

Appendix A: Site Specific Actions for key risk sites in Hillingdon

ID	Scheme Location	Infrastructure	Households	Commercial /Industrial	Evidence from SWMP and local reports	Term	Action	Costs/ Benefits
CDA 005	Yeading Lane, Southall UB4 9. Cross boundary issue with Ealing	6	565	1	1 known property in postcode flooded from surface water sewer flooding	Long	Develop partnership with Utilities to clarify current arrangements and planned work. Assess further requirements.	TBC
CDA 012	Hinkley Close, South Harefield, UB9 6	2	107	0	4 known properties flooded in postcode from surface water sewer flooding	Long	Develop partnership with Utilities to clarify current arrangements and planned work. Assess further requirements.	TBC
CDA 013	Railway line near Copthall Covert (Skip Lane)	1	0	0	Important Rail Infrastructure	Medium	Develop partnership with Utilities to clarify current arrangements and planned work. Assess further requirements.	Funding from Drain London of approx 30k secured to investigate 9 CDA sites further. Project currently underway.
CDA 014	Section of the M4 north of Heathrow Airport	1	0	0	Strategically important Infrastructure	Medium	Ensure Highways Agency aware of the findings of the SWMP, clarify current drainage arrangements and obtain their records for verification of flooding. Assess findings to see if drainage arrangement is sufficient or whether further work is required.	See CDA No 13
CDA 015	Kingston Avenue, Yiewsley	2	593	14	Environmental	Long	Develop partnership with Utilities to clarify current arrangements and planned work. Assess further requirements.	TBC
CDA 016	Northwood Station	1	0	0	Important Rail Infrastructure	Medium	Ensure that Transport For London are aware of the SWMP findings, clarify current drainage arrangements and obtain their records for verification of flooding. In collaboration discuss if drainage arrangement sufficient or whether further work necessary.	See CDA No 13
CDA 017	Aragon Drive, Ruislip HA4 9		172	1	12 known properties flooded in postcode from surface water sewer flooding.	Long	Develop partnership with Utilities to clarify current arrangements and planned work. Assess further requirements.	TBC
CDA 018	Clyfford Road, Ruislip, HA4 6	3	921	16	35 known properties flooded in postcode from surface water sewer flooding. Crosier Way, groundwater flooding 22/11/2002	Long	Develop partnership with Utilities to clarify current arrangements and planned work. Assess further requirements.	TBC
CDA 019	A40 South Ruislip	2	0	0	Important Road Infrastructure	Medium	Ensure Highways Agency aware of the findings of the SWMP, clarify current drainage arrangements and obtain their records for verification of flooding. Assess findings to see if drainage arrangement is sufficient or whether further work is required.	See CDA No 13
CDA 020	A312 underpass at A4020 flyover	1	0	0	Important Road Infrastructure	Medium	Ensure Highways Agency aware of the findings of the SWMP, clarify current drainage arrangements and obtain their records for verification of flooding. Assess findings to see if drainage arrangement is sufficient or whether further work is required.	See CDA No 13
CDA 021	London Underground rail Line east of Ickenham Stations	1	0	0	Important Rail Infrastructure	Medium	Ensure that Transport For London are aware of the SWMP findings, clarify current drainage arrangements and obtain their records for verification of flooding. In collaboration discuss if drainage arrangement sufficient or whether further work necessary.	See CDA No 13
CDA 022	A40 (Western Avenue) underpass Hillingdon LUL track and A437 (Long Lane)	1	0	0	Important Road Infrastructure	Medium	Ensure Highways Agency aware of the findings of the SWMP, clarify current drainage arrangements and obtain their records for verification of flooding. Assess findings to see if drainage arrangement is sufficient or whether further work is required.	See CDA No 13
CDA 023	Parkway, North Hillingdon, UB10 9	2	376	7	28 known properties flooded in postcode from surface water sewer flooding. Windsor Avenue Groundwater flooding 18/11/2004	Long	Develop partnership with Utilities to clarify current arrangements and planned work. Assess further requirements.	TBC
CDA 024	Section of the M4 leading to Heathrow Airport	2	0	0	Important Road Infrastructure	Medium	Ensure Highways Agency aware of the findings of the SWMP, clarify current drainage arrangements and obtain their records for verification of flooding. Assess findings to see if drainage arrangement is sufficient or whether further work is required.	See CDA No 13

