

**Bishopton Royal Ordnance Factory, Renfrewshire:
Archaeological Evaluation LQMA04**

Data Structure Report

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Rathmell

Archaeology Ltd

Quality Assurance

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Overview

1. This Data Structure Report is for one part of a programme of works required by BAE Systems Plc in respect to the remediation and enabling development of the Bishopton Royal Ordnance Factory. These archaeological works are designed to inform the mitigation of any impact on archaeological remains within the area designated LQMA04 within the larger development area.
2. Renfrewshire Council have required a programme of archaeological works to be undertaken as a requirement of the granted planning consents. The West of Scotland Archaeology Service (WoSAS) who advise Renfrewshire Council on archaeological matters has provided guidance on the structure of archaeological works required on this site during development works.
3. The area, LQMA04, examined during these works was subject to the terms described in the Archaeological Mitigation Strategy (Rees & Talbot 2010). More specifically the work described in this report is covered by the section describing Greenfield development (Rees & Talbot 2010, Pages 11 to 15). This report covers only those evaluation works undertaken in LQMA04 in compliance with the terms of Archaeological Mitigation Strategy.
4. LQMA04, although within the boundary of Bishopton Royal Ordnance Factory, was not a part of the built factory complex. The site remained Greenfield and in use as grazing for cattle. The assessment of the potential for adverse impact on previously unknown archaeological remains within LQMA04 was the purpose of this evaluation work. However, no archaeological sites are known to exist within the area. This report presents the findings of the evaluation of the remainder of the site following an early archaeological evaluation carried out in September 2010 (Matthews 2010).
5. Rathmell Archaeology Ltd has been appointed to act with regard to the archaeological issue by BAE Systems Plc. The design and scope of the works has been agreed in consultation with West of Scotland Archaeology Service.

Project Works

6. A programme of archaeological works was undertaken from the 2nd to 11th April 2012 and included the excavation by machine of a series of evaluation trenches within the defined portion of LQMA04 to be subject to extraction in order to examine approximately 8% of that area (Figure 1). Typically the trenches were 50m long by 2.2m and placed in accordance with the terms of the Archaeological Mitigation Strategy (Rees & Talbot 2010) and according to a layout approved by West of Scotland Archaeology Service. In total 5201m² of trenching was carried out, exceeding the 4800m² required.
7. In general terms the trenches were placed according to the layout referred to above. However four trenches were either wholly or partially effected by the presence of a spoil bund marking the west boundary of the working borrow pit (Figure 1). Two trenches were excavated in the ground available to ensure coverage. A third extra trench in the northern portion of the site was also excavated to ensure even coverage due to a misalignment of Trench 6.
8. No significant archaeological sites were known to exist within this portion of LQMA04. The area is a peripheral element of the Bishopton Royal Ordnance Factory as evidenced by the remains of the large steel fence running through the study area. One structure has been mapped on the summit of the hill that forms LQMA04, but has been demolished leaving doubt as to its function. For a more detailed examination of the historical and archaeological background of Bishopton Royal Ordnance Factory and its surrounds please refer to Archaeological Mitigation Strategy (Rees & Talbot 2010, Pages 5 to 9) and other documents relating to this project.
9. All works were conducted in accordance with the Institute for Archaeologists' Standards and Policy Statements and Code of Conduct and Historic Scotland Policy Statements.

