

**LAND TO THE REAR OF SKEGNESS WATER LEISURE PARK
WALLS LANE, INGOLDMELLS**

TOPOGRAPHIC SURVEY

NGR: TF 5626 6612
Planning ref.: S/153/00268/12 (ELDC)
PCAS Job No.: 12-944
Site code: SWLT 12
Archive acc. code: LCNCC: 2012.163

Report prepared for
Ryland Design Services Ltd.

by
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December 2012

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Summary

- A topographical study was undertaken prior to the expansion of Skegness Water Leisure Park.
- The survey recorded a series of extant boundary ditches, which were probably part of a medieval field system.
- There is no extant ridge and furrow at the site, and some of the boundaries visible in historic mapping have been removed by modern agriculture.

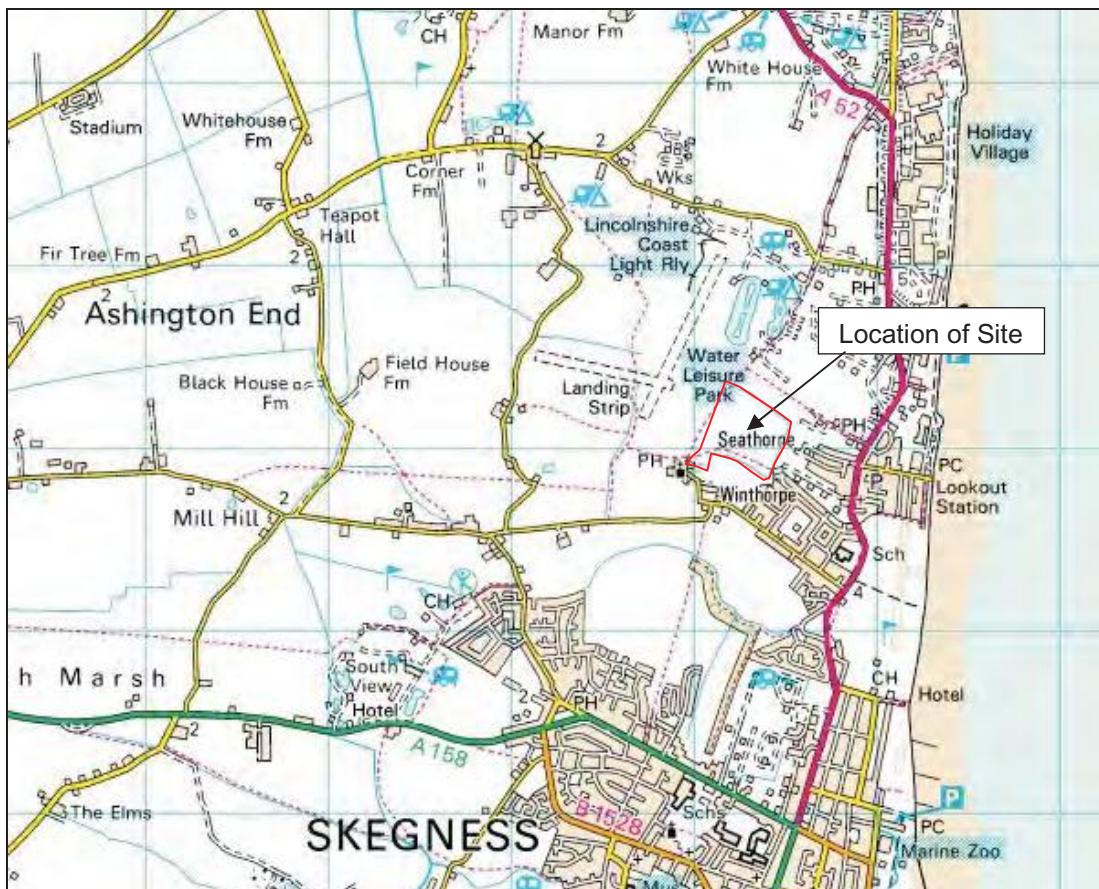


Figure 1: Red line boundary of survey area

1. Introduction

- 1.1 A topographic survey was undertaken in advance of the expansion of the Skegness Water Leisure Park, situated south of Walls Lane, Skegness. Ryland Design Services Ltd. commissioned this work to inform a planning application (planning ref: S/153/00268/12).
- 1.2 This report documents the results of an earthwork survey that was undertaken on 9th November 2012, supplemented by a visit on 26th November. It has been prepared on the advice of the planning archaeologist for the East Lindsey District Council (ELDC) to inform the planning decision in line with the National Planning Policy Framework.
- 1.3 Copies of this report will be submitted to the client, the County Historic Environment Record, and the Local Planning Authority.

2 Site Location

- 2.1 Skegness is within the administrative district of East Lindsey, approximately 22km north east of Boston. The proposed development site is within Skegness Parish, approximately mid-way between the seaside towns of Skegness itself and Ingoldmells, c.1km from the shoreline. The site is situated on land to the rear (south) of Skegness Water Leisure Park on Walls Lane, adjacent to an existing caravan site. Development of the Skegness Water Leisure Park commenced in 1990. The national grid reference for the site is TF 5626 6612 (see Fig. 1).
- 2.2 The historic village of Winthorpe, located to the immediate south of the site, contains the Grade I Listed Church of St. Mary, which lies less than 100m from the site's southern boundary. An un-named medieval moated site is located c. 200m west of the site's western boundary, (HER PRN 41674 on Fig. 2, see also fig. 3).

3 Archaeological Setting

- 3.1 The Historic Environment Record (HER) in Lincoln holds no records of earlier prehistoric sites or individual finds spots within or near the surveyed area.
- 3.2 The Iron Age coastline in this area was extensively used for salt production: sites containing salt-making debris (briquetage) have been recorded in some concentration in the parishes along the coast, including those of Skegness and Ingoldmells (Brooks 1990). Iron Age and Romano-British salterns appear to have been sited at the limit of seasonal flooding, allowing easy collection of sea water while maintaining reasonable access on foot (Tann 2004).
- 3.3 The Domesday Survey of AD 1086 has no listing for a settlement named 'Skegness', but a district or settlement in Candleshoe wapentake referred to as 'Tric' is believed to have been sited in this area. C. W. Foster's 1924 survey of lost Lincolnshire villages lists Tric

as 'an extinct village, the name of which is not found after 1086. It seems to be represented by Skegness in subsequent records.' Norman Tric was not a manor as such, but a group of outlying holdings, or sokeland, of three other manors: by the standards of Domesday Book estates, these have unusually small areas of ploughland, with very low populations (Williams and Martin 1992). The position of early medieval Tric as a disparate group of outlying holdings may have continued throughout the Middle Ages.

- 3.4 The place-name Skegness first appears in records of the second half of the 12th century, although it is of Danish origin, derived from the Old Danish personal name Skeggi and the Old Danish word nes, a piece of land jutting out into the sea, giving 'Skeggi's headland' (Cameron, 1998).
- 3.5 This site is recorded in the HER as a medieval field system, drove road and enclosures, PRN 46931:
"An enclosed Medieval field system, comprising ridge and furrow fields, hedge banks, enclosures and a drove way. Associated with a nearby moat (PRN 41674). Seen on Google Maps (web site) aerial photograph layer."

Lincolnshire HER

- 3.6 The village of Winthorpe immediately to south of the site has evidence of a 12th century church (PRN: 41677 and 41678), as well as evidence that the medieval village was larger than the existing settlement (PRN 41679) (Fig 2).
- 3.7 The Grade I Listed Church of St. Mary at Church End, Winthorpe is a marshland church in the Perpendicular style that was the successor to an earlier, 12th century building on the same site (Pevsner & Harris 1989, 806). The church is located less than 100m south of the proposed development site (<http://www.english-heritage.org.uk/>) (Fig. 2). The churchyard contains a scheduled cross (SAM UID 22710). The Grade II listed Church Farmhouse and its associated farm buildings are situated further along Church Lane to the east. The medieval moated site located c. 200m west of the site's western boundary does not appear to be designated.

4 Geology

- 4.1 The site occupies level ground that sits approximately 2.1m above OD. The underlying solid (bedrock) geology of much of the east coast, including Skegness and Ingoldmells, consists of chalk: in the area of the site are the Welton and Ferriby Chalk Formations. The drift geology of the area comprises Tidal Flat deposits of clay and silt. These are superficial deposits formed up to 2 million years ago in the Quaternary Period (<http://maps.bgs.ac.uk/>).
- 4.2 At the time of survey, the site was mostly covered with stubble from a previous cereal crop, with a small area in the southwest that was overgrown with weeds, and where some modern earthworks were evident.

5 Methodology

- 5.1 The survey was carried out on 9th November 2012 in accordance with guidelines published by English Heritage (2007) and the Lincolnshire Archaeology Handbook (Lincolnshire County Council, 2012);
- 5.2 The fieldwork was undertaken using a Leica GS08 GPS receiver with a CS10 automatic data logger. The tops of the slopes of the boundary ditches that were still visible were recorded. Transects were recorded in locations that would produce typical profiles across the ditches in the system (figs 4-10). The survey equipment recorded the height from the GPS data, and RTK corrections, typically predicting an accuracy of $\pm 0.005\text{m}$. In the area of disturbance towards the southwest of the site, the top and bottom of the most obvious variations in height were recorded, although the overgrown nature of this area is likely to have obscured some details of the topography.
- 5.3 A grid was set up in two areas of the site to investigate the topography of areas that appeared flat. This was targeted in the south east of the site, and an area at the west where a slight rise in the ground level was visible. Automatic data logging was used to record points at 1.0m intervals along a zig-zag grid pattern, with transects initially separated by 1.0m. This was increased to 2m over the course of the survey to speed data collection. The south east area was chosen as this had the most obvious furrows visible in aerial photography (Fig 3).
- 5.4 Colour photographs complement the survey (Appendix 1).

6 Results and Discussion

- 6.1 The area contained a series of ditches forming the boundaries of a medieval enclosure system (HER 46931). These features had deteriorated since the most recent Ordnance Survey map of the area. Two trees sunk into the field were the only remains of a north-south aligned ditch at the east of the site (see image in Appendix 1). In the centre, the westernmost extent of the ditch system was far shallower than the general profile of the ditches observed elsewhere (compare Fig 5 and Fig 6). Fig 9 was the most easterly transect, and represented the deepest ditch. Transects across the drove way in the centre of the site demonstrated that the ground between the two ditches was slightly higher than the surrounding ground. (Fig 10 and Fig 11).
- 6.2 Some transects showed that the ditch profiles were stepped, particularly the southern ditch of the drove way (Figs 10 and 11). As transects were located in places where there was less vegetation (to improve access and signal strength), it is possible that there was a correlation between stepped areas and areas with less vegetation rather than the stepped profile extending the whole length of the ditches.

