

9

GEOLOGY & WATER ENVIRONMENT

Chapter 9 - Geology & Water Environment

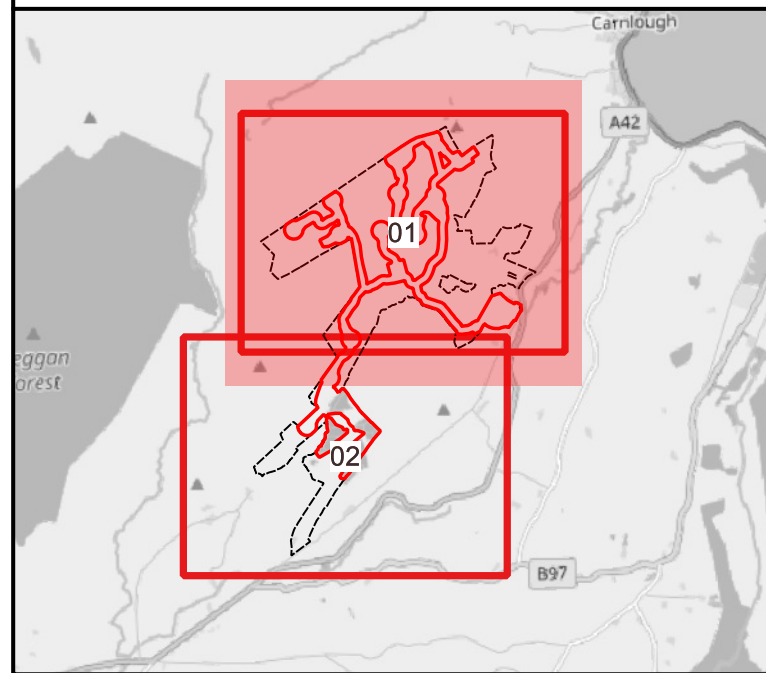
Figure 9.1: Site Hydrology

Figure 9.2: Designated Sites

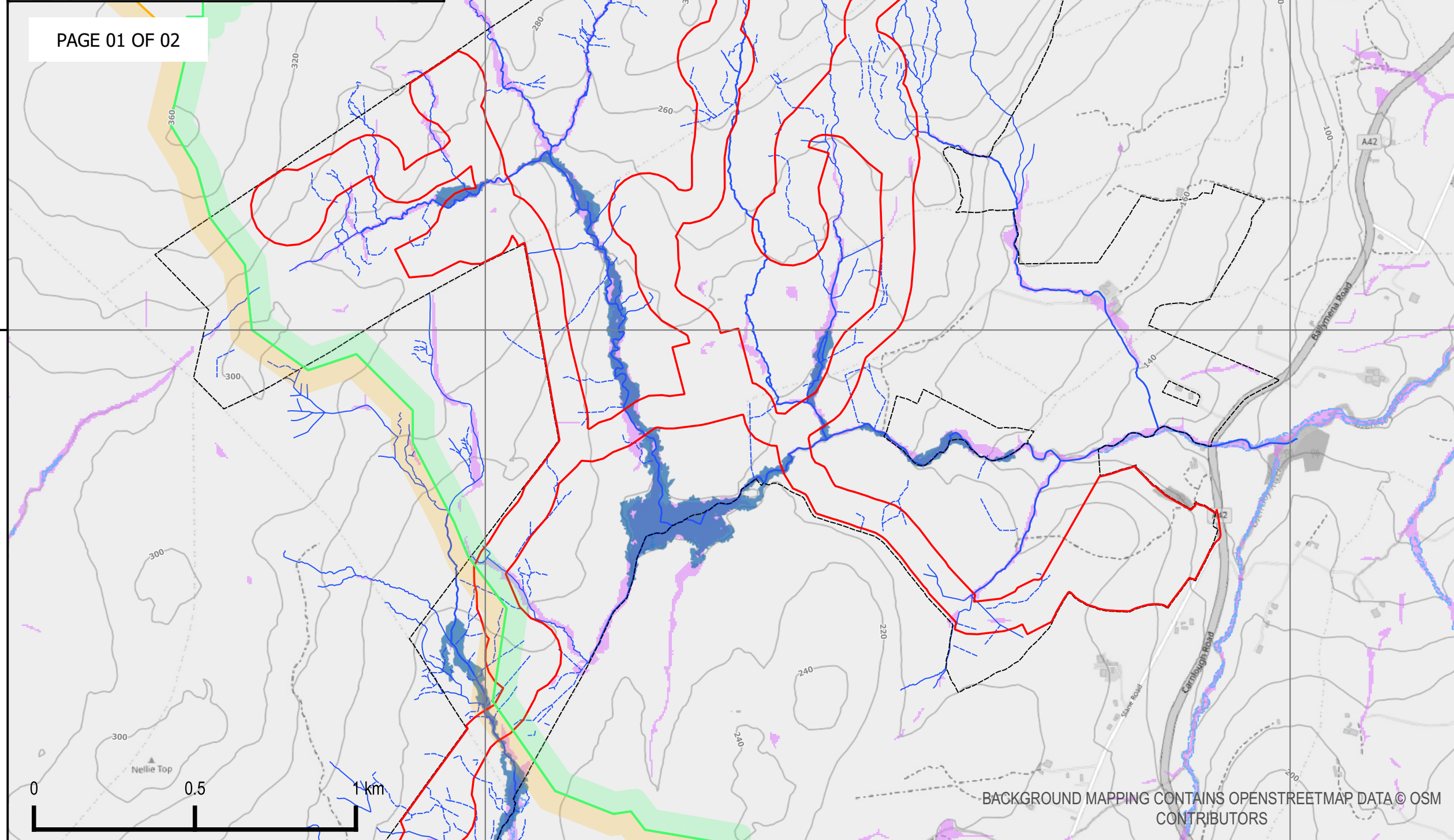
Figure 9.3: Site Water Quality Assessment

Figure 9.4: Abstractions

MAP OVERVIEW



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UNSHINAGH WIND FARM

M01616-23 CHAPTER 9-
EIAR_FIG_9.1.01

SITE HYDROLOGY

The Site

- Land Under Applicants Control
- Planning Application Boundary

Hydrology

- Significant Watercourses (>0.3 sq km area)
- Minor Watercourses (<0.3 sq km area)
- Other Watercourses

Flooding

- Site-Specific Model 1% AEP Flood Extent

Flood Maps NI

- FMNI Indicative 1% AEP Fluvial Flooding (Beyond Site-Specific Model Extents)
- FMNI Indicative 0.5% AEP Surface Water

Height Data [OSNI 10mDTM]

