

ARS – ASX ANNOUNCEMENT

29 July 2019

**MT IDA SCOPING STUDY CONFIRMS POTENTIAL FOR ROBUST LOW COST OPEN
PIT GOLD PROJECT WITH MULTI YEAR MINE LIFE**

Scoping Study highlights strong case for future development of the strategically located Mt Ida Project gold deposits as the Company's ongoing drilling programs continue to expand the Mt Ida and Bottle Creek Resource and target potential new discoveries



Figure1: VB pit and mining camp Bottle Creek Mt Ida

ALT Resources Limited (ASX: ARS, Alt or the Company) is pleased to present the findings of a recently completed Scoping Study for a standalone gold operation at its Mt Ida Gold Project incorporating the Bottle Creek, Quinn's and Mt Ida South project areas (**Mt Ida or Project**), located 90km north-west of Menzies in Western Australia's Eastern Goldfields.

The Scoping Study contemplates the development of an open pit mining operation with the construction of a stand-alone 500,000 tonne per annum ore processing facility with the results demonstrating a project that is financially robust and has strong project fundamentals with low technical risk.

The positive Scoping Study provides the Company with confidence to advance the project through to a detailed Feasibility Study whilst maintaining its approach to ongoing drilling operations to continue growing the Mt Ida Mineral Resource and target potential new discoveries.



Cautionary Statement Funding Assumptions

The Scoping Study (Study) referred to in this announcement has been undertaken to determine the potential viability of an open pit mining operation and construction of a standalone gold processing plant to be located on the Bottle Creek granted mining leases at Mt Ida. It is a preliminary technical and economic study of the potential viability of the Project.

The Scoping Study is based on lower level technical and economic assessments that are not sufficient to support the estimation of Ore Reserves. Further exploration and evaluation work and appropriate studies are required before ALT will be in a position to estimate and deliver its Maiden Ore Reserves Statement or to provide any assurance of an economic development case.

The Study is based on the material assumptions outlined below. These include assumptions about the availability of funding. While ALT considers all of the material assumptions to be based on reasonable grounds, there is no certainty that they will prove to be correct or that the range of outcomes indicated by the Study will be achieved.

The Study includes existing JORC 2012 Code Measured, Indicated and Inferred resources defined within the Project. Less than 2% of the Production Target referred to in the Study is based on Inferred Resources.

In order to achieve the range of outcomes indicated in the Study, funding in the order of thirty million dollars (A\$30,000,000) inclusive of working capital will likely be required. Investors should note that there is no certainty that the Company will be able to raise that amount of funding when needed. It is possible that such funding may only be available on terms that may be dilutive to or otherwise affect the value of Alt's existing shares.

ALT has concluded it has a reasonable basis for providing the forward-looking statements included in this announcement and believes that it has a "reasonable basis" to expect it will be able to fund the development of the Project.

Key components of the Study and the material assumptions used are contained within this announcement. Information includes preliminary optimisation studies, metallurgical recoveries from existing test work and costs based on comparison with similar operations and estimates provided by external consultants. Given the uncertainties involved, investors should not make any investment decisions based solely on the results of the Scoping Study.



Key Points:

- Financially robust and technically low-risk gold project.
- The Mineral Resources in the Life-of-Mine (LOM) schedule are estimated to be approximately 2.98Mt @ 2.0g/t gold and 15.1g/t silver.
- Production of 181.2k ounces of gold and 937.8k ounces of silver over 6 years.
- AISC costs (Life of Mine)** estimated in the range of AU\$1,100 - \$1,200/oz.
- Project CAPEX of approximately \$30M
- Projected EBITDA of A\$54.5M in first three years and A\$102.2M over life-of-mine.
- Cash flow positive in first year of production.
- Treatment Plant designed to be readily scalable.
- Strategy remains firmly in place to continue to develop the Mt Ida Mineral Resource, and to move to a detailed Feasibility Study.
- Significant scope remains to grow the Mineral Resource and proposed life-of-mine (LOM) production schedule and add significant value through:-
 - *The discovery of additional open pitable or underground Mineral Resources within ALT's current tenement package.*
 - *Strategically located Joint Venture or outright purchase opportunities.*
- RC and Diamond drilling programs continuing across ALT's current tenement package.

