

# Flood Investigation Report

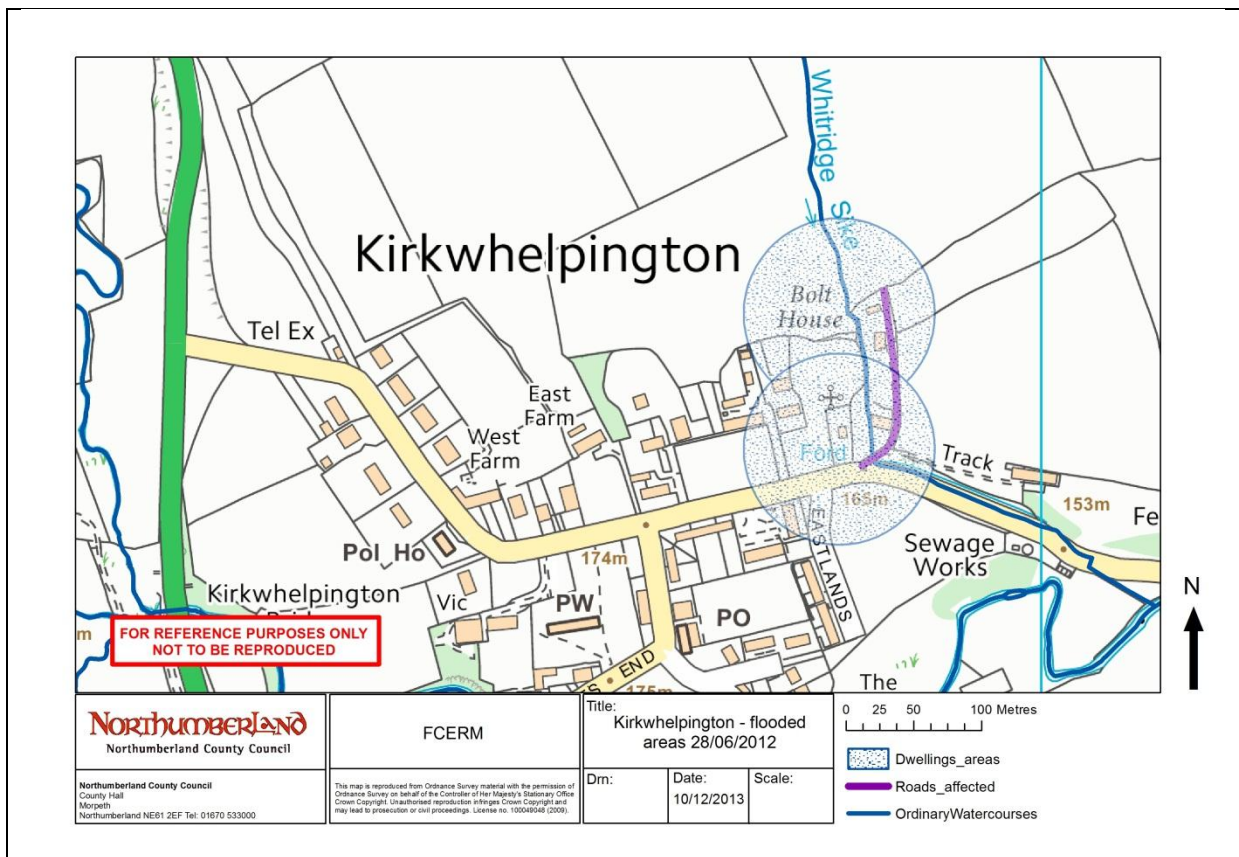
4.12

Location: **Kirkwhelpington** Incident Date: **28/06/12**

## Source(s) of flooding:

| Ordinary Watercourse                | Main River               | Surface Water                       | Groundwater              | Sewer                    | Sea                      | Tidal Lock               |
|-------------------------------------|--------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| Impacts (number) | Residential | Business | Other Buildings | Roads | Critical Infrastructure |
|------------------|-------------|----------|-----------------|-------|-------------------------|
|                  | 2           | 0        | 0               | 1     | 0                       |



**Description**

Kirkwhelpington is located approximately 20km to the west of Morpeth.

Heavy rain on 28 June resulted in the flooding of two properties at the north-eastern end of Kirkwhelpington.

Excess surface water from non-cultivated farmland discharged from north to south onto a public bridleway which also serves as a vehicle access track to one property. Due to the volume of water, one property flooded at the upper end of the track. At the point of entry from the field to the track there is an artificial diversion structure made up of rocks and compost bags designed to divert excess flow westwards towards the nearby burn, the Whitridge Sike. However, this structure was overtopped due to the volume of water during this event. Historically this property was prone to occasional flooding but in recent years these occurrences have been significantly reduced as a result of drainage improvements made to farmland to the east of the property.

The second property is located at the lower end of the track. The Whitridge Sike runs through the garden and passes adjacent to the property. Overtopping of the banks resulted in the property being flooded. The occupant has lived in the property for 35 years and has not previously experienced flooding.

**RMA Actions:**

*Exercised:* Investigated incidents

*Proposed:* Explore opportunity to divert surface water runoff to alleviate flooding. Options include (1) raised structure at gated entrance to track to divert water to burn. Walkers and horses must still be able to pass freely as track is part of a public right of way. Recommend purchase and storage of sandbags (2) placing ramp on driveway to reduce risk of runoff from flowing towards the property.

**NCC****EA**

*Exercised:*

*Proposed:*

**NWL**

*Exercised:*

*Proposed:*

**Other**

*Exercised:*

*Proposed:*

**Additional supporting information****Sign Off**

Drafted by: Hermes Carlyon

Approved by:

**Date**

20/07/12

RMA Notification: EA ☒ NWL ☒ Other ☐ (please specify)