- 6.3 In the southwest corner of the site the land was disturbed: in this location, cuts appear to have been made by modern machinery. (Fig. 12) A pile of concrete and other modern rubble was present nearby and the gate at the south west of the site appeared to be in use: this land may consequently have been used for recent dumping. Further modern disturbance in this area comprised a road surface from the southwest gate, and an area of gravel. Possible platforms in this area had straight edges, perhaps the remnants of structures, however they appeared to be of concrete make up and were very overgrown. Historic maps show a path through this area (Fig 13).
- 6.4 The ridge and furrow that is visible in aerial photographs (see fig.3) did not show up when viewed from ground level. Consequently, two sample areas where ridge and furrow should have been present were surveyed using a grid method. The recorded variations in the ground level fell within the expected error, and the ground was interpreted as generally flat. A slight undulation observed in the recorded levels did not correspond to the furrows seen in aerial images and could not therefore be attributed to remnant furrows (see Appendix 2).
- 6.5 The land has been heavily cultivated since the most recent Google Earth image was taken in 2006. Some of the boundary ditches have been filled and the ground has been ploughed, destroying any surface evidence of furrows. It seems likely therefore that the ridge and furrow visible in Google Earth images represents crop marks rather than extant earthworks.
- 6.6 The Google Earth images do, however, characterise the furrows (Fig 3). The aerial photographs show no crop marks in the north east of the site. The most southerly field contained six possible furrows, running west-east and separated by approximately 10m. These continue across the historic boundary bisecting the southern field (visible as a dark cropmark), but which feature as a pond in the 1st edition Ordnance Survey (Fig 13). Six more potential furrows were visible in the field at the east of the site, also aligned west-east and separated by approximately 7.0m. In the northwest of the survey, two large cropmarks were observed aligned north-south, respecting the boundary at the western edge of the survey area. It is not certain if these are remnant furrows; they may be associated with the boundary. The dark cropmark on this same alignment at the south of the site was probably part of the boundary system. Two north-south aligned features in the centre of the surveyed area were possible furrows. In the north of the site, five potential east-west furrows, separated by approximately 7.0m, were observed. Two of these may have continued into the field to the east. (Fig 3)
- 6.7 These furrows were visible as changes in the ground cover in the Google Earth image dated 1/1/2006; they were not visible on site at the time of the survey, and appeared only partially in the other imagery on Google Earth.

7 Conclusions

- 7.1 The survey has mapped the extant medieval features in the study area. This area has been heavily damaged by modern agriculture, and ridge and furrow visible on Google Earth images is no longer evident on the ground. The survey did not identify any evidence for domestic occupation such as closes or building platforms: those seen in the southwest area of the site are of modern origin.
- 7.2 The ditch system in the survey area is also less extensive than indicated in previous mapping of the area. Some parts have clearly been filled since the most recent Ordnance Survey map was produced, and since the Google Earth imagery was captured in 2006.

8 Acknowledgements

- 8.1 Pre-Construct Archaeological Services Ltd. would like to thank Ryland Design Services Ltd for this commission.

9 References

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Fig 2. Site Overview and HER Location

