

Site details	Site Number	8			
	OS Grid reference	ST 60824 92174			
	Area	0.48 hectares			
Sources of flood risk	Existing drainage features	The site is located to the south of Oldbury on Severn off Chapel Road, south of Westmarsh Lane. The Cowhill North Rhine is located north of Westmarsh Lane. The site is located on an area of higher elevation which provides protection against fluvial and coastal flooding.			
	Fluvial		5% AEP	1% AEP	0.1% AEP
		Proportion of site at risk (%)	0	0	0
		Range of depths (m)	-	-	-
		Maximum hazard	-	-	-
	Tidal	Defended			
			5% AEP	0.5% AEP	0.1% AEP
		Proportion of site at risk (%)	0	0	0
		Range of depths (m)	-	-	-
		Maximum hazard	-	-	-
		Undefended			
			5% AEP	0.5% AEP	0.1% AEP
		Proportion of site at risk (%)	0	0	0
		Range of depths (m)	-	-	-
		Maximum hazard	Not available		
Surface Water	Proportion of site at risk (RoFfSW)				
	3.3% AEP	1% AEP	0.1% AEP		
	0	0	0		
Flood history	The site is outside of the Environment Agency's historic flood map.				

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Flood risk management infrastructure	Defences	Defence Type	Standard of Protection		Condition	
		Penstock	n/a		n/a	
		Tidal embankment	0.5% AEP		Good	
	Residual risk		Outlet failure	Oldbury Pill embankment breach	Power station embankment breach	
		Proportion at risk (%)	0	0	0	
		Range of depths (m)	-	-	-	
		Maximum hazard	-	-	-	
Emergency planning	Flood warning	The site is not covered by the Environment Agency's Flood Warning Service.				
	Access and egress	The main access and egress route to the site is south along Church Road. The higher elevation of this road means it is free of water in times of flood. Church Road north of the site would be cut off by flood water in flood events.				
Climate Change	Implications for the site		1% AEP			
			Central	High Central	Upper End	
		Proportion at risk (%)	0	0	0	
		Range of depths (m)	-	-	-	
		Maximum hazard	-	-	-	
			Tidal (defended) 0.5% AEP		Tidal (defended) 0.1% AEP	
		Proportion at risk (%)	0		0	
		Range of depths (m)	-		-	
NPPF and planning implications	Sequential Test	The Sequential Test will need to be passed.				
	Exception Test requirements	The site is outside of Flood Zones 2 and 3; therefore, the Exception Test is not required.				

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	<p>Requirements for site-specific Flood Risk Assessment</p> <p>Guidance for developers</p>	<ul style="list-style-type: none"> • At the planning application stage, a site-specific flood risk assessment will be required for any development greater than one hectare in Flood Zone 1. • Other sources of flooding should also be considered as part of a site-specific flood risk assessment • Consultation with the Local Authority and the Environment Agency should be undertaken at an early stage • New or re-development should adopt exemplar source control SuDS techniques to reduce the risk of frequent low impact flooding due to post-development runoff • Onsite attenuation schemes would need to be tested against the hydrographs of the Rhine system to ensure flows are not exacerbated downstream within the catchment • Assessment for runoff should include allowance for climate change effects • New development must seek opportunities to reduce overall level of flood risk at the site, for example by: <ul style="list-style-type: none"> ○ Reducing volume and rate of runoff ○ Relocating development to zones with lower flood risk ○ Creating space for flooding • Green infrastructure should be considered within the mitigation measures for surface water runoff from potential development and consider using Flood Zone 2 and 3 as public open space

