

**Date:** Sept 2011  
**Impact:** Whiterails Drive  
**Depths:** 400mm cellar  
 250mm garden  
**Sources:** Groundwater flooding  
 Blocked culvert/drain  
 Local brook/ditch

**Date:** Worse after rain  
**Impact:** Whiterails Drive  
**Depths:** 350mm cellar  
 100mm garden  
**Sources:** Blocked culvert/drain  
**Notes:** Up to 15 years ago, no problem

**Date:** Jan 2008  
**Impact:** Halsall Lane  
**Depths:** 400mm public open space  
 500mm gardens  
 500mm highways  
**Sources:** Runoff from highway  
 Runoff from fields  
 Overloaded sewers  
 Blocked culvert/drain  
 Blocked culverts/drains

**Date:** Aug 2001, Sept 2002, July 2008,  
 Jan 2008, Dec 2008, Dec 2012  
**Impact:** Halsall Lane  
**Depths:** 200mm inside house  
 100mm gardens  
**Sources:** Runoff from highway  
 Runoff from fields  
 Overloaded sewers  
 Blocked culverts/drains  
 Groundwater flooding

**Date:** 23 Sept 2012  
**Impact:** Southport Road  
**Depths:** 600mm inside house  
 600mm garden  
**Sources:** Blocked culvert/drain  
 Overloaded sewers  
 Local brook/ditch

**Date:** 24th Sept 2012  
**Area affected:** Southport Road  
**Properties affected:** 3  
**Source:** Heavy, persistent rainfall

**Date:** 24th Sept 2012  
**Area affected:** Halsall Lane/Cotton Drive  
**Properties affected:** 0  
**Source:** Heavy, persistent rainfall

**Date:** Heavy rain  
**Impact:** Halsall Lane  
**Depths:** 60mm gardens  
 60mm highways  
**Sources:** Runoff from highway  
 Groundwater flooding  
**Notes:** Did not happen before the road was resurfaced

**Date:** 5 Feb 2011  
**Impact:** Halsall Lane  
**Depths:** 150mm inside houses  
 900mm gardens  
 600mm highways  
**Sources:** Runoff from highway  
 Blocked culvert/drain  
 Local brook/ditch

**Date:** When Halsall Lane floods  
**Impact:** Church Hill Road  
**Depths:** No flooding in houses, but  
 foul sewer blocked  
**Sources:** Overloaded Sewers  
 Blocked culvert/drain

**Date:** Multiple events over 10 years  
**Impact:** Whiterails Drive  
**Depths:** 450mm cellar  
 450mm garden  
**Sources:** Groundwater flooding  
 Blocked culvert/drain  
 Runoff from fields

**Date:** N/A  
**Impact:** Asmall Lane  
**Depths:** 150mm public open spaces  
 150mm highways  
**Sources:** Runoff from fields  
 Blocked culvert/drain  
 Local brook/ditch

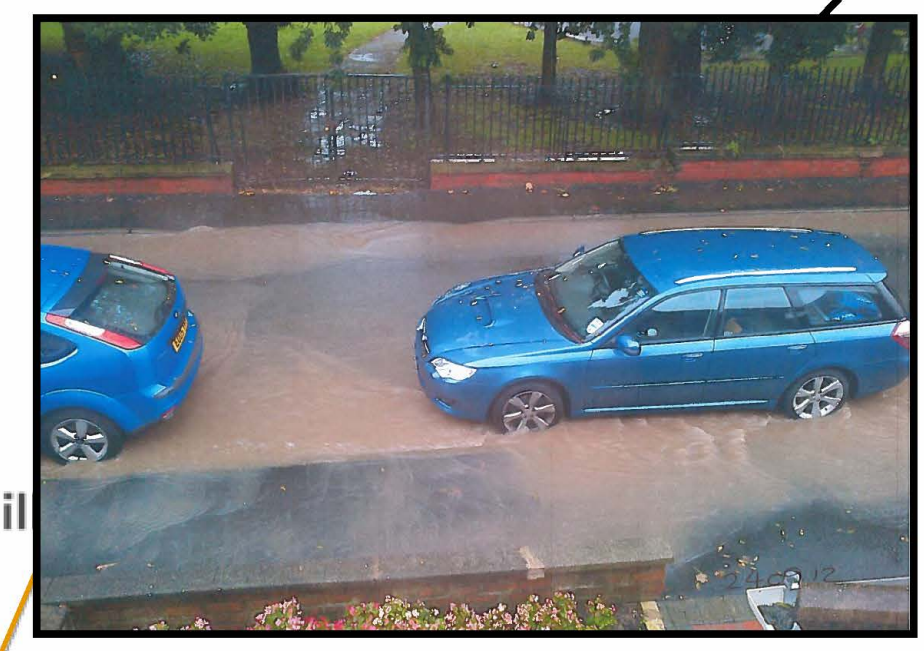
**Date:** 24/25 Sept 2012  
**Impact:** Halsall Lane  
**Depths:** 110mm garden  
**Sources:** Runoff from highway  
 Blocked culvert/drain  
 Runoff from fields  
 Local brook/ditch

