
APPENDIX K – Primary and Secondary Option Figures

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Notes:

Key:

- Dredging - 5 metres depth, 2450 metres extent
- Re-profiling of the Water of Ruchill, 1400 metres
- Re-profiling of the River Earn, 1400 metres
- Re-profiling of the River Lednock, 500 metres

Scale:

0 m 200 m 400 m 600 m



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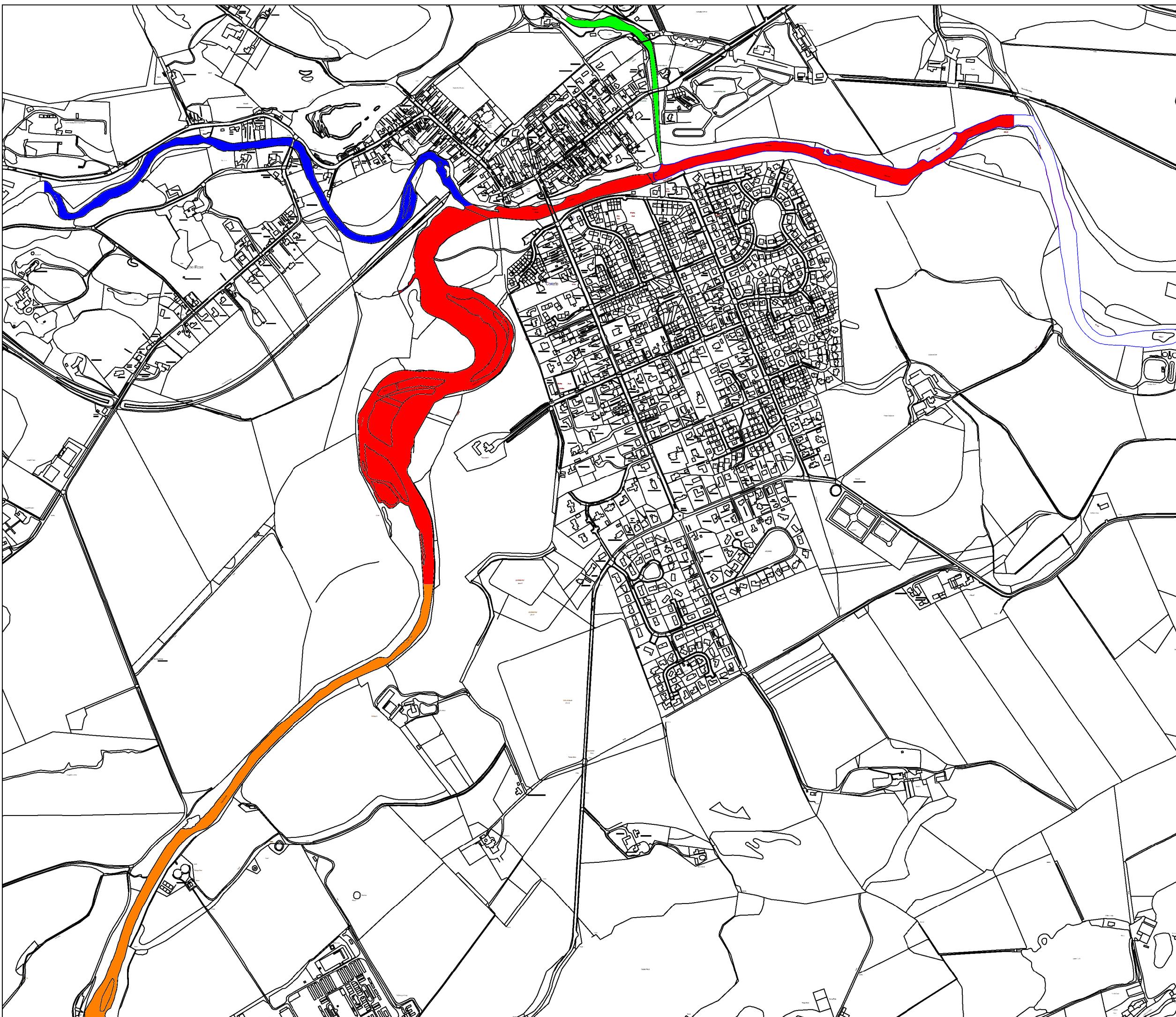
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Figure 13 - Option P1 - Dredging





Notes:

The location of the defences shown is approximate and the precise alignment of the defences will have to be confirmed in the next phase of the project.

Key:

- Locations of Watercourses
- River Flow Direction
- Wall Flood Defences
- Embankment Flood Defences

Scale:



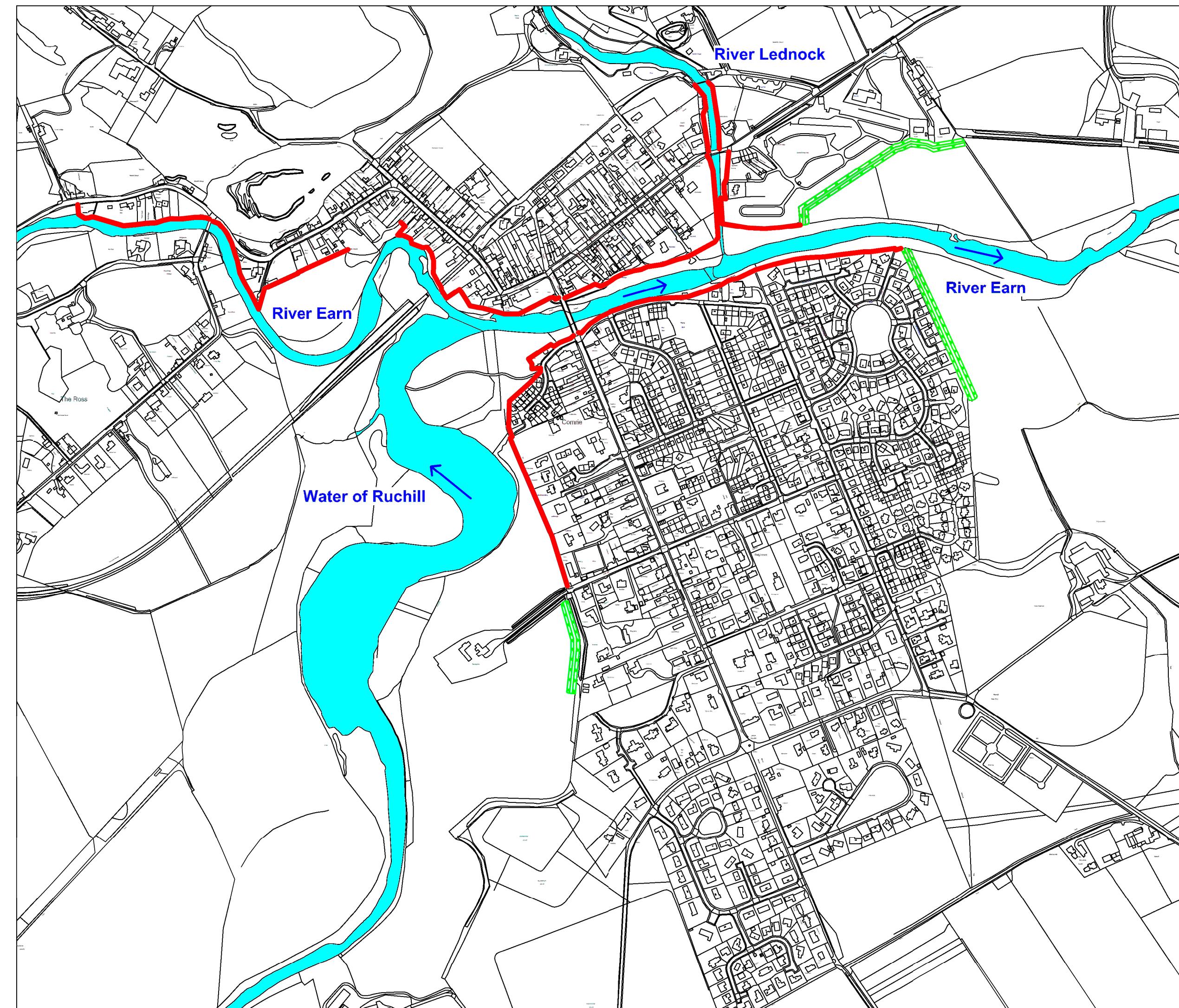
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Figure 14 - Option P2 - Walls and Embankments





Notes:

Key:

- Location of Comrie
- Upstream Storage Areas
- Proposed Dam Locations
- River Earn
- Water of Ruchill
- River Lednock

Scale:

0 m 500 m 1000 m 1500 m



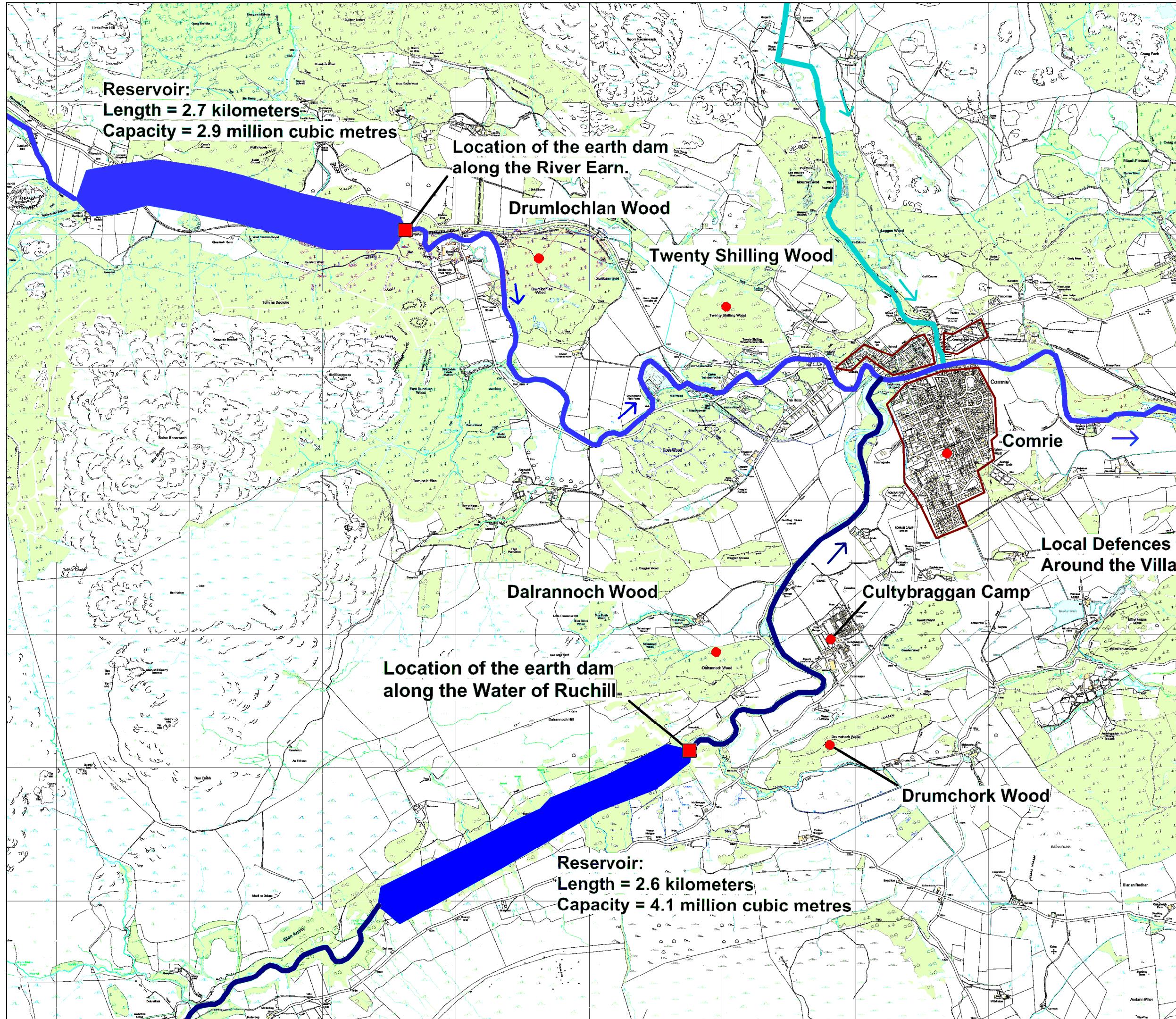
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Figure 15 - Option P3 - Upstream Storage Only