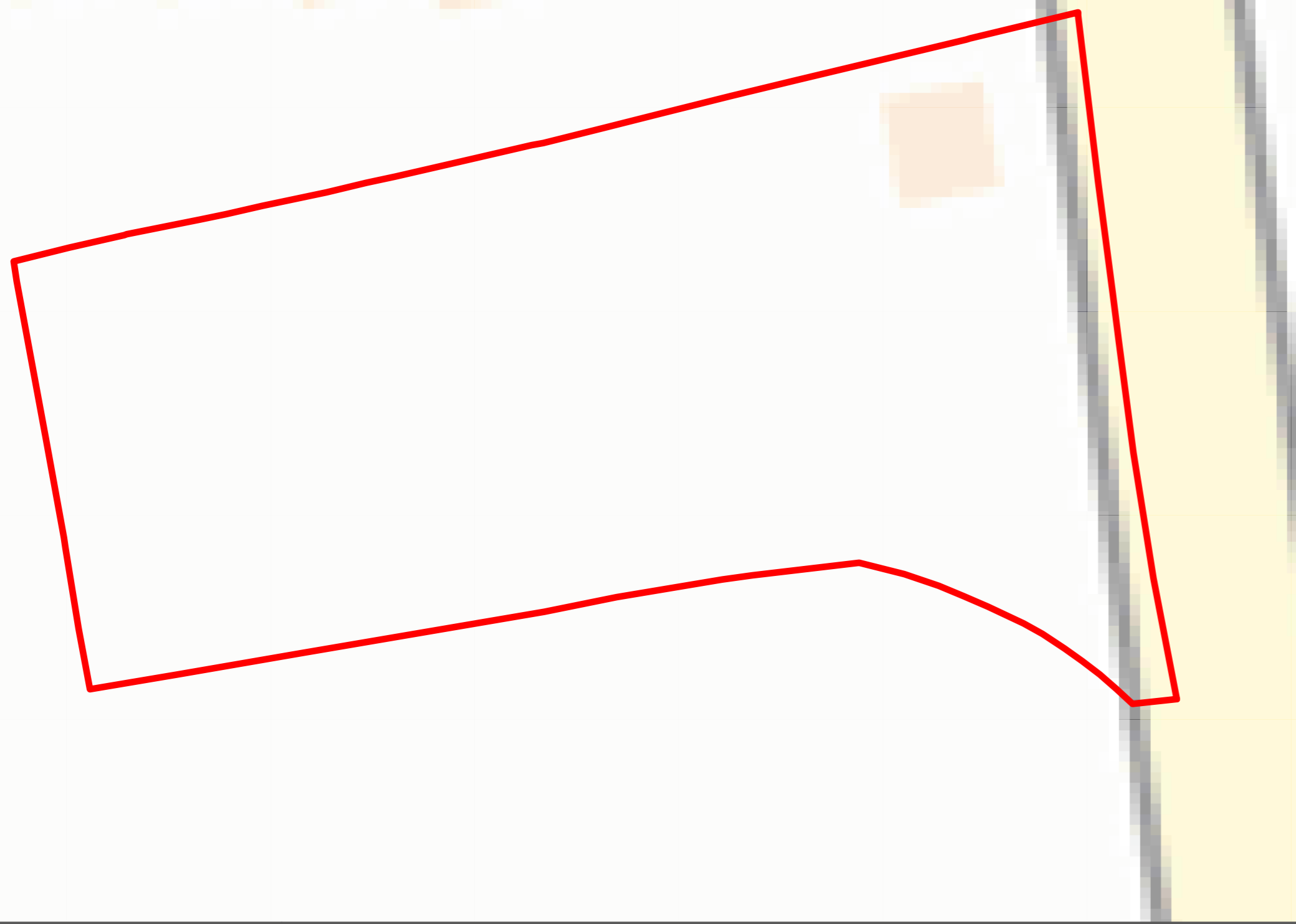


LEVEL 2 SITE SUMMARY TABLES

OLDBURY ON SEVERN LEVEL 2 STRATEGIC FLOOD RISK ASSESSMENT

LEGEND

<p>Fluvial Depth 1% AEP (Present Day)</p> <p>Depth (m)</p> <ul style="list-style-type: none"> 0 - 0.10 0.10 - 0.50 0.50 - 1.00 1.00 - 1.50 1.50 - 2.00 2.00 - 2.50 2.50 - 3.00 3.00 - 3.50 3.50 - 4.00 >4.00 	<p>Risk of Flooding from Surface Water (RoFfSW)</p> <ul style="list-style-type: none"> 3.3% AEP 1% AEP 0.1% AEP
<p>Tidal Depth 0.5% AEP (Present Day Defended)</p> <p>Depth (m)</p> <ul style="list-style-type: none"> 0 - 0.10 0.10 - 0.50 0.50 - 1.00 1.00 - 1.50 1.50 - 2.00 2.00 - 2.50 2.50 - 3.00 3.00 - 3.50 3.50 - 4.00 >4.00 	<p>Fluvial Depth 1% AEP (Present Day)</p> <p>Hazard Rating</p> <ul style="list-style-type: none"> Very low hazard - caution Danger for some Danger for most Danger for all
<p>Tidal Depth 0.1% AEP (Present Day Defended)</p> <p>Depth (m)</p> <ul style="list-style-type: none"> 0 - 0.10 0.10 - 0.50 0.50 - 1.00 1.00 - 1.50 1.50 - 2.00 2.00 - 2.50 2.50 - 3.00 3.00 - 3.50 3.50 - 4.00 >4.00 	<p>Tidal Hazard 0.5% AEP (Present Day Defended)</p> <p>Hazard Rating</p> <ul style="list-style-type: none"> Very low hazard - caution Danger for some Danger for most Danger for all
<p>Tidal Hazard 0.1% AEP (Present Day Defended)</p> <p>Hazard Rating</p> <ul style="list-style-type: none"> Very low hazard - caution Danger for some Danger for most Danger for all 	<p>Tidal Hazard 0.1% AEP (Present Day Defended)</p> <p>Hazard Rating</p> <ul style="list-style-type: none"> Very low hazard - caution Danger for some Danger for most Danger for all
<p>Residual risk scenarios (0.5% AEP)</p> <ul style="list-style-type: none"> Oldbury Pill embankment breach Outfall failure 	<ul style="list-style-type: none"> Power station embankment breach



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Authority Information

- Potential Site Location
- Rhines

Fluvial (Present Day)

- 5% AEP
- 1% AEP
- 0.1% AEP

LEGEND

Fluvial (Future 2080s)

- 1% AEP (Central)
- 1% AEP (Higher Central)
- 1% AEP (Upper End)

Tidal (Present Day)

- 0.5% AEP (defended)
- 0.5% AEP (undefended)
- 0.1% AEP (defended)
- 0.1% AEP (undefended)

Tidal (Future 2117)

- 0.5% AEP (defended)
- 0.5% AEP (undefended)
- 0.1% AEP (defended)
- 0.1% AEP (undefended)