

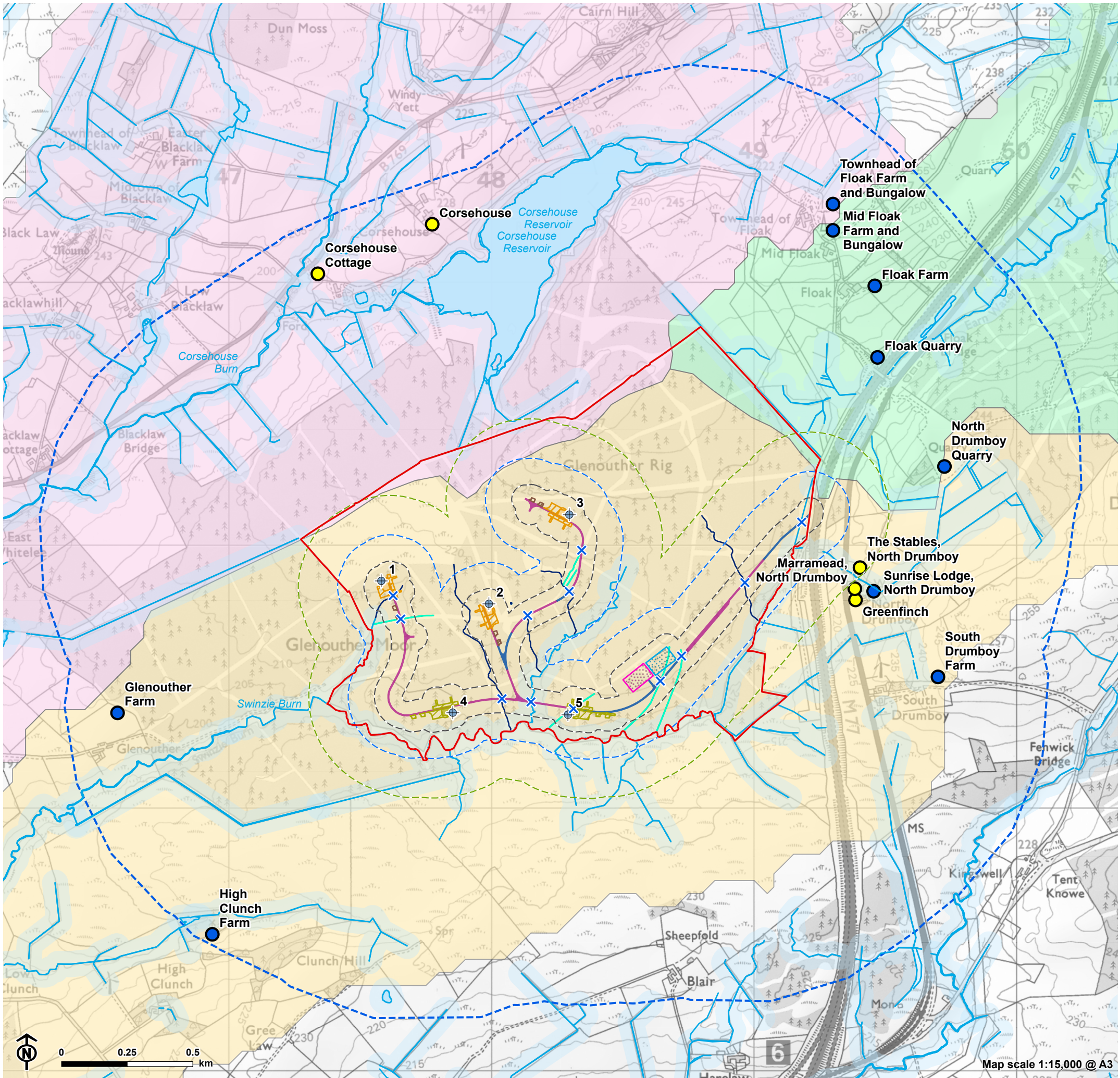


Figure 9.1: Hydrological Features

- Site boundary
 - Turbine
 - Construction compound (temporary)
 - Substation compound
 - New access track/ turning head (floated)
 - New access track (excavated)
 - Piled turbine foundation/hardstanding (permanent) (T1, T2 and T3)
 - Excavated turbine foundation/hardstanding (permanent) (T4 and T5)
 - Floating hardstanding (temporary) (T1, T2 and T3)
 - Piled auxiliary crane pad (temporary) (T1, T2 and T3)
 - Excavated hardstanding (temporary) (T4 and T5)
 - Watercourse crossing
- Hydrological features**
- Private Water Supply (PWS) source
 - Known
 - Unknown, assumed to be at property location
 - 1 km PWS search area
 - 50 m micro-siting buffer (infrastructure)
 - 100 m buffer from micro-siting buffer (for working areas and other infrastructure with excavations less than 1 m deep)
 - 250 m buffer from micro-siting buffer (for excavations >1 m deep, i.e., turbine foundations)
- Main catchments**
- Annick Water catchment
 - Earn Water catchment
 - Swinzie Burn catchment
- Watercourse**
- Ordnance Survey (1:25K) mapped
 - Natural watercourse mapped during site surveys
 - Artificial drains mapped during site surveys
 - Waterbody (Ordnance Survey 1:25k)
 - Watercourse/waterbody 50 m buffer (Ordnance Survey 1:25k)