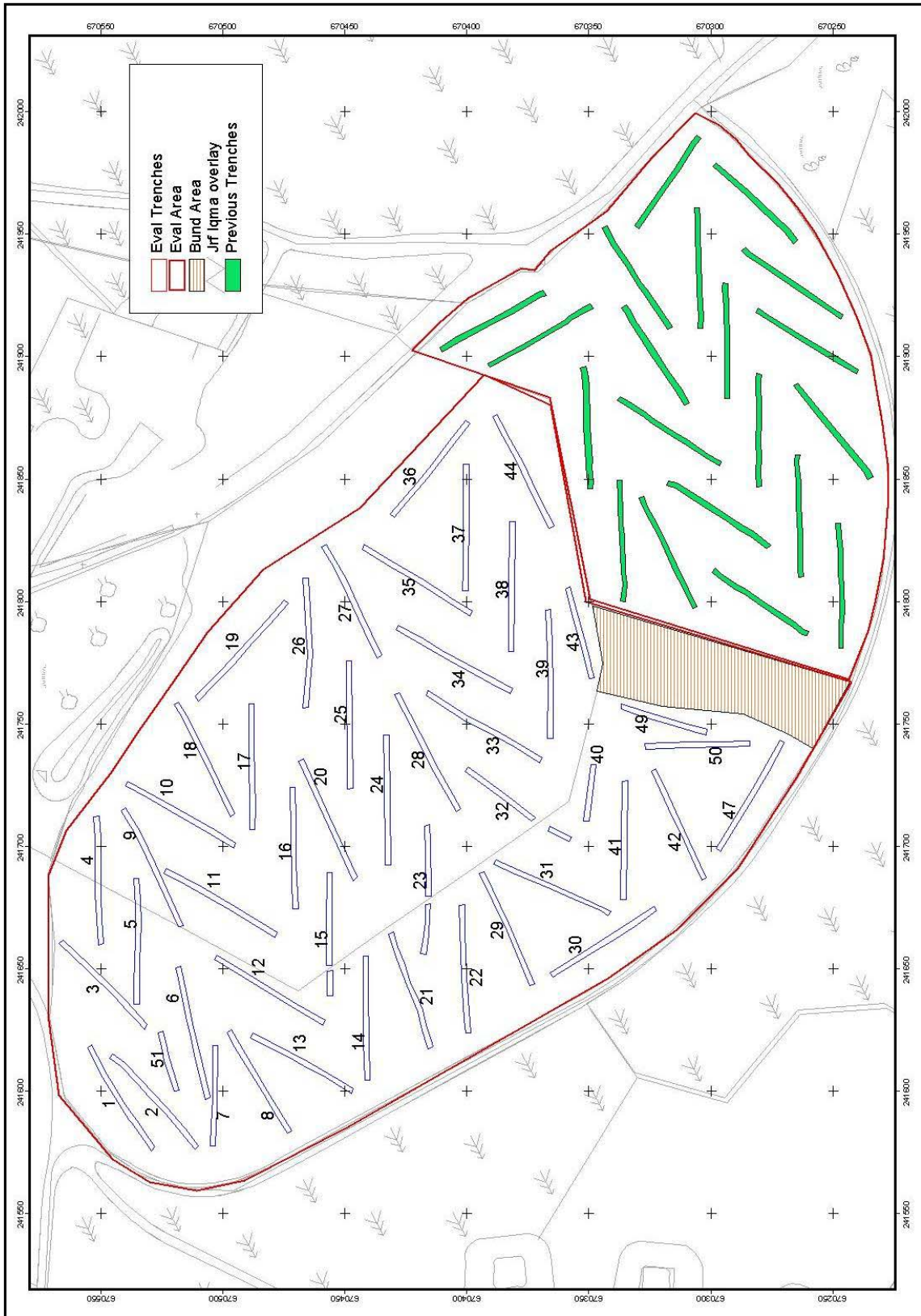


Figure 1: Trench Layout as machined

Findings: Evaluation

10. In total 48 evaluation trenches were excavated using a 32t 360° excavator; details of the trenches may be found in Appendix 1 of this document. The trenches were spread evenly across the development area in order to give the best possible coverage of the site. At the time of commencement of the archaeological evaluation the development area was a large field of grassland on a small hill used for grazing cattle. Examination of the area on aerial photography as well as examination of the sediments suggests that the field may also have been ploughed in modern times.
11. All of the trenches were excavated down to the top of the underlying subsoil to allow for examination of any surviving archaeological features. The topsoil across the site (001) ranged between 200 to 500mm in depth and was composed of light orange/brown slightly sandy soil with occasional sub-rounded medium sized stones. The natural subsoil was primarily a firm light orange/brown sand with occasional medium sized stones (004), though several trenches also had a brown orange clay silt with frequent sub-rounded and sub-angular medium stones (002)
12. Very few features were observed in the course of the evaluation works. All those which were exposed were investigated according to the terms of the Archaeological Mitigation Strategy (Rees & Talbot 2010). In several trenches (17, 18, 19, 21, 25, 26, 27, 28, 44, 47 and 50) rubble field drains (003) were uncovered and ceramic field drains were also located several other trenches (4, 5, 6, 9, 14, 18, 21, 22, 29, 30 and 41). Obviously there had been some attempt in the late 19th or 20th century to improve the drainage of the area. Only modern material was found in association with these features; this included small fragments of modern glass and modern pottery. In addition two drainage ditches [005] and [008] had been cut across the slope of the hill on a diagonal.
13. Several modern features were also uncovered in the course of the evaluation [007] and [010] were service trenches:
 - ❖ [007] in Trench 41 was aligned NE-SW measuring 620mm wide and 420mm in depth with steep sides and a sharp break of slope. Its fill was a firm light orange/brown clayey silt including a small pipe, 60mm in diameter, and occasional small stones; and
 - ❖ [010] in Trench 3 was aligned N-S measuring 300mm in width with near vertical edges.
14. Within Trench 33 a modern kidney shaped drain cover (011) was uncovered 1m south of [012] a linear feature aligned E-W, measuring 1m wide with a brownish black sandy silt fill that contained very frequent Ceramic Building Material, modern pottery and glass fragments.

Discussion

15. No significant archaeological remains were uncovered in the course of the evaluation works and no anthropic material was uncovered other than would suggest modern (19th and 20th century) use of LQMA04. Any potential significant archaeological features were investigated according to the terms of the Archaeological Mitigation Strategy (Rees & Talbot 2010), however, there was notably little disturbance to the subsoil and archaeologically sterile subsoil could be reached in almost all areas.
16. Those few features uncovered during the evaluation works were investigated. All seemed to be indicative of the modern (19th or 20th century) use of the site and are most likely associated with a structure known to have been situated on the top of the hill in the middle of the site. The exact purpose of the structure is unknown but has been suggest as being a pillbox, anti aircraft emplacement, aircraft observation point. Given the pattern of an intervisible sequence of pillboxes around the perimeter of the factory, the most likely function of this removed structure was as a pillbox.



Figure 2a: Trench 1 from South West



Figure 2b: Trench 13 from the South West



Figure 3a: Trench 36 from the North West



Figure 3b: Trench 42 from the North North East

17. The field drains which were recorded and the evidence of ploughing suggested repeated and varied agricultural use of the site in recent times. This would account for uniformity of the topsoil and the lack of other features within the evaluated area.

