

Appendix G

ACTION PLAN

North Hertfordshire District SWMP Action Plan

Item	Hotspot	Action	Priority
H1	6 - Hitchin	Large storage area west of Park Way to reduce river levels throughout town.	H
H2	6 - Hitchin	Identify suitable storage or attenuation area upstream of Park Way to reduce river flows downstream and therefore the potential risk of fluvial flooding.	H
H3	6 - Hitchin	Site visit to determine if property level protection measures are required in Radcliffe House.	H
H4	6 - Hitchin	Site visit to confirm the flowpaths from Sun Street and Bridge Street to the car parks. Some landscaping may be required within the car park to encourage flows towards the river. Property level protection measures at the junction of Sun Street and Bridge Street.	H
H5	6 - Hitchin	Speed bump along Queen Street to minimise water draining into Portmill Lane. Minor landscaping of Queen Street is also recommended to encourage water to flow towards the car park and then into the river, south of Portmill Lane.	H
H6	6 - Hitchin	Upsize pipes that run from Hazelwood Close to the river to reduce localised flooding.	H
H7	6 - Hitchin	Install pipes along The Avenue to reduce flooding of Walsworth Road and Radcliffe Road. It is recommended that the pipes along Verulam Road are upgraded.	H
H8	6 - Hitchin	More detailed modelling is required to confirm flow paths at the intersection between Grove Road and the A505.	H
H9	6 - Hitchin	It is necessary to carry out more detailed modelling to confirm the flow paths around the risk areas. This will involve an in-depth review of the existing Environment Agency model and potentially upgrade or redevelop the 1D component of the model to improve accuracy.	M
H10	6 - Hitchin	Secure funding to further investigate the mitigation measures outlined above to assess their impact and enable their implementation.	M
H11	6 - Hitchin	Encourage flood awareness and Property Level Protection (PLP) in areas of risk.	M
H12	6 - Hitchin	Ensure the highway gully maintenance programme is representative of the flood risks and preferential flow paths.	L
H13	6 - Hitchin	Topographic survey of the watercourse that drains through The Willows may be required to confirm its flow path towards the River Hiz and its interaction with the A505 road upstream.	L
O1	7 - Oakfield, Hitchin	Introduce automated traffic signs in the vicinity of culvert 1.	H
O2	7 - Oakfield, Hitchin	Consider reprofiling culverts and introducing new headwalls.	M
O3	7 - Oakfield, Hitchin	Introduce automated traffic signs in the vicinity of culvert 4.	L
B1	12 - Baldock	Ensure that a preferential flow path exists along the highway network.	H
B2	12 - Baldock	Work with the developer to ensure that formalised attenuation/detention/soakaways are included in the master plan (if required following development drainage proposals).	M
B3	12 - Baldock	Work with landowners to ensure awareness of wet areas and methods of discharge under the railway and in the downstream ditch network.	M
C1	13 - Clothall Common, Baldock	Construct a southwest sewer in the public footpath to increase conveyance under the railway.	H
C2	13 - Clothall Common, Baldock	SuDS retrofit/detention basin/soakaway in playing fields upstream in order to reduce water flowing downstream.	H
C3	13 - Clothall Common, Baldock	Detention/soakaway – Natural flood risk management along flowpath as permissions/designation allow. This measure may be restriction because it is in a scheduled monument area.	H
C4	13 - Clothall Common, Baldock	Consider Property Level Protection for properties that have previously experienced flooding and are at high risk.	M

Item	Hotspot	Action	Priority
C5	13 - Clothall Common, Baldock	Work with developers/planners to ensure suitable land use as warehousing redeveloped over the longer term.	M
C6	13 - Clothall Common, Baldock	Construct a new culvert under the railway to increase conveyance in the long term (historical records of flooding required to support business case).	M
K1	17 - Knebworth	Enhance the cut off drain for both flowpaths to attenuate flowpaths from the west in the short term.	H
K2	17 - Knebworth	Implement attenuation/soakaway in the recreation ground.	H
K3	17 - Knebworth	Implement an upstream rural attenuation area.	H
K4	17 - Knebworth	Ensure a preferential flowpath exists along the highway.	H
K5	17 - Knebworth	Utilise existing highway drainage and attenuation/infiltration area downstream.	H
K6	17 - Knebworth	Work with planners and developers to ensure exceedance pathways and soakaways/detention areas are in place to attenuate both flow paths from the west.	M
K7	17 - Knebworth	Liaise with Highways England to ensure suitable maintenance regime.	M
K8	17 - Knebworth	Consider the implications of soakaway on the railway, perhaps increasing flow conveyance to the underpass and the downstream highway to open fields.	M
K9	17 - Knebworth	Improve drainage and connectivity preferentially utilising highway drainage.	M
CR1	30 - Cambridge Road, Hitchin	Undertake a detailed hydraulic study to determine the most suitable combination of options from those detailed below.	H
CR2	30 - Cambridge Road, Hitchin	Improve the highway ditches to the north west of Cambridge Road (A505) and to the east of Stotfold Road. Provide attenuation area at the bottom of these ditches in order to reduce the water flowing down Cambridge Road.	H
CR3	30 - Cambridge Road, Hitchin	Improve the highway ditch to the east of Queenwood Drive and provide attenuation at the bottom of the ditch in order to reduce the water flowing down Cambridge Road.	H
CR4	30 - Cambridge Road, Hitchin	Provide attenuation and a bund in the green triangle area located at the junction between Queenwood Drive and Cambridge Road, in order to reduce the water flowing down the side road of Cambridge Road. In addition, a speed bump in the access to the side road would to keep the water on A505 and reduce the water flowing down the side road.	H
CR5	30 - Cambridge Road, Hitchin	Potential attenuation can be investigated on the green areas located in Cambridge Road just after the junction with Queenwood Drive.	H
CR6	30 - Cambridge Road, Hitchin	Further investigation on the potential flow containment to highways and potential installation of property level measures.	H
CR7	30 - Cambridge Road, Hitchin	Attenuation (e.g. swale) in green islands in the middle of Cambridge Road.	H
CR8	30 - Cambridge Road, Hitchin	Investigate flow path between properties located between Hampden Road and Cambridge Road. Investigation on gardens flow barriers between properties.	H
CR9	30 - Cambridge Road, Hitchin	Speedbump at the access from A505 to the side road. New driveway access to property on Cambridge Road from the side road parallel to A505. Flood board on the access to block water flowing down the side road.	H
CR10	30 - Cambridge Road, Hitchin	Improve drainage in A505 as this is kept as preferential flowpath.	M
CR11	30 - Cambridge Road, Hitchin	Further assessment/secure financing of mitigation measures outlined above to enable their implementation.	M
CR12	30 - Cambridge Road, Hitchin	Ensure a suitable maintenance plan is in place for the highway drainage and gullies along this section of the A505, as this will remain as the preferential flowpath. This plan should take into account the flood risk in this area.	L

Priority:

L= Low
M = Medium
H = High