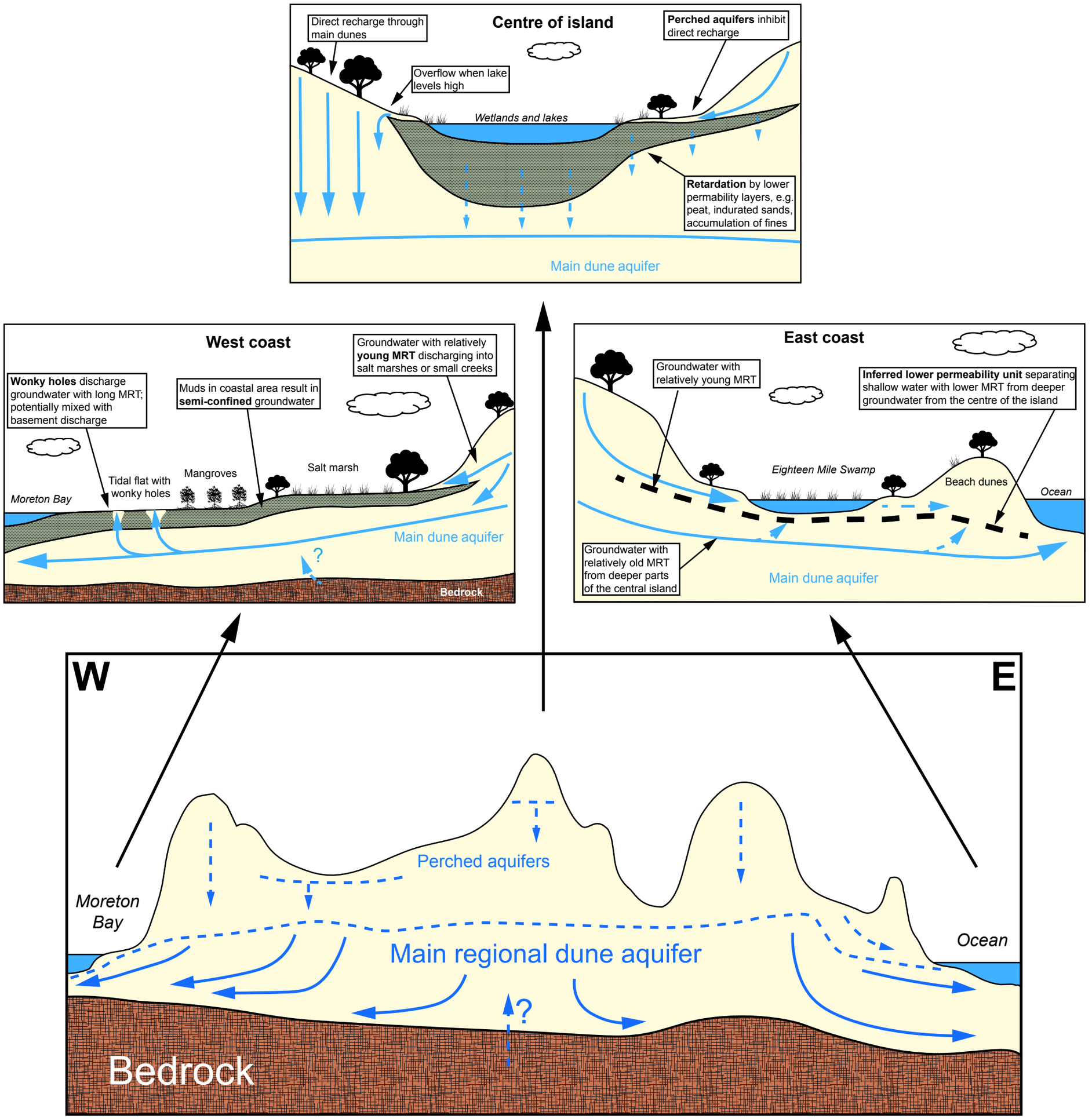
Centre of island
Direct recharge through main dunes
Overflow when lake levels high
Wetlands and lakes
Perched aquifers inhibit direct recharge
Retardation by lower permability layers, e.g. peat, indurated sands, accumulation of fines
Main dune aquifer
West coast
Wonky holes discharge groundwater with long MRT; potentially mixed with basement discharge
Muds in coastal area result in semi-confined groundwater
Groundwater with relatively young MRT discharging into salt marshes or small creeks
Tidal flat with wonky holes
Mangroves
Salt marsh
Moreton Bay
Main dune aquifer
?
Bedrock
East coast
Groundwater with relatively young MRT
Inferred lower permeability unit separating shallow water with lower MRT from deeper groundwater from the centre of the island
Eighteen Mile Swamp
Beach dunes
Ocean
Groundwater with relatively old MRT from deeper parts of the central island
Main dune aquifer
W
E
Perched aquifers
Moreton Bay
Main regional dune aquifer
Ocean
?
Bedrock