Appendix A Areas of Focused Intensification

AFI3 North of Coulsdon District Centre

AFI4 Reedham station / North and West of Purley District Centre

AFI5 Brighton Road

AFI6 Forestdale

AFI7 London Road (West Croydon to Thornton Heath Pond)



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.



Site Name: North of Coulsdon District Centre AFI



Site Name: North of Coulsdon District Centre AFI



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Site Name: North of Coulsdon District Centre AFI

- 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, 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 AFI.



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Site Name: Reedham station/ North and West of Purley District Centre AFI



Site Name: Reedham station/ North and West of Purley District Centre AFI







Site Name: Reedham station/ North and West of Purley District Centre AFI



Site Name: Reedham station/ North and West of Purley District Centre AFI

- 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.
- Finished floor levels for More Vulnerable development should be raised 600mm above ground levels. Where surface water
 modelling is available within the AFI, finished floor levels may be set above the modelled flood level for the 1% AEP event,
 including a 300mm freeboard. Flood depths for the modelled 1% AEP event are shown in Figure 7.
- Finished floor levels do not need to be raised for Less Vulnerable development, however flood resilience measures should be adopted within these developments to reduce potential damage during flooding and enable rapid re-occupancy.
- Surface water modelling shows that several of the main access routes through the AFI, (Brighton Road, Foxley Lane, Woodcote Valley Road) are at risk of flooding with a Significant or Extreme hazard rating during the 1% and 0.1% AEP events. Development proposals within the AFI should consider how safe access/egress can be provided during these events. In addition, given the potential for surface water to have rapid onset, a place of safe refuge should be provided within new developments above the modelled flood level for the 0.1% AEP event (Figure 9).
- Flood warning and evacuation plans should be prepared, in accordance with the Council's wider emergency planning response.
- 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, 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 AFI.



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In areas of Flood Zone 2 and 3, finished floor levels for More Vulnerable development should be raised 600mm above ground levels. Where surface water modelling is available within the AFI, finished floor levels may be set above the modelled flood

Site Name: Brighton Road AFI

level for the 1% AEP event, including a 300mm freeboard. Flood depths for the modelled 1% AEP event are shown in Figure 7.

- Finished floor levels do not need to be raised for Less Vulnerable development, however flood resilience measures should be adopted within these developments to reduce potential damage during flooding and enable rapid re-occupancy.
- Surface water modelling shows that the main access routes for the two western parts of the AFI along Brighton Road are at risk of flooding with a Significant or Extreme hazard rating during the 1% and 0.1% AEP events. Development proposals within the AFI should consider how safe access/egress can be provided during these events. In addition, given the potential for surface water to have rapid onset, a place of safe refuge should be provided within new developments above the modelled flood level for the 0.1% AEP event (Figure 9).
- Flood warning and evacuation plans should be prepared, in accordance with the Council's wider emergency planning response.
- 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, 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 AFI.

London Borough of Croydon Level 2 Strategic Flood Risk Assessment



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.











Site Name: Forestdale AFI

- 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, 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 AFI.



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.





Site Name: London Road (West Croydon to Thornton Heath Pond) AFI





Site Name: London Road (West Croydon to Thornton Heath Pond) AFI



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