- 20m Major Contour

River Basin Context Map

- Braid River (Aghacully)
- Glencloy River

M01616-23_FIG_9.1.01

SCALE - AS SHOWN

ENVIRONMENTAL STATEMENT

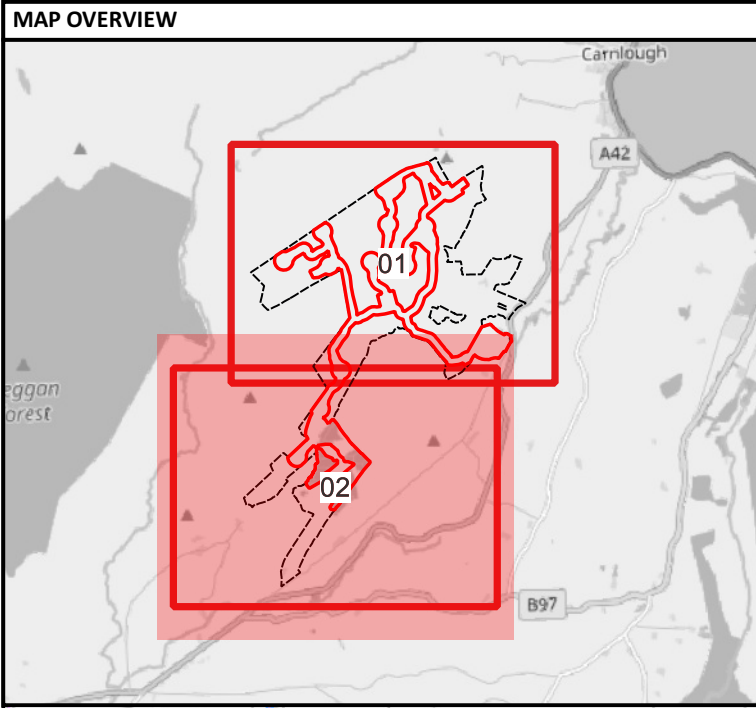
