

Rosefield Solar Farm

Environmental Statement

Volume 3
Chapter 16: Water Figures

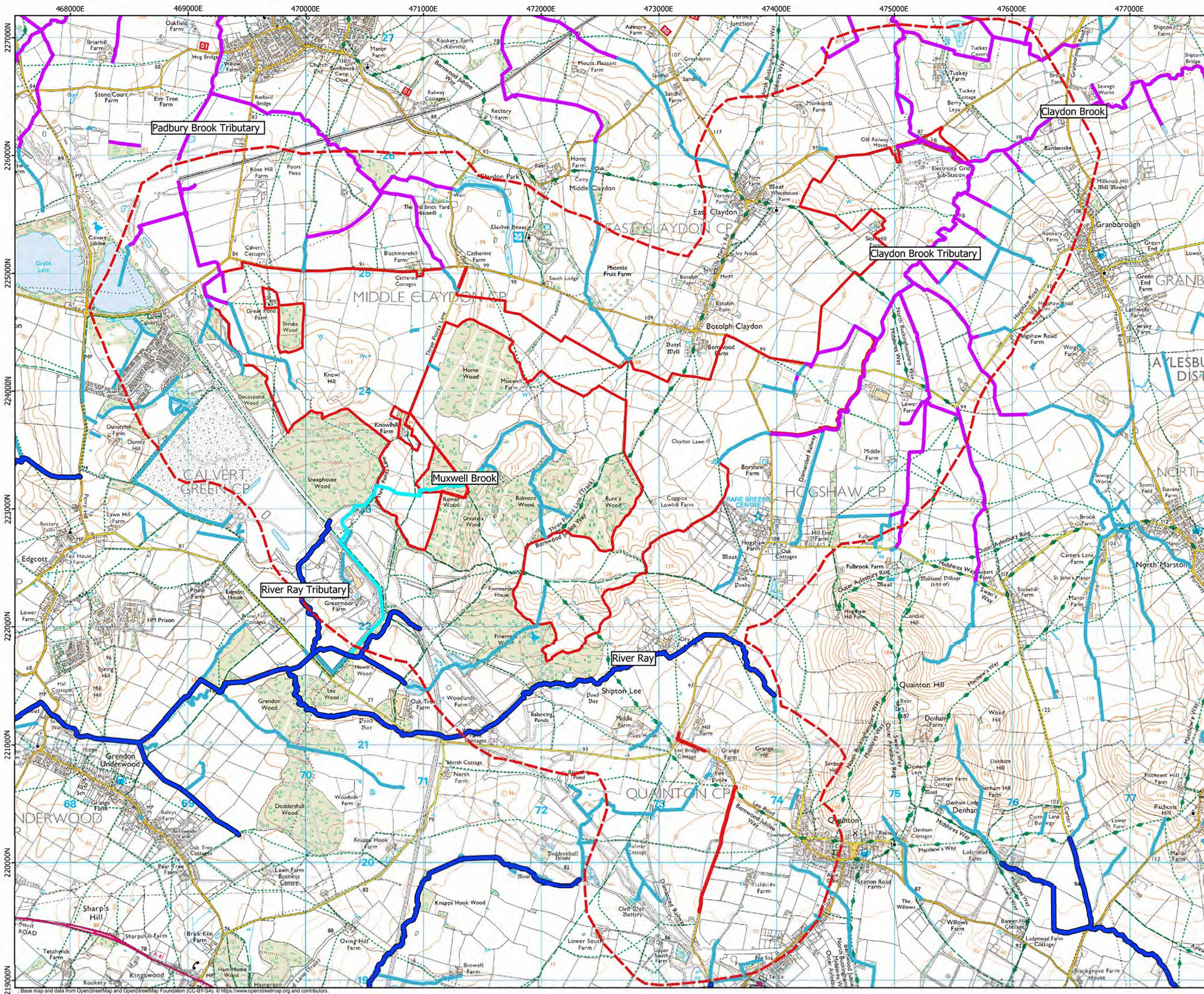
APFP Regulation 5(2)(a) and 5(2)(l)
Planning Act 2008
Infrastructure Planning
(Applications: Prescribed Forms
and Procedure) Regulations 2009
EN010158/APP/6.3
September 2025
Rosefield Energyfarm Limited



