

### Board 17: Short-List Options – Reinstate Flood Storage Area at Water of Minnoch

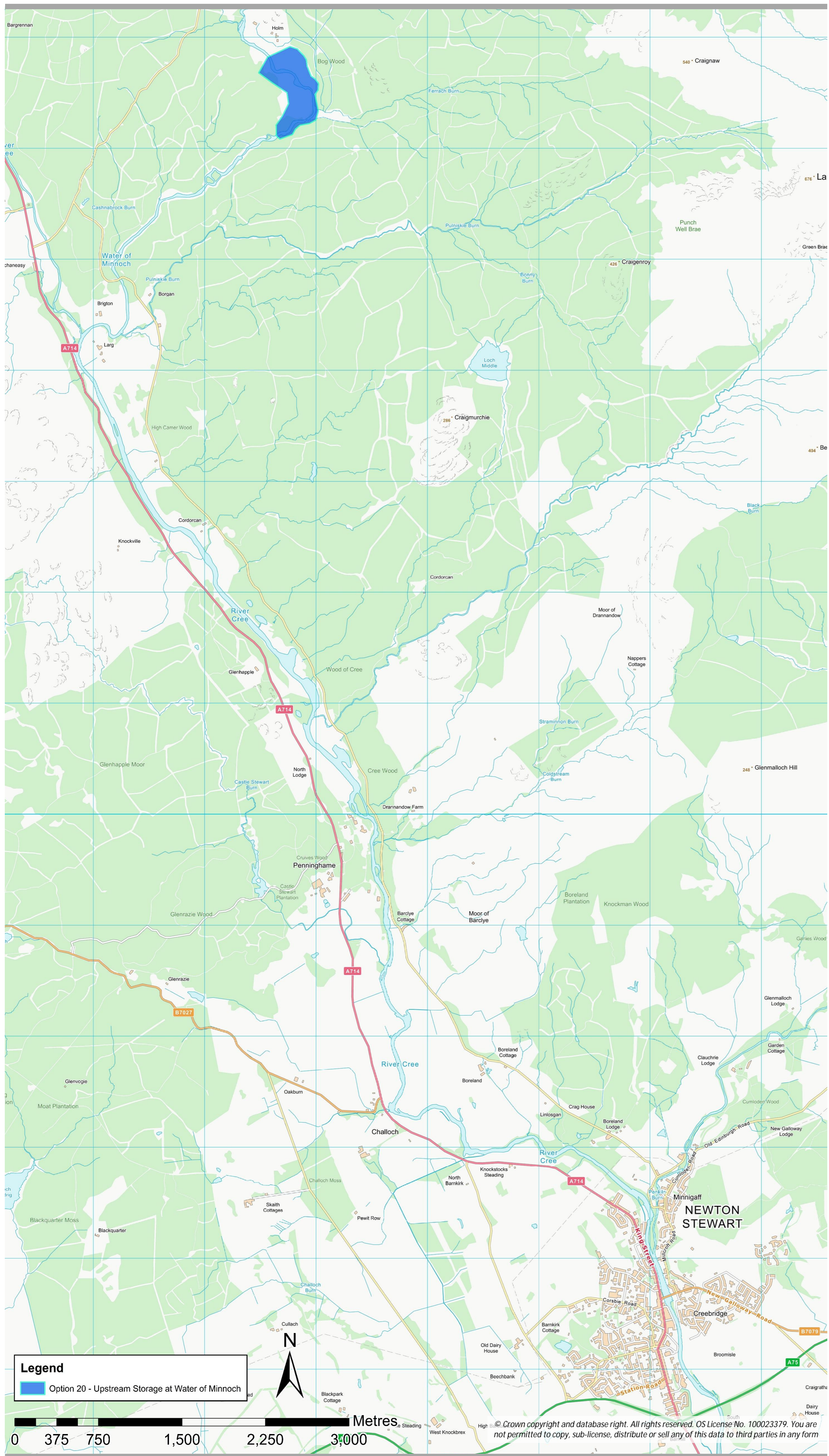


Figure 17-1: Possible Inundated Area for Flood Storage Area at Water of Minnoch

#### Introduction

A former flood storage area within the forest on the Water of Minnoch was identified.

This would hold 0.5 million m<sup>3</sup> in the upper catchment as storage.

An impoundment structure would be required, along with a flow restriction and overflow.

#### Option Discussion

Stakeholder option discussion points:

##### Advantages of Option

- Provides storage far from Newton Stewart

##### Disadvantages of Option

- On main line of river, possible negative influence on protected species of fish
- Difficulties in access to the area for construction

##### Other Points Raised

- Potential ongoing maintenance issues due to access and land ownership

##### Impact on Flood Risk

- Modelling indicates width of impoundment required to begin to reduce receptors in town is 230m – significant in comparison to width of river.
- Severe space restrictions prohibits construction of above impoundment
- No impact on receptors for smaller structures

#### Option Conclusion

Stakeholder option decision:

- Option not progressed
- Access difficulties
- Maintenance difficulties
- Low impact on flood risk for a feasible scaled option of intervention