

Appendix D – Key Settlements risk

Table 1 Summary of present-day flood risk to major settlements in the SDNP

Settlement	Fluvial/tidal/coastal flood risk	Surface water flood risk	Predicted groundwater levels across the settlement according to JBA Groundwater Flood Map (note that predicted groundwater levels may vary across the settlement so more than one level category could be ticked)					Reservoir inundation
			Negligible risk	5m below surface	0.5m to 5m below surface	0.025m to 0.5m below surface	Within 0.025m of surface	
Bury	Bury is situated to the west of River Arun. The settlements located on the eastern side of the village are in Flood Zones 2, 3 and 3b.	The areas most at risk of surface water flooding include Church Lane, Houghton Lane, Bury Hill. Areas of significant ponding are present to the east of the village within the floodplain of the River Arun.	X		X	X		Very low risk of reservoir flooding.

Easebourne	Easebourne is situated to the north of the River Rother. A proportion of the village is situated in Flood Zone 2 of the River Rother.	Surface Water flowpaths are present within the village including along the A272 Easebourne Lane, Dodsley Lane and Dodsley Grove as well as residential areas within the village.	X		X	X	X	Very low risk of reservoir flooding.
Kingston near Lewes	The village of Kingston near Lewes is located in Flood Zone 1 of the Flood Map for Planning.	Several surface water flow paths flow through the village which flow into a watercourse to the east of the village.	X		X			Very low risk of reservoir flooding.
Lewes	The River Ouse and the Winterbourne Stream flow through the centre of Lewes. A large	Surface water flooding is predominantly localised with larger flow paths and	X		X	X	X	Areas in the east of Lewes are at risk of flooding during the

	area of the town is located within Flood Zones 2, 3 and 3b.	ponding present in Wallands Park and Cliffe as well as along the path of the Winterbourne Stream.						wet day and dry day reservoir breach extents.
Midhurst	An unnamed tributary of the River Rother flows through the south of Midhurst. A small area of Midhurst is located in Flood Zones 2 and 3 associated with this watercourse.	Several large flowpaths and areas of ponding are present within Midhurst. Significant areas of ponding are predominantly located in green spaces with smaller areas of ponding present around Ashfield Road, Bepton Road and Petersfield Road.	X		X	X	X	Very low risk of reservoir flooding.

Petersfield	Two tributaries of the River Rother flow through Petersfield, the Tilmore Brook and an unnamed tributary which flows through the south of Petersfield. Small areas along the path of these watercourses are located in Flood Zones 2, 3 and 3b.	Surface water flooding is predominantly associated with the floodplains of ordinary watercourses and drains. Other areas of surface water flooding around Petersfield are localised small flow paths and ponding.	X			X	X	Very low risk of reservoir flooding.
Petworth	The village of Petworth near Lewes is located in Flood Zone 1 of the Flood Map for Planning.	Surface water flow paths are present along several roads in Petworth including Station Road and Dawtrey Road as well as Petworth Car Park.	X	X	X	X		Very low risk of reservoir flooding.