ES Volume 3: Figures

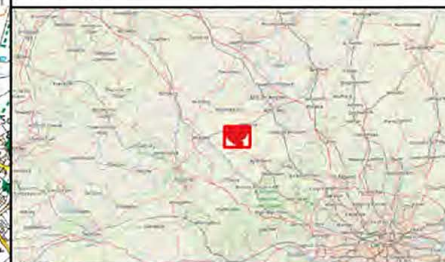
Chapter 16: Water

Drawing number	Revision number	Drawing title	Scale
16.1	01	Watercourses	1:30,000 @ A3
16.2	01	Environment Agency Flood Zones	1:30,000 @ A3
16.3	01	Environment Agency Risk of Surface Water Flooding	1:30,000 @ A3
16.4a	01	Fluvial Modelling of Claydon Brook Tributary (Depth)	1:12,500 @ A3
16.4b	01	Fluvial Modelling of Claydon Brook Tributary (Extent)	1:12,500 @ A3
16.5a	01	Pluvial Modelling of Claydon Brook Tributary (Depth)	1:25,000 @ A3
16.5b	01	Pluvial Modelling of Claydon Brook Tributary (Extent)	1:25,000 @ A3
16.6	01	WFD Waterbodies and Catchments	1:30,000 @ A3



- LEGEND:
- Order Limits
 - 1km Buffer Area
 - EA Main River (Primary)
 - Ordinary Watercourse (Secondary)
 - Ordinary Watercourse (Tertiary)
 - Internal Drainage Board Maintained Watercourses

CRS: EPSG:27700
Projection: Transverse Mercator
Ellipsoid: EPSG:7001
Units: meters



01	Sept 2025	DCO Submission	RSK	RSK	EDF
Rev	Date	Description	Drm	Chk	App

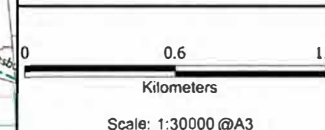
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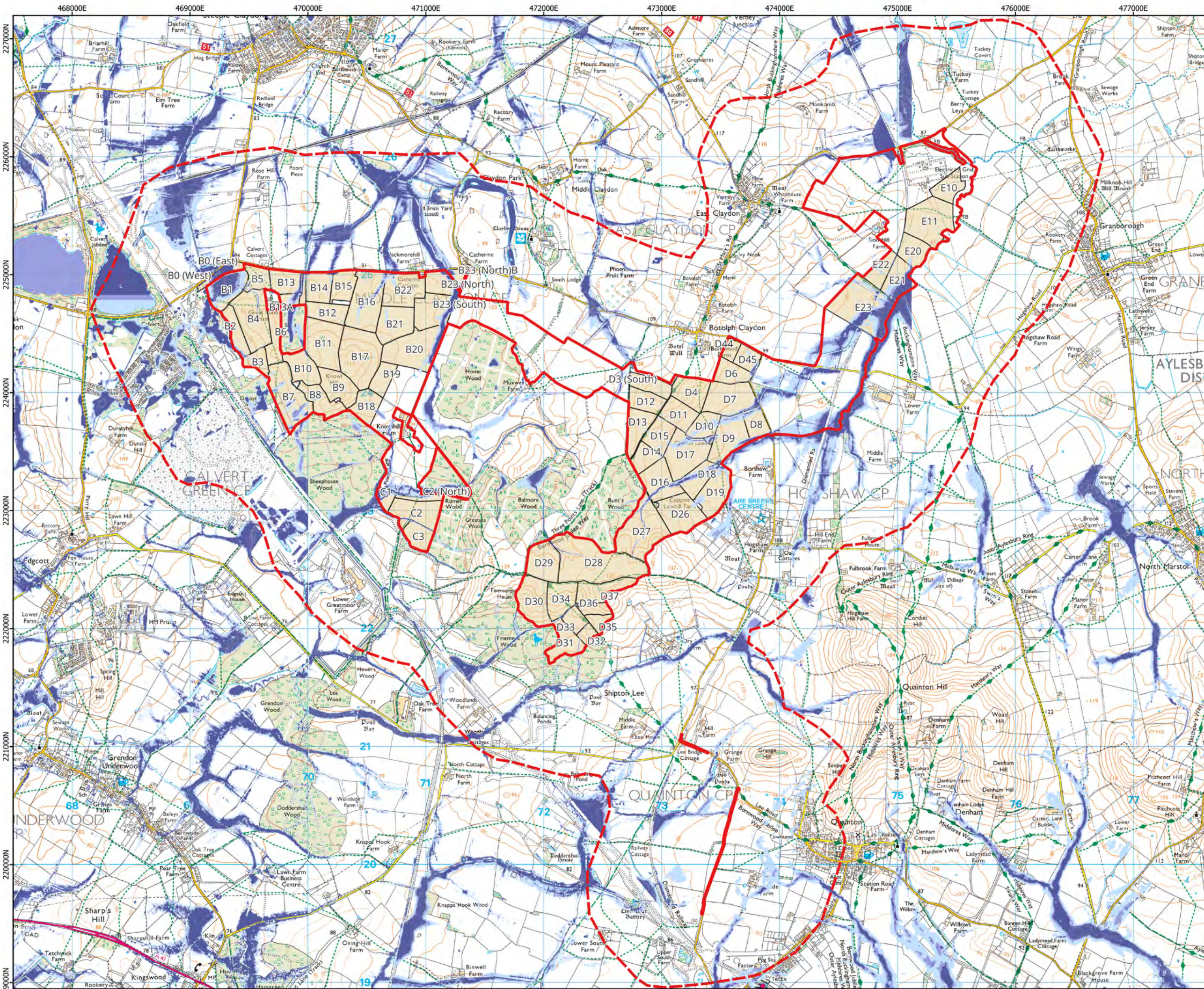


