

## Site Registration

Date

November 2021

Complete the following fields prior to calculating the Security Deposit.

Mine Name:	Teven Quarry		
Lease(s):	N/A		
Title Holder:	Holcim (Australia) Pty Ltd		
Mine Operator:	Holcim (Australia) Pty Ltd		
Expiry of MOP:			
Current Security:	NIL (expired)	Date of last Security Deposit review	
Mine Contact:	Shilpa Shashi		
Position:	Planning and Environment Coordinator NSW / ACT		
Address:	Level 7 Tower B - 799 Pacific Highway		
	Chatswood NSW 2067		
Phone:	0427 859 852	Email:	<a href="mailto:shilpa.shashi@lafargeholcim.com">shilpa.shashi@lafargeholcim.com</a>

## Site Description

The following site specific information is requested to provide background information in the context of calculating the Security Deposit.

### Summary of Mine Activities

Total annual production (tonnes):

Mine lease area (ha):

Area of extraction (ha):

Area of disturbance (ha):

Rehabilitation in progress (ha):

Rehabilitation complete (ha):   
Achieved ecosystem sustainability

MOP Utilised:   
Reference MOP no. version and date

MOP Plan(s) utilised: 1   
Reference Plan no. version and date

2

3

☐ Plan(s) attached

#### NOTE:

Ensure rehabilitation cost estimation reflects all environmental issues affecting the lease. Contingencies should be allocated where costs have not been incorporated elsewhere in the estimation.

### Environmental Sensitivities

Surrounding land use (tick all that apply):

- ☒ Cropping
- ☒ Pasture
- ☐ Forest
- ☒ Undisturbed habitat
- ☐ Urban

Environmental Issues affecting site (tick all that apply)

- ☒ Threatened flora
- ☒ Threatened fauna
- ☐ Cultural heritage items
- ☐ Natural heritage features
- ☐ Mine subsidence
- ☐ Surface water pollution
- ☐ Ground water pollution
- ☐ Hydrocarbon contamination
- ☐ Methane drainage/venting
- ☐ Spontaneous combustion
- ☐ Acid Mine Drainage
- ☐ Within drinking water catchment
- ☐ Other (describe below)




## Open Cut Summary Rehabilitation Cost Estimation

Note: Sections of this page are automatically filled in from the registration page

Mine Name:	Teven Quarry		
Lease(s):	N/A		
Authorisation Owner:	Holcim (Australia) Pty Ltd		
Mine Operator:	Holcim (Australia) Pty Ltd		
Expiry of MOP:			
Current Security:	NIL (expired)	Date of Last Security Deposit Review:	
Mine Contact:	Shilpa Shashi		
Position:	Planning and Environment Coordinator NSW / ACT		
Address:	Level 7 Tower B - 799 Pacific Highway Chatswood NSW 2067		
Phone:	0427 859 852	Email:	shilpa.shashi@lafargeholcim.com

Domain		Security Deposit
Domain 1: Infrastructure		\$653,726
Domain 2: Tailings & Rejects		
Domain 3: Overburden & Waste		\$35,329
Domain 4: Active Mine & Voids		\$279,107
Domain 5: Management Activities		\$40,000
<b>Subtotal (Domains and Sundry Items)</b>		<b>\$1,008,162</b>
Contingency	5%	\$50,408
Post Closure Environmental Monitoring	5%	\$50,408
Project Management and Surveying	5%	\$50,408
<b>Total Security Deposit for the Mining Project (excl. of GST)</b>		<b>\$1,159,386</b>

Note: GST is not included in the above calculation or as part of rehabilitation security deposits required by the Department.

- ☐ Alterations have been made to unit prices within this spreadsheet. (Attach a separate sheet providing details of changes).
- ☐ The proposed rehabilitation design is generally consistent with the development consent for the project.

This Registration Form, Summary Report and calculation pages are to be printed and attached as an appendix the AEMR or MOP.

This mine security calculation has been estimated using the best available information at the time.  
It is a true and accurate reflection of the total rehabilitation liability held by this mine.

