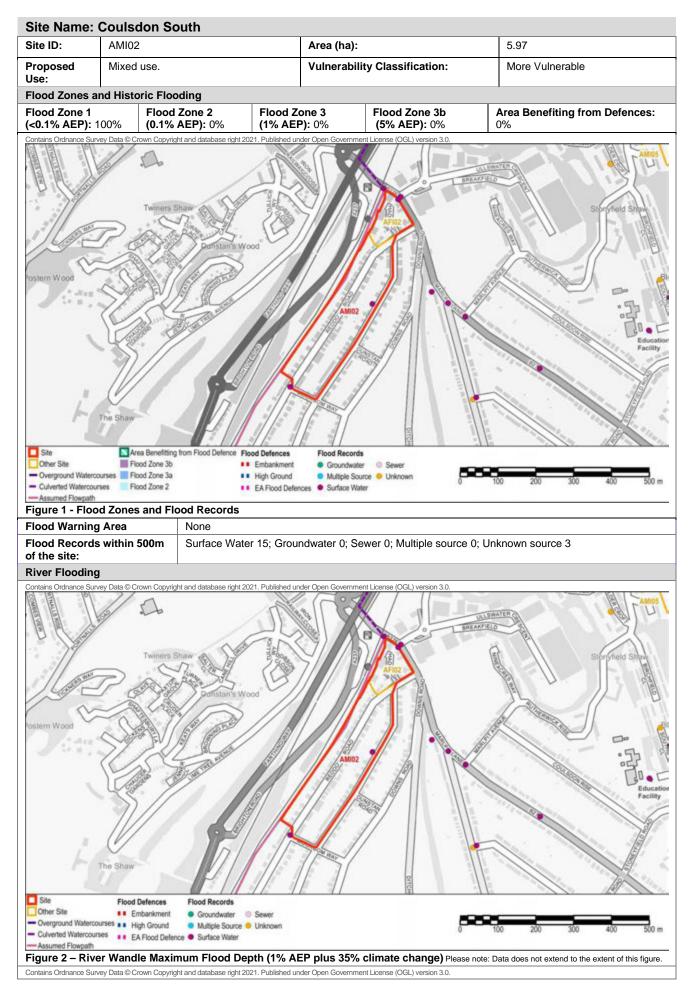
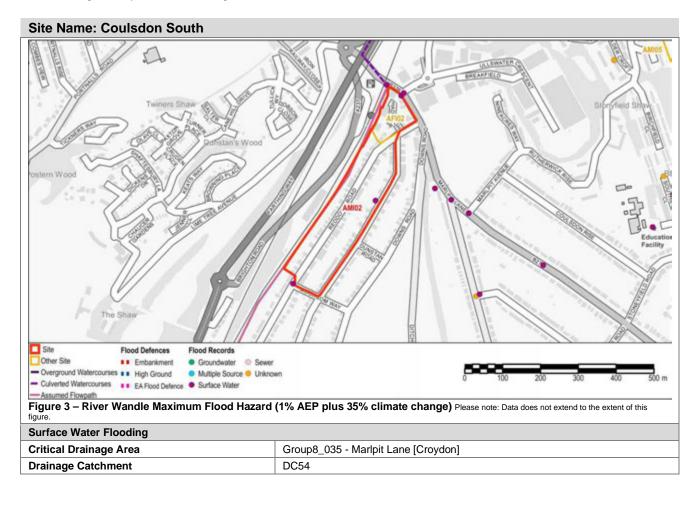
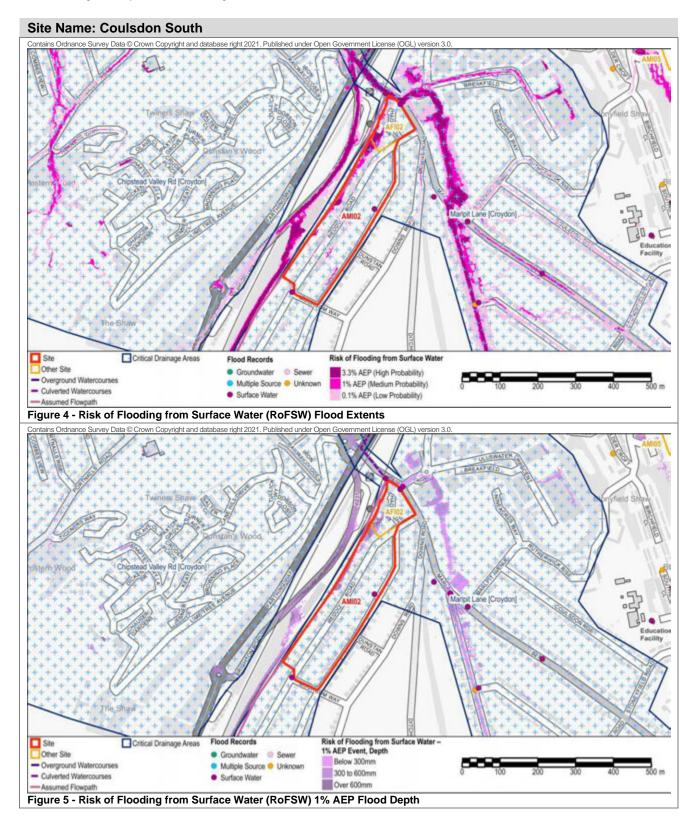
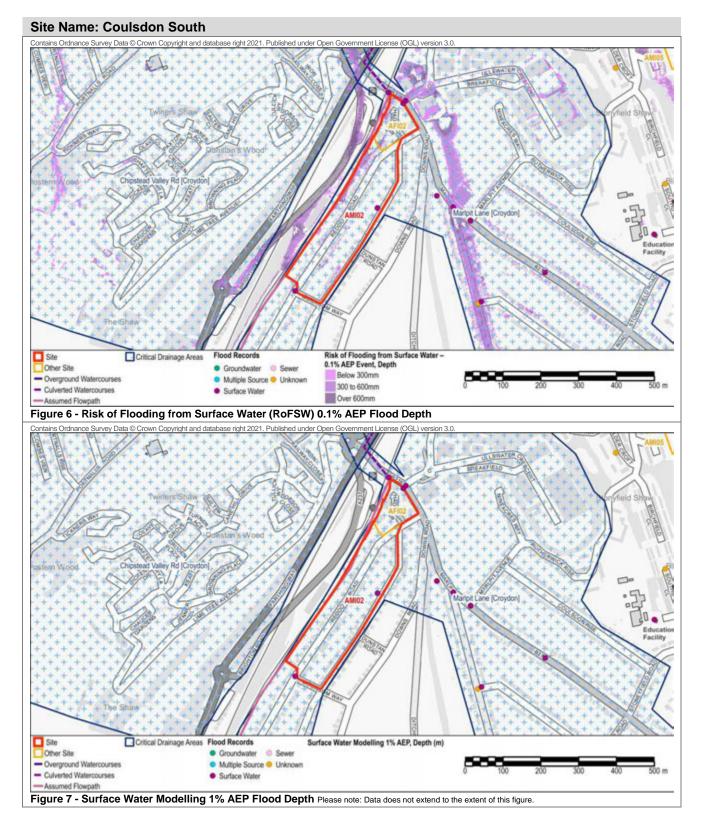
Appendix B Areas of Moderate Intensification

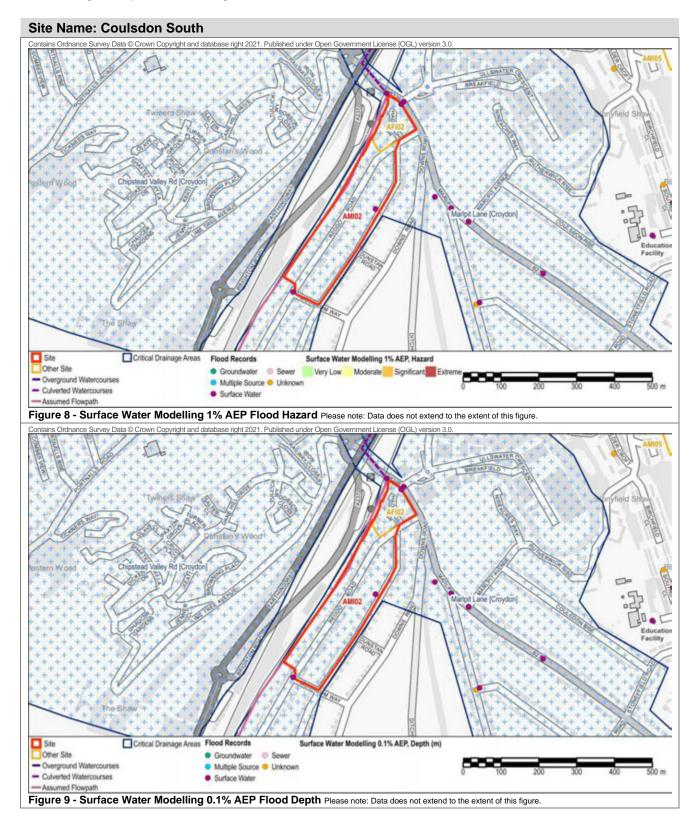
AMI2 Coulsdon South AMI3 Waddon AMI4 Purley East AMI5 Purley/Kenley AMI6 Selsdon AMI7 South Croydon/Sanderstead AMI8 Purley North AMI9 Addiscombe (cluster of 2) AMI10 Purley/Coulsdon AMI11 Kenley Station





