

REPORT: 224

PROJECT ID: 1805

NORTHLIGHT HERITAGE | Kippen Muir Woodland Creation Scheme

Archaeological Assessment

DATA STRUCTURE REPORT | Kippen Muir, Stirlingshire



Northlight Heritage

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Kippen Muir Woodland Creation Scheme, Stirlingshire

NGR: NS 61104 92181

Archaeological Assessment
on behalf of

JDM Woodland Management

Cover Plate: Looking across the proposed Woodland Creation site

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Date: 08/10/2008

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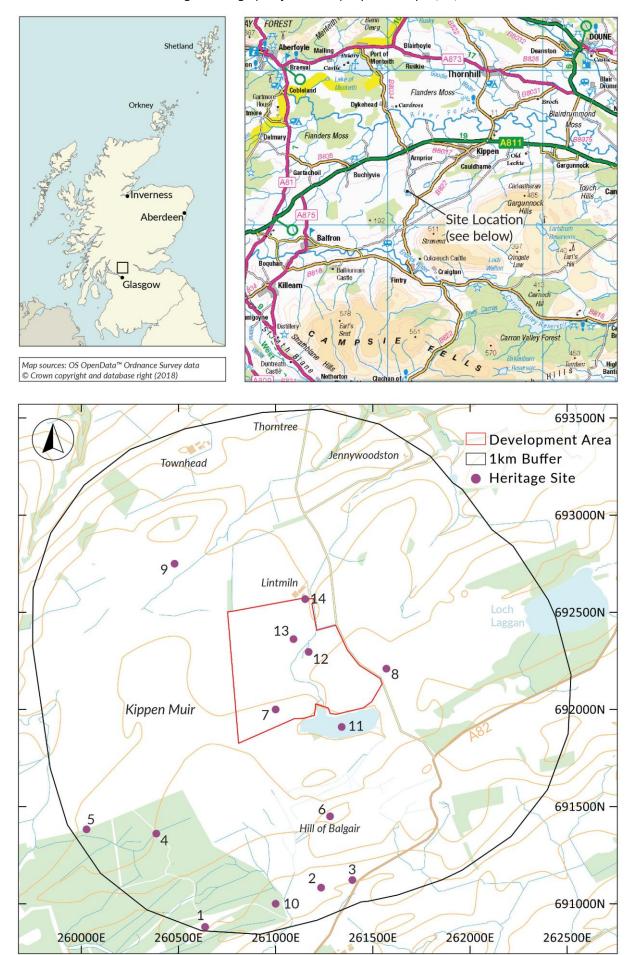


Figure 1: Location of proposed Woodland Creation Scheme and Heritage Sites

Abstract

An archaeological assessment, comprising a desk-based study and walkover survey, was undertaken by Northlight Heritage on behalf of JDM Woodland Management in relation to a proposed woodland creation scheme on Kippen Muir, Stirlingshire. The assessment was conducted during early October 2018 which showed no significant heritage sites were visible on the ground surface within the proposed development area. Sites recorded in the woodland creation scheme area and 1 km surrounding it, in the most part, related to post-medieval activity including, for example, lime kilns, quarries and farmsteads. The exception was a findspot of Roman artefacts although the exact location of their discovery is not known. A dam and associated loch were present just to the south of the proposed woodland creation scheme which appears to have fed a likely Mill located on the current site of Lintmiln. Although the loch was connected to the mill by a waterway which runs through the proposed woodland creation area no sign of any canalisation was noted.

1. Introduction

1.1

This document compiles the results of a desk-based assessment and walkover survey conducted in relation to a proposed woodland creation scheme on land south of Lintmiln, Kippen Muir, Stirlingshire. Northlight Heritage was commissioned to undertake the assessment by JDM Woodland Management with the work being undertaken during October 2018.

2. Location & Topography

2.1

The site is located at approximately NGR: NS 61104 92181, just to the south of Lintmiln on Kippen Muir, approximately 2 miles to the west of Kippen village, Stirlingshire (Figure 1). The proposed woodland creation site comprises predominantly gently sloping moor land. The study area measured approximately 38 hectares in size, however, a 1 km buffer of the area was included in the desk-based assessment to provide some context to the site.

