

# GEOPHYSICAL TARGET CONFIRMATORY REPORT – CONFIRMED UXO

| Target ID | Easting (m) | Northing (m) | Confirmed UXO Item   | Exclusion Zone |
|-----------|-------------|--------------|----------------------|----------------|
| MC699     | 568624.97   | 6317569.30   | British buoyant mine | 25m            |

*Table 1 – Confirmed UXO*

|                                      |                                  |
|--------------------------------------|----------------------------------|
| <b>Client</b>                        | Cobra Wind                       |
| <b>Project Name</b>                  | Kincardine Offshore Wind Farm    |
| <b>Project Number</b>                | JM5657                           |
| <b>Report Number</b>                 | JM5657_Kincardine_TCR_MC699_V1.0 |
| <b>Date of initial Investigation</b> | 19-05-2020                       |
| <b>References</b>                    | -                                |

## 1. Purpose

The purpose of this document is to summarise the details of the confirmed item of unexploded ordnance (UXO) and provide an overarching summary of UXO risk management actions associated with this item in particular and the wider project in general. This document may be sent to relevant 3rd parties.

## 2. Geophysical Target Information

### Original Target Data

|                |       |                     |     |                                |          |                     |        |
|----------------|-------|---------------------|-----|--------------------------------|----------|---------------------|--------|
| <b>Target:</b> | MC699 | <b>Target Type:</b> | MAG | <b>Target Characteristics:</b> | 627.70nT | <b>Water Depth:</b> | 67.79m |
|----------------|-------|---------------------|-----|--------------------------------|----------|---------------------|--------|

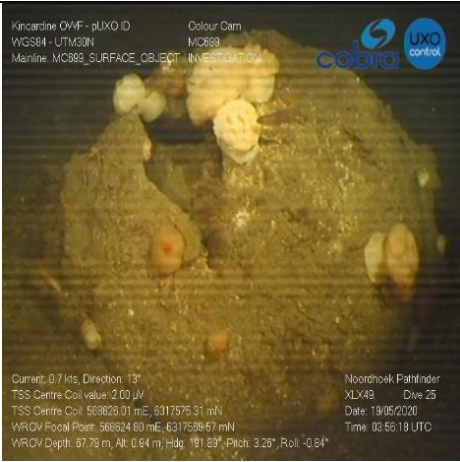
| As Surveyed Coordinates<br>(ETRS'89 UTM 31) |          | As Found/Left Coordinates<br>(ETRS'89 UTM 31) |            | As Found/Left Coordinates<br>(Lat/Long DMS DD°MM'SS) |                 |
|---|----------|---|------------|--|-----------------|
| Easting                                     | Northing | Easting                                       | Northing   | Latitude   | Longitude       |
| 568626.1                                    | 6317570  | 568624.97                                     | 6317569.30 | 56° 59' 47.58"N                                      | -1° 52' 13.46"W |

