

Ellerton Moor Juniper Rigg

A Bronze Age landscape revealed by a recent heather burn.

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Photo 1 Juniper Rigg. View north eastward across the limit of the burned area to lower Swaledale, with drone in reconnaissance photo survey flight.

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Note on the Site Name

The area surveyed is located on the top and upper slopes of the prominent spur which forms the western side of Juniper Gill. This spur is located on the southern edge of Swaledale on the inside of a sharp bend of the Swale, (Map 1). The east-facing gentle slope of the Spur provides fine views down through the wooded slopes of Lower Swaledale (Photo 1). The north to west-facing scarp edge of the spur provides fine views through Mid Swaledale and through Arkengarthdale across Stainmore to the Pennine Escarpment overlooking the Vale of Eden (Photo 2). To the traveller on foot during prehistory, this route was the lowest and easiest crossing of the Pennines. Reference 1, Laurie T.C. (1985).

Since the Bronze Age remains which are the subject of this report are all located on the upper slopes of this unnamed spur, and not within Juniper Gill, the site will be more accurately described here as being on Juniper Rigg.



Photo 2: View north eastward across Swaledale from the northern edge of Juniper Rigg. Cairn F17 and co-axial F18 revealed by the burn. Note that the heather is lightly burned here and will recover but that the rocks of the archaeological features are now fully exposed.

Part One - The Survey

Survey method

The archaeology features were recorded using a ProMark 120 GPS using its internal antenna only. Post processing used GNSS Solutions software and OS Net Rinex 1 minute data from the RICH station 11.7km distant. The processed co-ordinates and heights for all features, together with confidences is recorded in Appendix Two.

Maps Acknowledgments and Copyright

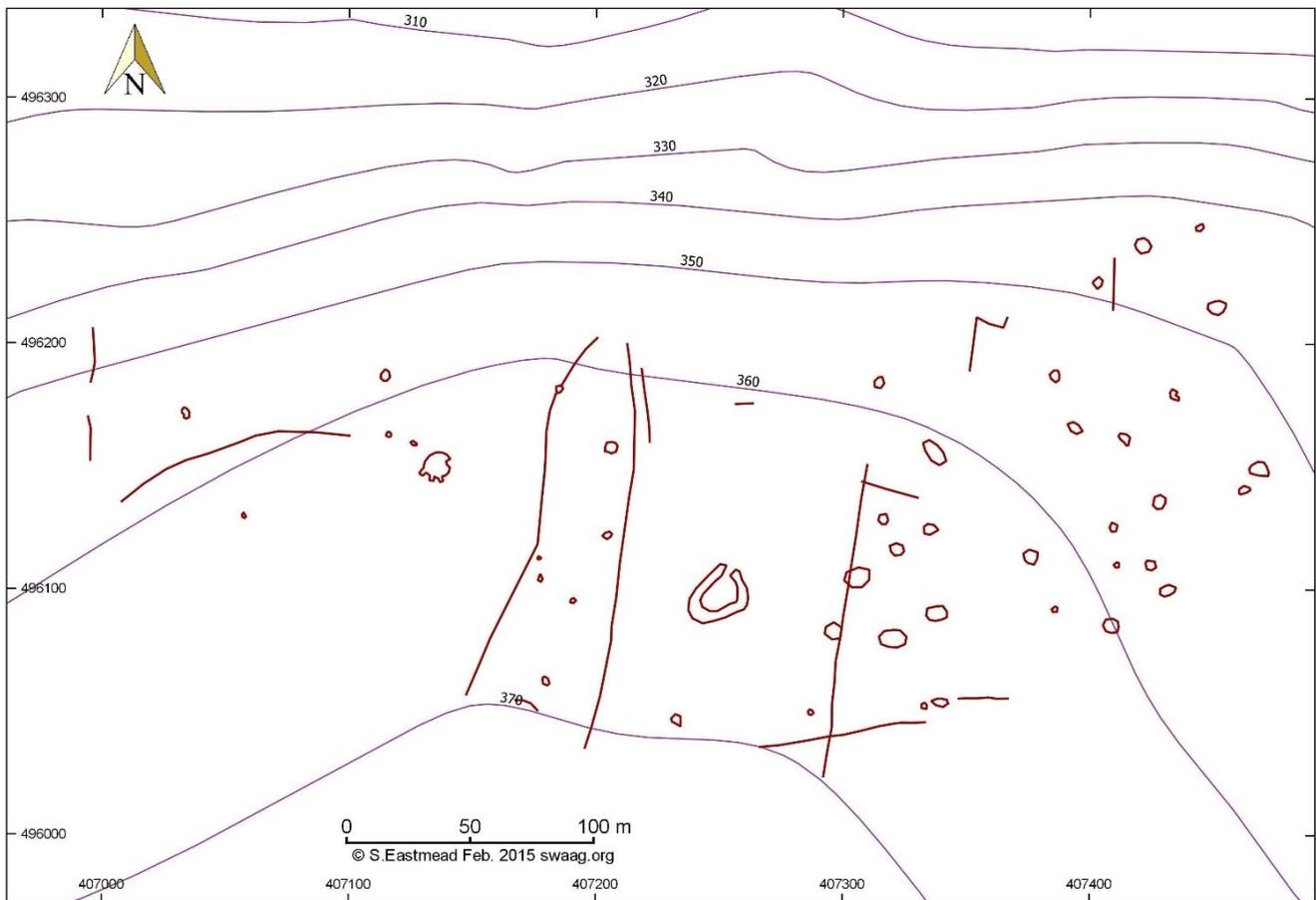
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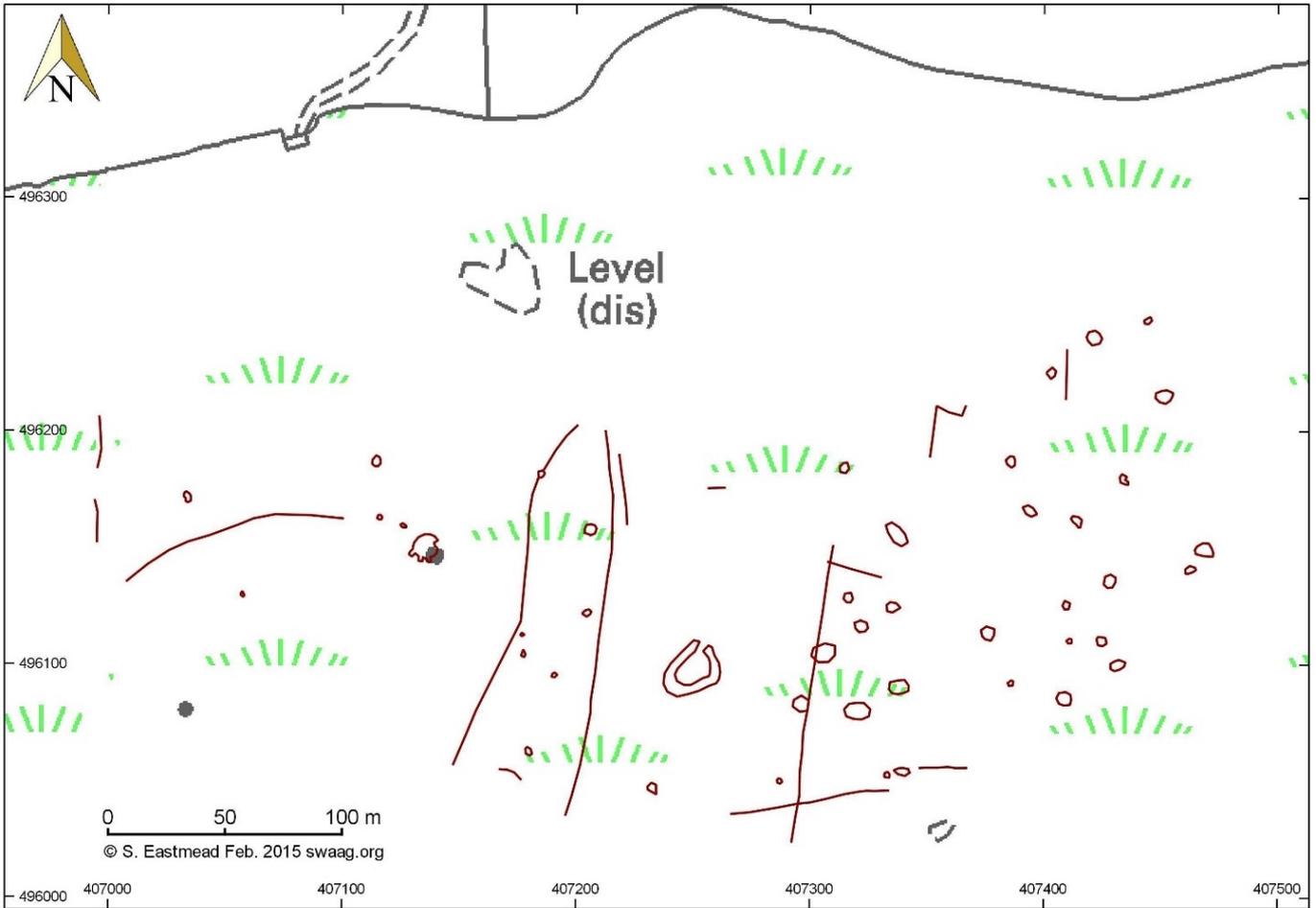
Map 1: Ellerton Moor Archaeological Features - Location Map