3. Aims and Objectives

The aims of the study were to:

- Indentify any previously recorded or currently unknown heritage sites present within the proposed development area which may be impacted upon by any development;
- Assess the potential for the proposed development site to hold buried archaeological remains;
- Identify any previously recorded archaeological remains within 1 km of the proposed development boundary in order to provide an overall context to the site; and
- · disseminate the results of the study.

4. Methodology

4.1

The desk-based assessment encompassed the proposed woodland creation scheme area and 1 km around it. GIS software was used to view and compare the data while the following sources were consulted:

- Information on Scheduled Monuments, Listed Buildings, Conservation Areas, Gardens and Designed Landscapes and Historic Battlefields was obtained from Historic Environment Scotland's online download facility.
- The National Monuments Record of Scotland (NMRS) was consulted through the online PastMap facility. This data was cross referenced with the local Historic Environment Record (HER).
- Digital versions of pre-Ordnance Survey (OS) maps and the first, second and subsequent editions of the OS maps of the area of interest, as well as Roy's Military Maps of Scotland, held by the National Library of Scotland, were identified online and examined. Relevant maps range in date from the eighteenth century to the early twentieth century.
- Readily accessible primary and secondary historical sources on the area were consulted for information on its history and past land use.

4.2

An archaeological walkover survey was conducted on 4th October 2018 to target any known sites which may be impacted upon by the woodland creation scheme and also to check if any further extant features may survive. The walkover survey also assessed the potential for buried archaeological remains to be present.

4.3

All sites visited or identified during the walkover were recorded by digital photography and written description on *pro-forma* record sheets. The location of each site was recorded in relation to the Ordnance Survey grid.

5. Results

5.1

As part of this assessment a total of four heritage sites were identified within the proposed woodland creation scheme area while a further ten heritage sites were noted within the 1 km buffer zone (Figure 1). In general these sites primarily related to post-medieval activity in the area, for example, a farmstead, lime kilns and tryst sites although unidentified Roman artefacts have also been recovered.

HES Data

5.2

No Scheduled Monuments, Listed Buildings, Conservation Areas, Gardens and Designed Landscapes or Historic Battlefields were located within the proposed woodland creation scheme or the 1km around it.

HER & NMRS Data

5.3

Within the NMRS and local HER only one site was recorded within the proposed woodland creation scheme. This corresponded to the earliest activity noted during the assessment: several Roman artefacts recovered from Kippen Muir during drainage works in 1903 (Site 7). However, although the grid co-ordinate (NS 61 92) locates the find spot within the proposed woodland creation scheme the exact location of the finds are not known and may have come from out with the development area. The NMRS record notes that they were last held in the Antiquarian Museum in Edinburgh, however, by the 1950's it appears that these items could not be located.

5.4

To the north-west of the proposed woodland creation scheme the site of a former farmstead (Site 9) annotated 'Muirside (in ruins)' is present on the OS 6 inch to the mile map (Perthshire 1866, sheet cxxxvi & cxxxvii) and 25 inch to the mile map (Perth & Clackmannanshire 1864, sheet CXXXVI.8) comprising one unroofed building and one enclosure. It is not, however, depicted on the 1979 OS 1:10000 or more recent maps.

5.5

A mill dam is recorded in the local HER (Site 11) to the south of the proposed woodland creation area. This was used to store and control water that likely fed a former mill on the site of the current Lintmiln, just to the north of the proposed development area (Figure 1).

5.6

The remainder of the sites noted in the NMRS and HER comprise quarries (Sites 1 & 2), lime kilns (Sites 1, 3 & 8), a track (Site 1), a ford (Site 4), a boundary stone (Site 5), a livestock market (Site 6) and a tryst ground (Site 10). Further details on these sites are given in Appendix 2, Table 1.

