



**SP ENERGY
NETWORKS**

The Kendoon to Tongland 132kV Reinforcement Project

**Underground cable study
summary report**

Figure 2

July 2020

Figure 2: Stage 2 - Preferred Route Options

KTR Undergrounding Study

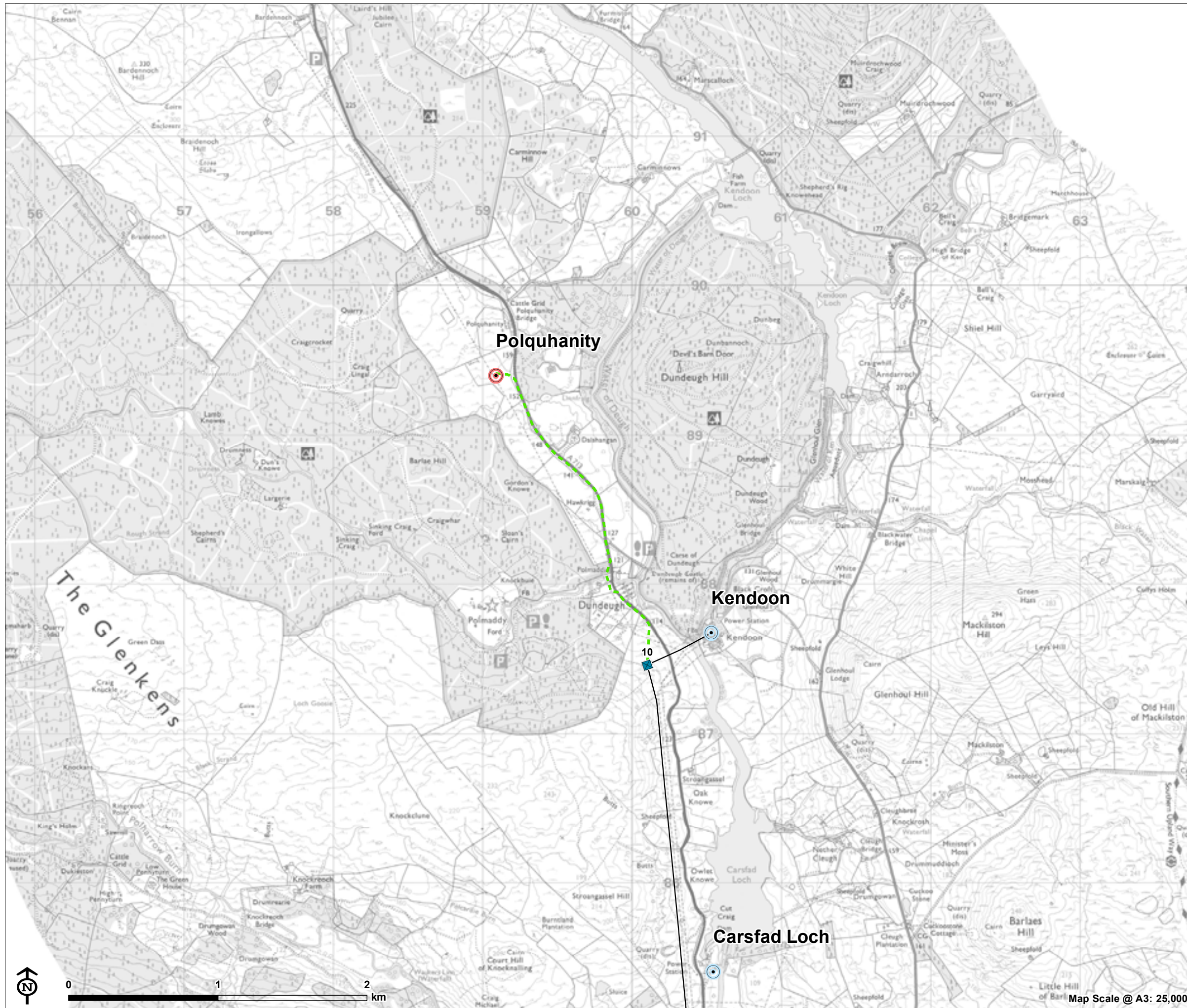
Figure 2.1: Stage 2 Preferred Route Options

