



**SP ENERGY
NETWORKS**

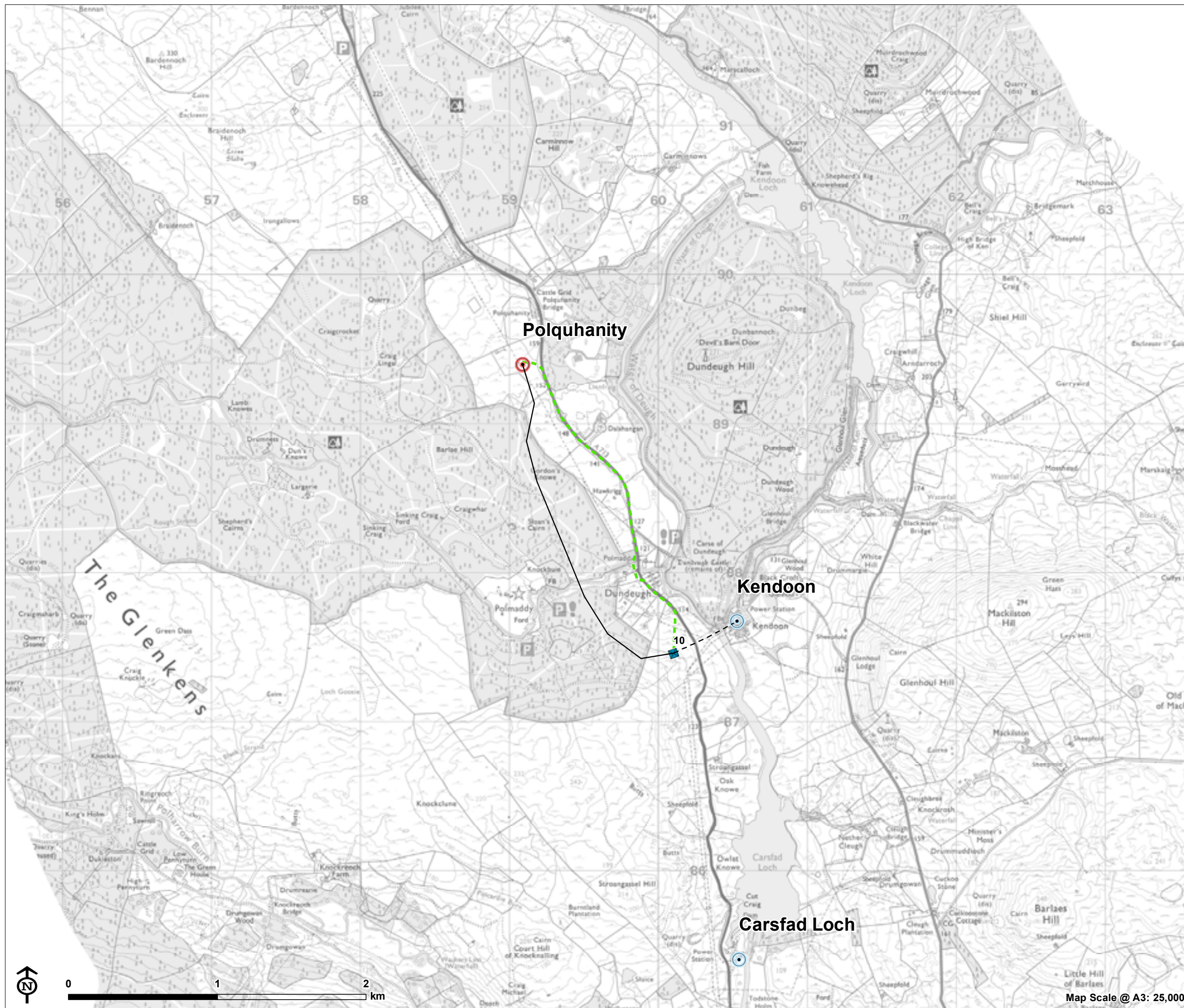
The Kendoon to Tongland 132kV Reinforcement Project

