Table S1. Risk factors, categories, sources, and spatial data and sources used.

Transport Pathway	Risk Factor	Source	Spatial Data Used	Source
Rainfall-Runoff of MPs	High clay soils %	[45]	Mean clay % 0-200cm	[46]
	High average annual rainfall	[31,47,48]	Average annual rainfall, Australia 1991-2020	[41]
	Proximity to nearby waterway	-	Land use data (for centroids of each parcel); Named waterway strings	[40]
Soil Retention of MPs	Arid climate	[29,30, 48]	Aridity index	[50]
	Horticultural land use	[48, 52, 53]	Land use parcel polygons: horticultural agriculture	[40]
	High ionic strength soils	[54, 55, 56]	Salinity index	[58]
Groundwater pollution	Low ionic strength soils	^ Assumed inverse behaviour of above.		
	High sandy soils %	[20, 45, 59, 60, 61]	Mean sand % 0-200cm	[46]
	Low lying groundwater levels	[45]	Groundwater bore data	[63]