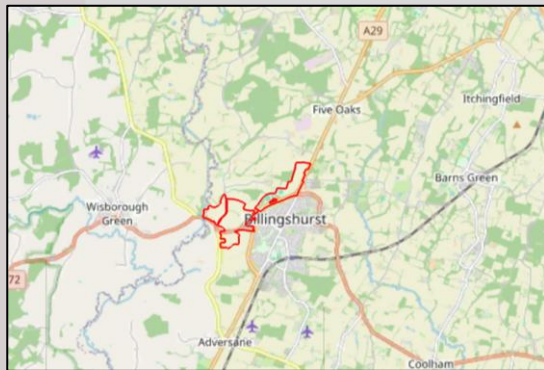
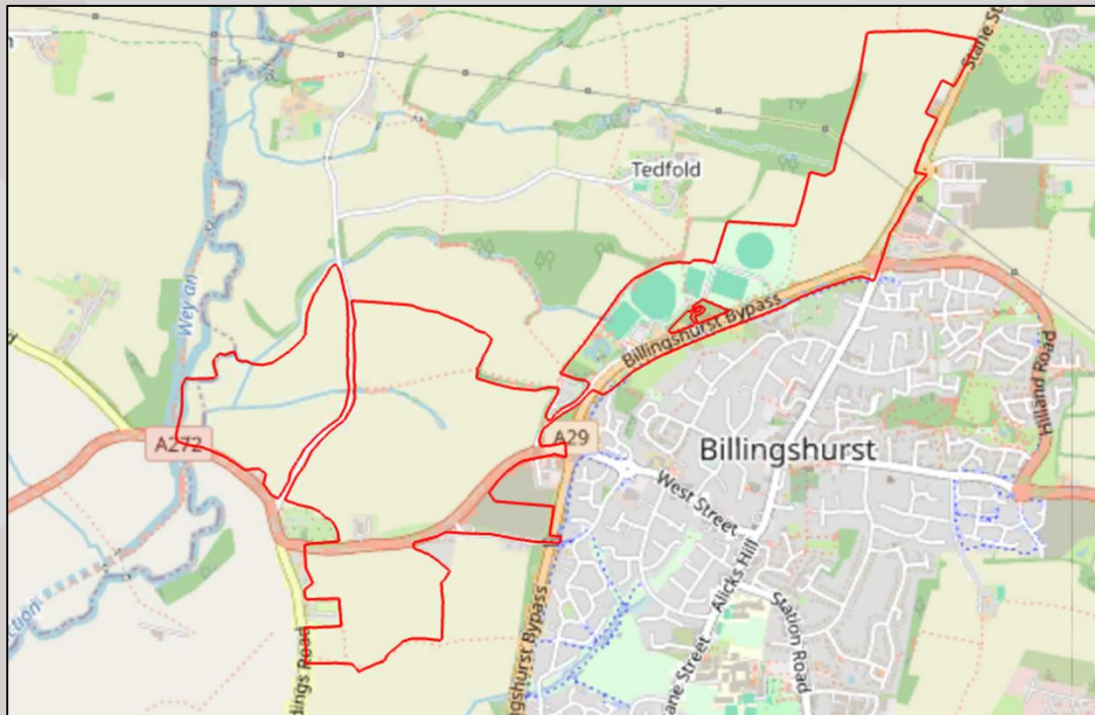


RMS UXO

Preliminary Unexploded Ordnance (UXO) Risk Assessment



RMS UXO PROJECT NUMBER	INO6067	AUTHOR	H. Merritt
VERSION NUMBER	001	Reviewed and Approved By	K. Kneebone
CLIENT	Ground Condition Consultants Ltd	Issue Date	14/11/2025
SITE	Newbridge Park, Billingshurst		
RECOMMENDATION	Further Assessment Recommended - Detailed UXO Risk Assessment		

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UK UXO Risk Mitigation Process