**Underground cable study
summary report**

Figure 4

July 2020

Figure 4: Stage 2 - Preferred Route Options with Proposed OHL equivalent



KTR Undergrounding Study

Figure 4.1: Stage 2 Preferred Route Options with Proposed OHL equivalent

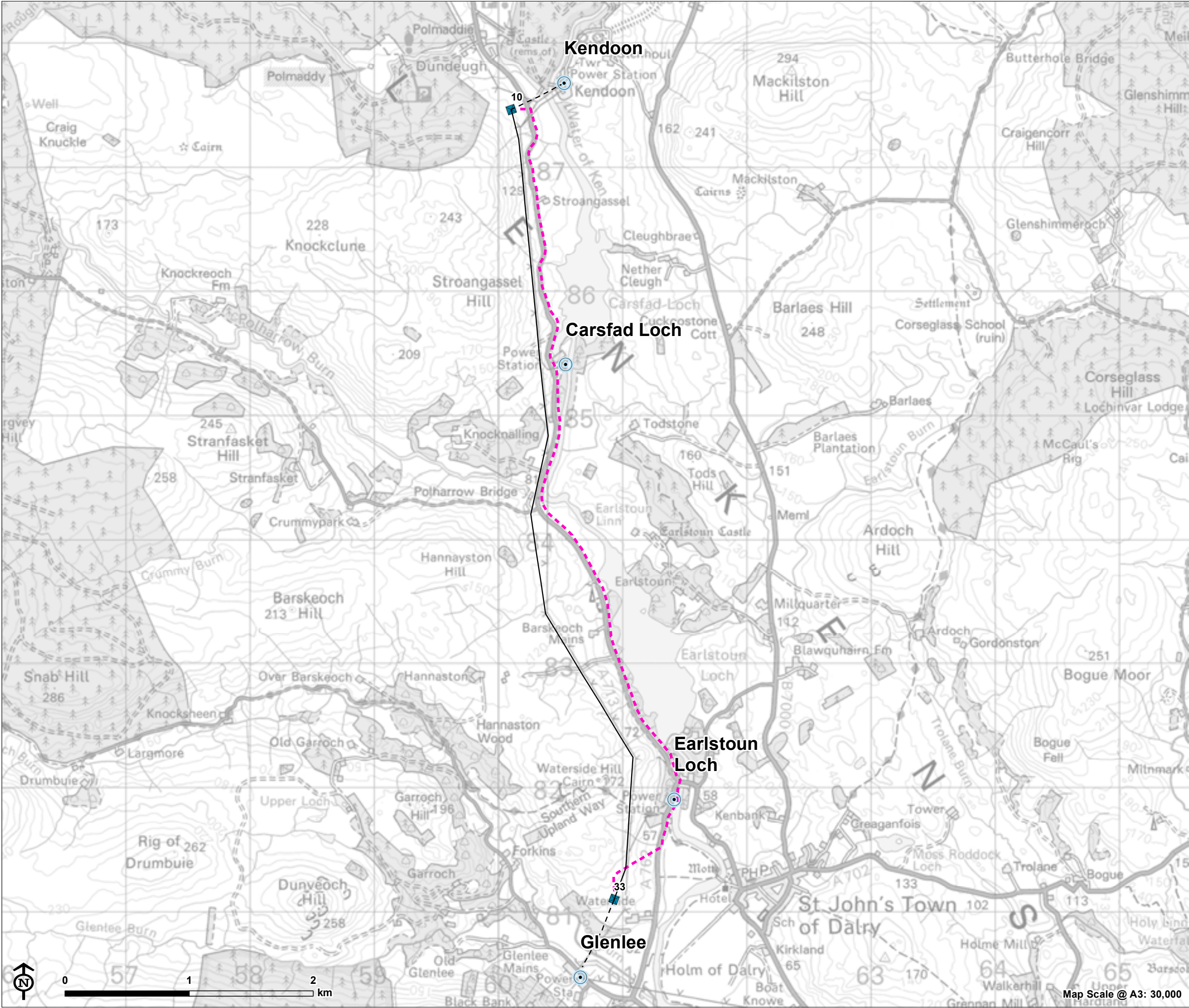
Preferred Underground Cable Option

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

Overhead Line Connection

- Polquhany to Glenlee via Kendoon (steel lattice tower)
- Proposed KTR Project Overhead Line Connection
- Proposed KTR Project Overhead Line Connection (relevant to both UGC1 and KTR OHL option)