Preferred Underground Cable Option

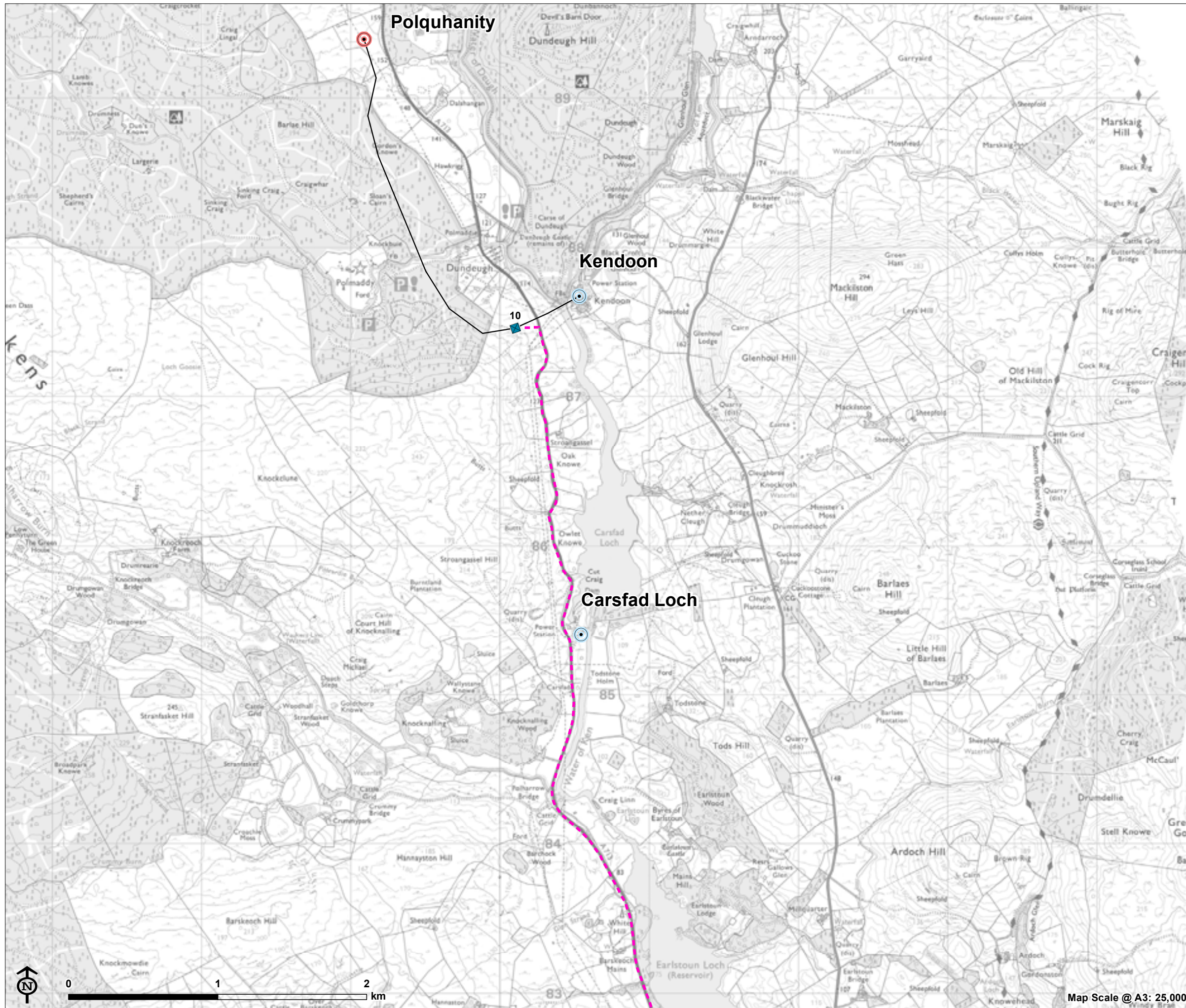
- UGC1B
- ⊙ Polquhanity sealing end and terminal tower
- ⊙ Substation and hydro electricity generating station

Overhead Line Connection

- Polquhanity to Glenlee via Kendoon (steel lattice tower)
- Proposed KTR Project Overhead Line Connection



Map Scale @ A3: 25,000



KTR Undergrounding Study

Figure 2.2.1: Stage 2 Preferred Route Options

- Preferred Underground Cable Option**
- UGC2B
 - ⊙ Polquharity sealing end and terminal tower
 - ⊙ Substation and hydro electricity generating station
- Overhead Line Connection**
- Polquharity to Glenlee via Kendoon (steel lattice tower)
 - Proposed KTR Project Overhead Line Connection



