

FELLOWS

The UXO risk management experts

Part of the Optima Group



Preliminary Unexploded Ordnance Risk Assessment

In Accordance with CIRIA Report C681

FIL Reference: XXXX

Client: XXXXX

Project: XXXXX

Site Location: XXXXX

Report date: 19 November 2018



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1. Introduction

The site is situated to on the eastern edge of XXXXX within the Newark and Sherwood districts of Nottinghamshire and covers an area of approximately 0.2 hectares. XXXXX is a former mining village. The village itself is situated to the west of the site.

The purpose of this Preliminary UXO Risk Assessment is to establish the likelihood of encountering UXO on site. If a UXO risk is identified, risk mitigation recommendations can be provided to allow the client to make an informed decision as to future procedures which will reduce the UXO risk to as low as reasonably practicable (ALARP).

2. Enemy Bombing Activity

Throughout WW2, Luftwaffe bombing raids were primarily focused on military and industrial targets. Major infrastructure was another key target and train stations, major road links and docks were frequently bombed throughout the war. As the war progressed, general urban bombing became frequent. The majority of air raids were conducted against major cities due to the concentration of industry and high population density.

As well as targeting factories, cities and military targets, the Luftwaffe frequently searched for Allied production facilities such as collieries, oil wells and mines.

3. Bombing activity around the site

While there was no formal military targets on the site or within the village, the Luftwaffe used aerial reconnaissance to investigate the colliery to the north. In 1939, oil was discovered in the fields adjacent, approximately 2.2km northeast of the site and the Luftwaffe became aware of the drilling operations occurring here at the time. Despite this, records indicate that the Luftwaffe were unsuccessful in the bombing and hit the nearby village of XXXXX, approximately 5km to the south, by mistake.

4. British Defensive Positions (AA Sites, Airfields & Decoy Sites)

Anti-Aircraft Artillery

There were no British anti-aircraft emplacements within 5km of the site. Due to the proximity of the AAA sites, there is a risk from unexploded fall-to-earth AA projectiles.

Decoy Sites

Decoy sites were used to draw enemy air raids away from civilian and military targets by mimicking these legitimate targets through the use of fire, mirrors and mock buildings.

There were no decoy sites within 5km of the site boundaries. The surrounding area was predominantly rural.

Military Airfields

Military airfields were primary Luftwaffe targets. They were often raided to prevent the RAF from gaining air superiority by destroying the aircraft, hangers and runway.

There were no military airfields within 5km of the site boundaries.

Other Military use

An old practice trench system is present approximately 4.7km northwest of the site. Records indicate its construction in 1915 for training during WW1.