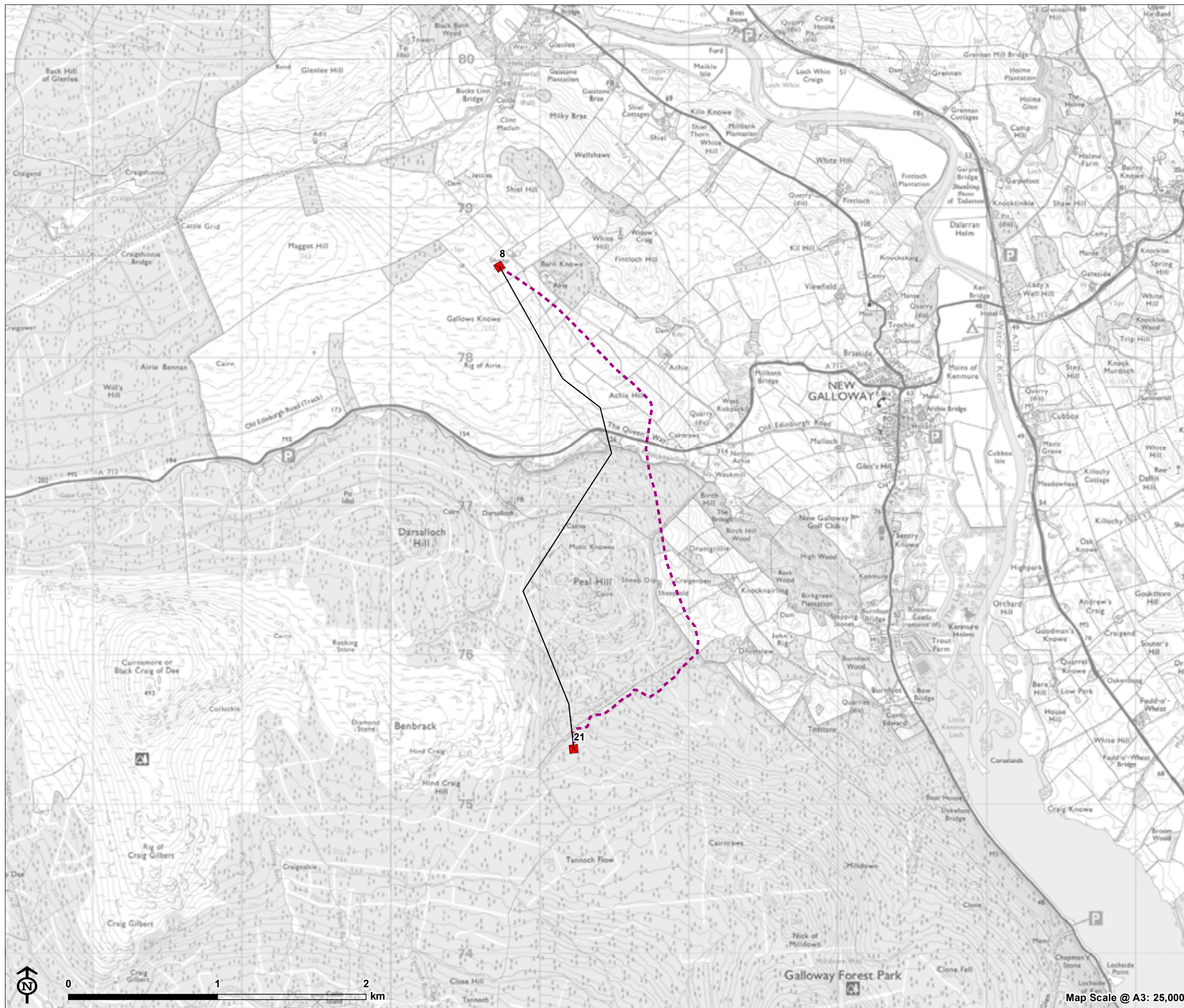


KTR Undergrounding Study

Figure 4.2: Stage 2 Preferred Route Options with Proposed OHL equivalent

- Preferred Underground Cable Option**
- UGC2B
- Substation and hydro electricity generating station**
- Substation and hydro electricity generating station
- Overhead Line Connection**
- Polquharity to Glenlee via Kendoon (steel lattice tower)
 - Proposed KTR Project Overhead Line Connection
 - Proposed KTR Project Overhead Line Connection (relevant to both UGC2 and KTR OHL option)





