

6b Climate Change Risk Assessment (based on the Anglian River Basin District) for Lockes & Blackhall Farm

Potential changing climate variable	A Impact	B Likelihood	C Severity	D Risk (B x C)	E Mitigation (what you'll do to mitigate this risk)	F Likelihood (after mitigation)	G Severity (after mitigation)	H Residual risk (F x G)
1. Summer daily maximum temperature may be around 7°C higher compared to average summer temperatures now.	Sheds are naturally ventilated. Pigs may experience heat stress. RSPCA Assured recommend temperature is kept between 15°C and 18°C.	3	2	6	Keep a log of any hot days which occur each year. Keep a log of temperature in pig sheds. Ensure extra space is provided per pig, to allow pigs to lie away from each other. Ensure all vents/windows are open to allow airflow.	3	1	3
2. Winter daily maximum temperature could be 4°C more than the current average.	No negative impact expected.	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3. The biggest rainfall events are up to 20% more intense than current extremes (peak rainfall intensity)*.	a) Surface water drainage system overloaded. Dirty water lagoon overloaded b) Wash out of fines into water course	a) 2 b) 2	a) 3 b) 2	a) 6 b) 4	a) Drains and lagoon managed. Consider surface falls at design stage.	a) 2	a) 2	a) 6

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4. Average winter rainfall may increase by 35% on today's averages.	Surface water drainage system overloaded. However both sites are at very low risk of surface water flooding	3	2	6	Increase surface water storage capacity.	2	2	4
5. Sea level could be as much as 0.6m higher compared to today's level.	Both sites are currently at very low risk of flooding as a result of river or sea.	3	1	3				
6. Drier summers, potentially up to 39% less rain than now.	Increased dust – less water to suppress.	4	1	4				
7. The flow in the watercourses could be 35% more than now at its peak, and 80% less than now at its lowest.	At low flow increased stress on the river at discharge point. But both sites are at very low risk of flooding due to rivers.	3	1	3				