Recommendations

18. No significant archaeological remains were located within the development area and the only anthropic material observed suggested modern (19th and 20th century) use of the site as agricultural land and in maintaining the defensive perimeter of the factory. The position of the trenches has given an accurate representation of the archaeological potential of the portion of LQMA04 studied. All of those features investigated were the result of modern disturbance and archaeologically sterile drift geology was reached in all trenches.
19. We recommend that, in combination with the findings from the previous evaluation (Matthews 2010) that no further archaeological work is appropriate within LQMA04. The appropriateness and acceptability of our recommendations rest with Renfrewshire Council and their advisors, West of Scotland Archaeology Service.

Conclusion

20. A programme of archaeological works was required by BAE Systems PLC in respect to the remediation and enabling development of the Bishopton Royal Ordnance Factory. These archaeological works were designed to mitigate the impact on archaeological remains within the area designated LQMA04 of the overall development area.
21. No significant archaeological remains were located within the area and no anthropic material was recovered other than would suggest modern (19th and 20th century) use of the site. Those few features which were uncovered related either to attempts to improve the area as agricultural land or from a mid 20th century structure that had been situated in the centre of the site.

References

- HM Government, 1979, *Ancient Monuments and Archaeological Areas Act*, HMSO
- Historic Scotland, 2008, *Scottish Historic Environment Policy*
- Matthews, A, 2010, Bishopton Royal Ordnance Factory, Renfrewshire: Archaeology Evaluation LQMA4, unpublished commercial report
- Renfrewshire Council, 2006, *Renfrewshire Local Plan 2006*
- Rees, T & Talbot, G., 2010, *Bishopton Royal Ordnance Factory, Renfrewshire: Archaeological Mitigation Strategy*, Rathmell Archaeology Ltd
- Scottish Office: Environment Department, 1994, *Planning Advice Note 42: Archaeology*
- Scottish Government, 2010, *Scottish Planning Policy*

Appendix 1: Trench Details

Within this appendix a standardised set of data pertaining to the evaluation trenches is presented. All measurement distances quoted along the trench are started from the end quoted first in the orientation of the trench. See Figure 1 for trench locations.

Trench	Orientation	Size	Topsoil Depth	Subsoil Character	Modern/ Agricultural Features	Significant Features	Artefacts
1	South-west to north-east	2.2m by 51m	230mm – 320mm	Firm light orange/brown sand with occasional medium sized stones (004) present throughout trench.	None.	None.	None.
2	North-east to south-west	2.2m by 50m	280mm-290mm	Firm light orange/brown sand with occasional medium sized stones (004) present throughout trench.	Possible stone heave (009) present at 38.5m, 0.50m wide and 0.70m in length.	None.	None.
3	South-west to north-east	2.2m by 50m	240mm-580mm	Firm light orange/brown sand with occasional medium sized stones (004) present throughout trench.	Possible modern service ditch (010) present at 24.7m to 29.7m. Orientated south-south-west to north-north-east.	None.	None.
4	West to east	2.2m by 49.5m	300mm-350mm	Firm light orange/brown sand with occasional medium sized stones (004) present throughout trench. One metre gap in trench present from 38m to 39m due to modern concrete fencing.	Modern red-tile field drain (006) present at 42.5m to 44m. Orientated south-west to north-east.	None.	None.
5	West to east	2.2m by 50m	290mm 400mm	Firm light orange/brown sand with occasional medium sized stones (004) present throughout trench. One metre gap in trench present from 39m to 40m due to modern concrete fencing.	Modern red-tile field drain (006) present at 44m to 45.5m. Orientated south-west to north-east.	None.	None.
6	East to west	2.2m by 56.5m	250mm – 330mm	Firm light orange/brown sand with occasional medium sized stones (004) present throughout trench.	Modern red-tile field drain (006) present at 11m to 13.4m. Orientated north-west to south-east.	None.	None.
7	East to west	2.2m by 42.5m	230mm – 400mm	Firm light orange/brown sand with occasional medium sized stones (004) present throughout trench.	None.	None.	None.

Trench	Orientation	Size	Topsoil Depth	Subsoil Character	Modern/ Agricultural Features	Significant Features	Artefacts
8	South-west to North-east	2.2m by 50m	250mm – 300mm	Mid-brown/orange clayey silt with frequent sub-rounded and sub-angular medium stones (002) present to 25.5m which becomes firm light orange/brown sand (004) with occasional medium sized stones for remainder of trench.	None.	None.	None.
9	South-west to north-east	2.2m by 54m	290mm – 300mm	Firm light orange/brown sand with occasional medium sized stones (004) present throughout trench.	Modern red-tile field drain (006) present at 33m to 35m. Orientated north-north-west to south-south-east. And modern red-tile field drain (006) present at 36m to 36.8m. Orientated west-north-west to east-south-east.	None.	None.
10	South-south-west to north-north-east	2.2m by 53.8m	300mm	Firm light orange/brown sand with occasional medium sized stones (004) present to 37.5m giving way to mid-brown/orange clayey silt with frequent sub-rounded and sub-angular medium stones (002) present for remainder of trench.	None.	None.	None.
11	North-north-east to south-south-west	2.2m by 51m	270mm – 300mm	Firm light orange/brown sand with occasional medium sized stones (004) present throughout trench.	None.	None.	None.
12	South-west to north-east	2.2m by 51m	300mm – 400mm	Firm light orange/brown sand with occasional medium sized stones (004) present throughout trench.	Agricultural ditch (008) present at 20.5m to 45m. Orientated north-east and at 45m gently curves to the north.	None.	None.
13	South-west to north-east	2.2m by 48.0m	230mm – 250mm	Firm light orange/brown sand with occasional medium sized stones (004) present throughout trench.	None.	None.	None.
14	West to east	2.2m by 50.5m	240mm – 300mm	Firm light orange/brown sand with occasional medium sized stones (004)	Modern red-tile field drain (006) present at 17.5m to	None.	None.