Map 2: Ellerton Moor Archaeological Features in Google earth

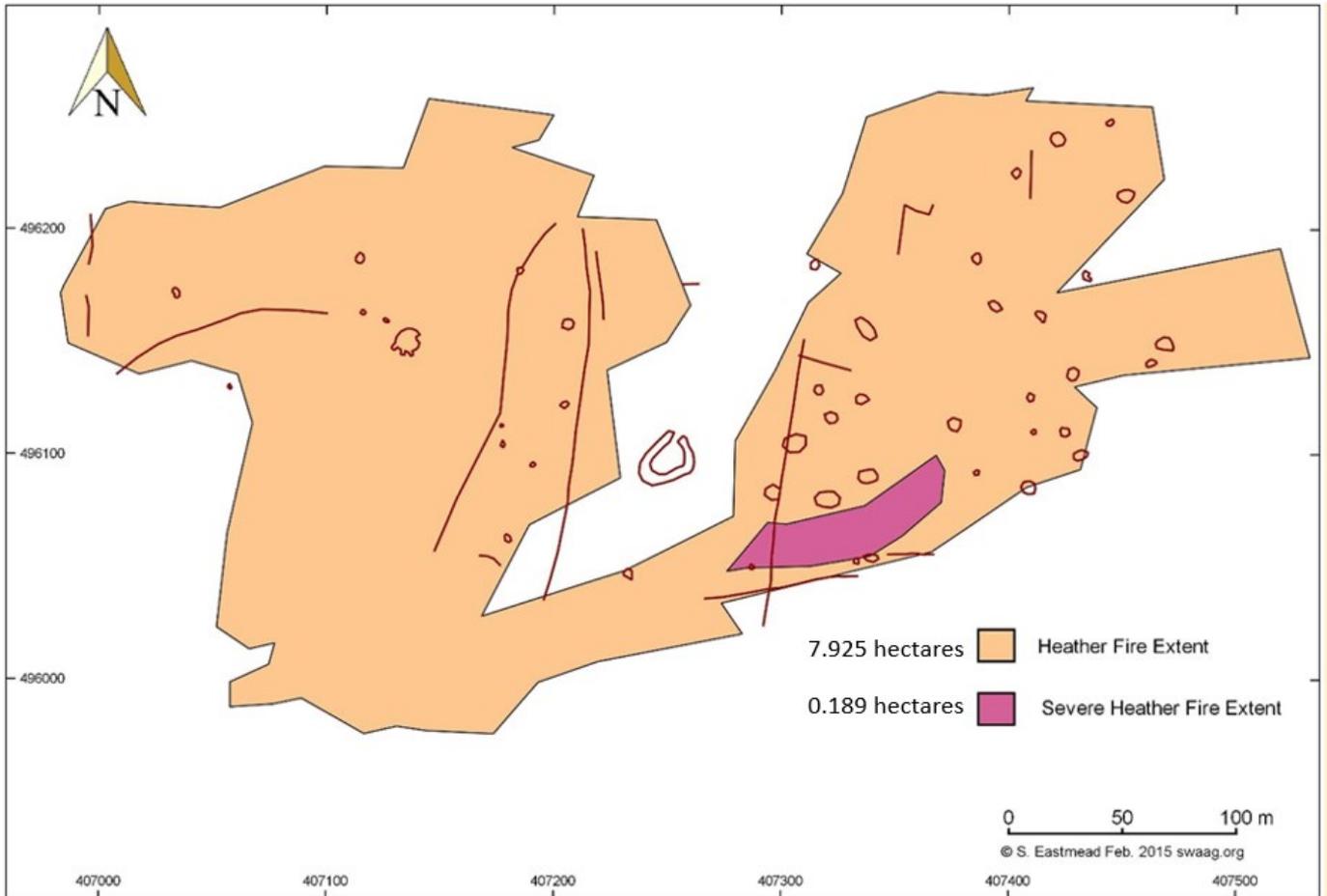


Map 3: Ellerton Moor Archaeological Features - Altitude Map

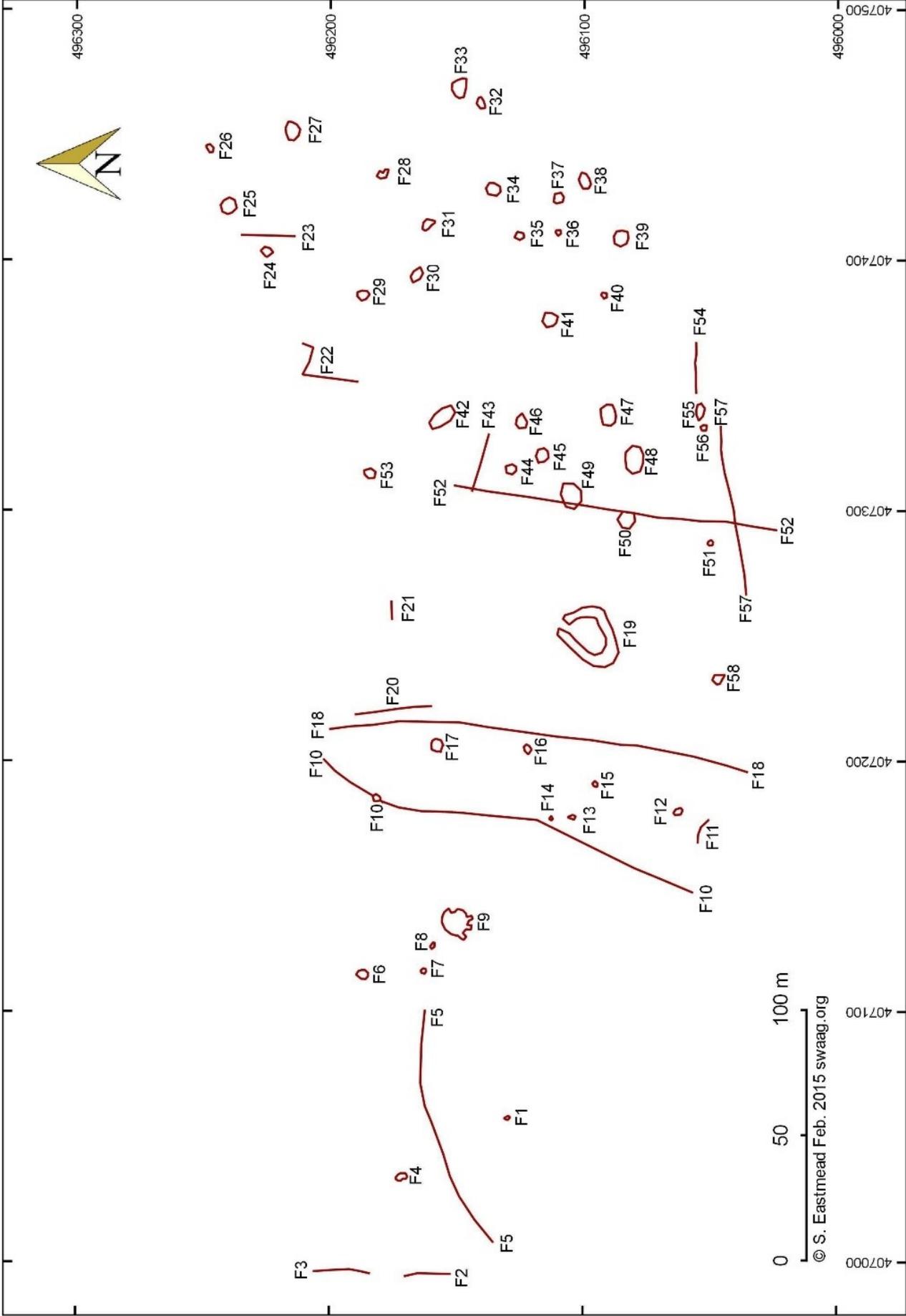


Map 4: Ellerton Moor Archaeological Features - OS 1:10,000 Map

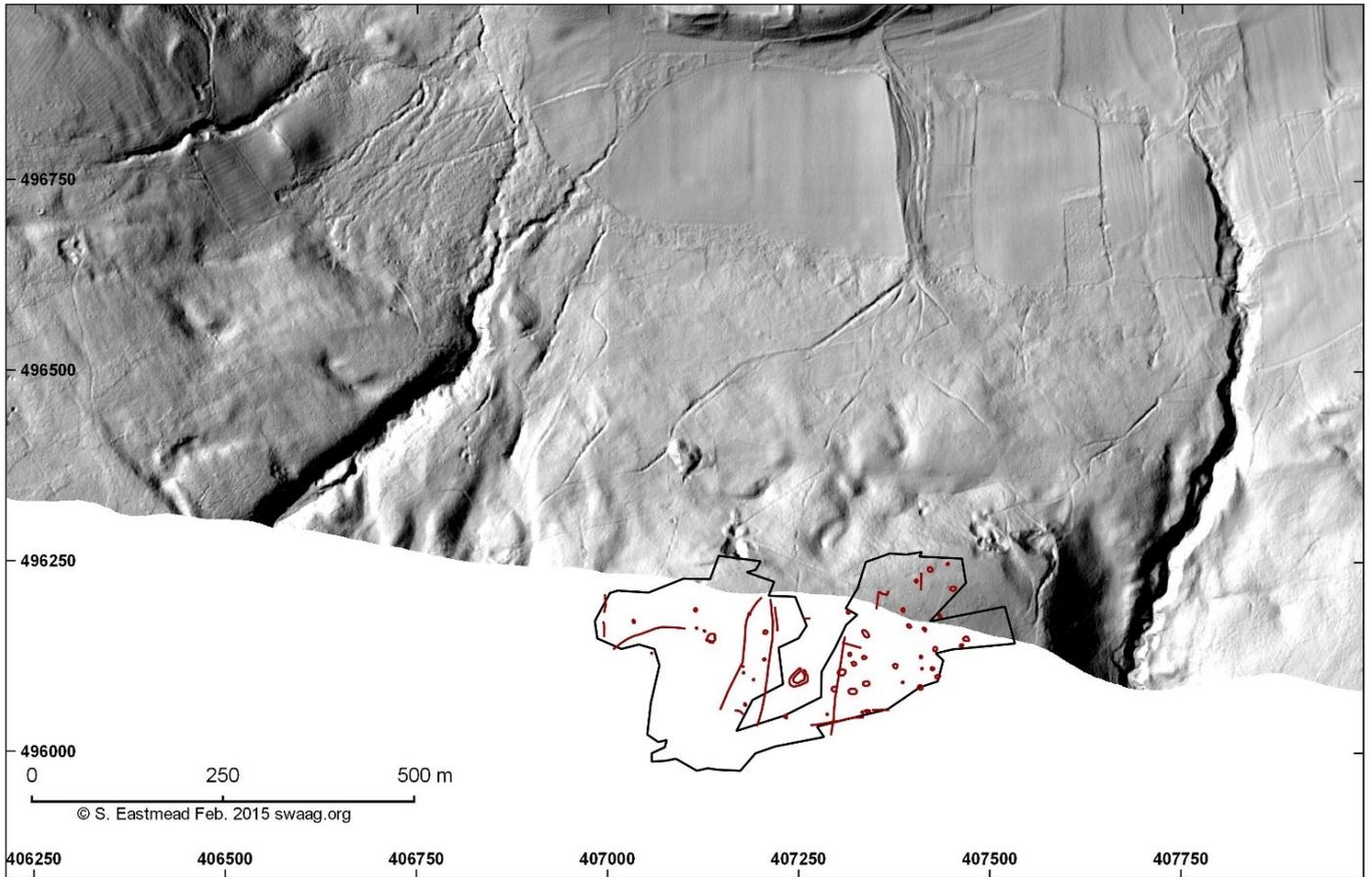
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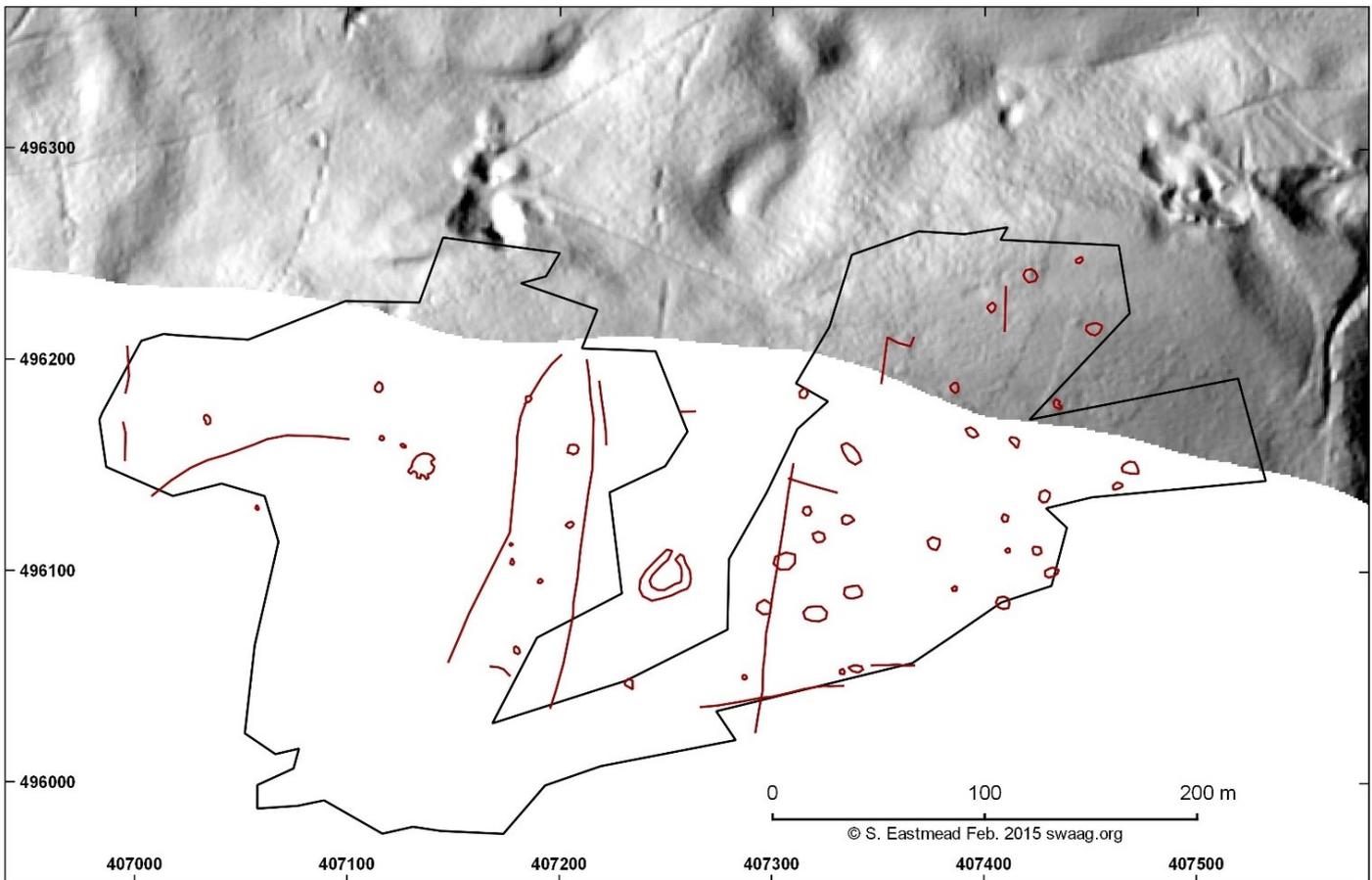
Map 5: Ellerton Moor Archaeological Features - Heather Fire Extent