CDA 025	Uxbridge Station London Underground Line	1	0	0	Important Rail infrastructure	Medium	Ensure that Transport For London are aware of the SWMP findings, clarify current drainage arrangements and obtain their records for verification of flooding. In collaboration discuss if drainage arrangement sufficient or whether further work necessary.	See CDA No 13
CDA 027	Victoria Retail Park, Ruislip, HA4 0. Cross boundary issue with Harrow	4	0	13	7 known properties flooded in postcode from surface water sewer flooding.	Short	Develop partnership with Utilities to clarify current arrangements and planned work. Assess further requirements. Engage with members of the industrial estate to explore opportunities to investigate further and reduce risk as redevelopment occurs.	Funding from Drain London secured and project currently underway.
CDA 028	Ladygate Lane, Ruislip, HA4 7	1	0	1	19 known properties flooded in postcode from surface water sewer flooding. Also flooded in area in 1977 and 1988.	Short	Review the flood risk to the area with the benefit of more detailed modelling and reconsider provision of flood storage on Mad Bess Brook previously considered and discounted due to costs versus the benefits. Investigation on flood risk from Cannons Brook undertaken by consultants commissioned by Hillingdon. A number of recommendations made including replacement of the trash screen and removal of silt identified. A new trash screen will reduce the likelihood of the screen blocking and therefore will reduce flood risk from the Cannons Brook, this will also be safe and easier for Council staff to clear. In the longer term advise local residents on the benefits of water butts, rainwater harvesting and retrofitting permeable surfaces within the CDA along with opportunities for flood resilience measures. Possible engagement of community through street champions.	Funding for replacement trash screen secured. Environment Agency contribution of £175,000 towards the total of £235,000. Work to be undertaken 2014. Further funding secured to investigate Mad Bess Brook.

Significant reported other events								
	Breakspear Road South, UB9 6	1	0	0	Road closed in December 2012, and on a number of previous occasions.	Short	Clarify current drainage arrangements with Thames Water. Develop partnership with Network Rail to reduce local flooding on the road, through maintenance of ditches. Investigate any further opportunities to mitigate the flooding. Meetings with Network Rail have secured the clearance of ditches, and other small improvements including the creation of a new headwall.	Creation of new headwall by Network Rail in early 2014 and clearance of ditches at their cost.
	Charville Lane, Ullswater and Kendall Close, Hayes UB4 8	3	39	0	4 known properties flooded in postcode from surface water sewer flooding. Roads flooded Dec 2012	Short	Develop partnership with Thames Water to clarify current arrangements and planned work. Requires complex water flow arrangements requires in-depth investigation for appropriate mitigation which does not increase flood risk to others. Possible costs involved.	TBC
	Central Avenue, Hayes, UB3 2	1	0	0	6 known properties flooded in postcode from surface water sewer flooding. Over 20 queries from local residents.	Medium	Clarify current drainage arrangements with Thames Water to clarify current arrangements and planned work and to take action. Establish full understanding of the area. Make recommendations for mitigation if feasible, considering benefits.	TBC

SWMP = Surface Water Management Plan

CDA = Critical Drainage Area

Evidence on Surface water sewer information obtained from the SWMP Part 1 Evidence Base Tables 3-5 Number of Thames Water Sewer flood records within the Council.

Evidence on Groundwater information obtained from SWMP Part 1 Evidence Base Table 3-4 Records of Groundwater Flooding.