

### Options Assessment Outcomes

#### Options Assessment Process

The options assessment was advanced as a two-phase approach. The project team have now completed both Phases and have identified the Proposed Scheme for Leitrim Village. The options investigated in Phase 2, the Detailed Assessment, were investigated as part of the Carrick on Shannon FRS study. Substantial effort was invested in the consideration of these options.

The Leitrim Village options assessment relied heavily on the assessments undertaken as part of the Carrick on Shannon FRS detailed assessment. Further information on the alternative options considered is available at the Carrick on Shannon FRS project website ([www.carrickonshannonfrs.ie](http://www.carrickonshannonfrs.ie)). The key factors in selecting the proposed scheme are provided here.

#### 1. Defended Solution

- Will not result in increased flood risk elsewhere
- Limited Environmental issues
- Large Scale Expensive Civil Engineering Works
- Local impacts on the town's public areas and some private premises

#### 2. Offline Conveyance Improvements

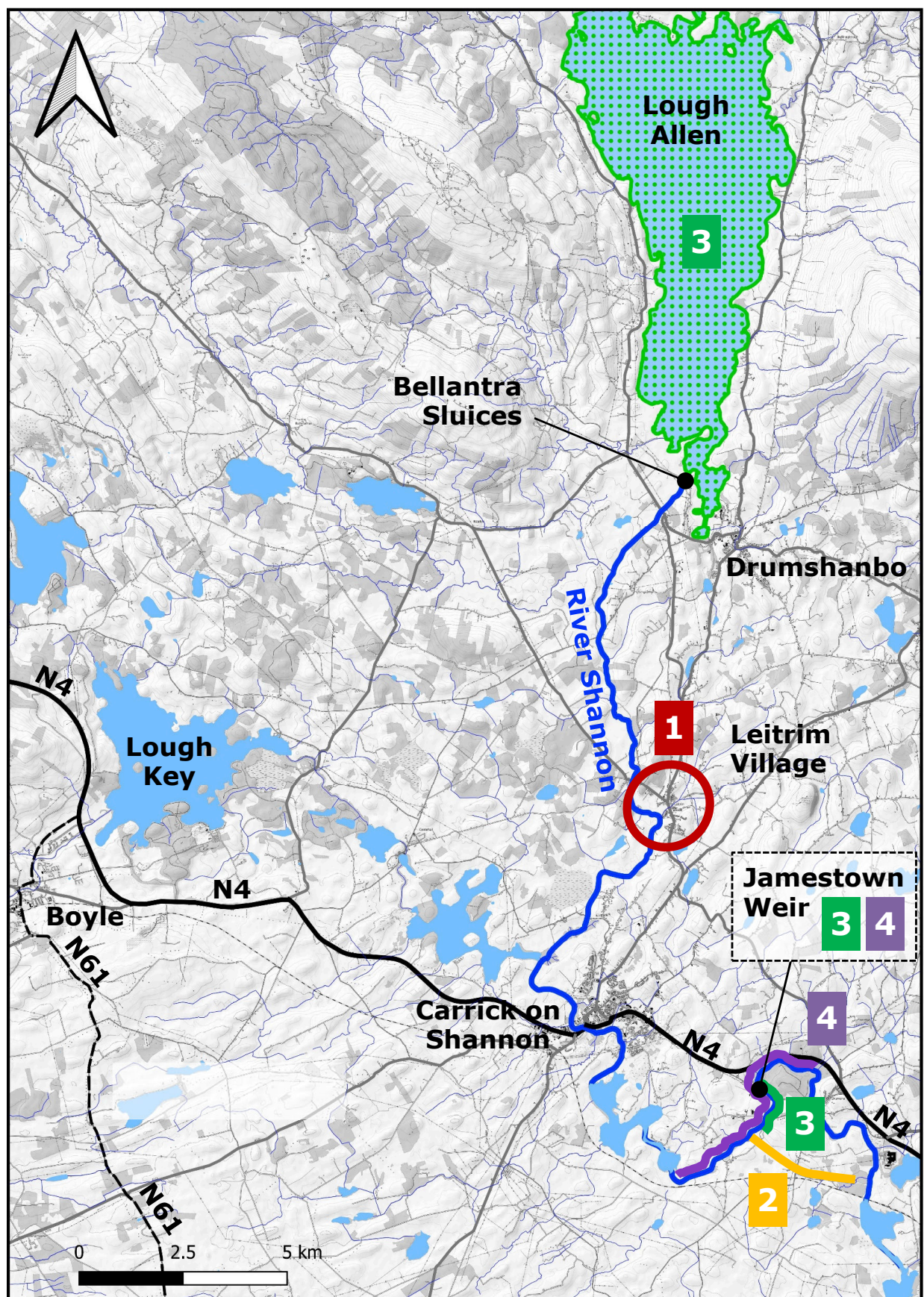
- Negative downstream flood risk impacts
- Hydrological change to River Shannon
- Environmental Constraints - Heritage and Archaeological
- Large Scale Expensive Civil Engineering Works
- Key Stakeholder Impact - Waterways Ireland

#### 3. Storage and Conveyance Improvements

- Positive flood risk impacts downstream of Carrick on Shannon
- Negative impacts at Lough Allen.
- Environmental Constraints - Significant Ecological constraints at Lough Allen, Heritage and Archaeological in Jamestown Area
- Hydrological change to River Shannon
- Large Scale Expensive Civil Engineering Works
- Key Stakeholder Impact - Waterways Ireland and ESB

#### 4. Conveyance Improvements

- Negative downstream flood risk impacts
- Hydrological changes to River Shannon
- Environmental Constraints - Heritage and Archaeological
- Large Scale Expensive Civil Engineering Works



#### Proposed Scheme

The impacts listed for each option present the key factors in choosing the proposed scheme. The overriding impacts driving the selection of the proposed scheme include Negative Impacts on flood risk elsewhere and the Environmental Impacts associated with the other options considered.

As a result, Option 1 – the **Defended Solution** – has been brought forward as the **Proposed Scheme** for Leitrim Village.