Scottish & Southern Electricity Networks

TRANSMISSION

LUC

340

740000m.N

S193
S194
S195
S196
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G
D
1
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12
13
Prieston Hill
Craigowl Hill
Balluderon Hill
Balkello Woodland
Fithie Burn

N

Scale @ A3: 1:15,000

0 0.25 0.5 1 1.5 km

340000m.E

Proposed Development

- Tower Location and number
- Proposed Alignment
- Downlead
- Proposed Development Limit of Deviation (LOD)

Access

- Existing to be upgraded
- Proposed new stone permanent
- Proposed new stone temporary

Bellmouth type

- Proposed new
- Existing to be upgraded

Temporary working areas

- Tower working area
- Proposed conductor pulling area (Equipotential Zone (EPZ))

Intra (Associated) Developments

- Proposed Emmock 400 kV substation (Angus Council Reference 24/00699/FULN)

Watercourse crossing/buffer encroachment

Crossing type and ID

- Existing
- Proposed

Buffer encroachment type and ID

- Permanent

Watercourses and Scottish Environment Protection Agency (SEPA) recommended riparian corridors

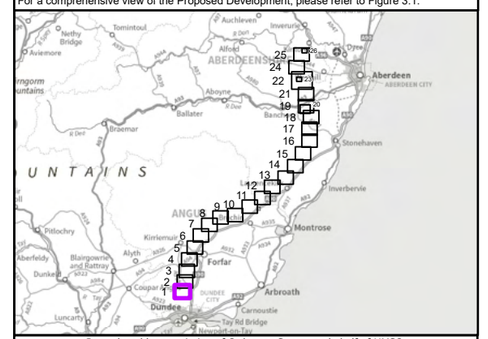
- Ordnance Survey watercourse lines and surface water areas
- 10 m Buffer
- 15 m Buffer

Flooding

- Future river flooding - By the 2080s, each year this area may have a 0.5% chance of flooding
- Future surface water and small watercourse flooding - By the 2070s, each year this area may have a 0.5% chance of flooding

Note: Details of each watercourse crossing and buffer encroachment (referenced by ID number) are provided in Volume 5, Appendix 13.1: Watercourse Crossing and Buffer Encroachment Assessment and discussed in Section 13.6 of Chapter 13: Hydrology, Hydrogeology, Geology and Soils. There are a few locations where small watercourses do not have a mapped SEPA riparian buffer, however these watercourses should also be buffered by a minimum of 10 m.

For a comprehensive view of the Proposed Development, please refer to Figure 3.1.



Project No: LT455

Project: Kintore to Tealing 400 kV Overhead Line

Title:

Hydrology, Flood Risk and Buffers

Drawn by: MS Date: 22/08/2025

Drawing: 13.2.1

Scottish & Southern Electricity Networks

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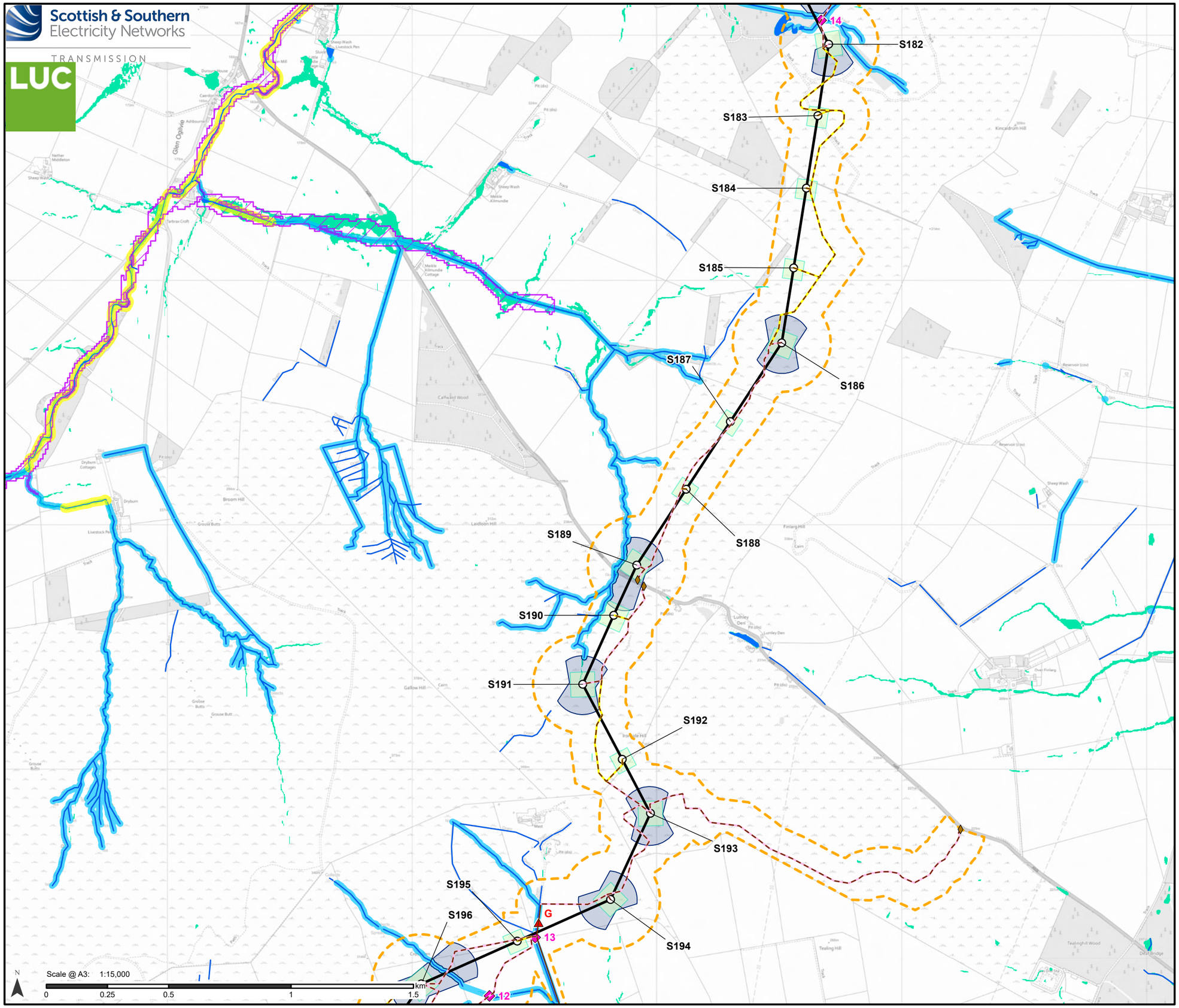