Key observations and conclusions of the May 2019 Scoping Study are:-

- The proposed Life-of-Mine (LOM) production schedule extracted 2.98Mt @ 2.0g/t gold and 15.1g/t silver for 181,200 gold and 937,800 silver ounces recovered from a total scoped resource Mineral Resource of 6.8Mt @ 1.9g/t gold for 406,000oz of contained gold and 3.78Moz of silver (5.57Mt at 21.1g/t silver).
- Resource categories in the proposed LOM production schedule are approximately 21.0% Measured, 76.8% Indicated and 2.2% Inferred.
- A production rate of approximately 0.5Mtpa is considered the optimum development scenario for the Project and produced the best capital and operating efficiencies.
- Capital costs of A\$30M (+/- 30%) have been estimated, comprising \$19.7M for a new CIL plant and other Project start-up costs and \$6.5M for. Sustaining capital, working capital and contingency costs totalling A\$10.3M were also included.
- Production based on the proposed LOM production schedule is forecast at 191,600 gold equivalent ounces recovered over 6 years.
- Equivalent Gold production ranges from 30,000oz of gold in Year 1 with a peak of 34,200oz in Year 3 in the LOM plan.



- AISC costs (LOM)** are forecast in the range of A\$1,100/oz to A\$1,200/oz.
 - The addition of further Resources will add significant value and improve project economics.
- ** AISC cost (LOM) – All-in Sustaining Costs are calculated as all operating costs including mining, processing, general administration, royalties and sustaining capital. Excludes initial plant capital. In the Study, the AISC includes Sustaining Costs but excludes start-up CAPEX).**

The Company considers that the Project is economically viable based on its ability to pay back the project start-up capital and provide ongoing positive operational cash flows. The current Life-of-Mine (LOM) plan has a 98%:2% proportionate split of Measured and Indicated Mineral Resources to Inferred Mineral Resources, during which more than 212,000 equivalent gold ounces will potentially be mined as considered in the Scoping Study.

As discussed in more detail below, ALT believes that an initial 6-year production life for approximately 191,600 equivalent gold ounces recovered is possible and will be assessed more fully in a detailed Feasibility Study aimed for completion by the end of CY 2019. Following the delineation of Ore Reserves, the ALT Board will then consider a decision to proceed with project development.

ALT Chief Executive Officer (CEO), James Anderson, said the Scoping Study results provided a clear indication of the inherent value proposition at Mt Ida, as well as the substantial potential to further enhance the Project with ongoing drilling to grow the Resource and make new discoveries.

“I wanted to demonstrate to funders that a value proposition exists for investment whereby a smaller scale gold project can be developed and deliver solid returns with significantly less capital exposure and risk for funders. There is a current mindset and funding model whereby you must have 1Moz and be able to produce 100,000oz a year which is not the always sustainable. Bigger is not always better, which is clearly evidenced by the recent failure of Gascoyne and others and I think the Mt Ida and Bottle Creek scoping study using reasonable assumptions has done that”

“This Project shows a 6-year open-pit mine life, with clear potential for significantly increased cash-flow through increases in mine life, which we expect to achieve through ongoing drilling programs and future exploration success and project acquisition”

The Mt Ida treatment plant is designed to be readily scalable, and at low cost, by increasing the crushing, milling and leaching capacity. Our strategy has always been to continue drilling and exploring aggressively to grow the Mineral Resource to feed a plant and we will deliver our Feasibility Study hopefully by the end of the year”

“In the meantime, investors can look forward to strong news-flow as we continue to drill aggressively and deliver results from outside the current Resource inventory adding value for our shareholders”.



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29th July 2019
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RE: SCOPING STUDY OUTCOMES – MT IDA GOLD PROJECT

Minecomp Pty Ltd (Minecomp) has been commissioned by ALT Resources Limited (ARS) to produce a July 2019 Scoping Study for the Company's Mt Ida Gold Project incorporating the Bottle Creek, Quinn's Mining Centre and the Mt Ida South project areas in Western Australia.

The statements and opinions in this Report are given in good faith and this Report is based upon information provided by ARS, along with technical reports prepared by independent consultants and other relevant published and unpublished data for the Mt Ida Gold Project areas.

The Mining Target for Mt Ida was estimated with Whittle software, using metal prices of A\$1,800 and A\$20/oz for gold and silver respectively, to be:-

Table 1 – Mt Ida Gold Project– Mining Target

PROSPECT	MINING TARGET				
	TONNAGE	Au GRADE	Ag GRADE	Au OUNCES	Ag OUNCES
	(t)	(g/t)	(g/t)	(oz)	(oz)
EMU and SOUTHWARK	1,705,000	2.0	9.8	110,433	537,485
BOAGS and VB	992,000	2.0	28.4	63,610	905,411
TIM'S FIND	178,000	2.6	-	14,718	-
BOUDIE RAT	36,500	2.8	-	3,224	-
FORREST BELLE	66,800	1.9	-	4,081	-
TOTAL	2,978,300	2.0	15.1	196,000	1,443,000

Note: - Rounding errors may occur

The estimated Mineral Resources underpinning the Mining Target have been prepared by Competent Persons in accordance with the requirements in Appendix 5A (JORC Code). Table 2 below summarises the respective Mineral Resources that give rise to the potential Mt Ida Gold Project Mining Target.