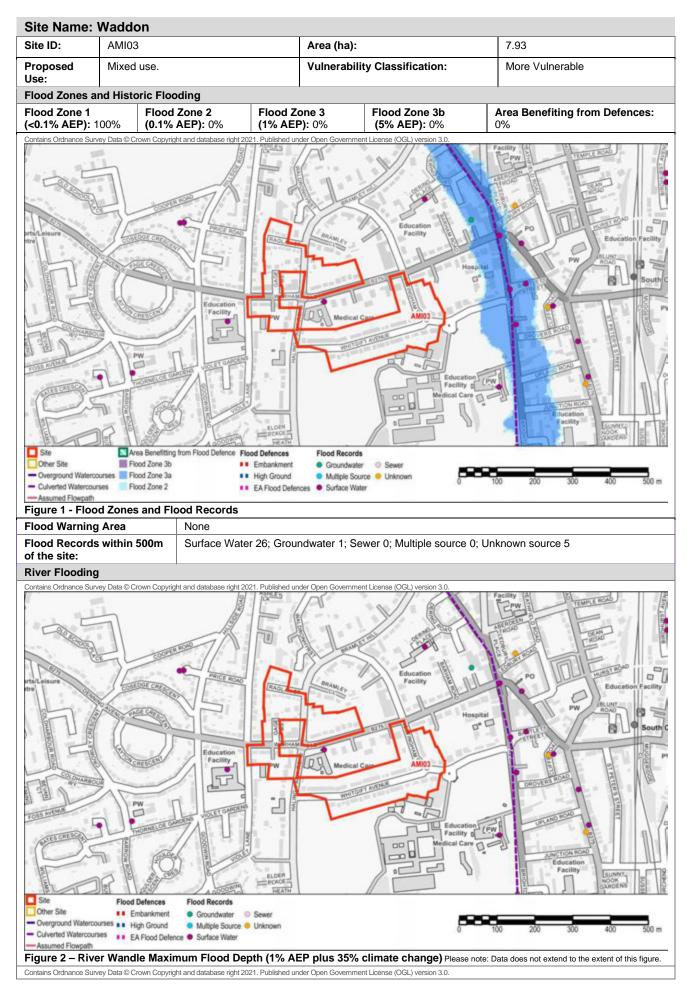


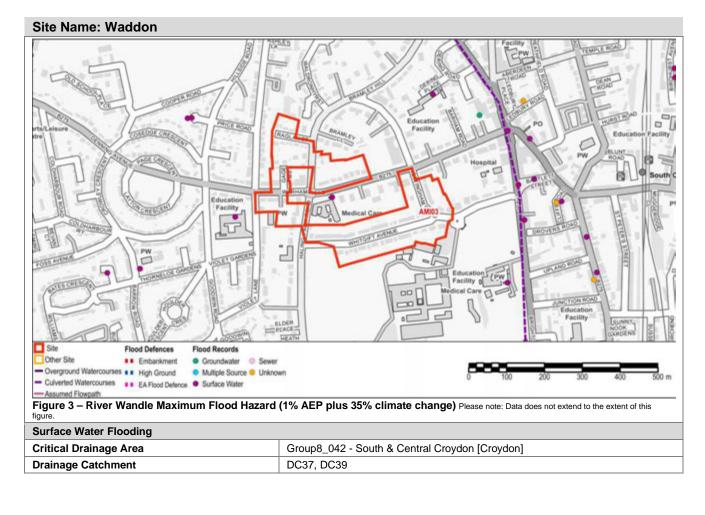


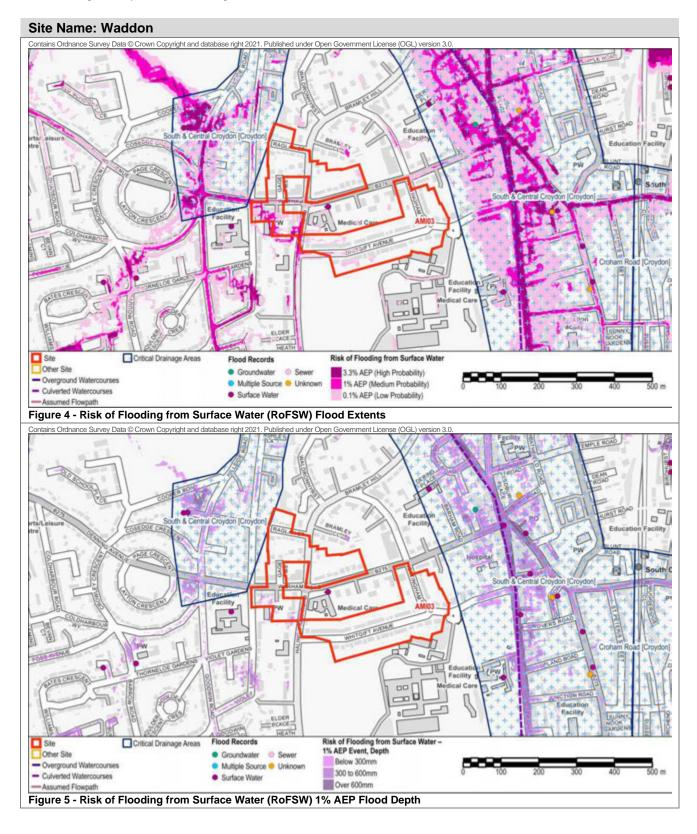


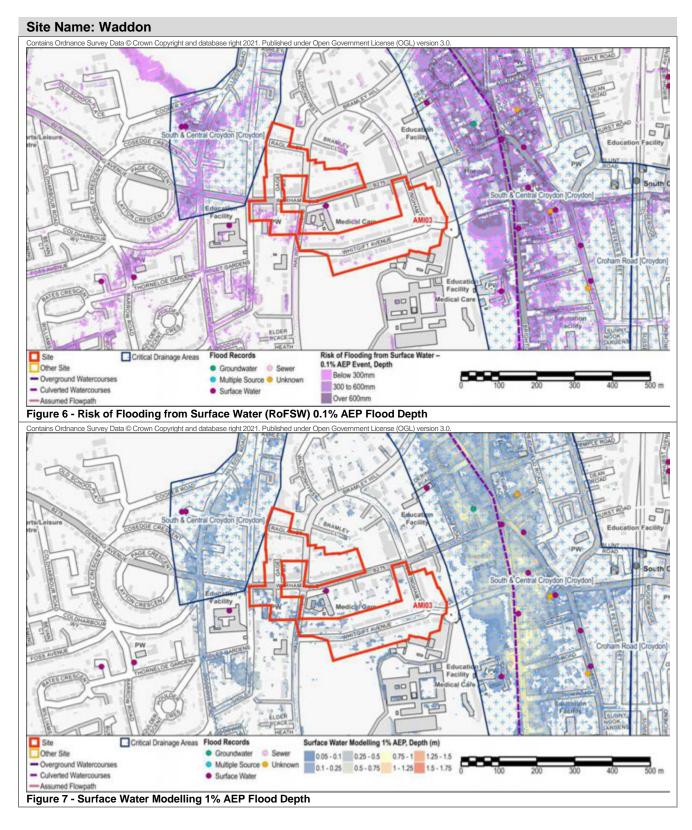
Site Name: Coulsdon South		
Containe Ordnance Survey Data & Crown Copyright and database right 2021. Published under Open Government License (OcL) version 3.0.		
- Culverted Watercourses - Assumed Flowpath	 Surface Water 	
Figure 10 - Surface Water Modelling 0.1% AEP Flood Hazard Please note: Data does not extend to the extent of this figure.		
Groundwater Flooding		
Bedrock Geology	White Chalk Subgroup	Superficial Geology -
Increased Potential for Elevat		Yes
Susceptibility to Groundwater	Flooding (BGS)	Limited potential for groundwater flooding to occur, Potential for groundwater flooding of property situated below ground level, Potential for groundwater flooding to occur at surface
Other Sources		
Risk of flooding from reservoirs	The Long Term Flood Risk Map shows that the site is not at risk of flooding, in the event of a breach or failure of a reservoir.	
Summary		
The site lies entirely (100%) within Flood Zone 1, low probability of river flooding.		
The site lies within the Marlpit Lane CDA. There are five records of surface water flooding close to the site boundary, one to the south, one in the centre and three in the north. There are additional records of surface water flooding within 500m of the site. The Risk of Flooding from Surface Water mapping shows that land adjacent to the railway line along the western boundary of the site are at risk of flooding to depths of over 600mm during a 0.1% AEP event, with areas to the south of the site reaching depths between 300-600mm. Surface water flooding is shown to occur along Chaldron Way, leading to Marlpit Lane and beneath the railway line and the A23 where there are historic records of flooding.		
Site Specific Recommendations		
 the application of the Exception ensure that development is safe where possible will reduce flood Opportunities should I Development proposa approaches to the ma innovative technologie The RoFSW mapping should consider provis Flood resistance and during surface water f This area is covered b risk from Groundwate Purley, South Croydon does not give time-spect 	Test. However, given the potential fo for its lifetime considering the impact risk overall. To this end, the following be sought for providing strategic SuDS als should seek to restrict surface wate magement of surface water making us es; and incorporate soft landscaping, p shows that Marlpit Lane is at risk of s sion of safe access/egress using altern resilience measures should be adopte looding and enable rapid re-occupanc by the Environment Agency Flood Aler r flooding including Caterham Bourne, n, Whyteleafe, Bromley, Bexley, and L ecific warnings.	urface water flooding. Development proposals within the AMI native routes to the south. In within ground level developments to reduce potential damage

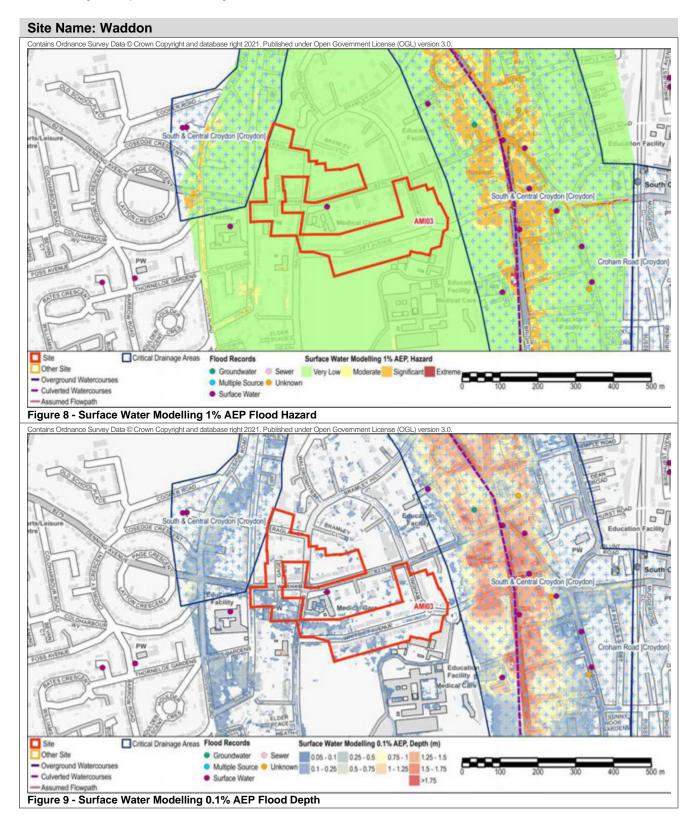
• The risk of groundwater flooding and groundwater levels should be further assessed as part of a Site Investigation for specific development proposals within the AMI.

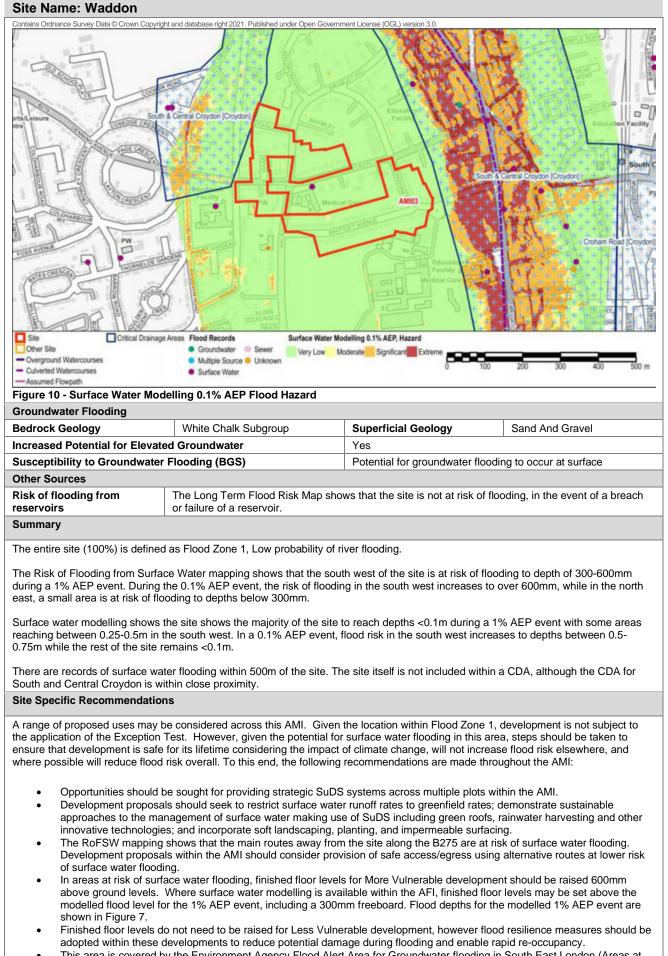












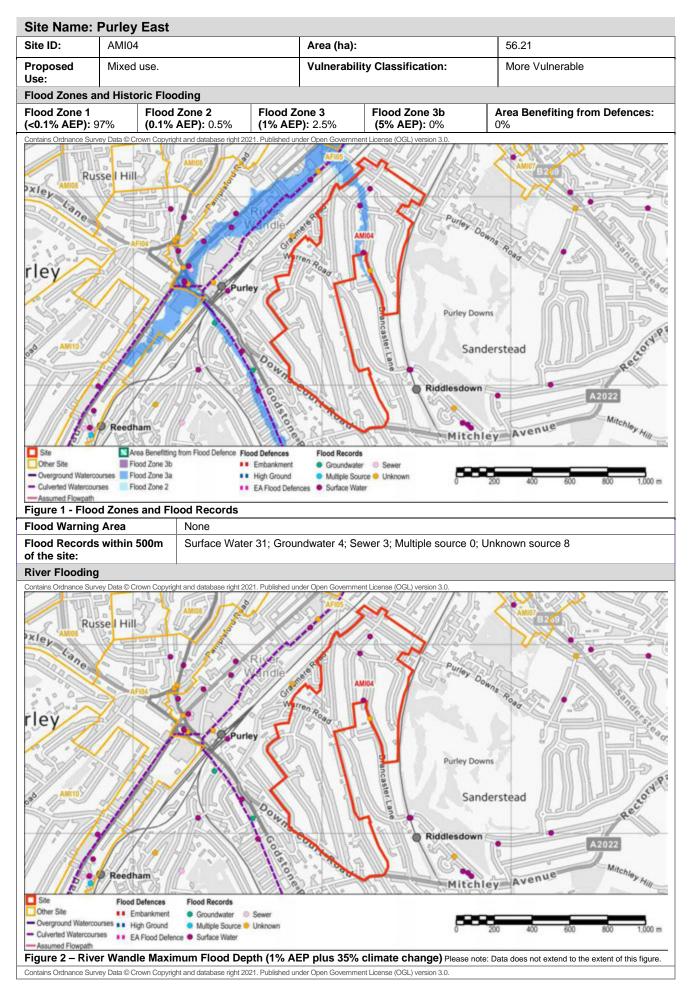
• This area is covered by the Environment Agency Flood Alert Area for Groundwater flooding in South East London (Areas at risk from Groundwater flooding including Caterham Bourne, Coulsdon Bourne, Beddington, Carshalton, Coulsdon, Kenley,

Site Name: Waddon

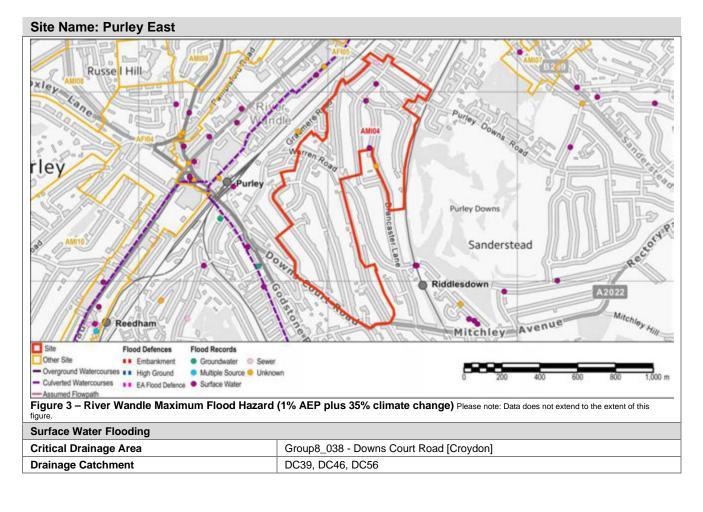
Purley, South Croydon, Whyteleafe, Bromley, Bexley, and Lewisham). This service has a wide geographic coverage and does not give time-specific warnings.

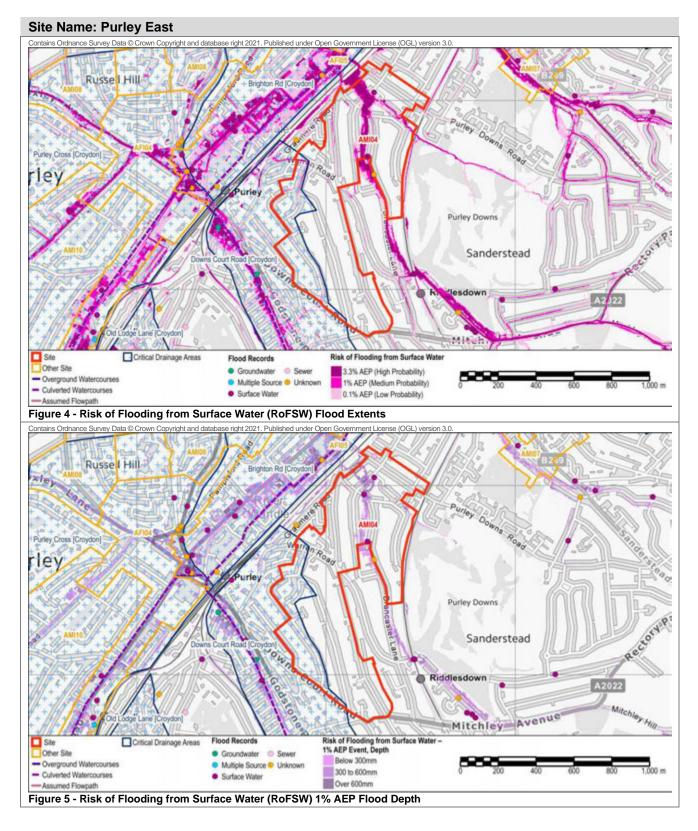
• The risk of groundwater flooding and groundwater levels should be further assessed as part of a Site Investigation for specific development proposals within the AMI.

