

Draft List of Flooding Incident Locations

(compiled by BVDG 04/11, revised 06/12 and 06/13, edited by JWM and RH)

1. Flooding incidents caused by surface water run-off

- 1.1 B2233 gully on the northern side of the road approaching Barnham from Eastergate, at the junction with Downview Road. Questionable soakaway system serving B2233 and poor outlet from ditch at rear of Brooks Nursery site and Fiveacres Nursery
- 1.2 Downview Road, particularly at the top (northern end) by the 'T' junction.
- 1.3 Ewens Gardens, mainly due to run-off from adjacent fields on slightly higher ground to the west. Arun DC dug a ditch system to channel water from these fields around the northern and eastern sides of properties in Downview Road, eventually discharging into the Rife at the northern end of Hedge End Wood.
- 1.4 Low-lying portions of gardens to rear of properties on south side of the B2233 Main Road, Barnham (including but not exclusive to No. 103).
- 1.5 Pelican crossing just east of the B2233 Elm Grove junction
- 1.6 Beneath the ground floor of properties in Tisted Cottages, Elm Grove, Barnham, due to run-off from higher ground to the east.
- 1.7 Properties at eastern end of Oriel Close, Barnham, due to run-off from higher ground to the east.
- 1.8 Fields to the western side of Wentworth Close. Arun DC dug a ditch to channel water from these fields to the Rife at the northern end of Hedge End Wood.
- 1.9 Fields to the north of Hedge End Wood on either side of the Rife. These fields are almost always quite waterlogged.
- 1.10 Hedge End Wood, north of the sandbank bund across the Wood. This is a designated 'holding pond' area in the event that the surface water sewers running south from Hedge End Wood beneath Farnhurst Road become full to capacity.
- 1.11 Goodacres, due to run-off from adjacent fields on higher ground to the east. This surface water will then flow westwards along Goodacres, across Barnham Lane and into Dial Close, where it eventually enters the Rife at the bottom.
- 1.12 Back gardens of properties on the northern side of Lake Lane, backing on to Rife immediately upstream of the Barnham Lane bridge.
- 1.13 Back garden and ground floor of 'Tyche' by the first bend in Lake Lane, due to flooding from the Rife which runs behind the rear garden.
- 1.14 Back gardens of new-build properties on the northern side of Lake Lane, backing on to Rife behind the former Holts Bakery site.
- 1.15 Junction of Lake Lane and Park Lane.
- 1.16 Under the railway bridge at Barnham.

- 1.17 Highground Lane, Barnham, due to flooding from the Barnham Rife.
- 1.18 Hill Lane, Barnham, due to surface water flooding (poor drainage).
- 1.19 Junction of Hill Lane with the B2233 Yapton Road, on the north side of Yapton Road.
- 1.20 B2233 Yapton Road, Barnham on the double bend by the pumping station.

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1.21 Ditch running along north side of the B2233 Nyton Road, Aldingbourne. The level of water in this ditch, particularly near the junction with Northfields Lane, is a good indicator of groundwater levels in the area.

1.22 Gully at the junction of the A29 and B2233 at Eastergate memorial roundabout.

1.23 Eastergate Lane, in the vicinity of Winter Egg Farm, due to run-off from adjacent fields. The direction from which the surface water originates is unknown at present.

1.24 Junction of A29 Fontwell Avenue and Wandleys Lane. At times of heavy rainfall and/or when the water table is high, the pumping station borehole goes artesian and ground water flows across the A29 Fontwell Avenue into entrance of Wandleys Lane. Natural springs in the gardens of properties in Wandleys Lane may also lead to surface water flooding at such times.

1.25 Walberton Pond area, from grille outlet at northern side of Barnham Lane, overflowing across the road.

1.26 Outside Olive Branch PH at junction of the B2132 and B2233 in Yapton.

1.27 North Choller and Choller House farms – bend on Barnham Lane surface water flooding (poor land drainage). Inundation of Foul sewers.

1.28 Cherry Avenue, Yapton – surface water flooding, poor drainage. Inundation of foul sewers

1.29 Just north of Yapton Lane level crossing at junction with Lake Lane.

2. Flooding incidents caused by surcharging of foul sewers

Many parts of Barnham and Eastergate parishes do not have a separate surface water sewer or highways drainage system. Consequently, at times of heavy rainfall and/or when the water table is high, the foul sewer system in many parts of these parishes becomes overloaded with infiltrating surface water and surcharging of the foul sewer system occurs.

2.1 Junction of Elm Grove and Orchard Way, Barnham including gardens of properties adjacent to junction. Frequent 24-hour tankering operations take place here by Southern Water Services or their nominated contractors. Severe impact on local properties – unable to use toilets

- 2.2 Playground of Elm Grove Primary School due to surcharging of school's sewers by surface water. Subsequent action by West Sussex County Council and the installation of a pump system has improved the situation
- 2.3 Junction of Elm Grove and Oriel Close, Barnham at eastern side of road. Here a foul sewer and a surface water sewer run side-by-side. Frequent 24-hour pumping operations take place here by Southern Water Services or their nominated contractors. Water from the surcharging foul sewer is pumped into the adjacent surface water sewer. (See 2.1)
- 2.4 Concrete apron alongside Farnhurst Road children's play area. Severe ponding of contaminated water occurs at this location. Frequent deep-cleansing operations have been necessary at this site by Southern Water Services or their nominated contractors.
- 2.5 Barnham Lane, at bend by track leading to North Choller Farm. Some ponding of contaminated water from a surcharging foul sewer running down from Walberton village at the northern and western side of the road.
- 2.6 Barnham Lane, south of bend by track leading to North Choller Farm, at every foul sewer inspection cover down past Choller Farm towards Barnham. Contaminated water from the surcharging foul sewer runs down the western side of the road and into the ditch. Occasional 24-hour tankering operations take place here by Southern Water Services or their nominated contractors. (See 1.27)
- 2.7 Just north of junction of Barnham Lane and Lake lane on the western side of Barnham Lane. Contaminated water from the surcharging foul sewer runs into the adjacent highways drain. Regular 24-hour tankering operations take place here by Southern Water Services or their nominated contractors.
- 2.8 Car park of St. Philip Howard Catholic High School, Elm Grove South,, Barnham due to surcharging of school's sewers by surface water. Subsequent action by West Sussex County Council appears to have resolved this problem.
- 2.9 Properties at the western end of Marshall Close adjacent to the Barnham Rife where it emerges from under the railway line. There is a 'permitted discharge' into the Rife here from the foul sewer system in the event that the large chamber and 'scrubber unit' beneath the Marshall Close recreation area becomes surcharged to beyond capacity. In such conditions, when Rife levels are very high, contaminated water comes up through the toilets in the Marshall Close properties identified above and inundates those properties. Frequent 'clean-up' operations have been necessary at these properties by Southern Water Services or their nominated contractors.

Amended: J.W. Mason
7th June 2013

Revision RH – 13 June 2013