The Mining Target is comprised of 21% Measured Mineral Resource, 77% Indicated Mineral Resource and 2% Inferred Mineral Resource.

There is a low level of geological confidence associated with Inferred Mineral Resources and there is no certainty that further exploration work will result in the determination of Indicated Mineral Resources or that the Mining Target itself will be realised.

Table 2 – Mt Ida Gold Project – Mineral Resources

DEPOSIT	CATEGORY	TONNES	Au Grade	Au Ounces	TONNES	Ag Grade	Ag Ounces
		(t)	(g/t)	(oz)	(t)	(g/t)	(oz)
Emu and Southwark	Measured	602,000	2.3	44,260	602,000	9.5	187,000
	Indicated	1,939,000	1.8	112,920	1,939,000	13.1	815,000
	Inferred	516,000	1.3	21,650	516,000	15.2	252,000
VB and Boags	Indicated	1,827,000	1.7	98,290	1,827,000	28.9	1,697,000
	Inferred	692,000	1.4	31,550	692,000	37.3	829,000
Boudie Rat and Forrest Belle	Measured	130,000	2.5	10,450			
	Indicated	130,000	3.0	12,540			
	Inferred	30,000	3.6	3,470			
Tim's Find	Indicated	360,000	2.6	30,100			
Total Resources Scoped		6,226,000	1.8	365,230	5,576,000	21.1	3,780,000
Boudie West and Belvidere	Indicated	30,000	3.8	3,670			
	Inferred	100,000	3.6	6,750			
Quinn's Hills	Indicated	20,000	5.7	3,670			
Matisse	Inferred	110,000	1.7	6,010			
Spotted Dog North and South	Inferred	320,000	2.0	20,580			
Total Resources Not Scoped		580,000	2.4	452,020			
Total Resources		6,800,000	1.9	406,000	5,570,000	21.1	3,780,000

Note: - Rounding errors may occur

Key physical parameters from the Scoping Study include: -

Table 3 – Mt Ida Gold Project – Key Physical Parameters

PHYSICALS	UNIT	QUANTITY
Life Of Mine	(years)	6.0
Mining Target Tonnes	(Mt)	2.98
Mining Target Gold Grade	(g/t)	2.0
Mining Target Silver Grade	(g/t)	15.1
Gold Metallurgical Recovery (average)	(%)	92.5
Silver Metallurgical Recovery	(%)	65.0
Gold Production	(koz)	181.2
Silver Production	(koz)	937.8
Stripping Ratio	(waste bcm:ore bcm)	8.9:1
Total Volume	(Mbcm)	14.3

Note: - Rounding errors may occur

Key financial parameters from the Scoping Study include: -

Table 4 – Mt Ida Gold Project – Key Financial Parameters

KEY FINANCIAL PARAMETER	UNIT	QUANTITY
Gold Price	(A\$/oz)	1,800
Silver Price	(A\$/oz)	20
Revenue	(A\$M)	344.9
Operating Costs	(A\$M)	197.0
Royalties	(A\$M)	15.7
EBITDA	(A\$M)	132.2
Capital Costs - Startup	(A\$M)	25.5
Capital Costs - Sustaining	(A\$M)	4.5
Free Cashflow	(A\$M)	102.2
C1 Cash Cost (Au equivalent)	(A\$/oz)	1,110
AISC	(A\$/oz)	1,134
Payback	(months)	24

Note: - Rounding errors may occur

THE INFORMATION IN THIS REPORT THAT RELATES TO THE MINING TARGET IS BASED ON INFORMATION COMPILED BY MR GARY MCCRAE, A COMPETENT PERSON WHO IS A MEMBER OF THE AUSTRALASIAN INSTITUTE OF MINING AND METALLURGY. MR MCCRAE IS A FULL-TIME EMPLOYEE OF MINECOMP PTY LTD. MR MCCRAE HAS SUFFICIENT EXPERIENCE THAT IS RELEVANT TO THE STYLE OF MINERALISATION AND TYPE OF DEPOSIT UNDER CONSIDERATION AND TO THE ACTIVITY BEING UNDERTAKEN TO QUALIFY AS A COMPETENT PERSON AS DEFINED IN THE 2012 EDITION OF THE “AUSTRALASIAN CODE FOR REPORTING OF EXPLORATION RESULTS, MINERAL RESOURCES AND ORE RESERVES”. MR MCCRAE CONSENTS TO THE INCLUSION IN THE REPORT OF THE MATTERS BASED ON HIS INFORMATION IN THE FORM AND CONTEXT IN WHICH IT APPEARS.