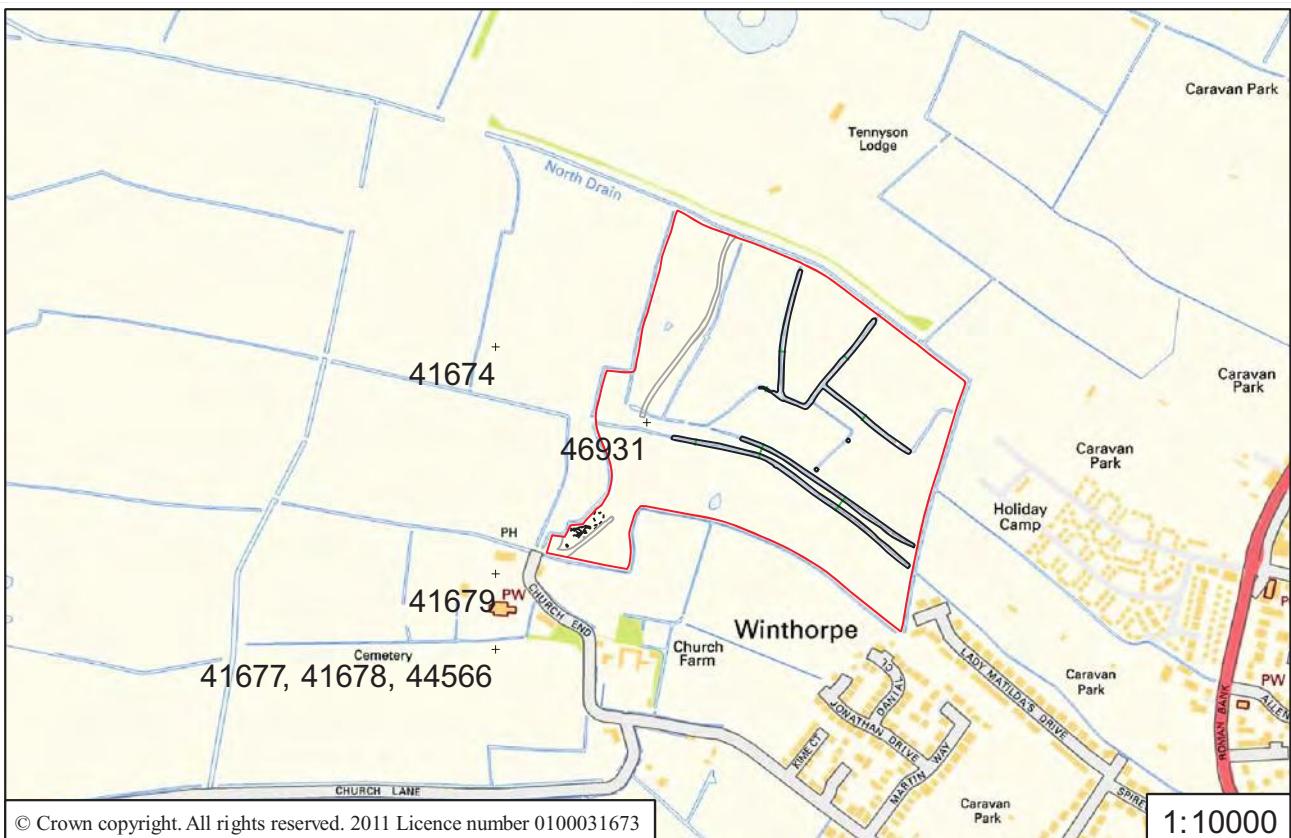


Fig 3. Interpretation of Google Earth Image

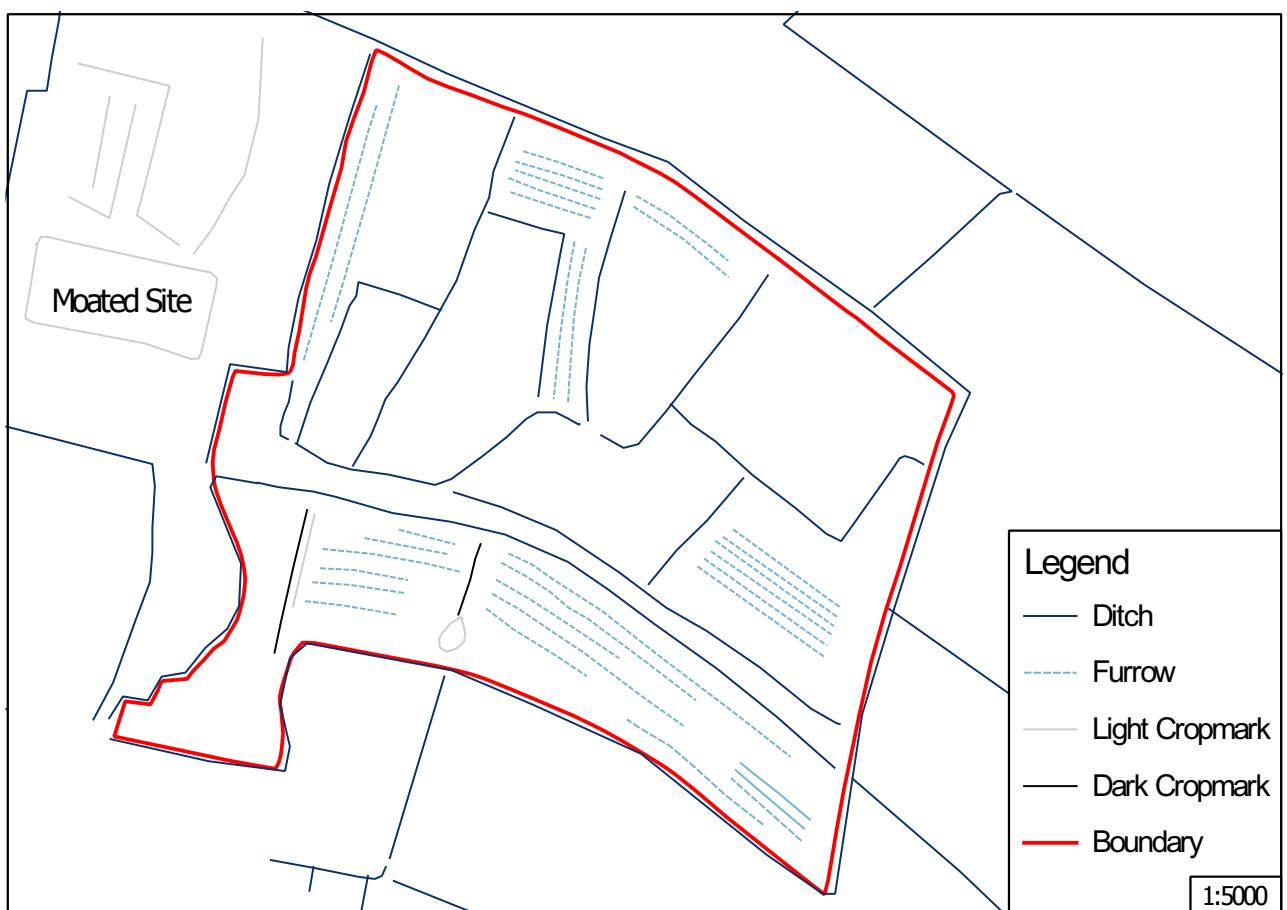


Fig 12. Detail of south west corner of site at 1:1000, modern disturbance

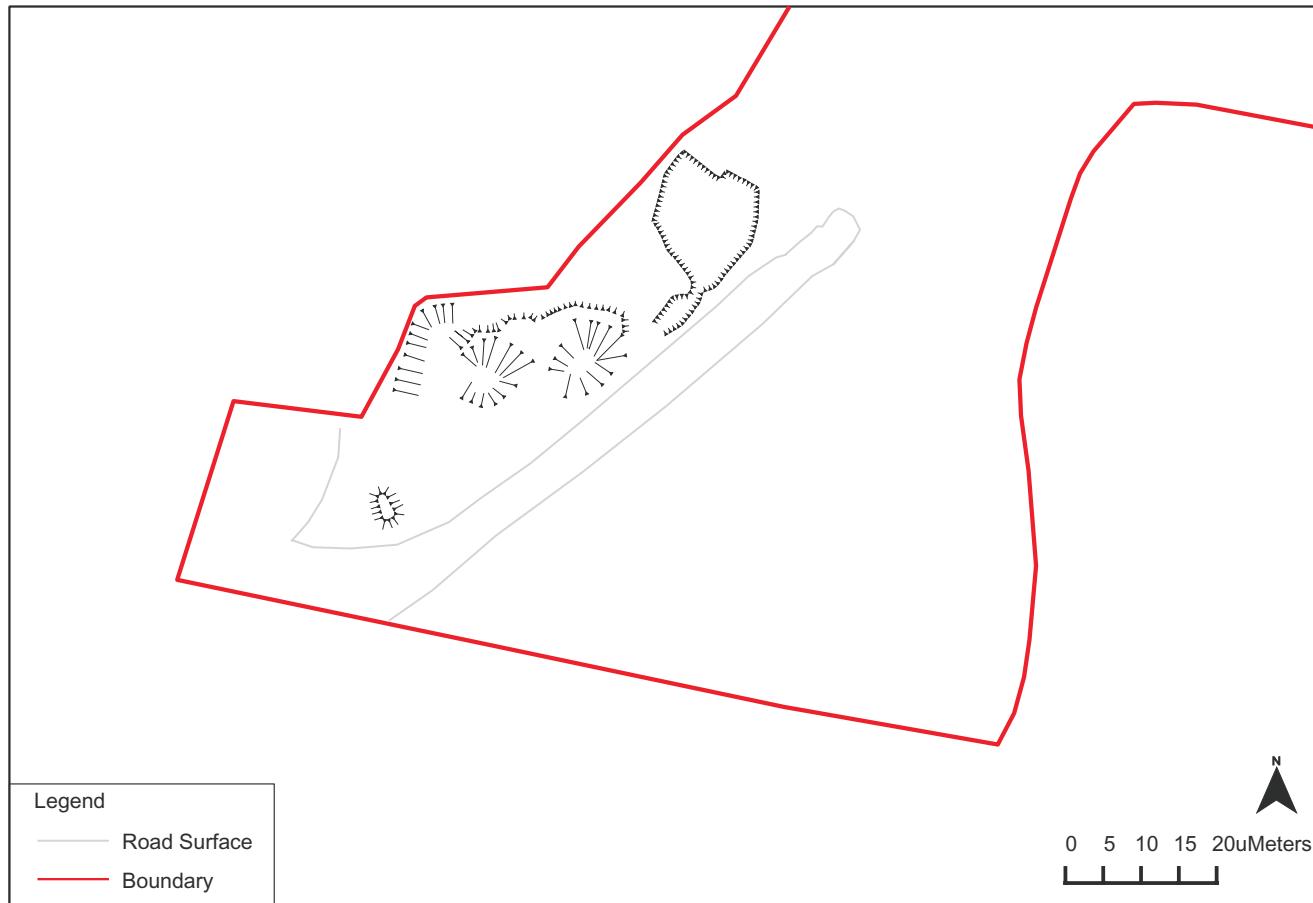


Fig. 13 1889 1st Edition OS 1:2500 scale, not show to scale (Old-Maps 2010)

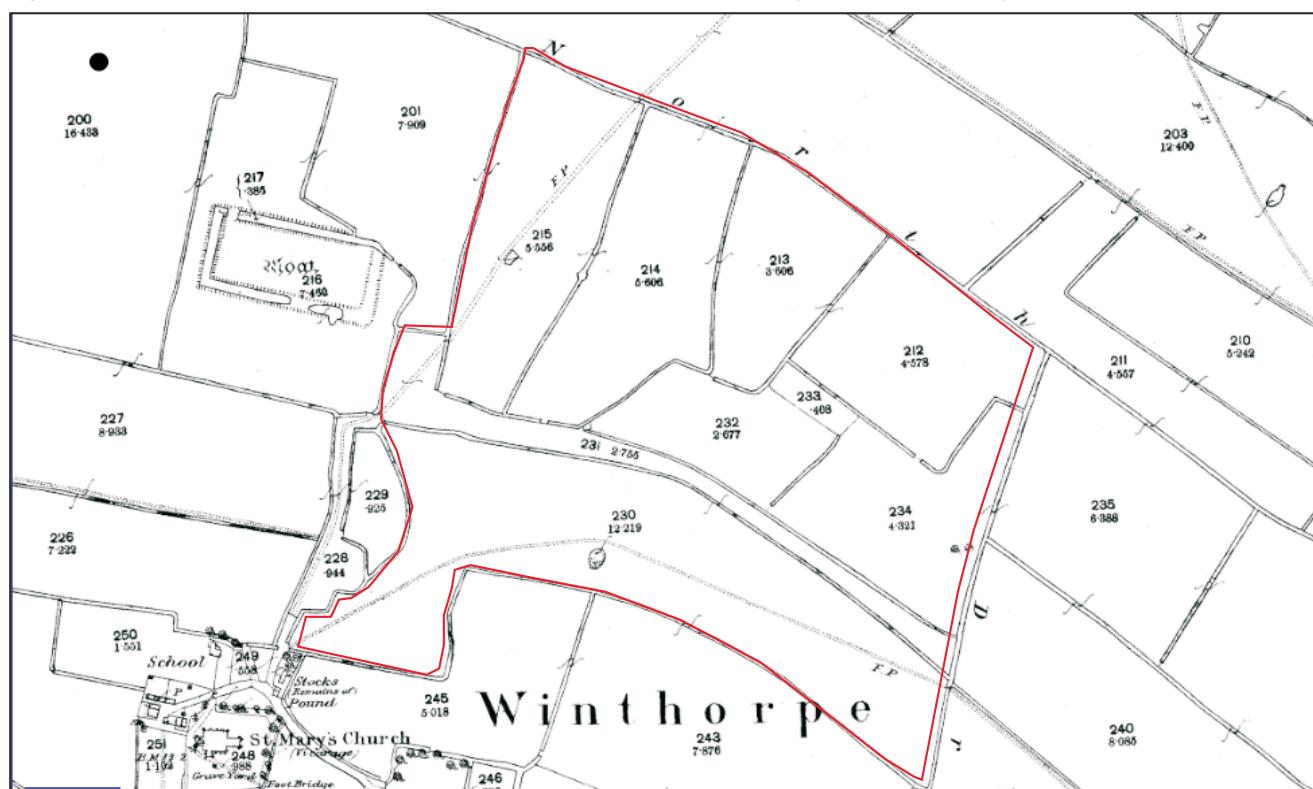


Fig. 4 Results of Topographic Survey

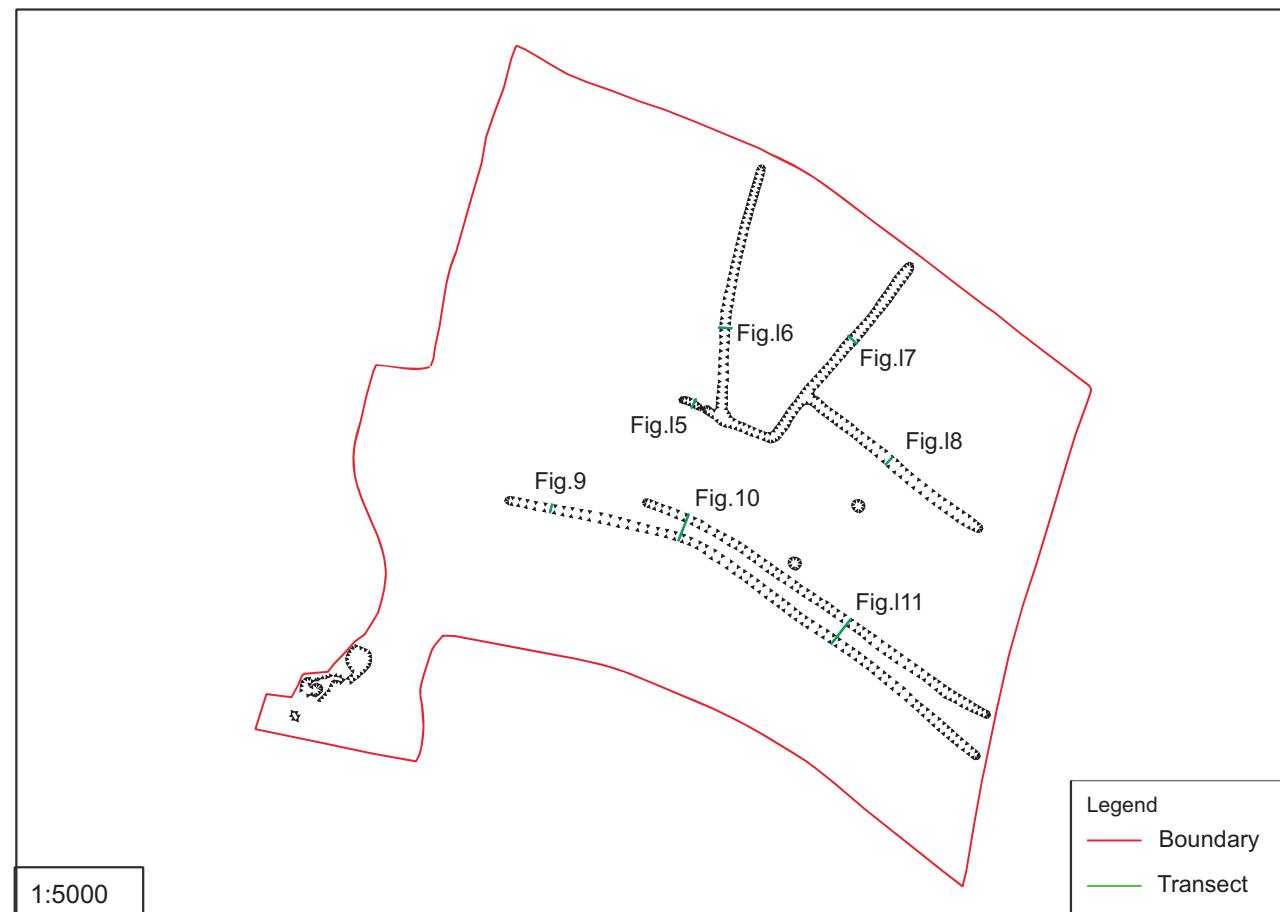
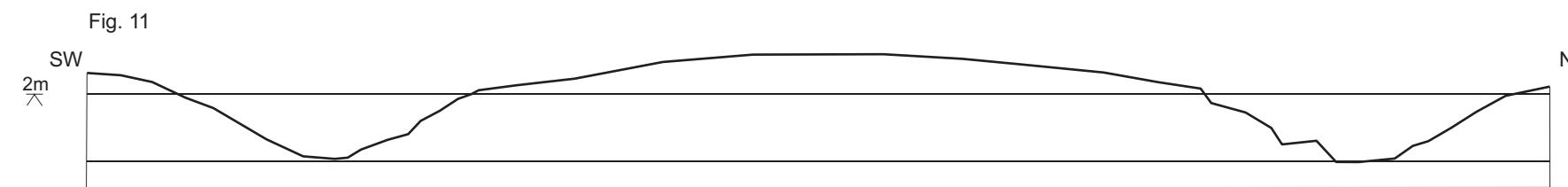
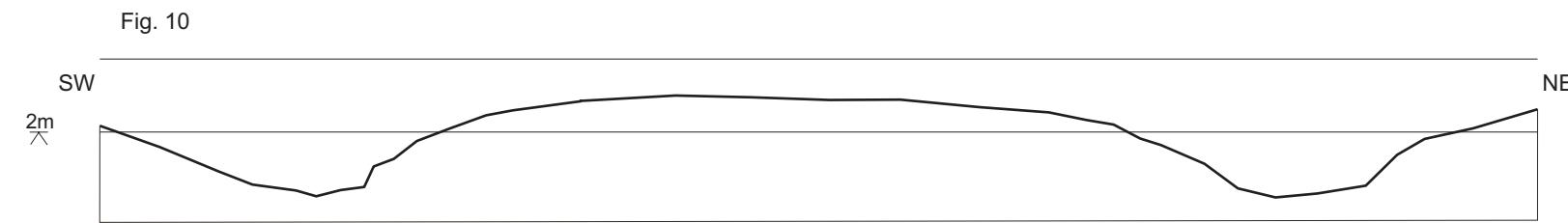
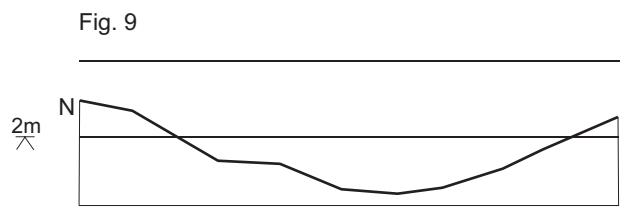
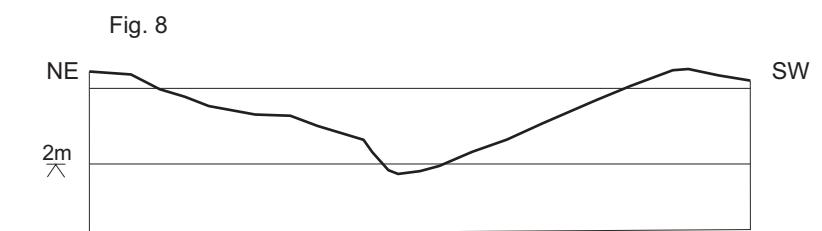
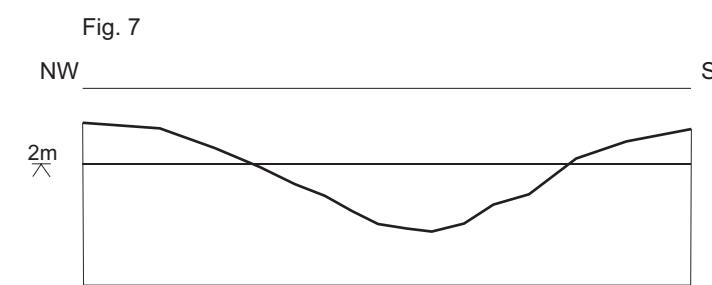
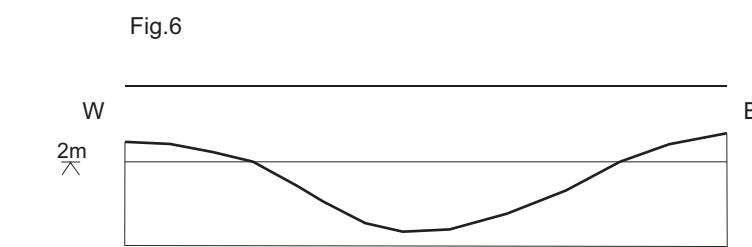
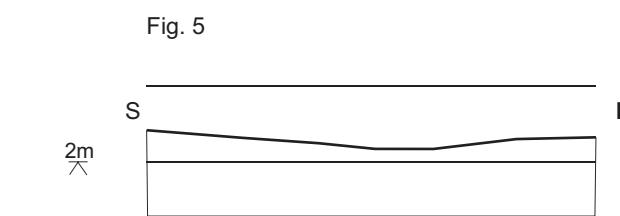