Trench	Orientation	Size	Topsoil Depth	Subsoil Character	Modern/ Agricultural Features	Significant Features	Artefacts
				present throughout trench.	19.2m. Orientated south-west to north-east.		
15	East to west	2.2m by 52m	280mm – 300mm	Firm light orange/brown sand with occasional medium sized stones (004) present throughout trench. A two metre gap of the trench not excavated because of the modern concrete fencing present between 39m to 41m.	None.	None.	None.
16	East to west	2.2m by 51m	270mm – 290mm	Firm light orange/brown sand with occasional medium sized stones (004) present throughout trench.	None.	None.	None.
17	West to east	2.2m by 53m	290mm – 310mm	Firm light orange/brown sand with occasional medium sized stones (004) present throughout trench.	Possible rubble drain (003) present at 13m to 19m. Orientated west-north-west to east-south-east. Rubble drain (003) present at 32m to 34.5m. Orientated north-west to south-east.	None.	None.
18	West-south-west to east-north-east	2.2m by 51.7m	290mm – 330mm	Firm light orange/brown sand with occasional medium sized stones (004) present throughout trench.	Modern red-tile field drain (006) present at 14m to 17m. Orientated south to north. Rubble drain (003) present at 22m to 26.5m. Orientated west to east and is cut by modern red-tile field drain (006) present at 26m to 26.3m. Orientated north-north-west to south-south-east. Modern red-tile field drain (006) present at 33.3m to 34m. Orientated north-west to south-east.	None.	None.
19	North-north-west to south-	2.2m by 54.5m	280mm – 340mm	Firm light orange/brown sand with occasional medium sized stones (004)	Rubble drain (003) present at 11.3m to 11.5m. Orientated north to south. Rubble drain	None.	None.

Trench	Orientation	Size	Topsoil Depth	Subsoil Character	Modern/ Agricultural Features	Significant Features	Artefacts
	south-east			present throughout trench.	(003) present at 20m to 20.2m. Orientated east-north-east to west-south-west.		
20	West-south-west to east-north-east	2.2m by 53.5m	230mm – 300mm	Firm light orange/brown sand with occasional medium sized stones (004) present throughout trench.	Rubble drain (003) present at 40.3m to 43.5m. Orientated north to south.	None.	None.
21	East to west	2.2m by 50.8m	300mm-350mm	Mid-brown/orange clayey silt with frequent sub-rounded and sub-angular medium stones (002) present throughout trench.	Modern red-tile field drain (006) present at 28m to 35m. Orientated north-east to south- west. (006) cuts into rubble drain (003) present at 32.2m to 33m. Orientated north to south.	None.	None.
22	East to west	2.2m by 53m	250mm – 300mm	Mid-brown/orange clayey silt with frequent sub-rounded and sub-angular medium stones (002) present throughout trench.	Modern red-tile field drain (006) present at 4m to 7m. Orientated south-west to north-east. Modern red-tile field drain (006) present at 12.5m to 12.8m. Orientated north to south.	None.	None.
23	West to east	2.2m by 52m	180mm-400mm	Mid-brown/orange clayey silt with frequent sub-rounded and sub-angular medium stones (002) present to 21m which is where the trench meets concrete foundations of modern fencing. Firm light orange/brown sand with occasional medium sized stones (004) present throughout remainder trench.	None.	None.	None.
24	West to east	2.2m by 52.7m	220mm-390mm	Firm light orange/brown sand with occasional medium sized stones (004) present throughout trench.	None.	None.	None.

Trench	Orientation	Size	Topsoil Depth	Subsoil Character	Modern/ Agricultural Features	Significant Features	Artefacts
25	West to east	2.2m by 52m	280mm-300mm	Firm light orange/brown sand with occasional medium sized stones (004) present throughout trench.	Rubble field drain (003) present at 6.5m to 18m. Orientated west-north-west to east-south-east. Rubble field drain (003) present at 20m to 21m. Orientated north-north-east to south-south-west. Rubble field drain (003) present at 28.5m to 29.5m. Orientated north-north-east to south-south-west. Rubble field drain (003) present at 37m to 38m. Orientated north-north-east to south-south-west. Rubble field drain (003) present at 46m to 47m. Orientated north-north-east to south-south-west.	None.	None.
26	South-west to north-east	2.2m by 51.5m	250mm – 300mm	Firm light orange/brown sand with occasional medium sized stones (004) present throughout trench.	Rubble field drain (003) present at 2.7m to 3.5m. Orientated north-north-west to south-south-east. Rubble field drain (003) present at 28.5m to 29.5m. Orientated north-north-west to south-south-east.	None.	None.
27	East-north-east to west-south-west	2.2m by 51.5m	300mm – 310mm	Firm light orange/brown sand with occasional medium sized stones (004) present throughout trench.	Rubble field drain (003) present at 15m to 15.3m. Orientated south-south-east to north-north-west.	None.	None.
28	East-north-east to west-south-west	2.2m by 54m	200mm – 325mm	Firm light orange/brown sand with occasional medium sized stones (004) present throughout trench.	Rubble field drain (003) present at 5m to 6.7m. Orientated north-north-west to south-south-east.	None.	None.
29	East-north-east	2.2m by	300mm-	Mid-brown/orange clayey silt with	Modern red-tile field drain	None.	None.