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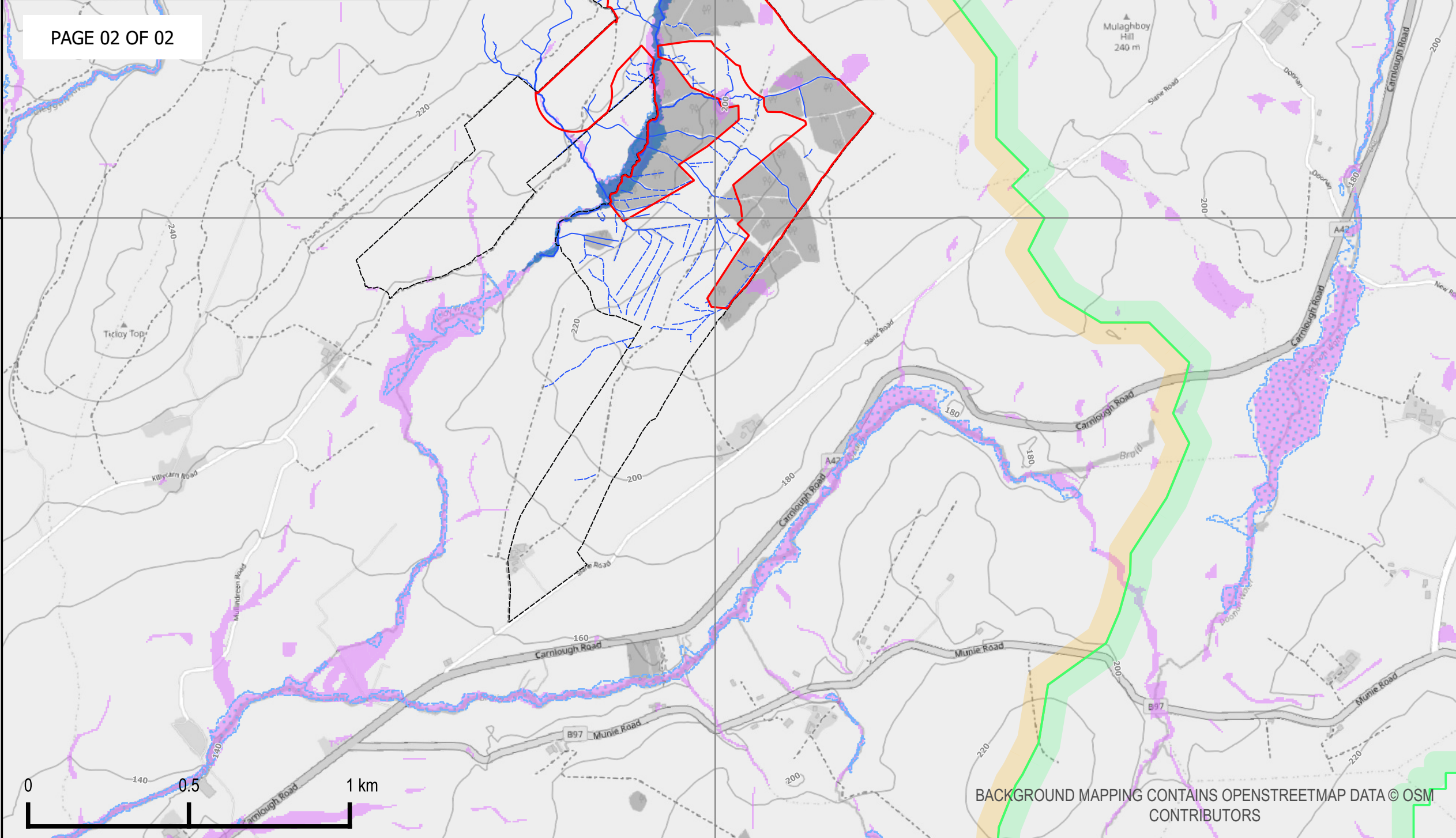
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**M01616-23 CHAPTER 9-
EIRAR_FIG_9.1.02**

