

APPENDIX D: Costing Sheet

COSTING SHEET FOR ENVIRONMENTAL SECURITIES

This costing sheet is provided for convenience to assist QEPs in ensuring that all tasks are identified and costed out. Where an item is not required please indicate 'n/a' along with a description of why that's the case. Please fill in details in the 'details/ calculated variable' column in order to simplify COA staff review of the environmental security cost estimate.

For an electronic copy of the sheet, please contact an Environmental Coordinator.

Task	Details / Calculated Variable	Cost per Unit	Number of Units	Est. Cost	Est. Cost plus 10%
PHYSICAL WORK					
Site Preparation					
invasive plant removal	N/A - no invasive plants <u>OR</u> x hrs @ \$x /hour				
topsoil	N/A - good top soil on site, no excavation required <u>OR</u> x m ³ (based on x m ² area by x mm average depth)				
excavator and operator	N/A - no excavator work necessary <u>OR</u> x hrs @ \$x /hour				
other	indicate variable				
Subtotal Site Preparation					
Hardscaping Materials					
temporary fencing	based on x m of fencing				
permanent fencing	based on x m of fencing				
signage	based on x signs				
pest barriers	\$x / vole protector <u>OR</u> \$x / beaver guard				
mulch	x m ³ (based on x m ² area by x average depth)				
habitat complexing (CWD, LWD)	average \$x / piece by x pieces <u>OR</u> \$x / x m ² area				
wildlife passage (indicate type and length)	\$x / m by x m				
wildlife passage inlet/outlet and interior structures	average \$x / piece by x pieces <u>OR</u> \$x / x m ² area				
rock material (indicate what it is for)	xxx m ³ of rock delivered				
spawning gravel	xxx m ³ of spawning gravel delivered				
other	indicate variable				
Subtotal Hardscaping Materials					

COSTING SHEET FOR ENVIRONMENTAL SECURITIES *continued*

Hardscaping Installation					
fencing and signage installation	x hrs @ \$x /hour				
mulch installation	x hrs @ \$x /hour				
installation of habitat complexing (CWD, LWD)	x hrs @ \$x /hour				
installation of wildlife passage, including associated structures	x hrs @ \$x /hour				
installing instream habitat enhancements	x hrs @ \$x /hour				
other	indicate variable				
Subtotal Hardscaping Installation					
Softscaping Materials					
trees (indicate pot size and total number)	average \$x / tree by # trees				
shrubs (indicate pot size and total number)	average \$x / shrub by # shrubs				
groundcover (indicate pot size and total number)	average \$x / groundcover by # groundcover				
seed (indicate if hydroseed or hand-seed)	# bags/ x m ² @ x seed/x m ² coverage				
other	indicate variable				
Subtotal Softscaping Materials					
Softscaping Installation					
plant installation	x hours @ \$x/hour				
pest barrier installation	installed during planting <u>OR</u> x hours @ \$x/hour				
other	indicate variable				
Subtotal Softscaping Installation					
Restoration of Temporary Impacts					
add rows for applicable items (e.g. topsoil, mulch, plants, guards, habitat complexing, etc.)	indicate variable				
Subtotal Temporary Impacts					
TOTAL PHYSICAL WORK					

COSTING SHEET FOR ENVIRONMENTAL SECURITIES *continued*

MONITORING AND REPORTING					
construction monitoring	x visits x hrs @ \$x /hour				
prepare post-construction report	x hrs @ \$x /hour				
post construction inspection with the City	x hrs @ \$x /hour				
annual monitoring	x visits/year x #years of monitoring				
prepare annual monitoring reports	x hrs @ \$x /hour x #years of monitoring				
final inspection with the City	x hrs @ \$x /hour				
other	indicate variable				
TOTAL MONITORING AND REPORTING					
MAINTENANCE					
watering plants	Every (<i>daily/weekly/biweekly/monthly</i>) during (add season) during periods of no rain: x hours @ \$x/hr x years				
weeding/invasive plant removal	x hrs @ \$x /hour x years of maintenance				
repairing or replacing pest barriers	x hrs @ \$x /hour				
removing temporary fencing and/or ESC measures when site is stable	x hrs @ \$x /hour				
other	indicate variable				
TOTAL MAINTENANCE					
Total Estimated Restoration Cost					
	<i>cost/m² of Rehabilitation</i>				