

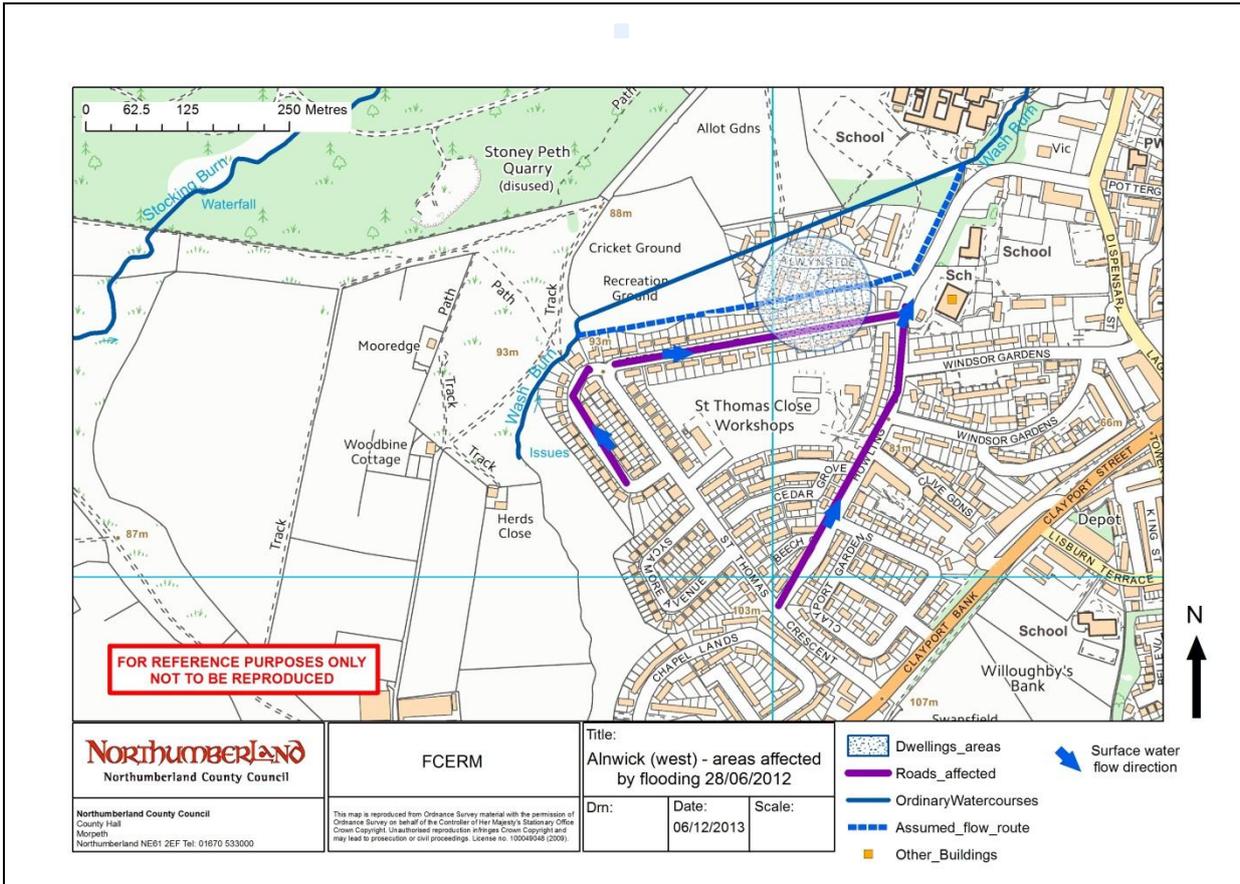
# Flood Investigation Report

## 4.2.4

Location: <b>Alnwick (west)</b>	Incident Date: <b>28/06/12</b>
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<b>Source(s) of flooding:</b>						
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"/>

<b>Impacts</b>	<b>Residential</b>	<b>Business</b>	<b>Other Buildings</b>	<b>Roads</b>	<b>Critical Infrastructure</b>
(number)	<b>4</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>0</b>



### Description

Heavy rain on 28 June 2012 resulted in the flooding of properties, roads and businesses in the west of Alnwick. The intense rainfall resulted in surface water flooding to parts of the road network.

This rain caused residential properties to flood within Alwynside. Flooding occurred as a result of the Wash Burn, which is designated as an ordinary water course. The GIS data that we have available shows the Wash Burn as a straight line going directly under some properties in the northern side of Alwynside. This is an anomaly within the data. Often when a watercourse sinks and issues a straight line is drawn on the GIS data, as is the case here. After inspection we now know and can confirm that the Wash Burn runs in a culvert via the southern properties of Alwynside – shown by the cyan dashed line on the above map. Local residents were not aware of the presence of this watercourse.

On the 28<sup>th</sup> June and in subsequent rainfall events water was coming out of the gardens in Alwynside and causing properties to flood.

On closer inspection of the culvert, it was found that there were blockages that were causing

water to back up and subsequently flood the properties.

**RMA Actions:**

**NCC**  
*Exercised:* Carried out Flood Investigation Report. Have investigated further the route of the Wash Burn through Alwynside, have removed blockages within the culvert and have installed manholes on two sections along the watercourse.  
*Proposed:* Keep an eye out on the functionality of the culvert in the future.

**EA**  
*Exercised:*  
*Proposed:*

**NWL**  
*Exercised:*  
*Proposed:*

**Other**  
*Exercised:*  
*Proposed:*

**Additional supporting information**



The photo on the left shows the Wash Burn watercourse after excavations within the garden of a residential property. The photo on the right shows part of the culverted section of the Wash Burn. Here a square stone channel falls into a circular concrete pipe.

**Sign Off**

Drafted by: James Hitching  
 Approved by:

**Date**

12/12/12

**RMA Notification:** EA  NWL  Other  (please specify)