King's Lynn and West Norfolk Borough Strategic Flood Risk Assessment Level 2 Community Level Guidance Tables			
Completed by	JBA consulting		
Date	March 2019		
Author	Freyja Scarborough		
Reviewer / Sign-off	Hannah Coogan		
Version Number	Version 2.0		

Community	Community	Wisbech Fringe (including Walsoken)			
details	Flood Risk	Highest risk flood	ing mechanism	Surface	e Water
	Summary	Most likely source	of flooding	Surface Wa	ter (minimal)
	Existing drainage features	the comi	mall areas of open munity boundary. ainage features bet ne community.		
	Fluvial	No			
	Tidal	Minor encroachment of Flood Zone 2 across the northern boundary.			
	Surface Water	Minor impact from 3.3% AEP event and greater impact with increased AEP event.			
	Residual Risk	Breach risk acros	s entire community	, from the Tidal Ner	ne.
Sources of flood risk	IDB watercourse present?	This community is entirely covered by the King's Lynn IDB, in the admi area of the Water Management Alliance (WMA). The drains influencing the community are: Cow Lane Drain (Long Lotts Drain) Simpoles Dyke Church Dyke Goodales Dyke Baxters Dyke German Dyke Red House Dyke			
	Flood history	The Environment Agency's recorded flood outline dataset, the provided Section 19 data, data of previous sewer flooding and an internet search indicate no record of flooding in this community.			
		Defence Type	Flooding Type	Standard of Protection	Condition
		Embankment (x3)	Coastal	200	3 (Fair)
		Embankment	Coastal	0	3(Fair)
		Embankment (x3)	Tidal	200	3(Fair)
		Wall	Tidal	25	4 (Poor)
Flood risk	Defences	Embankment (x3)	Coastal	150	2 (Good)
Flood risk management	Defences				
	Detences	Embankment (x3)	Tidal	150	3(Fair)
management	Deterices		Tidal Tidal	150 150	3(Fair) 2 (Good)

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Community details	Flood Risk	Highest risk flooding mecha	anism Surface Water	
	Summary	Most likely source of flooding	ng Surface Water (minimal)	
	Asset management	No EA pipeline schemes at	or near this community.	
	Capital investment policy and regeneration	No current schemes identified for this community.		
Opportunities for sustainable development	Higher level policy	This community is not explicitly mentioned in any higher-level policy documents. This area is within the Great Ouse Catchment Flood Management Plan and sub area 10, the Fens. Within this sub-area the current flood risk is appropriately managed. However, the risk is expected to significantly rise in the future with impacts from climate change. This area is designated as low-lying fenland in the hinterland of the Wash Shoreline Management Plan (SMP) 2 is protected by defences along the wash coastline and is therefore relevant to the SMP. The policy within this area (PDZ1) is to maintain the current defences into the future, considering an 'envelope of potential developments' for all future scenarios. CFMP/ SMP policies set the high level and strategic direction for flood risk and coastal change management. There is no guarantee that funding will be available from national, regional or local sources to implement the policy. More detailed strategy and scheme work considers funding needs and availability at a community level.		
Flood warning		The community is in the 'East of Wisbech along the A47 to Terrington St. John and surrounding areas' Flood Warning Area and the 'Tidal River from Denver to south of King's Lynn' Flood Alert Area provided by the Environment Agency.		
Emergency planning	Access and egress	 Access and egress possible in the 5% AEP fluvial and tidal events. Access and egress possible out of the community above the 5% AEP fluvial and tidal events but may be limited outside of the local area. Some localised issued with access and egress in the 1% AEP event with larger impact in the 0.1% AEP event. 		
Climate Change	Implications for the community	 Additional encroachment covering the whole community in tidal climate change scenarios. There is a small increase in the impact of surface water when taking into account the future effects of climate change. 		
Requirements for drainage	Broad scale assessment of	Bedrock Geology	Mudstone Clay and silt	
ioi diamage	accoconioni on	Superficial Geology	I Clay and silt	

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Gotano	Summary	Most likely source of flooding		Surface Water (minimal)	
impact mitigation		Groundwater Source Protection Zone	No		
•		Historic Landfill Site	No		
	available for this considerable for this considerable for this considerable for the cases sment is limit determined by on-section of the community. Source control the community. Infiltration technique the site not at high the site not at high petention features <5% at the locating groundwater issue. Filtration systems are <5% and the digroundwater issue. All forms of convey.				
NPPF and planning implications	Existing Local Considerations	 The Borough Council's Local Plan highlights that the growth of Wisbech is constrained, so opportunities for growth have moved to communities adjacent to the town – Wisbech Fringe, including Walsoken. The Core Strategy has proposed a minimum of 550 houses are built in this area. The land allocated for this development is adjacent to Walsoken. Only a small portion of the community falls in Flood Zone 2 or 3. Communication needs to be undertaken with Fenland District Council owing to their allocation for 3000 homes planned in the Wisbech Fringe Area. The Wisbech Level 2 SFRA produced for Fenland District Council, 2012 offers flood risk advice for this area under Sub Area E – Central. 			

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uetalis	Summary	Most likely source of flooding	Surface Water (minimal)		
	Requirements and guidance for site-specific Flood Risk Assessment	 Early consultation with WMA is strongly recommended in this area. Safe access and egress will need to be demonstrated taking into account the additional impact of climate change and prepare a flood evacuation plan for the site. Consideration of access and egress out of the local area should be given. A Flood Risk Assessment (FRA) should suggest appropriate mitigation (flood resilience measures). Consider the impact of a tidal or fluvial breach by sequentially placing the highest vulnerability part of the development in the areas of lowest flood risk, applying the Councils Flood Risk Design Guidance and creating a site-specific emergency plan for flood events. Detailed hydraulic modelling will need to consider any drains within and surrounding the community that are likely to affect the site to assess fluvial flood risk in the community (including IDB drains). Hydraulic modelling should also seek to understand the impact of residual risk from culvert blockage to any proposed site from structures along these watercourses. The FRA should address all forms of flood risk (tidal flooding, fluvial, pluvial and groundwater). Investigate the impacts of climate change from all flooding sources on the site. 			
			uvial Surface Water		
Conclusions and recommendations		 0.1% AEP and Breach Majority of the community in Flood Zone 1. No historical records of flooding. The Core Strategy has proposed a minimum of 550 houses are built in this area. The land allocated for this development is adjacent to Walsoken. The community is mostly within an area benefiting from flood defences. Consider contributions to the defences protecting the community. Consideration of the additional impacts of climate change Consideration of safe access and egress. Early consultation with WMA is strongly recommended in this area. 			
Mapping Information					

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uctans	Summary	Most likely source of flooding	Surface Water (minimal)	
Flood Zones		 Flood Zones 3 containing flux Flood Zone 3a is comprised outlines from the tidal Wash, Agency Flood Zones 3 contains Flood Zone 2 is comprised of 	d of Environment Agency supplied 2018 model and from Environment ining fluvial model outlines. f Environment Agency supplied 2018 model and from Environment	