DOCUMENT:
ENVIRONMENTAL STATEMENT, VOLUME
3: FIGURES, REGULATION 5(2)(I)

TITLE:
FIGURE 16.1: WATERCOURSES

PINS REFERENCE NUMBER:
EN010158/APP/6.3





LEGEND:

- Order Limits
- 1km Buffer Area
- EA Risk of Surface Water Flooding**
- High (3.3% AEP)
- Medium (1.0% AEP)
- Low (0.1% AEP)

CRS: EPSG:27700
Projection: Transverse Mercator
Ellipsoid: EPSG:7001
Units: meters



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Rev	Date	Description	Drm	Chk	App

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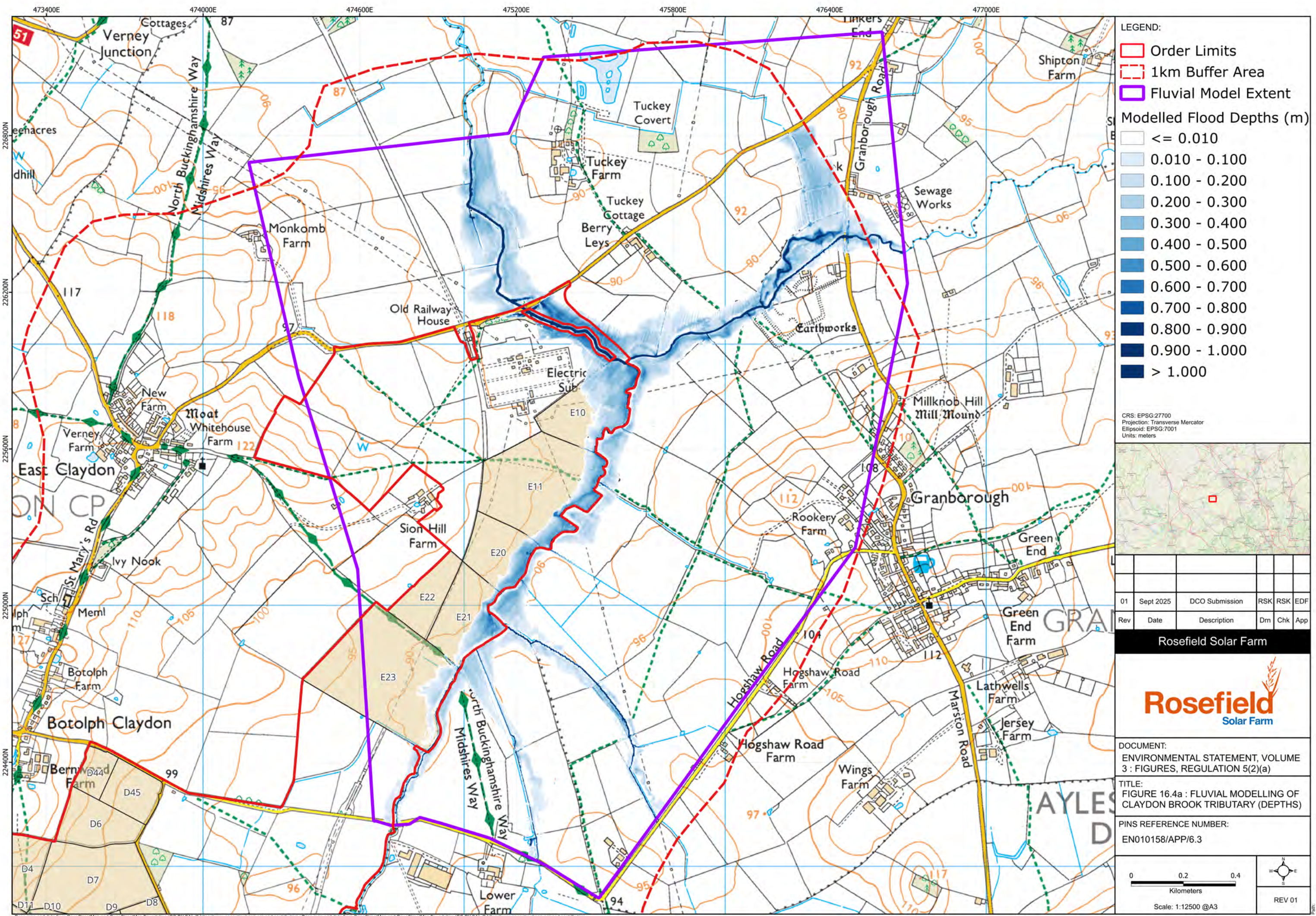