SUMMARY OF KEY TECHNICAL ELEMENTS IN SCOPING STUDY

1. INTRODUCTION

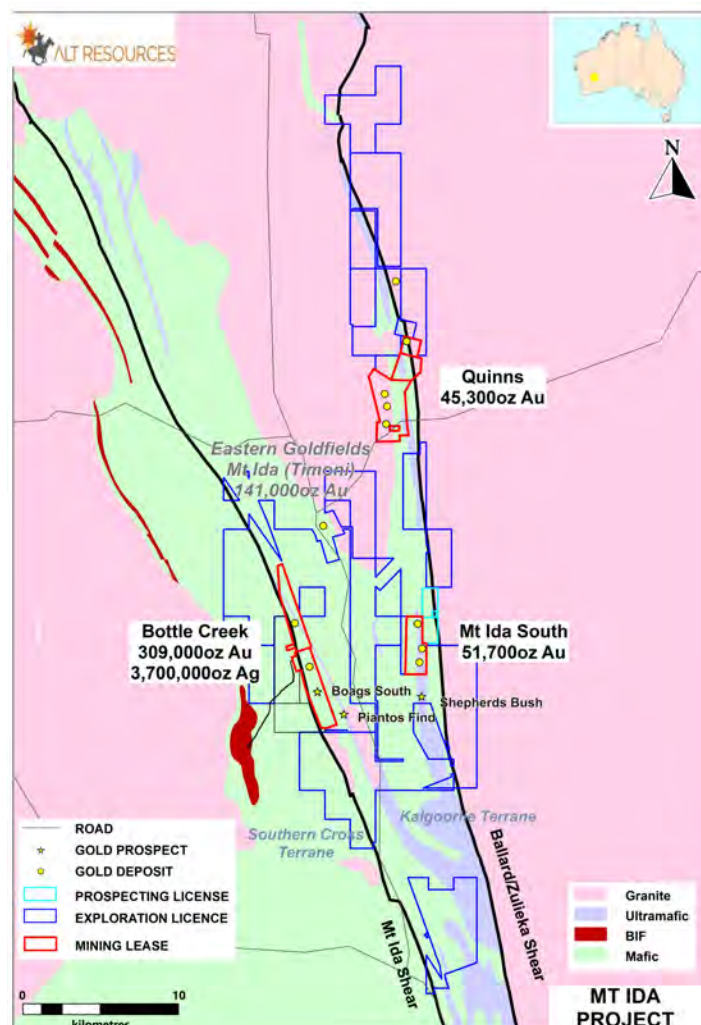
The Company engaged Minecomp Pty Ltd (“Minecomp”), a Kalgoorlie based company, to carry out the Scoping Study at Mt Ida Gold Project (“Mt Ida”), producing a high level mining and processing schedule.

The Mt Ida Gold Project is located ~90km north-west of Menzies and 220km north of Kalgoorlie, in the Eastern Goldfields of Western Australia. The Project covers a total area of approximately 360km² and comprises the Bottle Creek, Quinn’s and Mt Ida South mining areas.

ALT is investigating the potential to develop a long-term standalone mining operation at the Project. The Scoping Study outlines the capital and operating cost estimates and the production schedule for mining and processing.

The Study is completed to the level of a Scoping Study as defined in clause 38 of the 2012 Edition of the JORC Code.

Figure 1: Mt Ida Gold Project – Location Plan



2. MINERAL RESOURCE

Independent JORC 2012 estimates of the Mineral Resource at the Mt Ida Gold Project have been made by two geological consulting services. The Mineral Resource totals 6.8Mt at 1.9g/t gold for 406,000oz of contained gold and 3.78Moz of silver (5.57Mt at 21.1g/t silver).