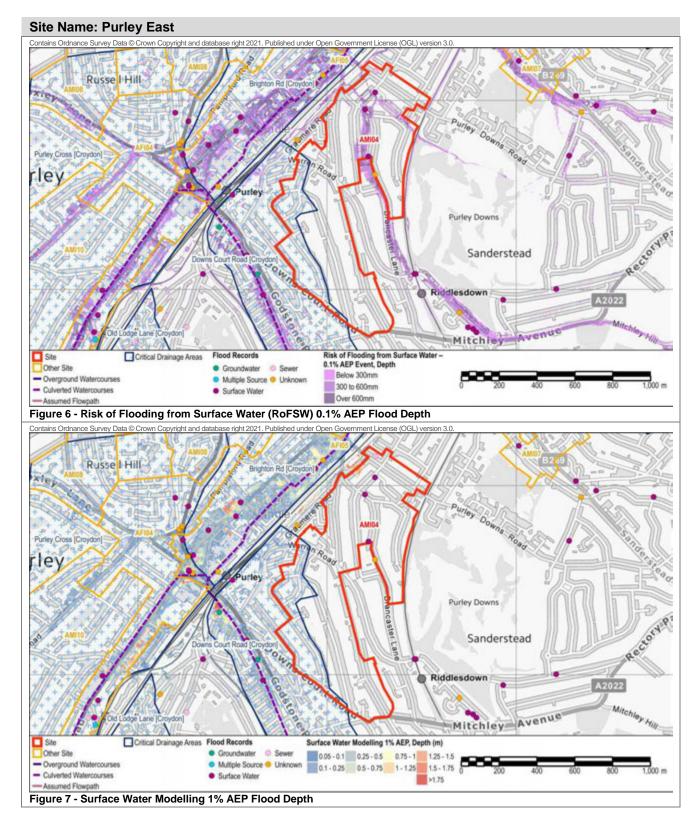
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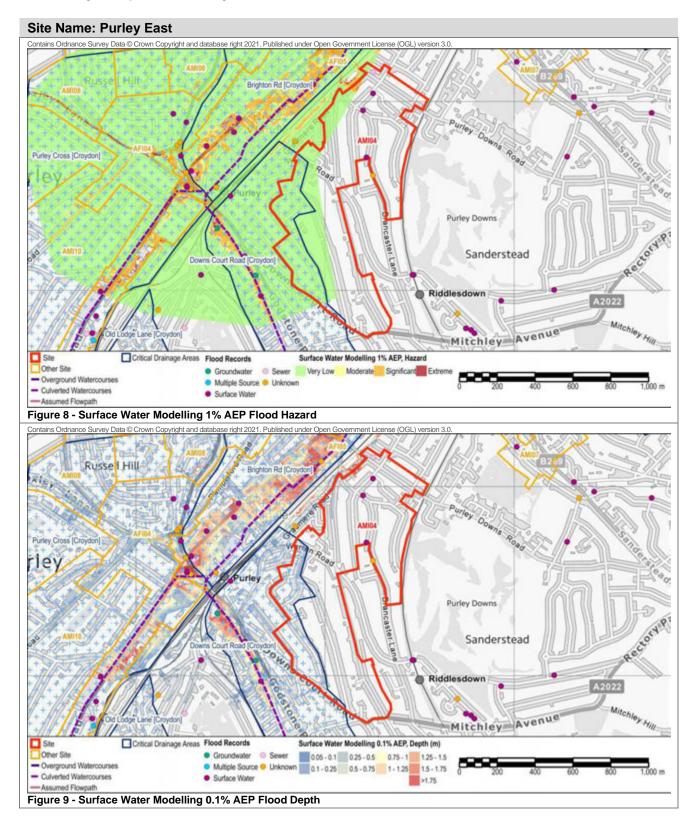


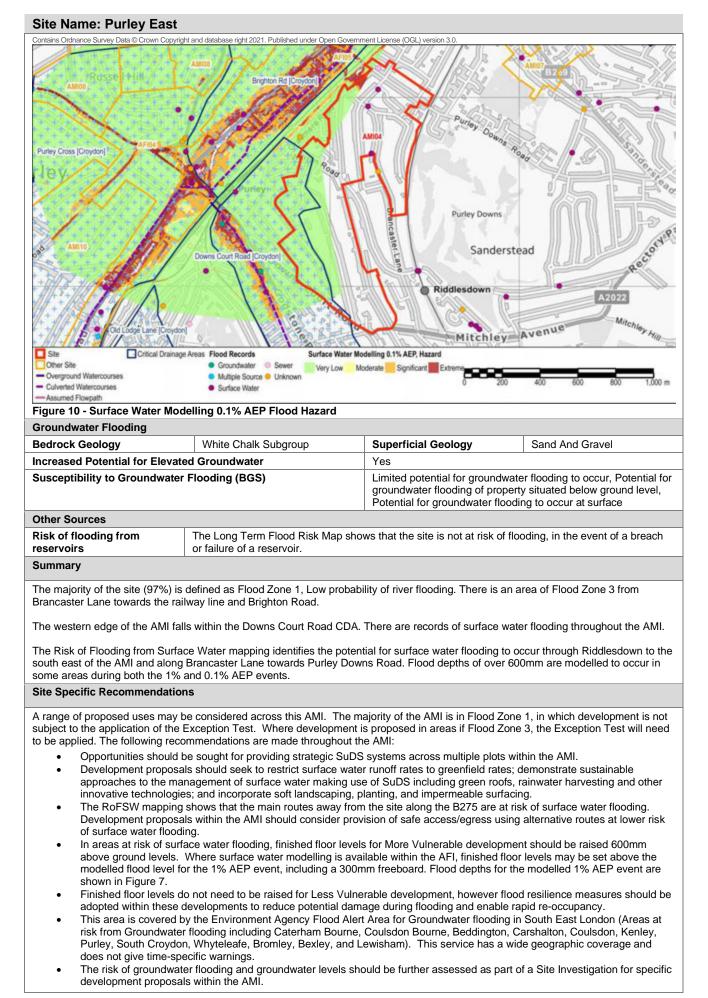
Refer to the London Borough of Croydon Level 1 and Level 2 SFRA Reports for full details and limitations of the datasets used in this site assessment.