-----  
Company Representative's Name

-----  
Date

-----  
Company Representative's Role / Responsibility

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Signature

## Open Cut Operations

### Domain 1a: Infrastructure

### Total Cost for Infrastructure Domain

**\$653,726**

Additional Assumptions: Record any relevant assumptions to this domain below:

	Key Rehabilitation Area Data for Domain	Enter data below manually
	Total Landform Establishment:	
	Total Growth Media Development:	
	Total Ecosystem Establishment:	

Management Precinct	Activity / Description	Applicable (Y or N)	Quantity	Unit	Default Unit Rate	Alternative Unit Rate	Total Cost	Basis for Costs Estimation and Additional Relevant Information	Description / Notes:
Termination of Services and Demolition Works	Removal of low/medium voltage powerlines including disconnection, rolling up the wires and removing the poles - does not include the removal of concrete stumps. Assumes not being re-used	Y	0.5	km	\$15,000		\$7,500	Allow 500m for plant items	Applies to power lines on stobie, concrete or similar poles.
	Demolish and remove demountable structures on concrete stumps. Assumes not being re-used	Y	150	m2	\$40.00		\$6,000	Refer to Area Calculations tab	Crib huts, temporary offices and other 'non permanent' structures. Does not include transport to regional disposal facility or equivalent.
	Demolish and remove small buildings/tanks (admin buildings, single story accommodation etc) and disposal on-site/locally	Y	187	m2	\$65.00		\$12,155	Refer to Area Calculations tab	Simple structure to demolish, assumes no greater than 2 stories high. Does not include transport to regional disposal facility or equivalent.
	Demolish and remove light industrial buildings and disposal on-site/locally	Y	506.5	m2/floor	\$115.00		\$58,248	Refer to Area Calculations tab	Needs to be calculated per floor/level (Assume 1 floor/level = 3-4 m). Does not include transport to regional disposal facility or equivalent.
	Demolish and remove CHPP/process plant (include the area of each floor of the structure) and disposal on-site/locally	Y	1436.333333	m2/floor	\$265.00		\$380,628	Refer to Area Calculations tab	Needs to be calculated per floor/level (Assume 1 floor/level = 3-4 m). Does not include transport to regional disposal facility or equivalent.
	Demolish and remove onground conveyors, transfer stations & gantries (scrap only - does not include dismantling for reuse at another site) and disposal on-site/locally	Y	127	m	\$210.00		\$26,670	Refer to Area Calculations tab	Estimate for on-ground conveyor including anything up to 10 m off the ground. Does not include transport to regional disposal facility or equivalent.
	Remove surface pipelines (unsupported) and disposal on-site/locally	Y	1000	m	\$15.00		\$15,000	Allow 1,000m	~300 mm pipes and assumes pipes are used for water transfer between pits (or similar) and remotely located. Does not include transport to regional disposal facility or equivalent.
	Remove concrete pads & footings (<300 mm thickness) and disposal on-site/locally	Y	2290	m2	\$37.00		\$84,721	Refer to Area Calculations tab	Breaking up slab and disposal or for conversion to aggregate. Generally haulage rates will be \$0.60 - \$1.20 / km, depending on truck fleet, loaders etc. For off-site disposal use alternate rate option and add \$0.90 / km for transport.
	Crush concrete to make road aggregate - 50 mm	Y	915.9	tonne	\$20.00		\$18,318	Assume average slab thickness 0.2m and bulking factor 2 tonnes/m³.	Does not include haulage of materials - assumes crushing plant is readily available.
Termination of Services and Demolition Works Subtotal							\$609,240		
Rail Infrastructure Subtotal							\$0		
Contaminated Materials Subtotal							\$0		
Vents, Shafts and Boreholes Subtotal							\$0		
Roads and Tracks	Unsealed roads / vehicle park-up areas - Minor earthworks, final trim and deep rip, ameliorate and seed (native tree/shrub/grass)	Y	0.029	ha	\$4,485		\$132	Parking Area	D10 Dozer @ \$332 per hour and 16H Grader @ \$212 per hour (50% utilisation) - tree/shrub seed.
Roads and Tracks Subtotal							\$132		
Earthworks / Structural Works (Landform Establishment)	Minor reshaping and pushing	Y	2.3	ha	\$3,900		\$8,954	Stockpile Areas 1-4 and Process area. Refer to Area Calculations tab.	D10 Dozer @ \$332 per hour and 16H Grader @ \$212 per hour (50% utilisation).
	Deep rip hard stand / lay down areas	Y	2.3	ha	\$960.00		\$2,204	Stockpile Areas 1-4 and Process area. Refer to Area Calculations tab.	D10 dozer @ \$332 per hour - deep rip in 2 directions @ 5 m spacing -3 hr per hectare.
Earthworks / Structural Works (Landform Establishment) Subtotal							\$11,158		
Land Preparation and Revegetation (Growth Media Development and Ecosystem Establishment)	Source, cart and spread growth media - haul distance <1 km	Y	3444	m3	\$3.26		\$11,214	< =1km 0.15m overStockpile Areas 1-4 and Process Area	610 m3/hr with 4 x 657 scrapers at \$430/hr, D10 trimming at \$270/hr 3ha/day at 150mm depth
	Planting tube stock (<15 cm)	Y	1435	allow	\$10.00		\$14,350	Stockpile Areas 1-4 and Process Area. Refer to Area Calculations tab.	4 m centres.
	Direct seeding / fertiliser (tree or native grass species)	Y	2.3	ha	\$2,095		\$4,810	Native grasses Stockpile Areas 1-4 and Process Area	Rate can fluctuate however this is a suitable standard rate.
	Single application of fertiliser (trees)	Y	2.3	ha	\$140.00		\$321	Stockpile Areas 1-4 and Process Area	These rates have fluctuated over the last few years however in light of current conditions (lower fuel prices, reduced demand etc) this is a suitable standard rate.
Land Preparation and Revegetation (Growth Media Development and Ecosystem Establishment) Subtotal							\$30,696		
Water Management	Clean water dams to be retained after decommissioning - make safe and minor earthworks	Y	1	allow	\$2,500		\$2,500	Main Dam	Provisional sum for earthworks and revegetation required to rehabilitate dam batters etc suitable for re-use by an alternate land-user - D6 Dozer (or similar) @ ~\$200 per hour and pasture grass.
Water Management Subtotal							\$2,500		
Maintenance of Rehabilitated Areas Subtotal							\$0		
Additional Items Subtotal							\$0		
Total Cost for Infrastructure Domain							\$653,726		