KTR Undergrounding Study

Figure 2.2.2: Stage 2 Preferred Route Options

Preferred Underground Cable Option

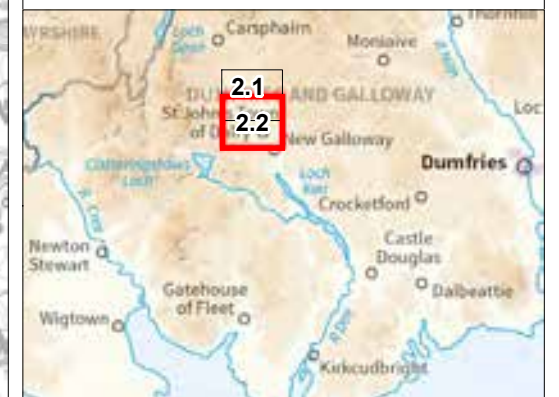
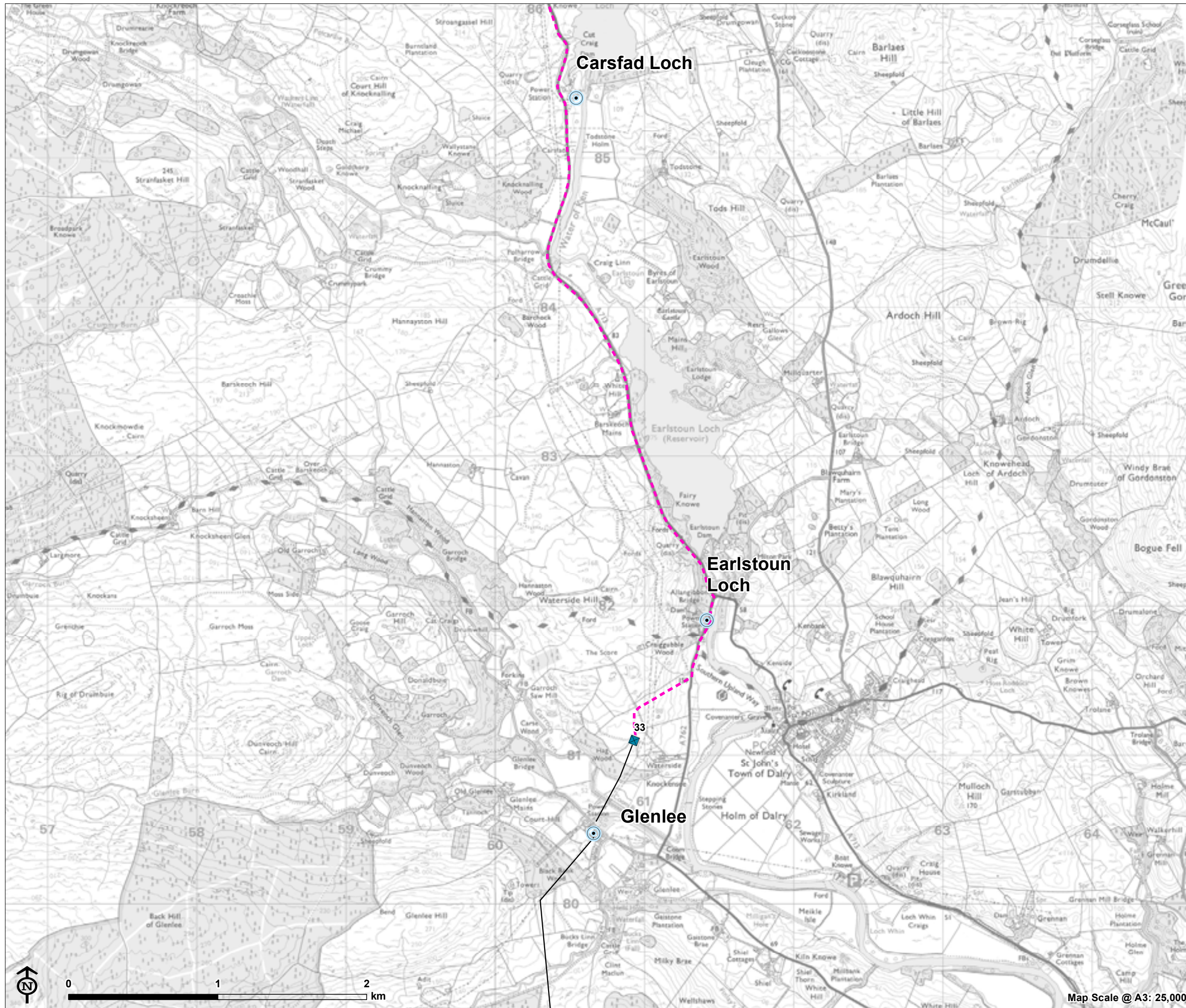
--- UGC2B

⊙ Substation and hydro electricity generating station

Overhead Line Connection

■ Polquhanny to Glenlee via Kendoon (steel lattice tower)

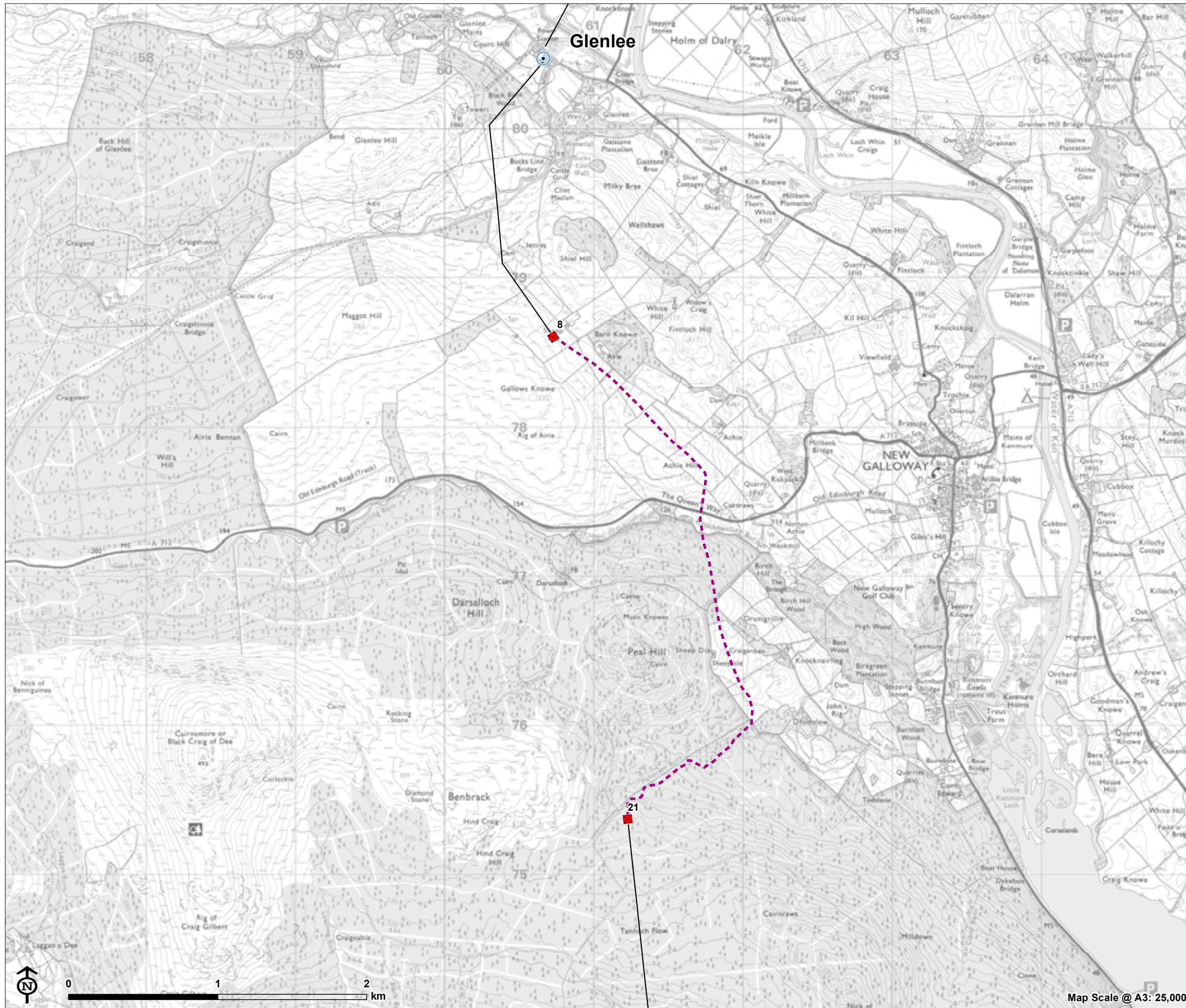
— Proposed KTR Project Overhead Line Connection



