

## Northern Gulf NRM Plan (2016-2021) - Climate change risk assessment REGIONAL DRIVERS

Work shopped by Northern Gulf Resource Management Group Board of Directors, John Bethel, Sarah Hoyal, Janet Busch and Joe Lockyer, and Chief Executive Officer Neill Newton, Facilitated by Bob Speirs, on the 1 May 2014.

Key				
Probability (P)	UC- Uncertain	P- Possible	L- Likely	Almost Certain- A.C
Consequences (C)	UK- Unknown	L- Low	Mod- Moderate	M- Major
Risk rating (R)	L- Low	Mod- Moderate	H- High	Cr-Critical

Climate Hazard	Enterprise	Community	Natural
Change in Climate (temp/ rainfall)	Grazing management requirements (management changing) carrying capacity. PCR - LMCr	Water supply decline PCR - LMCr	Species decline (abundance) PCR - LMH
	Fish stocks decline PCR - PModMod	Health / heat stress PCR - LMH	Water quantity and quality PCR - LMCr
	Irrigation water decline PCR- LMH	Population Decline PCR - UCMoMod	Vegetation Stress PCR - PMMod
Extreme fire events (fire, flood, draught)	More damage from fire PCR - PMH	Stress/Anxiety PCR - LMH	Species population decline PCR - LMH
	More damage from floods PCR - LModMod	Financial Stress PCR - ACMCr	Ecosystems Transformation PCR - P/LMH
	Loss of productivity/ profit PCR - LMCr		Species. Opportunity PCR - PModMod
Sea level rise	Recreational Tourism Decline PCR - UCLL	Loss of Property PCR - LMH	Ecosystem Transformation PCR - ACMoH
			Salination/ Salt water incursion (groundwater/surface) PCR - ACMoH
Ecosystem services	Greater cost of Control PCR - LModMod	Greater cost of Control PCR - LModMod	Greater competition/ Stress PCR - PModH
	Decline of Productivity PCR - LModMod	Decline of Productivity PCR - LModMod	Vegetation Thickening PCR - PModH