The Mineral Resource, as per the ASX announcement, “Clarifying Statement Bottle Creek and Mt Ida Gold and Silver Resource Estimate”, 8th May 2019 was :-

Table 5 – Mt Ida Gold Project – Summary of Mineral Resources

DEPOSIT	CATEGORY	TONNES	Au Grade	Au Ounces	TONNES	Ag Grade	Ag Ounces
		(t)	(g/t)	(oz)	(t)	(g/t)	(oz)
Emu and Southwark	Measured	602,000	2.3	44,260	602,000	9.5	187,000
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Spotted Dog North and South	Inferred	320,000	2.0	20,580			
Total Resources		6,800,000	1.9	406,000	5,570,000	21.1	3,780,000

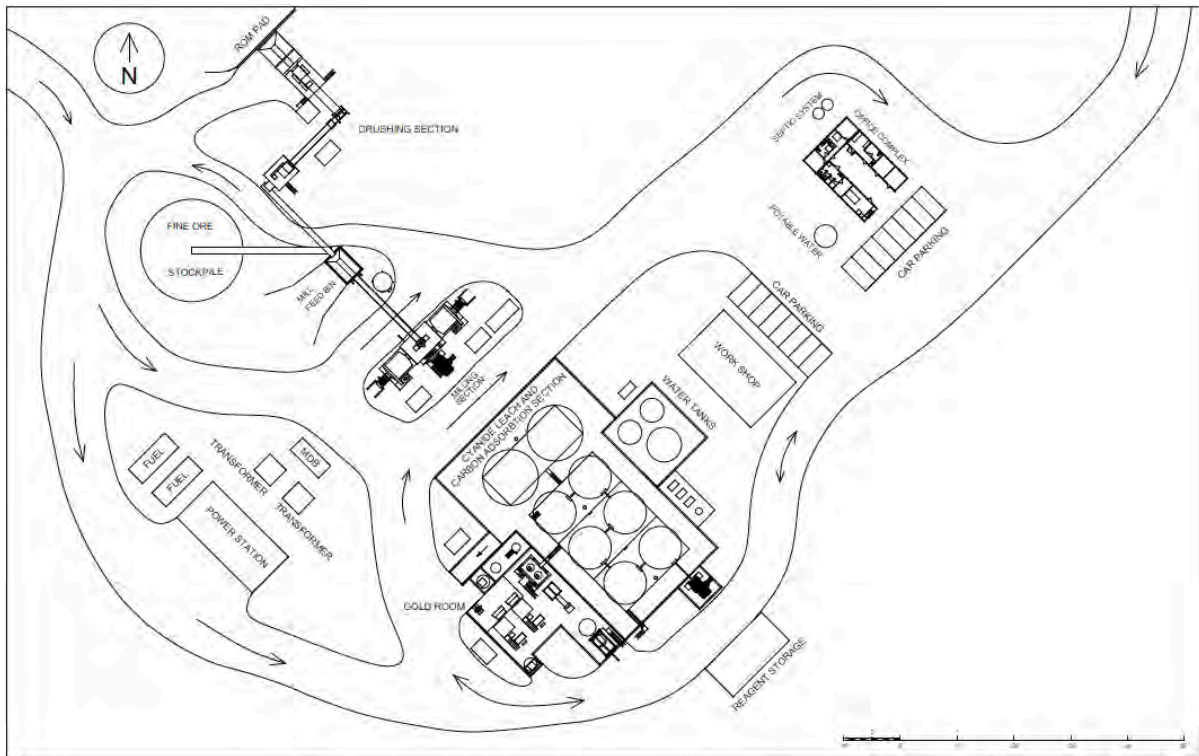
Summary of updated combined Mineral Resource Estimate for the Mt Ida Gold Project
Calculations have been rounded to the nearest 1,000

For further details see JORC Code 2012 Edition – Table Report Templates Sections 1, 2, 3 at conclusion of this report.

3. SITE AND INFRASTRUCTURE

The Scoping Study envisages small to large-scale open pit mining that will deliver material to a new, 500,000tpa capacity carbon-in-pulp (CIP) gold treatment facility inclusive of a carbon stripping circuit at the Mt Ida Gold Project.

Figure 2: Mt Ida Treatment Plant – Site Plan



The Mt Ida processing plant is to be located at Bottle Creek. Site and infrastructure requirements will include but may not be limited to: -

- Site Offices and Car Park
- Power Plant
- Fuel Storage Facility
- ROM Pad
- Crusher
- CIP Plant
- Reagent Storage Room
- Tailing Storage Facility
- Carbon Stripping circuit
- Gold Room
- Potable Water Storage
- Workshop
- Contractor Lay-down Area

The infrastructure requirements for the Tim's Find, Boudie Rat and Forrest Belle satellite pits, which are located between 5 and 20km from Bottle Creek are to include: -

- Site Office and Car Park
- Fuel Storage Facility
- ROM Pad
- Workshop
- Contractor Lay-down Area

It is proposed to utilise a 40 man mining camp previously constructed and situated approximately 15 minutes by road from the existing Bottle Creek mining leases for accommodation.