KTR Undergrounding Study

Figure 2.3: Stage 2 Preferred Route Options

- Preferred Underground Cable Option**
- UGC3A
 - ⊙ Substation and hydro electricity generating station
- Overhead Line Connection**
- Glenlee to Tongland (steel lattice tower)
 - Proposed KTR Project Overhead Line Connection



Map Scale @ A3: 25,000

KTR Undergrounding Study

Figure 2.4.1: Stage 2 Preferred Route Options

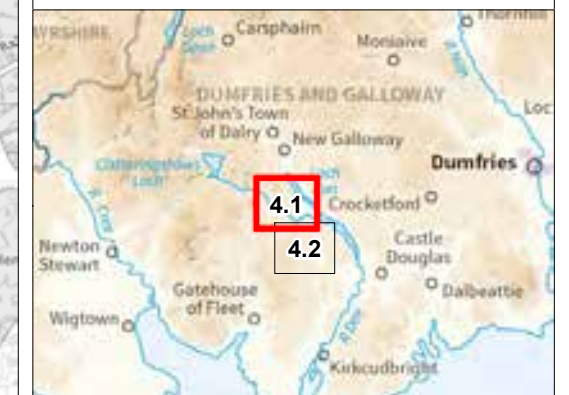
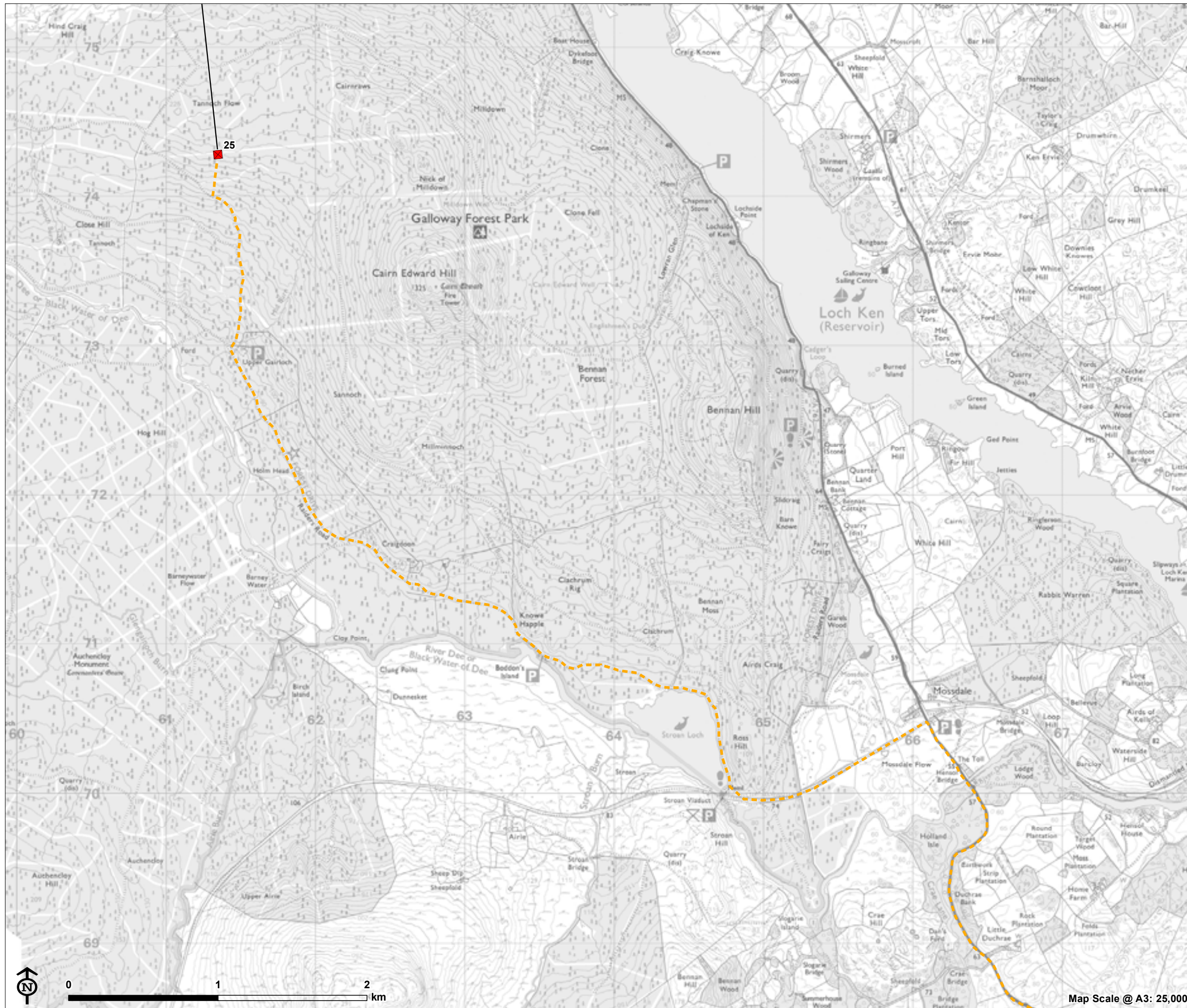
Preferred Underground Cable Option

