



Reduced flows from upstream dams will reduce lateral and longitudinal connectivity impacting opportunities for critical fish movements

Many locations are phosphorus limited and at risk of eutrophication if bioavailable phosphorus levels increase from agricultural runoff

Proposed Palmer River Dam

Hypothetical dam locations used in project modelling

Impoundments are ideal tilapia habitat and the species has recently been found in the upper Walsh catchment



Mitchell Falls is a natural barrier preventing upstream migration

Reduced flows from dams reduce floodplain inundation extent and therefore the amount of algae produced on the floodplain that ultimately supports fish biomass

Abundances of the species associated with particular substrates are likely to change with substrate changes due to water resource developments that alter sediment transport processes.



Sooty grunter



Spangled perch



Bony bream



Barred grunter