CIRIA 681 Phases

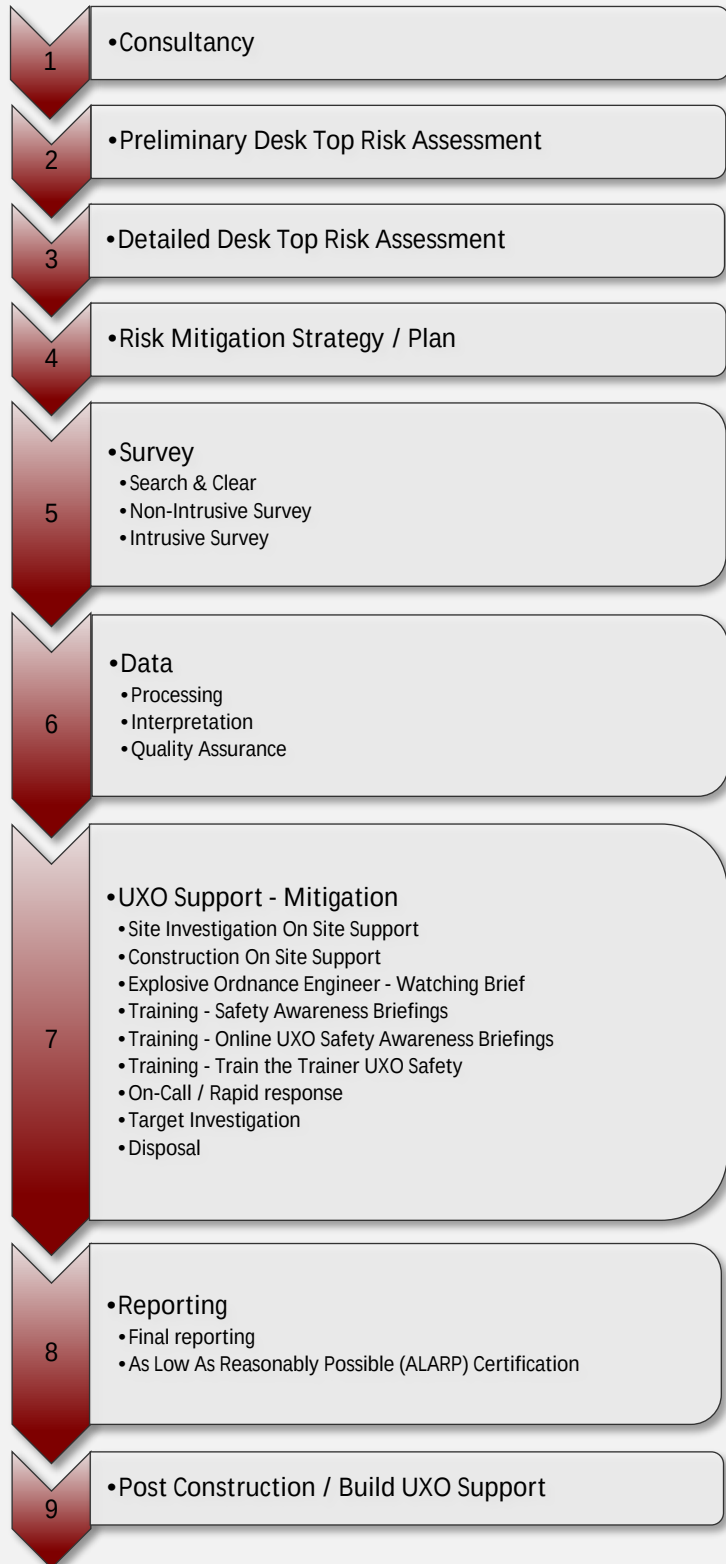
RMS UXO Detailed Phases

1. Preliminary Risk Assessment

2. Detailed Risk Assessment

3. Risk Mitigation

4. Implementation



Purpose of Assessment

This Preliminary UXO Risk Assessment serves as a qualitative screening tool to evaluate the likelihood of encountering unexploded ordnance (UXO). The assessment takes into account the basic factors impacting the potential presence of UXO, as detailed in Stage One of the CIRIA UXO risk management process, to provide an informed understanding of the associated risks at the site.