Map 6: Ellerton Moor Archaeological Features - Gazetteer Codes



Map 7: Ellerton Moor Archaeological Features - LIDAR Coverage



Map 8: Ellerton Moor Archaeological Features - LIDAR Coverage

Part Two - The Archaeological Report

Introduction



Photo 3 The Ellerton Round Cairn on Juniper Rigg. View northwest across Swaledale through Arkengarthdale towards Stainmore and the Vale of Eden. Pre-burn May 1994.

1. Site Recognition and Pre-Burn Survey

The Bronze Age Cairnfield Settlement Complex at Juniper Rigg on Ellerton Moor to the west of Juniper Gill, which is the current study area and subject of this report, was first recognised and surveyed by Tim Laurie in the 1990's during field work on behalf of the CTA Conservation Group (Figure 1).

Despite the fact that the area with extensive archaeological remains on Juniper Rigg was at that time masked under heather of varying age and density, this previous survey recorded several fragmentary field boundaries, a total of 20 stone cairns including the very large Ellerton Cairn, a ring cairn and several stone banked enclosures. These features extended over moorland at an elevation of 360m AOD for a distance of almost 1m westward from Juniper Gill. Further archaeological features, including a standing stone, two small ring works and a large curvilinear stone banked enclosure were recorded at the head and to the east of Juniper Gill, (Figures 1 and 2).

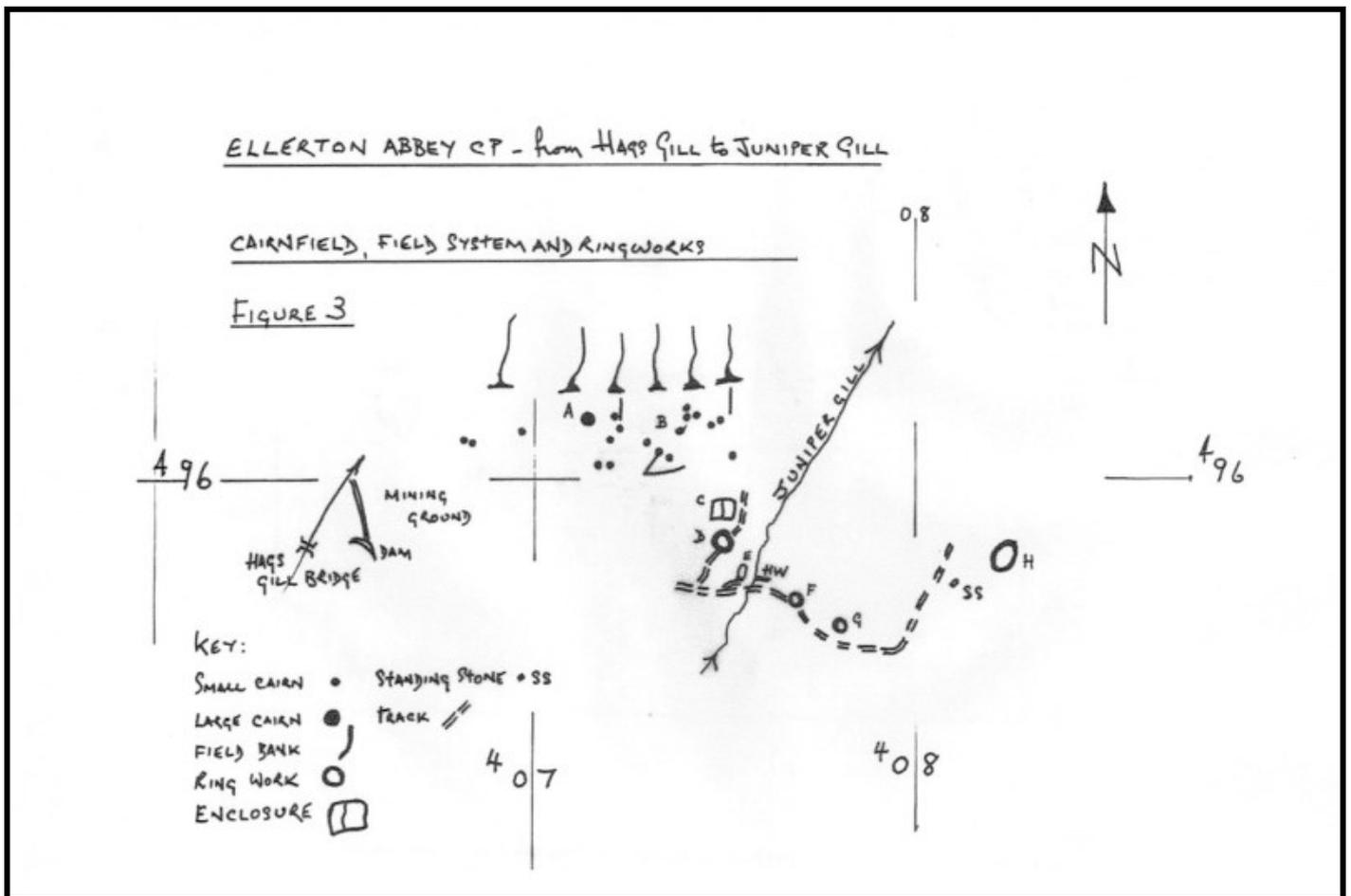


Figure 1 Ellerton Abbey CP -from Hags Gill to Juniper Gill and beyond. Archaeological remains surveyed 20 years before the Moorland Fire. Unpublished Survey. Tim Laurie 1994, CTA Conservation Group.

The survey of the Bronze Age Cairnfield Complex above Juniper Gill resulting from this fieldwork remained on file and was not published on grounds that it was incomplete. It was realised that the Bronze Age remains, masked below thick heather above Juniper Gill, were more extensive and could only be recognised and recorded when further areas of old heather were burned year on year in the course of the Moorland Heather Management Plan.

The rather similar Bronze Age Cairnfield Settlement Complex (Figure 3) located on the Stainton Moor Ranges some 3m further east on a south facing open moorland slope at a lower elevation above The White Bog stream (SE092958, centre) was surveyed within the Swaledale Ancient Land Boundaries Project (Reference 2) and has been described by Andrew Fleming (Reference 3) and can be compared with that at Juniper Rigg presently under consideration.

The opportunity for the current survey of the fossil Bronze Age landscape on Juniper Rigg, the high moorland spur to the west of Juniper Gill, arose during December 2014 when a large number of additional features were revealed after an area (approximately 8ha) of peat and heather covered moorland was burnt down to the clay subsoil when routine heather burning fires went out of control under conditions of gusting wind.



Photo 4 Three cairns F48 (nearest), F47 (central) and F41 (distant) aligned eastward down Swaledale. Photographed May 1994 showing pre-burn heather management.



Photo 5 the same aligned cairns within heavily burned area, photographed January 2015

Since it was considered essential that mitigation works by heather mulch and stabilisation to limit any further peat erosion should be completed before the nesting season, the survey of the archaeological remains revealed by the fires was undertaken **and essentially completed** by Stephen Eastmead working with Tim Laurie at the first opportunity, in winter conditions during one continuous period of 6 hours, on 26th January 2015.

In view of the urgency of the need to photograph and record the features which had become recognisable within the burned areas under winter conditions, there has been insufficient opportunity to make the large scale detailed site records of representative features which would form an essential element in a final report. This detailed survey work will follow as soon as weather conditions improve. This Report must therefore be considered as an Interim Report

The Final Report will include detailed plans of these features and will place the Juniper Rigg settlement in context with other archaeological features known to exist, from the western limit of the Ranges at Hags Gill to the Stainton-Wathgill Road.

Stephen Eastmead, GPS Surveying and Mapping Advisor to SWAAG is responsible for the technical survey and for the resulting maps. Tim Laurie, FSA. CTA Group Member (Archaeology) and Hon President of SWAAG, directed the archaeological survey and is the author of this Archaeological Report.

SWAAG wish to thank Phil Abramson for enabling this Survey, for reading through the Report and for the Supplement of Drone Photographs. SWAAG also thank Dr Moira Owen of arranging to make available the Defence Estates Digital Survey Files of the Burned Area.

The Site

Juniper Rigg is the high moorland spur forming the western side of Juniper Gill on the southern edge of lower Swaledale at a change of direction of the River Swale and immediately opposite and above Ellerton Priory. This high spur, situated at the inside of the sharp bend on the Swale, commands very fine views through Swaledale both upstream towards Reeth and Calver, downstream towards the woodland defile of the Lower Swale. Northward, Mickle Fell and the high fells of the Pennine Escarpment which overlook the Vale of Eden are distinctly visible through Arkengarthdale across the Pass of Stainmore.

The areas revealed to a varying extent by the recent heather burn and the subject of this survey extends westward from the upper edge of Juniper Gill for a distance of approximately 600m and southward from the edge of Swaledale for a distance of 500m. The Bronze Age remains present include areas with stone cairns, stone field banks together with isolated round house enclosures and funerary monuments all of which are characteristic of pioneering pastoralist settlements dated across Northern Upland Britain from the final Neolithic through the Bronze Age. Settlement at this complex of monuments may have been seasonal and intermittent with periods of abandonment followed by adaption and re-occupation over an extended period perhaps from as early as 2400BC to approximately 600BC. Evidence from the excavated cairnfield at Crawley Edge (Reference 6) suggests that cereals were grown on the cleared ground between the cairns.

In view of the need to record the remains exposed by the heather burn before consolidation works, this survey has been confined to the areas exposed by the burn and to other sites visible in the immediate vicinity of the burn.

Geology, Soils and Aspect

Juniper Gill is a short, steep sided ravine cut by a small stream through glacial till overlying strata of the Richmond Chert Series on the southern edge of Swaledale down to the Main Limestone (Reference 4).

The Main Limestone is exposed at intervals on the steep upper slopes of the Gill where it has been quarried.

The survey area (Maps 1-8 above) is located on the glacial till covered upper NW to NE facing slopes of the prominent spur, known here as Juniper Rigg, which forms the western side of Juniper Gill.