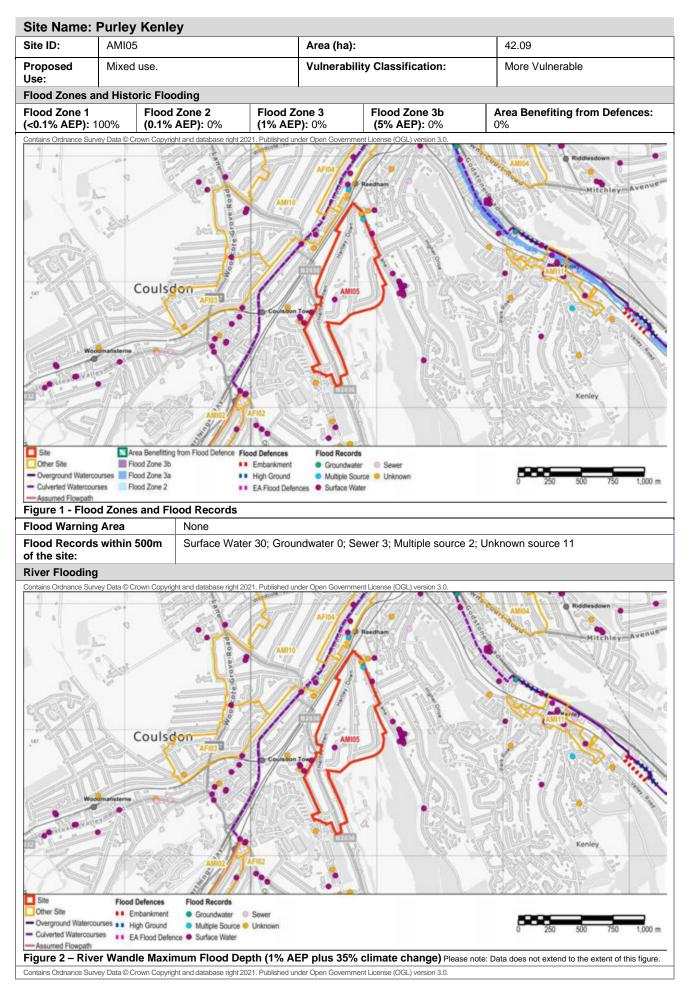


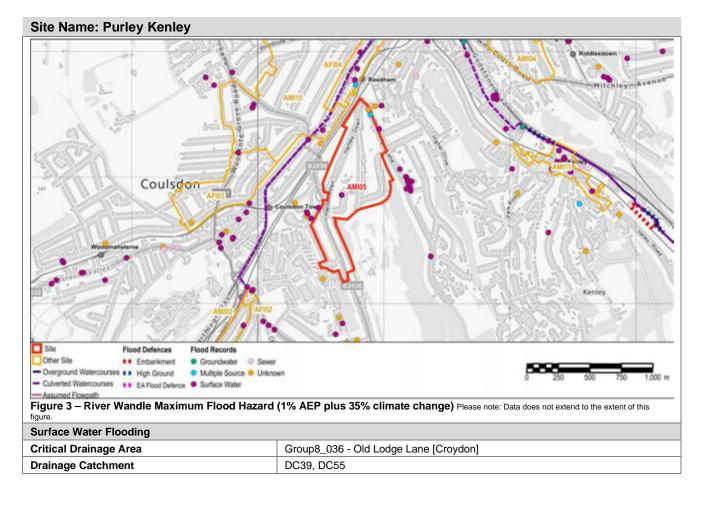


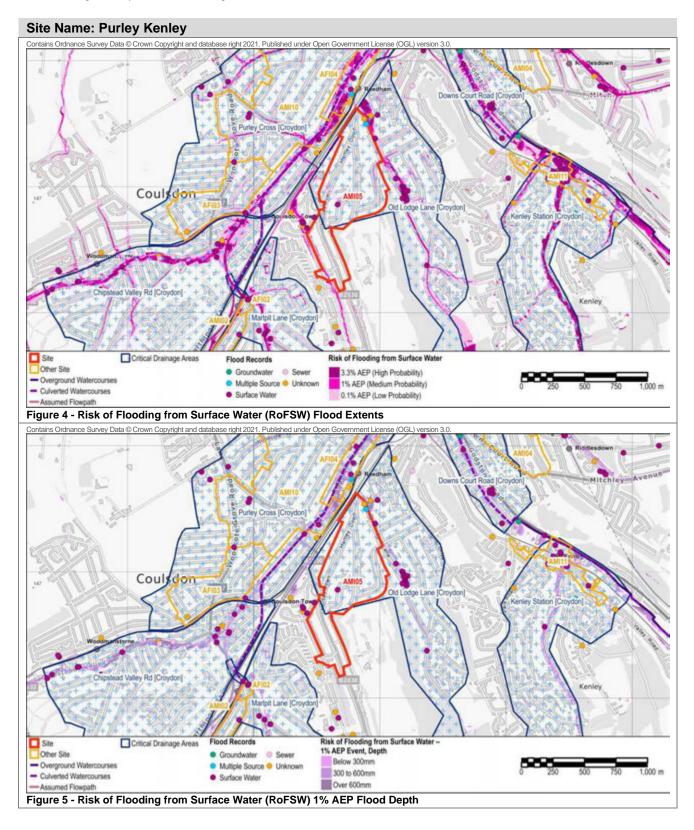


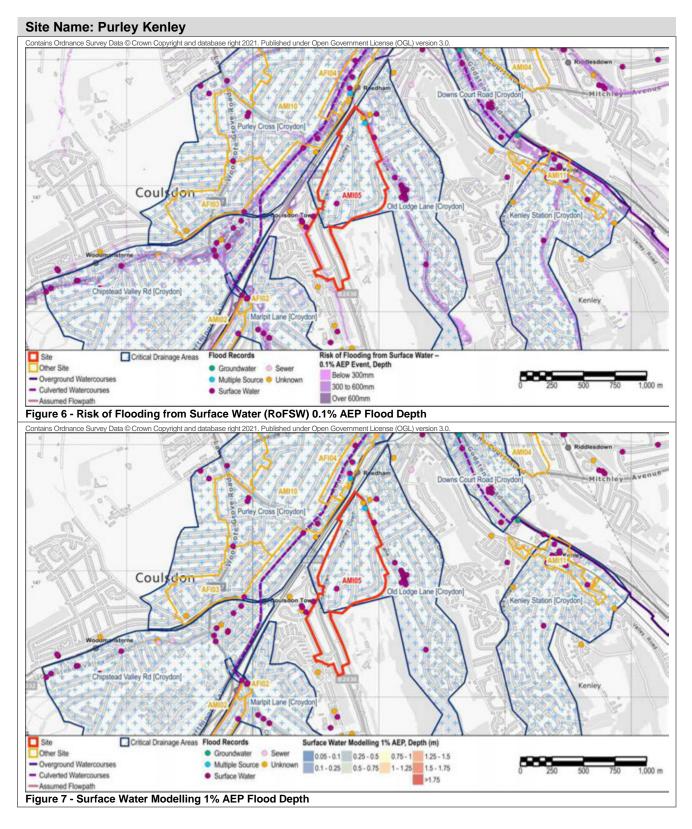


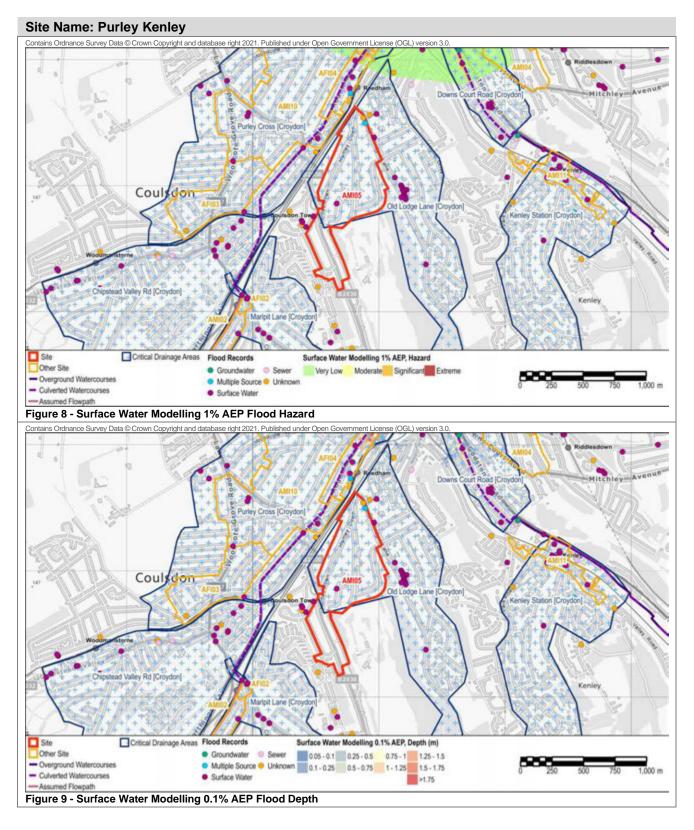
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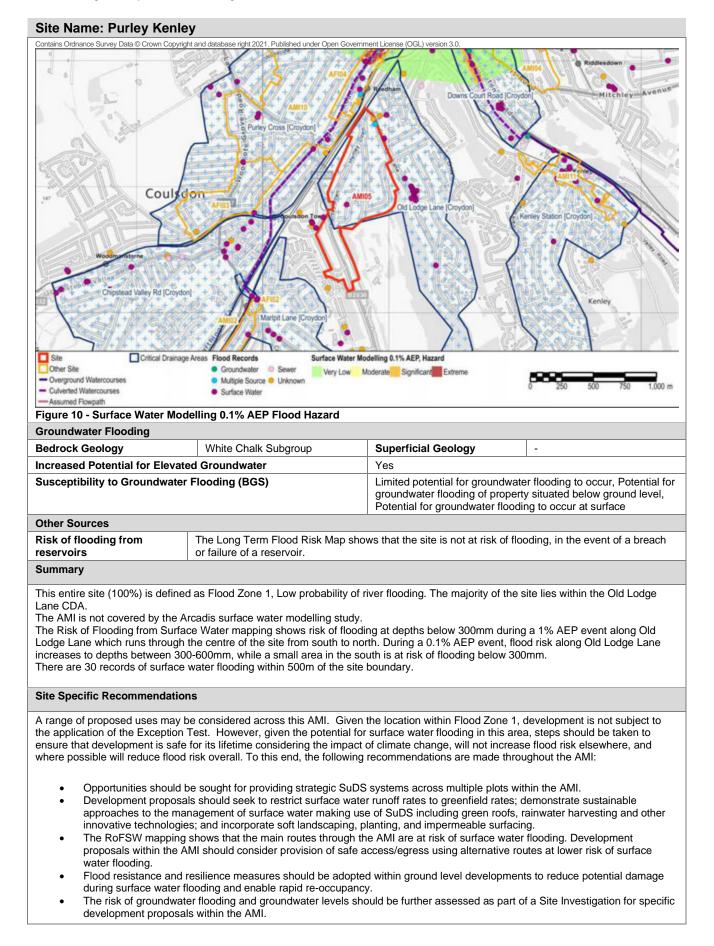