Trench	Orientation	Size	Topsoil Depth	Subsoil Character	Modern/ Agricultural Features	Significant Features	Artefacts
	to west-south-west	50m	500mm	frequent sub-rounded and sub-angular medium stones (002) present to 28.5m. Firm light orange/brown sand with occasional medium sized stones (004) present throughout remainder trench.	(006) present at 8m to 11.5m. Orientated south-east to north west. And is intersected by another linear of field drain (006) present at 10m to 17m. Orientated north-east to south-west.		
30	North-west-north to south-east-south	2.2m by 51m	270mm – 360mm	Mid-brown/orange clayey silt with frequent sub-rounded and sub-angular medium stones (002) present throughout trench.	Modern red-tile field drain (006) present at 36.5m to 38.5m. Orientated west to east. Modern red-tile field drain (006) present at 40.8m to 41m. Orientated west-south west to east-north-east.	None.	None.
31	North-east to south-west	2.2m by 52m	250mm – 300mm	Firm light orange/brown sand with occasional medium sized stones (004) present throughout trench.	None.	None.	None.
32	North-north-east to south-south-west	2.2m by 47m	250mm-470mm	Firm light orange/brown sand with occasional medium sized stones (004) present throughout trench.	None.	None.	None.
33	South to north	2.2m by 54m	200mm – 290mm	Firm light orange/brown sand with occasional medium sized stones (004) present throughout trench.	Modern metal/steel drain cover (011) 0.45m by 0.25m in size is present at 45.5m. Modern disturbance linear (012) present at 47.5m to 48m. Orientated east to west.	None.	None.
34	South to north	2.2m by 54.5m	240mm – 250mm	Firm light orange/brown sand with occasional medium sized stones (004) present throughout trench.	None.	None.	None.
35	South-west to north-east	2.2m by 53.5m	240mm – 260mm	Firm light orange/brown sand with occasional medium sized stones (004) present throughout trench.	None.	None.	None.
36	North-west to	2.2m by	260mm-	Firm light orange/brown sand with occasional medium sized stones (004)	None.	None.	None.

Trench	Orientation	Size	Topsoil Depth	Subsoil Character	Modern/ Agricultural Features	Significant Features	Artefacts
	south-east	51.8m	500mm	present throughout trench.			
37	East to west	2.2m by 52.8m	290mm – 400mm	Firm light orange/brown sand with occasional medium sized stones (004) present throughout trench.	None.	None.	None.
38	East to west	2.2m by 54.8m	230mm - 290mm	Firm light orange/brown sand with occasional medium sized stones (004) present throughout trench.	Thin modern metal pipe (013) present at 23.5m. Orientated north to south.	None.	None.
39	East to west	2.2m by 52m	230mm – 340mm	Firm light orange/brown sand with occasional medium sized stones (004) present throughout trench.	None.	None.	None.
40	West-south-west to east-north-east	2m by 23.3m	250mm-350mm	Mid-brown/orange clayey silt with frequent sub-rounded and sub-angular medium stones (002) present throughout trench.	Modern red-tile field drain (006) present at 17.8m to 19.0m. Orientated north to south.	None.	None.
41	East to west	2m by 50m	270mm – 300mm	Firm light orange/brown sand with occasional medium sized stones (004) present throughout trench.	Possible agricultural ditch (005) present at 3.0m to 5.0m. Orientated north-east to south-west. Modern red-tile field drain (006) present at 17.7m to 20.0m. Orientated north-east to south-west. Modern red-tile field drain (006) present at 36.5m to 38.5m. Orientated north-east to south-west. Modern red-tile field drain (007) present at 42.8m to 45.0m. Orientated north-east to south-west.	None.	None.
42	North-east to south-west	2m by 50m	270mm - 300mm	Mid-brown/orange clayey silt with frequent sub-rounded and sub-angular medium stones (002) present	Possible agricultural ditch (005) present at 23.3m to 28.5m Orientated north-north-	None.	None.