--- UGC4C

Overhead Line Connection

■ Glenlee to Tongland (steel lattice tower)

— Proposed KTR Project Overhead Line Connection



Map Scale @ A3: 25,000



KTR Undergrounding Study

Figure 2.4.2: Stage 2 Preferred Route Options

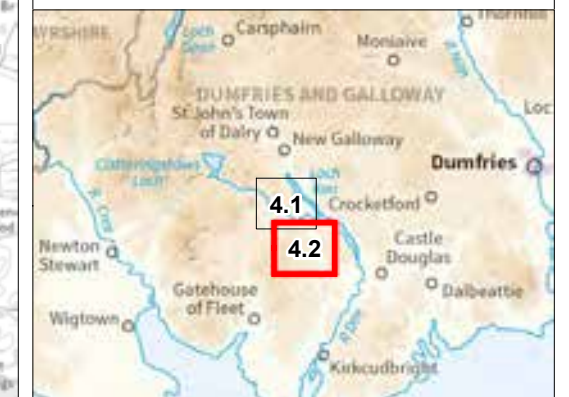
Preferred Underground Cable Option

--- UGC4C

Overhead Line Connection

■ Glenlee to Tongland (steel lattice tower)

— Proposed KTR Project Overhead Line Connection



Map Scale @ A3: 25,000

KTR Undergrounding Study

Figure 2.5: Stage 2 Preferred Route Options

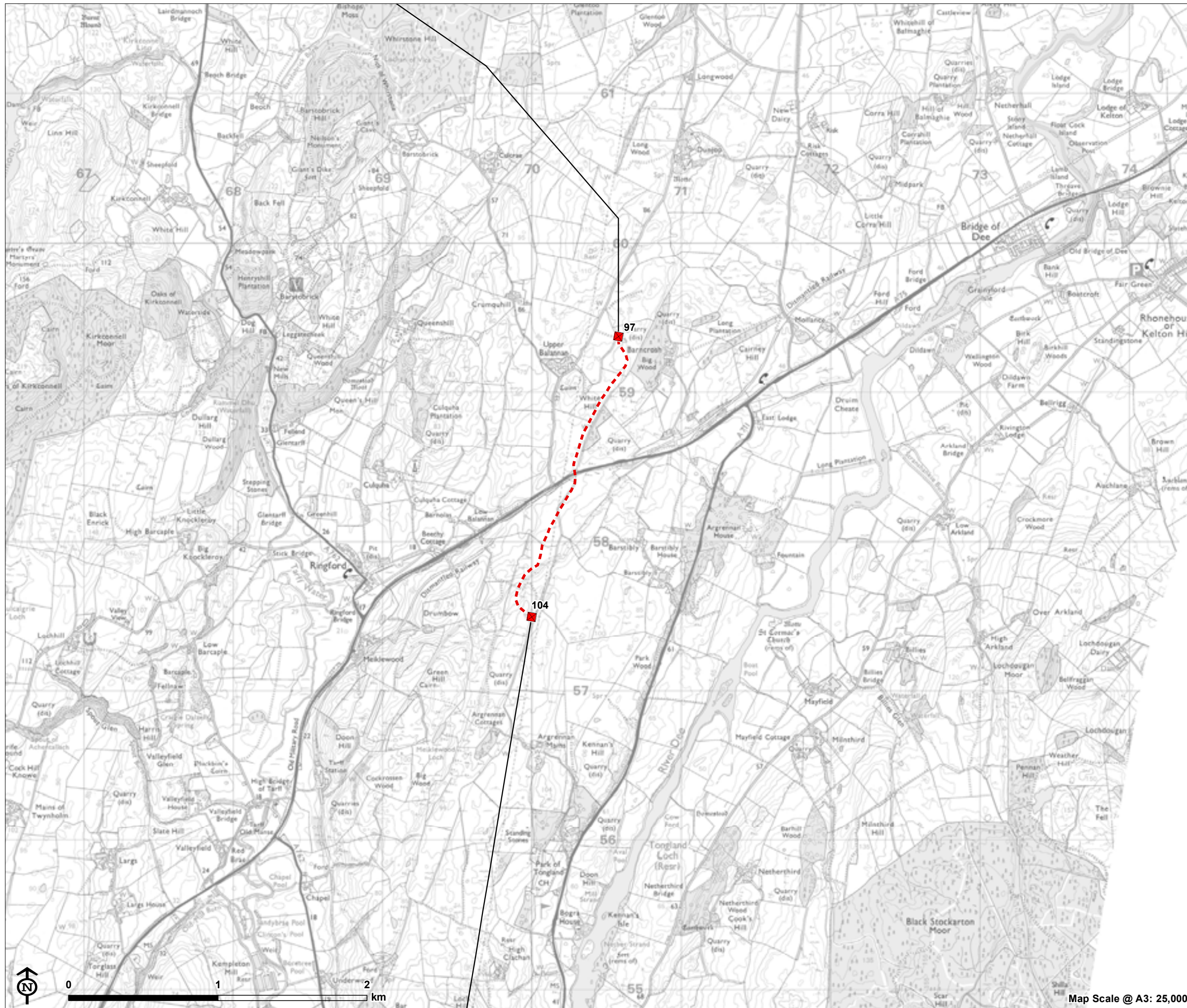
Preferred Underground Cable Option

--- UGC5A

Overhead Line Connection

■ Glenlee to Tongland (steel lattice tower)