3. MINING

Mining at the Mt Ida Gold Project is to be performed using conventional open pit mining techniques.

For the Emu, Southwark, Boags and VB (Bottle Creek) pits mining equipment will comprise fixed chassis 777 dump trucks and matching 120t hydraulic excavator with the additional ancillary equipment rounding out the fleet.

The mining equipment for the Tim's Find, Boudie Rat and Forrest Belle (Satellite) pits will comprise articulated dump trucks, matching 90t hydraulic excavators and additional ancillary equipment rounding out the fleet. Mining at Bottle Creek is to occur on a double shift basis whilst single shift mining will occur at the satellite pits.

ALT envisages that load and haul, drill and blast and grade control drilling will be undertaken by mining contractors additionally haulage and mining from the satellite pits will also be undertaken by mining contractors. All technical, surveying and managerial direction will be governed by ALT.

The mining strategy will be focused on delivering an appropriate blend of ore to the Bottle Creek processing plant so as to optimise plant recoveries and throughput.

4. MINING TARGET CALCULATIONS

The Mineral Resource estimate models were imported into Whittle pit optimisation software. The optimisation analysis included inputs from Mr. James Anderson and external consultants. These input parameters comprised contractor estimates based upon experience and were inclusive of all on-site operating costs. Where applicable these costs, were reflective of the use of articulated trucks and matching equipment. Milling costs were reflective of treatment at an on-site milling facility located at the existing Bottle Creek mining leases.

The metallurgical recoveries used for the oxidised and transitional Bottle Creek ore was based upon work conducted by Australian Minmet Metallurgical Laboratories Pty Ltd (AMML), West Gosford NSW. The AMML test work results indicated that recovery factors of 93% for gold and 65% for silver were readily achievable at 80% passing 60 microns.

For the primary Bottle Creek ore assumed metallurgical recovery of 88% for gold and 65% for silver was utilised.

Note: The Mining Target was comprised of less than 8% of primary ore.

For the Quinn's and Tim's Find Satellite pits a gold recovery of 92% was utilised for all ore types. This figure was based upon the metallurgical recoveries experienced in similarly hosted ore types.

The geotechnical parameters utilised for Bottle Creek pit design and optimisation were based upon a geotechnical assessment undertaken by Golder Associates on behalf of Norgold Ltd in February 1989. For the Satellite pits the geotechnical parameters were measured from either existing ore, or similarly hosted open pits.

The ore body geometries resulted in the application of mining dilution and recovery factors as follows: -

Table 6 – Mt Ida Gold Project – Mining Dilution and Recovery Factors

ORE TYPE	MINING DILUTION	MINING RECOVERY
OXIDE	10% at 0.00g/t	95%
TRANSITIONAL	15% at 0.00g/t	95%
FRESH	20% at 0.00g/t	95%

Given the ore body dimensions no allowances were made for minimum mining widths.

The **Bottle Creek** optimisation analysis was conducted for gold and silver prices at A\$1,800/oz and A\$20/oz respectively. Sensitivity of the Mining Target to the revenue stream was tested for a range of -35% to +17%.

The **Satellite pits** optimisation analysis was conducted for a gold price range of A\$1,400/oz to A\$2,000/oz.

Minimal Inferred Resources (up to 2%) were incorporated into the Scoping Study. Allowances have been made for royalties comprising of the 2.5% state royalty and an additional third party royalty of 2.5% payable on gold have been incorporated into the Scoping Study. No allowance has been made for the exemption of the state royalty on the first 2,500 ounces produced in each financial year.

5. ORE PROCESSING

5.1 PROCESSING DESIGN CRITERIA

Timora Pty Ltd (Timora) were contracted by ALT to design a conventional, 500,000tpa or 62tph throughput CIP ore treatment plant. The designed treatment plant comprises a crushing plant and a processing plant. The design calls for two stage crushing, two stage milling, cyanidation leach, carbon adsorption, carbon stripping and smelting to produce gold/silver dore on site.

This arrangement is shown in Figure 3. All main elements that comprise the processing plant are typical of conventional CIP plants operating throughout the WA Goldfields.