Trench	Orientation	Size	Topsoil Depth	Subsoil Character	Modern/ Agricultural Features	Significant Features	Artefacts
				throughout trench.	east to south-south-west.		
43	West to east	2.2m by 39.5m	300mm	Firm light orange/brown sand with occasional medium sized stones (004) present throughout trench.	None.	None.	None.
44	West-north-west to east-south-east	2.2m by 52.5m	200mm – 300mm	Firm light orange/brown sand with occasional medium sized stones (004) present throughout trench.	Rubble field drain (003) present at 23m to 24.5m. Orientated north to south. Rubble field drain (003) present at 44m to 44.3m. Orientated north-north-east to south-south-west.	None.	None.
45	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-
47	North-west to south-east	2m by 50m	200mm – 380mm	Firm light orange/brown sand with occasional medium sized stones (004) present throughout trench.	Rubble field drain (003) present at 33.7m to 34.0m. Orientated north-east to south-west. Rubble field drain (003) present at 40.1m to 40.5m. Orientated north-east to south-west.	None.	None.
48	-	-	-	-	-	-	-
49	North-north-east to south-south-west	2m by 41m	300mm – 380mm	Mid-brown/orange clayey silt with frequent sub-rounded and sub-angular medium stones (002) present throughout trench.	None.	None.	None.
50	South to north	2m by 44.2m	270mm-300mm	Firm light orange/brown sand with occasional medium sized stones (004) for 20.0m. Then changes to mid-brown/orange clayey silt with frequent sub-rounded and sub-angular medium stones (002) for remainder of trench.	Rubble field drain (003) present at 2.0m to 6.8m. Orientated south-west to north-east. Rubble field drain (003) also present at 24.0m to 27.0m. Orientated north-west to south-east.	None.	None.

Trench	Orientation	Size	Topsoil Depth	Subsoil Character	Modern/ Agricultural Features	Significant Features	Artefacts
6A	East to west	2.2m by 24.7m	270mm – 300mm	Mid-brown/orange clayey silt with frequent sub-rounded and sub-angular medium stones (002) present throughout trench.	None.	None.	None.

Appendix 2: Registers

Within this appendix are all registers pertaining to works on-site regardless of the process by which that information was gathered (e.g. evaluation or strip, map & sample).

Context Register

Context No.	Area/ Trench	Type	Description	Interpretation
001	All	Deposit	Light orange/brown slightly sandy medium compaction soil with occasional sub-rounded medium sized stones.	Topsoil.
002	Tr.6A; Tr.8; Tr.10; Tr.21; Tr.22; Tr.23; Tr.29; Tr.30; Tr.40; Tr.42; Tr.49; Tr.50	Deposit	Brown/orange clayey silt with frequent sub-rounded and sub-angular medium stones.	Natural subsoil.
003	Tr.17; Tr.18; Tr.19; Tr.21; Tr.25; Tr.26; Tr.27; Tr.28; Tr.44; Tr.47; Tr.50	Feature/Cut	18 th – 19 th century agricultural rubble field drain. Linear in shape, aligned SW-NE. 0.25m wide by 0.20m in depth with abundant medium sized stone fill with fine brown silt.	Agricultural rubble field drain.
004	ALL (exc. 6A, 22, 23, 30, 40 and 49)	Deposit	Firm light orange/brown sand with occasional medium sized stones.	Natural subsoil.
005	Tr.41; Tr.42	Feature/Cut	Linear agricultural ditch roughly aligned NNE-SSW. 1.00m wide and 0.23m in depth. Gentle breaks of slope, gradual sloping sides at east and steeper at west with a rounded base. Fill is firm medium brown silt with occasional small stone inclusions.	Possible agricultural field ditch.
006	Tr.4 Tr.5; Tr.6; Tr.9; Tr.14; Tr.18; Tr.21; Tr.22; Tr.29; Tr.30; Tr.41	Feature/Cut	Linear agricultural field drain aligned NE-SW, u-shaped with sharp break of slope, steep sides and a flat base. Fill is firm mid brown silt with red/orange ceramic drain pipe and occasional small stone inclusions. 0.16m wide and 0.16m in depth.	Modern agricultural field drain.
007	Tr.41	Feature/Cut	Linear modern service ditch aligned NE-SW. 0.62m wide and 0.42m in depth with steep sides and a sharp break of slope. Fill is firm light orange/brown clayey silt including a small pipe 0.06m in diameter and occasional small stones.	Modern service ditch
008	Tr.12	Feature/Cut	Linear agricultural ditch similar to (005) and aligned N-S. 0.60m wide and 0.14m in depth. U-shaped cut with sloping sides and an irregular base. Fill is very light brown fine silt.	Agricultural field ditch.

Context No.	Area/Trench	Type	Description	Interpretation
009	Tr.2	Feature/Cut	Possible stone heave, irregular oval in shape with irregular sides and base. 0.50m wide by 0.70m length by 0.08m in depth. Fill is loose mid brown silt.	Possible stone heave.
010	Tr.3	Feature/Cut	Linear modern service ditch aligned N-S. 0.30m in width and excavated to a depth greater than or equal to 0.30m. Near vertical edges. Fill is loose very soft silt.	Modern service ditch.
011	Tr.33	Feature/Cut	Modern metal/steel drain cover. 0.45m wide and 0.25m in length. Approximately 1.00m south of modern disturbance linear (012).	Modern metal drain cover.
012	Tr.33	Deposit	Modern disturbance linear aligned E-W. 1.00m wide and found approximately 1.00m north of modern steel drain cover (011). Fill is brownish black sandy silt that includes very frequent CBM, modern pottery, ceramic and glass fragments.	Modern disturbance linear.
013	Tr.38	Feature/Cut	Thin modern metal pipe aligned N-S, less than or equal to 0.04m in width.	Modern metal pipe