**Open Cut Operations****Domain 2a: Tailings & Rejects****Total Cost for Tailings & Rejects Domain****\$0**

Additional Assumptions: Record any relevant assumptions to this domain below:

	Key Rehabilitation Area Data for Domain	Enter data below manually
	Total Landform Establishment:	
	Total Growth Media Development:	
	Total Ecosystem Establishment:	

Management Precinct	Activity / Description	Applicable (Y or N)	Quantity	Unit	Default Unit Rate	Alternative Unit Rate	Total Cost	Basis for Costs Estimation and Additional Relevant Information	Description / Notes:
	Contaminated Materials Subtotal						\$0		
	Earthworks / Structural Works (Landform Establishment) Subtotal						\$0		
	Earthworks / Structural Works (Landform Establishment) Subtotal						\$0		
	Mine Waste Subtotal						\$0		
	Land Preparation and Revegetation (Growth Media Development and Ecosystem Establishment) Subtotal						\$0		
	Water Management Subtotal						\$0		
	Maintenance of Rehabilitated Areas Subtotal						\$0		
	Additional Items Subtotal						\$0		
Total Cost for Tailings & Rejects Domain							\$0		

## Open Cut Operations

### Domain 3a: Overburden & Waste

### Total Cost for Overburden & Waste Domain

**\$35,329**

Additional Assumptions: Record any relevant assumptions to this domain below:

	Key Rehabilitation Area Data for Domain	Enter data below manually
	Total Landform Establishment:	
	Total Growth Media Development:	
	Total Ecosystem Establishment:	

