

Appendix 5-B Cost of Mitigation





Key Avoidance/Mitigation /Enhancement Measures	Cost
Pre-disturbance surveys for Red Goshawk and Masked Owl nesting activity*	<ul style="list-style-type: none"> Several hundred thousand dollars per annum for surveys Potential remobilisation costs for mine equipment if mining delayed while nesting completed
Fire and weed management programs*	<ul style="list-style-type: none"> Up to one million dollars in capital for equipment (including vehicle washdown facilities) Approximately half a million dollars per annum for control programs and monitoring
Environmental buffer system*	<ul style="list-style-type: none"> Several hundred thousand dollars per annum for field surveys to define buffer boundaries \$35-50M (USD) foregone due to sterilisation of bauxite within buffers
Relocation and propagation of threatened orchid species	Less than one hundred thousand dollars
Avoid constructing a second dam on the Ward River	Lower water supply reliability may result in lost production in dry years
Additional lighting control measures (Port and near-shore)	Up to several hundred thousand dollars
Marine construction measures: <ul style="list-style-type: none"> marine fauna observers (dredging and pile driving activities) dredge monitoring (water quality, benthic habitats) 	Up to two million dollars
Feral pig control program (to reduce marine turtle nest predation)*	Several hundred thousand dollars per annum
Turtle nest and hatchling behaviour surveys*	Several hundred thousand dollars per annum
Beach access permit system during construction	Approximately ten thousand dollars
Progressive mine rehabilitation	Approximately \$7.7 million per annum (annual average based on all mined areas rehabilitated over 40 years)

*part of Land and Sea Management Programme (refer to Section 17.4.8.1)