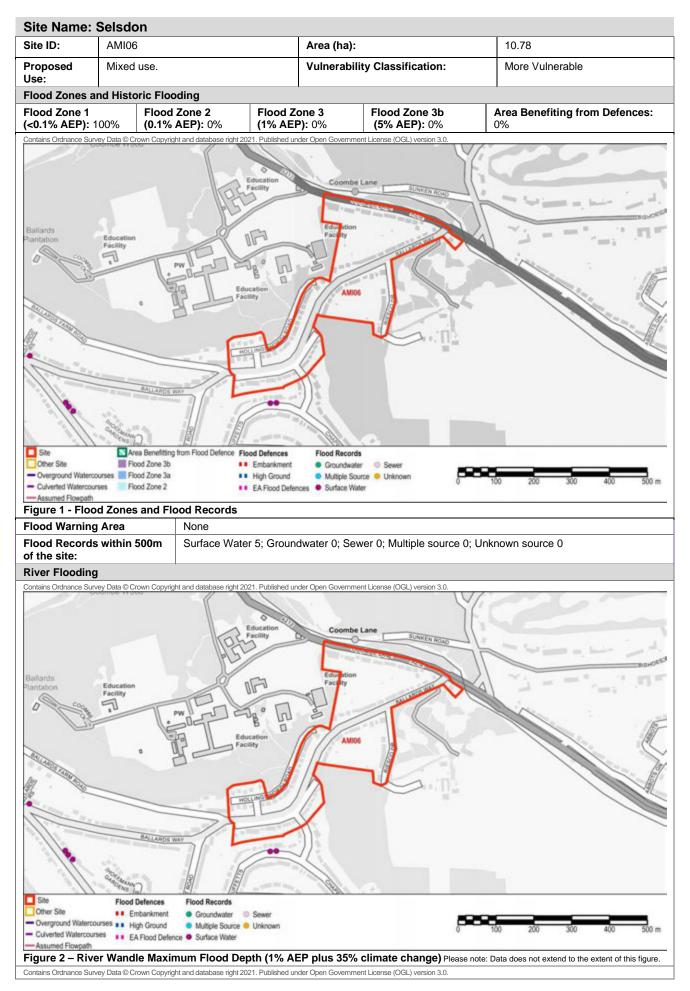


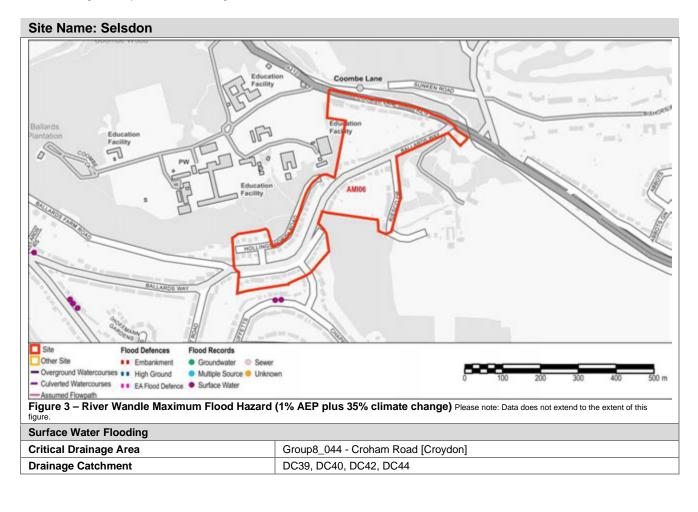


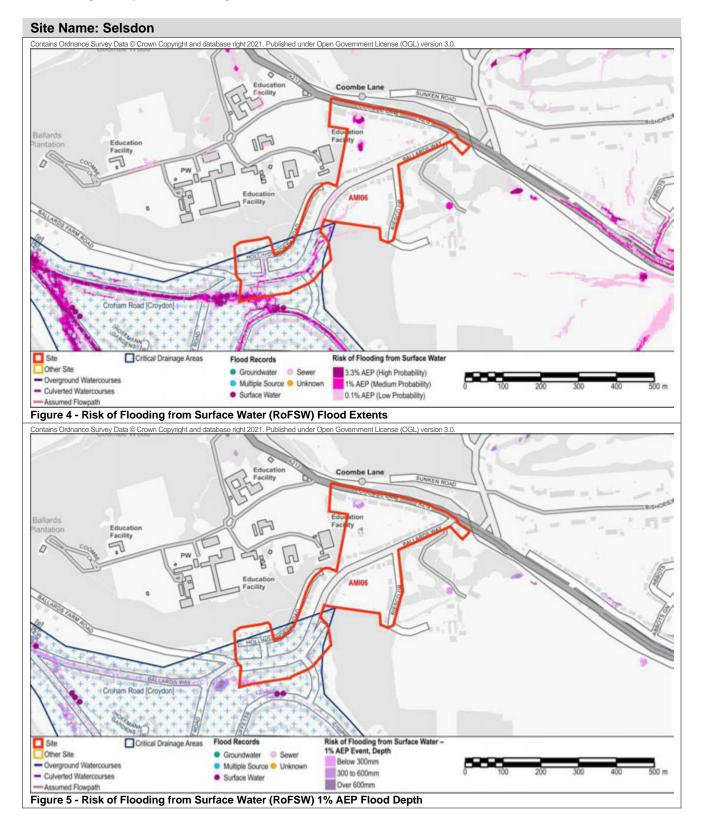


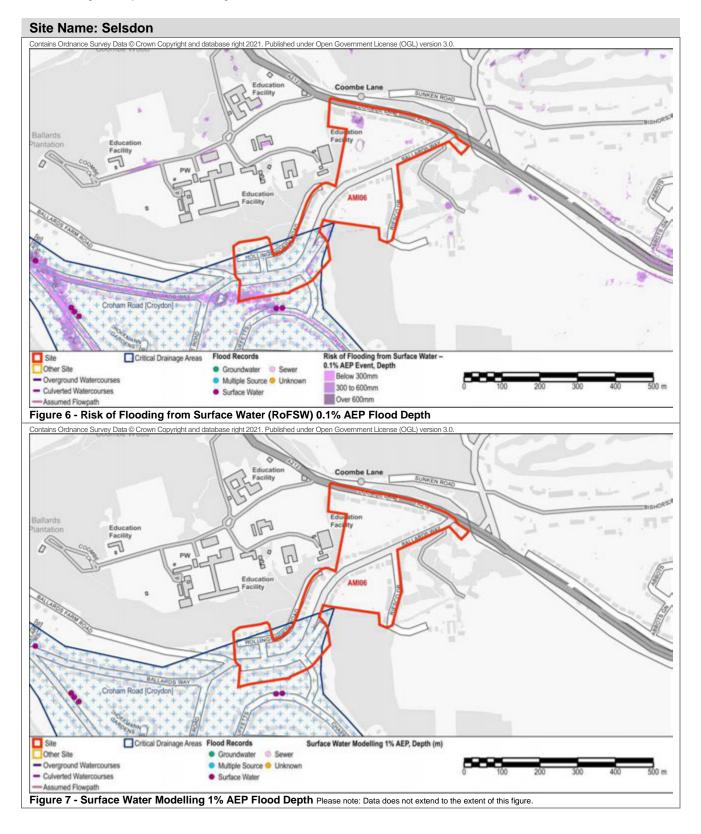


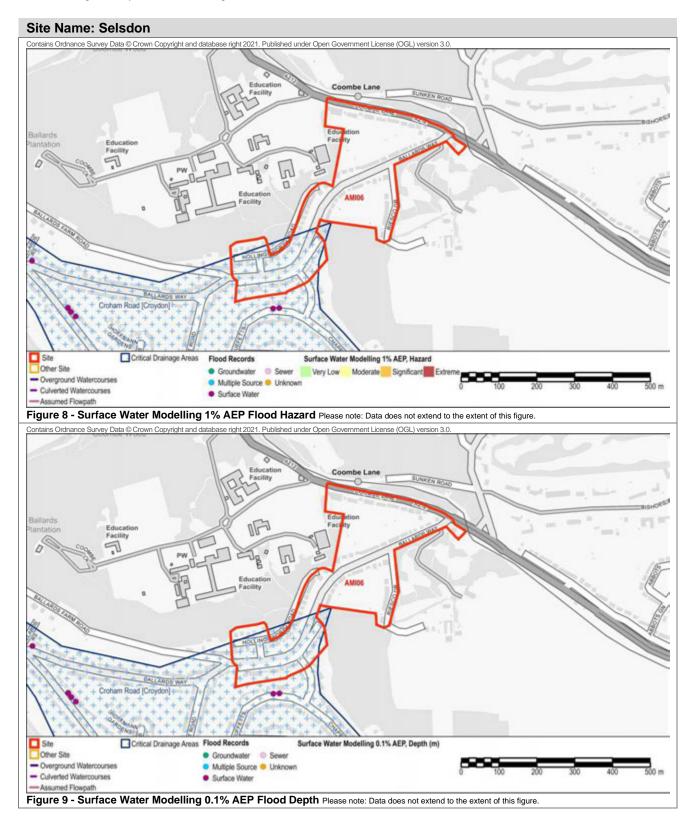




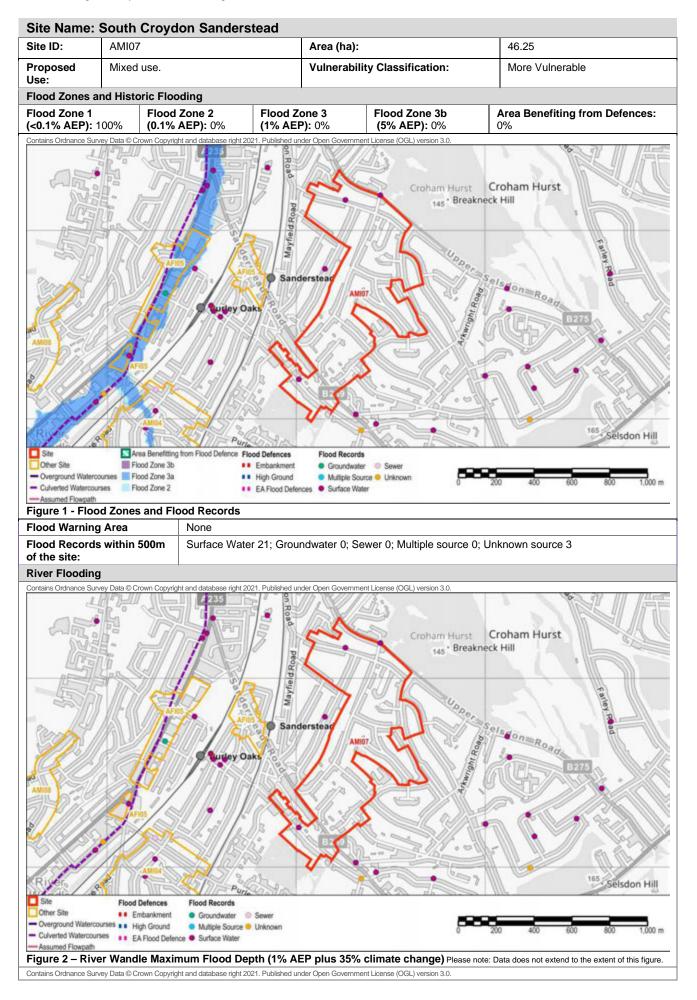




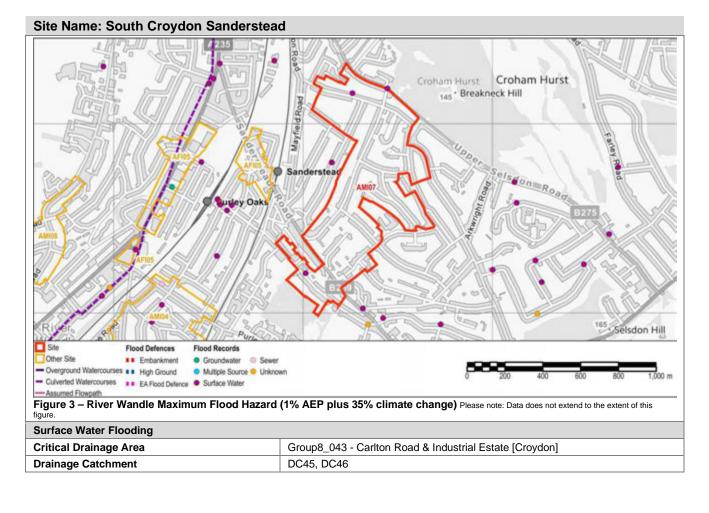


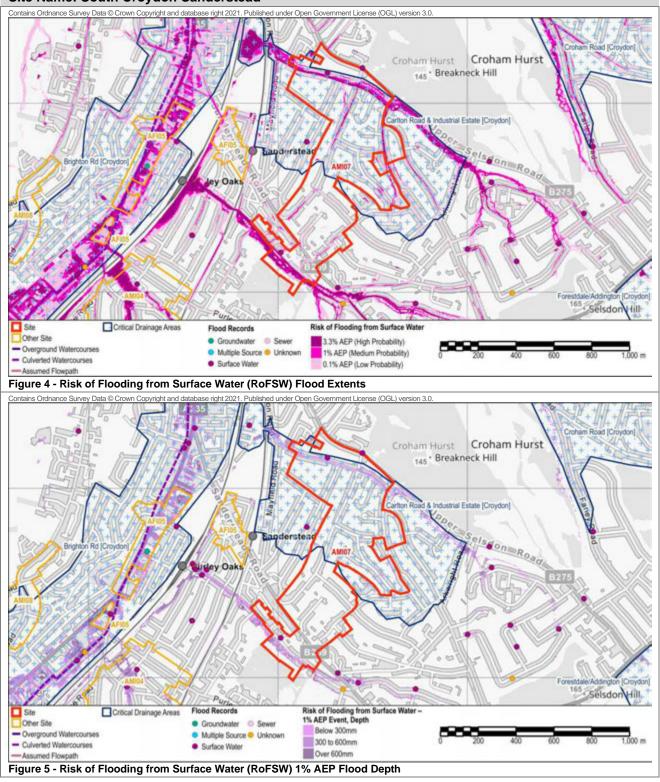


Site Name: Selsdon ins Ordnance Survey Data © Crown Copyright and database right 2021. Published under Open Government License (OGL) version 3.0 ALLAPDS WA Site itical Drainage Areas Flood Records Surface Water Modelling 0.1% AEP, Hazard Other Site Groundwater Very Low Moderate Significant Ext - Overground Watercourses Multiple Source 😑 Unknown Culverted Watercourses Surface Water Assumed Flowpath Figure 10 - Surface Water Modelling 0.1% AEP Flood Hazard Please note: Data does not extend to the extent of this figure. **Groundwater Flooding Bedrock Geology** Lambeth Group, Thames Group, Superficial Geology White Chalk Subgroup **Increased Potential for Elevated Groundwater** No Susceptibility to Groundwater Flooding (BGS) Limited potential for groundwater flooding to occur, Potential for groundwater flooding to occur at surface **Other Sources** Risk of flooding from The Long Term Flood Risk Map shows that the site is not at risk of flooding, in the event of a breach reservoirs or failure of a reservoir. Summary The entire site (100%) is defined as Flood Zone 1, Low probability of river flooding. The south west of the site is situated within the Croham Road CDA. This AMI is not covered by the Arcadis surface water modelling study. The Risk of Flooding from Surface Water mapping shows a flowpath that passes through the south of the AMI towards Ballards Way and The Ruffetts. There is a risk of flooding to depths up to 300mm during a 1% AEP event, increasing to 300-600mm during a 0.1% AFP event There are no flood records within this AMI. **Site Specific Recommendations** A range of proposed uses may be considered across this AMI. Given the location within Flood Zone 1, development is not subject to the application of the Exception Test. However, given the potential for surface water flooding in this area, steps should be taken to ensure that development is safe for its lifetime considering the impact of climate change, will not increase flood risk elsewhere, and where possible will reduce flood risk overall. To this end, the following recommendations are made throughout the AMI: Opportunities should be sought for providing strategic SuDS systems across multiple plots within the AMI. Development proposals should seek to restrict surface water runoff rates to greenfield rates; demonstrate sustainable approaches to the management of surface water making use of SuDS including green roofs, rainwater harvesting and other innovative technologies; and incorporate soft landscaping, planting, and impermeable surfacing. The RoFSW mapping shows that the main routes through the AMI are at risk of surface water flooding. Development proposals within the AMI should consider provision of safe access/egress using alternative routes at lower risk of surface water flooding. Flood resistance and resilience measures should be adopted within ground level developments to reduce potential damage during surface water flooding and enable rapid re-occupancy. The risk of groundwater flooding and groundwater levels should be further assessed as part of a Site Investigation for specific development proposals within the AMI.

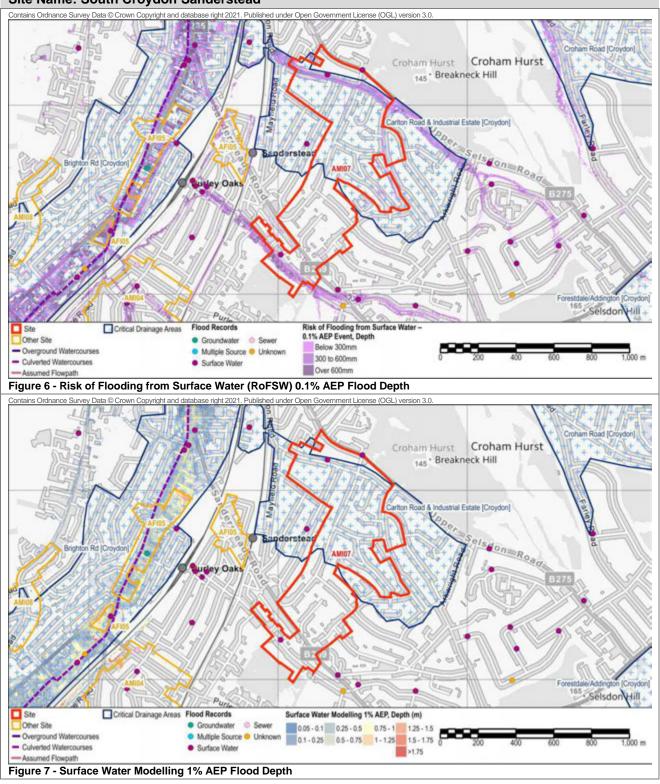


Refer to the London Borough of Croydon Level 1 and Level 2 SFRA Reports for full details and limitations of the datasets used in this site assessment.