Juniper Rigg is immediately overlooked from the south by a short, steep slope formed by the outcrop of sandstone, the Edge, which underlies the Crow Limestone of the high moorland plateau. This steep Edge forms the southern limit of the area with recognised prehistoric settlement remains. Above this sandstone slope, the lead workings of the Ellerton and Stainton Mines, on the most easterly extension of the Stork Vein are very prominent (Reference 4).

The whole area surveyed was until recently, covered with thin peat soil over glacial clays supporting managed heather dominant heath vegetation. Small areas of bracken occur where settlement disturbance has brought the underlying calcareous clays to the surface.

Three separate zones can be recognised, each having a different aspect and landscape quality. The three zones can be defined as follows:

Zone 1. The steep north to north-west facing scarp slope which forms the southern edge of Swaledale.

Zone 2. The glacial till covered surface of the Rigg which is more or less level before finally dropping steeply at the southern edge of Swaledale.

Zone 3. The gentle north- east facing slopes of the Rigg which lead down to the ravine of Juniper Gill. These high slopes commands fine views directly down Lower Swaledale and over Feldom towards the lowlands of the Vale of Mowbray (Photo 1).

The Contemporary Prehistoric Environment

On the basis of pollen evidence obtained during the Swaledale Ancient Land Boundaries Project (Reference 2), from a 2-3m deep peat-infilled glacial overflow channel close to the Grinton-Leyburn Road on Ellerton Moor, NGR SE058984, 360m, some 2km to the west of Juniper Rigg, at the equivalent elevation — the uppermost slopes of Swaledale were in the Bronze Age, open hazel scrub on and below the limestone outcrops which provided excellent grazing to the stock animals of pioneering seasonal/transhumant Bronze Age pastoralist settlers. The clearances of these first unenclosed cairnfield settlements gradually developed to form the wide ranging open grassland managed pastures (the coaxial field systems). The coaxial field systems reached the high plateau at 430m AOD and were formed by clearance **downslope**, of the mixed deciduous woodland with Lime (*Tilia*) and Field Maple (*Acer campestris*) on the calcareous glacial till of the steep dale sides (Reference 5).

The contemporary Bronze Age prehistoric environment was thus very different indeed from the open heather dominant moorland of today which, subsequent to the Bronze Age, developed in consequence of leaching of soils, podsolisation and acidification following climatic deterioration- increased cooling and rainfall, coupled with increased grazing pressure during the Iron Age. The heather dominant moorland of today became established during the period of Roman occupation.

Evidence from trenches cut through stone field banks on Calverside during the SWALB Project (Reference 2), proved that the stone field banks accrued by field clearance to fence lines and in time developed to form hedgerows with hedgerow trees. Pollen of Field maple (*Acer campestris*) — a woodland edge and hedgerow tree, was present at Ellerton Moor in the contemporary horizon. This pollen sampling site was close to and overlooked by a very similar Bronze Age cairnfield and field system.

The Archaeological Remains

For a full list of all features surveyed and their differing categories, see the Gazetteer Appendix One.

All features present on Juniper Rigg conform to those present and which contribute to the designation of 'Cairnfield Settlements' elsewhere throughout Upland Britain. Two cairnfield settlement complexes can be cited as notable regional analogies for the Juniper Rigg Cairnfield. The first of these, with a total of 27 cairns and comparable in size to the Juniper Rigg Complex, is that at Crawley Edge above Stanhope in Weardale which was surveyed and excavated

by Robert Young during 1992, Reference 6. The second with at least 820 cairns and very much larger but otherwise comparable to Juniper Rigg was surveyed and examined in great detail by a collaborative team from Durham University and from the Institute for Material Culture, Polish Academy of Sciences (Poznan Branch) lead by Professors Anthony Harding and, J. Ostoja-Zagorski during the 1980's and 1990.s (Reference 7).

Structural features present at Juniper Rigg and common to most unenclosed and cairnfield type settlements, include:

1. Numbers of small and large stone cairns, most of which are stone clearance heaps although several well constructed cairns with or without visible kerbs do contain cremation burial deposits, as at Crawley Edge. Areas between the cairns are noticeably stone free.
2. A number of cairns of different dimensions, large and small, have been designated as possible funerary cairns on grounds that these selected cairns are, firstly, circular or otherwise reasonably well constructed. Secondly cairns which are located at characteristic viewpoints, for example the Ellerton Cairn, the three aligned cairns on the gentle east slope above Juniper Gill which overlook the lower Swale (F41, 47 and 49, see Photos 2 and 3) and those on the steep scarp edge (Zone 3) which command views through Arkengarthdale and over mid Swaledale. The three aligned cairns are larger than the norm, and are false crested on the eastern slope (Zone 3), so as to overlook the lower Swale Valley and the lowlands beyond.



Photo 6 Well-formed cairn (F6) at viewpoint on edge of the escarpment. Possible burial.



Photo 7 Small circular cairn revealed by the burn. (F55). Possible burial.

3. The Ellerton Cairn (F9) which, being prominently located at a notable viewpoint and being significantly larger than the remaining cairns, can fairly be described as a funerary monument. This cairn, which has been built over a number of radial banks which project beyond the perimeter of the cairn, shows evidence of having been constructed to a pre-conceived plan.



Photo 8 The Ellerton Cairn. (F9). Note the projecting radial banks. Compare with pre burn photo 3 above.

4. Stone dump field banks which although fragmentary, do conform to a common axis, i.e. are coaxial, with slight transverse and terminal field banks and offset gateways to suit movement of stock from field to field. Although very small in scale and wavering in the short run are orientated. The aligned field banks at Juniper Rigg do indicate the idea of a managed field system. The field banks may have been formed by clearance against a pre existing fence line and are only occasionally revetted with facing upright stones (orthostats).



Photos 9 and 10 Offset entrance between the two substantial field banks, F55 and F57

6. Round house enclosures. One probable stone banked example (F 19) with east facing elongated entrance feature, has been recognised. Further possible round house enclosures may exist in areas of thick vegetation beyond the areas surveyed here.



Photos 11 and 12. F19 Round house enclosure bank masked below vegetation. At edge of burned area.

7. Ring Cairns. Circular enclosures without entrances defined by circular stone dump banks of cairn material are present at Juniper Rigg, e.g. F27 (Photo 13) and F50 (Photo14) and the scheduled ring cairn, SE 07959585, enclosure D on the Pre-Burn Survey Map, Figure 1 and surveyed when visible in 1994, see plan below, Figure 2. This very low ring work is outside the area of the burn and is currently hidden below heather. It has been heavily quarried and is over-ridden by a vehicle track.



Photo 13 F27 Ring Cairn on Scarp Edge. Masked below thin peat in lightly burned area.

Note on urn cremations within circular stone settings and cist burials below cairns.

Although no examples have so far been recognised at Juniper Rigg, urn cremation burials contained within small circular stone settings, which serve the purpose of defining and enclosing one or more cremation burials in pits, are usually present within cairnfield settlements, for example as those present below two stone cairns excavated at Crawley Edge, above Stanhope, Weardale (Reference 6), and at Danby Rigg (Reference 7) on the North York Moors.



Photo 14. F50 Ring cairn tangential to F18 coaxial field bank. This ring cairn was revealed by the burn.

Affinities of the Juniper Rigg Cairnfield.

The settlement complex at Juniper Rigg has not been excavated and, is at present, undateable except by analogy. The site is however comparable in every respect to the numerous unenclosed upland settlements which have been excavated and dated elsewhere in the North Pennine Fringe, on the North Yorkshire Moors on the fringes of the Lake District and of the Cheviot Hills.

Two references are provided to excavated cairnfield settlements which provide good regional analogies for the Juniper Rigg Complex.:

1. The excavated Bronze Age Cairnfield Complex on Crawley Edge above Stanhope in Weardale. This cairnfield site is directly comparable, both on point of size (27 cairns) and in the elevated spur location which overlooks the valley of the River Wear. Two cairns excavated at the Crawley Edge cairnfield produced a collared urn burial within a small stone setting, jet bi-conical necklace and a saddle quern indicating the use if not the growing of cereals. Occupation of this cairnfield is radiocarbon dated to the Late Neolithic and Bronze Age (Reference 6).
2. The very large Bronze Age Cairnfield Complex with at least 820 cairns located on a high moorland spur on Danby Rigg in the North York Moors (Reference 7).

The focus of the very large cairnfield complex on Danby Rigg was the prominent ring cairn which could otherwise described as an embanked stone circle or enclosed cremation cemetery constructed to include a pre-existing standing stone. Very large round cairns and ring cairns are usually present on cairnfield sites elsewhere throughout the uplands of Northern Britain. Unenclosed round house enclosures as F19 at Juniper Rigg, are only occasionally present on cairnfields. The post holes of round houses constructed of timber would leave no visible evidence of their existence.

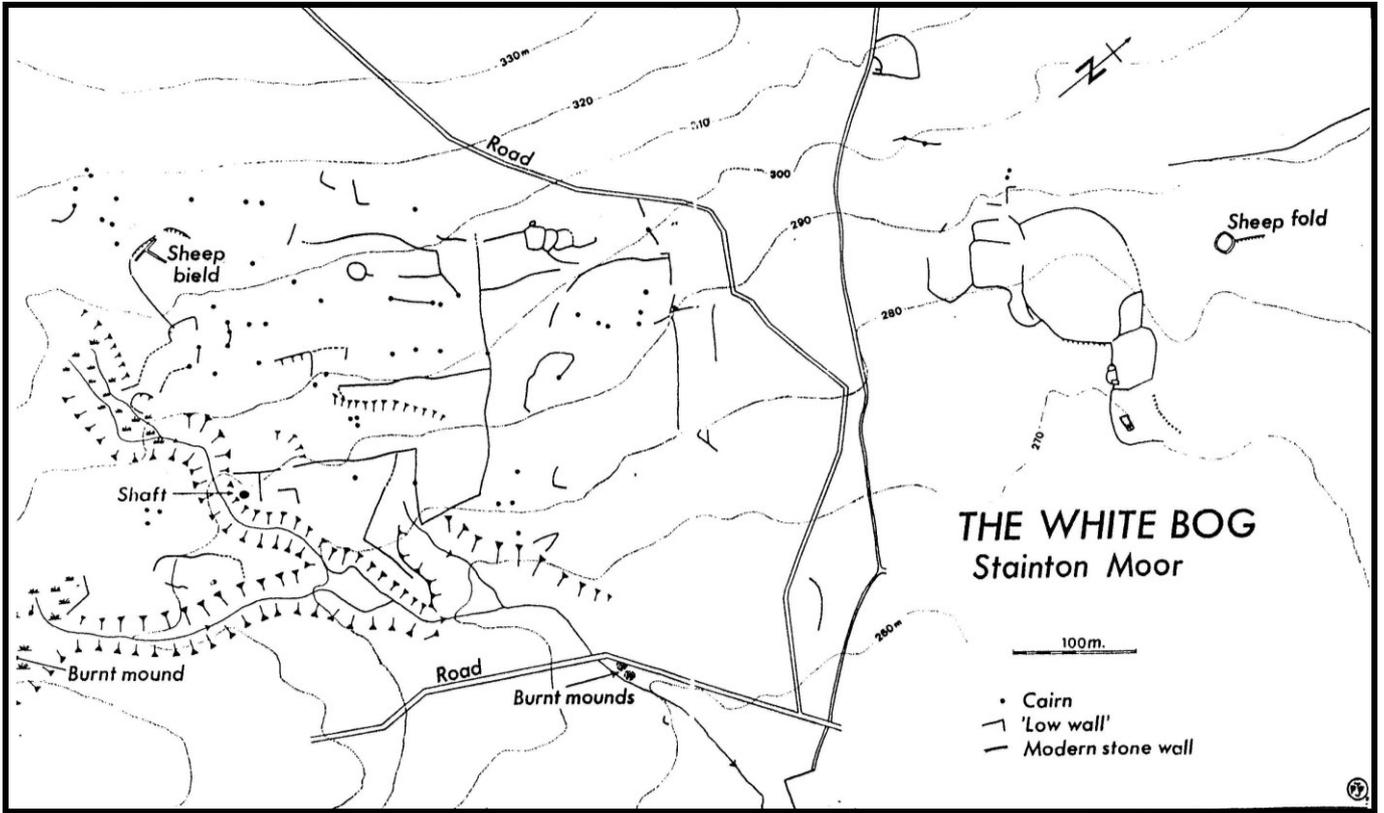


Figure 3 Stainton Moor. The White Bog. The Swaledale Ancient land Boundaries Project Survey.