Location

The site is situated in Billingham and is approximately centred on the National Grid Reference: TQ 07597 26042. Approximately 980m north-west of Billingham Station.

Background

This assessment, undertaken by RMS UXO Limited, (RMS UXO), serves as an initial analysis aimed at understanding the potential risks associated with unexploded ordnance (UXO). The assessment is conducted following the guidelines specified by CIRIA C681, "Unexploded Ordnance, a Guide for the Construction Industry".

The data compilation and analysis have been carried out by a team of UXO specialists at RMS UXO. Various resources have been used for this assessment; including but not limited to, extensive historical archives, comprehensive library documents, unique geo-databases, and other online materials.

The assessment is structured around the following key aspects to provide a preliminary understanding of the UXO risk profile for the site:

- Primary site Information
- Former Military Involvement
- Indicators of potential aerial dropped UXO threats
- Assessment of any Risk Reduction Factors
- Overview of Proposed Intrusive Activities
- Need for Extended Investigation

The main objective is to identify any need for a more Detailed UXO Risk Assessment. This preliminary analysis aims to go through the basic risk factors associated with UXO at the site, serving as a practical 'initial move' in the UXO risk management process. The report and its conclusions will be based on preliminary research from RMS UXO's team at the time of production.

Considerations

History of Military Activity	Geodata cross-referencing indicate a significant level of Allied military activity in close proximity to the site, including an Allied defensive line adjacent to the boundary, Prisoner of War camp, and an EOC task.
Pre-WWII History	Pre-WWII mapping show that the site consisted of undeveloped open ground.
Post-WWII History	Post-WWII mapping shows that the site retained its pre-war composition, post-war aerial photography confirms this.
WWII Air Raid Activity	Overall, the Rural District of Horsham, (as designated during WWII) sustained a low level of bombing. An average of 6.5 items of ordnance were recorded per 1,000 acres; this does not include incendiary bomb 'showers'. There are no recorded bomb strikes on site.
Bomb Damage	Bomb damage mapping is unavailable for the area of Billingham.

Site Access	The site is anticipated to have received a low level of access due to the undeveloped nature of the site. Furthermore, this would have decreased significantly during any bombing raids and would have depended on the overall usage of the site.
Post War Development	Recent aerial photography of the site appears to show a low level of development. However, this includes the construction of hardstanding roads to the site east and south by 1999.
Proposed Works	RMS UXO were not aware of any future site works at the time of writing the report.

Conclusions

Based on the research undertaken, there are multiple recorded Allied defensive features in very close proximity to the site, this is coupled with a Prisoner of War camp and EOC tank in proximity. Therefore, there is a potential risk posed by UXO the extent of which needs clarification.

Recommendations

As per CIRIA C681 the Preliminary UXO Risk Assessment aims to evaluate the potential risk from UXO, based on historical data including wartime bombing records. Recommendations suggest advancing to a Detailed UXO Risk Assessment per CIRIA guidelines for a thorough examination of wartime conditions in the anticipated work area. This entails obtaining local bombing records, WWII-era aerial imagery, and other historical data. Before, or instead of a Detailed Assessment, implementing UXO Risk Mitigation Measures for planned intrusive works is advisable.

Should the client possess any subjective or data-driven insights into UXO risks on-site, contacting RMS UXO is encouraged.

This report has been constructed with professional thought and care by RMS UXO. Historical data has been meticulously collected and reviewed from third party sources. The validity of this information has been checked to the best of our ability, but RMS UXO holds no accountability for errors resulting from missing or incomplete information. Moreover, despite best efforts to compile a comprehensive historical dataset RMS UXO disclaims responsibility for any subsequent modifications to risk evaluations or mitigation proposals that may be necessitated by the discovery of additional information post factum.



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