Fig. 5-11 Transects drawn at 1:100



0 5m
Scale

Appendix 1: Colour Plates



Plate 1 Panorama of area at south of site, looking north, showing the area where a boundary is visible on OS maps.



Plate 2 Overview of north east of site, looking west. No visible features.



Plate 3 Overview of west of site, looking south east, showing St Mary's Church in the background, and the rise in the centre of the frame.



Plate 4 View of drove way looking east.



Plate 5 Trees sunk into field, with level ground between them. These trees were probably part of the previous boundary.

Appendix 2: Raw GPS Data



Figure 1 Greyscale interpolation of topography at west of site.



Figure 2 Greyscale interpolation of Topography at south east of site.

These greyscale images were generated by interpolating the auto-logged points taken along transects in these areas, using GRASS GIS through a Quantum GIS interface (QGIS). An interpolated image was generated instead of using a direct raster of the grid in order to take full advantage of the GPS, allowing rapid assessment of non-regular areas.

The following command was used:

```
v.surf.idw input="Nov26Grass@autoPoints" output="idw_z" layer=1
column="z" npoints=12 power=2.0
```

The *v.surf.idw* module for QGIS fills a raster matrix with interpolated values generated from a set of data points using weighted averaging techniques. The interpolated value of a cell is determined by values of nearby data points and the distance of the cell from those input points. In comparison with other methods, numerical approximation allows representation of more complex surfaces (particularly those with anomalous features), restricts the spatial influence of any errors, and generates the interpolated surface from the data points. (QGIS 2011)

The manually logged points used to create the maps form the remainder of this appendix.

ID	X	Y	Z	Code	Number
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GPS1203	556192.148	366050.492	2.11	BoS	depression5
GPS1202	556191.804	366051.127	2.12	BoS	depression5
GPS1201	556191.375	366050.94	2.12	BoS	depression5
GPS1200	556232.885	366042.349	2.047	BoS	depression4
GPS1199	556233.145	366041.396	1.986	BoS	depression4
GPS1198	556232.427	366041.474	1.987	BoS	depression4
GPS1197	556207.514	366053.019	2.364	ToS	raised area
GPS1196	556204.672	366040.623	2.17	ToS	raised area
GPS1195	556200.123	366022.061	2.139	ToS	raised area
GPS1194	556185.575	365998.672	1.97	ToS	raised area
GPS0193	556185.554	365998.629	1.999	ToS	raised area
GPS0779	556349.115	365984.146	2.317	SpotHieght	transect7
GPS0778	556349.375	365984.58	2.283	SpotHieght	transect7
GPS0777	556349.673	365984.945	2.182	SpotHieght	transect7
GPS0776	556350.014	365985.316	1.947	SpotHieght	transect7
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GPS0772	556351.258	365986.565	1.073	SpotHieght	transect7
GPS0771	556351.559	365986.931	1.035	SpotHieght	transect7
GPS0770	556351.653	365987.104	1.053	SpotHieght	transect7
GPS0769	556351.765	365987.271	1.174	SpotHieght	transect7
GPS0768	556352.038	365987.556	1.318	SpotHieght	transect7
GPS0767	556352.234	365987.797	1.404	SpotHieght	transect7
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GPS0761	556353.321	365989.004	2.134	SpotHieght	transect7
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GPS0759	556354.643	365990.746	2.481	SpotHieght	transect7
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GPS0733	556321.653	366038.66	2.043	ToS	tree2
GPS0732	556322.609	366036.462	2.099	ToS	tree2
GPS0731	556323.491	366035.493	2.099	ToS	tree2
GPS0730	556324.871	366035.289	2.148	ToS	tree2
GPS0729	556325.614	366035.592	1.989	ToS	tree2
GPS0728	556326.493	366036.652	1.908	ToS	tree2
GPS0727	556326.75	366037.932	1.911	ToS	tree2
GPS0726	556368.487	366076.947	2.161	ToS	tree1
GPS0725	556368.576	366075.348	2.101	ToS	tree1
GPS0724	556367.261	366073.798	2.001	ToS	tree1
GPS0723	556365.922	366073.658	2.004	ToS	tree1
GPS0722	556364.569	366074.941	1.994	ToS	tree1
GPS0721	556363.52	366076.271	2.068	ToS	tree1
GPS0720	556364.927	366078.059	2.097	ToS	tree1
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GPS0688	556364.08	366185.448	1.189	SpotHieght	transect5
GPS0687	556363.621	366185.674	1.076	SpotHieght	transect5
GPS0686	556363.178	366186.111	1.106	SpotHieght	transect5
GPS0685	556362.673	366186.692	1.315	SpotHieght	transect5
GPS0684	556362.093	366187.214	1.622	SpotHieght	transect5
GPS0683	556361.482	366187.592	2	SpotHieght	transect5
GPS0682	556361.047	366188.085	2.232	SpotHieght	transect5
GPS0681	556360.444	366188.557	2.378	SpotHieght	transect5

GPS0680	556283.102	366193.563	2.545	SpotHieght	transect4
GPS0679	556282.081	366193.679	2.471	SpotHieght	transect4
GPS0678	556281.359	366193.839	2.209	SpotHieght	transect4
GPS0677	556280.772	366193.907	1.96	SpotHieght	transect4
GPS0676	556280.308	366193.916	1.734	SpotHieght	transect4
GPS0675	556279.914	366193.983	1.579	SpotHieght	transect4
GPS0674	556279.554	366194.04	1.375	SpotHieght	transect4
GPS0673	556279.212	366194.035	1.206	SpotHieght	transect4
GPS0672	556278.831	366194.06	1.146	SpotHieght	transect4
GPS0671	556278.498	366194.031	1.106	SpotHieght	transect4
GPS0670	556278.075	366194.101	1.212	SpotHieght	transect4
GPS0669	556277.682	366194.059	1.463	SpotHieght	transect4
GPS0668	556277.211	366194.068	1.599	SpotHieght	transect4
GPS0667	556276.587	366194.09	2.072	SpotHieght	transect4
GPS0666	556275.918	366194.021	2.298	SpotHieght	transect4
GPS0665	556275.054	366193.952	2.462	SpotHieght	transect4
GPS0664	556259.208	366146.852	2.418	SpotHieght	transect3
GPS0663	556258.634	366145.72	2.317	SpotHieght	transect3
GPS0662	556258.2	366144.811	2.246	SpotHieght	transect3
GPS0661	556257.859	366144.148	2.171	SpotHieght	transect3
GPS0660	556257.681	366143.38	2.17	SpotHieght	transect3
GPS0659	556257.334	366142.332	2.301	SpotHieght	transect3
GPS0658	556256.908	366141.371	2.324	SpotHieght	transect3
GPS0657	556254.4	366071.166	2.086	SpotHieght	transect2
GPS0656	556254.09	366070.409	1.795	SpotHieght	transect2
GPS0655	556253.694	366069.697	1.459	SpotHieght	transect2
GPS0654	556253.4	366069.33	1.28	SpotHieght	transect2
GPS0653	556253.198	366068.763	1.199	SpotHieght	transect2
GPS0652	556253.121	366068.492	1.12	SpotHieght	transect2
GPS0651	556253.055	366068.154	1.205	SpotHieght	transect2
GPS0650	556252.974	366067.838	1.247	SpotHieght	transect2
GPS0649	556252.963	366067.702	1.528	SpotHieght	transect2
GPS0648	556252.904	366067.428	1.632	SpotHieght	transect2
GPS0647	556252.827	366067.119	1.877	SpotHieght	transect2
GPS0646	556252.695	366066.683	2.05	SpotHieght	transect2
GPS0645	556252.451	366066.248	2.229	SpotHieght	transect2
GPS0644	556252.257	366065.932	2.297	SpotHieght	transect2
GPS0643	556251.956	366065.046	2.422	SpotHieght	transect2
GPS0642	556251.934	366065.069	2.426	SpotHieght	transect2
GPS0641	556251.417	366063.868	2.5	SpotHieght	transect2
GPS0640	556251.027	366062.908	2.476	SpotHieght	transect2
GPS0639	556250.617	366061.917	2.439	SpotHieght	transect2
GPS0638	556250.318	366060.993	2.444	SpotHieght	transect2
GPS0637	556249.871	366060.006	2.341	SpotHieght	transect2
GPS0636	556249.505	366059.126	2.269	SpotHieght	transect2
GPS0635	556249.431	366058.604	2.165	SpotHieght	transect2
GPS0634	556249.316	366058.247	2.102	SpotHieght	transect2
GPS0633	556249.251	366057.882	1.911	SpotHieght	transect2
GPS0632	556249.211	366057.592	1.821	SpotHieght	transect2
GPS0631	556249.16	366056.975	1.565	SpotHieght	transect2
GPS0630	556249.04	366056.532	1.228	SpotHieght	transect2
GPS0629	556248.985	366056.004	1.104	SpotHieght	transect2
GPS0628	556248.849	366055.443	1.158	SpotHieght	transect2
GPS0627	556248.588	366054.833	1.265	SpotHieght	transect2
GPS0626	556248.462	366054.422	1.688	SpotHieght	transect2
GPS0625	556248.327	366054.072	1.905	SpotHieght	transect2