Historic Mapping

5.7

Cartographic sources were consulted in order to establish any previously unidentified structures not included within the HER or NMRS databases. The only new site noted within the proposed woodland creation scheme area was a sheepfold (Site 14) marked on the 6 inch to the mile OS map of 1931 (sheet nXV.NE (Inc. Kippen)) at NS 261152 692568. This sheepfold does not appear on any earlier or later editions of the OS maps.

5.8

A burn, depicted on all editions of the OS 6 inch to the mile and 25 inch to the mile maps, links the mill dam (Site 11) and the former Mill (current Lintmiln Farm) although this appears to be a natural form with no obvious signs of canalisation other than outwith the proposed woodland creation scheme area directly next to Lintmiln Farm.

5.9

No other sites of heritage interest were noted from the cartographic sources consulted, a full list of which is present in Appendix 2, Table 3.

Documentary Sources

5.10

The first and second Statistical Accounts of Scotland and associated appendices were consulted for any information that might be pertinent to the proposed development area and surrounding area. The entries, dated to 1796 (appendix added in 1799) and 1845, for the parish of Kippen were consulted. No information relating directly to the site was noted in either account.

Walkover Survey

5.11

The walkover survey found no significant archaeological remains. A possible quarry scoop (Site 12), which measured approximately 5 m in diameter, was located on the northern face of a small hillock at NS 261170 692296 while a possible field boundary (Site 13) was located at NS 261092 692362. It consisted of a turf bank, approximately 0.5 m to 0.75 m in height and 1m to 1.5 m in width, on an east to west alignment.

5.12

Small areas of the burn which ran between the former Lintmiln in the north and the mill damn in the south (Site 11) were identified during the walkover, however, it was often not clearly visible due to high and dense vegetation. In the sections that were identified no sign of canalisation or water management was noted.

5.13

No evidence for the sheepfold noted in the mid 19th century on the northern edge of the woodland creation area (Site 14) was noted.

6. Summary

6.1

Heritage sites recorded within the development area include a possible Roman artefact find spot (Site 7), a field boundary (Site 12), a quarry scoop (Site 13) and a sheepfold (Site 14). With the exception of the possible Roman find spot, of which the location is not clear, all indicate relatively modern activity. One of the main activities in this area was the Dam just to the south of the woodland creation scheme area (Site 11) which managed and fed water to the former mill located to the north. It is not clear when this mill went out of use but it is likely to have been before the mid nineteenth century given the OS name book of 1859-1862 records the site as a farmstead in good repair (OS name book, Perthshire, Vol 48).

6.2

The heritage sites recorded within the 1 km buffer zone around the Woodland Creation scheme primarily relate to post-medieval activity such as a farmstead, lime kilns and quarries with no evidence of any earlier activity.

6.3

Overall the proposed woodland creation scheme and the surrounding area only holds relatively sparse archaeological and cultural heritage remains none of which are considered particularly significant. Although Roman artefacts have been previously recovered in the area the location of their discovery is not clear. Overall this suggests that the potential for further significant buried archaeological remains to be present on the site of the proposed woodland creation scheme is low.

7.0 Recommendations

7.1

The limited extant archaeological remains present within the proposed development area (Site 12: a quarry scoop & Site 13: a field bank) appear relatively modern in date and are not deemed archaeologically significant. Many parts of the burn connecting the mill dam (Site 11) and the former mill could not be inspected due to vegetation cover. However, if any areas that were not visible do contain evidence for canalisation or other water management features they will not be disturbed during the woodland creation scheme as they fall outwith the area proposed for planting (see Appendix 1). Therefore, no further mitigation is recommended in relation to upstanding remains in advance or during the woodland creation scheme.

7.2

Despite the previous recovery of Roman artefacts in the general area the potential for further buried archaeological remains to be present on the site is considered to be low. Areas of deeper peat, that have the potential to preserve organic archaeological remains, will also be avoided during the scheme (see Appendix 1). Therefore, no further mitigation is recommended in relation to buried archaeological remains either in advance or during the woodland creation scheme.

