

**Full name:** Samuel Amini

**Postcode:** 0820

**Submission content:**

The ARROWS project appears to be a rebranded MDB like attempt at water hungry agriculture and industry. For many Territorians, it does not reflect an interest in supporting our way of life and instead prioritises short term gains (if any). There are several environmental concerns to do with this project including: - Environmental damage to the site where water will be stored - e.g., inundation of old growth vegetation. - Stored water will undergo high rates of evaporation. - Water loss via infiltration has not been accounted for in modelling and may predispose this project to excessive river pumping (exacerbating environmental damages). - Saltwater intrusion - 'harvesting' of freshwater flows will reduce freshwater runoff, causing saltwater intrusion further upstream and earlier in the dry season. - Reduced availability of water in wetland ecosystems which are reliant on seasonal flooding. - Reduced connectivity between highly productive floodplains, wetlands, and the river. - Loss of nutrient transfer between floodplains and estuary, causing reduced productivity and therefore reduced growth and survival of coastal species, including highly valuable commercial species such as prawns, and mud crabs. - Loss of ability for euryhaline species to migrate, including largemouth sawfish (*Pristis pristis*) which rely on large wet season pulses and floodplain inundation. - No clear plans on how the AROWs will mitigate impacts on EPBC listed threatened species, including sawfish, the Northern River Shark (*Glyphis garricki*) and Speartooth Shark (*G. glyphis*). - Mortality of fish in pump infrastructure. - Furthermore, the NT Governments inability and unwillingness to answer questions like, how will the AROWs project account for variability between wet seasons? Timeline indicates early works and pre-construction will begin before the Environmental Impact Statement (EIS) is due to be complete.