Management Precinct	Activity / Description	Applicable (Y or N)	Quantity	Unit	Default Unit Rate	Alternative Unit Rate	Total Cost	Basis for Costs Estimation and Additional Relevant Information	Description / Notes:
Contaminated Materials Subtotal							\$0		
Roads and Tracks Subtotal							\$0		
Earthworks / Structural Works (Landform Establishment) Subtotal							\$0		
Mine Waste Subtotal							\$0		
Land Preparation and Revegetation (Growth Media Development and Ecosystem Establishment)	Source, cart and spread growth media - haul distance <1 km	Y	3714	m3	\$3.26		\$12,093	< =1km Overburden Emplacement Area	610 m3/hr with 4 x 657 scrapers at \$430/hr, D10 trimming at \$270/hr 3ha/day at 150mm depth
	Planting tube stock (<15 cm)	Y	1547	allow	\$10.00		\$15,474	Overburden Emplacement Area	4 m centres.
	Direct seeding / fertiliser (tree or native grass species)	Y	2.5	ha	\$2,095		\$5,187	Native grasses Overburden Emplacement Area	Rate can fluctuate however this is a suitable standard rate.
	Single application of fertiliser (trees)	Y	2.5	ha	\$140.00		\$347	Overburden Emplacement Area	These rates have fluctuated over the last few years however in light of current conditions (lower fuel prices, reduced demand etc) this is a suitable standard rate.
Land Preparation and Revegetation (Growth Media Development and Ecosystem Establishment) Subtotal							\$33,101		
Water Management Subtotal							\$0		
Maintenance of Rehabilitated Areas	Maintenance of areas that have been shaped and seeded and revegetation has been 'successful'	Y	2.5	ha	\$900		\$2,228	Overburden Emplacement Area	Rehabilitation maintenance might include re-seeding, watering, fertilising, minor re-shaping, erosion control, inspections/audits - does not include major repair works.
Maintenance of Rehabilitated Areas Subtotal							\$2,228		
Additional Items Subtotal							\$0		
Total Cost for Overburden & Waste Domain							\$35,329		

## Open Cut Operations

### Domain 4a: Active Mine & Voids

### Total Cost for Active Mine & Voids Domain

**\$279,107**

Additional Assumptions: Record any relevant assumptions to this domain below:

	Key Rehabilitation Area Data for Domain	Enter data below manually
	Total Landform Establishment:	
	Total Growth Media Development:	
	Total Ecosystem Establishment:	

Management Precinct	Activity / Description	Applicable (Y or N)	Quantity	Unit	Default Unit Rate	Alternative Unit Rate	Total Cost	Basis for Costs Estimation and Additional Relevant Information	Description / Notes:
Open Cut Subtotal							\$0		
Earthworks / Structural Works (Landform Establishment)	Fill dams, voids etc. - Source local material, cart and spread to cap or backfill, cap thickness determined by approval / permit (haul distance <1 km)	Y	50166	m3	\$3.90		\$195,523	< =1km	D10 push over soft material at \$270/hr 657 Scrapers cut to spoil at \$430/hr, 150BCM/hr/machine, Ancillary watercart and grader at \$0.75c/m3
								Average 1m overburden placement over Extraction Area including benches	
Earthworks / Structural Works (Landform Establishment) Subtotal							\$195,523		
Land Preparation and Revegetation (Growth Media Development and Ecosystem Establishment)	Source, cart and spread growth media - haul distance <1 km	Y	7525	m3	\$3.26		\$24,503	< =1km	610 m3/hr with 4 x 657 scrapers at \$430/hr, D10 trimming at \$270/hr 3ha/day at 150mm depth
	Planting tube stock (<15 cm)	Y	3135	allow	\$10.00		\$31,354	Extraction Area	4 m centres.
	Direct seeding / fertiliser (tree or native grass species)	Y	5.0	ha	\$2,095		\$10,510	Native grasses Extraction Area	Rate can fluctuate however this is a suitable standard rate.
	Single application of fertiliser (trees)	Y	5.0	ha	\$140.00		\$702	Pit Area 1 & Pit Area 2	These rates have fluctuated over the last few years however in light of current conditions (lower fuel prices, reduced demand etc) this is a suitable standard rate.
	Purchase and erect warning signs	Y	48	allow	\$250.00		\$12,000	Allow for 1,200m	Compliance with AS 1319-1994 - Safety signs for the occupational environment - installed every 25 m.
Land Preparation and Revegetation (Growth Media Development and Ecosystem Establishment) Subtotal							\$79,069		
Water Management Subtotal							\$0		
Maintenance of Rehabilitated Areas	Maintenance of areas that have been shaped and seeded and revegetation has been 'successful'	Y	5.0	ha	\$900		\$4,515	Extraction Area	Rehabilitation maintenance might include re-seeding, watering, fertilising, minor re-shaping, erosion control, inspections/audits - does not include major repair works.
Maintenance of Rehabilitated Areas Subtotal							\$4,515		
Additional Items Subtotal							\$0		
Total Cost for Active Mine & Voids Domain							\$279,107		