Notes:

Key:

- Location of Comrie
- Upstream Storage Areas
- Proposed Dam Locations
- River Earn
- Water of Ruchill
- River Lednock

Scale:

0 m 500 m 1000 m 1500 m



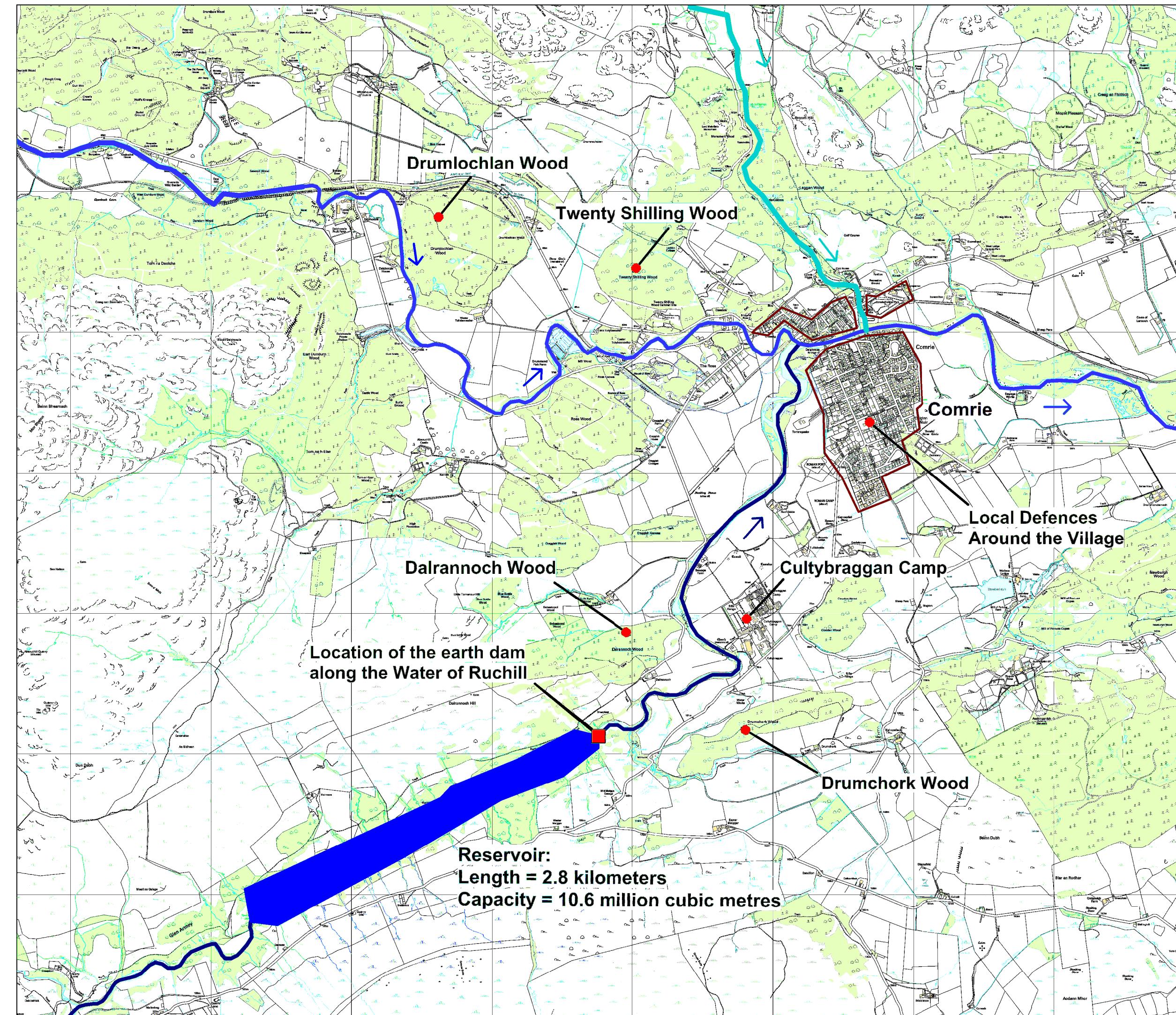
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Figure 16 - Option P4 - Local Defences & Upstream Storage on Water of Ruchill





Notes:

The location of the defences shown is approximate and the precise alignment of the defences will have to be confirmed in the next phase of the project.

Key:

- Locations of Watercourses
- River Flow Direction
- Wall Flood Defences
- Embankment Flood Defences

Scale:



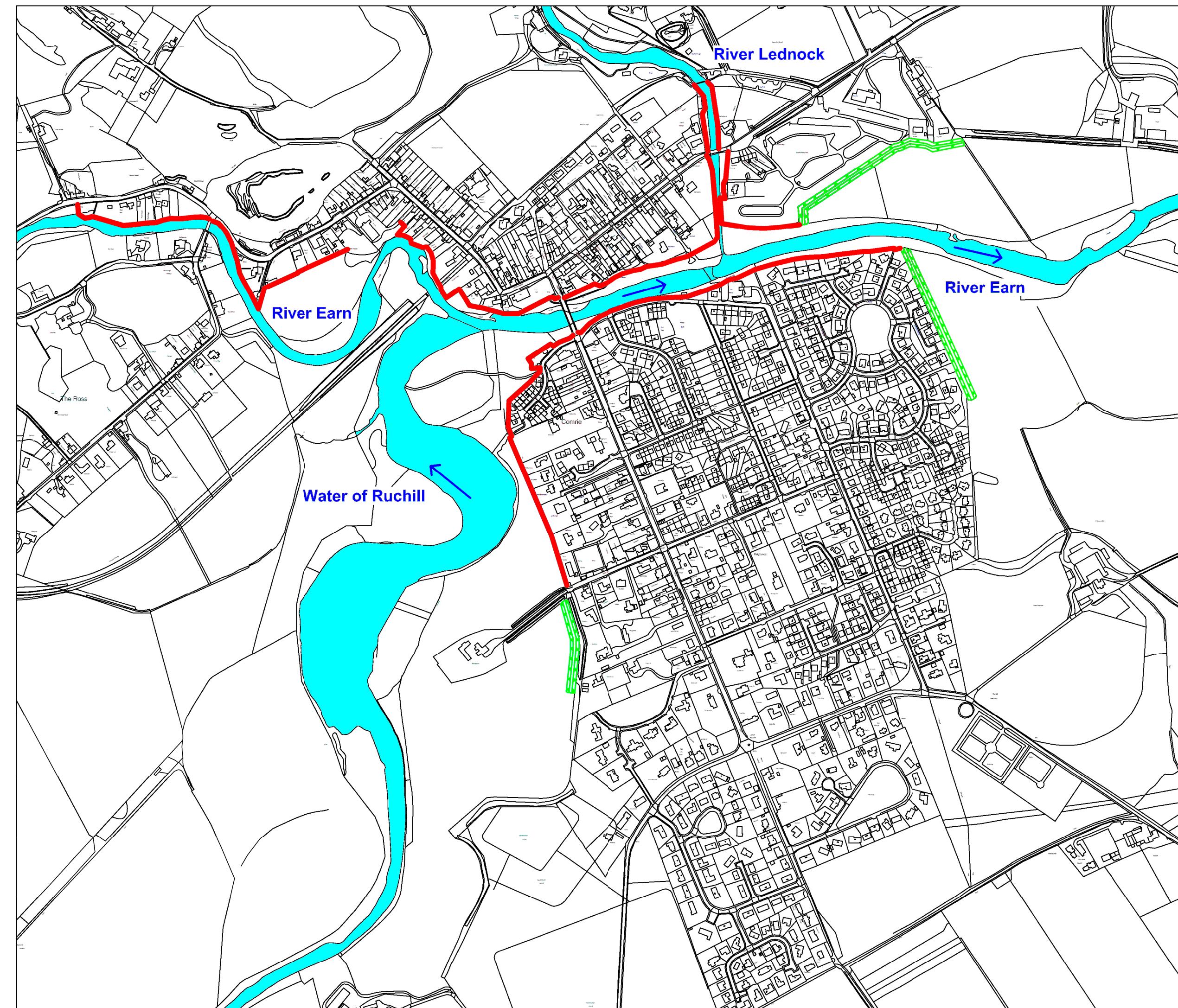
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Figure 17 - Option P4 - Walls and Embankments PLUS Upstream Storage on the Waters of Ruchill





Reservoir:
Length = 3.2 kilometers
Capacity = 4.0 million cubic metres

Location of the earth dam
along the River Earn.

Drumlochlan Wood

Twenty Shilling Wood

Dalrannoch Wood

Cultybraggan Camp

Drumchork Wood

Notes:

Key:



Location of Comrie



Upstream Storage Areas



Proposed Dam Locations



River Earn



Water of Ruchill



River Lednock

Scale:

0 m 500 m 1000 m 1500 m



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Figure 18 - Option P5 - Local Defences & Upstream Storage on The River Earn



Notes:

The location of the defences shown is approximate and the precise alignment of the defences will have to be confirmed in the next phase of the project.

Key:

- Locations of Watercourses
- River Flow Direction
- Wall Flood Defences
- Embankment Flood Defences

Scale:



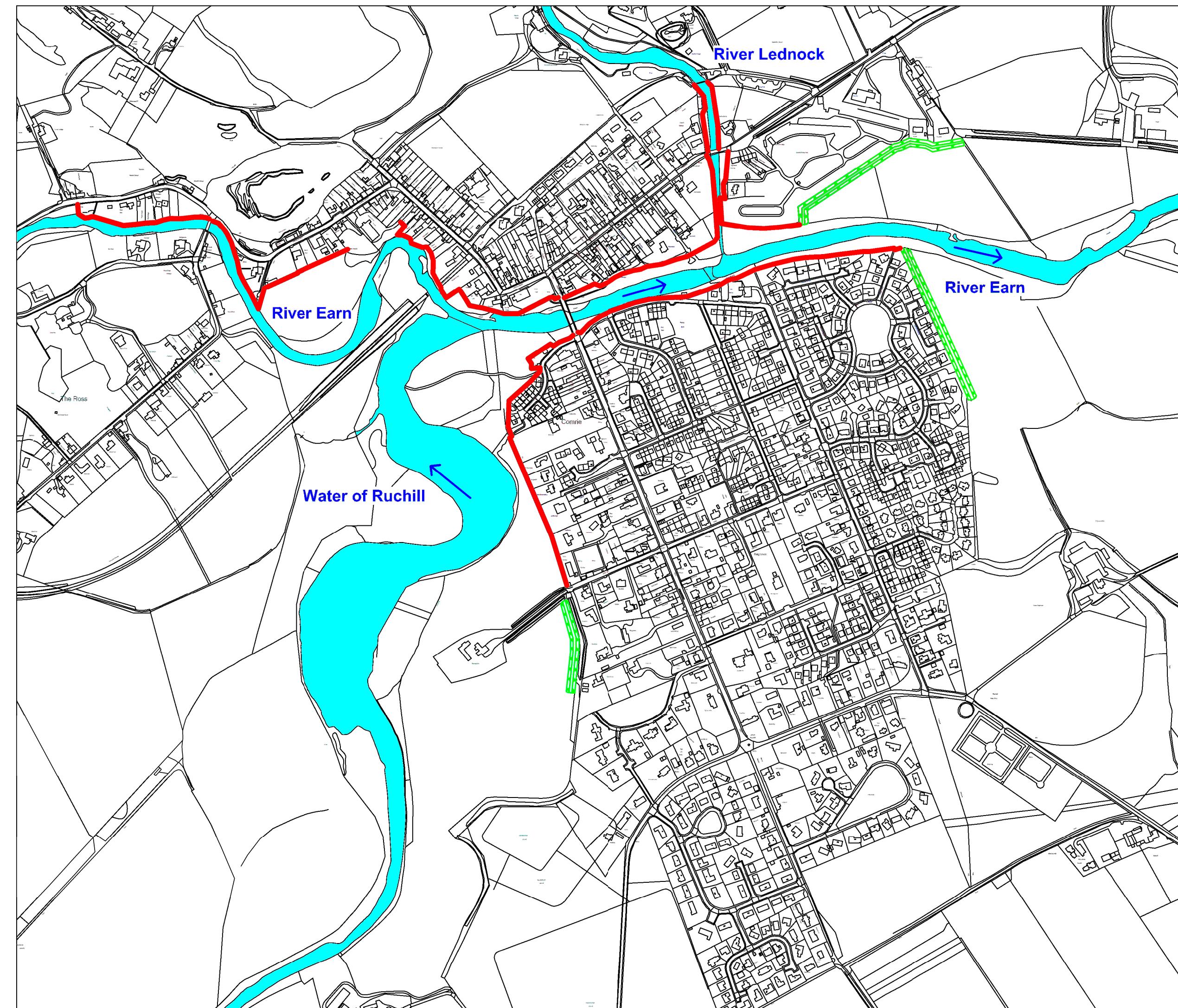
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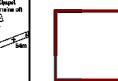
Figure 19 - Option P5 - Walls and Embankments PLUS Upstream Storage on the River Earn