GPS0624	556248.074	366053.454	2.051	SpotHieght	transect2
GPS0623	556247.792	366052.619	2.312	SpotHieght	transect2
GPS0622	556163.794	366070.832	2.48	SpotHieght	transect1
GPS0621	556163.863	366071.526	2.344	SpotHieght	transect1
GPS0620	556164.183	366072.62	1.683	SpotHieght	transect1
GPS0619	556164.378	366073.417	1.642	SpotHieght	transect1
GPS0618	556164.644	366074.189	1.306	SpotHieght	transect1
GPS0617	556164.687	366074.942	1.247	SpotHieght	transect1
GPS0616	556164.888	366075.504	1.326	SpotHieght	transect1
GPS0615	556164.941	366076.311	1.578	SpotHieght	transect1
GPS0614	556165.039	366076.832	1.832	SpotHieght	transect1
GPS0613	556165.263	366077.801	2.262	SpotHieght	transect1
GPS0612	556017.483	365948.295	2.109	MOD	trough
GPS0611	556016.323	365947.872	2.061	MOD	trough
GPS0610	556016.099	365948.393	2.103	MOD	trough
GPS0609	556017.215	365948.876	2.13	MOD	trough
GPS0608	556009.953	365958.304	2.269	ToS	platform4
GPS0607	556007.728	365959.917	2.254	ToS	platform4
GPS0606	556006.08	365959.962	2.222	ToS	platform4
GPS0605	556005.151	365958.599	2.268	ToS	platform4
GPS0604	556003.802	365957.411	2.273	ToS	platform4
GPS0603	556002.296	365957.802	2.218	BoS	depression3
GPS0602	556002.398	365958.714	2.231	BoS	depression3
GPS0601	556003.141	365959.704	2.16	BoS	depression3
GPS0600	556004.766	365959.905	2.151	BoS	depression3
GPS0599	556004.086	365961.086	2.159	BoS	depression3
GPS0598	556001.902	365961.038	2.184	BoS	depression3
GPS0597	555999.983	365959.881	2.254	BoS	depression3
GPS0596	555999.786	365958.132	2.266	BoS	depression3
GPS0595	555999.427	365955.172	2.268	BoS	depression3
GPS0594	555998.748	365951.68	2.288	BoS	depression3
GPS0593	555994.333	365938.858	2.338	ToS	platform4
GPS0592	555993.527	365938.876	2.387	ToS	platform4
GPS0591	555993.193	365938.352	2.337	ToS	platform4
GPS0590	555993.484	365937.378	2.369	ToS	platform4
GPS0589	555993.911	365936.254	2.347	ToS	platform4
GPS0588	555994.364	365935.394	2.349	ToS	platform4
GPS0587	555995.004	365935.771	2.414	ToS	platform4
GPS0586	555995.739	365936.251	2.409	ToS	platform4
GPS0585	555995.676	365936.985	2.416	ToS	platform4
GPS0584	555995.138	365937.467	2.412	ToS	platform4
GPS0583	556009.705	365953.895	2.134	BoS	depression2
GPS0582	556008.787	365953.062	2.077	BoS	depression2
GPS0581	556007.771	365951.943	2.256	BoS	depression2
GPS0580	556006.202	365951.818	2.193	BoS	depression2
GPS0579	556005.519	365952.949	2.167	BoS	depression2
GPS0578	556005.926	365954.425	2.052	BoS	depression2
GPS0577	556006.538	365956.258	2.002	BoS	depression2
GPS0576	556016.898	365957.483	2.329	ToS	platform3
GPS0575	556015.912	365955.174	2.354	ToS	platform3
GPS0574	556012.799	365951.944	2.394	ToS	platform3
GPS0573	556009.832	365948.254	2.426	ToS	platform3
GPS0572	556003.273	365950.548	2.298	ToS	platform2
GPS0571	556004.354	365951.263	2.32	ToS	platform2
GPS0570	556005.579	365950.786	2.448	ToS	platform2
GPS0569	556007.798	365949.75	2.415	ToS	platform2

GPS0568	556011.101	365952.519	2.415	ToS	platform2
GPS0567	556013.555	365956.036	2.347	ToS	platform2
GPS0566	556010.736	365958.194	2.263	ToS	platform2
GPS0565	556009.152	365960.051	2.298	ToS	platform2
GPS0564	556010.537	365961.565	2.296	ToS	platform2
GPS0563	556013.27	365961.715	2.297	ToS	platform2
GPS0562	556014.005	365961.134	2.322	ToS	platform2
GPS0561	556015.186	365961.904	2.289	ToS	platform2
GPS0560	556016.482	365962.533	2.389	ToS	platform2
GPS0559	556018.083	365963.152	2.368	ToS	platform2
GPS0558	556017.631	365954.731	2.048	BoS	depression1
GPS0557	556019.675	365953.897	2.029	BoS	depression1
GPS0556	556021.855	365956.145	2.142	BoS	depression1
GPS0555	556020.802	365957.803	2.13	BoS	depression1
GPS0554	556019.116	365956.999	2.157	BoS	depression1
GPS0553	556018.742	365956.108	2.086	BoS	depression1
GPS0552	556025.396	365959.433	2.271	ToS	platform1
GPS0551	556023.705	365960.607	2.331	ToS	platform1
GPS0550	556021.116	365961.195	2.282	ToS	platform1
GPS0549	556018.992	365961.374	2.313	ToS	platform1
GPS0548	556019.077	365963.366	2.375	ToS	platform1
GPS0547	556020.565	365963.059	2.34	ToS	platform1
GPS0546	556023.67	365962.652	2.375	ToS	platform1
GPS0545	556038.673	365980.912	2.35	BoS	machine strip
GPS0544	556037.777	365979.778	2.352	BoS	machine strip
GPS0543	556033.136	365983.447	2.301	BoS	machine strip
GPS0542	556032.197	365982.524	2.173	BoS	machine strip
GPS0541	556030.636	365980.39	2.107	BoS	machine strip
GPS0540	556029.917	365977.498	2.094	BoS	machine strip
GPS0539	556029.027	365974.214	1.899	BoS	machine strip
GPS0538	556030.259	365972.44	1.891	BoS	machine strip
GPS0537	556030.983	365970.639	1.997	BoS	machine strip
GPS0536	556033.567	365967.328	2.108	BoS	machine strip
GPS0535	556034.209	365966.258	2.08	BoS	machine strip
GPS0534	556033.921	365964.802	2.033	BoS	machine strip
GPS0533	556032.894	365964.609	2.1	BoS	machine strip
GPS0532	556031.589	365964.395	2.021	BoS	machine strip
GPS0531	556030.483	365962.887	2.016	BoS	machine strip
GPS0530	556028.938	365960.982	2.025	BoS	machine strip
GPS0529	556030.089	365959.299	2.02	BoS	machine strip
GPS0528	556030.729	365959.39	1.993	BoS	machine strip
GPS0527	556032.636	365960.533	2.013	BoS	machine strip
GPS0526	556034.858	365963.185	2.024	BoS	machine strip
GPS0525	556035.636	365964.956	2.039	BoS	machine strip
GPS0524	556037.23	365965.764	2.144	BoS	machine strip
GPS0523	556041.816	365971.084	2.28	BoS	machine strip
GPS0522	556042.647	365974.463	2.232	BoS	machine strip
GPS0521	556042.818	365978.772	2.331	BoS	machine strip
GPS0520	556045.806	365968.647	2.347	MOD	rubble1
GPS0519	556046.585	365967.585	2.342	MOD	rubble1
GPS0518	556047.741	365966.958	2.361	MOD	rubble1
GPS0517	556049.163	365967.295	2.387	MOD	rubble1
GPS0516	556052.559	365968.63	2.453	MOD	rubble1
GPS0515	556055.135	365971.578	2.365	MOD	rubble1
GPS0514	556056.002	365973.083	2.382	MOD	rubble1
GPS0513	556055.119	365974.821	2.401	MOD	rubble1

GPS0512	556054.032	365975.557	2.493	MOD	rubble1
GPS0511	556053.254	365975.851	2.289	MOD	rubble1
GPS0510	556052.525	365975.449	2.371	MOD	rubble1
GPS0509	556051.929	365974.732	2.398	MOD	rubble1
GPS0508	556051.121	365973.5	2.371	MOD	rubble1
GPS0507	556050.419	365973.544	2.34	MOD	rubble1
GPS0506	556049.673	365972.707	2.387	MOD	rubble1
GPS0505	556048.209	365971.554	2.365	MOD	rubble1
GPS0504	556046.285	365969.828	2.369	MOD	rubble1
GPS0503	556045.482	365969.751	2.292	MOD	road1
GPS0502	556041.556	365967.099	2.227	MOD	road1
GPS0501	556037.336	365963.143	2.196	MOD	road1
GPS0500	556029.197	365956.204	2.124	MOD	road1
GPS0499	556019.996	365948.34	1.996	MOD	road1
GPS0498	556013.22	365942.766	2.052	MOD	road1
GPS0497	556006.911	365938.359	2.125	MOD	road1
GPS0496	556002.649	365935.161	2.246	MOD	road1
GPS0495	555995.966	365932.243	2.357	MOD	road1
GPS0494	555989.945	365931.746	2.303	MOD	road1
GPS0493	555985.013	365931.91	2.261	MOD	road1
GPS0492	555982.299	365932.841	2.264	MOD	road1
GPS0490	555982.318	365932.776	2.268	MOD	hardcore
GPS0489	555984.416	365935.173	2.167	MOD	hardcore
GPS0488	555986.226	365938.11	2.125	MOD	hardcore
GPS0487	555988.319	365943.589	2.218	MOD	hardcore
GPS0486	555988.556	365947.221	2.293	MOD	hardcore
GPS0485	555994.995	365922.459	2.344	MOD	scrub
GPS0484	556000.573	365926.351	2.252	MOD	scrub
GPS0483	556008.792	365933.439	2.112	MOD	scrub
GPS0482	556020.081	365941.727	2.078	MOD	scrub
GPS0481	556030.85	365950.211	2.041	MOD	scrub
GPS0480	556043.331	365960.864	2.188	MOD	scrub
GPS0479	556049.799	365967.09	2.359	MOD	scrub
GPS0478	556058.976	365972.684	2.484	MOD	scrub
GPS0477	556058.712	365977.777	2.391	MOD	scrub
GPS0476	556054.774	365989.74	2.438	MOD	scrub
GPS0475	556049.309	365996.535	2.373	MOD	scrub
GPS0474	556101.707	366130.496	2.328	MOD	rubble
GPS0473	556101.197	366131.161	2.353	MOD	rubble
GPS0472	556100.296	366131.319	2.347	MOD	rubble
GPS0471	556099.376	366131.085	2.327	MOD	rubble
GPS0470	556098.188	366129.338	2.256	MOD	rubble
GPS0469	556097.99	366128.038	2.309	MOD	rubble
GPS0468	556098.147	366127.378	2.32	MOD	rubble
GPS0467	556098.584	366126.625	2.314	MOD	rubble
GPS0466	556098.418	366126.064	2.322	MOD	rubble
GPS0465	556098.109	366125.739	2.309	MOD	rubble
GPS0464	556097.649	366124.879	2.308	MOD	rubble
GPS0463	556096.862	366124.991	2.293	MOD	rubble
GPS0462	556096.472	366124.68	2.315	MOD	rubble
GPS0461	556095.722	366123.08	2.298	MOD	rubble
GPS0460	556095.684	366122.573	2.279	MOD	rubble
GPS0459	556095.863	366121.504	2.296	MOD	rubble
GPS0458	556096.448	366120.701	2.298	MOD	rubble
GPS0457	556095.952	366119.566	2.282	MOD	rubble
GPS0456	556094.616	366119.479	2.271	MOD	rubble