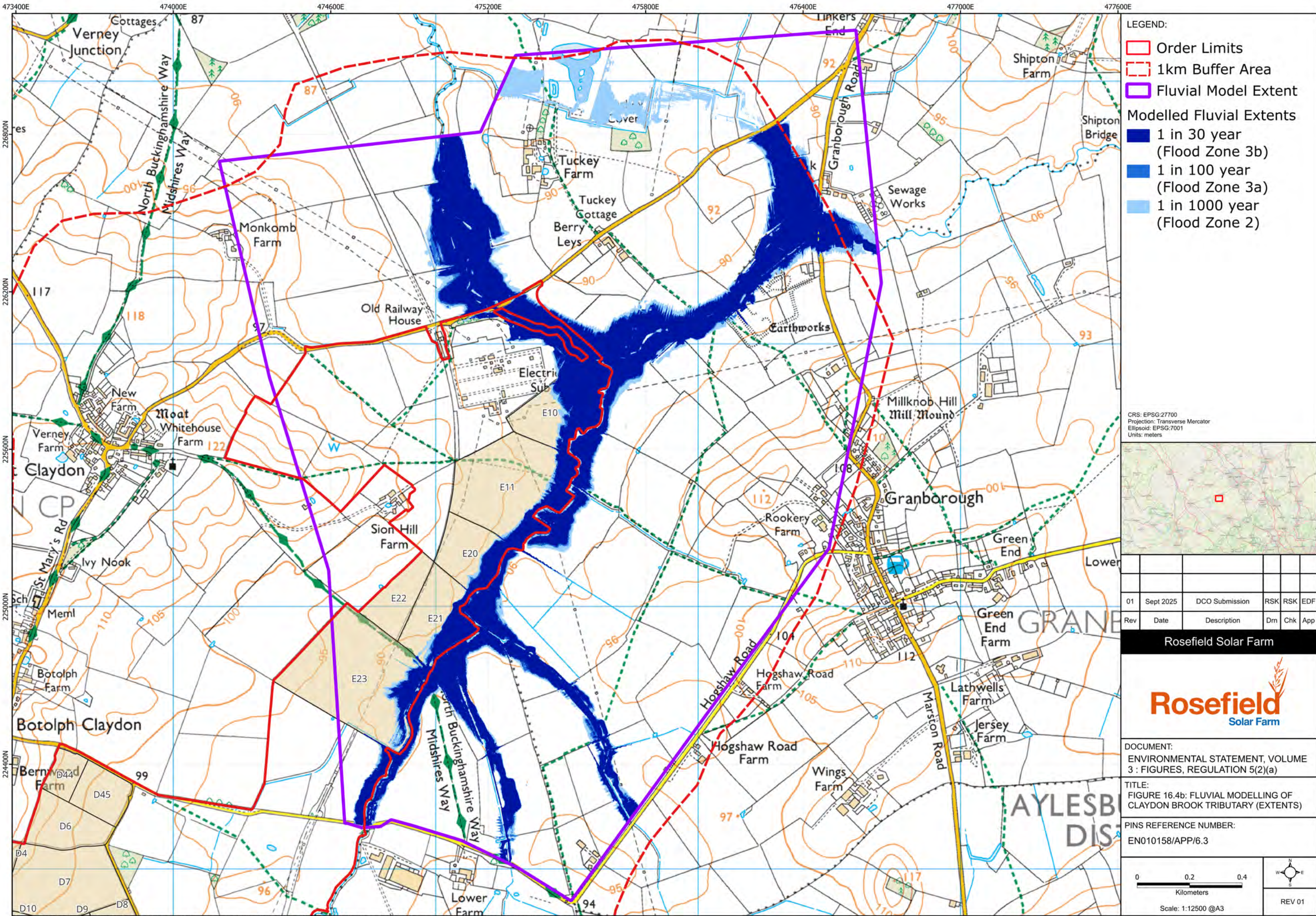
DOCUMENT:
ENVIRONMENTAL STATEMENT, VOLUME
3 : FIGURES, REGULATION 5(2)(a)