— Proposed KTR Project Overhead Line Connection



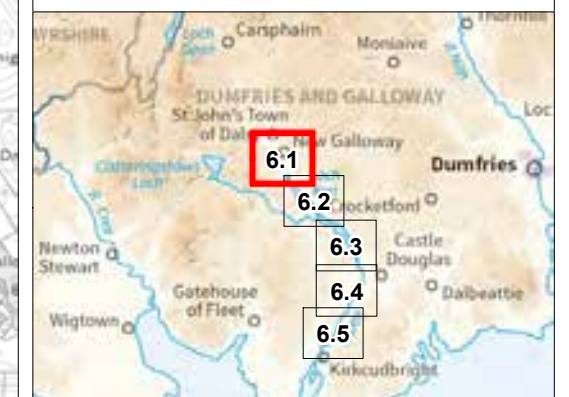
Map Scale @ A3: 25,000



Figure 2.6.1: Stage 2 Preferred Route Options

Preferred Underground Cable Option

- - - UGC6E
- ⊙ Substation and hydro electricity generating station



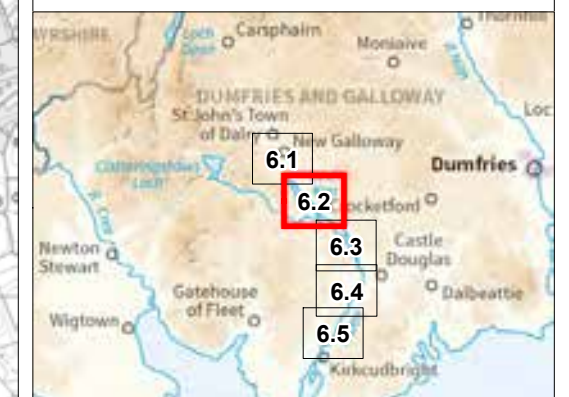
Map Scale @ A3: 25,000

KTR Undergrounding Study

Figure 2.6.2: Stage 2 Preferred Route Options

Preferred Underground Cable Option

--- UGC6E



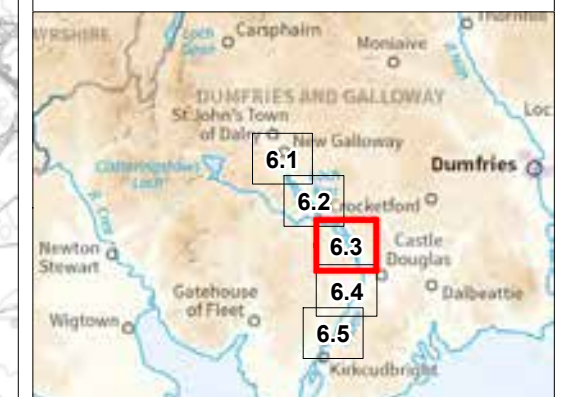
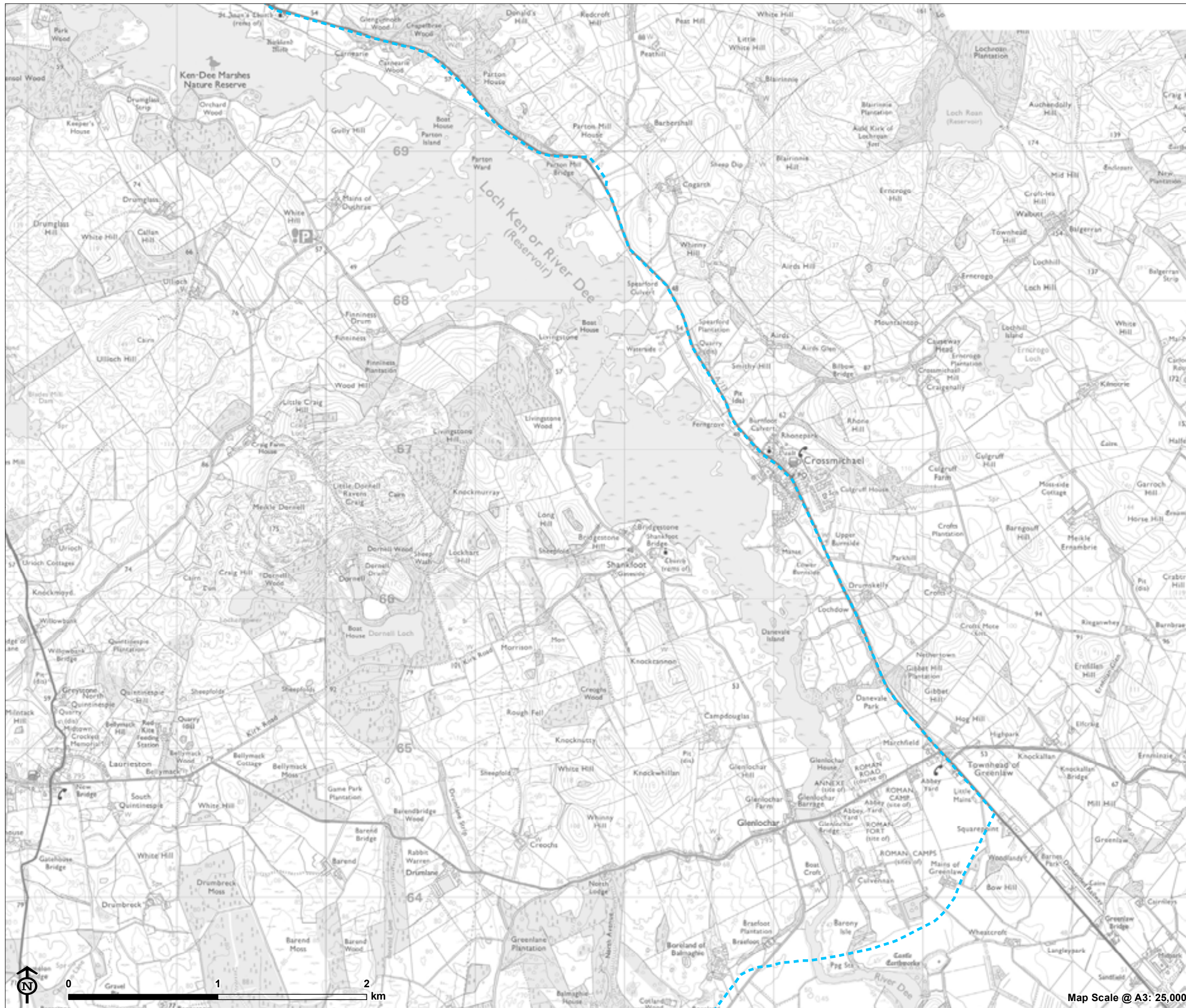
Map Scale @ A3: 25,000