340 000m.E

Proposed Development

- Tower Location and number
- Proposed Alignment
- Proposed Development Limit of Deviation (LOD)

Access

- Existing to be upgraded
- Proposed new stone permanent
- Proposed new stone temporary

Bellmouth type

- Proposed new

Temporary working areas

- Tower working area
- Proposed conductor pulling area (Equipotential Zone (EPZ))

Watercourse crossing/buffer encroachment

Crossing type and ID

- Existing
- Proposed

Buffer encroachment type and ID

- Permanent

Watercourses and Scottish Environment Protection Agency (SEPA) recommended riparian corridors

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- 15 m Buffer

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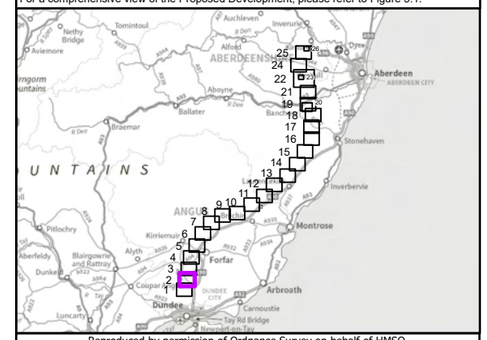

Project No: LT455

Project: Kintore to Tealing 400 kV Overhead Line

Title:

Hydrology, Flood Risk and Buffers

Drawn by: MS Date: 22/08/2025

Drawing: 13.2.2

Scottish & Southern Electricity Networks

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16
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14
Kerbet Water
Glamis
Charleston
Milton of Ogilvie
Douglas
Kirkton
Montrose
Forfar
Arbroath
Dundee
Aberdeen

Scale @ A3: 1:15,000

N

0 0.25 0.5 1 1.5 km

340000m.E

Proposed Development
- Tower Location and number
- Proposed Alignment
- Proposed Development Limit of Deviation (LOD)

Access
- Existing to be upgraded
- Proposed new stone permanent
- Proposed new stone temporary

Bellmouth type
- Proposed new
- Existing to be upgraded

Temporary working areas
- Tower working area
- Proposed conductor pulling area (Equipotential Zone (EPZ))

Watercourse crossing/buffer encroachment

Crossing type and ID
- Proposed

Buffer encroachment type and ID
- Permanent
- Temporary

Watercourses and Scottish Environment Protection Agency (SEPA) recommended riparian corridors
- Ordnance Survey watercourse lines and surface water areas
- 10 m Buffer
- 15 m Buffer

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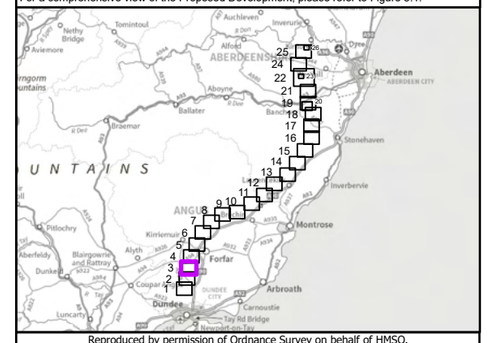

Project No: LT455

Project: Kintore to Tealing 400 kV Overhead Line

Title:

Hydrology, Flood Risk and Buffers

Drawn by: MS Date: 22/08/2025

Drawing: 13.2.3

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Drumgley
Dean Water
Kerbet Water

Scale @ A3: 1:15,000
0 0.25 0.5 1 1.5 km

340000m.E

Proposed Development
- Tower Location and number
- Proposed Alignment
- Proposed Development Limit of Deviation (LOD)

Access
- Existing to be upgraded
- Proposed new stone permanent
- Proposed new stone temporary

Bellmouth type
- Existing to be upgraded

Temporary working areas
- Tower working area
- Proposed conductor pulling area (Equipotential Zone (EPZ))

Watercourse crossing/buffer encroachment

Crossing type and ID
- Existing
- Proposed

Buffer encroachment type and ID
- Permanent
- Temporary

Watercourses and Scottish Environment Protection Agency (SEPA) recommended riparian corridors
- Ordnance Survey watercourse lines and surface water areas
- 10 m Buffer
- 15 m Buffer

Flooding
- Future river flooding - By the 2080s, each year this area may have a 0.5% chance of flooding
- Future surface water and small watercourse flooding - By the 2070s, each year this area may have a 0.5% chance of flooding

Note: Details of each watercourse crossing and buffer encroachment (referenced by ID number) are provided in Volume 5, Appendix 13.1: Watercourse Crossing and Buffer Encroachment Assessment and discussed in Section 13.6 of Chapter 13: Hydrology, Hydrogeology, Geology and Soils. There are a few locations where small watercourses do not have a mapped SEPA riparian buffer, however these watercourses should also be buffered by a minimum of 10 m.

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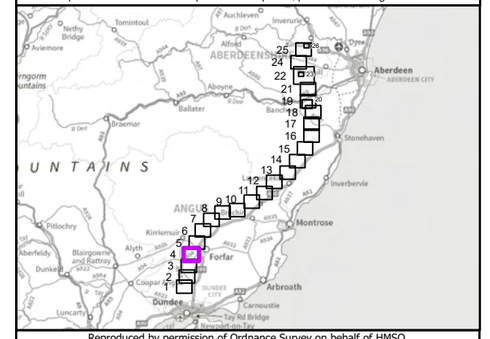

Project No:	LT455
Project:	Kintore to Tealing 400 kV Overhead Line
Title:	Hydrology, Flood Risk and Buffers
Drawn by:	MS
Date:	22/08/2025
Drawing:	13.2.4

Scottish & Southern Electricity Networks

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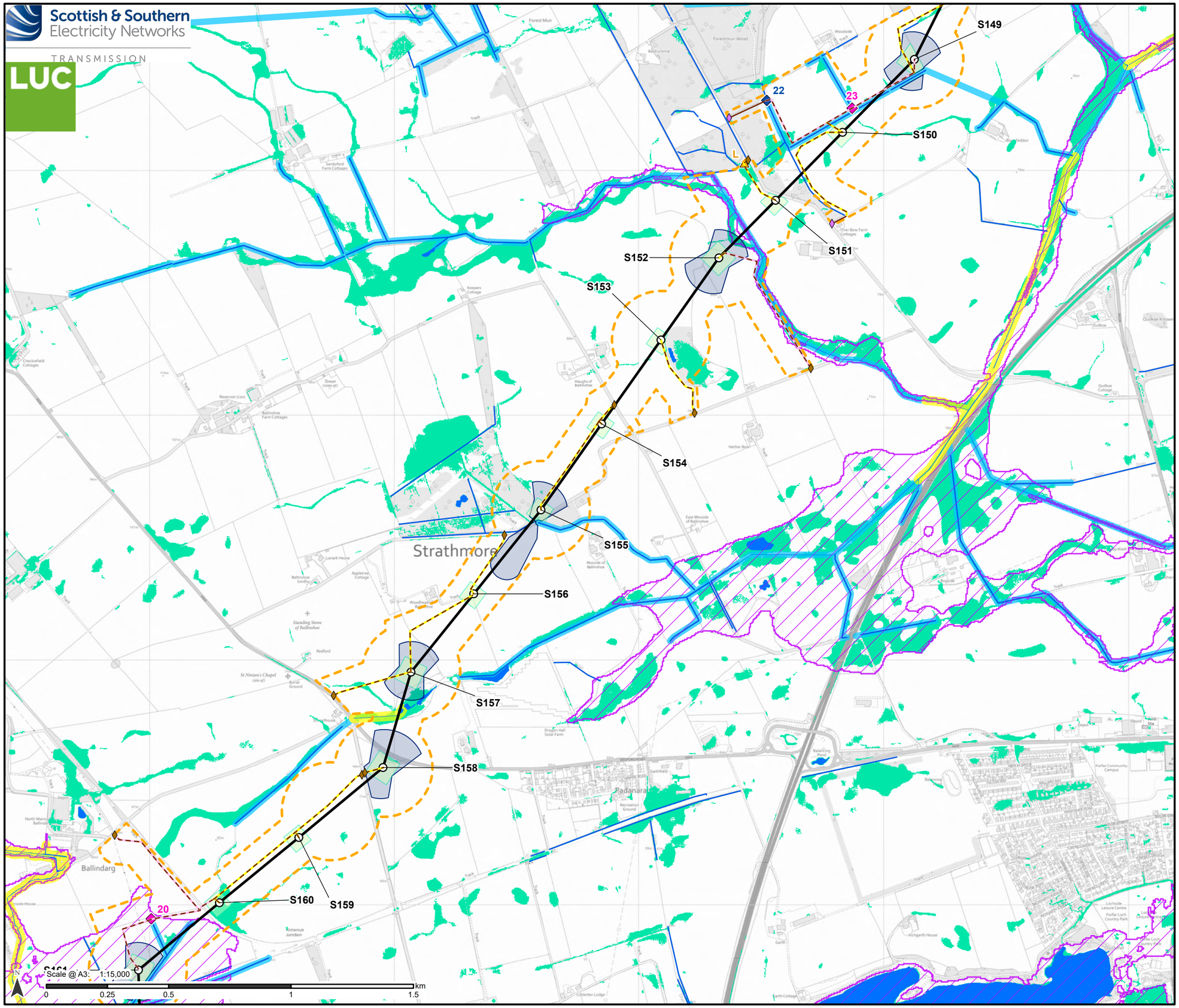