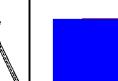


Notes:

Key:



Location of Comrie



Upstream Storage Areas



Proposed Dam Locations



River Earn



Water of Ruchill



River Lednock

**Reservoir:
Length = 1.4 kilometers
Capacity = 1.2 million cubic metres**

**Location of the earth dam
along the River Lednock.**

Drumlochlan Wood

Twenty Shilling Wood

Comrie

**Local Defences
Around the Village**

Dalrannoch Wood

Cultybraggan Camp

Drumchork Wood

Scale:

0 m 500 m 1000 m 1500 m



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**Figure 20 - Option P6 - Local
Defences & Upstream Storage
on The River Lednock**



Notes:

The location of the defences shown is approximate and the precise alignment of the defences will have to be confirmed in the next phase of the project.

Key:

- Locations of Watercourses
- River Flow Direction
- Wall Flood Defences
- Embankment Flood Defences

Scale:



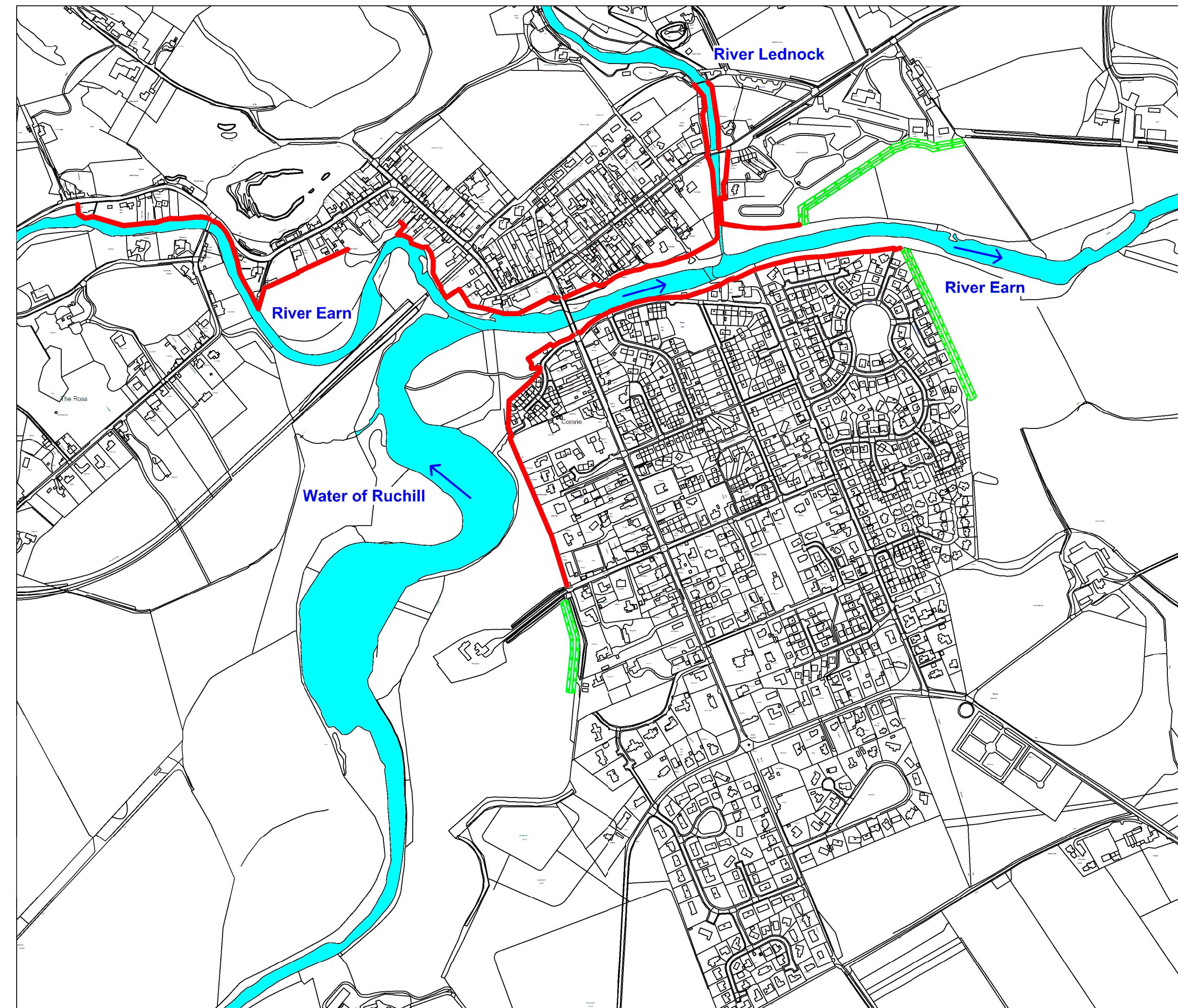
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Figure 21 - Option P6 - Walls and Embankments PLUS Upstream Storage on the River Lednock