GPS0455	556094.309	366118.282	2.283	MOD	rubble
GPS0454	556094.601	366117.685	2.296	MOD	rubble
GPS0453	556094.303	366116.145	2.312	MOD	rubble
GPS0452	556093.807	366113.19	2.339	MOD	rubble
GPS0451	556093.338	366112.1	2.349	MOD	rubble
GPS0450	556092.992	366111.331	2.363	MOD	rubble
GPS0449	556092.159	366110.806	2.374	MOD	rubble
GPS0448	556091.361	366109.791	2.317	MOD	rubble
GPS0447	556091.689	366108.54	2.362	MOD	rubble
GPS0446	556091.913	366107.798	2.352	MOD	rubble
GPS0445	556091.122	366105.952	2.36	MOD	rubble
GPS0444	556089.704	366102.236	2.349	MOD	rubble
GPS0443	556088.971	366096.811	2.14	MOD	rubble
GPS0442	556086.671	366088.83	2.287	MOD	rubble
GPS0441	556084.108	366080.902	2.242	MOD	rubble
GPS0440	556082.355	366075.044	2.162	MOD	rubble
GPS0439	556082.713	366070.979	2.199	MOD	rubble
GPS0438	556082.943	366069.145	2.181	MOD	rubble
GPS0437	556083.988	366068.587	2.136	MOD	rubble
GPS0436	556085.479	366068.406	2.162	MOD	rubble
GPS0435	556087.26	366068.606	2.127	MOD	rubble
GPS0434	556088.648	366069.827	2.126	MOD	rubble
GPS0433	556089.521	366072.882	2.196	MOD	rubble
GPS0432	556091.631	366077.892	2.315	MOD	rubble
GPS0431	556093.473	366082.336	2.317	MOD	rubble
GPS0430	556093.466	366086.13	2.314	MOD	rubble
GPS0429	556094.842	366090.232	2.316	MOD	rubble
GPS0428	556096.075	366095.078	2.204	MOD	rubble
GPS0427	556096.156	366099.206	2.34	MOD	rubble
GPS0426	556096.579	366103.617	2.32	MOD	rubble
GPS0425	556097.357	366107.639	2.26	MOD	rubble
GPS0424	556098.075	366111.208	2.248	MOD	rubble
GPS0423	556099.509	366115.283	2.244	MOD	rubble
GPS0422	556100.26	366117.722	2.272	MOD	rubble
GPS0421	556101.474	366121.24	2.212	MOD	rubble
GPS0420	556101.615	366123.472	2.266	MOD	rubble
GPS0419	556101.302	366124.268	2.3	MOD	rubble
GPS0418	556101.289	366127.4	2.342	MOD	rubble
GPS0417	556102.365	366128.89	2.332	MOD	rubble
GPS0416	556102.515	366129.695	2.324	MOD	rubble
GPS0415	556108.001	366134.175	2.278	MOD	road
GPS0414	556106.373	366131.266	2.256	MOD	road
GPS0413	556103.358	366126.103	2.23	MOD	road
GPS0412	556101.154	366122.403	2.233	MOD	road
GPS0411	556099.876	366118.87	2.246	MOD	road
GPS0410	556098.954	366114.742	2.215	MOD	road
GPS0409	556096.823	366106.71	2.264	MOD	road
GPS0408	556090.832	366108.02	2.364	MOD	road
GPS0407	556092.535	366115.097	2.252	MOD	road
GPS0406	556095.719	366124.019	2.276	MOD	road
GPS0405	556100.042	366132.337	2.339	MOD	road
GPS0404	556103.869	366139.084	2.377	MOD	road
GPS0403	556111.007	366150.013	2.289	MOD	road
GPS0402	556123.629	366166.274	2.276	MOD	road
GPS0401	556142.264	366190.26	2.289	MOD	road
GPS0400	556159.43	366213.663	2.231	MOD	road

GPS0399	556167.938	366224.05	2.196	MOD	road
GPS0398	556173.712	366233.255	2.208	MOD	road
GPS0397	556177.101	366238.41	2.19	MOD	road
GPS0396	556179.058	366241.836	2.177	MOD	road
GPS0395	556182.124	366249.419	2.182	MOD	road
GPS0394	556187.107	366263.715	2.186	MOD	road
GPS0393	556190.899	366274.037	2.209	MOD	road
GPS0392	556192.772	366280.08	2.199	MOD	road
GPS0391	556193.592	366288.645	2.168	MOD	road
GPS0390	556188.863	366290.029	2.105	MOD	crop
GPS0389	556187.189	366293.569	2.202	MOD	crop
GPS0388	556185.104	366296.036	2.223	MOD	crop
GPS0387	556179.988	366297.68	2.131	MOD	crop
GPS0386	556174.169	366299.099	2.095	MOD	crop
GPS0385	556166.838	366299.489	2.207	MOD	crop
GPS0384	556160.669	366301.564	2.132	MOD	crop
GPS0383	556157.106	366303.994	2.123	MOD	crop
GPS0382	556146.119	366305.954	2.196	MOD	crop
GPS0381	556124.913	366312.13	2.23	MOD	crop
GPS0380	556123.546	366311.103	2.21	MOD	grass
GPS0379	556124.149	366313.763	2.253	MOD	grass
GPS0378	556127.659	366319.976	2.221	MOD	grass
GPS0377	556132.497	366324.657	2.231	MOD	grass
GPS0376	556146.01	366325.994	2.194	MOD	grass
GPS0375	556160.086	366321.712	2.102	MOD	grass
GPS0374	556172.549	366318.343	2.217	MOD	grass
GPS0373	556179.828	366317.404	2.196	MOD	grass
GPS0372	556189.491	366318.709	2.238	MOD	grass
GPS0371	556196.559	366317.329	2.243	MOD	grass
GPS0370	556193.831	366290.838	2.191	MOD	road
GPS0369	556195.486	366310.992	2.253	MOD	road
GPS0368	556198.992	366324.056	2.225	MOD	road
GPS0367	556209.498	366348.654	2.34	MOD	road
GPS0366	556218.531	366345.774	2.317	MOD	road
GPS0365	556216.923	366344.26	2.301	MOD	road
GPS0364	556210.795	366337.434	2.304	MOD	road
GPS0363	556204.618	366325.062	2.338	MOD	road
GPS0362	556200.074	366304.968	2.32	MOD	road
GPS0361	556198.471	366289.344	2.247	MOD	road
GPS0360	556195.846	366271.837	2.218	MOD	road
GPS0359	556189.927	366255.329	2.186	MOD	road
GPS0358	556182.869	366236.225	2.246	MOD	road
GPS0357	556178.207	366227.318	2.165	MOD	road
GPS0356	556158.869	366203.118	2.259	MOD	road
GPS0355	556136.478	366173.18	2.294	MOD	road
GPS0354	556117.023	366147.47	2.257	MOD	road
GPS0353	556108.167	366134.208	2.283	MOD	road
GPS0352	556083.792	366168.857	2.042	boundary	
GPS0351	556085.401	366172.936	2.192	boundary	
GPS0350	556086.429	366180.788	2.117	boundary	
GPS0349	556089.54	366195.035	2.175	boundary	
GPS0348	556091.143	366205.194	2.131	boundary	
GPS0347	556094.062	366223.436	2.004	boundary	
GPS0346	556096.503	366233.177	1.964	boundary	
GPS0345	556100.517	366244.106	2.108	boundary	
GPS0344	556109.341	366275.293	2.094	boundary	

GPS0343	556117.272	366302.395	2.184	boundary
GPS0342	556120.335	366320.118	2.039	boundary
GPS0341	556125.64	366335.553	2.098	boundary
GPS0340	556132.084	366352.701	2.219	boundary
GPS0339	556137.091	366372.191	2.198	boundary
GPS0338	556139.902	366379.717	2.19	boundary
GPS0337	556140.553	366380.416	2.109	boundary
GPS0336	556146.233	366377.97	2.131	boundary
GPS0335	556154.452	366373.213	2.133	boundary
GPS0334	556163.357	366367.796	2.262	boundary
GPS0333	556174.204	366361.581	2.296	boundary
GPS0332	556187.699	366356.112	2.205	boundary
GPS0331	556203.764	366350.521	2.379	boundary
GPS0330	556222.669	366343.31	2.391	boundary
GPS0329	556238.446	366338.114	2.592	boundary
GPS0328	556260.662	366329.318	2.616	boundary
GPS0327	556282.548	366320.244	2.632	boundary
GPS0326	556301.782	366312.265	2.398	boundary
GPS0325	556308.225	366308.834	2.225	boundary
GPS0324	556326.897	366299.456	2.541	boundary
GPS0323	556337.007	366293.577	2.458	boundary
GPS0322	556349.181	366284.932	2.429	boundary
GPS0321	556365.345	366272.771	2.462	boundary
GPS0320	556387.524	366256.064	2.527	boundary
GPS0319	556401.347	366237.701	2.161	ToS
GPS0318	556399.788	366237.663	2.229	ToS
GPS0317	556398.189	366236.78	2.305	ToS
GPS0316	556391.273	366228.767	2.227	ToS
GPS0315	556383.48	366217.345	2.183	ToS
GPS0314	556373.328	366203.32	2.25	ToS
GPS0313	556361.932	366189.912	2.352	ToS
GPS0312	556355.418	366183.639	2.441	ToS
GPS0311	556346.719	366172.585	2.409	ToS
GPS0310	556336.523	366160.923	2.435	ToS
GPS0309	556328.218	366151.09	2.583	ToS
GPS0308	556317.862	366136.9	2.696	ToS
GPS0307	556313.273	366129.801	2.374	ToS
GPS0306	556310.46	366126.414	2.367	ToS
GPS0305	556309.527	366125.431	2.233	ToS
GPS0304	556308.091	366124.926	2.191	ToS
GPS0303	556306.671	366124.842	2.173	ToS
GPS0302	556305.656	366124.854	2.173	ToS
GPS0301	556304.271	366125.411	2.188	ToS
GPS0300	556294.146	366130.028	2.328	ToS
GPS0299	556284.101	366134.202	2.284	ToS
GPS0298	556282.326	366136.215	2.349	ToS
GPS0297	556280.335	366141.231	2.404	ToS
GPS0296	556280.571	366146.777	2.513	ToS
GPS0295	556281.47	366179.553	2.488	ToS
GPS0294	556282.634	366197.213	2.532	ToS
GPS0293	556285.761	366220.133	2.447	ToS
GPS0292	556287.213	366228.797	2.466	ToS
GPS0291	556290.052	366242.469	2.218	ToS
GPS0290	556295.084	366262.052	2.149	ToS
GPS0289	556298.492	366275.045	2.172	ToS
GPS0288	556303.337	366291.122	2.207	ToS

