing104156TA27IImage (233)(232)(329)Image (329)TA31FFlamborough village127204204KFlamborough Head114Image (359)(369)(378)TA31Image (359)Image (359)(369)(378)TA31Image (359)Image (359)(369)(378)TA31Image (350)Image (350)Image (350)(369)(378)TA31Image (350)Image (350)Image (350)Image (350)(369)(378)FNewlandsImage (350)Image (350)Image (350)Image (350)Image (350)Image (350)TA32Image (350)Image (350)Image (350)Image (350)Image (350)Image (350)Image (350)Image (350)Image (350)TA32Image (350)Image (350) <th>TA26</th> <th>_</th> <th></th> <th></th> <th>(193)</th> <th></th> <th></th>	TA26	_			(193)		
TA27Image: symbol s		-	Sewerby				
FFlamborough village127204204KFlamborough Head114219219TA31·(175)(359)(369)(378)ENewlands-104x208JHaverfield113154x208PWelwick saltmarsh11.117208USkeffling-238x208YLockham87171x208TA32·Lockham87171x400APatrington Haven-238(467)(494)APatrington Haven-121x208BPatrington Haven-121x209APatrington Haven-121x209APatrington Haven-121x200APatrington Haven-198295x200BPatrington Haven150203x215APatrington150203x215TA33·······BTunstall south61218x·BTunstall north······ASpurn LighthouseSpurn LighthouseSpurn LighthouseSpurn Lighthouse··		J	South Landing				
K Flamborough Head 114 219 TA31 (175) (359) (369) (378) E Newlands - 104 x 208 J Haverfield 113 154 x 208 P Welwick saltmarsh 11 117 117 U Skeffling - 238 x 208 Y Lockham 87 171 x 209 Z Easington - 209 x 209 TA32 Patrington Haven - 121 x 209 A Patrington Haven - 121 x 209 B Patrington Haven - 121 x 209 H Hollym Carrs 198 295 x 260 R Holmpton 150 203 x 215 TA3 Image: Carrs 198 295 x 260 R	1A2/	-			(232)		
TA31Image: constraint of the symbol symb		-					
E Newlands - 104 x J Haverfield 113 154 x 208 P Welwick saltmarsh 11 117 117 U Skeffling - 238 x - Y Lockham 87 171 x - Z Easington - 209 x - TA32 - (353) (457) (467) (494) A Patrington Haven - 121 x - B Patrington Haven - 241 x - H Hollym Carrs 198 295 x - H Hollym Carrs 198 203 x 215 TA33 - - 150 203 x 215 TA33 - - 146 x - B Tunstall south 61 218 x - H - - 146 x - A Tunstall	TADA	ĸ	Flamborougn Head		(250)		(270)
JHaverfield113154x208PWelwick saltmarsh111117117USkeffling-238xYLockham87171xZEasington-209xTA32-C(467)(494)MPatrington Haven-121xBPatrington Haven-241xHHollym Carrs198295x260RHolmpton150203x215TA33(139)(265)-215ATunstall south61218x215TA41146x-146xASpurn Lighthouse55xX101	TASI	E	Newlands	(1/5)	· · · · · · · · · · · · · · · · · · ·		(378)
PWelwick saltmarsh11117USkeffling-238xYLockham87171xZEasington-209xTA32-(353)(457)(467)(494)APatrington Haven-121xBPatrington Haven-121x-HHollym Carrs198295x-RHolmpton150203x215TA33-(139)(265)ATunstall south61218x-TA41-(257)(366)(395)(400)				- 112			200
USkeffling-238x///////////////////////////////					134		200
Y Lockham 87 171 x Z Easington - 209 x TA32 (353) (457) (467) (494) A Patrington Haven - 121 x B Patrington - 241 x H Hollym Carrs 198 295 x N Withernsea east 79 257 x 260 R Holmpton 150 203 x 215 TA33 - (139) (265) - 215 TA33 - - 146 x - A Tunstall south 61 218 x - TA41 - - 146 x - M Spurn Lighthouse 55 x X					238		
ZEasington-209xTA32-(467)(494)APatrington Haven-121xBPatrington-241xHHollym Carrs198295xNWithernsea east79257xRHolmpton150203xTA33-(139)(265)BTunstall south61218xTA41-146xASpurn Lighthouse55x							
TA32Image: scale of the system of							
APatrington Haven-121xIBPatrington-241XIHHollym Carrs198295XINWithernsea east79257X260RHolmpton150203X215TA33(139)(265)ATunstall south61218X-TA41BTunstall north-146X-ASpurn Lighthouse55XX-	TA32			(353)			(494)
B Patrington - 241 x H Hollym Carrs 198 295 x N Withernsea east 79 257 x 260 R Holmpton 150 203 x 215 TA33 - (139) (265) - - A Tunstall south 61 218 x - B Tunstall north - 146 x - TA41 - (257) (366) (395) (400) A Spurn Lighthouse 55 x x			Patrington Haven	-			
H Hollym Carrs 198 295 x Image: Marrie Schwart Sch		Α					
N Withernsea east 79 257 x 260 R Holmpton 150 203 x 215 TA33 I Image: Comparison of the symptotic of the symptot symptotic of the symptotic of the symptotic of the sy				-	241	Х	
R Holmpton 150 203 x 215 TA33 ·· · (139) (265) · · A Tunstall south 61 218 x · B Tunstall north · · · · · TA41 · · · · · · · A Spurn Lighthouse · · · · · ·		В	Patrington	- 198			
TA33 Image: Marcine Stress of the stres of the stress of the stress of the stress		B H	Patrington Hollym Carrs		295	х	260
A Tunstall south 61 218 x B Tunstall north - 146 x TA41 V (257) (366) (395) (400) A Spurn Lighthouse 55 x		B H N	Patrington Hollym Carrs Withernsea east	79	295 257	x x	
B Tunstall north - 146 x TA41 · · (257) (366) (395) (400) A Spurn Lighthouse 55 x ×		B H N	Patrington Hollym Carrs Withernsea east	79 150	295 257 203	x x	
TA41 (257) (366) (395) (400) A Spurn Lighthouse 55 x x		B H N R	Patrington Hollym Carrs Withernsea east Holmpton	79 150 (139)	295 257 203 (265)	X X X	
		B H N R A	Patrington Hollym Carrs Withernsea east Holmpton Tunstall south	79 150 (139) 61	295 257 203 (265) 218	X X X X	
B Chalk Bank 44 106	TA33	B H N R A	Patrington Hollym Carrs Withernsea east Holmpton Tunstall south Tunstall north	79 150 (139) 61 - (257)	295 257 203 (265) 218 146	X X X X X X	215
	TA33	B H N R A B B	Patrington Hollym Carrs Withernsea east Holmpton Tunstall south Tunstall north Spurn Lighthouse	79 150 (139) 61 - (257) 55	295 257 203 (265) 218 146	x x x x x (395) x	215

Last updated 21/10/2016

С	Kilnsea Canal	161		176	
D	Long Bank	104	282	Х	
E	Easington seaside	-	165	182	
G	Wyke Bight	48		х	
Н	Kilnsea Warren	33		Х	143

 \ast Indicates that the Mapmate database used for these units contains some pre 2000 records and will be over-estimates of the current state of recording.