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Appendix One - The Gazetteer

The Gazetteer to be read in conjunction with Part One above and specifically, Map 6 Ellerton Moor. Juniper Rigg. Archaeological Features Gazetteer Codes

All recorded features have been assigned within the Gazetteer to one of the following categories:

Definitions - Feature Categories

Small Cairn or clearance heap: Stone cairn not exceeding 4m in diameter or any one dimension.

Large Cairn or clearance heap: Cairn exceeding 4m in diameter and not exceeding 8m any one dimension. Cairns exceeding 8m diameter stated separately.

Ring Cairn: Stone dump, embanked circular enclosure, which is not scooped or otherwise thought likely to be a round house or stock enclosure.

Field bank: Any fragmentary stone bank which is not coaxial.

Coaxial field boundary: Stone bank more or less on a shared common axis, dotted where intermittent. Isolated visible fragments should also be considered as further evidence when on this shared axis and otherwise entirely masked below heather or peat.

Field Boundary: Any other stone bank which is not on a common axis or part of an enclosure. Including banks which may be transverse boundaries between coaxials.

Enclosure: Stone banked enclosures which may be round house enclosures or animal pens.

In the table below: Cairns marked with asterisk *, are on point of a false crested view-point location, alignment, semblance of structure or other consideration - may contain burials.

Map Reference	Photo Image Reference	Description	Burnt Area Details
F1	F1.1-2	C1 Zone 4. Western slope. Small cairn. Circular Stone setting at large boulder. Possible Burial. At western limit of the cairnfield.	Revealed in part by burn
F2	F2.1-2	FB1. Coaxial field bank at edge of scarp	In lightly burnt area
F3	F3.1-2	FB2. Coaxial field bank. Extension of FB1 down slope towards the limit of enclosed pastures. May continue into the pastures, check.	In lightly burnt area
F4	F4.1-4	C2 Zone 1 Top of scarp slope at view point. I cairn circular and well-constructed. Part only revealed in localised heavy burn. Possible burial.	Localised heavy burn.
F5	F5.1-3	FB3 Indistinct clearance bank at first aligned with and close to edge of scarp then turning to align on the Ellerton Cairn.	Large area of localised heavy burn.
		C3 Not used	

F6	F6.1-3	C4* Zone 1. Edge of scarp. Medium cairn. Circular. Low and undisturbed. Possible burial. Completely revealed by burning. Close to the Ellerton Cairn. Chert flake found nearby.	Large area of localised heavy burn.
F7	F7.1	C5 Small cairn. Clearance to an earth-fast boulder. Close to the Ellerton Cairn.	Large area of localised heavy burn.
F8	No photos	C6 Remnant of a larger cairn. Possibly robbed away for nearby Ellerton Cairn.	Large area of localised heavy burn.
F9	F9.1-6	C7* The Ellerton Cairn. Very large cairn with radial banks projecting from the perimeter. At edge of scarp with views through Arkengarthdale to the Pass of Stainmore and the Eden Fells. Disturbed by recent shelter	Large area of localised heavy burn.
F10	F10.1-3	FB4 Indistinct Coaxial field bank. Extends from edge of the scarp to the east of the Ellerton Cairn for a distance of 129m. Shrouded in peat and burnt heather.	Area of burned heather with small areas of locally heavy burning.
F11	F11.1-2	FB5 Fragment of a transverse field boundary. Shrouded under peat.	Area of burned heather with small areas of locally heavy burning.
F12	F12.1-3	C8 Small cairn, possibly rectangular. Stone heavily burnt by recent fire..	Area of burned heather with small areas of locally heavy burning.
F13	No photograph	C9 Stone clearance shrouded in peat.	Area of burned heather with small areas of locally heavy burning.
F14	No photograph	C10 Small cairn shrouded in peat.	Area of burned heather with small areas of locally heavy burning.
F15	No photograph	C11 Small cairn shrouded in peat.	Burned area of heather with small areas of locally heavy burning.
F16	No photograph	C12 Small cairn shrouded in peat.	Burned area of heather with small areas of locally heavy

			burning.
F17	F17.1	C13* Medium cairn revealed by heavy burning. 10m west of Coaxial FB 18. Zone 1. Close to edge of Scarp. Possible burial.	Burned area of heather with small areas of locally heavy burning.
F18	F18.1-11	Coaxial Field Boundary. Very prominent where peat burnt off. Extends from edge of the scarp some xx m to the east of the Ellerton Cairn for a distance of 167m. Extensive damage to stones by fire, see photos.	Burned area of heather with small areas of locally heavy burning.
F19	F19.1-7	E1. Stone embanked curvilinear enclosure with funnelled entrance to the NE. On slope and possibly levelled as a platform for a round house. Dimensions 23.8m * 25.9m overall. Note contrast in vegetation.	Unburned area. The enclosure bank hard to see on photos as it is shrouded by moss, peat and bracken.
F20	F20.1-3	FB6 Short length of bank on east side of F5 to form a track or driveway.	Severely burned area.
F21	F21.1-3	FB7 Section through a substantial field bank revealed by the severe burn at the point where the field ban has been quarried away in antiquity. Further west this bank is just visible as a slightly concentrated spread of stone and seems to have continued westward on the scarp edge.	At edge of severely burnt area.
F22	F22.1-2	FB8 Coaxial fragment revealed by burning of heather, turns at right angle at edge of scarp.	Burned Area
F23	F23.1	FB9 Coaxial boundary and small cairn C14 revealed by burning.	Burned Area
F24	F24.1-2	C14 Small cairn. The outline of a small circular stone cairn shrouded under thin peat is revealed after heather burning.	Burned Area
F25	F25.1-5	C15 Complex cairn structure or possible ring cairn. Shrouded below peat.	Near edge of Burned Area on scarp slope.
F26	No photo	C16 Medium cairn shrouded in peat.	Burned Area on scarp slope.
F27	F27.1-4	RC1 Ring Cairn. 8m diameter, approximately, outline of circular stone enclosure visible shrouded below peat.	In burned area on scarp slope.
F28	F28.1	C17 Small cairn shrouded below peat.	At edge of burned area on scarp slope.
F29	F29.1	C18 Small circular cairn shrouded below peat.	In burned area.

F30	F30.1	C19 Medium cairn shrouded below peat.	In burned area.
F31	F31.1	C20 Remnant of a larger cairn.	In burned area at top of slope.
F32	F32.1	C21 Small cairn with attached small stone platform	In burned area.
F33	F33.1-2	C22 Complex cairn structure 7m *5m overall comprising small cairn with rectangular extension enclosing two small open areas.	In burned area.
F34	F34.1	C23 Medium cairn shrouded below peat.	Edge of burned area.
F35	No photo	C24 Small cairn close to field bank?	Edge of burned area
F36	F36.1	C25 Small cairn	Edge of burned area.
F37	F37.1	C26 Medium cairn or possible enclosure bank	Edge of burned area
F38	F38.1	C27 Medium cairn or part of the enclosing bank to a possible scooped round house.	At edge of burned area
F39	F39.1-3	C28 Medium cairn at edge revealed by severe burning.	At edge of burned area
F40	F40.1	C29 Part of a larger cairn revealed by severe burning.	In burned area.
F41	F41.1-3	C30 Large cairn, lowest of three aligned cairns, part revealed by severe burning.	At edge of severely burned area
F42	F42.1-2	C31 Large cairn reduced by quarrying with wide spread of cairn material revealed by heavy burning.	In severely burned area.
F43	F43.1	FB10. Partly covered with heather and peat. The image shown appears to be a large cairn located at one end of the field bank FB10.	At edge of severely burned area
F44	F44.1	C32 Small cairn with FB10	At edge of severely burned area
F45	F45.1	C33 Large cairn part revealed by severe burning.	In burned area.
F46	F46.1	C34 Large cairn part revealed by severe burning.	In burned area
F47	F47.1-3	C35 Large cairn with surrounding large spread of cairn material revealed by heavy burning. Central of three aligned large cairns.	In severely burned area.
F48	F48.1-2	C36 Large cairn. Uppermost and most westerly of three aligned large cairns.	In severely burned area.
F49	F49.1*	C37 Large cairn on line of Coaxial FB 11, part revealed by severe burning.	In severely burned area.
F50	F50.1*-2	C38 RC2 Ring Cairn tangential to Coaxial FB F52	In severely burned area.
F51	F51.1-2	Small platform 2m*2m originally peat covered but revealed by burn.	In severely burned area.
F52	F52.1-2	Coaxial FB11 well defined by substantial stone bank across the whole of the burnt area but intermittent with some gaps.	In severely burned area.
F53	No photo	C39 Located at scarp. In heather	At edge of severely burned area.

F54	F54.1-2	FB12 Transverse field bank, very substantial. In two staggered sections, with central gap occupied by two cairns. F54 is the more easterly section. Both sections are substantial banks of clearance stones 2.5m wide. The two cairns in the entrance gap between F54 and F57, are C41, F55 and C42, F56.	At edge of severely burned area.
F55	F55.1-3	C40 Elongated stone mound within the gap between the staggered field banks F54 and F57	
F56	F56.1-2	C41 Circular cairn within the gap between the staggered field banks F54 and F57	
F57	F57.1-6	FB12 Transverse field bank, very substantial. In two staggered sections, with central gap occupied by two cairns. F54 is the more easterly section. Both sections are substantial banks of clearance stones 2.5m wide. The two cairns in the entrance gap between F54 and F57, are C41, F55 and C42, F56.	
F58	F58.1-2	C42 Small isolated cairn, possibly marking the terminus of F57, FB12.	