SITE HYDROLOGY

- The Site**
- Land Under Applicants Control
- Planning Application Boundary
- Hydrology**
- Significant Watercourses (>0.3 sq km area)
- Minor Watercourses (<0.3 sq km area)
- Other Watercourses
- Flooding**
- Site-Specific Model 1% AEP Flood Extent
- Flood Maps NI**
- FMNI Indicative 1% AEP Fluvial Flooding (Beyond Site-Specific Model Extents)
- FMNI Indicative 0.5% AEP Surface Water
- Height Data [OSNI 10mDTM]**
- 20m Major Contour
- River Basin Context Map**
- Braid River (Aghacully)
- Glencloy River

M01616-23_FIG_9.1.02

SCALE - AS SHOWN

ENVIRONMENTAL STATEMENT

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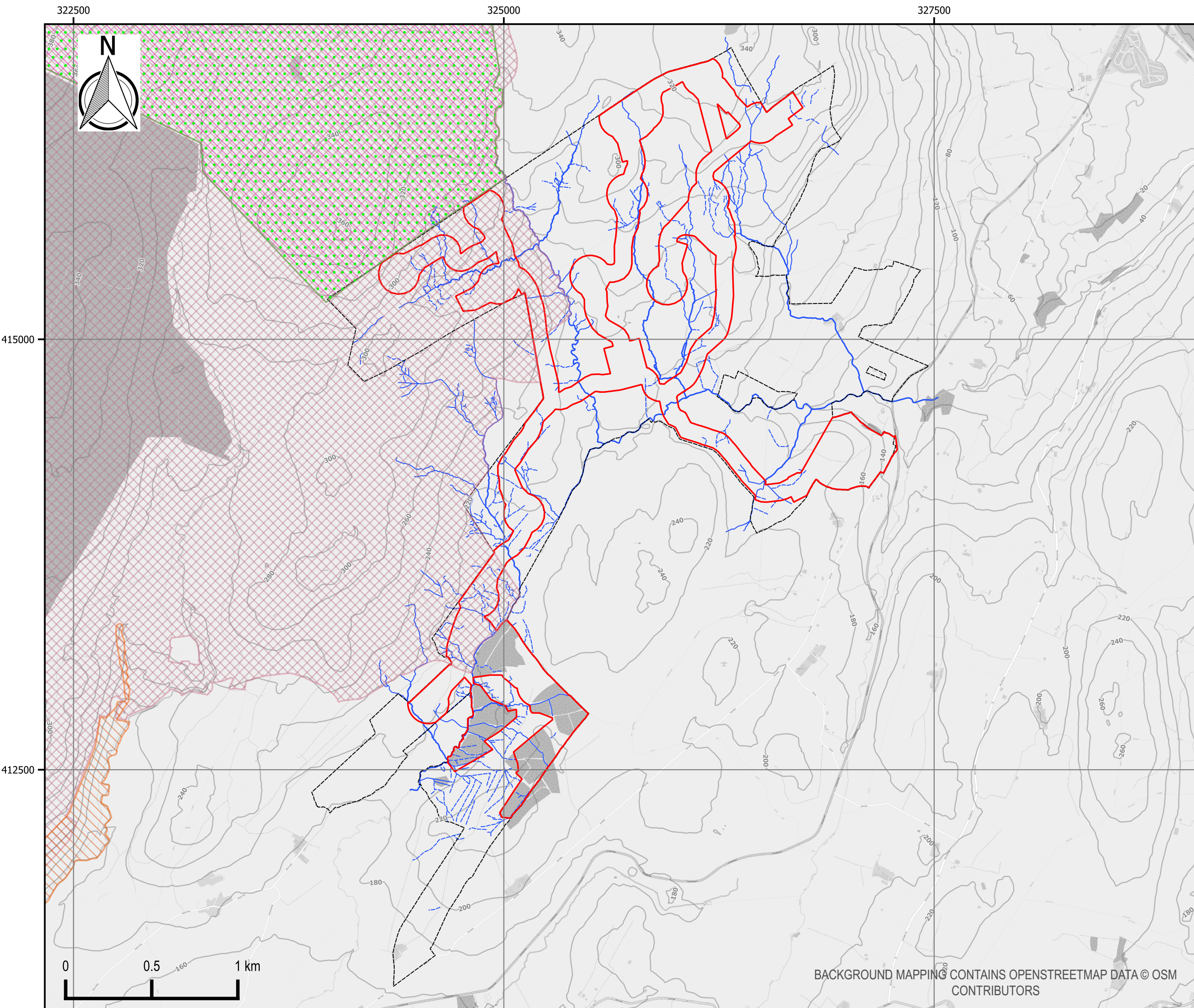
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**M01616-23 CHAPTER 9-
EIAR FIG 9.2**