## Open Cut Operations

### Domain 5a: Management Activities

### Total Cost for Management Activities

**\$40,000**

Additional Assumptions: Record any relevant assumptions to this domain below:

	Key Rehabilitation Area Data for Domain	Enter data below manually
	Total Landform Establishment:	
	Total Growth Media Development:	
	Total Ecosystem Establishment:	

Management Precinct	Activity / Description	Applicable (Y or N)	Quantity	Unit	Default Unit Rate	Alternative Unit Rate	Total Cost	Basis for Costs Estimation and Additional Relevant Information	Description / Notes:
Water Management Subtotal							\$0		
Creek Diversions Subtotal							\$0		
Maintenance of Rehabilitated Areas Subtotal							\$0		
Heritage Items Subtotal							\$0		
Sundry Items	Site security during closure	Y		yr.	\$75,000		\$0		Provisional sum for site security measures required during closure. This includes nightly patrols and first response in the event of an out of hours
	HAZMAT Clean-up - cleaning and decontaminating plant and equipment, chemical storage locations, oil and grease traps, tanks, vessels, and pipe work etc.	Y		allow	\$100,000		\$0		Provisional sum to perform the site clean-up and ensuring the demolition program is not interrupted due to potential contamination of waste
	Removal and disposal of radiation devices	Y		each	\$25,000		\$0		Provisional sum for removal and disposal of monitoring devices on conveyors using a radiation source (i.e., Americium - 241, Plutonium - 238, Caesium - 137 etc).
	Additional fees for accessing State, Crown or other public lands for rehabilitation/remediation activities	Y		allow	Use alternate rate cell		\$0		Provisional sum.
Sundry Items Subtotal							\$0		
Mobilisation and Demobilisation	Mobilisation & Demobilisation for small mine or quarry	Y	1	Item	\$40,000		\$40,000		May include specialist demolition equipment and/or suitable plant to execute bulk earthworks as required.
Mobilisation and Demobilisation Subtotal							\$40,000		
Additional Items Subtotal							\$0		
Total Cost for Management Activities							\$40,000		

**Open Cut Operations****Domain 1b: Infrastructure****Total Cost for Infrastructure Domain****\$0**

Additional Assumptions: Record any relevant assumptions to this domain below:

	Key Rehabilitation Area Data for Domain	Enter data below manually
	Total Landform Establishment:	
	Total Growth Media Development:	
	Total Ecosystem Establishment:	

Management Precinct	Activity / Description	Applicable (Y or N)	Quantity	Unit	Default Unit Rate	Alternative Unit Rate	Total Cost	Basis for Costs Estimation and Additional Relevant Information	Description / Notes:
	Termination of Services and Demolition Works Subtotal						\$0		
	Rail Infrastructure Subtotal						\$0		
	Contaminated Materials Subtotal						\$0		
	Vents, Shafts and Boreholes Subtotal						\$0		
		N					\$0		
	Earthworks / Structural Works (Landform Establishment) Subtotal						\$0		
	Land Preparation and Revegetation (Growth Media Development and Ecosystem Establishment) Subtotal						\$0		
	Water Management Subtotal						\$0		
	Maintenance of Rehabilitated Areas Subtotal						\$0		
	Additional Items Subtotal						\$0		
	<b>Total Cost for Infrastructure Domain</b>						<b>\$0</b>		

**Open Cut Operations****Domain 2b: Tailings & Rejects****Total Cost for Tailings & Rejects Domain****\$0**

Additional Assumptions: Record any relevant assumptions to this domain below:

	Key Rehabilitation Area Data for Domain	Enter data below manually
	Total Landform Establishment:	
	Total Growth Media Development:	
	Total Ecosystem Establishment:	