Proposed Development

- Tower Location and number
- Proposed Alignment
- Proposed Development Limit of Deviation (LOD)

Access

- Existing to be upgraded
- Proposed new stone permanent
- Proposed new stone temporary

Bellmouth type

- Proposed new
- Existing to be upgraded

Temporary working areas

- Tower working area
- Proposed conductor pulling area (Equipotential Zone (EPZ))

Watercourse crossing/buffer encroachment

Crossing type and ID

- Existing
- Proposed

Buffer encroachment type and ID

- Temporary

Watercourses and Scottish Environment Protection Agency (SEPA) recommended riparian corridors

- Ordnance Survey watercourse lines and surface water areas
- 10 m Buffer
- 15 m Buffer

Flooding

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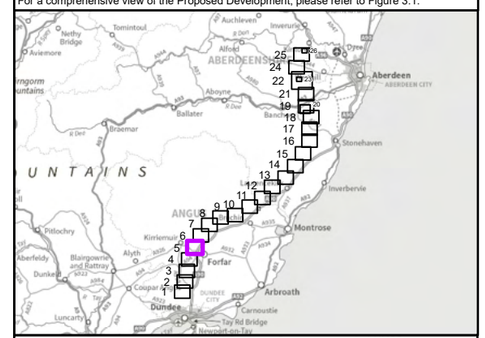

Project No: LT455

Project: Kintore to Tealing 400 kV Overhead Line

Title:

Hydrology, Flood Risk and Buffers

Drawn by: MS Date: 22/08/2025

Drawing: 13.2.5

Scottish & Southern Electricity Networks

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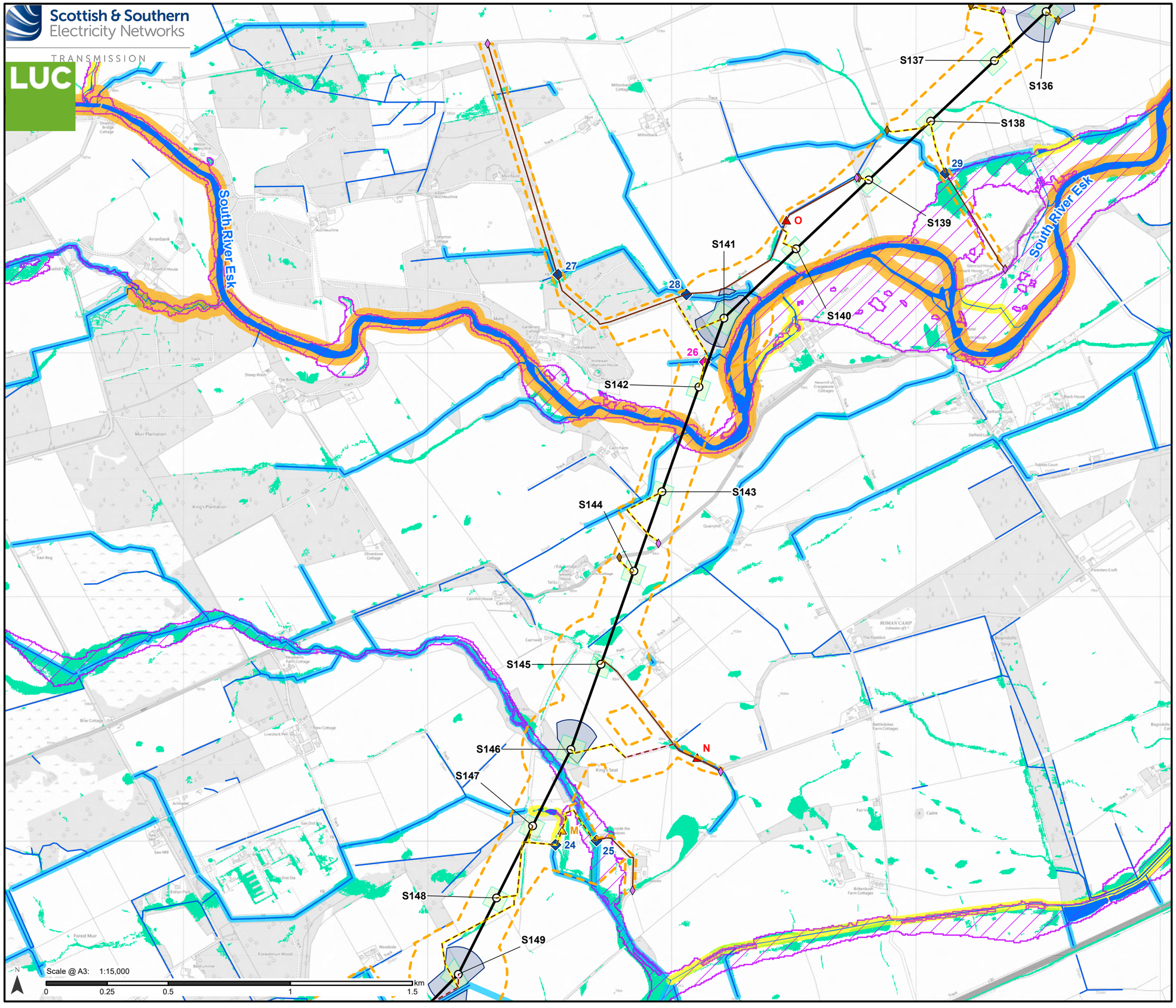

Proposed Development

- Tower Location and number
- Proposed Alignment
- Proposed Development Limit of Deviation (LOD)

Access

- Existing to be upgraded
- Proposed new stone permanent
- Proposed new stone temporary

Bellmouth type

- Proposed new
- Existing to be upgraded

Temporary working areas

- Tower working area
- Proposed conductor pulling area (Equipotential Zone (EPZ))

Watercourse crossing/buffer encroachment

Crossing type and ID

- Existing
- Proposed

Buffer encroachment type and ID

- Permanent
- Temporary

Watercourses and Scottish Environment Protection Agency (SEPA) recommended riparian corridors

- Ordnance Survey watercourse lines and surface water areas
- 10 m Buffer
- 15 m Buffer
- 30 m Buffer

Flooding

- Future river flooding - By the 2080s, each year this area may have a 0.5% chance of flooding
- Future surface water and small watercourse flooding - By the 2070s, each year this area may have a 0.5% chance of flooding

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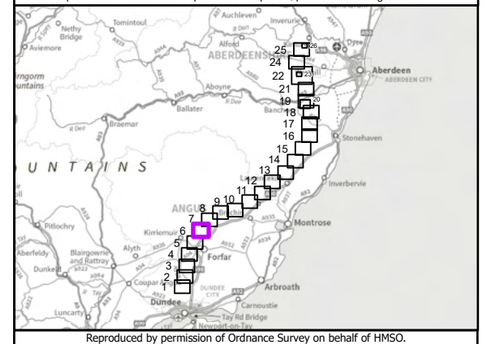


