

Appendix H

Information received from the Basingstoke Canal Authority

Areas liable to flood in event of an embankment breach or culvert failure

1 Wey Navigation to Lock 1 (non towpath side)

At risk is a large electricity sub station off Parkside, Woodham and potential low level flooding of mobile home site off Parkside, Woodham

2 Wey Navigation to Lock 1. Towpath side*

Any breach along the towpath sections marked with an asterisk * will discharge huge volumes of water into the Rive Ditch. This will have effects to drainage and possibly flooding away from the immediate area of the canal.

3 Lock 1 to Lock 2*

Potential for flooding of properties along Broomfield Road and possibly Braeside, Woodham.

4 Lock 2 to Lock 3*

Potential for flooding properties off Station Road and Birchwood Road, West Byfleet .

5 Lock 3 to Lock 4*

Potential for severe flooding of 3 properties on site of old canal stables at Woodlands Ave. West Byfleet.

6 Lock 4 to Lock 5 *

7 Lock 5 to Lock 6 *

8 Lock 6 to Sheerwater Trading Estate*

Depending on location of breach, and taking into account that the Woking Pound is in excess of 4 miles long the following areas are potentially at risk of large scale flooding:

- The Sheerwater Housing Estate
- Lambourne Crescent
- A School
- Devonshire Avenue
- Blackmoor Crescent

An additional risk is posed by the culvert that passes under the canal in the region of Sheerwater Trading estate. A failure of this culvert would cause distant flooding as it would surcharge the stormwater drainage system.

9 Offside embankment Monument Bridge to Boundary Road Woking*

10 Culvert carries Rive ditch under canal just downstream of Boundary Road*

11 Skew Bridge Woking to The Bridge Barn Woking (Towpath Side)

Large scale flooding of A 324 and houses on Horsell Moor.

12 Non towpath side

Large scale flooding of Kinetic building, Old peoples home and houses on Vale Farm Road Woking and possibly minor flooding of Mabel Street Woking.

13 Bridge Barn to Lock 7

A culvert passes under the canal close to Parley Drive Road Bridge. This has been sealed at both ends as the SCC Education Department was unable to fund repairs to this culvert (It is the property SCC Education Department and used to drain the school field under the canal to a drainage ditch on the towpath side) There is still a potential for problems here though it has been rendered 95% safe by actions by the BCA.

A storm water drain passes under the canal at Bankside, Goldsworth Park, Woking. Failure of this culvert will surcharge the storm drain and could cause distant flooding.

14 St. Johns Flight

Failure of any towpath side embankments between lock 7 and lock 9 will cause flooding of Lockfield Drive.
Failure of the embankment between lock 10 and lock 11 will cause severe flooding of the houses along Copse Road St. Johns, Woking.

15 Temple Bar Road St. Johns

A large culvert passes under the canal at the end of this road. Failure would cause distant flooding due to surcharging.

16 St Johns Lye Festival Path

Sections of the towpath are on embankment and if breached would cause flooding to houses on the Lye.

17 Hermitage Bridge

Failure of the embankment towpath side and downstream of the bridge would result in flooding of the top end of Blackhorse Road. It would also surcharge the drainage ditches in the area and would cause distant flooding.

18 Brookwood Lye

Failure of embankments on either side of the canal would flood the Lye, either directly or indirectly. It would also surcharge the land drainage system causing distant flooding.

19 Brookwood Flight of locks

Embankment on the towpath side would cause flooding to houses next to the garage, and would surcharge the land drainage system causing distant flooding.

20 Deepcut Flight

Failure of embankments on non towpath side between locks 15 and 17 and either side between locks 17 and 19 could cause a domino effect as the water released flows downhill. If this water re-enters the canal at a lower level, further bank failures are possible downstream.

Lock 25 to 26 - the towpath is on top of an embankment next to the railway. Any failure would flood the railway.

Lock 26 to 27 - the towpath is on top of an embankment. This breached in 1984. Though only a short reach (150m), the effects of the released water were felt as far away as Guildford through surcharging of the ground drainage system.

Lock 27 to 28 - the towpath runs on top of an embankment (450m long). Failure anywhere here would cause considerable and distant flooding.