Management Precinct	Activity / Description	Applicable (Y or N)	Quantity	Unit	Default Unit Rate	Alternative Unit Rate	Total Cost	Basis for Costs Estimation and Additional Relevant Information	Description / Notes:
	Contaminated Materials Subtotal						\$0		
	Earthworks / Structural Works (Landform Establishment) Subtotal						\$0		
	Earthworks / Structural Works (Landform Establishment) Subtotal						\$0		
	Mine Waste Subtotal						\$0		
	Land Preparation and Revegetation (Growth Media Development and Ecosystem Establishment) Subtotal						\$0		
	Water Management Subtotal						\$0		
	Maintenance of Rehabilitated Areas Subtotal						\$0		
	Additional Items Subtotal						\$0		
	<b>Total Cost for Tailings &amp; Rejects Domain</b>						<b>\$0</b>		

**Open Cut Operations****Domain 3b: Overburden & Waste****Total Cost for Overburden & Waste Domain****\$0**

Additional Assumptions: Record any relevant assumptions to this domain below:

	Key Rehabilitation Area Data for Domain	Enter data below manually
	Total Landform Establishment:	
	Total Growth Media Development:	
	Total Ecosystem Establishment:	

Management Precinct	Activity / Description	Applicable (Y or N)	Quantity	Unit	Default Unit Rate	Alternative Unit Rate	Total Cost	Basis for Costs Estimation and Additional Relevant Information	Description / Notes:
	Contaminated Materials Subtotal						\$0		
	Roads and Tracks Subtotal						\$0		
	Earthworks / Structural Works (Landform Establishment) Subtotal						\$0		
	Mine Waste Subtotal						\$0		
	Land Preparation and Revegetation (Growth Media Development and Ecosystem Establishment) Subtotal						\$0		
	Water Management Subtotal						\$0		
	Maintenance of Rehabilitated Areas Subtotal						\$0		
	Additional Items Subtotal						\$0		
	<b>Total Cost for Overburden &amp; Waste Domain</b>						<b>\$0</b>		

**Open Cut Operations****Domain 4b: Active Mine & Voids****Total Cost for Active Mine & Voids Domain****\$0**

Additional Assumptions: Record any relevant assumptions to this domain below:

	Key Rehabilitation Area Data for Domain	Enter data below manually
	Total Landform Establishment:	
	Total Growth Media Development:	
	Total Ecosystem Establishment:	

Management Precinct	Activity / Description	Applicable (Y or N)	Quantity	Unit	Default Unit Rate	Alternative Unit Rate	Total Cost	Basis for Costs Estimation and Additional Relevant Information	Description / Notes:
	Open Cut Subtotal						\$0		
	Earthworks / Structural Works (Landform Establishment) Subtotal						\$0		
	Land Preparation and Revegetation (Growth Media Development and Ecosystem Establishment) Subtotal						\$0		
	Water Management Subtotal						\$0		
	Maintenance of Rehabilitated Areas Subtotal						\$0		
	Additional Items Subtotal						\$0		
	<b>Total Cost for Active Mine &amp; Voids Domain</b>						<b>\$0</b>		

**Open Cut Operations****Domain 5b: Management Activities****Total Cost for Management Activities****\$0**

Additional Assumptions: Record any relevant assumptions to this domain below:

	Key Rehabilitation Area Data for Domain	Enter data below manually
	Total Landform Establishment:	
	Total Growth Media Development:	
	Total Ecosystem Establishment:	

Management Precinct	Activity / Description	Applicable (Y or N)	Quantity	Unit	Default Unit Rate	Alternative Unit Rate	Total Cost	Basis for Costs Estimation and Additional Relevant Information	Description / Notes:
	Water Management Subtotal						\$0		
	Creek Diversions Subtotal						\$0		
	Maintenance of Rehabilitated Areas Subtotal						\$0		
	Heritage Items Subtotal						\$0		
	Sundry Items Subtotal						\$0		
	Mobilisation and Demobilisation Subtotal						\$0		
	Additional Items Subtotal						\$0		
Total Cost for Management Activities							\$0		

**Open Cut Operations****Domain 1c: Infrastructure****Total Cost for Infrastructure Domain****\$0**

Additional Assumptions: Record any relevant assumptions to this domain below:

	Key Rehabilitation Area Data for Domain	Enter data below manually
	Total Landform Establishment:	
	Total Growth Media Development:	
	Total Ecosystem Establishment:	

