COMMUNITY PROJECT



Background

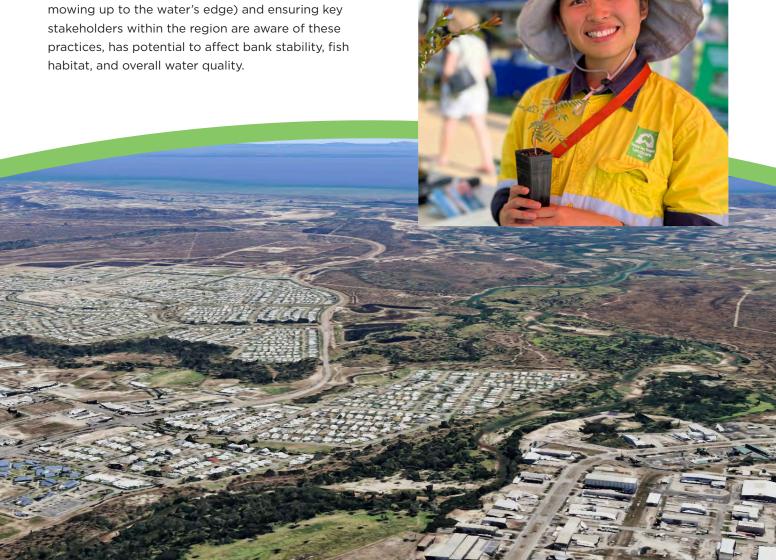
Riparian zones are the buffering environment between the land and neighbouring waterways. Stable riparian vegetation captures nutrient and sediment runoff from nearby urban areas, capturing it as it flows towards the water's edge. As urban development alongside waterways increases in Townsville, the riparian zone is at risk of vegetation removal, improper management techniques, and invasive weed establishment.

The Townsville region is a rapidly growing community. Identifying current best management practices for riparian zone maintenance (e.g., not



KEY ACTIONS on project roadmap

- ✓ Develop realistic, achievable targets and demonstrate the identified best
- Revegetation project planned and delivered
- ✓ Monitor waterway sites where best





Outcomes

- Reduction in soil runoff and erosion on urban waterways
- Increased native vegetation in riparian zone
- Improved overall water quality in urban waterways
- Fish habitat restored
- Increase in the carbon storage capacity of Townsville's urban environment

Potential partners for project delivery

OzFish Unlimited, Townsville City Council (TCC), Ausfield Services, Coastal Dry Tropics Landcare Incorporated (CDTLI), NQ Dry Tropics (NQDT), Port of Townsville Limited (PoTL).

Riparian health

Community values directly protected

- Mangroves



Outcomes **Ultimate** Monitoring reviewed and status updated. Outcomes Strategy -– Values – Adjustments made to program Air quality Manage and Current riparian Key stakeholders Develop best Key stakeholders Soil runoff and engaged and maintain practices for know what erosion on urban urban riparian behaviour change waterways is is needed vegetation practices are reduced **Identify** possible Case studies stakeholders of urban water Community Increased native Riparian zone Site visits for (Council, riparian management workshop on urban vegetation in assessment zone users, fishers, for riparian zone riparian zone riparian zone neighbouring health of vegetation, management Freshwater vegetation residents) management practices and Develop realistic Materials Water quality **Identify priority** water quality and achievable developed and improved locations for fish targets ongoing support (objectives habitat restoration for stakeholders are met) Evaluation of current practices Effective **Community Survey:** demonstration of **Identify current** 'best practices' Fish habitat Identify attitudes and restored (success current riparian practices measured through rehabilitation fish monitoring) projects to **Beaches** Community determine where Activity: practices can Identify fish change Seagrass Carbon storage diversity and meadows capacity of density environment increased Coral Implement **Project monitoring:** Effective Marine animals projects to achieve land area communication adopts erosion targets where practices of projects and control and soil are adopted. outcomes; targets Marine water rehabilitation achieved success, water quality measures