TITLE:
FIGURE 16.3 ENVIRONMENT AGENCY RISK OF
SURFACE WATER FLOODING

PINS REFERENCE NUMBER:
EN010158/APP/6.3

REV 01





- LEGEND:
- Order Limits
 - 1km Buffer Area
 - Fluvial Model Extent
 - Modelled Fluvial Extents
 - 1 in 30 year (Flood Zone 3b)
 - 1 in 100 year (Flood Zone 3a)
 - 1 in 1000 year (Flood Zone 2)

CRS: EPSG:27700
Projection: Transverse Mercator
Ellipsoid: EPSG:7001
Units: meters



01	Sept 2025	DCO Submission	RSK	RSK	EDF
Rev	Date	Description	Drm	Chk	App

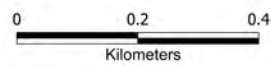
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DOCUMENT:
ENVIRONMENTAL STATEMENT, VOLUME
3 : FIGURES, REGULATION 5(2)(a)

TITLE:
FIGURE 16.4b: FLUVIAL MODELLING OF
CLAYDON BROOK TRIBUTARY (EXTENTS)

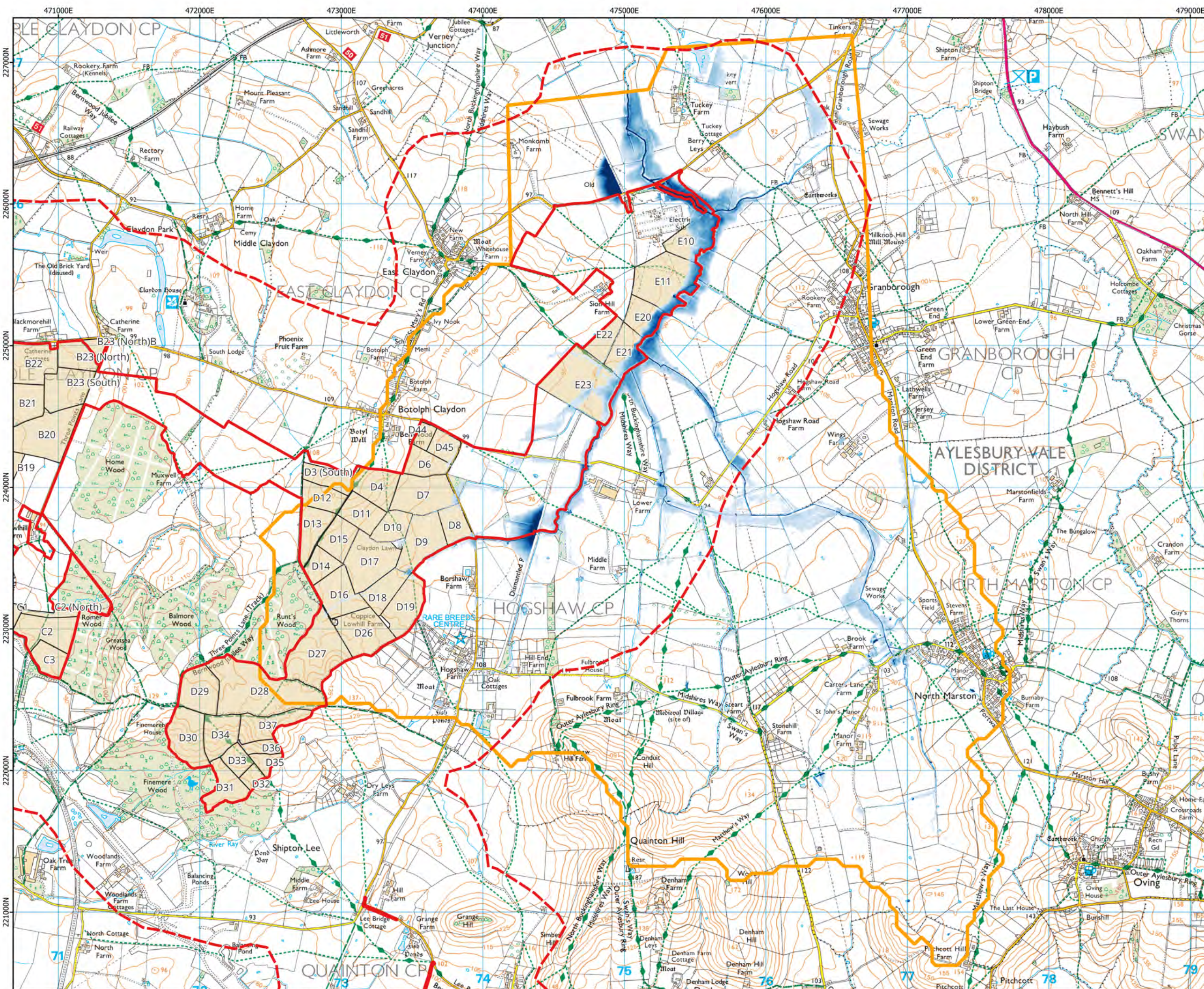
PINS REFERENCE NUMBER:
EN010158/APP/6.3



Scale: 1:12500 @A3



REV 01



LEGEND:

- Order Limits
- 1km Buffer Area
- Pluvial Model Extent

Modelled Flood Depths (m)

- <= 0.075 (removed)
- 0.010 - 0.100
- 0.100 - 0.200
- 0.200 - 0.300
- 0.300 - 0.400
- 0.400 - 0.500
- 0.500 - 0.600
- 0.600 - 0.700
- 0.700 - 0.800
- 0.800 - 0.900
- 0.900 - 1.000
- > 1.000

CRS: EPSG:27700
Projection: Transverse Mercator
Ellipsoid: EPSG:7001
Units: meters