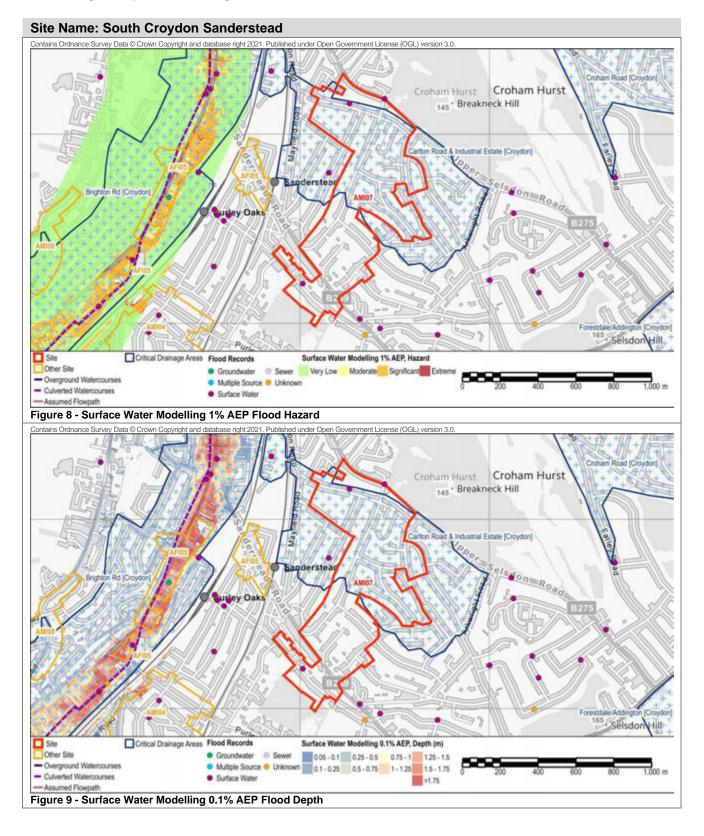


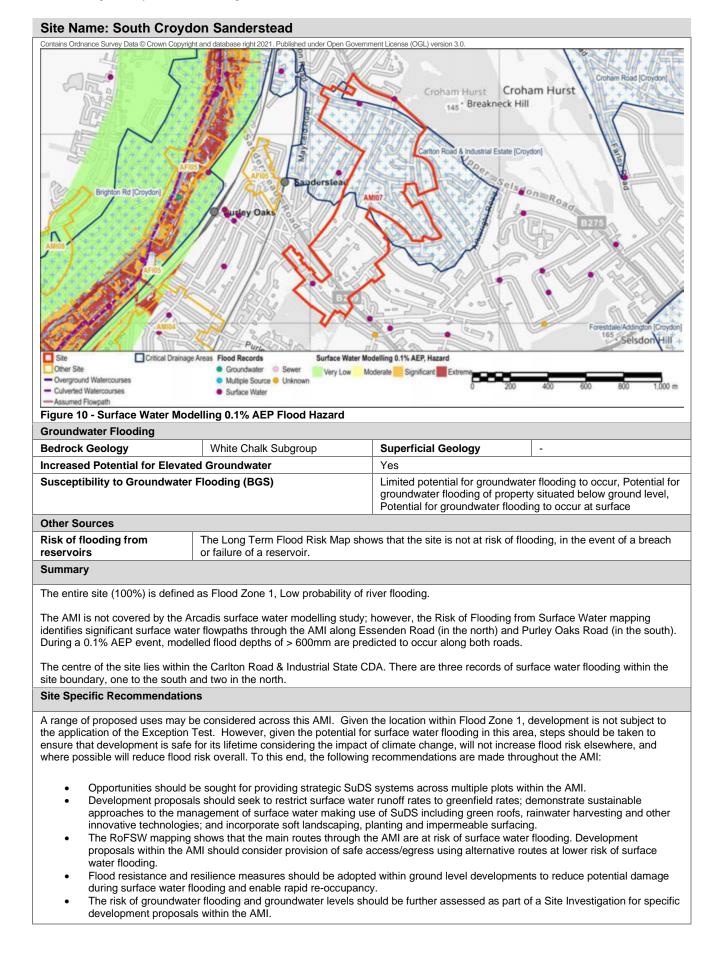


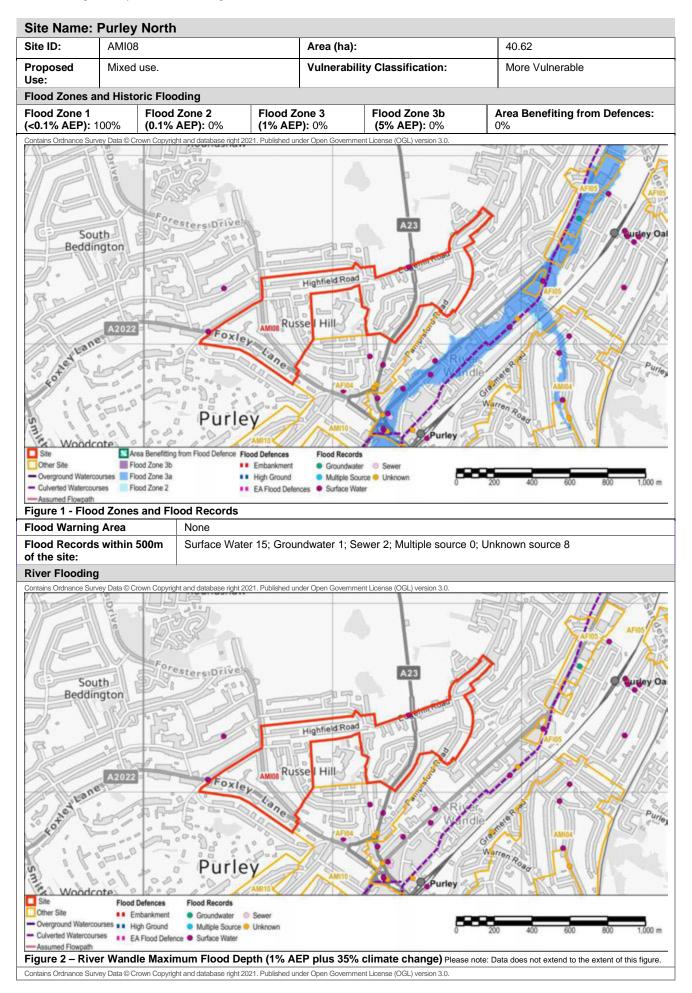
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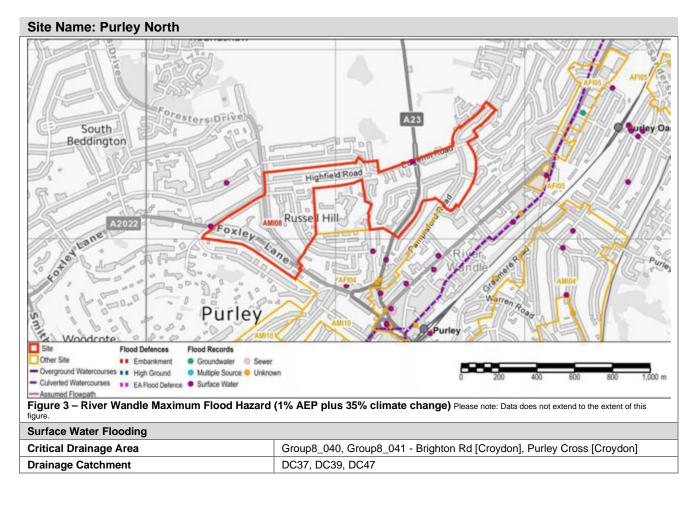
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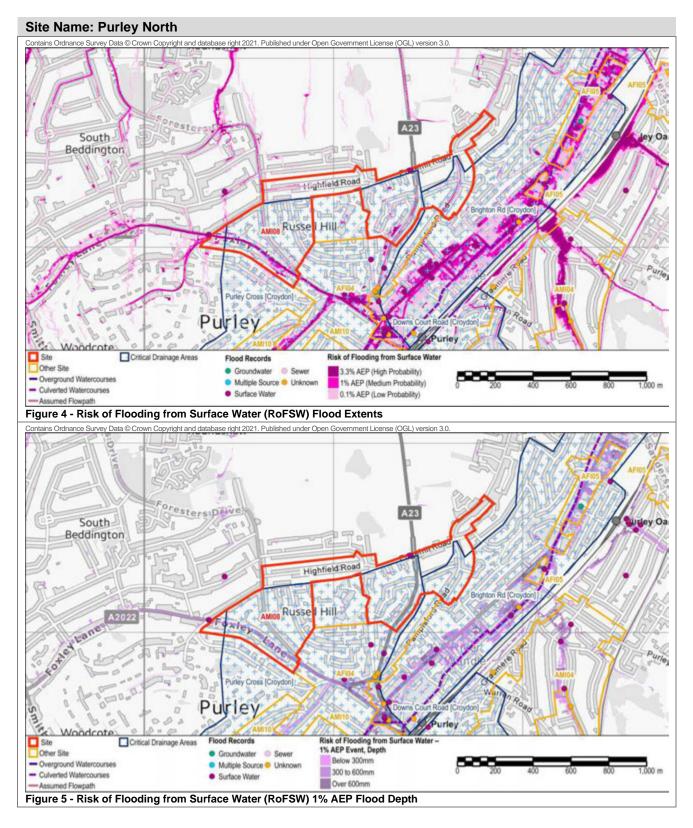


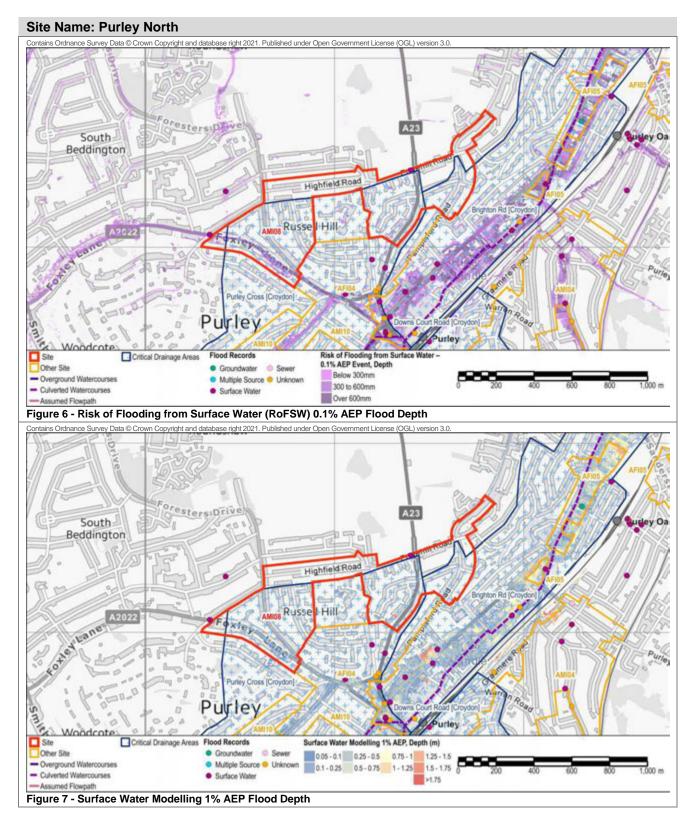


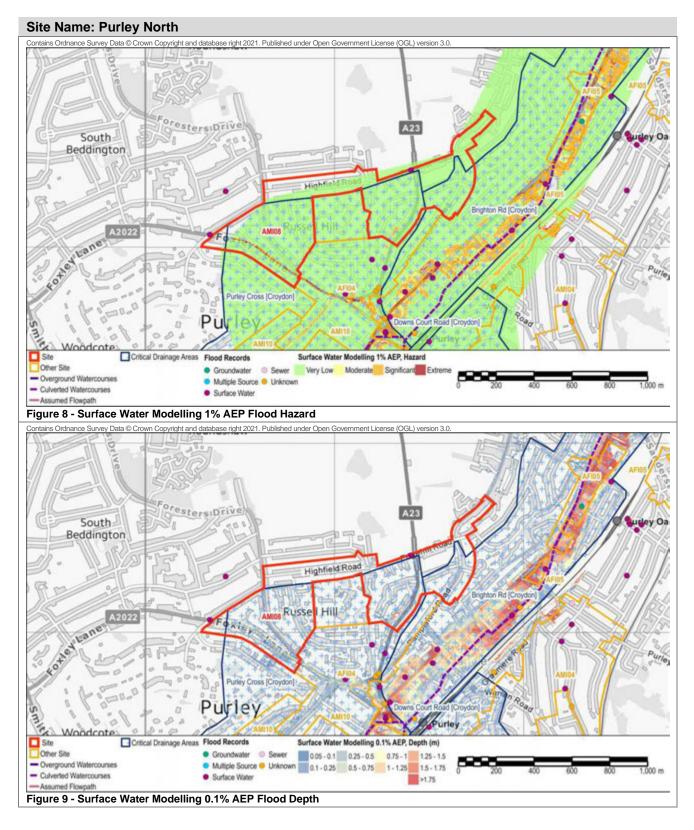


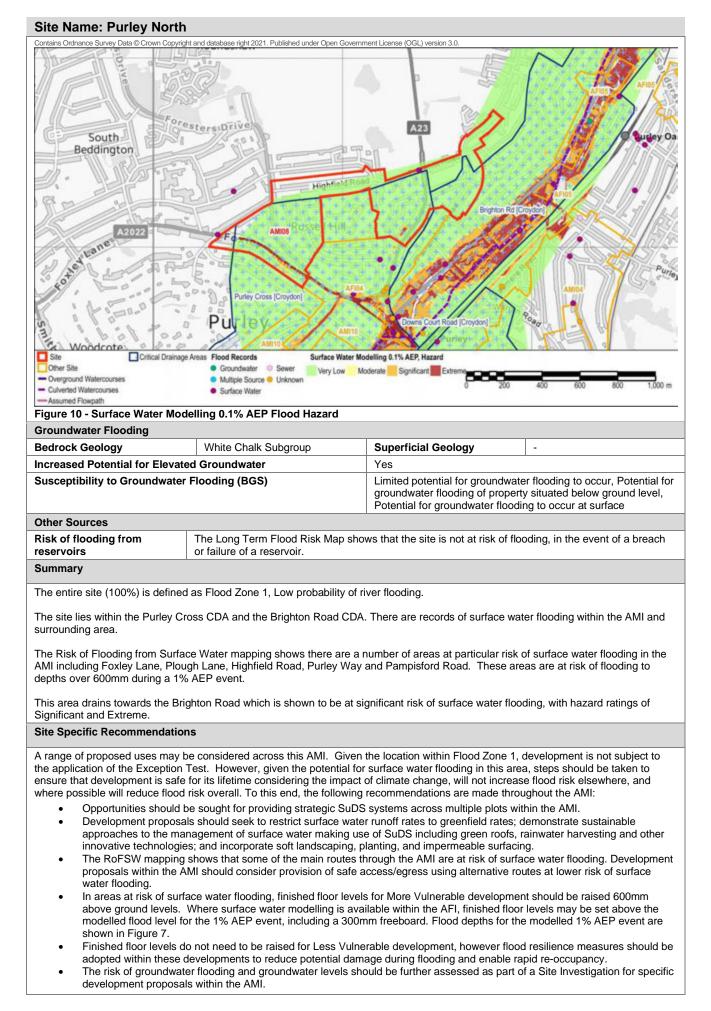
Refer to the London Borough of Croydon Level 1 and Level 2 SFRA Reports for full details and limitations of the datasets used in this site assessment.