7.3

Northlight Heritage would stress that these recommendations are intended for guidance only. Final decisions relating to the requirement for further mitigation rests with the planning authority.

8.0 Bibliography

Ordnance Survey Name Book, Perthshire 1859-1862, Volume 48.

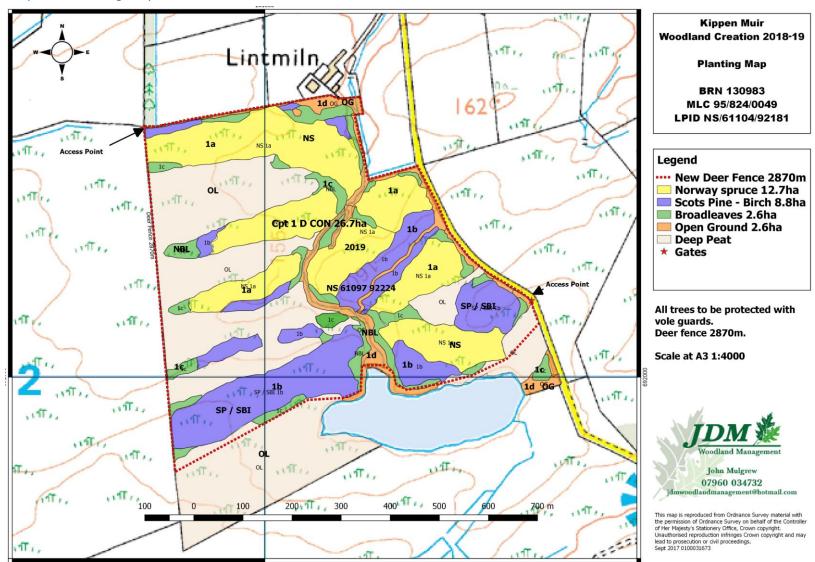
Rev. John Campbell, 1796, Kippen, County of Stirling, OSA, Vol XVIII, Pg. 317 – 357.

Rev. John Campbell, 1799, Appendix for Kippen, County of Stirling, OSA, Vol XXI, Pg. 263 – 265.

Rev. William Anderson, 1845, Kippen, County of Stirling, NSA, Vol VIII, Pg. 264 – 272.

9. Appendices

Appendix 1: Proposed Planting Map



Appendix 2: Tables

Table 1: Site Gazetteer

Site No.	Name	Canmore ID	HER ID	NGR	Description	Classification
1	Balgair Muir	358706	3340	NS 60637 90881	The SMR records that two limekilns and access tracks are marked on the Ordnance Survey 1st Edition map (25 inch map) (1863). Old quarries are marked a little way to the east. The Ordnance Survey 1st Edition map (1865-6) depicts two limekilns and a short section of trackway running to the north-east of the kilns and joining a main trackway. The Ordnance Survey 2nd Edition map (1899) depicts both limekilns, but not the track, and shows a small area of quarrying, annotated 'Old Quarry', just to the east of the limekilns. Only the quarry is still depicted on the Ordnance survey 3rd Edition map (1923). Field survey found the well preserved remains of two kilns, an extensive area of quarrying; and a trackway, located in a narrow burn valley: Two conjoined kilns, measuring 16m by 8m by 2.5m-3m high overall, with kiln bowls measuring 5m across. Stone facing is visible in places, but the kilns are largely turf-covered. An additional, horseshoeshaped bank, 2m across by 1.2m high, extends from the eastern end of the kilns, defining an area 5m in diameter. A quarried bedrock face extending to the ENE of the kilns, along the burn valley, approximately	Lime Kiln, Quarry(s), Track(s)
					20m wide by 3m high. Further quarrying is visible to the west and north-west of the kilns as a series of turf covered linear cuts and sub-circular pits, together with small bunds and tip lines. A grassy slight terrace into the burn valley side, measuring 2.5m wide by 0.2m deep, represents a length of the former trackway.	