Appendix Two - Feature GPS British National Grid Coordinates and Altitudes

Gazetteer / Map							
ProMark 120 GPS Rinex processed data. Including plot co-ordinates OSGB (England) 1936, and height in metres, with co-ordinate horizontal and height confidence values in metres.							
Feature Code	Name	Description	BNG 6 digit East	BNG 6 digit North	Ortho height (m)	Survey Horizontal Confidence (m)	Survey Height Confidence (m)
	354		407458.946	495742.797	370.616	173.241	98.000
Rinex Station	RICM	RICM	417203.980	501973.460	230.181	34.648	19.600
	1	car park	407459.677	495741.947	364.623	0.188	0.172
	2	car park	407459.680	495741.940	364.616	0.232	0.224
F1	3	c1	407057.665	496127.750	360.568	0.174	0.116
F1	4	c1	407056.889	496128.435	360.337	0.162	0.109
F1	5	c1	407057.050	496129.302	360.215	0.159	0.125
F1	6	c1	407057.459	496129.626	361.337	0.143	0.120
F1	7	c1	407058.125	496129.112	361.418	0.153	0.122
F1	8	c1	407058.298	496127.937	361.530	0.157	0.124
F1	9	c1	407057.476	496127.978	361.514	0.165	0.120
F2	10	fb1	406995.195	496151.419	356.086	0.164	0.134
F2	11	fb1	406995.220	496156.718	355.244	0.166	0.133
F2	12	fb1	406995.423	496164.084	354.330	0.150	0.110
F2	13	fb1	406994.321	496168.999	353.865	0.190	0.154
F3	14	fb2	406995.387	496183.197	349.664	0.215	0.158
F3	15	fb2	406996.242	496186.776	348.596	0.217	0.161
F3	16	fb2	406997.016	496190.964	347.158	0.223	0.168
F3	17	fb2	406996.646	496197.931	345.055	0.210	0.156
F3	18	fb2	406996.200	496204.929	342.806	0.207	0.154
F4	19	c2	407034.024	496168.151	354.604	0.151	0.115
F4	20	c2	407035.316	496168.731	354.609	0.150	0.115
F4	21	c2	407035.330	496170.886	354.387	0.148	0.123
F4	22	c2	407034.682	496171.870	354.269	0.163	0.147
F4	23	c2	407033.633	496172.704	354.011	0.147	0.120
F4	24	c2	407032.897	496172.525	353.884	0.145	0.118
F4	25	c2	407032.374	496171.770	353.987	0.151	0.128
F4	26	c2	407032.350	496170.620	354.082	0.228	0.238
F4	27	c2	407033.190	496169.841	354.246	0.245	0.256
F4	28	c2	407033.102	496168.677	354.446	0.142	0.115
F5	29	fb3	407008.033	496134.503	357.829	0.060	0.056
F5	30	fb3	407016.798	496141.654	357.109	0.053	0.045
F5	31	fb3	407026.084	496147.616	357.032	0.053	0.045
F5	32	fb3	407034.192	496151.278	357.384	0.054	0.045
F5	33	fb3	407043.216	496154.051	357.517	0.053	0.046
F5	34	fb3	407055.939	496158.667	358.132	0.053	0.045
F5	35	fb3	407062.155	496161.305	358.388	0.055	0.048
F5	36	fb3	407071.363	496163.082	358.992	0.068	0.065
F5	37	fb3	407086.998	496162.637	360.388	0.057	0.050
F5	38	fb3	407100.254	496161.342	361.366	0.056	0.048
F6	39	c4	407115.375	496183.778	360.053	0.055	0.055

F6	40	c4	407116.438	496184.974	359.918	0.054	0.053
F6	41	c4	407116.466	496186.149	359.723	0.051	0.048
F6	42	c4	407116.040	496187.533	359.429	0.148	0.131
F6	43	c4	407114.625	496188.346	359.108	0.052	0.048
F6	44	c4	407113.861	496187.543	359.230	0.053	0.047
F6	45	c4	407112.933	496186.392	359.226	0.065	0.062
F6	46	c4	407112.803	496184.722	359.653	0.054	0.050
F6	47	c4	407113.998	496183.649	359.854	0.053	0.047
F6	48	c4	407115.139	496183.747	359.871	0.051	0.043
F7	49	c5	407115.387	496162.669	361.722	0.154	0.133
F7	50	c5	407114.998	496161.394	361.785	0.151	0.120
F7	51	c5	407115.995	496160.790	361.896	0.152	0.118
F7	52	c5	407116.970	496161.007	361.857	0.152	0.124
F7	53	c5	407117.164	496162.054	361.772	0.148	0.121
F7	54	c5	407116.373	496162.911	361.597	0.147	0.119
F8	55	c6	407127.674	496157.861	362.247	0.152	0.141
F8	56	c6	407126.877	496158.586	362.144	0.162	0.156
F8	57	c6	407125.892	496159.269	362.244	0.160	0.164
F8	58	c6	407124.876	496158.696	362.107	0.151	0.147
F8	59	c6	407125.698	496157.582	362.105	0.153	0.138
F8	60	c6	407126.556	496157.428	362.527	0.155	0.116
F8	61	c6	407127.220	496157.428	362.306	0.155	0.135
F8	62	c6	407136.403	496154.152	363.765	0.188	0.181
F9	63	c7	407134.631	496154.252	363.604	0.142	0.122
F9	64	c7	407132.584	496153.245	363.735	0.144	0.123
F9	65	c7	407130.788	496150.889	363.660	0.142	0.123
F9	66	c7	407130.218	496148.815	363.762	0.145	0.124
F9	67	c7	407130.302	496148.287	363.828	0.143	0.123
F9	68	c7	407129.038	496147.019	363.753	0.146	0.126
F9	69	c7	407128.511	496145.970	363.761	0.163	0.144
F9	70	c7	407129.807	496144.962	363.825	0.154	0.128
F9	71	c7	407131.238	496146.349	364.095	0.151	0.123
F9	72	c7	407132.773	496145.139	364.119	0.149	0.127
F9	73	c7	407132.607	496143.149	364.127	0.147	0.128
F9	74	c7	407134.262	496143.017	364.158	0.147	0.120
F9	75	c7	407136.098	496144.116	364.349	0.146	0.118
F9	76	c7	407134.616	496144.607	364.421	0.147	0.124
F9	77	c7	407136.123	496144.031	364.375	0.147	0.120
F9	78	c7	407136.931	496142.443	364.154	0.147	0.126
F9	79	c7	407138.163	496142.884	363.913	0.153	0.132
F9	80	c7	407137.685	496144.799	364.094	0.150	0.140
F9	81	c7	407139.085	496145.160	364.039	0.146	0.131
F9	82	c7	407140.352	496146.327	363.917	0.143	0.132
F9	83	c7	407140.856	496148.400	363.922	0.149	0.142
F9	84	c7	407139.673	496149.564	364.098	0.144	0.132
F9	85	c7	407139.186	496151.450	363.811	0.141	0.127
F9	86	c7	407138.088	496153.190	363.771	0.152	0.135
F9	87	c7	407139.322	496150.962	363.899	0.055	0.057
F9	88	c7	407141.033	496151.926	363.645	0.053	0.051

F9	89	c7	407139.559	496153.708	363.669	0.058	0.057
F9	90	c7	407137.727	496154.502	363.637	0.053	0.048
F9	91	c7	407135.616	496154.543	363.555	0.050	0.045
F10	92	fb4	407200.510	496201.250	357.680	0.051	0.049
F10	93	fb4	407195.947	496196.801	358.657	0.052	0.050
F10	94	fb4	407191.372	496190.691	359.731	0.058	0.058
F10	95	fb4	407185.888	496181.746	361.361	0.057	0.055
F10	96	fb4	407184.192	496181.569	361.392	0.060	0.060
F10	97	fb4	407185.069	496179.042	361.940	0.087	0.087
F10	98	fb4	407184.005	496180.351	361.684	0.049	0.045
F10	99	fb4	407184.272	496178.822	361.920	0.053	0.047
F10	100	fb4	407185.907	496179.360	361.881	0.051	0.044
F10	101	fb4	407186.846	496180.589	361.586	0.052	0.047
F10	102	fb4	407183.645	496177.984	361.979	0.049	0.049
F10	103	fb4	407181.357	496171.790	362.711	0.048	0.046
F10	104	fb4	407179.926	496162.846	363.707	0.048	0.048
F10	105	fb4	407179.674	496153.165	364.340	0.047	0.047
F10	106	fb4	407179.263	496146.896	364.694	0.051	0.052
F10	107	fb4	407178.181	496136.223	365.311	0.054	0.055
F10	108	fb4	407176.442	496117.217	366.972	0.146	0.130
F10	109	fb4	407166.489	496097.374	367.674	0.138	0.125
F10	110	fb4	407157.196	496078.740	367.472	0.145	0.142
F10	111	fb4	407153.214	496069.066	367.750	0.135	0.129
F10	112	fb4	407147.662	496056.056	368.053	0.152	0.132
F11	113	fb13	407176.436	496049.581	366.406	0.258	0.286
F11	114	fb13	407173.714	496052.448	366.422	0.288	0.327
F11	115	fb13	407170.784	496053.639	366.369	0.270	0.303
F11	116	fb13	407167.604	496053.838	366.376	0.270	0.302
F12	117	c8	407179.319	496060.974	366.746	0.232	0.240
F12	118	c8	407180.362	496059.753	366.725	0.232	0.239
F12	119	c8	407181.350	496060.492	366.848	0.247	0.257
F12	120	c8	407180.695	496062.531	366.867	0.231	0.238
F12	121	c8	407179.257	496063.377	366.900	0.244	0.254
F12	122	c8	407178.512	496062.704	366.827	0.230	0.238
F12	123	c8	407178.898	496061.252	366.840	0.221	0.227
F13	124	c9	407177.064	496104.058	366.267	0.140	0.131
F13	125	c9	407176.639	496102.563	366.380	0.154	0.155
F13	126	c9	407177.947	496101.882	366.538	0.237	0.247
F13	127	c9	407178.517	496103.184	366.522	0.237	0.245
F13	128	c9	407177.607	496105.107	366.350	0.238	0.245
F14	129	c10	407176.850	496110.866	366.257	0.235	0.244
F14	130	c10	407177.877	496111.513	366.140	0.237	0.244
F14	131	c10	407177.911	496111.645	366.113	0.234	0.242
F14	132	c10	407176.836	496112.392	366.145	0.232	0.241
F14	133	c10	407176.289	496111.522	366.156	0.232	0.240
F15	134	c11	407190.036	496094.794	367.730	0.204	0.201
F15	135	c11	407189.659	496093.543	367.898	0.238	0.241
F15	136	c11	407190.953	496093.253	367.762	0.216	0.212
F15	137	c11	407192.098	496094.403	367.577	0.239	0.240

F15	138	c11	407190.977	496095.365	367.618	0.224	0.223
F16	139	c12	407204.605	496119.316	366.565	0.238	0.239
F16	140	c12	407205.995	496120.271	366.535	0.242	0.242
F16	141	c12	407206.581	496121.463	366.555	0.240	0.241
F16	142	c12	407205.568	496122.455	366.500	0.238	0.239
F16	143	c12	407203.966	496121.936	366.654	0.238	0.239
F16	144	c12	407202.646	496120.678	366.743	0.238	0.239
F17	145	c13	407206.268	496154.303	364.455	0.237	0.237
F17	146	c13	407208.207	496155.017	364.369	0.239	0.238
F17	147	c13	407208.857	496157.171	364.290	0.240	0.238
F17	148	c13	407208.047	496158.504	364.156	0.236	0.234
F17	149	c13	407206.528	496158.971	364.167	0.236	0.234
F17	150	c13	407204.489	496158.651	364.241	0.235	0.235
F17	151	c13	407203.707	496156.729	364.362	0.235	0.234
F17	152	c13	407203.804	496155.113	364.501	0.234	0.234
F18	153	fb5	407212.663	496198.811	357.306	0.212	0.179
F18	154	fb5	407213.694	496190.976	358.737	0.219	0.182
F18	155	fb5	407214.288	496182.032	360.530	0.219	0.182
F18	156	fb5	407215.807	496171.366	361.945	0.231	0.192
F18	157	fb5	407215.589	496160.808	363.073	0.220	0.182
F18	158	fb5	407215.328	496147.628	363.876	0.229	0.194
F18	159	fb5	407213.494	496136.479	364.677	0.229	0.195
F18	160	fb5	407211.576	496122.777	365.692	0.227	0.197
F18	161	fb5	407209.726	496109.508	366.636	0.226	0.194
F18	162	fb5	407208.330	496095.576	367.606	0.214	0.183
F18	163	fb5	407206.469	496083.929	367.955	0.224	0.192
F18	465	fb5	407206.262	496078.027	368.536	0.295	0.269
F18	466	fb5	407203.575	496064.204	368.813	0.293	0.272
F18	467	fb5	407201.843	496055.416	368.570	0.291	0.271
F18	468	fb5	407198.257	496042.535	368.652	0.271	0.253
F18	469	fb5	407195.702	496034.382	368.931	0.289	0.272
F19	164	e1	407252.949	496108.669	365.796	0.048	0.045
F19	165	e1	407250.436	496109.219	365.983	0.046	0.044
F19	166	e1	407245.426	496104.320	366.608	0.048	0.046
F19	167	e1	407240.548	496099.172	367.270	0.047	0.045
F19	168	e1	407237.985	496095.000	367.606	0.046	0.045
F19	169	e1	407237.500	496090.503	367.757	0.051	0.053
F19	170	e1	407239.166	496087.176	367.827	0.048	0.046
F19	171	e1	407243.380	496085.056	367.792	0.046	0.042
F19	172	e1	407248.182	496086.199	367.698	0.048	0.043
F19	173	e1	407252.626	496087.573	367.565	0.048	0.043
F19	174	e1	407257.129	496089.774	367.289	0.048	0.043
F19	175	e1	407260.040	496090.779	367.205	0.054	0.051
F19	176	e1	407261.257	496092.591	367.005	0.050	0.043
F19	177	e1	407261.782	496095.605	366.729	0.063	0.051
F19	178	e1	407261.205	496099.468	366.363	0.059	0.052
F19	179	e1	407259.248	496102.822	366.161	0.049	0.043
F19	180	e1	407258.221	496106.217	365.922	0.051	0.046
F19	181	e1	407256.747	496107.031	365.790	0.061	0.061