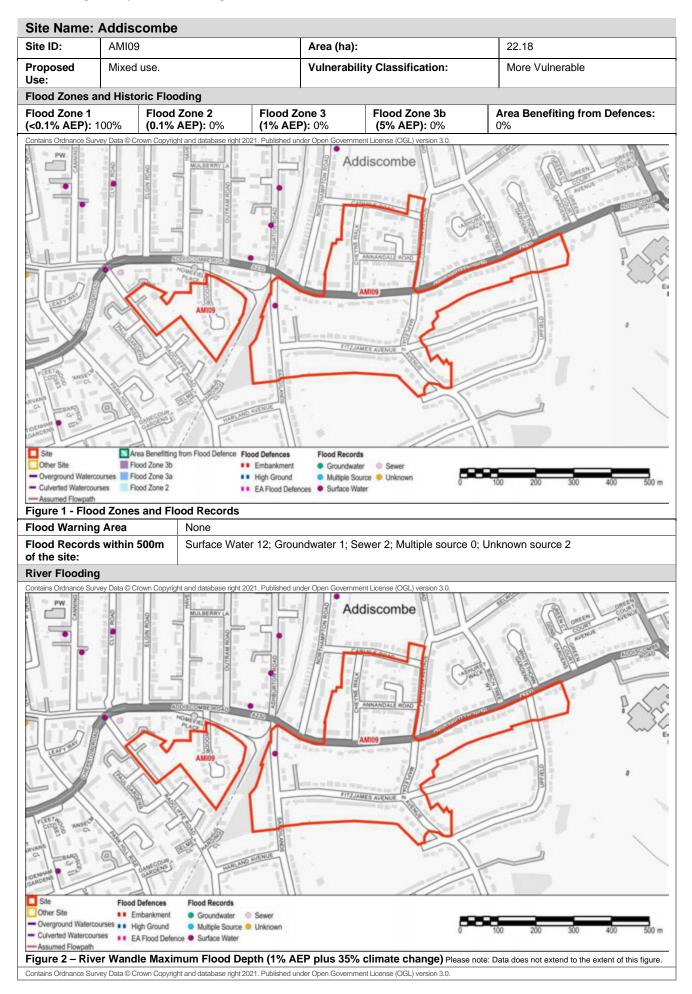




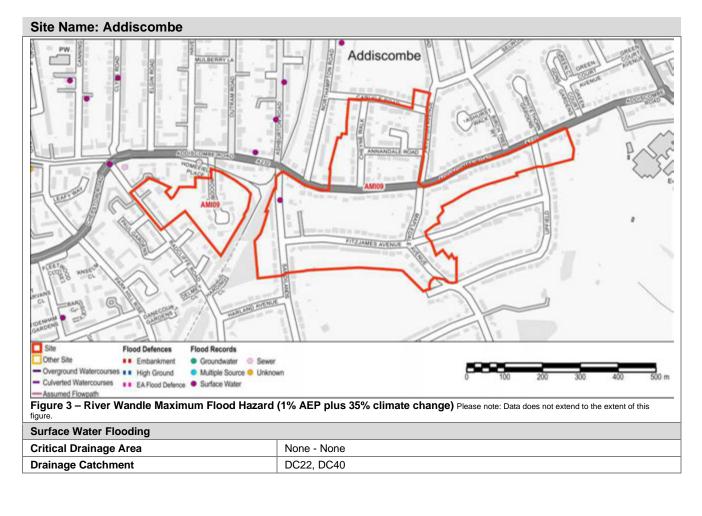


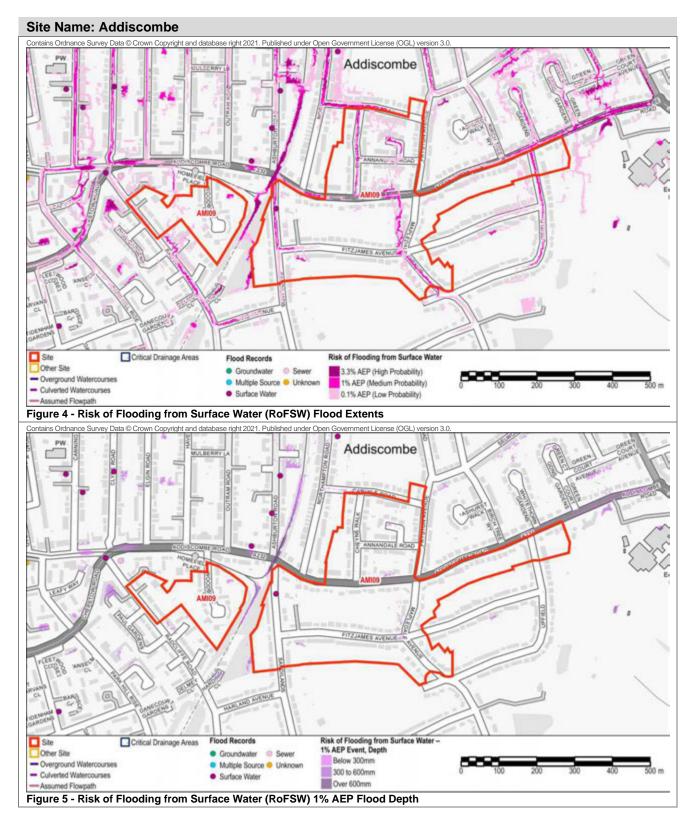


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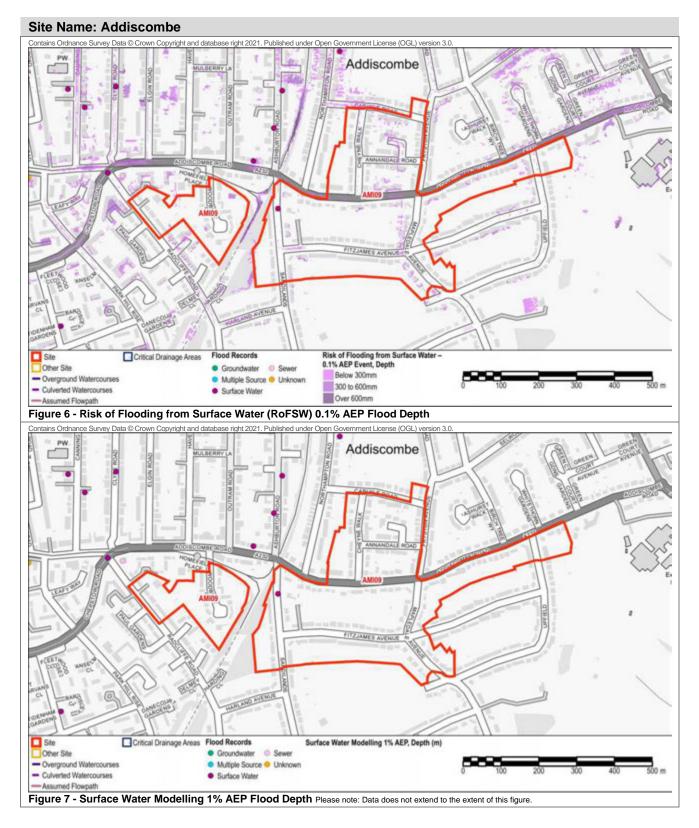


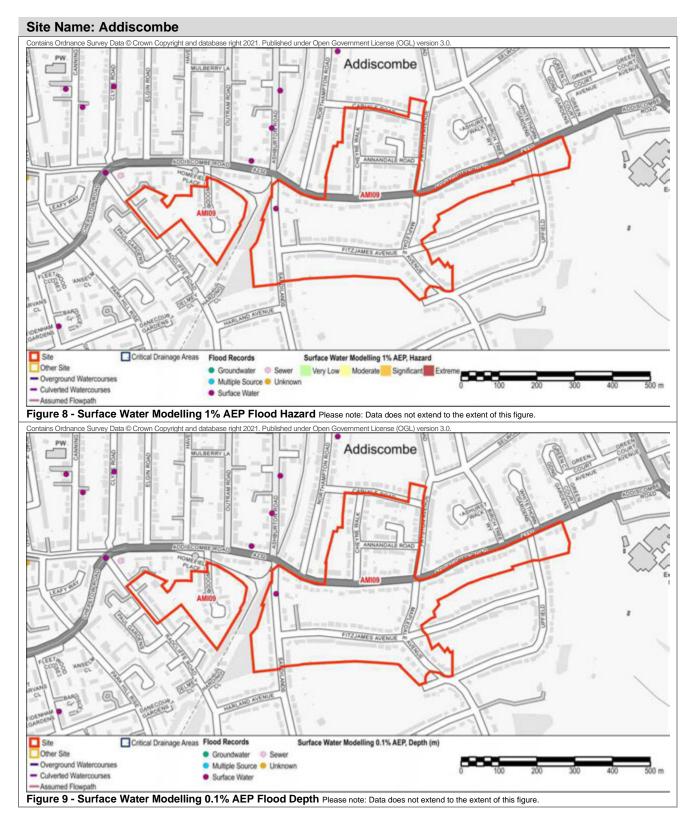
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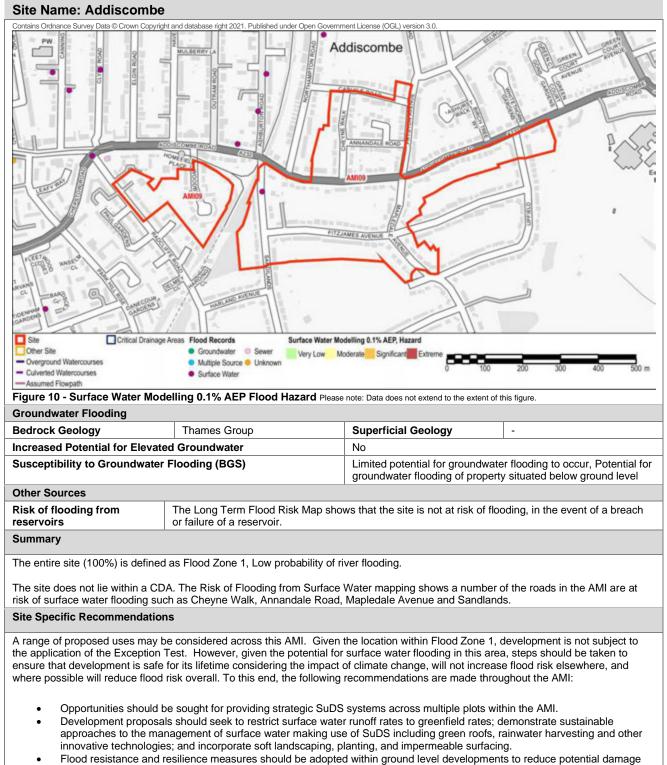




Refer to the London Borough of Croydon Level 1 and Level 2 SFRA Reports for full details and limitations of the datasets used in this site assessment.

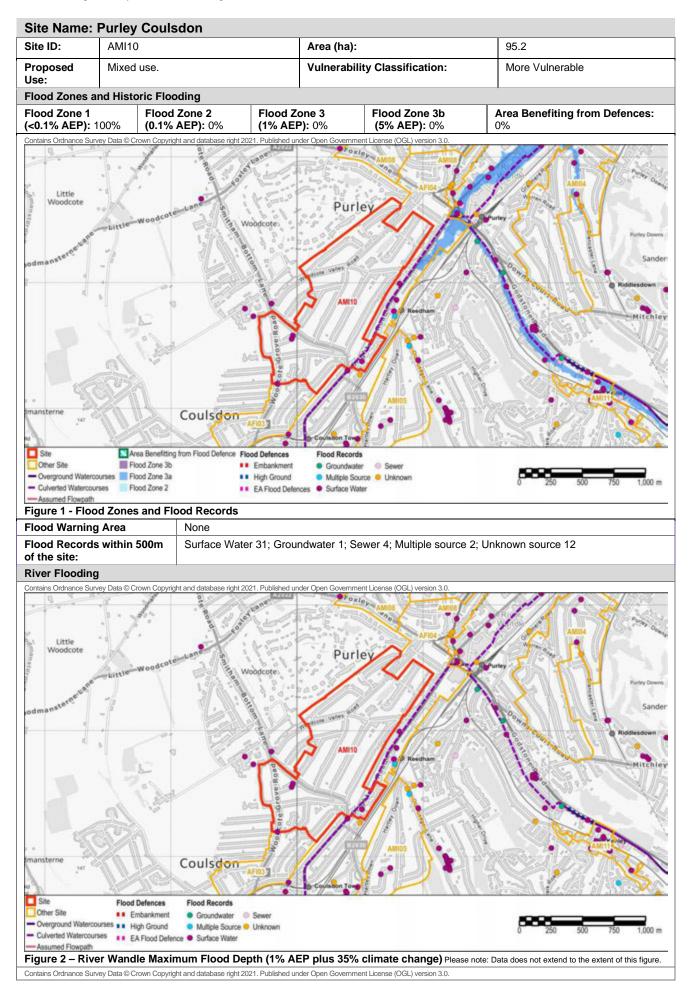




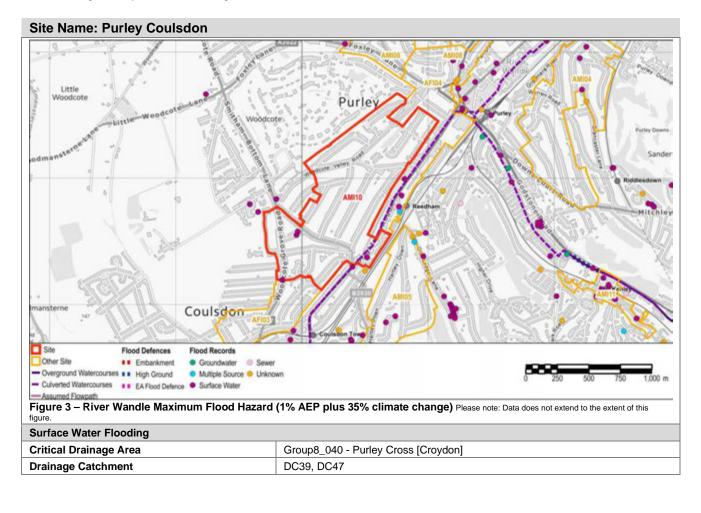


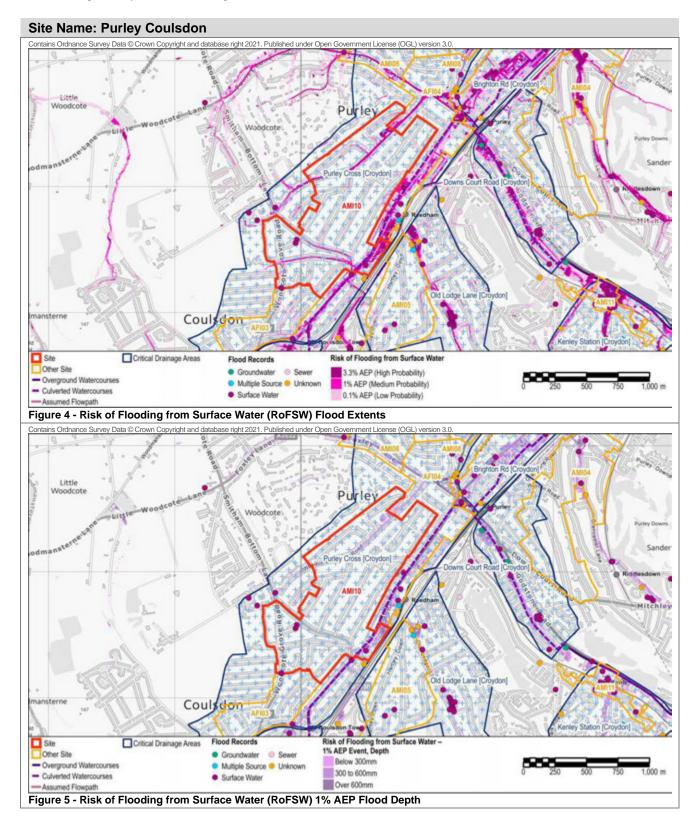
- during surface water flooding and enable rapid re-occupancy.
- The risk of groundwater flooding and groundwater levels should be further assessed as part of a Site Investigation for specific development proposals within the AMI.