KTR Undergrounding Study

Figure 2.6.3: Stage 2 Preferred Route Options

Preferred Underground Cable Option

--- UGC6E

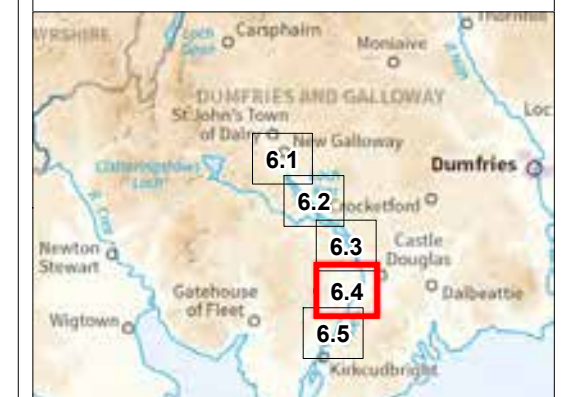
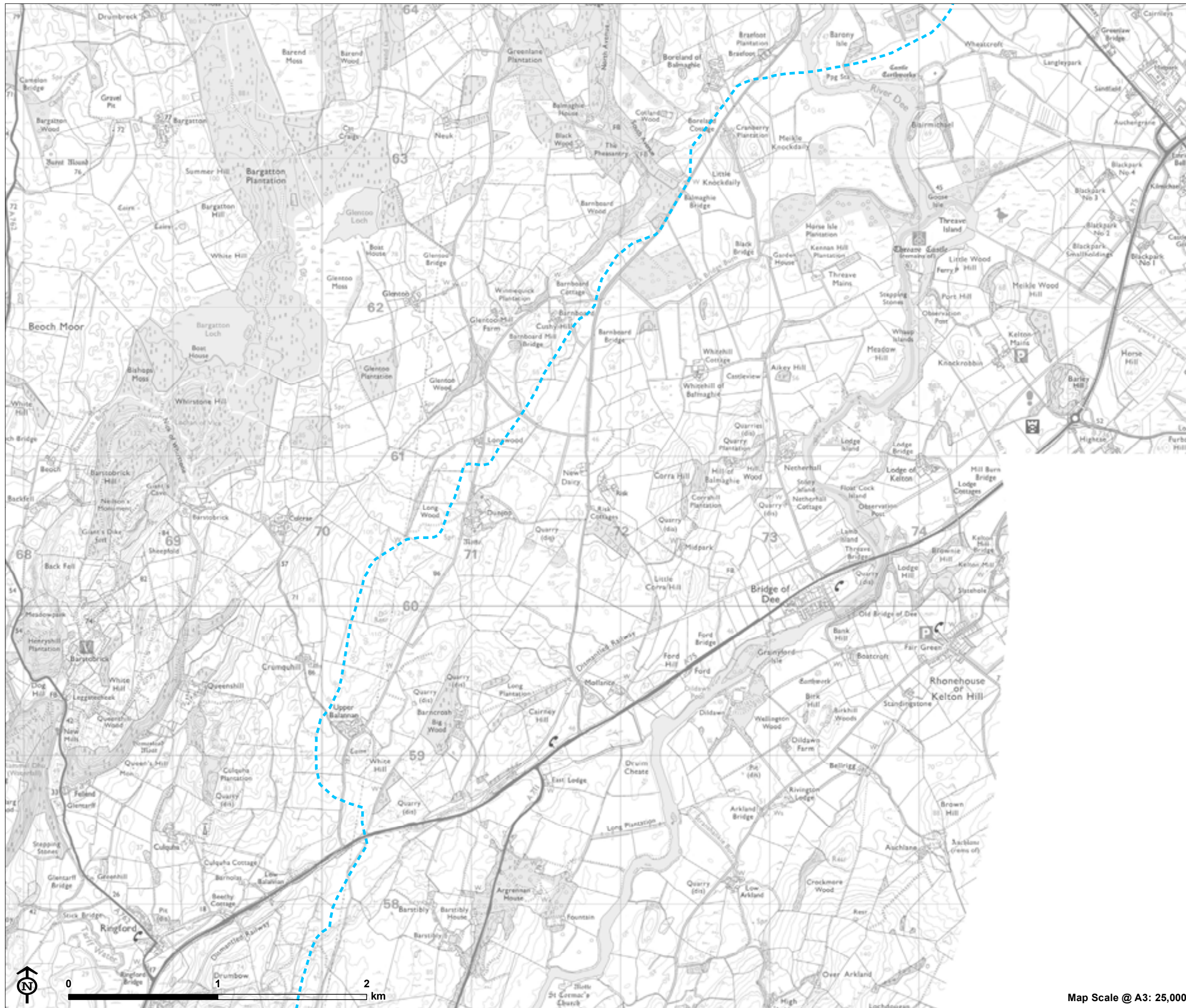