F19	182	e2	407254.480	496104.579	366.193	0.075	0.078
F19	183	e2	407254.438	496104.605	366.209	0.052	0.050
F19	184	e2	407250.985	496104.449	366.405	0.064	0.064
F19	185	e2	407248.339	496102.239	366.715	0.049	0.046
F19	186	e2	407245.822	496099.625	367.102	0.047	0.045
F19	187	e2	407243.547	496097.164	367.363	0.047	0.044
F19	188	e2	407242.310	496094.597	367.564	0.046	0.045
F19	189	e2	407243.252	496091.769	367.647	0.057	0.060
F19	190	e2	407246.229	496090.069	367.662	0.049	0.047
F19	191	e2	407249.221	496090.112	367.576	0.048	0.044
F19	192	e2	407251.799	496091.591	367.435	0.048	0.043
F19	193	e2	407254.307	496092.971	367.262	0.047	0.041
F19	194	e2	407256.836	496093.805	367.030	0.054	0.051
F19	195	e2	407257.374	496094.777	366.986	0.050	0.040
F19	196	e2	407257.441	496097.396	366.761	0.061	0.054
F19	197	e2	407257.387	496099.837	366.485	0.058	0.049
F19	198	e2	407256.745	496101.784	366.323	0.062	0.055
F20	199	f6	407221.828	496159.009	364.354	0.224	0.262
F20	200	f6	407221.559	496165.437	363.886	0.258	0.313
F20	201	f6	407220.807	496171.773	363.126	0.256	0.311
F20	202	f6	407219.510	496180.699	361.911	0.241	0.288
F20	203	f6	407218.526	496188.644	360.527	0.241	0.287
F21	204	f7	407256.690	496174.468	360.491	0.299	0.370
F21	205	f7	407263.508	496174.705	360.528	0.299	0.369
F22	206	f8	407351.347	496188.250	355.459	0.283	0.341
F22	207	f8	407352.464	496196.444	353.912	0.149	0.112
F22	208	f8	407353.340	496203.695	352.232	0.169	0.142
F22	209	f8	407354.199	496209.931	351.013	0.158	0.138
F22	210	f8	407359.173	496207.223	351.502	0.277	0.338
F22	211	f8	407364.985	496205.681	351.725	0.295	0.368
F22	212	f8	407366.528	496209.693	350.818	0.262	0.318
F23	213	fb9	407409.897	496233.770	346.658	0.249	0.312
F23	214	fb9	407409.737	496224.605	348.795	0.249	0.310
F23	215	fb9	407409.433	496213.124	349.893	0.242	0.247
F24	216	c14	407401.154	496223.909	348.402	0.213	0.221
F24	217	c14	407402.962	496221.577	348.694	0.220	0.230
F24	218	c14	407404.551	496222.746	348.591	0.230	0.242
F24	219	c14	407405.125	496224.837	348.165	0.245	0.258
F24	220	c14	407403.618	496226.441	347.782	0.135	0.124
F24	221	c14	407401.487	496224.629	347.942	0.243	0.252
F25	222	c15	407420.584	496235.901	344.949	0.136	0.118
F25	223	c15	407423.804	496236.674	344.672	0.230	0.234
F25	224	c15	407424.813	496238.868	344.072	0.231	0.235
F25	225	c15	407423.662	496241.024	343.737	0.244	0.252
F25	226	c15	407421.837	496242.252	343.664	0.230	0.236
F25	227	c15	407419.138	496241.580	343.761	0.229	0.235
F25	228	c15	407418.222	496239.447	344.246	0.229	0.235
F25	229	c15	407418.789	496237.863	344.496	0.242	0.250
F26	230	c16	407444.821	496247.906	343.438	0.249	0.319

F26	231	c16	407442.825	496246.644	343.807	0.265	0.346
F26	232	c16	407443.022	496245.259	344.089	0.249	0.320
F26	233	c16	407444.724	496245.081	344.129	0.265	0.346
F26	234	c16	407446.153	496246.482	343.888	0.171	0.154
F26	235	c16	407445.616	496247.990	343.421	0.249	0.319
F27	236	rc1	407455.131	496215.598	347.412	0.135	0.122
F27	237	rc1	407455.115	496215.576	347.374	0.132	0.120
F27	238	rc1	407452.606	496216.709	347.463	0.134	0.124
F27	239	rc1	407450.522	496216.491	347.533	0.265	0.301
F27	240	rc1	407447.920	496215.437	347.826	0.264	0.299
F27	241	rc1	407447.675	496213.344	348.274	0.265	0.298
F27	242	rc1	407449.467	496211.569	348.568	0.139	0.122
F27	243	rc1	407452.022	496210.922	348.549	0.136	0.118
F27	244	rc1	407453.974	496212.269	348.235	0.150	0.126
F27	245	rc1	407455.026	496214.330	347.855	0.249	0.269
F28	246	c17	407432.829	496177.108	351.668	0.235	0.263
F28	247	c17	407434.651	496176.389	352.121	0.263	0.305
F28	248	c17	407436.056	496176.124	351.872	0.264	0.308
F28	249	c17	407436.097	496177.452	351.755	0.262	0.306
F28	250	c17	407434.692	496178.346	351.681	0.248	0.279
F28	251	c17	407435.578	496179.534	351.402	0.247	0.271
F28	252	c17	407433.412	496180.766	351.421	0.247	0.268
F28	253	c17	407432.469	496179.264	351.675	0.324	0.364
F29	254	c18	407387.527	496184.438	355.558	0.239	0.275
F29	255	c18	407387.678	496186.630	355.266	0.254	0.295
F29	256	c18	407387.089	496188.211	355.005	0.253	0.294
F29	257	c18	407385.543	496188.313	354.869	0.253	0.295
F29	258	c18	407383.707	496186.638	355.381	0.238	0.273
F29	259	c18	407384.274	496184.881	355.693	0.238	0.273
F29	260	c18	407386.168	496183.421	355.658	0.253	0.292
F30	261	c19	407395.439	496166.174	356.619	0.219	0.191
F30	262	c19	407393.299	496167.301	356.679	0.231	0.203
F30	263	c19	407390.956	496166.406	356.789	0.231	0.200
F30	264	c19	407392.400	496163.656	357.093	0.138	0.119
F30	265	c19	407394.681	496162.457	357.040	0.137	0.120
F30	266	c19	407397.148	496163.526	356.735	0.147	0.122
F31	267	c20	407412.329	496162.659	355.823	0.188	0.160
F31	268	c20	407414.828	496162.402	355.640	0.185	0.157
F31	269	c20	407416.335	496161.007	355.656	0.188	0.159
F31	270	c20	407415.623	496157.826	356.007	0.188	0.160
F31	271	c20	407414.808	496157.753	356.102	0.193	0.165
F31	272	c20	407413.857	496159.173	356.120	0.197	0.167
F31	273	c20	407412.493	496160.201	356.085	0.189	0.160
F31	274	c20	407411.653	496161.567	356.021	0.203	0.174
F32	275	c21	407460.442	496139.830	352.997	0.239	0.218
F32	276	c21	407461.662	496140.868	352.819	0.148	0.130
F32	277	c21	407462.535	496141.381	352.610	0.228	0.206
F32	278	c21	407464.773	496140.686	352.475	0.141	0.124
F32	279	c21	407465.060	496139.651	352.352	0.140	0.122

F32	280	c21	407463.689	496138.786	352.508	0.229	0.210
F32	281	c21	407461.730	496138.034	352.678	0.244	0.227
F32	282	c21	407460.689	496138.092	352.737	0.141	0.120
F33	283	c22	407464.989	496146.502	352.096	0.244	0.228
F33	284	c22	407468.407	496145.616	351.853	0.229	0.211
F33	285	c22	407472.328	496145.437	351.476	0.146	0.116
F33	286	c22	407472.481	496147.098	351.291	0.243	0.224
F33	287	c22	407471.694	496149.172	351.174	0.230	0.210
F33	288	c22	407470.590	496151.044	351.124	0.137	0.123
F33	289	c22	407468.074	496151.156	351.257	0.138	0.124
F33	290	c22	407465.537	496149.784	351.573	0.229	0.209
F33	291	c22	407464.601	496148.306	351.879	0.241	0.220
F34	292	c23	407428.633	496137.693	356.779	0.228	0.225
F34	293	c23	407426.284	496136.753	357.021	0.225	0.221
F34	294	c23	407425.656	496133.494	356.990	0.223	0.218
F34	295	c23	407427.286	496131.879	356.810	0.224	0.219
F34	296	c23	407429.349	496132.122	356.565	0.223	0.218
F34	297	c23	407430.730	496134.423	356.404	0.223	0.219
F34	298	c23	407430.782	496136.316	356.325	0.225	0.221
F35	299	c24	407411.272	496125.359	358.333	0.213	0.206
F35	300	c24	407409.038	496126.366	358.540	0.224	0.217
F35	301	c24	407408.031	496124.272	358.933	0.226	0.220
F35	302	c24	407408.987	496122.595	358.942	0.213	0.205
F35	303	c24	407410.685	496122.855	358.751	0.205	0.196
F36	304	c25	407411.034	496110.202	358.799	0.225	0.218
F36	305	c25	407409.717	496109.193	358.985	0.212	0.203
F36	306	c25	407410.595	496108.010	358.856	0.214	0.206
F36	307	c25	407411.963	496108.275	358.664	0.213	0.203
F36	308	c25	407411.937	496109.925	358.477	0.229	0.218
F37	309	c26	407422.634	496109.847	356.663	0.206	0.210
F37	310	c26	407423.216	496107.360	356.726	0.227	0.235
F37	311	c26	407425.156	496106.976	356.406	0.215	0.219
F37	312	c26	407426.931	496108.121	356.249	0.226	0.233
F37	313	c26	407426.417	496110.513	356.270	0.227	0.235
F37	314	c26	407423.303	496110.922	356.611	0.226	0.235
F38	315	c27	407430.493	496100.524	355.907	0.214	0.221
F38	316	c27	407428.539	496099.431	356.237	0.225	0.233
F38	317	c27	407428.629	496097.230	356.362	0.213	0.218
F38	318	c27	407430.298	496096.281	356.097	0.226	0.233
F38	319	c27	407432.617	496097.010	355.795	0.213	0.218
F38	320	c27	407434.381	496098.205	355.502	0.224	0.231
F38	321	c27	407435.001	496099.937	355.512	0.228	0.234
F38	322	c27	407432.184	496101.140	355.733	0.226	0.233
F39	323	c28	407409.502	496087.236	358.157	0.136	0.128
F39	324	c28	407406.637	496086.955	358.352	0.134	0.126
F39	325	c28	407405.461	496084.587	358.615	0.135	0.126
F39	326	c28	407406.643	496082.294	358.779	0.149	0.142
F39	327	c28	407408.782	496081.438	358.636	0.144	0.128
F39	328	c28	407411.311	496081.771	358.430	0.143	0.117