KTR Undergrounding Study

Figure 4.3: Stage 2 Preferred Route Options with Proposed OHL equivalent

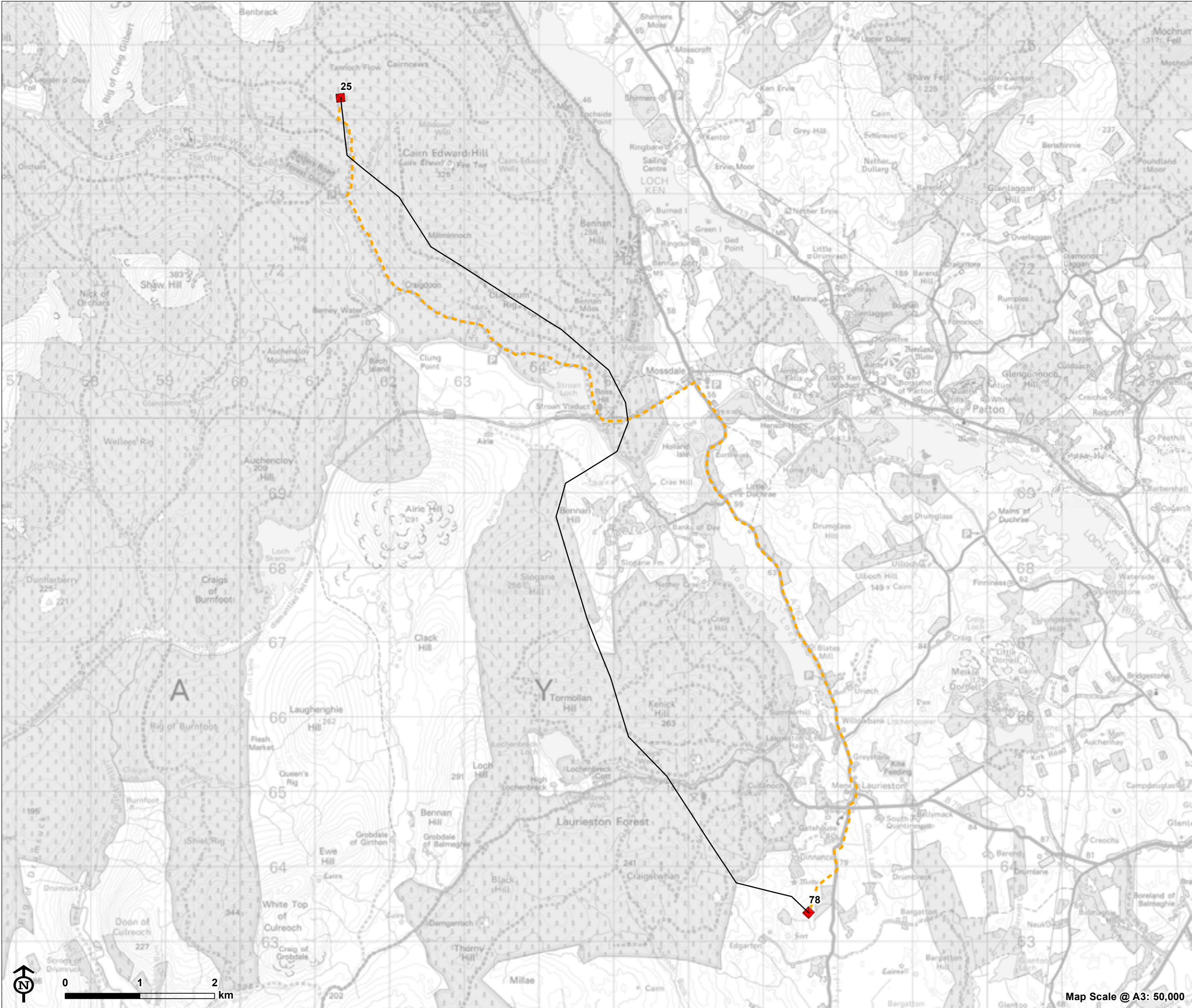
Preferred Underground Cable Option

--- UGC3A

Overhead Line Connection

- Glenlee to Tongland (steel lattice tower)
- Proposed KTR Project Overhead Line Connection