Project No: LT455

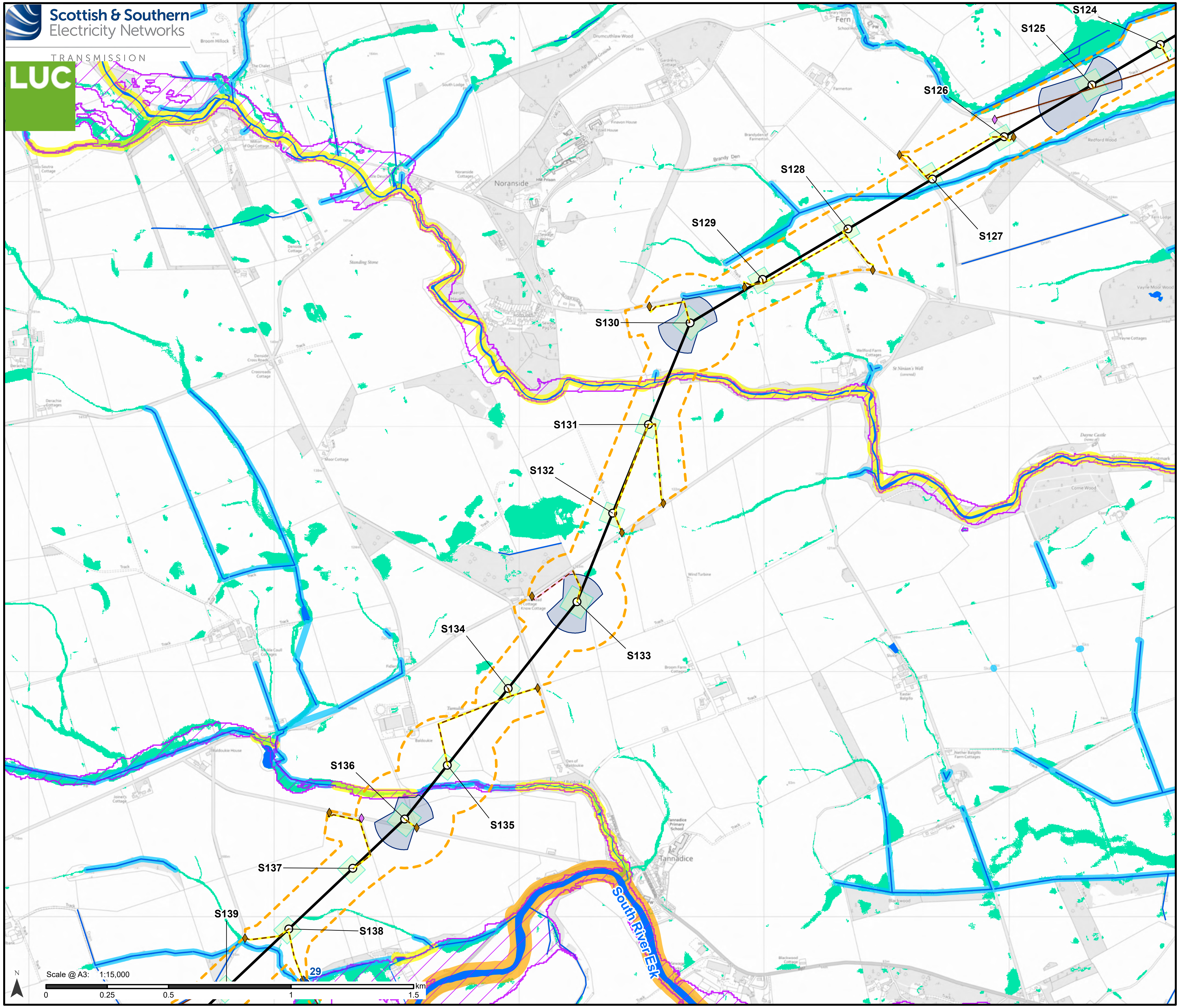
Project: Kintore to Tealing 400 kV Overhead Line

Title:

Hydrology, Flood Risk and Buffers

Drawn by: MS Date: 22/08/2025

Drawing: 13.2.6



Proposed Development

- Tower Location and number
- Proposed Alignment
- Proposed Development Limit of Deviation (LOD)

Access

- Existing to be upgraded
- Proposed new stone permanent
- Proposed new stone temporary

Bellmouth type

- Proposed new
- Existing to be upgraded

Temporary working areas

- Tower working area
- Proposed conductor pulling area (Equipotential Zone (EPZ))

Watercourse crossing/buffer encroachment

Crossing type and ID

- Existing

Watercourses and Scottish Environment Protection Agency (SEPA) recommended riparian corridors

- Ordnance Survey watercourse lines and surface water areas
- 10 m Buffer
- 15 m Buffer
- 30 m Buffer

Flooding

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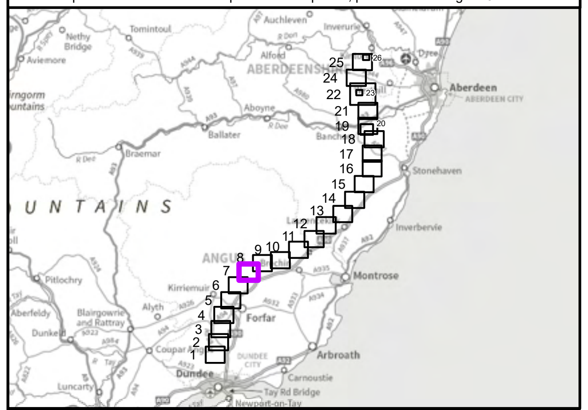