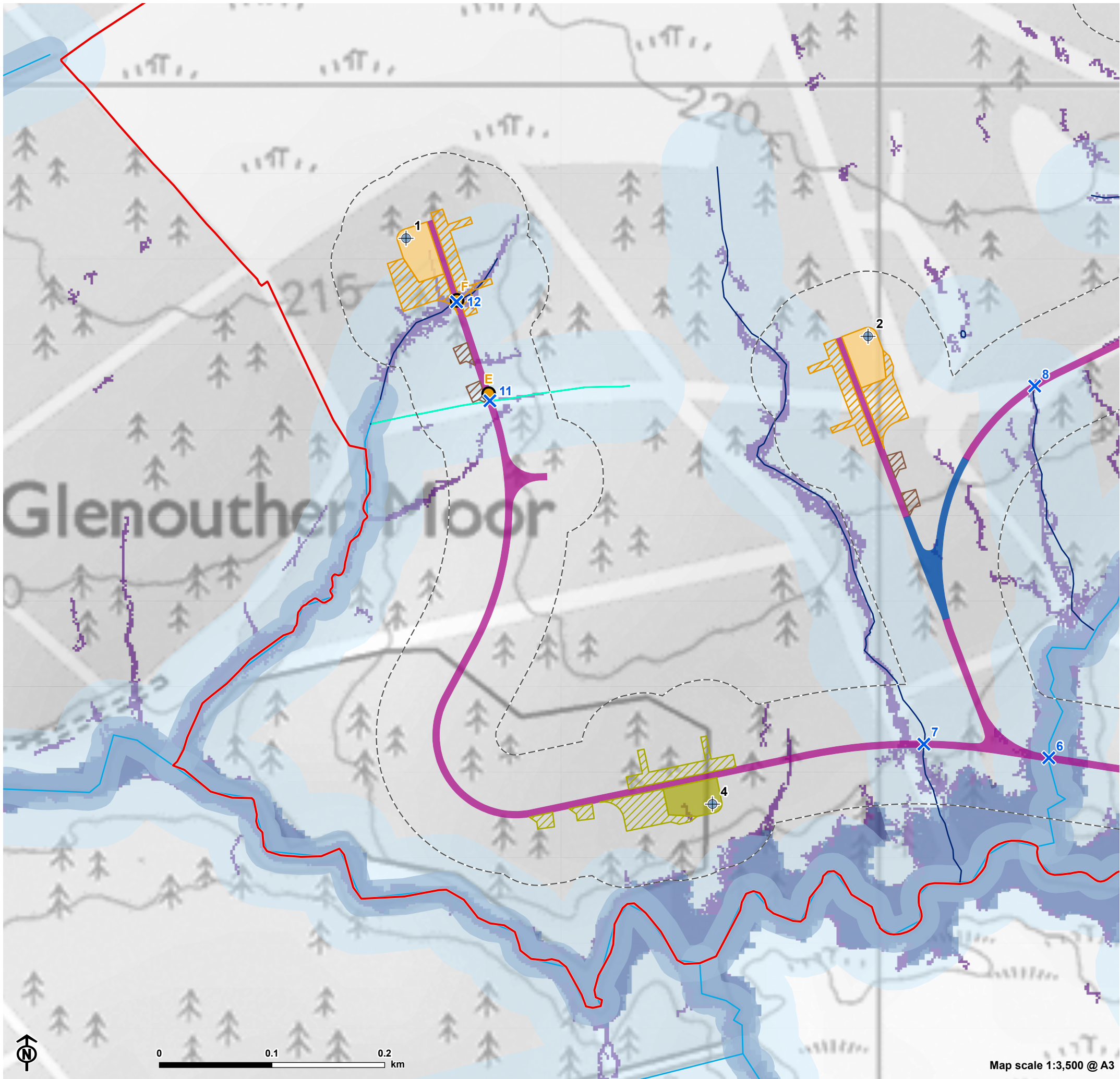


Figure 9.2a: Watercourse Buffers, Crossings and Flood Risk

- Site boundary
- Turbine
- New access track/ turning head (floated)
- New access track (excavated)
- Piled turbine foundation/hardstanding (permanent) (T1, T2 and T3)
- Excavated turbine foundation/hardstanding (permanent) (T4 and T5)
- Floating hardstanding (temporary) (T1, T2 and T3)
- Piled auxiliary crane pad (temporary) (T1, T2 and T3)
- Excavated hardstanding (temporary) (T4 and T5)
- 50 m micro-siting buffer (infrastructure)

Watercourse buffers, crossings and flood risk

New watercourse crossing

Watercourse buffer encroachment

Ordnance Survey (1:25K) mapped

Natural watercourse mapped during site surveys

Artificial drains mapped during site surveys

Waterbody

Watercourse/waterbody 50 m buffer

Recommended riparian corridor* (SEPA)

SEPA Future Surface Water and Small Watercourses Medium Likelihood

By the 2070s, each year this area may have a 0.5% chance of flooding

SEPA Future Flood Maps River Medium Likelihood

By the 2080s, each year this area may have a 0.5% chance of flooding

Note:
*SEPA Riparian corridors
Channel width buffer width
< 2 m 10 m
2 – 15 m 15 m
> 15 m 30 m

SEPA Recommended Riparian Corridor buffers are based on the SEPA shapefile and are only shown on mapped watercourses. For watercourses/drains mapped during site surveys the relevant recommended riparian corridor for the width of the watercourse/ drain is applied in the assessment but not shown on the figure.