DESIGNATED SITES

- The Site**
- Land Under Applicants Control
 - Planning Application Boundary
- Height Data [OSNI 10m DTM]**
- 20m Major Contour
- Hydrology**
- Significant Watercourse (>0.3 sq km area)
 - Minor Watercourse (<0.3 sq km area)
 - Other Watercourses
- Designated Sites**
- SAC (Special Areas of Conservation)**
- Garron Plateau
- ASSI (Area of Special Scientific Interest)**
- Cleggan Valley
 - Garron Plateau
- SPA (Special Protection Areas)**
- Antrim Hills

M01616-23 FIG 9.2

SCALE - AS SHOWN

ENVIRONMENTAL STATEMENT

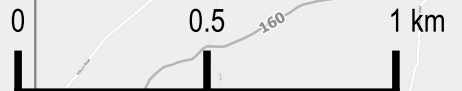
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



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**M01616-23 CHAPTER 9-
EIAR FIG 9.3**

**SITE WATER QUALITY
ASSESSMENT**


The Site

-  Land Under Applicants Control
-  Planning Application Boundary


Height Data [OSNI 10m DTM]

-  20m Major Contour

Hydrology

-  Watercourses

Water Quality Data

-  Baseline Surface Water Quality Sample Locations

M01616-23 FIG 9.3

SCALE - AS SHOWN

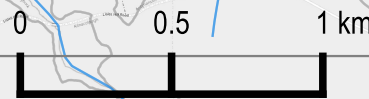
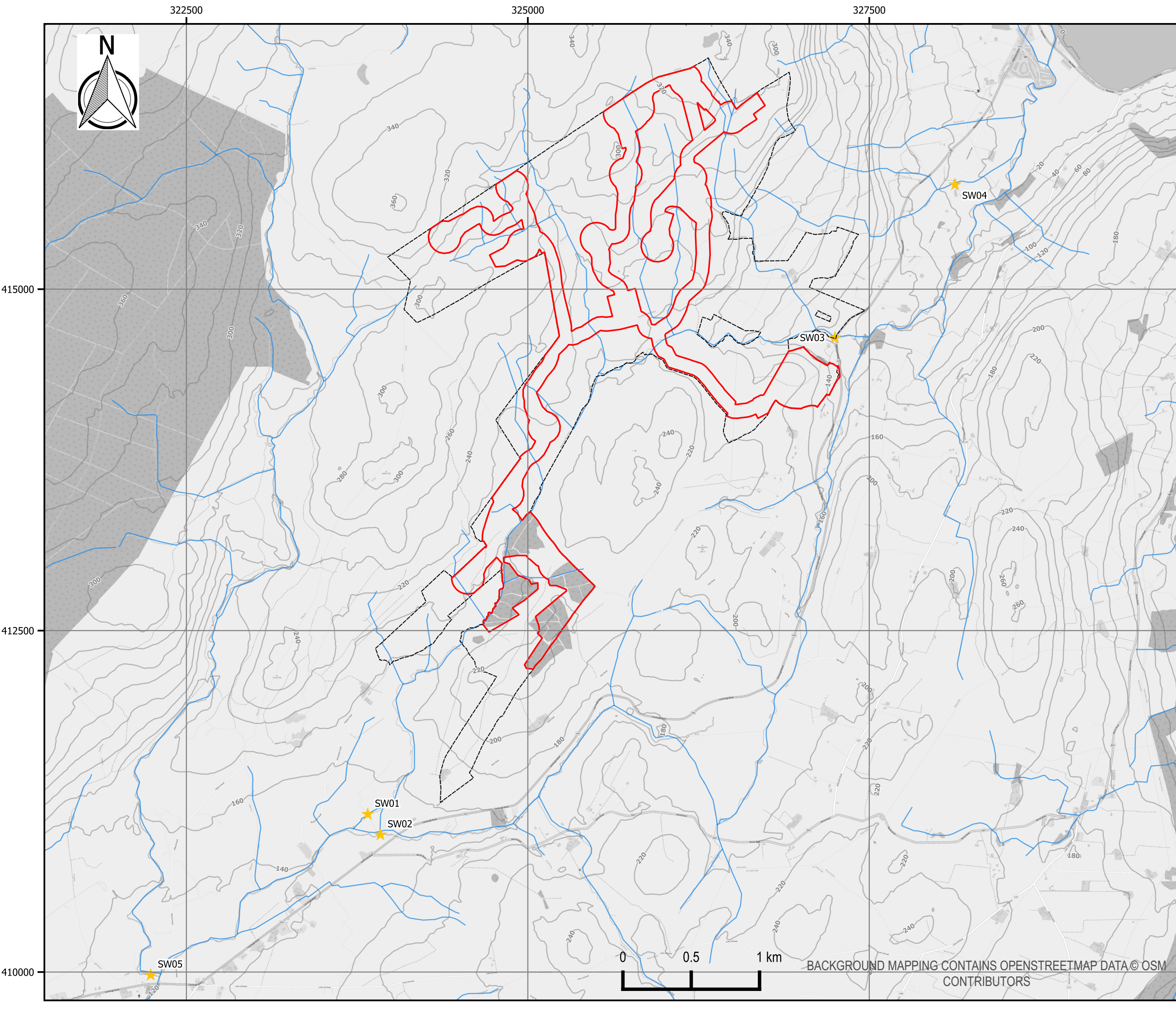
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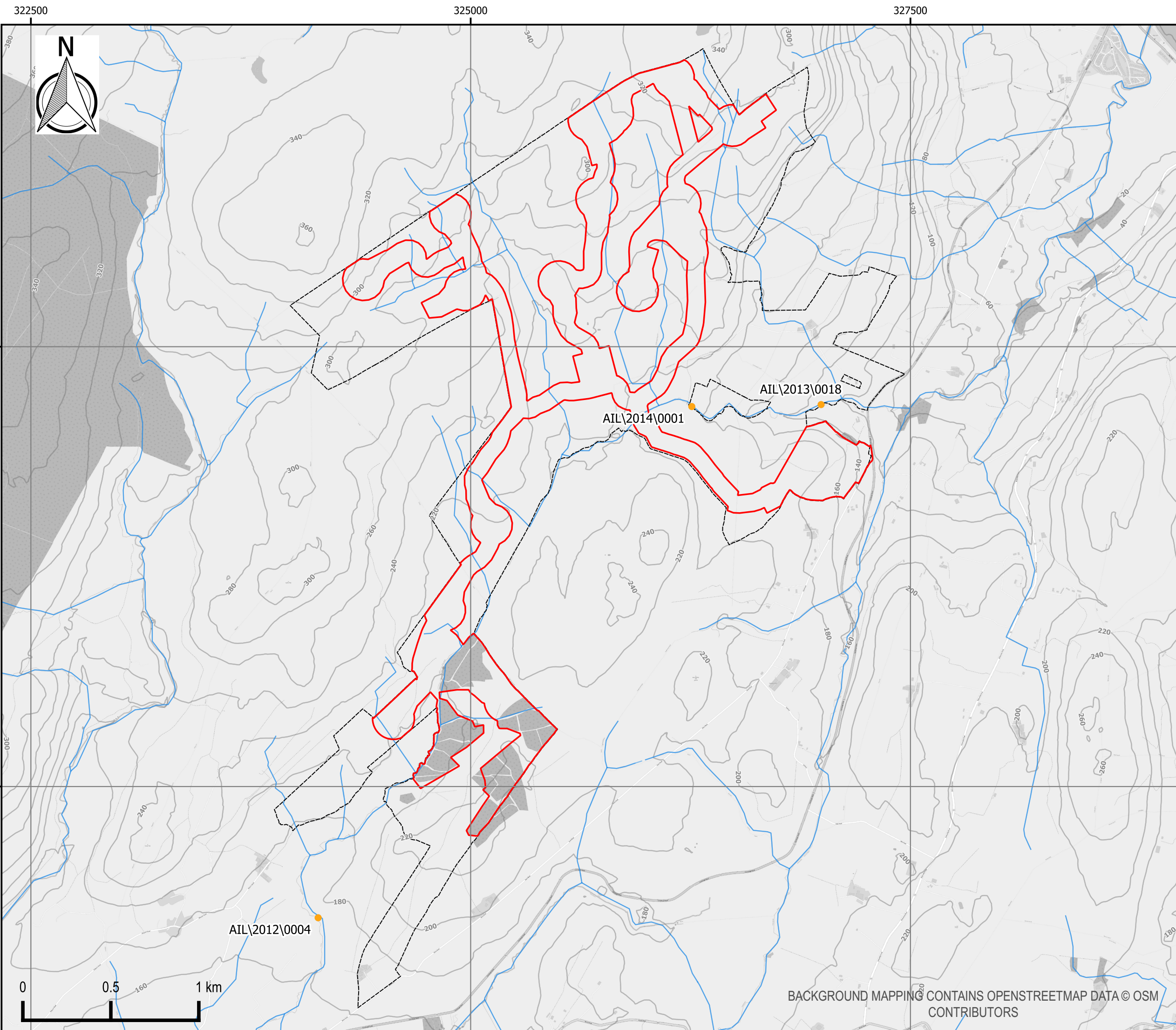


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**M01616-23 CHAPTER 9-
EIAR_FIG_9.4**

ABSTRACTIONS

The Site

- Land Under Applicants Control
- Planning Application Boundary

Height Data [OSNI 10m DTM]

- 20m Major Contour

Hydrology

- Watercourses

Abstractions

- Non Public Water Abstraction Supply Sites

M01616-23_FIG_9.4

SCALE - AS SHOWN

ENVIRONMENTAL STATEMENT

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