Project No: LT455

Project: Kintore to Tealing 400 kV Overhead Line

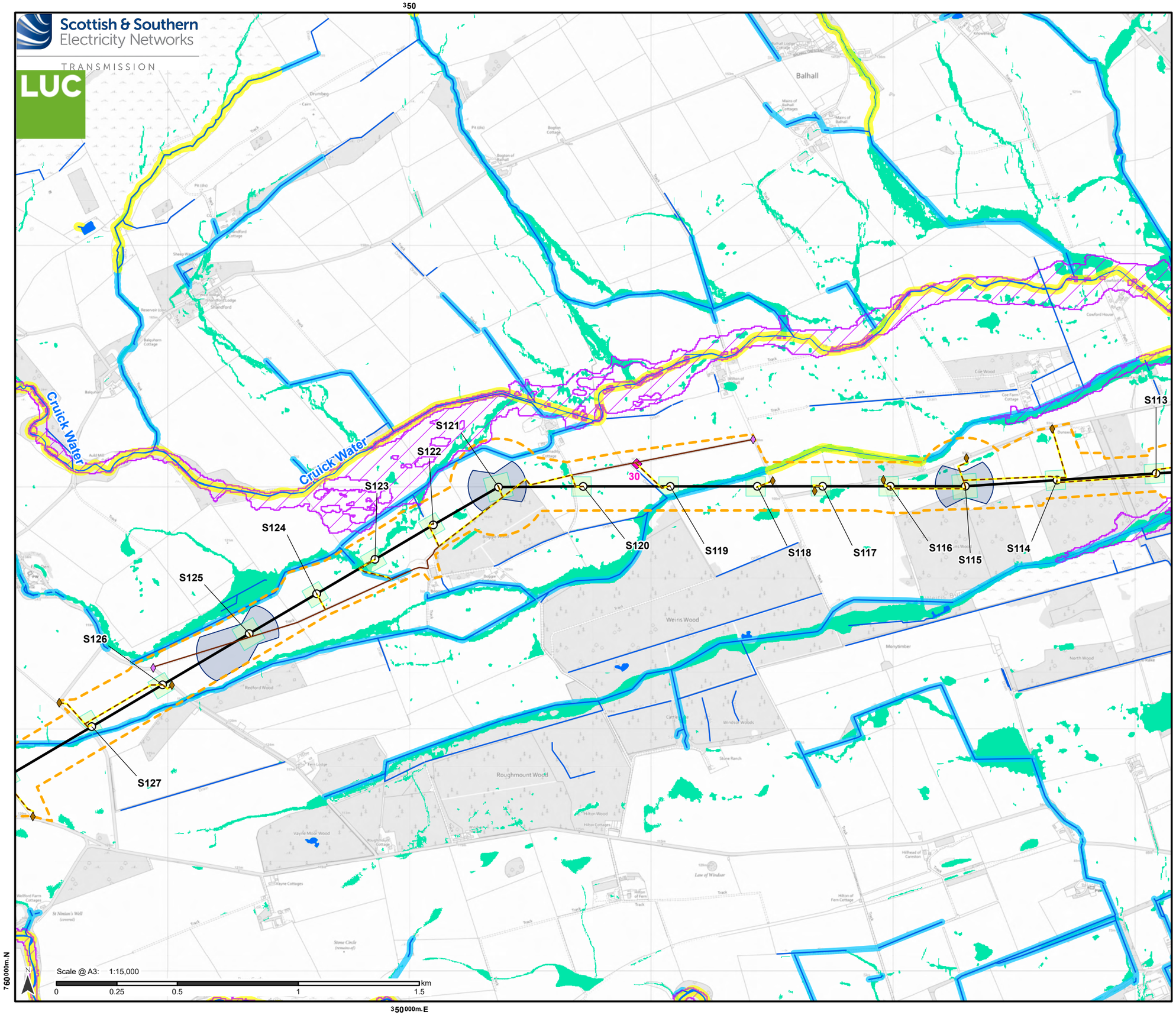
Title:

Hydrology, Flood Risk and Buffers

Drawn by: MS

Date: 22/08/2025

Drawing: 13.2.7



Proposed Development

- Tower Location and number
- Proposed Alignment
- Proposed Development Limit of Deviation (LOD)

Access

- Existing to be upgraded
- Proposed new stone temporary

Bellmouth type

- Proposed new
- Existing to be upgraded

Temporary working areas

- Tower working area
- Proposed conductor pulling area (Equipotential Zone (EPZ))

Watercourse crossing/buffer encroachment

Crossing type and ID

- Proposed

Watercourses and Scottish Environment Protection Agency (SEPA) recommended riparian corridors

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- 10 m Buffer
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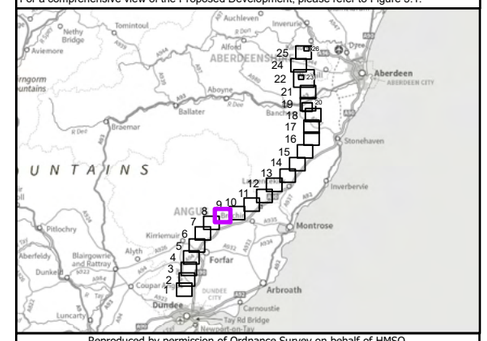

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Project:	Kintore to Tealing 400 kV Overhead Line
Title:	Hydrology, Flood Risk and Buffers
Drawn by:	MS
Date:	22/08/2025
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Scottish & Southern Electricity Networks