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Notes:

Key:



Locations of Watercourses



Location of Existing Weir



River Flow Direction

Remove the existing weir

Water of Ruchill

Scale:

0 m 100 m 200 m 300 m



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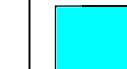
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Figure 22 - Option S1 - Removal of Weir

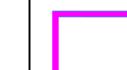


Notes:

Key:



Locations of Watercourses



Increased Floodplain Storage Areas



River Flow Direction

Scale:



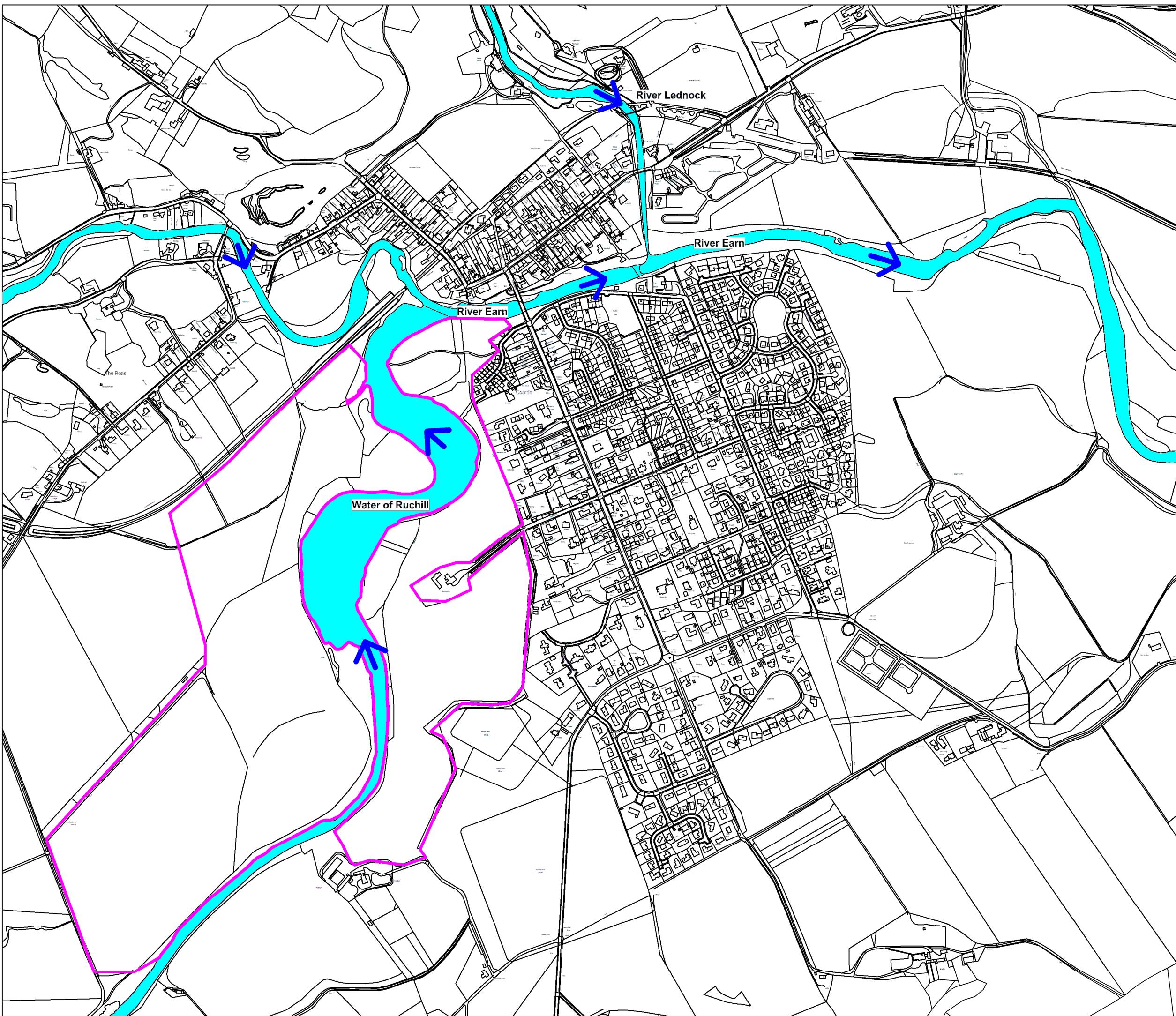
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Figure 23 - Option S2 - Maximising the Floodplain Storage





Notes:

Key:

 Dredging - 1 metres depth,
2450 metres extent

Scale:

0 m 200 m 400 m 600 m



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Figure 24 - Option S3 - Dredging





Notes:

Key:

- █ Locations of Watercourses
- Location of Dalginross Bridge
- River Flow Direction

Scale:



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Figure 25 - Option S4 - Raise the Dalginross Bridge





Notes:

Key:

- River Earn Catchment Downstream of Comrie
- Water of Ruchill Catchment
- River Earn Catchment
- River Lednock Catchment
- Comrie Village Catchment

Scale:

0 m 2.5km 5km 7.5km



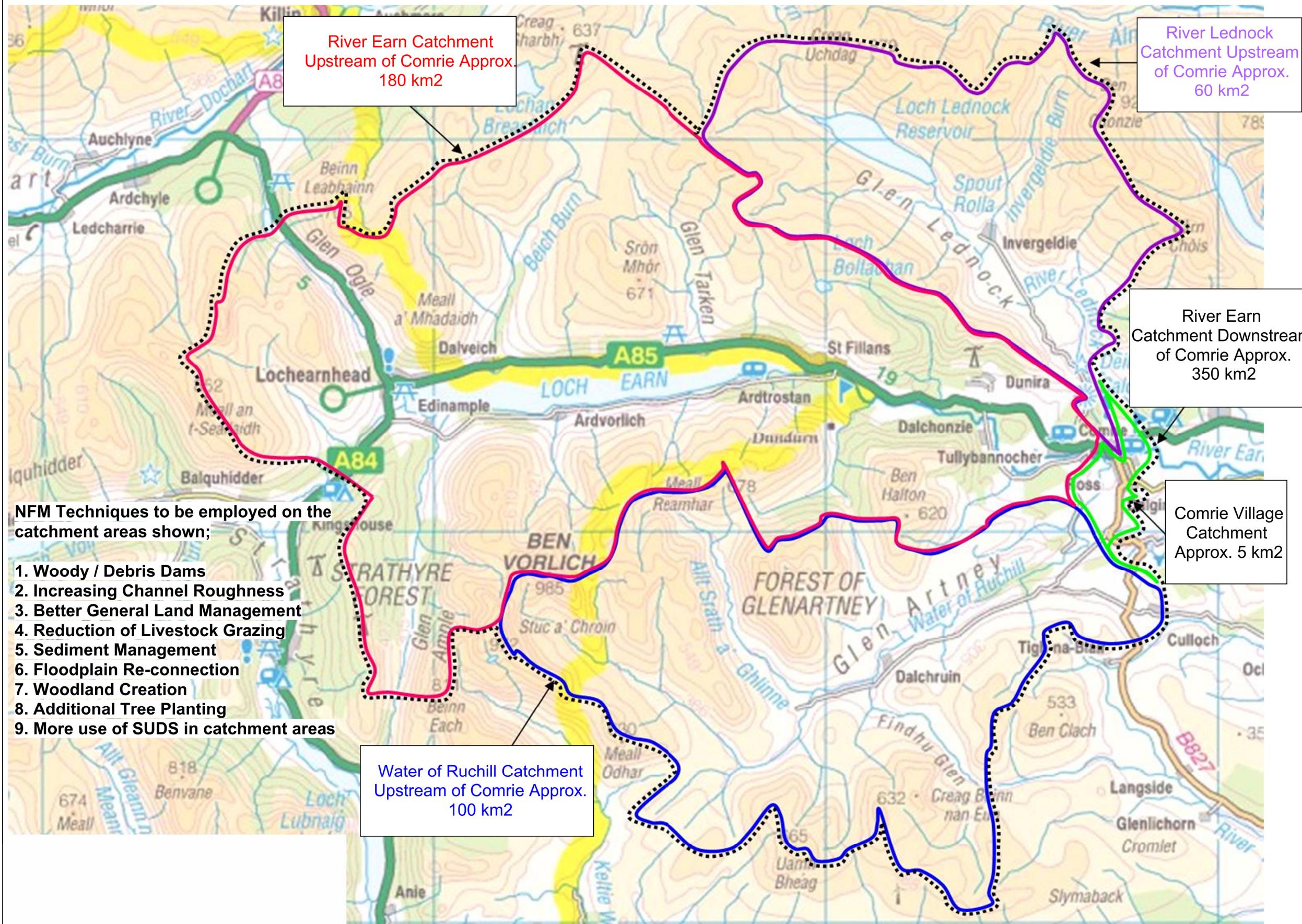
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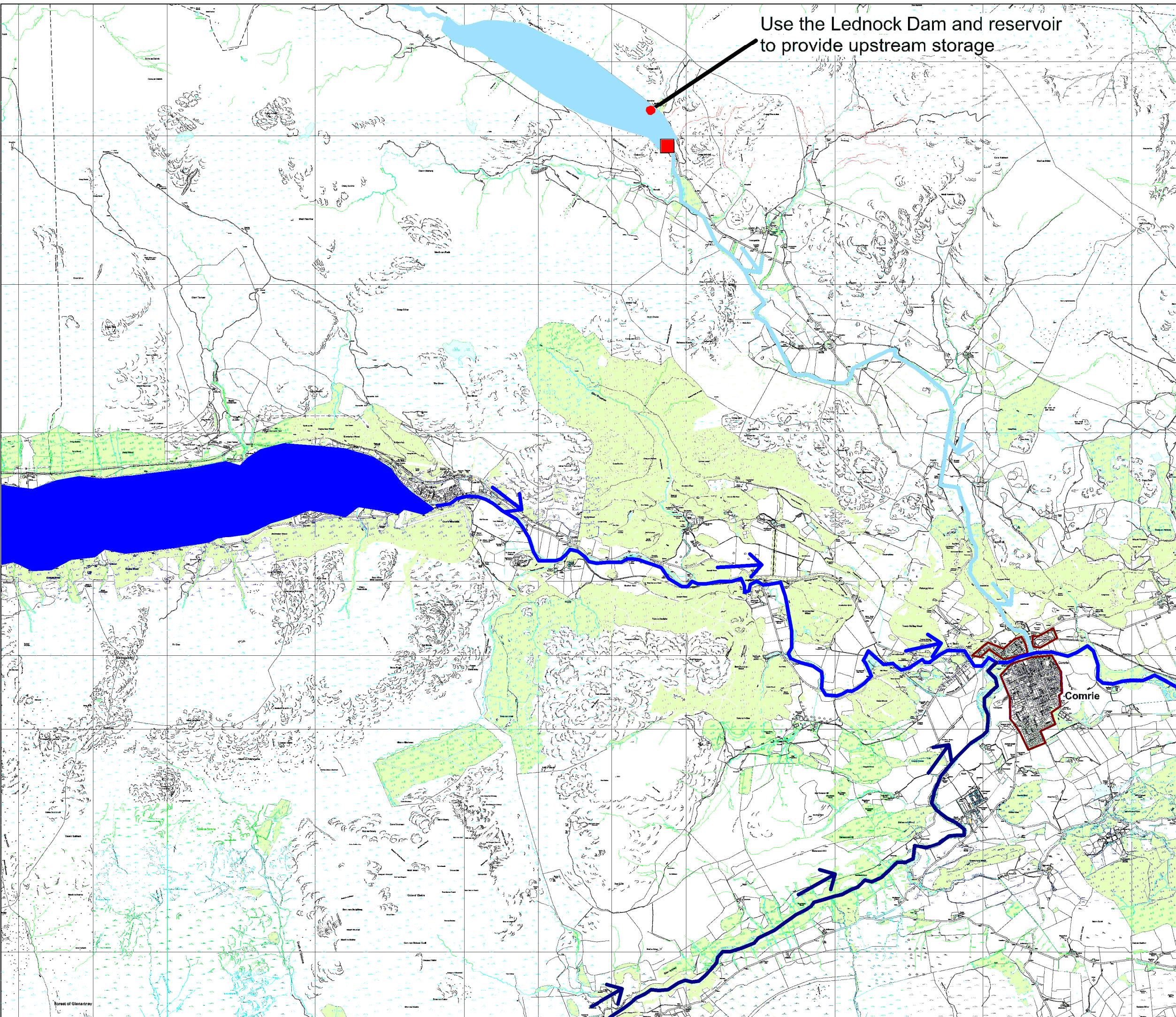
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Figure 26 - Option S5 - Natural Flood Management Techniques