Site	Name	Canmore	HER ID	NGR	Description	Classification
No.		ID				
2	Hill Of Balgair	358713	n/a	NS 61234 91083	An area of possible quarrying is depicted on the Ordnance Survey 1st Edition map (1865-6). The Ordnance Survey 2nd Edition map (1899) annotates the area as 'Old Quarry'. The Ordnance Survey 3rd Edition map (1923) depicts an extension to the quarry to the north-east. A grassed over area of quarrying is visible on aerial photographs from 1946 and on modern photographic imagery (GoogleTM). Field survey found an extensive area of quarrying, a length of drystone walling (possible structure) and a section of holloway leading from the south of the quarry to two spoil heaps: (261234 691083) a well-preserved linear limestone quarry, 3m deep; with additional small quarry pits and spoil heaps (measuring 1m-2m high), spread along the northern edge of the quarry.	Quarry
					(261252 691051,) a poorly preserved drystone wall, 18m by 0.4m wide by 0.2m high, orientated northwest to south-east, and defining the edge of a holloway. The remains of a possible drystone walled, subrectangular, structure, 6m by 2m, are visible at the northern end of the wall where it meets the quarry edge. (261265 691036) a grassy holloway measuring 3m wide by 0.4m deep, extending from the southern edge of the quarry for 10m.	
					(261297 691005) two turf-covered spoil heaps to the south-east of a large area of quarrying. The spoil heaps are highest at their downslope edges (to the south-east) suggesting tipping of quarried spoil from the north-west (the direction of the quarry). One spoil heap is a tear drop-shaped bund measuring 21m by 7m by 0.3m-1.75m high; the second is oval-shaped measuring 20m by 7m-10m by 0.5m-2m high.	
3	Hill Of Balgair	358708	2905	NS 61395 91122	The SMR records that a limekiln is marked on the Ordnance Survey 1st Edition map (25 inch) (1864) as an 'old limekiln'. The limekiln is shown just west of an area of possible quarrying on the Ordnance Survey 1st Edition map (1865-6). The limekiln is depicted on the Ordnance Survey 2nd (1899) and 3rd (1923) Edition maps and annotated as 'Old Limekilns'.	Lime Kiln
4	Balgair Muir	358710	n/a	NS 60386 91361	The Ordnance Survey 1st (1865-6) and 2nd (1899) Edition maps depict a ford, adjacent to a trackway. Field survey found no trace of any built structures at the location of the ford, but a slight dip in ground level was observed at the ford's location, where the trackway met a burn.	Ford

Site	Name	Canmore	HER ID	NGR	Description	Classification
No.		ID				
5	Balgair Muir	358705	2899	NS 60027 91383	The SMR records the presence of a possible boundary stone which lies adjacent to a march fence. A boundary stone, annotated 'Wife with the Bratty Plaid', is depicted on the Ordnance Survey 1st (1865-6) Edition map along an undefined county (Perthshire/Stirlingshire) and parish boundary. The stone is also depicted on the Ordnance Survey 2nd (1899) and 3rd (1923) Edition maps, but is not depicted on the 2001 Ordnance Survey map. Field survey identified a large irregular-shaped moss covered stone lying in heather beside a modern fence line. The stone appears to be unworked and measures 0.7m by 0.4m by 0.7m high. It has an old metal fencepost inserted into its northern side and has a deliberately cut groove allowing the metal fence wire to cross its northern face.	Boundary Stone, Wife With The Bratty Plaid
6	Balfair Market	358707	n/a	NS 61280 91450	The SMR holds a record for a 'tryst ground', but provides no further details. Field survey did not identify this site; the location of the site now lies within dense forestry plantation and could not be accessed. Tryst grounds were areas of land in the lowlands of Scotland, where cattle from the Highland glens was brought by drovers to be sold to buyers from across the country, one of the most famous tryst grounds being the Falkirk Trysts (Scott, 2005). The Ordnance Survey 1st Edition map (1865-6) annotates 'Balgair Market (for cattle)' to the north of the location recorded in the SMR (and outside the study area). It is likely that the SMR record is referring to the cattle market annotated on the Ordnance Survey 1st Edition map (1865-66). Reference is made to a market at Balgair, in the Farmer's Magazine of 1837, where it is included in reference to a description of the Falkrik Trysts that took place that year (The Farmer's Magazine (1837).	Livestock Market, Hill Of Balgair
7	Kippen Muir	45411	668	NS 61000 92000	Several Roman relics, now in the Antiquarian Museum, Edinburgh, were found during drainage work connected with Kippen Moss (Kippen Muir?). W Chrystal 1903 (Not found in National Museum of Antiquities of Scotland (NMAS) records.	
8	Kippen Muir, Limekiln	45402	659	NS 61570 92210	Possible tumulus. J G Scott and Mrs Scott 1956 Lime kiln working. OS 25" map (1918) Un	
9	Lintmiln	126904	4451	NS 60480 92750	A farmstead annotated as Muirside 'in Ruins', comprising one unroofed building and one enclosure is depicted on the 1st edition of the OS 6-inch map (Perthshire 1866, sheet cxxxvi & cxxxvii) and 25-inch map (Perth & Clackmannanshire, sheet CXXXVI.8), but it is not shown on the current edition of the OS 1:10000 map (1979).	Farmstead (period Unassigned), Muirside
10	Hill Of Balgair	n/a	3332	NS 61000 91000	Tryst Ground	Tryst Ground
11	Hill Of	n/a	3337	NS 61340	Mill Dam	Mill Dam