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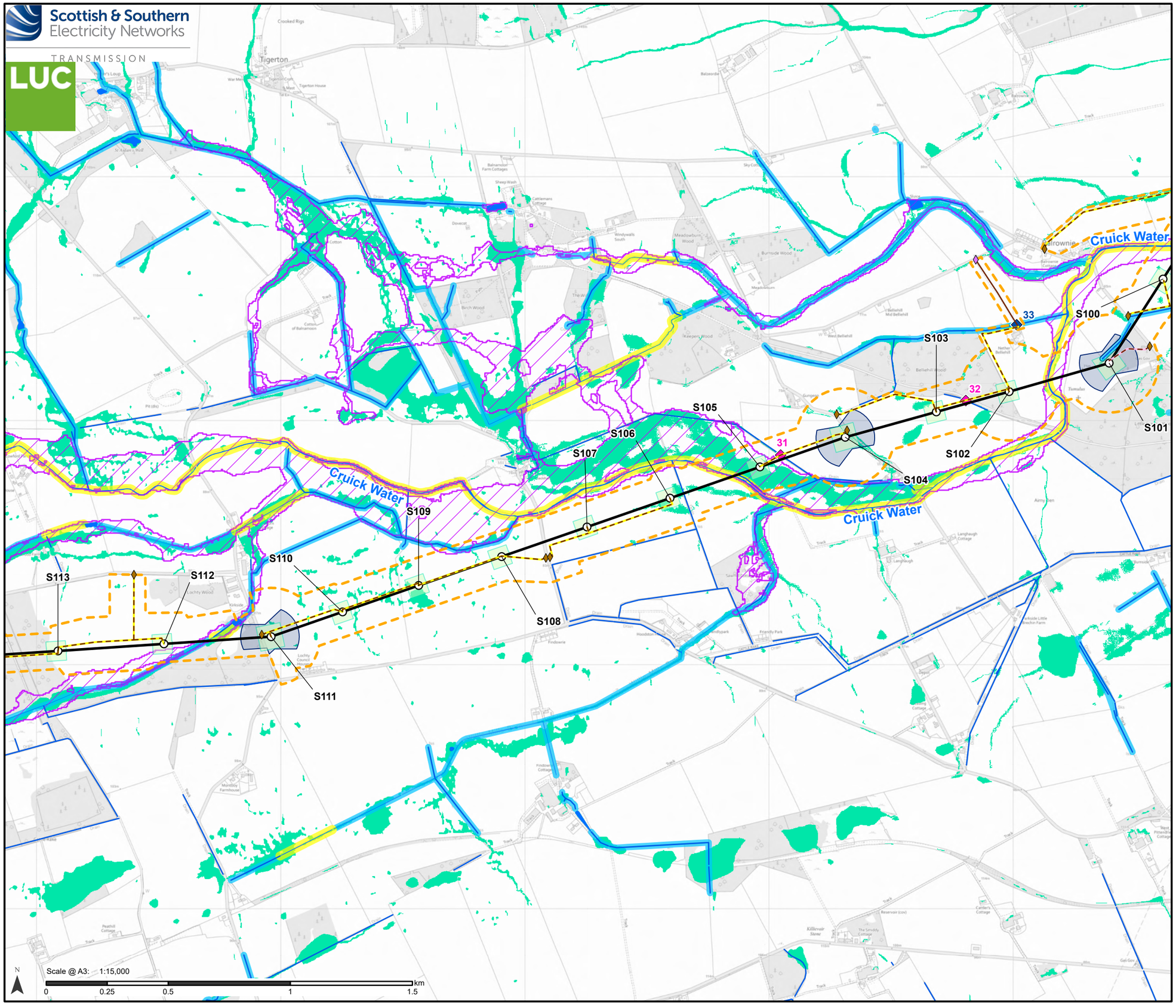

Proposed Development

- Tower Location and number
- Proposed Alignment
- Proposed Development Limit of Deviation (LOD)

Access

- Existing to be upgraded
- Proposed new stone permanent
- Proposed new stone temporary

Bellmouth type

- Proposed new
- Existing to be upgraded

Temporary working areas

- Tower working area
- Proposed conductor pulling area (Equipotential Zone (EPZ))

Watercourse crossing/buffer encroachment

Crossing type and ID

- Existing
- Proposed

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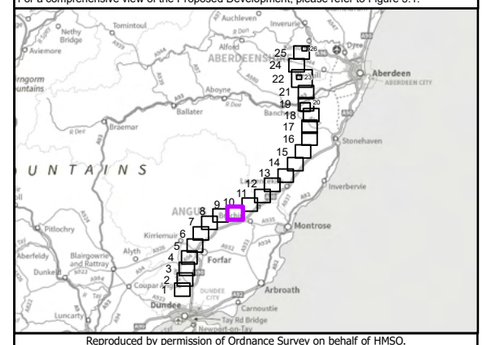

Project No: LT455

Project: Kintore to Tealing 400 kV Overhead Line

Title:

Hydrology, Flood Risk and Buffers

Drawn by: MS Date: 22/08/2025

Drawing: 13.2.9