Table 7 – Mt Ida Gold Project – Summary of Selected Processing Design Criteria

PARAMETER	UNIT	VALUE
CAPACITY		
Processing Capacity	(tpa)	500,000
COMMINUTION		
Ball Mill Bond Work Index	(kWh/t)	11.5
Abrasion Index	(g)	0.25
GOLD/SILVER EXTRACTION		
Primary Mill Feed Size (80% passing)	(mm)	8
Primary Mill Grind Size (80% passing)	(micron)	180
Secondary Mill Grind Size (80% passing)	(micron)	60
Leach Recovery - Gold	(%)	90
Leach Recovery - Silver	(%)	60
Leach Residence Time	(hours)	12
REAGENT CONSUMPTION		
Lime	(kg/t ore)	2.0
Cyanide	(kg/t ore)	1.4

5.2 PROCESSING CAPITAL COST ESTIMATE

The Timora capital cost estimate for the construction of the 500,000tpa CIP ore treatment plant was as follows:-

Table 8 – Mt Ida Gold Project – Summary of Processing Plant Capital Costs

COST CENTRE	COST
Building and Enclosures	\$149,000
Concrete	\$1,368,900
Craneage	\$301,000
Critical Spares	\$410,000
Earthworks	\$172,000
Electrical Materials and Installation	\$2,490,618
EPCM	\$1,206,566
Equipment and Electric Motors	\$2,501,146
Equipment Refurbishment	\$150,000
Fencing	\$81,000
First Fill	\$244,000
Freight	\$531,400
Guarding	\$86,000
Installation Equipment and Steel Work	\$728,000
Office, Ablutions, Crib Room and Workshop	\$287,000
Piping and Installation	\$499,000
Plumbing	\$49,000
Signage	\$20,000
Spares	\$213,000
Steel Work Includes Tank Joining At Site	\$1,714,600
Survey	\$70,000
Subtotal	\$13,272,230
Contingency	\$1,327,223
Total	\$14,599,453

5.3 PROCESSING OPERATING COST ESTIMATE

Table 9 below is a summary of the processing operating cost items: -

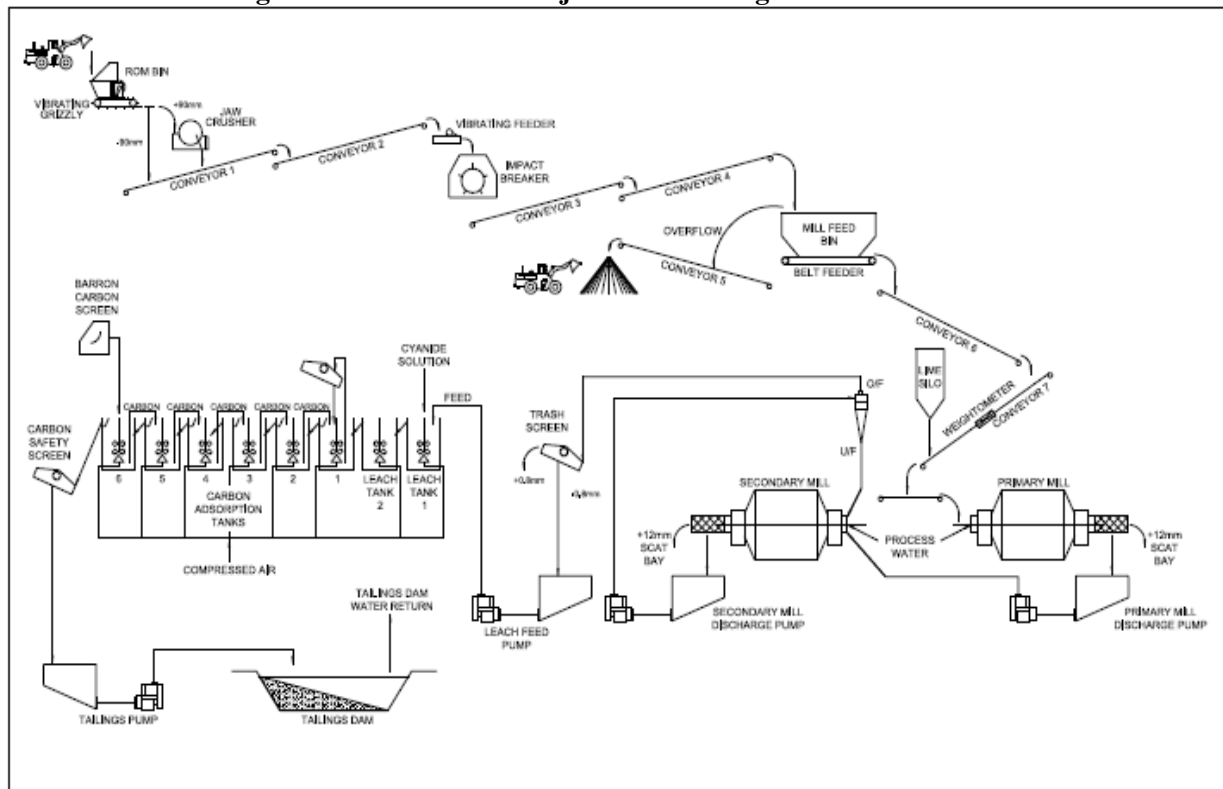
Table 9 – Mt Ida Gold Project – Summary of Processing Operating Costs