Management Precinct	Activity / Description	Applicable (Y or N)	Quantity	Unit	Default Unit Rate	Alternative Unit Rate	Total Cost	Basis for Costs Estimation and Additional Relevant Information	Description / Notes:
	Termination of Services and Demolition Works Subtotal						\$0		
	Rail Infrastructure Subtotal						\$0		
	Contaminated Materials Subtotal						\$0		
	Vents, Shafts and Boreholes Subtotal						\$0		
	N						\$0		
	Earthworks / Structural Works (Landform Establishment) Subtotal						\$0		
	Land Preparation and Revegetation (Growth Media Development and Ecosystem Establishment) Subtotal						\$0		
	Water Management Subtotal						\$0		
	Maintenance of Rehabilitated Areas Subtotal						\$0		
	Additional Items Subtotal						\$0		
	<b>Total Cost for Infrastructure Domain</b>						<b>\$0</b>		

**Open Cut Operations****Domain 2c: Tailings & Rejects****Total Cost for Tailings & Rejects Domain****\$0**

Additional Assumptions: Record any relevant assumptions to this domain below:

	Key Rehabilitation Area Data for Domain	Enter data below manually
	Total Landform Establishment:	
	Total Growth Media Development:	
	Total Ecosystem Establishment:	

Management Precinct	Activity / Description	Applicable (Y or N)	Quantity	Unit	Default Unit Rate	Alternative Unit Rate	Total Cost	Basis for Costs Estimation and Additional Relevant Information	Description / Notes:
	Contaminated Materials Subtotal						\$0		
	Earthworks / Structural Works (Landform Establishment) Subtotal						\$0		
	Earthworks / Structural Works (Landform Establishment) Subtotal						\$0		
	Mine Waste Subtotal						\$0		
	Land Preparation and Revegetation (Growth Media Development and Ecosystem Establishment) Subtotal						\$0		
	Water Management Subtotal						\$0		
	Maintenance of Rehabilitated Areas Subtotal						\$0		
	Additional Items Subtotal						\$0		
Total Cost for Tailings & Rejects Domain							\$0		

**Open Cut Operations****Domain 3c: Overburden & Waste****Total Cost for Overburden & Waste Domain****\$0**

Additional Assumptions: Record any relevant assumptions to this domain below:

	Key Rehabilitation Area Data for Domain	Enter data below manually
	Total Landform Establishment:	
	Total Growth Media Development:	
	Total Ecosystem Establishment:	

Management Precinct	Activity / Description	Applicable (Y or N)	Quantity	Unit	Default Unit Rate	Alternative Unit Rate	Total Cost	Basis for Costs Estimation and Additional Relevant Information	Description / Notes:
	Contaminated Materials Subtotal						\$0		
	Roads and Tracks Subtotal						\$0		
	Earthworks / Structural Works (Landform Establishment) Subtotal						\$0		
	Mine Waste Subtotal						\$0		
	Land Preparation and Revegetation (Growth Media Development and Ecosystem Establishment) Subtotal						\$0		
	Water Management Subtotal						\$0		
	Maintenance of Rehabilitated Areas Subtotal						\$0		
	Additional Items Subtotal						\$0		
	<b>Total Cost for Overburden &amp; Waste Domain</b>						<b>\$0</b>		

**Open Cut Operations****Domain 4c: Active Mine & Voids****Total Cost for Active Mine & Voids Domain****\$0**

Additional Assumptions: Record any relevant assumptions to this domain below:

	Key Rehabilitation Area Data for Domain	Enter data below manually
	Total Landform Establishment:	
	Total Growth Media Development:	
	Total Ecosystem Establishment:	

Management Precinct	Activity / Description	Applicable (Y or N)	Quantity	Unit	Default Unit Rate	Alternative Unit Rate	Total Cost	Basis for Costs Estimation and Additional Relevant Information	Description / Notes:
	Open Cut Subtotal						\$0		
	Earthworks / Structural Works (Landform Establishment) Subtotal						\$0		
	Land Preparation and Revegetation (Growth Media Development and Ecosystem Establishment) Subtotal						\$0		
	Water Management Subtotal						\$0		
	Maintenance of Rehabilitated Areas Subtotal						\$0		
	Additional Items Subtotal						\$0		
	<b>Total Cost for Active Mine &amp; Voids Domain</b>						<b>\$0</b>		

**Open Cut Operations****Domain 5c: Management Activities****Total Cost for Management Activities****\$0**

Additional Assumptions: Record any relevant assumptions to this domain below:

	Key Rehabilitation Area Data for Domain	Enter data below manually
	Total Landform Establishment:	
	Total Growth Media Development:	
	Total Ecosystem Establishment:	

Management Precinct	Activity / Description	Applicable (Y or N)	Quantity	Unit	Default Unit Rate	Alternative Unit Rate	Total Cost	Basis for Costs Estimation and Additional Relevant Information	Description / Notes:
	Water Management Subtotal						\$0		
	Creek Diversions Subtotal						\$0		
	Maintenance of Rehabilitated Areas Subtotal						\$0		
	Heritage Items Subtotal						\$0		
	Sundry Items Subtotal						\$0		
	Mobilisation and Demobilisation Subtotal						\$0		
	Additional Items Subtotal						\$0		
Total Cost for Management Activities							\$0		

## Assumptions and rehabilitation requirements

List or record any assumptions made when completing this tool:

[illegible]

Refer to area measurements in separate file "Teven Rehabilitation Cost Estimate Diagrams\_15Nov21.pdf"

Buildings

Item	Area (m <sup>2</sup> )				
	Demountable	Small Buildings	Light Industrial	Industrial	Remain at Closure
Weighbridge Office	72				
Process 3	25				
Process 4	20				
Process 5	18				
Process 6	15				
Office 1		170			
Office 2					38
Office 3					Shipping container - to be relocated
Office 4					
Office 5		12			
Office / Laboratory					363.4
Refuelling Facility			81		
Fuel Storage Tank					To be relocated
Workshop			425.5		
Aboveground tanks 2 & 3		5			Tank 1 (12.5 m <sup>2</sup> ) remains at closure
Total	150	187	506.5	0	

Plant

Item	Levels (@4.5m)	Area (m <sup>2</sup> )		
		Footprint	Total	
Weighbridge	1	68	68	
Primary Feed Bin	2	94	188	Height 9 m
Primary Crusher / Screener	3	135	405	Av height 13.5 m
Process 1	2	139	278	Height 9 m
Secondary Crusher / screener	2	156	312	Height 9 m
Process 2	1	23	23	
Process 7	2	34	68	
Process 8	2	37	74	
Process 9	2	10	20	
Total		696	1436	

Conveyors

Item	Length (m)
Conveyor 1	20
Conveyor 2	16
Conveyor 3	17
Conveyor 4	17
Conveyor 5	19
Conveyor 6	10
Conveyor 7	7
Conveyor 8	6
Conveyor 9	10
Conveyor 10	5
Total	127

Concrete Pads

Item	Area (m <sup>2</sup> )
Buildings	1040
Plant	1045
Weighbridge and wheel wash	205
Total	2290

Rehabilitation Areas

Item	Area (m <sup>2</sup> )	% to be Planted	Area Planted (m <sup>2</sup> )	
Extraction Area (including future disturbance)	129241			
Extraction Area (less OEA1 and Main Dam)	100332	50%	50166	Allowing for bench faces, roads and bench profile as per Figure 6.2 of Rehabilitation Plan.
Process Area	9375	85%	7969	Allow for access roads
Stockpile Area 1	4676	100%	4676	
Stockpile Area 2	3139	100%	3139	
Stockpile Area 3	2009	100%	2009	
Stockpile Area 4	5167	100%	5167	
Overburden Emplacement Area 1 (OEA1)	24759	100%	24759	
Overburden Emplacement Area 2 (OEA2)	7391	0%	0	Rehabilitation in progress
Parking Area	294	100%	294	
Total	186051		98179	

Other

Item	Area (m <sup>2</sup> )
Main Dam	4150



## Justification for Change of Rates in the DRG's Rehabilitation Cost Estimation Tool

Domain	Activity	DRG unit/rate	Adopted Rates	Justification

*In completing the Rehabilitation Cost Estimation, we are seeking an adjustment to the rates currently utilised in the DRG Rehabilitation Cost Estimation Tool. A justification for the rate change by a third party has been included and I confirm that only the rates identified in the above table have been altered in the Rehabilitation Cost Estimation Tool.*

.....  
Authorisation Representatives Name

.....  
Date

.....  
Authorisation Representatives Role / Responsibility

.....  
Signature