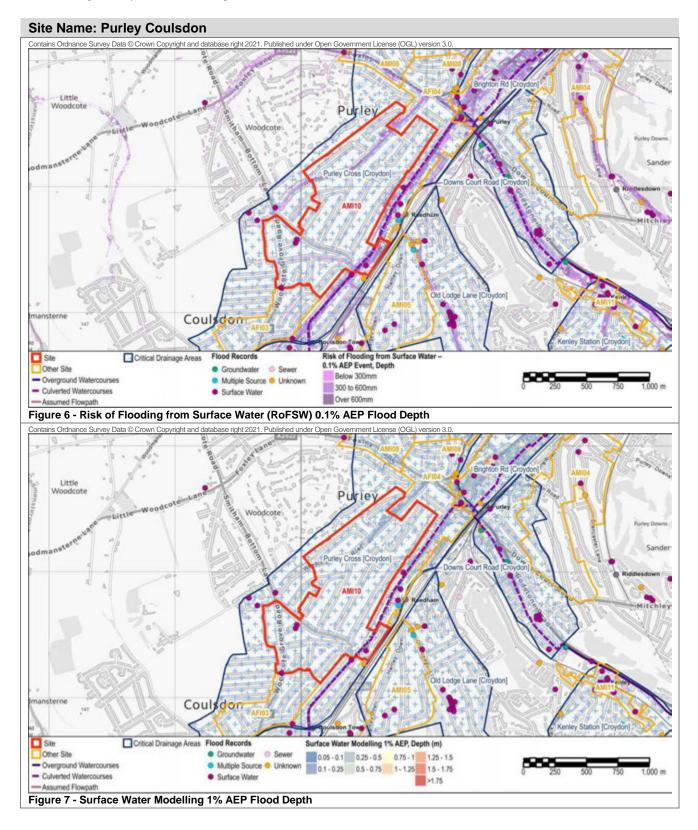
London Borough of Croydon Level 2 Strategic Flood Risk Assessment

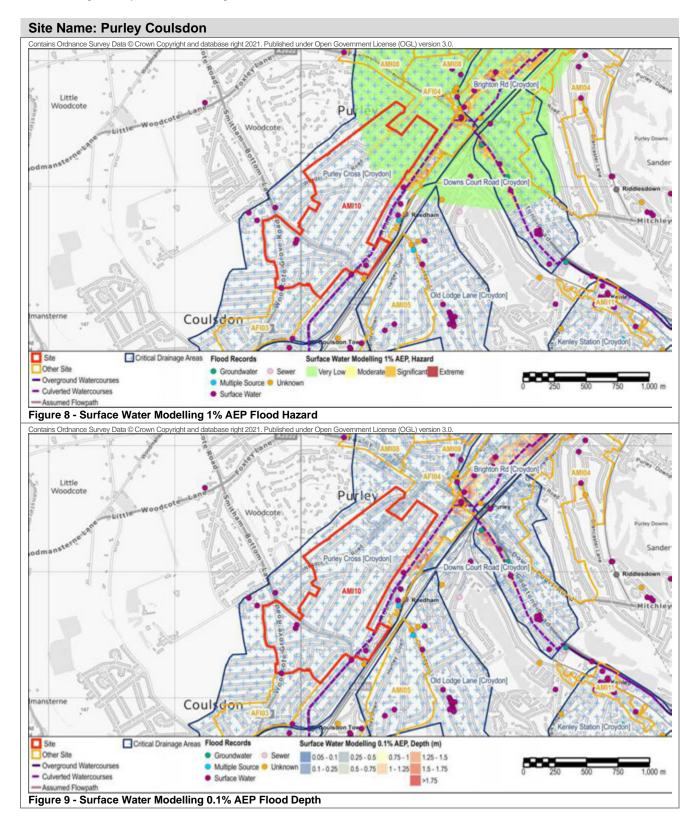


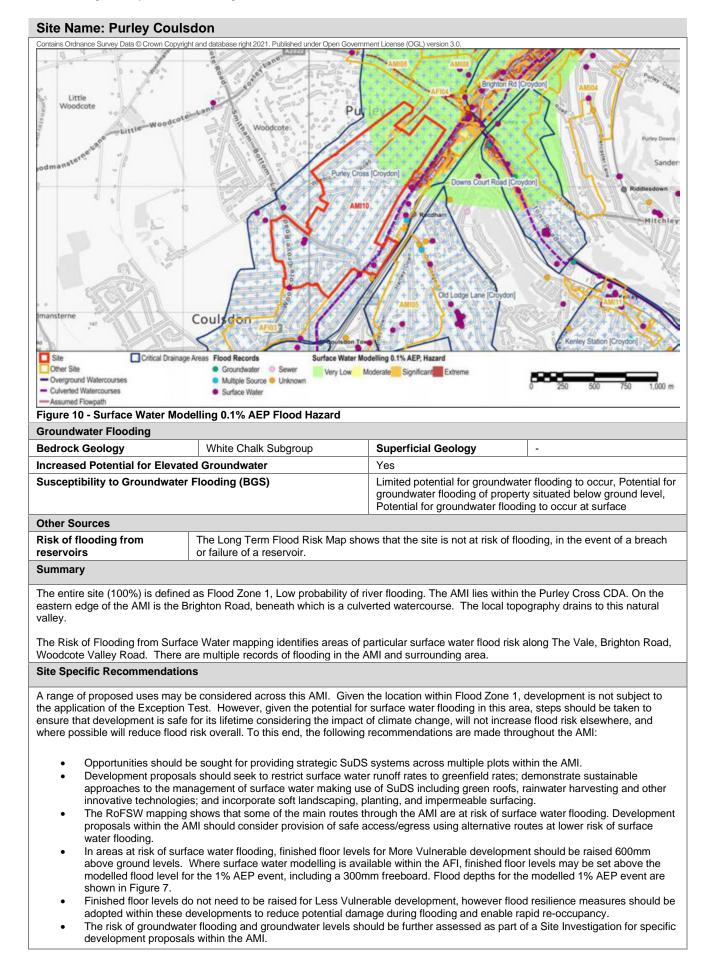
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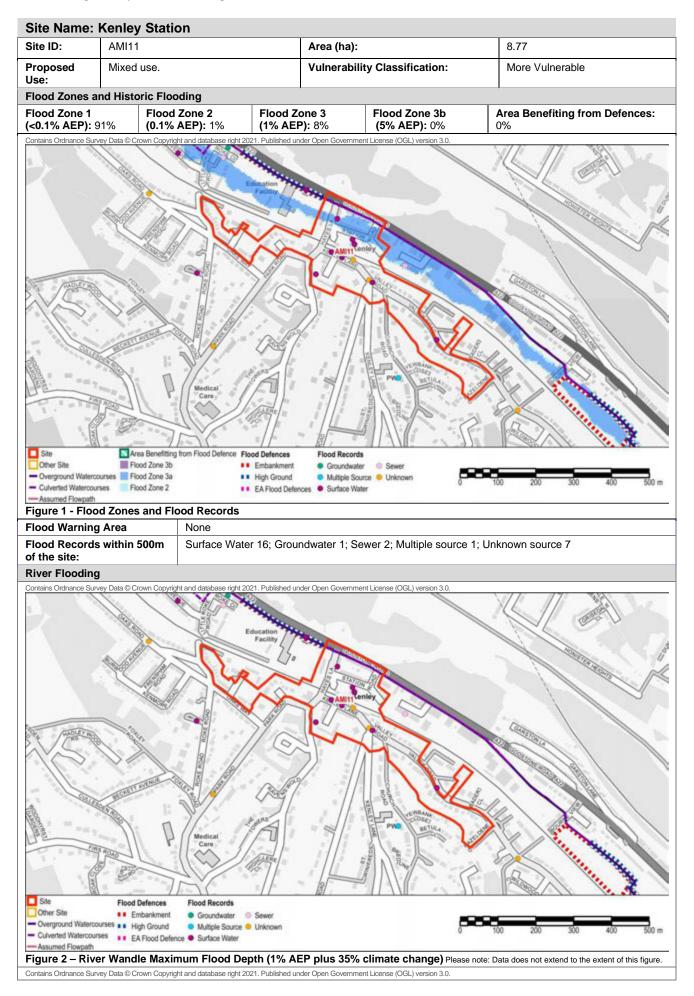




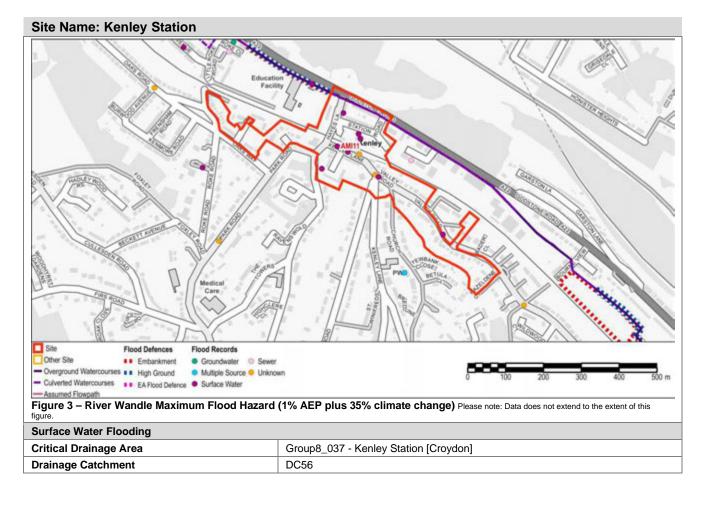


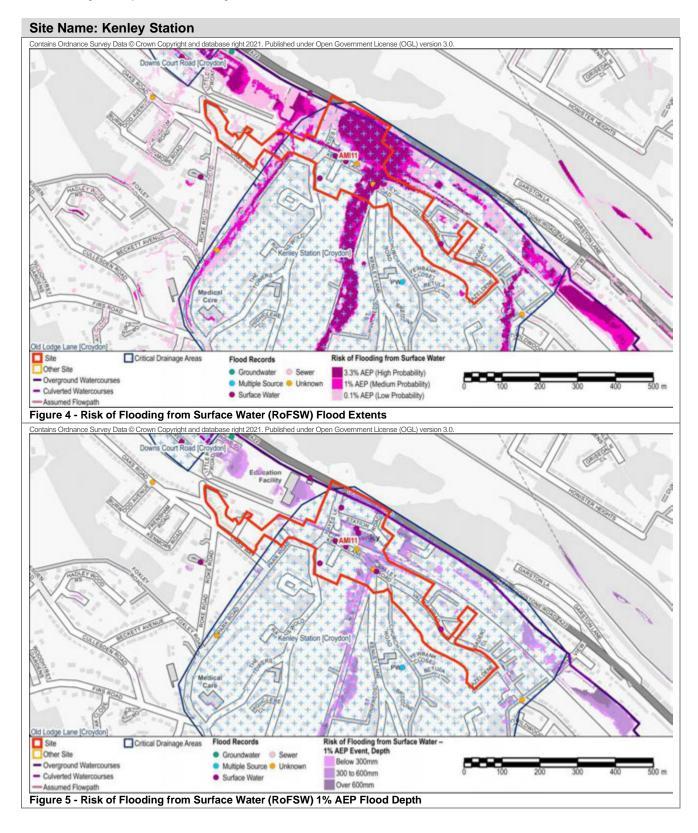


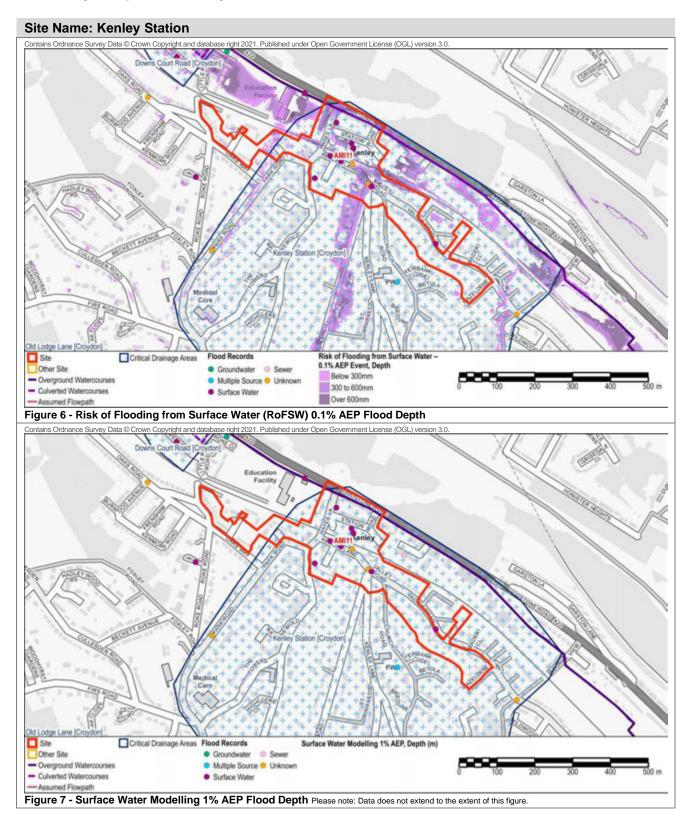




Refer to the London Borough of Croydon Level 1 and Level 2 SFRA Reports for full details and limitations of the datasets used in this site assessment.







Assumed Flowpath

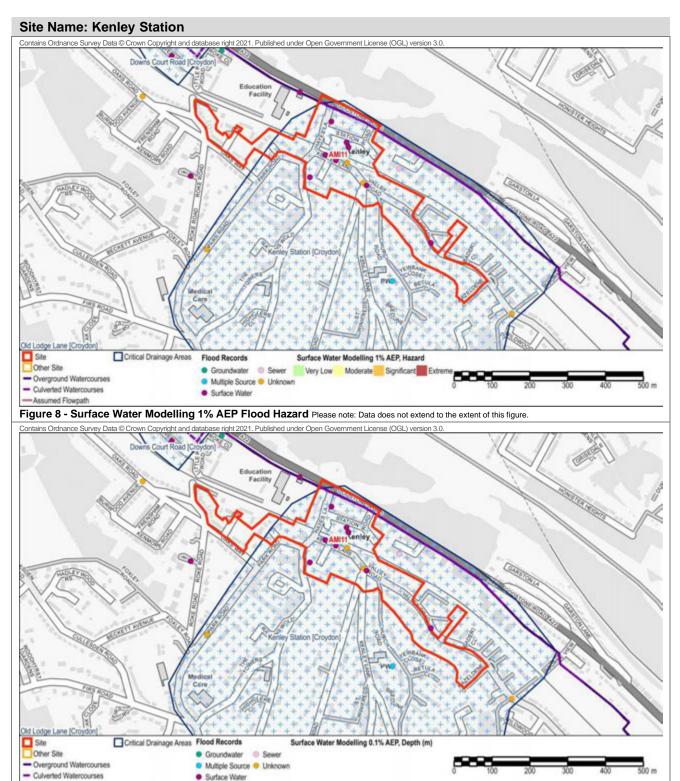


Figure 9 - Surface Water Modelling 0.1% AEP Flood Depth Please note: Data does not extend to the extent of this figure.