Photographic Register

Image No.	Digital	Description	From	Date
001	1	Tr. 49, post-excavation	N	04/04/12
002	2	Tr. 50, post-excavation	N	04/04/12
003	3	Tr. 42, post-excavation	NNE	04/04/12
004	4	Tr. 47, post-excavation	NW	04/04/12
005	5	Tr. 42 south-facing section of linear [005]	S	04/04/12
006	6	Shot of rubble drain [003]	SW	04/04/12
007	7	Shot of section of rubble drain [003]	SW	04/04/12
008	8	Tr. 42 south-facing section of linear [005]	N	04/04/12
009	9	Tr. 41, post-excavation	E	04/04/12
010	10	Tr. 41 showing field drain [006]	N	04/04/12
011	11	Tr. 41 showing field drain [007]	SW	04/04/12
012	12	Tr. 41 NE facing section of [007]	SW	04/04/12
013	13	Tr. 41 SW facing section of [007]	NE	04/04/12
014	14	Tr. 40, post-excavation	ESE	04/04/12
015	15	Tr. 32, post-excavation	SW	04/04/12
016	16	Tr. 31, post-excavation	NE	04/04/12

Image No.	Digital	Description	From	Date
017	17	Tr. 30, post-excavation	ESE	04/04/12
018	18	Tr. 29, post-excavation	ENE	04/04/12
019	19	Tr. 22, post-excavation	E	05/04/12
020	20	Tr. 23, post-excavation	W	05/04/12
021	21	Tr. 21, post-excavation	E	05/04/12
022	22	Tr. 14, post-excavation	E	05/04/12
023	23	Tr. 15, post-excavation	E	05/04/12
024	24	Tr. 12, post-excavation	SE	05/04/12
025	25	Field drain [008]	SSE	05/04/12
026	26	Tr. 13, post-excavation	SW	05/04/12
027	27	Tr. 8, post-excavation	NE	05/04/12
028	28	Tr. 7, post-excavation	E	05/04/12
029	29	Tr. 6, post-excavation	E	05/04/12
030	30	Tr. 1, post-excavation	SW	05/04/12
031	31	Tr. 2, post-excavation	SW	05/04/12
032	32	Tr. 3, post-excavation	SW	05/04/12
033	33	Tr. 4, post-excavation	W	05/04/12
034	34	Tr. 5, post-excavation	W	10/04/12
035	35	Tr. 9, post-excavation	NE	10/04/12
036	36	Tr. 11, post-excavation	NNE	10/04/12
037	37	Tr. 16, post-excavation	W	10/04/12
038	38	Tr. 10, post-excavation	SSW	10/04/12
039	39	Tr. 18, post-excavation	WSW	10/04/12
040	40	Tr. 17, post-excavation	W	10/04/12
041	41	Tr. 20, post-excavation	WSW	10/04/12
042	42	Tr. 19, post-excavation	NNW	10/04/12
043	43	Tr. 23, post-excavation	E	10/04/12
044	44	Tr. 24, post-excavation	W	10/04/12
045	45	Tr. 25, post-excavation	W	10/04/12
046	46	Tr. 26, post-excavation	W	10/04/12
047	47	Tr. 27, post-excavation	ENE	10/04/12
048	48	Tr. 28, post-excavation	ENE	10/04/12
049	49	Tr. 32, post-excavation	NNE	10/04/12
050	50	Tr. 33, post-excavation	N	10/04/12
051	51	Tr. 34, post-excavation	S	10/04/12
052	52	Tr. 35, post-excavation	SW	11/04/12

Image No.	Digital	Description	From	Date
053	53	Tr. 36, post-excavation	NW	11/04/12
054	54	Tr. 37, post-excavation	E	11/04/12
055	55	Tr. 38, post-excavation	E	11/04/12
056	56	Tr. 39, post-excavation	E	11/04/12
057	57	Tr. 43, post-excavation	W	11/04/12
058	58	Tr. 44, post-excavation	WNW	11/04/12
059	59	Tr. 6A, post-excavation	E	11/04/12
060	60	General working shot	W	11/04/12
061	61	General working shot	W	11/04/12
062	62	General working shot	W	11/04/12

Drawing Register

Drawing No.	Sheet No.	Area/ Trench	Drawing Type	Scale	Description	Drawer	Date
1	1	49	Plan	1:100	Tr. 49	CH	04/04/12
2	1	50	Plan	1:100	Tr. 50	CH	04/04/12
3	1	42	Plan	1:100	Tr. 42	CH	04/04/12
4	1	47	Plan	1:100	Tr. 47	CH	04/04/12
5	1	41	Plan	1:100	Tr. 41	CH	04/04/12
6	1	40	Plan	1:100	Tr. 40	CH	04/04/12
7	1	31	Plan	1:100	Tr. 31	CH	04/04/12
8	1	30	Plan	1:100	Tr. 30	CH	04/04/12
9	1	29	Plan	1:100	Tr. 29	CH	04/04/12
10	2	22	Plan	1:100	Tr. 22	SM	05/04/12
11	2	23	Plan	1:100	Tr. 23	SM	05/04/12
12	2	21	Plan	1:100	Tr. 21	SM	05/04/12
13	2	14	Plan	1:100	Tr. 14	SM	05/04/12
14	2	15	Plan	1:100	Tr. 15	SM	05/04/12
15	2	12	Plan	1:100	Tr. 12	SM	05/04/12
16	2	13	Plan	1:100	Tr. 13	SM	05/04/12
17	2	8	Plan	1:100	Tr. 8	SM	05/04/12
18	3	7	Plan	1:100	Tr. 7	SM	05/04/12
19	3	6	Plan	1:100	Tr. 6	SM	05/04/12
20	3	1	Plan	1:100	Tr. 1	SM	05/04/12
21	3	2	Plan	1:100	Tr. 2	SM	05/04/12