GPS0287	556305.649	366300.407	2.219	ToS	Dyke3
GPS0286	556305.524	366301.033	2.223	ToS	Dyke3
GPS0285	556304.068	366302.142	2.159	ToS	Dyke3
GPS0284	556301.719	366302.478	2.141	ToS	Dyke3
GPS0283	556299.258	366297.973	2.059	ToS	Dyke3
GPS0282	556294.473	366281.578	2.22	ToS	Dyke3
GPS0281	556288.742	366261.807	2.297	ToS	Dyke3
GPS0280	556284.76	366245.408	2.285	ToS	Dyke3
GPS0279	556280.496	366226.908	2.425	ToS	Dyke3
GPS0278	556277.539	366213.058	2.369	ToS	Dyke3
GPS0277	556276.04	366201.325	2.41	ToS	Dyke3
GPS0276	556275.094	366189.113	2.459	ToS	Dyke3
GPS0275	556275.01	366177.597	2.39	ToS	Dyke3
GPS0274	556274.796	366169.001	2.33	ToS	Dyke3
GPS0273	556274.489	366159.818	2.374	ToS	Dyke3
GPS0272	556273.467	366148.092	2.567	ToS	Dyke3
GPS0271	556273.387	366141.675	2.335	ToS	Dyke3
GPS0270	556272.769	366140.547	2.431	ToS	Dyke3
GPS0269	556272.174	366140.153	2.419	ToS	Dyke3
GPS0268	556271.708	366140.117	2.465	ToS	Dyke3
GPS0267	556268.959	366141.598	2.385	ToS	Dyke3
GPS0266	556267.479	366142.262	2.22	ToS	Dyke3
GPS0265	556266.15	366141.609	2.413	ToS	Dyke3
GPS0264	556264.893	366140.879	2.227	ToS	Dyke3
GPS0263	556264.062	366140.712	2.289	ToS	Dyke4
GPS0262	556264.007	366141.15	2.313	ToS	Dyke4
GPS0261	556263.671	366141.613	2.336	ToS	Dyke4
GPS0260	556262.833	366142.464	2.332	ToS	Dyke4
GPS0259	556261.498	366143.451	2.233	ToS	Dyke4
GPS0258	556258.337	366145.466	2.331	ToS	Dyke4
GPS0257	556253.657	366147.608	2.277	ToS	Dyke4
GPS0256	556251.181	366147.373	2.222	ToS	Dyke4
GPS0255	556249.245	366147.337	2.159	ToS	Dyke4
GPS0254	556247.935	366146.517	2.15	ToS	Dyke4
GPS0253	556248.207	366145.606	2.194	ToS	Dyke4
GPS0252	556248.632	366145.041	2.268	ToS	Dyke4
GPS0251	556248.926	366144.858	2.294	ToS	Dyke4
GPS0250	556249.67	366144.812	2.355	ToS	Dyke4
GPS0249	556251.498	366145.35	2.198	ToS	Dyke4
GPS0248	556253.865	366145.091	2.12	ToS	Dyke4
GPS0247	556257.459	366142.985	2.196	ToS	Dyke4
GPS0246	556259.391	366141.968	2.245	ToS	Dyke4
GPS0245	556261.39	366140.553	2.276	ToS	Dyke4
GPS0244	556262.756	366140.245	2.322	ToS	Dyke4
GPS0243	556263.675	366140.708	2.3	ToS	Dyke4
GPS0242	556264.669	366140.703	2.232	ToS	Dyke3
GPS0241	556264.27	366139.636	2.175	ToS	Dyke3
GPS0240	556269.216	366135.776	2.246	ToS	Dyke3
GPS0239	556275.606	366130.873	2.099	ToS	Dyke3
GPS0238	556278.254	366129.198	2.05	ToS	Dyke3
GPS0237	556279.702	366128.564	2.133	ToS	Dyke3
GPS0236	556280.06	366129.141	1.936	ToS	Dyke3
GPS0235	556280.857	366128.899	2.059	ToS	Dyke3
GPS0234	556289.66	366125.511	2.256	ToS	Dyke3
GPS0233	556299.238	366121.969	2.152	ToS	Dyke3
GPS0232	556304.064	366119.767	2.084	ToS	Dyke3

GPS0231	556308.837	366117.831	2.052	ToS	Dyke3
GPS0230	556311.735	366118.079	2.091	ToS	Dyke3
GPS0229	556315.394	366121.525	2.208	ToS	Dyke3
GPS0228	556319.636	366126.194	2.026	ToS	Dyke3
GPS0227	556322.135	366130.672	2.23	ToS	Dyke3
GPS0226	556326.702	366137.714	2.429	ToS	Dyke3
GPS0225	556331.565	366143.66	2.342	ToS	Dyke3
GPS0224	556332.388	366144.434	2.326	ToS	Dyke3
GPS0223	556333.062	366144.635	2.343	ToS	Dyke3
GPS0222	556333.827	366144.496	2.332	ToS	Dyke3
GPS0221	556336.5	366142.367	2.302	ToS	Dyke3
GPS0220	556348.346	366133.05	2.134	ToS	Dyke3
GPS0219	556357.86	366126.433	2.104	ToS	Dyke3
GPS0218	556368.969	366117.908	2.045	ToS	Dyke3
GPS0217	556380.039	366108.592	2.249	ToS	Dyke3
GPS0216	556384.18	366104.611	2.215	ToS	Dyke3
GPS0215	556386.524	366101.973	2.213	ToS	Dyke3
GPS0214	556396.683	366093.49	2.419	ToS	Dyke3
GPS0213	556409.985	366082.963	2.341	ToS	Dyke3
GPS0212	556424.186	366072.347	2.286	ToS	Dyke3
GPS0211	556433.565	366065.708	2.33	ToS	Dyke3
GPS0210	556441.621	366060.559	2.221	ToS	Dyke3
GPS0209	556445.79	366058.589	2.324	ToS	Dyke3
GPS0208	556446.772	366058.555	2.148	ToS	Dyke3
GPS0207	556447.561	366058.994	2.169	ToS	Dyke3
GPS0206	556448.735	366060.308	1.976	ToS	Dyke3
GPS0205	556449.309	366062.158	2.11	ToS	Dyke3
GPS0204	556448.955	366063.423	2.148	ToS	Dyke3
GPS0203	556437.341	366071.851	2.279	ToS	Dyke3
GPS0202	556421.041	366082.931	2.138	ToS	Dyke3
GPS0201	556400.535	366099.33	2.145	ToS	Dyke3
GPS0200	556387.713	366110.631	2.245	ToS	Dyke3
GPS0199	556369.091	366124.801	2.129	ToS	Dyke3
GPS0198	556354.262	366136.371	2.054	ToS	Dyke3
GPS0197	556338.918	366148.412	2.321	ToS	Dyke3
GPS0196	556337.595	366149.764	2.219	ToS	Dyke3
GPS0195	556337.394	366150.787	2.152	ToS	Dyke3
GPS0194	556337.544	366151.712	2.108	ToS	Dyke3
GPS0192	556352.531	366168.657	2.173	ToS	Dyke3
GPS0191	556367.669	366185.841	2.217	ToS	Dyke3
GPS0190	556381.129	366202.336	2.327	ToS	Dyke3
GPS0189	556388.877	366212.05	2.309	ToS	Dyke3
GPS0188	556396.342	366222.415	2.304	ToS	Dyke3
GPS0187	556402.41	366230.548	2.237	ToS	Dyke3
GPS0186	556403.4	366235.225	2.242	ToS	Dyke3
GPS0185	556403.244	366236.065	2.212	ToS	Dyke3
GPS0184	556402.658	366236.867	2.15	ToS	Dyke3
GPS0183	556405.704	366242.592	2.184	boundary	
GPS0182	556412.994	366237.032	2.455	boundary	
GPS0181	556430.518	366223.499	2.511	boundary	
GPS0180	556451.653	366207.47	2.483	boundary	
GPS0179	556457.065	366203.826	2.455	boundary	
GPS0178	556473.54	366190.472	2.629	boundary	
GPS0177	556490.388	366177.61	2.592	boundary	
GPS0176	556506.427	366165.504	2.604	boundary	
GPS0175	556519.975	366155.218	2.727	boundary	

GPS0174	556521.026	366153.447	2.731	boundary
GPS0173	556521.339	366152.177	2.6	boundary
GPS0172	556518.668	366144.145	2.529	boundary
GPS0171	556510.855	366122.756	2.552	boundary
GPS0170	556503.89	366099.809	2.657	boundary
GPS0169	556493.897	366066.391	2.644	boundary
GPS0168	556485.682	366039.225	2.704	boundary
GPS0167	556475.979	366009.488	2.484	boundary
GPS0166	556466.684	365976.466	2.376	boundary
GPS0165	556458.854	365941.454	2.231	boundary
GPS0164	556453.057	365935.341	2.139	ToS
GPS0163	556454.28	365937.912	2.179	ToS
GPS0162	556452.921	365939.725	2.206	ToS
GPS0161	556445.298	365944.036	2.155	ToS
GPS0160	556429.357	365954.263	2.148	ToS
GPS0159	556404.138	365972.222	2.097	ToS
GPS0158	556384.805	365986.036	2.225	ToS
GPS0157	556367.573	365998.041	2.139	ToS
GPS0156	556345.917	366013.038	2.152	ToS
GPS0155	556328.12	366025.364	2.183	ToS
GPS0154	556309.906	366037.593	2.06	ToS
GPS0153	556290.166	366051.144	2.233	ToS
GPS0152	556264.816	366066.435	2.183	ToS
GPS0151	556251.201	366072.52	2.147	ToS
GPS0150	556232.143	366079.615	2.048	ToS
GPS0149	556225.583	366081.783	2.159	ToS
GPS0148	556223.781	366079.359	2.102	ToS
GPS0147	556223.066	366078.022	2.212	ToS
GPS0146	556224.246	366076.565	2.332	ToS
GPS0145	556247.687	366067.801	2.278	ToS
GPS0144	556266.937	366058.598	2.302	ToS
GPS0143	556279.301	366051.722	2.196	ToS
GPS0142	556297.959	366038.835	2.164	ToS
GPS0141	556303.841	366034.382	2.238	ToS
GPS0140	556322.06	366021.876	2.296	ToS
GPS0139	556343.095	366007.991	2.182	ToS
GPS0138	556365.612	365991.956	2.222	ToS
GPS0137	556385.318	365976.226	2.39	ToS
GPS0136	556409.675	365960.628	2.188	ToS
GPS0135	556422.704	365949.934	2.295	ToS
GPS0134	556437.692	365941.752	2.23	ToS
GPS0133	556452.439	365935.286	2.168	ToS
GPS0132	556446.014	365908.106	2.102	ToS
GPS0131	556446.526	365908.913	2.127	ToS
GPS0130	556447.913	365910.494	2.165	ToS
GPS0129	556447.633	365912.196	2.193	ToS
GPS0128	556446.45	365913.472	2.272	ToS
GPS0127	556433.513	365924.603	2.351	ToS
GPS0126	556418.607	365937.818	2.347	ToS
GPS0125	556406.222	365947.385	2.126	ToS
GPS0124	556398.704	365955.176	2.195	ToS
GPS0123	556374.561	365974.818	2.357	ToS
GPS0122	556348.359	365993.275	2.381	ToS
GPS0121	556328.582	366006.049	2.268	ToS
GPS0120	556310.799	366020.027	2.438	ToS
GPS0119	556293.655	366032.997	2.37	ToS