**Date:** 24 Sept 2012  
**Impact:** Halsall Lane  
**Depths:** 100mm garden  
**Sources:** Runoff from highway  
 Blocked culvert/drain

**Date:** 24/25 Sept 2012  
**Impact:** Halsall Lane  
**Depths:** 240mm garden  
 150mm inside house  
**Sources:** Groundwater flooding  
 Runoff from fields  
 Runoff from highway  
 Blocked culvert/drain

**Date:** 2012  
**Impact:** Halsall Lane  
**Depths:** 50mm garden  
 Highways like a river  
**Sources:** Local brook/ditch  
 Runoff from fields  
 Overloaded sewers  
 Blocked culvert/drain

**Date:** 2012  
**Impact:** Halsall Lane  
**Depths:** 50mm garden  
 15mm inside house  
**Sources:** Local brook/ditch  
 Runoff from fields  
 Overloaded sewers  
 Blocked culvert/drain



**Date:** Feb 2011/24th Sept 2012  
**Area affected:** Southport Road  
**Properties affected:** 0  
**Source:** Churchfields culvert  
 became blocked



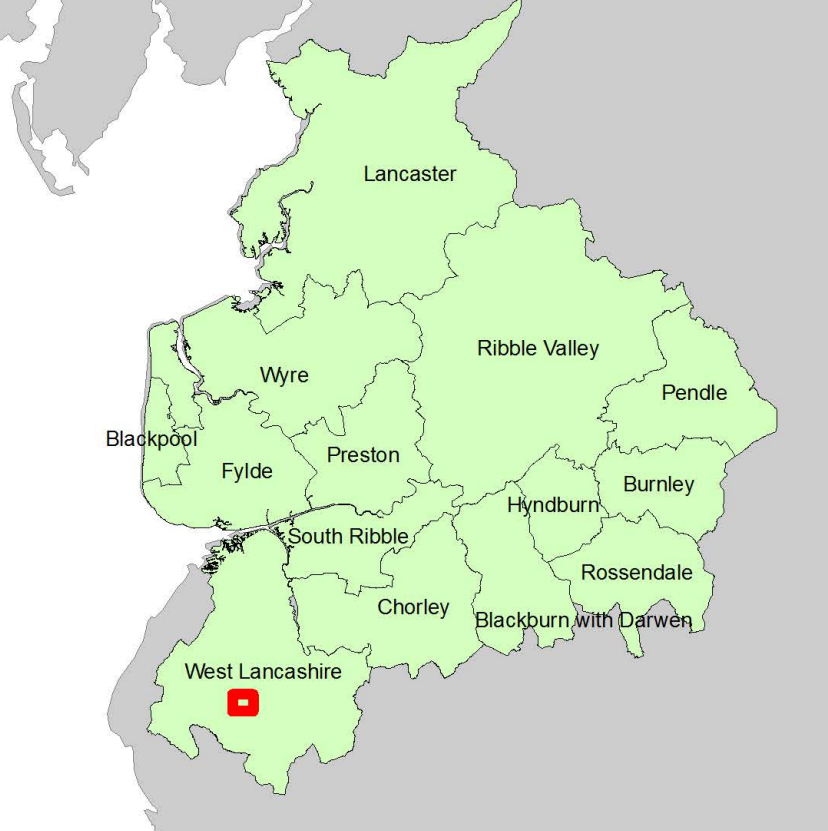
**Date:** 24th Sept 2012  
**Impact:** Cottage Lane  
**Depths:** 150mm garden  
**Sources:** Overloaded Sewers

**Date:** 24th Sept 2012  
**Impact:** Cottage Lane  
**Depths:** 250mm highway  
**Sources:** Runoff from fields  
 Blocked culverts/drains

**Date:** 24th Sept 2012  
**Area affected:** Dyers Lane  
**Properties affected:** 6  
**Source:** Sandy Brook/Hurlston  
 Brook banks overtopped



**Date:** 24th Sept 2012  
**Area affected:** West of Railway Line  
**Properties affected:** 0  
**Source:** Heavy, persistent rainfall



- Legend**
- LCC Questionnaire Responses
  - EA History of Flooding
  - Questionnaire Responses
  - Potential Flow Paths
  - Halsall Lane Flood Outline 2012
  - Dyers Lane Flood Outline 2012
  - Playing Field Flood Outline 2011
- River Network**
- Open Watercourses
  - Culvert



Project		Hurlston Brook History of Flooding				
Rev.	Date	Purpose of revision	Drawn	Chk'd	Rvw'd	Appr'd
0	11/15	Initial issue	DSG			
Scale		1:3,000		DO NOT SCALE		
Project No.		B2237306				

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