Site	Name	Canmore	HER ID	NGR	Description	Classification
No.		ID				
	Balgair			91910		
12	n/a	n/a	n/a	NS 61170	Possible quarry scoop on northern face of small hillock. Measured approximately 5 m in	Quarry Scoop
				92296	diameter	
13	n/a	n/a	n/a	NS 61092	Short section of possible field boundary. Turf bank approximately 0.50 - 0.75 m in height by 1 -	Field
				92362	1.50 m in width.	Boundary
14	n/a	n/a	n/a	NS 61152	Sheepfold marked on the 2nd edition 6 inch to the mile OS map of 1931 (sheet nXV.NE (Inc.	Sheepfold
				92568	Kippen)). This sheepfold does not appear on any earlier or later editions of the OS maps .	

Table 2: Walkover Survey Photographs

Photo No.	Description	Taken From	Easting	Northing
1	General view of site	N	261293	692414
2	General view of site	E	261293	692414
3	General view of site	NE	261293	692414
4	Possible mill lade	S	261210	692395
5	Possible mill lade	N	261210	692395
6	Possible field boundary - eastern end	E	261210	692395
7	Possible field boundary - western end	W	261092	692362
8	General view of site	SW	260788	692474
9	General view of site	W	260788	692474
10	General view of site	NW	260788	692474
11	General view of site	N	260788	692474
12	General view of site	S	260788	692474
13	General view of site	NE	261144	692544
14	General view of site	E	261144	692544
15	General view of site	SE	261144	692544
16	Probable mill lade near farm	S	261195	692525
17	Probable mill lade near farm	N	261195	692525
18	Farmhouse	NW	261058	692609
19	General view of field with livestock	SE	261058	692609
20	General view of field with livestock	NE	260994	692635
21	General view of field with livestock	SE	260841	692509
22	General view of field with livestock	SW	260841	692509
23	General view of site	SW	260784	692333
24	General view of site	W	260784	692333
25	General view of site	NW	260784	692333
26	General view of site	N	260981	692259
27	General view of site	NW	260981	692259
28	General view of site	NNW	260981	692259
29	Grassy knoll	W	261119	692279
30	General view of site	NW	261119	692279
31	General view of site	NE	261119	692279
32	Grassy knoll with possible quarry scoop	NW	261170	692296
33	General view of site	E	261448	692013
34	General view of site	SE	261448	692013
35	General view of site	SW	261448	692013
36	General view of site	N	261448	692013
37	General view of site	NE	261448	692013
38	Mill dam by loch	S	261265	691981
39	Mill dam by loch	SE	261265	691981
40	Lade river valley	SE	261257	692005
41	Northern side of dam	NE	261252	692023
42	General view of site	SE	261194	692063
43	General view of site	SW	261194	692063