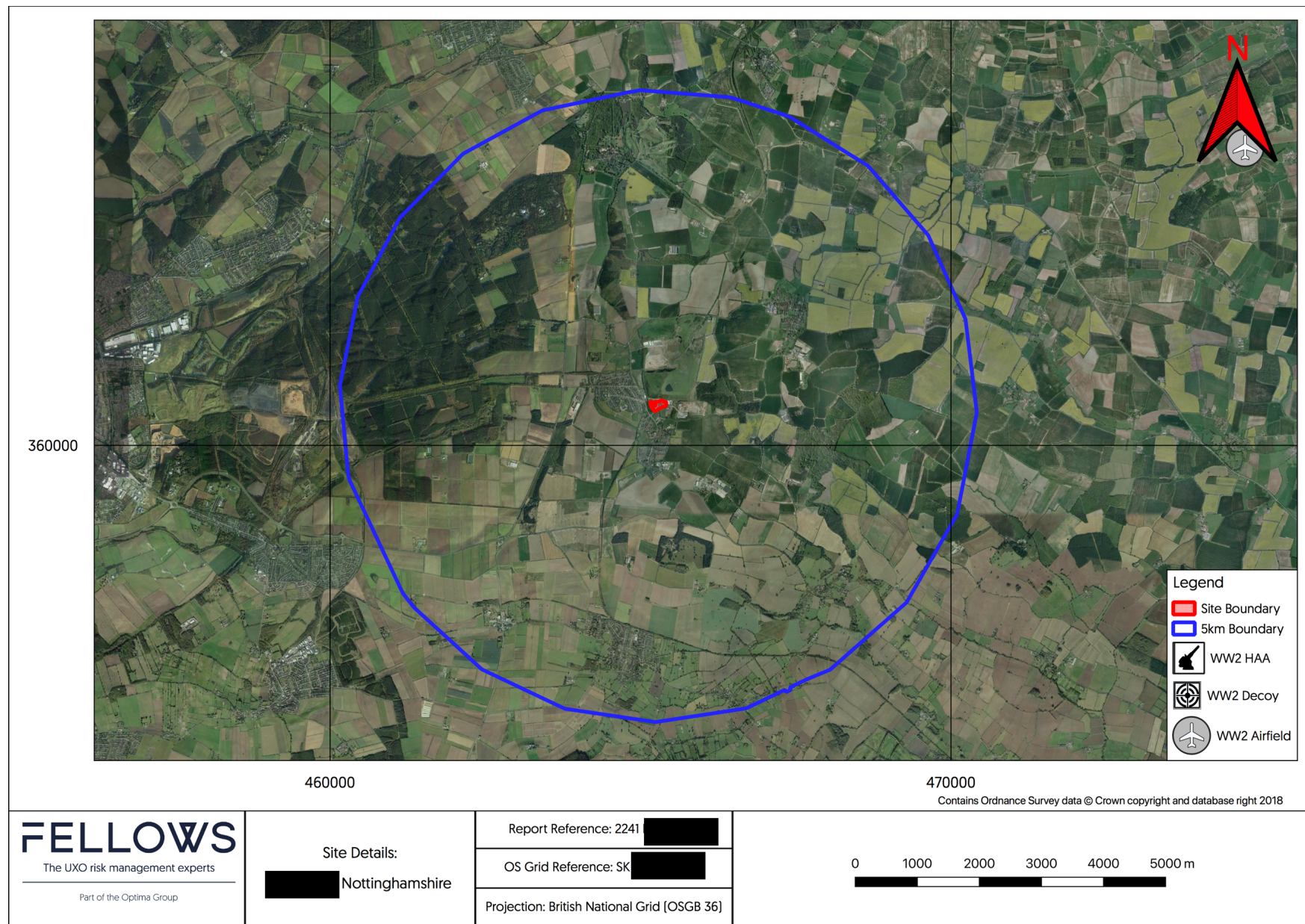


Figure 1. Showing the site in relation to Decoy Sites and Anti-aircraft emplacements. [Google, 2018]

5. Risk Assessment

There is evidence in the public domain that shows the site has been affected by military activity in the past, therefore the risk of encountering Unexploded Ordnance (UXO) has been assessed as:

UXO	RISK
German air dropped weapons	Low
British Anti-Air defensive munitions	Low
Other (Land service Ammunition / Home guard / Military Training)	Low

6. Summary and Risk Mitigation recommendations

The risk of encountering UXO has been assessed as medium for air dropped weapons and medium for other munitions, therefore the following risk mitigation options are recommended for this site:

1. A UXO Awareness Briefing is recommended to be given to all site personnel prior to intrusive engineering works commencing.

Fellows International Ltd would be pleased to offer a proposal with quotation to undertake these works and any further UXO risk management required for this project.

A copy of this document should be kept within the projects H&S files.

This assessment has been produced for XXXXXX and has been completed without the benefit of knowing the exact intentions of third parties and should therefore not be used by such organisations without prior consultation with Fellows International Ltd (Fellows).

Our assessment relies upon the accuracy of the information contained in the documents and resources consulted on the date of production. Fellows can in no way be held responsible for the accuracy of such information or data supplied or for any hazard encountered at the site due to import of materials after this date.

Fellows is recognised as one of the leading UXO Risk Management companies specialising in UXO Risk Assessments, Site Survey, Ground Investigation Support and UXO Awareness Training.

Conducting these operations requires not only the most experienced field staff, but also dedicated and experienced project management. Careful planning and co-ordination is needed from start to finish, backed up by detailed operational procedures. With many years' experience, Fellows has built up a reputation for reliability, whatever the risk. In recognition of its commitment to quality has been awarded ISO 9001-2015 accreditation.

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