Drawing No.	Sheet No.	Area/ Trench	Drawing Type	Scale	Description	Drawer	Date
22	3	3	Plan	1:100	Tr. 3	SM	05/04/12
23	3	4	Plan	1:100	Tr. 4	SM	05/04/12
24	3	5	Plan	1:100	Tr. 5	SM	10/04/12
25	3	9	Plan	1:100	Tr. 9	SM	10/04/12
26	4	11	Plan	1:100	Tr. 11	SM	10/04/12
27	4	16	Plan	1:100	Tr. 16	SM	10/04/12
28	4	10	Plan	1:100	Tr. 10	SM	10/04/12
29	4	18	Plan	1:100	Tr. 18	SM	10/04/12
30	4	17	Plan	1:100	Tr. 17	SM	10/04/12
31	4	20	Plan	1:100	Tr. 20	SM	10/04/12
32	4	19	Plan	1:100	Tr. 19	SM	10/04/12
33	4	23	Plan	1:100	Tr. 23	SM	10/04/12
34	4	24	Plan	1:100	Tr. 24	SM	10/04/12
35	5	25	Plan	1:100	Tr. 25	SM	10/04/12
36	5	26	Plan	1:100	Tr. 26	SM	10/04/12
37	5	27	Plan	1:100	Tr. 27	SM	10/04/12
38	5	28	Plan	1:100	Tr. 28	SM	10/04/12
39	5	32	Plan	1:100	Tr. 32	SM	10/04/12
40	5	33	Plan	1:100	Tr. 33	SM	11/04/12
41	5	34	Plan	1:100	Tr. 34	SM	11/04/12
42	5	35	Plan	1:100	Tr. 35	SM	11/04/12
43	5	36	Plan	1:100	Tr. 36	SM	11/04/12
44	6	37	Plan	1:100	Tr. 37	SM	11/04/12
45	6	38	Plan	1:100	Tr. 38	SM	11/04/12
46	6	39	Plan	1:100	Tr. 39	SM	11/04/12
47	6	43	Plan	1:100	Tr. 43	SM	11/04/12
48	6	44	Plan	1:100	Tr. 44	SM	11/04/12
49	6	6A	Plan	1:100	Tr. 6A	SM	11/04/12

Appendix 3: Discovery & Excavation in Scotland

LOCAL AUTHORITY:	Renfrewshire
PROJECT TITLE/SITE NAME:	Bishopton Royal Ordnance Factory
PROJECT CODE:	RA10002
PARISH:	Erskine
NAME OF CONTRIBUTOR:	Douglas Gordon
NAME OF ORGANISATION:	Rathmell Archaeology Limited
TYPE(S) OF PROJECT:	Evaluation
NMRS NO(S):	None
SITE/MONUMENT TYPE(S):	None
SIGNIFICANT FINDS:	None
NGR (2 letters, 6 figures)	NS 4172 7041
START DATE (this season)	2 nd April 2012
END DATE (this season)	11 th April 2012
PREVIOUS WORK (incl. DES ref.)	Yes
MAIN (NARRATIVE) DESCRIPTION: (may include information from other fields)	<p>A programme of archaeological works was required by BAE Systems PLC in respect to the remediation and enabling development of the Bishopton Royal Ordnance Factory. These archaeological works were designed to mitigate the impact on archaeological remains within the area designated LQMA04 of the overall development area.</p> <p>No significant archaeological remains were located within the area and no anthropic material was recovered other than would suggest modern (19th and 20th century) use of the site. Those few features which were uncovered related either to attempts to improve the area as agricultural land or from a mid 20th century structure that had been situated in the centre of the site.</p>
PROPOSED FUTURE WORK:	None
CAPTION(S) FOR ILLUSTRS:	None
SPONSOR OR FUNDING BODY:	BAE Systems Plc
ADDRESS OF MAIN CONTRIBUTOR:	Unit 8 Ashgrove Workshops, Kilwinning, Ayrshire KA13 6PU
E MAIL:	contact@rathmell-arch.co.uk
ARCHIVE LOCATION (intended/deposited)	Report to West of Scotland Archaeology Service and archive to RCAHMS Collections.

Contact Details

22. Rathmell Archaeology can be contacted at our Registered Office or through the web:
- | | |
|---------------------------|--|
| Rathmell Archaeology Ltd | www.rathmell-arch.co.uk |
| Unit 8 Ashgrove Workshops | |
| Kilwinning | t.: 01294 542848 |
| Ayrshire | f.: 01294 542849 |
| KA13 6PU | e.: contact@rathmell-arch.co.uk |
23. The West of Scotland Archaeology Service can be contacted at their office or through the web:
- | | |
|--------------------------------------|--|
| West of Scotland Archaeology Service | www.wosas.org.uk |
| Charing Cross Complex | |
| 20 India Street | t.: 0141 287 8332/3 |
| Glasgow | f.: 0141 287 9259 |
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