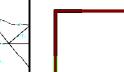
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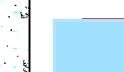


Notes:

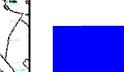
Key:



Location of Comrie



Lednock Reservoir



Loch Earn



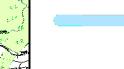
Proposed Loch Earn Control Structure



River Earn



Water of Ruchill



River Lednock

Scale:

0 m 1000 m 2000 m 3000 m



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Use of Loch Earn to provide upstream storage

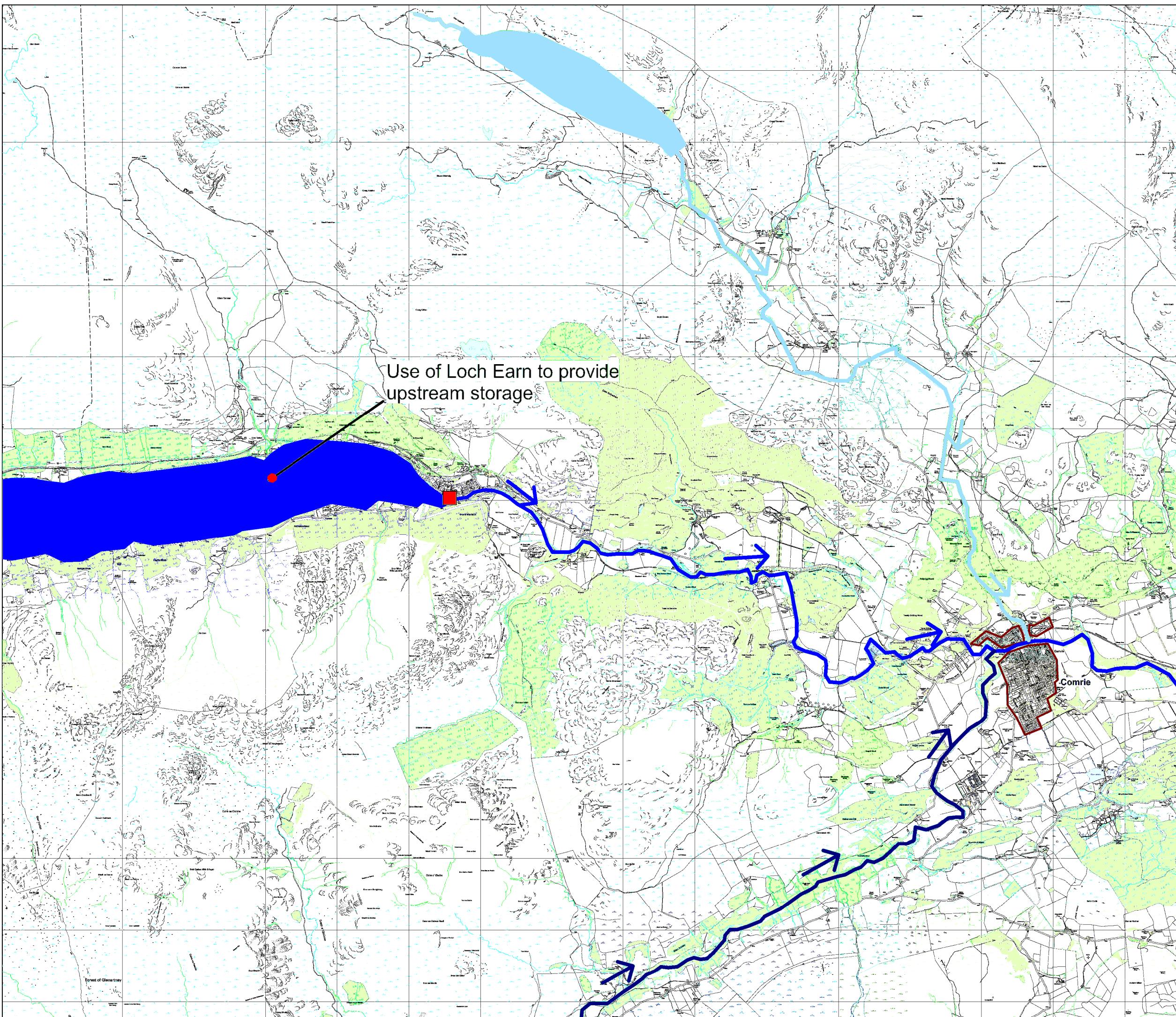
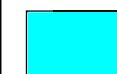


Figure 28 - Option S7 - Use of Loch Earn to Provide Upstream Storage



Notes:

Key:



Locations of Watercourses



Location of River Stabilisation Measures



River Flow Direction

Scale:



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Figure 29 - Option S8 - Water of Ruchill Stabilisation Techniques



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Notes:

Key:



Locations of Watercourses



Location of Diversion Channel



River Flow Direction

Scale:



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Figure 30 - Option S9 - Diversion Channel