KTR Undergrounding Study

Figure 4.4: Stage 2 Preferred Route Options with Proposed OHL equivalent

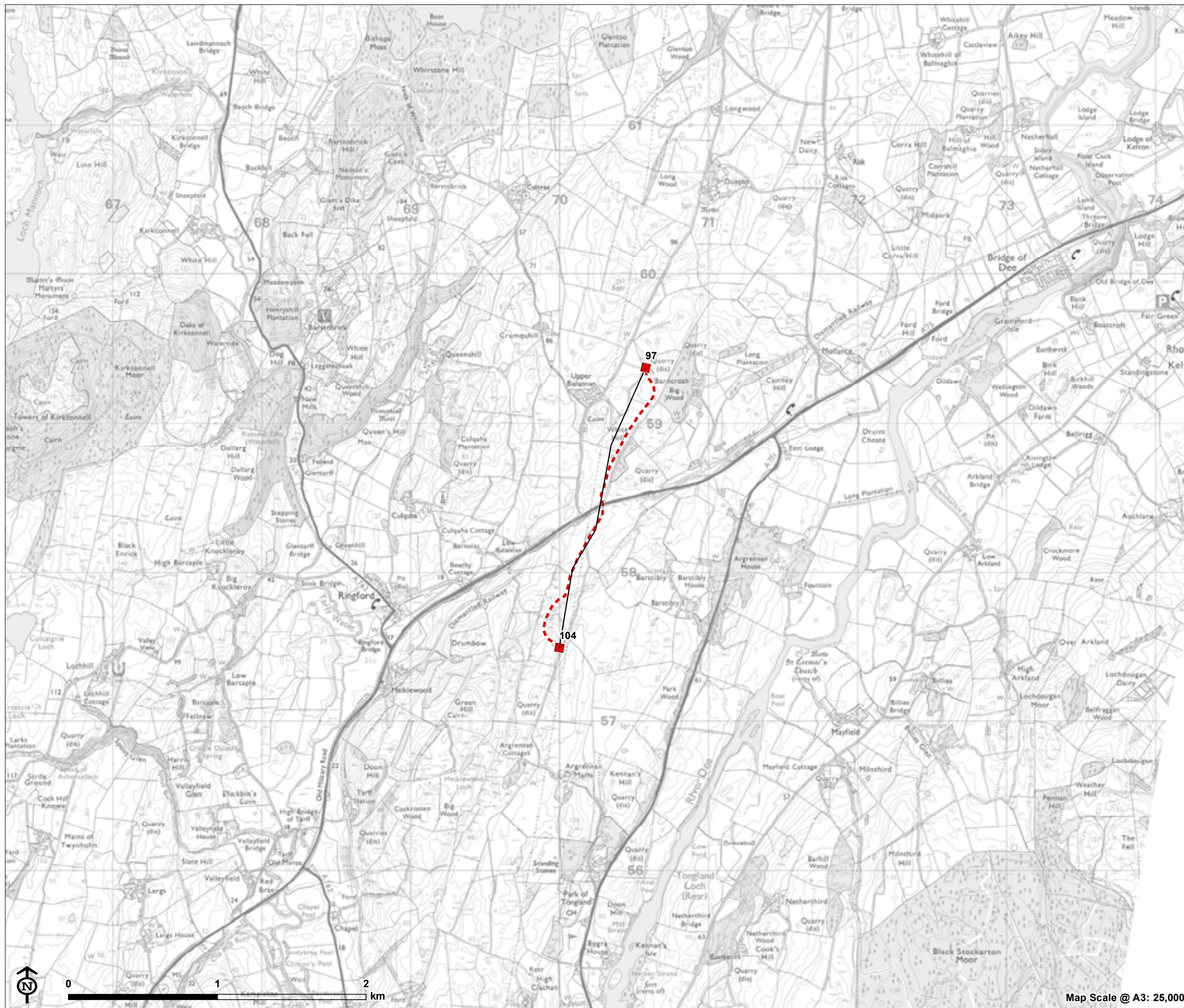
Preferred Underground Cable Option

--- UGC4C

Overhead Line Connection

- Glenlee to Tongland (steel lattice tower)
- Proposed KTR Project Overhead Line Connection