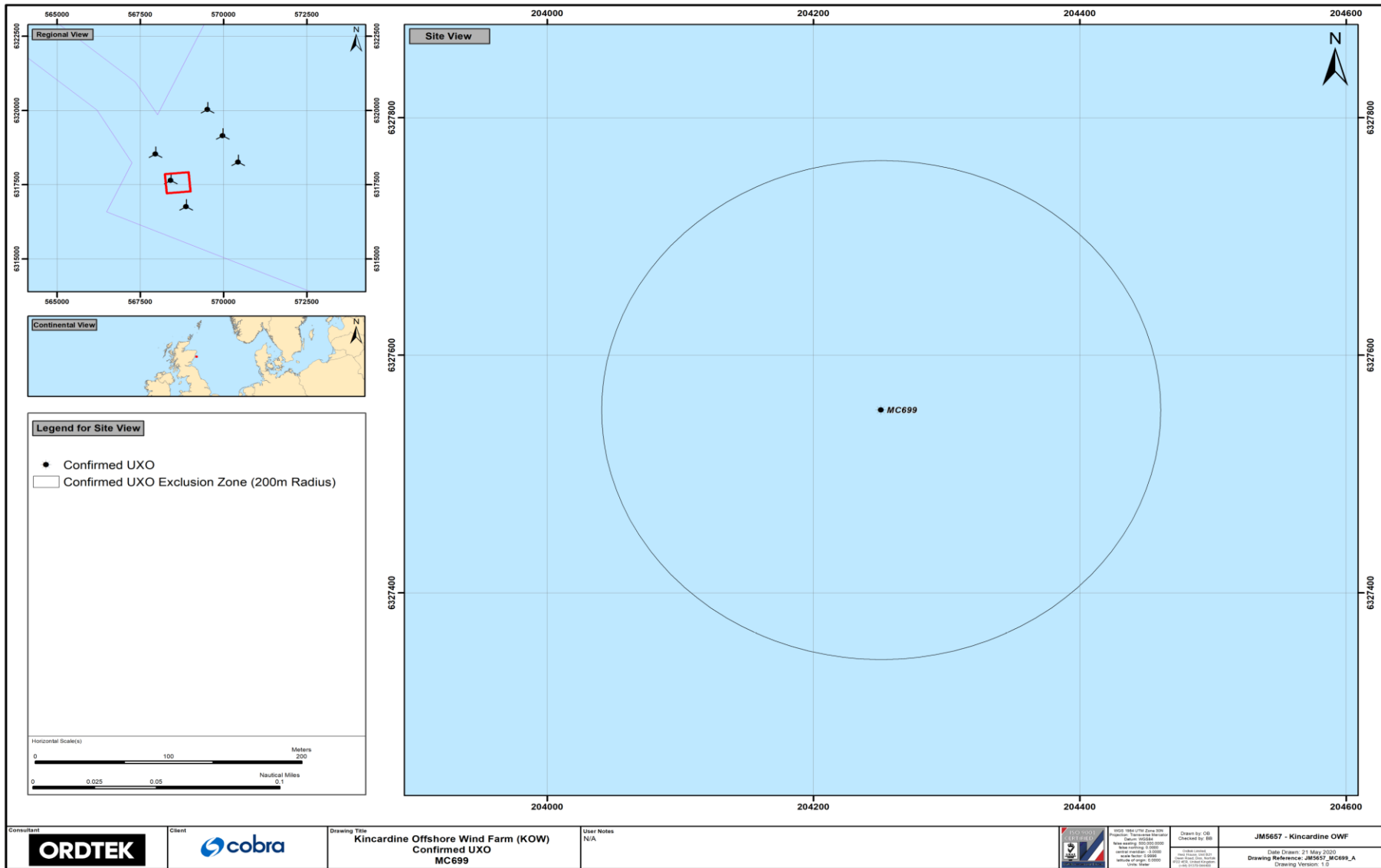
## 3. Object and UXO Detail

### Object Details

|                             |  |
|-----------------------------|--|
| <b>Target Found by ROV?</b> | Yes  |
| <b>Target Description:</b>  | The item is thought to be a British moored, contact mine. It appears to be in a stable condition and is resting proud of the seabed. WWII minefield records suggest that it is most likely either a Mk XX (antenna) or Mk XVII (switch horn) mine. The base plate and mooring wires can be seen. The mine casing is substantially corroded, with two large holes visible. The internal charge case appears to be present but this cannot be confirmed without further close investigation. If it is intact, the NEQ could be 227kg or 145kg of HE, depending on the variation. |

Target Confirmatory Report Kincardine 1

|  |   |                                     |
|--|---|-------------------------------------|
| <p><b>Key Imagery</b></p>  |    |                                     |
| <p><b>Is the item confirmed UXO?</b></p>                               | <p>Yes</p>  |                                     |
| <p><b>Object Dimensions:</b></p>                                       | <p>Shape including ends:</p>  | <p>Capsular</p>                     |
|  | <p>Length:</p>  | <p>1.40m</p>                        |
|  | <p>Diameter:</p>  | <p>1.10m</p>                        |
|  | <p>Height:</p>  | <p>NA</p>                           |
|  | <p>Other features:</p>  | <p>Possible charge case visible</p> |
|  | <p>Generic Ordnance Classification (if applicable):</p>   | <p>British Moored Mine</p>          |
| <p><b>Sufficient Data received from ROV Inspection Contractor?</b></p> | <p>Yes</p>  |                                     |
| <p><b>Temporary Exclusion Zone for Notice to Mariners</b></p>          | <p>In the interim period prior to disposal, all seafarers are advised to avoid the item's location by a 200m radius. A larger safety distance may be implemented during positive EOD operations. Should further advice be required for Notice to Mariners, please contact Ordtek.</p> |                                     |
| <p><b>Temporary Marking</b></p>  | <p>Ordtek are not aware of a requirement to mark out the UXO item with a buoy.</p>  |                                     |
| <p><b>Recommendations</b></p>  | <p>Ordtek would consider it acceptable and in accordance with the ALARP principle to leave the item in situ and avoid by 25m.</p>   |                                     |



Consultant  
**ORDTEK**

Client  
**cobra**

Drawing Title  
**Kincardine Offshore Wind Farm (KOW)  
Confirmed UXO  
MC699**

User Notes  
N/A

Approved  
**ORDTEK**

1:5000 Scale/1:500 Scale  
Drawing Date: 21 May 2020  
Drawing Reference: JM5657\_MC699\_A  
Drawing Version: 1.0

Drawn by: OB  
Checked by: BB

**JM5657 - Kincardine OWF**  
Date Drawn: 21 May 2020  
Drawing Reference: JM5657\_MC699\_A  
Drawing Version: 1.0

