

7 Implementation Plan

The works proposed throughout the SPRSEMP study area are primarily intended to address existing river bank erosion trends and to protect Council assets and local values. Table 7-1 presents a summary of the proposed management options, along with their priority for implementation. While this study has focussed on Council assets, assets belonging to other parties have also been discussed. As such, the responsible party for implementation is also included in Table 7-1.

The recommended management options are based on current conditions. However, the South Pine River is a dynamic system. In time, these recommendations may no longer be suitable. Therefore, recourse should be taken to the overarching management strategy presented in Section 2. This overarching strategy is also presented as a 'snapshot' under current catchment conditions, but the underlying philosophy is intended to facilitate an evolving strategy to account for the changing environment.

The priority ranking is based on the consequence and imminence of the threat, whereby:

- A high priority corresponds with an immediate threat to a high value asset, and implementation of this recommendation should commence in the next one to two years;
- A medium priority corresponds with either a lower value asset or less immediate threat and implementation of this recommendation should be within the next three to five years (or sooner if bank erosion rates increase); and/or
- A low priority corresponds with no immediate action required by Council, and implementation could be undertaken through ongoing maintenance and monitoring as required.

Cost has not been considered in the priority ranking. For this study area it is considered more applicable to highlight the more immediate threats with high consequence. Nevertheless, if budgets allocations facilitate an expedited action on a lower cost lower priority recommendation, it is considered prudent to do so.

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Table 7-1 Priority Ranking of Proposed Management Actions

River Reach	Promoted Management Action	Assets/Values Under Threat	Cost Estimate	Priority	Responsibility	Approvals	Timescales	Further Notes
Pine Rivers Park – Park	Soft engineered erosion protection	Park infrastructure	\$300k to \$1.2 million	High	Moreton Bay Regional Council	Prescribed tidal works Owners consent	1-2 years	
Pine Rivers Park – Transmission Tower	Rock filled gabion retaining wall	Transmission tower	\$200k	Medium	Energex	Prescribed tidal works Owners consent	3-5 years	River bank is 10m from the Hard Erosion Protection Zone.
Pitonga Way	Soft engineered erosion protection	Linear park and pathway; Private property	\$150k to \$600k	Medium	Moreton Bay Regional Council	None	N/A	Erosion protection may be installed for future development or by owners of adjacent private dwellings to protect the Strathpine Village residential development.
Normanby Way	Monitor and maintain	Linear park and pathway	Low	Low	Moreton Bay Regional Council	None	Ongoing	Maintain existing erosion protection.
Bob Bell Park	Monitor and mangrove rehabilitation	Park infrastructure (road)	\$120k	Medium	Moreton Bay Regional Council	Owners consent ¹	3-5 years	Small pocket of bare bank would benefit from mangrove rehabilitation
Learmonth Street	Maintain	Private dwellings	N/A	N/A	Private owners	None	Ongoing	Existing private erosion protection
Learmonth Street Transmission Tower	Rock filled gabion retaining wall	Transmission tower	\$270k	High	Energex	Prescribed tidal works Owners consent	1-2 years	River bank is within the Hard Erosion Protection Zone
Other Areas				Defer to overarching management strategy				

¹ This assumes that the mangrove rehabilitation works will be 'minor works' for the purposes of the *Fisheries Act 1994*