GPS0118	556283.828	366040.067	2.4	ToS	Dyke1
GPS0117	556271.706	366048.267	2.453	ToS	Dyke1
GPS0116	556263.12	366052.862	2.341	ToS	Dyke1
GPS0115	556249.136	366058.845	2.235	ToS	Dyke1
GPS0114	556233.802	366062.659	2.28	ToS	Dyke1
GPS0113	556214.18	366067.73	2.278	ToS	Dyke1
GPS0112	556195.674	366072.395	2.398	ToS	Dyke1
GPS0111	556177.772	366075.383	2.24	ToS	Dyke1
GPS0110	556157.508	366078.847	2.216	ToS	Dyke1
GPS0109	556142.274	366081.867	2.24	ToS	Dyke1
GPS0108	556135.507	366082.7	2.136	ToS	Dyke1
GPS0107	556133.823	366081.996	2.192	ToS	Dyke1
GPS0106	556132.874	366080.441	2.285	ToS	Dyke1
GPS0105	556132.563	366079.089	2.39	ToS	Dyke1
GPS0104	556132.763	366078.299	2.39	ToS	Dyke1
GPS0103	556133.204	366077.823	2.379	ToS	Dyke1
GPS0102	556136.623	366076.982	2.403	ToS	Dyke1
GPS0101	556152.871	366073.823	2.34	ToS	Dyke1
GPS0100	556167.61	366070.653	2.46	ToS	Dyke1
GPS0099	556185.978	366067.134	2.421	ToS	Dyke1
GPS0098	556201.288	366064.242	2.406	ToS	Dyke1
GPS0097	556216.494	366060.688	2.291	ToS	Dyke1
GPS0096	556236.788	366056.401	2.158	ToS	Dyke1
GPS0095	556248.419	366053.24	2.184	ToS	Dyke1
GPS0094	556256.924	366049.683	2.165	ToS	Dyke1
GPS0093	556263.666	366045.532	2.18	ToS	Dyke1
GPS0092	556267.869	366042.814	2.199	ToS	Dyke1
GPS0091	556267.419	366042.029	2.321	ToS	Dyke1
GPS0090	556271.038	366039.867	2.237	ToS	Dyke1
GPS0089	556271.347	366040.313	2.155	ToS	Dyke1
GPS0088	556273.088	366039.259	2.365	ToS	Dyke1
GPS0087	556294.976	366023.579	2.206	ToS	Dyke1
GPS0086	556317.819	366006.014	2.383	ToS	Dyke1
GPS0085	556335.309	365993.781	2.389	ToS	Dyke1
GPS0084	556346.499	365986.389	2.327	ToS	Dyke1
GPS0083	556365.613	365973.009	2.224	ToS	Dyke1
GPS0082	556381.292	365960.849	2.206	ToS	Dyke1
GPS0081	556392.642	365951.539	2.177	ToS	Dyke1
GPS0080	556406.046	365939.913	2.148	ToS	Dyke1
GPS0079	556417.892	365928.602	2.357	ToS	Dyke1
GPS0078	556431.966	365916.952	2.386	ToS	Dyke1
GPS0077	556444.555	365907.649	2.219	ToS	Dyke1
GPS0076	556450.747	365901.805	2.273	boundary	
GPS0075	556448.97	365893.648	2.384	boundary	
GPS0074	556443.801	365864.998	2.131	boundary	
GPS0073	556438.495	365833.279	2.404	boundary	
GPS0072	556436.041	365823.462	2.313	boundary	
GPS0071	556421.506	365834.699	2.42	boundary	
GPS0070	556371.235	365874.669	2.522	boundary	
GPS0069	556350.298	365892.488	2.594	boundary	
GPS0068	556338.691	365901.755	2.417	boundary	
GPS0067	556331.901	365906.754	2.313	boundary	
GPS0066	556323.693	365911.936	2.358	boundary	
GPS0065	556303.459	365924.173	2.372	boundary	
GPS0064	556290.781	365931.271	2.312	boundary	
GPS0063	556282.439	365935.517	2.365	boundary	

GPS0062	556269.768	365941.616	2.428	boundary
GPS0061	556252.03	365949.137	2.415	boundary
GPS0060	556243.924	365952.612	2.339	boundary
GPS0059	556227.522	365959.431	2.322	boundary
GPS0058	556211.24	365965.984	2.409	boundary
GPS0057	556202.497	365968.834	2.344	boundary
GPS0056	556193.157	365971.237	2.402	boundary
GPS0055	556179.521	365974.292	2.425	boundary
GPS0054	556160.324	365977.854	2.171	boundary
GPS0053	556099.62	365989.328	2.385	boundary
GPS0052	556094.364	365989.569	2.317	boundary
GPS0051	556091.511	365989.418	2.329	boundary
GPS0050	556086.263	365983.255	2.378	boundary
GPS0049	556084.528	365980.403	2.483	boundary
GPS0048	556083.212	365976.79	2.499	boundary
GPS0047	556078.854	365963.093	2.532	boundary
GPS0046	556077.587	365958.379	2.477	boundary
GPS0045	556076.664	365953.688	2.318	boundary
GPS0044	556076.872	365948.971	2.306	boundary
GPS0043	556077.671	365944.096	2.284	boundary
GPS0042	556078.825	365929.505	2.286	boundary
GPS0041	556077.984	365920.007	2.273	boundary
GPS0040	556077.265	365915.076	2.275	boundary
GPS0039	556075.978	365910.377	2.264	boundary
GPS0038	556073.859	365906.318	2.345	boundary
GPS0037	556045.572	365911.295	2.226	boundary
GPS0036	556007.435	365919.344	2.499	boundary
GPS0035	555967.428	365927.684	2.213	boundary
GPS0034	555974.737	365950.866	2.405	boundary
GPS0033	555991.323	365948.832	2.461	boundary
GPS0032	555996.079	365957.595	2.693	boundary
GPS0031	555998.249	365963.216	2.528	boundary
GPS0030	555999.758	365964.317	2.532	boundary
GPS0029	556015.463	365965.635	2.261	boundary
GPS0028	556019.491	365970.887	2.185	boundary
GPS0027	556027.49	365979.149	2.257	boundary
GPS0026	556032.965	365985.41	2.318	boundary
GPS0025	556039.911	365990.479	2.48	boundary
GPS0024	556045.352	365999.187	2.397	boundary
GPS0023	556048.688	366004.918	2.402	boundary
GPS0022	556050.768	366012.033	2.263	boundary
GPS0021	556052.716	366020.059	2.185	boundary
GPS0020	556053.507	366026.186	2.205	boundary
GPS0019	556053.848	366031.256	2.237	boundary
GPS0018	556053.401	366036.553	2.153	boundary
GPS0017	556052.578	366041.618	2.092	boundary
GPS0016	556050.937	366048.108	2.159	boundary
GPS0015	556048.265	366056.031	2.235	boundary
GPS0014	556045.964	366061.144	2.148	boundary
GPS0013	556037.899	366080.312	2.186	boundary
GPS0012	556034.557	366090.074	2.388	boundary
GPS0011	556033.212	366096.076	2.239	boundary
GPS0010	556032.36	366108.089	2.229	boundary
GPS0009	556033.321	366117.077	2.097	boundary
GPS0008	556036.936	366130.64	2.161	boundary
GPS0007	556040.968	366148.454	1.605	boundary

GPS0006	556045.499	366164.543	1.905	boundary
GPS0005	556047.376	366168.802	2.042	boundary
GPS0004	556066.325	366166.721	2.197	boundary
GPS0003	556075.912	366166.342	1.98	boundary
GPS0002	556079.993	366166.839	2.016	boundary
GPS0001	556082.328	366167.457	2.016	boundary

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OASIS ID: preconst3-138461

Project details

Project name	Land Adjacent to Skegness Water Leisure Park
Short description of the project	Topographic study of the land adjacent to Skegness Water Leisure Park
Project dates	Start: 09-11-2012 End: 26-11-2012
Previous/future work	Yes / Not known
Any associated project reference codes	S/153/00268/12 - Planning Application No.
Any associated project reference codes	46931 - Related HER No.
Any associated project reference codes	SWLT12 - Sitecode
Type of project	Field evaluation
Site status	None
Current Land use	Cultivated Land 4 - Character Undetermined
Monument type	BROAD RIDGE AND FURROW Medieval
Monument type	ENCLOSED FIELD SYSTEM Medieval
Significant Finds	NONE None
Methods & techniques	"Topographic Survey"
Development type	Recreational: Caravan park
Prompt	National Planning Policy Framework - NPPF
Position in the planning process	Between deposition of an application and determination

Project location

Country	England
Site location	LINCOLNSHIRE EAST LINDSEY SKEGNESS Skegness Water Leisure Park
Postcode	PE25 1EJ

Study area	15.00 Hectares
Site coordinates	TF 55967 65813 53 0 53 09 58 N 000 20 00 E Polygon
Site coordinates	TF 57391 65813 53 0 53 09 56 N 000 21 16 E Polygon
Site coordinates	TF 57391 66380 53 0 53 10 15 N 000 21 17 E Polygon
Site coordinates	TF 55967 66380 53 0 53 10 16 N 000 20 01 E Polygon

Project creators

Name of Organisation	Pre-Construct Archaeology (Lincoln)
Project brief originator	Pre-Construct Archaeology (Lincoln)
Project design originator	Pre-Construct Archaeology (Lincoln)
Project director/manager	Will Munford
Project supervisor	Mike Johnson
Type of sponsor/funding body	Developer
Name of sponsor/funding body	Ryland Design Services

Project archives

Physical Archive Exists?	No
Digital Archive recipient	Not yet ascertained
Digital Contents	"Survey"
Digital Media available	"GIS", "Images raster / digital photography", "Survey", "Text"
Paper Archive recipient	Not yet ascertained
Paper Contents	"Survey"
Paper Media available	"Report"

Entered by	Mike Johnson (mikejohnson@pre-construct.co.uk)
Entered on	3 December 2012

OASIS:

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