01	Sept 2025	DCO Submission	RSK	RSK	EDF
Rev	Date	Description	Drm	Chk	App

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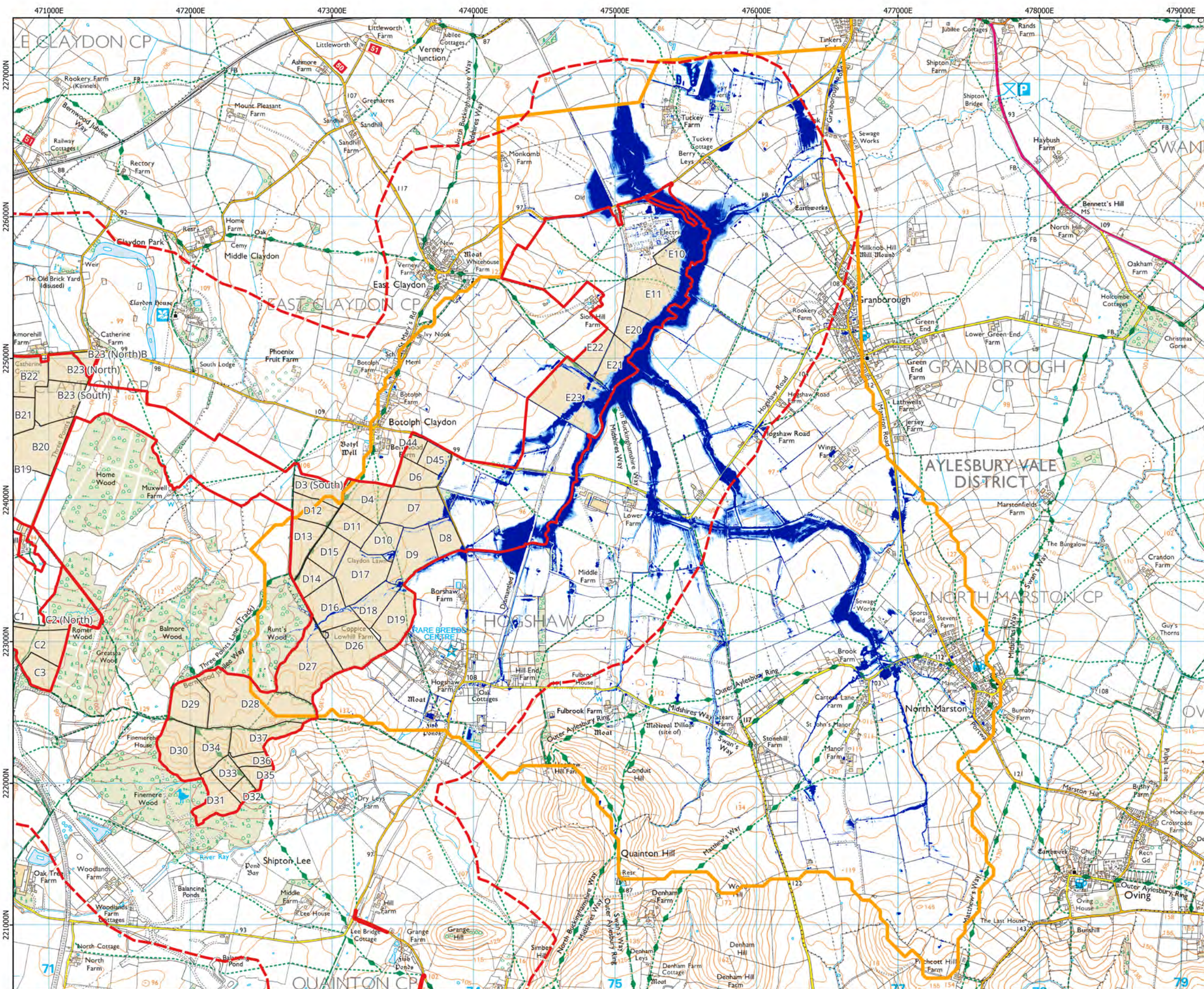
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ENVIRONMENTAL STATEMENT, VOLUME
3 : FIGURES, REGULATION 5(2)(a)

TITLE:
FIGURE 16.5a: PLUVIAL MODELLING OF
CLAYDON BROOK TRIBUTARY (DEPTHS)

PINS REFERENCE NUMBER:
EN010158/APP/6.3

0 0.5 1
Kilometers
Scale: 1:25000 @A3

REV 01



- LEGEND:
- Order Limits
 - 1km Buffer Area
 - Pluvial Model Extent
 - Pluvial Flood Extents
 - 1 in 30 year
 - 1 in 100 year
 - 1 in 1000 year

CRS: EPSG:27700
Projection: Transverse Mercator
Ellipsoid: EPSG:7001
Units: meters