KTR Undergrounding Study

Figure 4.5: Stage 2 Preferred Route Options with Proposed OHL equivalent

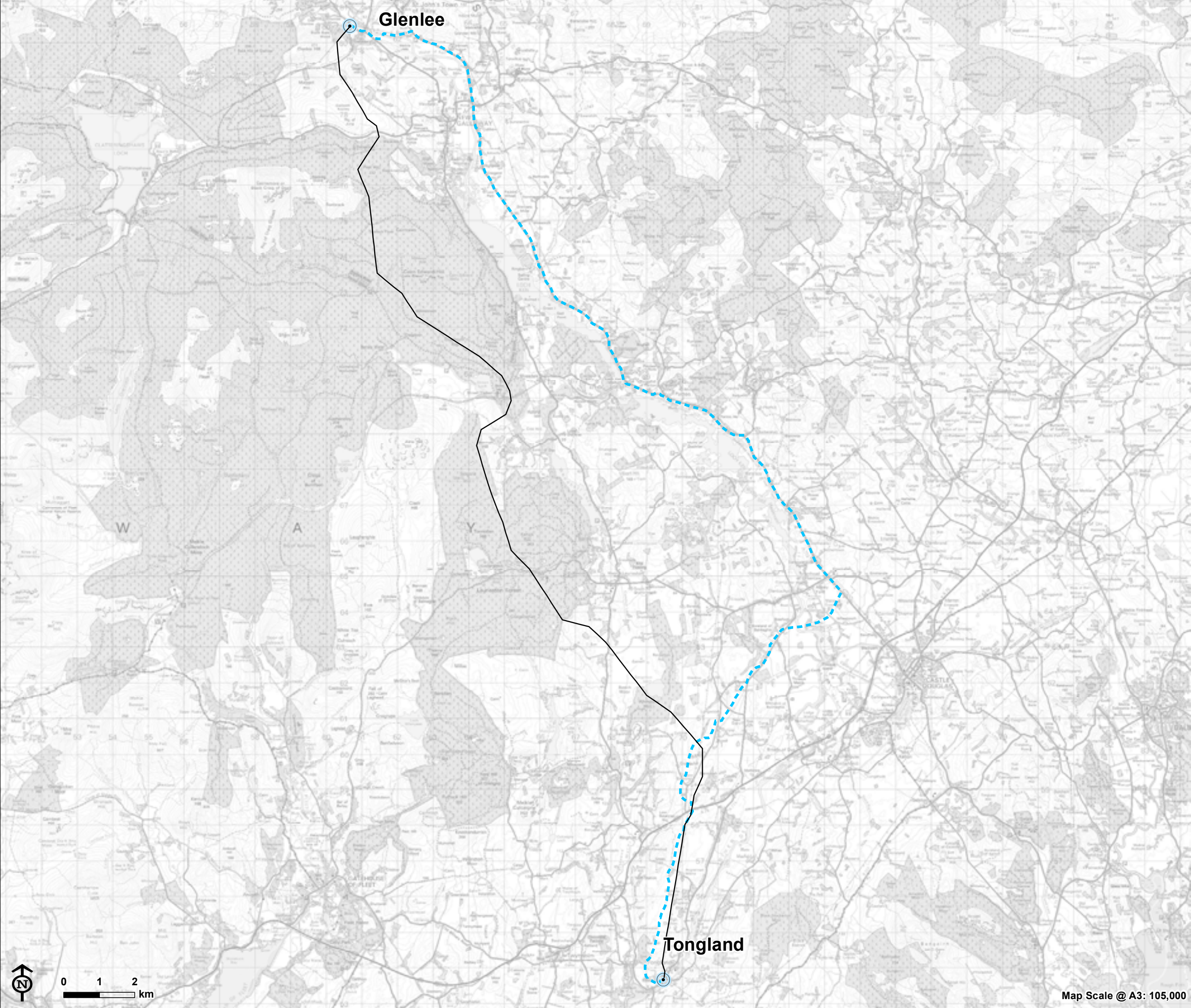
Preferred Underground Cable Option

--- UGC5A

Overhead Line Connection

- Glenlee to Tongland (steel lattice tower)
- Proposed KTR Project Overhead Line Connection





KTR Undergrounding Study

Figure 4.6: Stage 2 Preferred Route Options with Proposed OHL equivalent

- Preferred Underground Cable Option
- UGC6E
 - Substation and hydro electricity generating station
 - Proposed KTR Project Overhead Line Connection