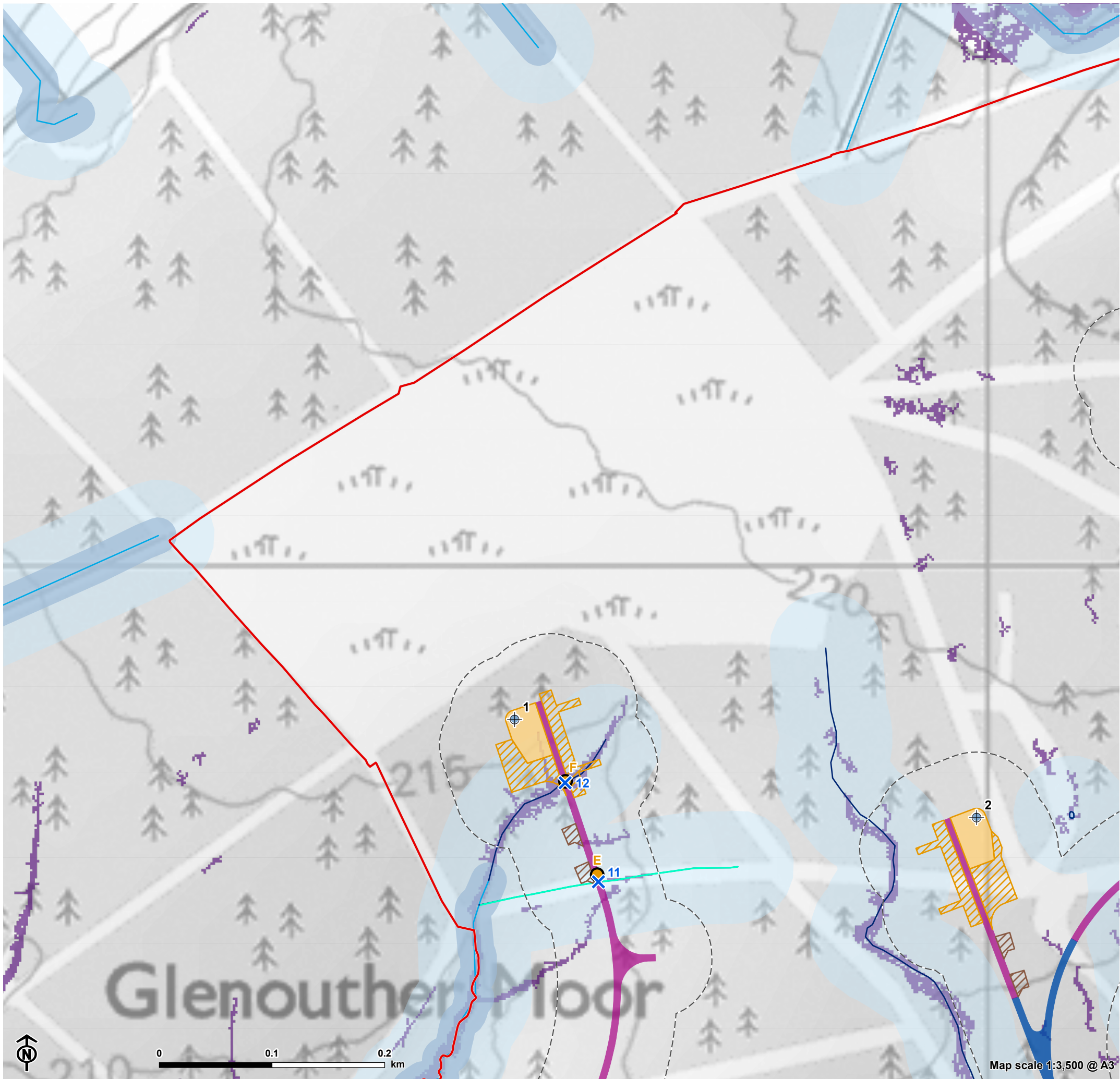


Figure 9.2b: Watercourse Buffers, Crossings and Flood Risk

- Site boundary
- Turbine
- New access track/ turning head (floated)
- New access track (excavated)
- Piled turbine foundation/hardstanding (permanent) (T1, T2 and T3)
- Floating hardstanding (temporary) (T1, T2 and T3)
- Piled auxiliary crane pad (temporary) (T1, T2 and T3)
- 50 m micrositeing buffer (infrastructure)

Watercourse buffers, crossings and flood risk

New watercourse crossing

Watercourse buffer encroachment

Ordnance Survey (1:25K) mapped

Natural watercourse mapped during site surveys

Artificial drains mapped during site surveys

Waterbody

Watercourse/waterbody 50 m buffer

Recommended riparian corridor* (SEPA)

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SEPA Future Flood Maps River Medium Likelihood

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Note:

*SEPA Riparian corridors

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