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Photo No.	Description	Taken From	Easting	Northing
44	Mill dam by loch	NW	261192	692043
45	General view of site	NE	261120	691985
46	General view of site	S	261120	691985
47	General view of site	NW	261120	691985
48	General view of site	NE	260933	691907
49	General view of site	SW	260946	692022
50	General view of site	N	261291	692233
51	General view of site	NE	261291	692233
52	General view of site	E	261291	692233
53	General view of site	SE	261291	692233
54	General view of site	S	261291	692233

Table 3: Map Sources Consulted

Cartographer	Name	Date Published	
William Roy	Roy's Military Map Of Scotland: Lowlands	1747-1752	
Ordnance	6" Stirlingshire Sheet XV.NE	1899	
Survey	o stillingshire sheet Av.NL	1033	
Ordnance	25" Stirlingshire Sheet 015.08	1898	
Survey	23 Stiffingstiffe Street 013.08	1090	
Ordnance		1864	
Survey	25" Perth and Clackmannanshire CXXXVII.5 (Kippen (Part of))		
Ordnance	1" Sheet 38, Loch Lomond	1896	
Survey	1 Sheet 38, Loch Lomond	1090	
Ordnance	6" Stirlingshire Sheet VI/ (Inc. Balfron, Dryman & Kinnen)	1965 66	
Survey	6" Stirlingshire Sheet XV (Inc. Balfron, Drymen & Kippen)	1865-66	
Ordnance	6" Stirlingshire 2 nd Edition nXV.NE (Inc. Kippen)	1931	
Survey	o stillingshire 2 Europh HAV.NE (IIIC. Rippen)	1931	
Bartholomew	½" Sheet 8Edinburgh District	1903	

APPENDIX 2: DES

LOCAL AUTHORITY	Stirling
PROJECT TITLE/SITE NAME:	Kippen Muir Woodland Creation
PROJECT CODE:	1805
PARISH:	Kippen
NAME OF CONTRIBUTOR:	Steven Black
NAME OF ORGANISATION:	Northlight Heritage
TYPE(S) OF PROJECT:	Desk Based Assessment
NMRS NO(S):	n/a
SITE/MONUMENT TYPE(S):	n/a
SIGNIFICANT FINDS:	none
NGR (2 letters, 8 or 10 figures)	NS 61104 92181
START DATE (this season)	01/10/2018
END DATE (this season)	08/10/2018
PREVIOUS WORK (incl. DES ref.)	none
MAIN (NARRATIVE)	An archaeological assessment, comprising a desk-based study and
DESCRIPTION:	walkover survey, was undertaken on behalf of JDM Woodland
(May include information from	Management in relation to a proposed woodland creation scheme on
other fields)	Kippen Muir, Stirlingshire. The assessment was conducted during early October 2018 which showed no significant heritage sites were visible on the ground surface within the proposed development area. Sites recorded in the woodland creation scheme area and 1 km surrounding it, in the most part, related to post-medieval activity including, for example, lime kilns, quarries and farmsteads. The exception was a findspot of Roman artefacts although the exact location of their discovery is not known. A dam and associated loch were present just to the south of the proposed woodland creation scheme which appears to have fed a likely Mill located on the current site of Lintmiln. Although the loch was connected to the mill by a waterway which runs through the proposed woodland creation area no sign of any canalisation was noted.
PROPOSED FUTURE WORK:	none
CAPTION(S) FOR ILLUSTRS:	none
SPONSOR OR FUNDING BODY:	JDM Woodland Management
ADDRESS OF MAIN	Northlight Heritage, Studio 114, South Block, 64 Osborne Street,
CONTRIBUTOR:	Glasgow G1 5QT.
EMAIL ADDRESS:	northlight@yorkat.co.uk
ARCHIVE LOCATION	National Monuments Record for Scotland (intended)
(intended/deposited)	