01	Sept 2025	DCO Submission	RSK	RSK	EDF
Rev	Date	Description	Drm	Chk	App

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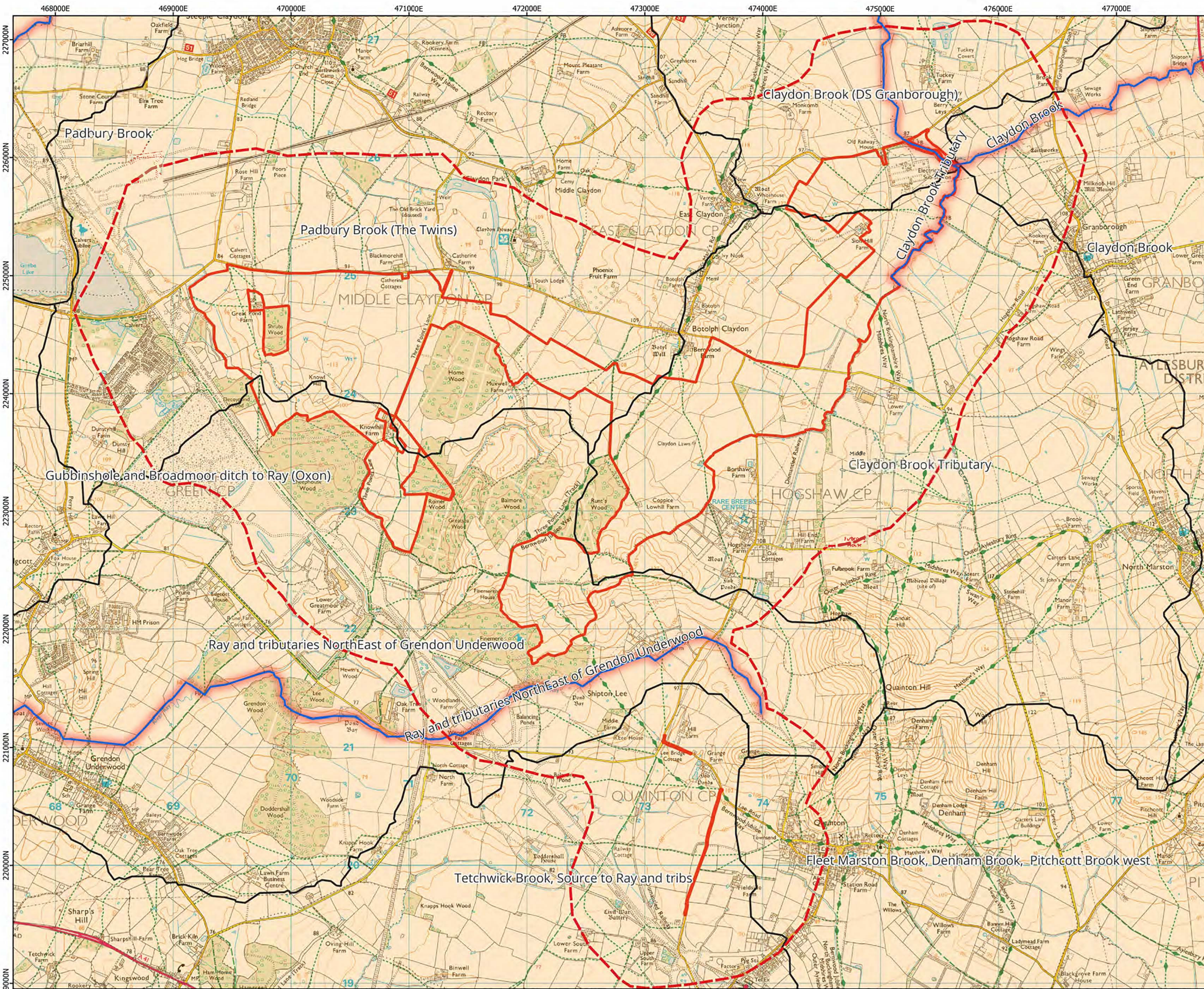
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ENVIRONMENTAL STATEMENT, VOLUME
3 : FIGURES, REGULATION 5(2)(a)

TITLE:
FIGURE 16.5b: PLUVIAL MODELLING OF
CLAYDON BROOK TRIBUTARY (EXTENTS)

PINS REFERENCE NUMBER:
EN010158/APP/6.3

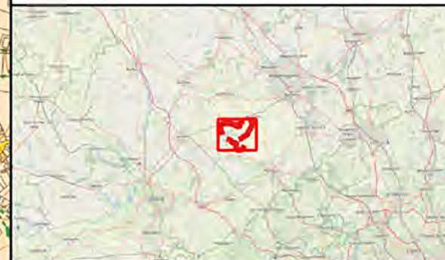
0 0.5 1
Kilometers
Scale: 1:25000 @A3

REV 01



- LEGEND:
- Order Limits
 - 1km Buffer Area
 - WFD Waterbody
 - WFD Catchment

CRS: EPSG:27700
Projection: Transverse Mercator
Ellipsoid: EPSG:7001
Units: meters



01	Sept 2025	DCO Submission	RSK	RSK	EDF
Rev	Date	Description	Drn	Chk	App

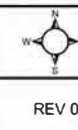
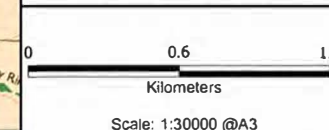
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DOCUMENT:
ENVIRONMENTAL STATEMENT, VOLUME
3 : FIGURES, REGULATION 5(2)(I)

TITLE:
FIGURE 16.6 WFD WATERBODIES AND
CATCHMENTS

PINS REFERENCE NUMBER:
EN010158/APP/6.3



REV 01