F39	329	c28	407411.849	496083.912	358.235	0.144	0.117
F39	330	c28	407411.501	496086.101	358.049	0.141	0.138
F40	331	c29	407386.771	496089.946	359.528	0.145	0.117
F40	332	c29	407385.191	496089.966	359.621	0.147	0.119
F40	333	c29	407384.742	496091.065	359.648	0.148	0.130
F40	334	c29	407386.090	496092.271	359.461	0.138	0.125
F40	335	c29	407387.073	496091.731	359.254	0.148	0.147
F41	336	c30	407377.496	496109.221	360.261	0.143	0.131
F41	337	c30	407378.837	496111.644	360.165	0.138	0.125
F41	338	c30	407378.955	496114.274	360.024	0.137	0.135
F41	339	c30	407375.524	496115.382	360.275	0.053	0.055
F41	340	c30	407373.173	496113.656	360.477	0.067	0.076
F41	341	c30	407373.727	496111.103	360.451	0.049	0.044
F41	342	c30	407374.931	496109.858	360.398	0.074	0.073
F42	343	c31	407341.914	496151.305	359.860	0.149	0.120
F42	344	c31	407340.683	496154.859	359.768	0.160	0.134
F42	345	c31	407338.274	496157.801	359.799	0.141	0.127
F42	346	c31	407334.996	496159.896	359.871	0.149	0.142
F42	347	c31	407332.472	496158.674	360.055	0.141	0.136
F42	348	c31	407333.390	496155.590	360.374	0.138	0.132
F42	349	c31	407335.883	496151.517	360.352	0.136	0.137
F42	350	c31	407339.124	496149.695	360.078	0.150	0.152
F43	351	fb10	407330.297	496136.454	361.267	0.215	0.237
F43	352	fb10	407317.921	496139.838	361.828	0.204	0.222
F43	353	fb10	407307.877	496142.927	362.224	0.218	0.237
F44	354	c32	407318.409	496127.144	362.165	0.205	0.216
F44	355	c32	407317.660	496129.691	362.032	0.217	0.231
F44	356	c32	407315.058	496129.329	362.164	0.143	0.124
F44	357	c32	407314.405	496127.126	362.388	0.147	0.132
F44	358	c32	407315.830	496125.555	362.484	0.142	0.126
F44	359	c32	407317.488	496125.579	362.311	0.145	0.122
F45	360	c33	407321.671	496117.867	363.139	0.201	0.221
F45	361	c33	407324.323	496116.885	363.101	0.215	0.236
F45	362	c33	407324.873	496114.602	363.156	0.202	0.220
F45	363	c33	407323.684	496113.159	363.373	0.202	0.221
F45	364	c33	407321.136	496112.764	363.705	0.203	0.220
F45	365	c33	407319.542	496114.467	363.650	0.203	0.220
F45	366	c33	407319.150	496116.814	363.312	0.216	0.236
F46	367	c34	407333.050	496121.852	362.360	0.219	0.240
F46	368	c34	407335.314	496121.330	362.325	0.204	0.221
F46	369	c34	407338.748	496123.273	361.945	0.203	0.219
F46	370	c34	407336.974	496125.251	361.794	0.218	0.238
F46	371	c34	407334.404	496125.738	361.858	0.203	0.218
F46	372	c34	407332.849	496124.488	362.143	0.203	0.218
F47	373	c35	407337.781	496092.152	364.441	0.141	0.125
F47	374	c35	407334.327	496091.306	364.523	0.142	0.124
F47	375	c35	407333.934	496088.319	364.663	0.140	0.120
F47	376	c35	407335.194	496086.735	364.710	0.145	0.123
F47	377	c35	407337.678	496086.209	364.558	0.149	0.124

F47	378	c35	407340.220	496086.763	364.118	0.159	0.133
F47	379	c35	407342.197	496087.720	364.071	0.159	0.133
F47	380	c35	407342.372	496089.887	363.879	0.163	0.144
F47	381	c35	407340.613	496092.344	363.823	0.162	0.143
F48	382	c36	407320.401	496082.555	365.061	0.153	0.127
F48	383	c36	407316.864	496082.080	365.289	0.152	0.126
F48	384	c36	407314.705	496079.814	365.349	0.162	0.142
F48	385	c36	407315.646	496076.698	365.379	0.160	0.134
F48	386	c36	407318.777	496075.692	365.163	0.164	0.137
F48	387	c36	407322.306	496075.426	364.853	0.155	0.126
F48	388	c36	407325.370	496076.719	364.474	0.165	0.138
F48	389	c36	407325.895	496079.816	364.326	0.168	0.139
F48	390	c36	407323.217	496082.428	364.430	0.166	0.145
F49	391	c37	407307.965	496100.039	364.917	0.151	0.121
F49	392	c37	407310.758	496102.871	364.738	0.163	0.125
F49	393	c37	407310.793	496107.036	364.494	0.160	0.127
F49	394	c37	407306.544	496108.020	364.575	0.157	0.130
F49	395	c37	407301.578	496105.987	364.953	0.148	0.124
F49	396	c37	407300.652	496102.703	364.812	0.152	0.123
F49	397	c37	407303.738	496099.839	364.946	0.157	0.138
F50	398	c38	407299.647	496083.495	366.511	0.157	0.142
F50	399	c38	407299.694	496079.335	366.761	0.143	0.122
F50	400	c38	407295.714	496078.753	366.966	0.188	0.180
F50	401	c38	407292.789	496080.921	367.064	0.163	0.135
F50	402	c38	407293.203	496083.737	366.980	0.149	0.123
F50	403	c38	407296.496	496085.642	366.636	0.276	0.280
F51	404	sp1	407287.683	496050.102	368.217	0.253	0.265
F51	405	sp1	407286.066	496049.375	368.192	0.286	0.301
F51	406	sp1	407286.331	496048.093	368.163	0.287	0.300
F51	407	sp1	407287.460	496047.858	367.993	0.178	0.155
F51	408	sp1	407287.929	496048.292	367.810	0.288	0.300
F51	409	sp1	407287.711	496049.781	367.819	0.288	0.300
F52	410	fb11	407292.269	496022.953	367.485	0.291	0.300
F52	411	fb11	407293.856	496033.235	366.845	0.293	0.299
F52	412	fb11	407295.705	496042.857	366.385	0.292	0.295
F52	413	fb11	407295.834	496052.763	366.428	0.333	0.373
F52	414	fb11	407296.745	496061.009	366.309	0.334	0.373
F52	415	fb11	407297.196	496069.548	366.448	0.161	0.126
F52	416	fb11	407299.012	496079.082	365.878	0.334	0.372
F52	417	fb11	407300.388	496088.701	364.668	0.362	0.372
F52	418	fb11	407302.110	496099.097	366.900	0.161	0.119
F52	419	fb11	407303.125	496106.490	365.532	0.410	0.460
F52	420	fb11	407305.368	496120.587	365.654	0.411	0.452
F52	421	fb11	407307.654	496136.803	364.399	0.157	0.118
F52	422	fb11	407309.968	496149.791	362.563	0.175	0.141
F53	423	c39	407315.384	496180.965	360.548	0.146	0.110
F53	424	c39	407312.960	496181.416	360.721	0.165	0.134
F53	425	c39	407312.785	496183.787	360.197	0.169	0.144
F53	426	c39	407314.292	496185.341	359.823	0.311	0.321

F53	427	c39	407315.911	496185.566	359.642	0.139	0.114
F53	428	c39	407316.750	496182.937	360.046	0.142	0.116
F54	429	fb12	407366.938	496054.741	363.761	0.279	0.302
F54	430	fb12	407362.596	496054.538	363.604	0.295	0.295
F54	431	fb12	407359.011	496055.102	363.850	0.294	0.295
F54	432	fb12	407355.133	496054.786	363.945	0.294	0.295
F54	433	fb12	407349.370	496054.782	364.033	0.372	0.380
F54	434	fb12	407347.056	496054.663	364.373	0.275	0.274
F55	435	c40	407342.215	496054.147	364.446	0.330	0.326
F55	436	c40	407340.027	496054.629	364.520	0.276	0.274
F55	437	c40	407338.217	496054.536	364.572	0.192	0.176
F55	438	c40	407335.941	496053.676	364.673	0.149	0.137
F55	439	c40	407337.779	496051.961	364.595	0.292	0.295
F55	440	c40	407340.750	496051.242	364.533	0.147	0.123
F55	441	c40	407342.791	496052.691	364.280	0.271	0.275
F56	442	c41	407332.035	496050.736	364.041	0.317	0.299
F56	443	c41	407332.064	496052.450	364.064	0.317	0.300
F56	444	c41	407333.465	496052.999	363.897	0.297	0.279
F56	445	c41	407334.197	496051.887	363.702	0.319	0.302
F56	446	c41	407334.064	496050.437	363.840	0.322	0.307
F57	447	fb12	407333.507	496045.002	364.322	0.308	0.337
F57	448	fb12	407327.757	496044.781	364.915	0.332	0.366
F57	449	fb12	407324.423	496044.832	365.145	0.334	0.366
F57	450	fb12	407321.395	496044.509	365.364	0.333	0.365
F57	451	fb12	407314.982	496043.372	366.166	0.351	0.359
F57	452	fb12	407307.610	496041.448	366.312	0.350	0.359
F57	453	fb12	407300.325	496039.803	366.591	0.351	0.361
F57	454	fb12	407294.860	496039.175	366.961	0.351	0.360
F57	455	fb12	407286.179	496037.564	367.204	0.307	0.312
F57	456	fb12	407274.299	496035.488	367.663	0.347	0.356
F57	457	fb12	407266.569	496034.794	368.096	0.352	0.372
F57	464	fb12	407234.467	496043.184	367.141	0.165	0.132
F58	458	c42	407234.397	496044.613	368.025	0.345	0.357
F58	459	c42	407234.395	496047.287	368.068	0.346	0.357
F58	460	c42	407232.390	496048.123	367.894	0.321	0.329
F58	461	c42	407230.620	496046.334	367.995	0.346	0.359
F58	462	c42	407230.900	496045.172	368.108	0.188	0.173
F58	463	c42	407232.825	496044.090	367.196	0.344	0.359

Appendix Two Notes

1. For location of each feature, See Maps 6 and 7, rough topographic locations are:

Zone 1: Scarp Edge. Northern limit of the site and Southern Edge of Swaledale.

Zone 2: Summit of Juniper Rigg between Scarp edge and Sandstone Edge.

Zone 3: East facing slope of the Rigg leading down to Juniper Gill

2. Cairns marked with asterisk *, are- on point of false crested, view point location, alignment, semblance of structure or other consideration- may contain burials.