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Figure 2.6.4: Stage 2 Preferred Route Options

Preferred Underground Cable Option

--- UGC6E




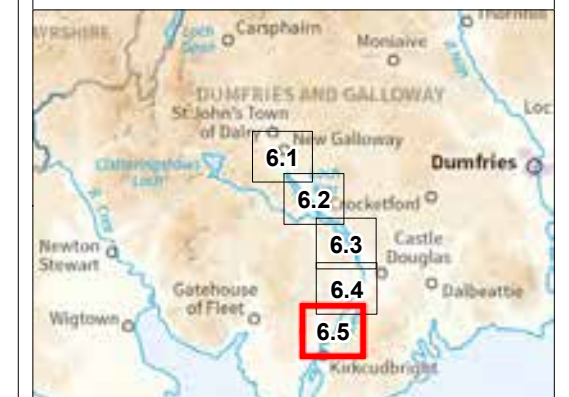
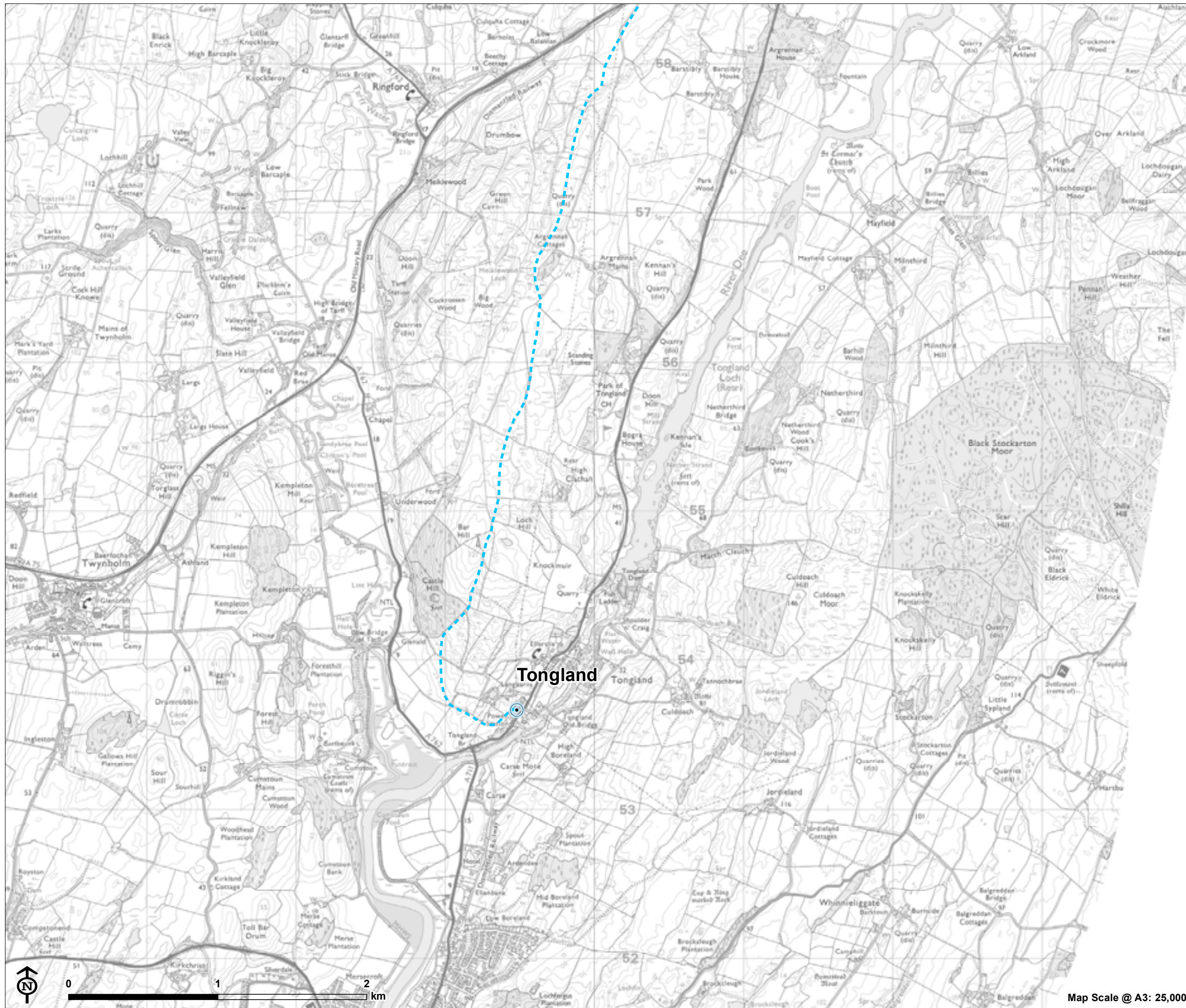
Map Scale @ A3: 25,000

KTR Undergrounding Study

Figure 2.6.5: Stage 2 Preferred Route Options

Preferred Underground Cable Option

- - - UGC6E
-  Substation and hydro electricity generating station



Map Scale @ A3: 25,000