COST CATEGORY	UNIT COST
	(\$/t ore)
Labour	5.95
Consultants	0.32
Power	9.83
Reagent Costs	6.17
Consumables	2.41
Maintenance and Supplies	1.34
Mobile Equipment	0.80
Sampling and Assaying	0.23
Tailings Storage	1.00
TOTAL	28.05

An additional component \$2.00/t has been added to the processing operating costs for the processing of primary ore.

5.4 PROCESSING PLANT FLOWSHEET

Figure 3: Mt Ida Gold Project – Processing Plant Flowsheet



6. POWER PLANT COST ESTIMATE

The power plant costings were derived by ALT personnel based from costings provided by independent contractors and suppliers utilizing FG Wilson, Allight Sykes and Genset Australia as suppliers of choice. A summary of the costings is as follows: -

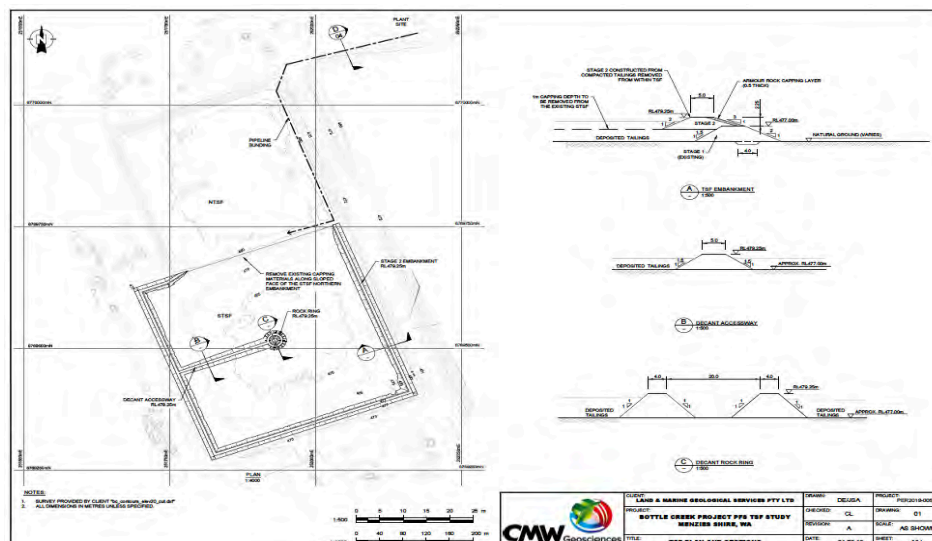
Table 10 – Mt Ida Gold Project – Power Plant Costings

COST CENTRE	UNIT COST	QUANTITY	TOTAL COST
Fuel Farm	300000	1	\$300,000.00
600kVA 480kW Generator	98000	6	\$588,000.00
Freight	6200	6	\$37,200.00
Installation	600	24	\$14,400.00
Earth Grid Rods	3000	4	\$12,000.00
Safety Guarding	260	80	\$20,800.00
Synchronisation Unit	18000	1	\$18,000.00
Electrical Cabling Genset to Switch Board	300	240	\$72,000.00
Power Shed 12 X 35m	300	420	\$126,000.00
Exhaust venting	1500	7	\$10,500.00
Slab 35x12x250mm	1200	66	\$79,200.00
Diesel feed plumbing System	12000	1	\$12,000.00
Diesel pump generator distribution	3500	2	\$7,000.00
Rolling Doors 6 x 6m	6000	3	\$18,000.00
Door Motors	1200	3	\$3,600.00
Lights and Power	300	48	\$14,400.00
Security perimeter fencing and access gates	500	200	\$100,000.00
			\$1,433,100.00
Contingency	10%		\$143,310.00
TOTAL			\$1,576,410.00

7. TAILINGS STORAGE FACILITY

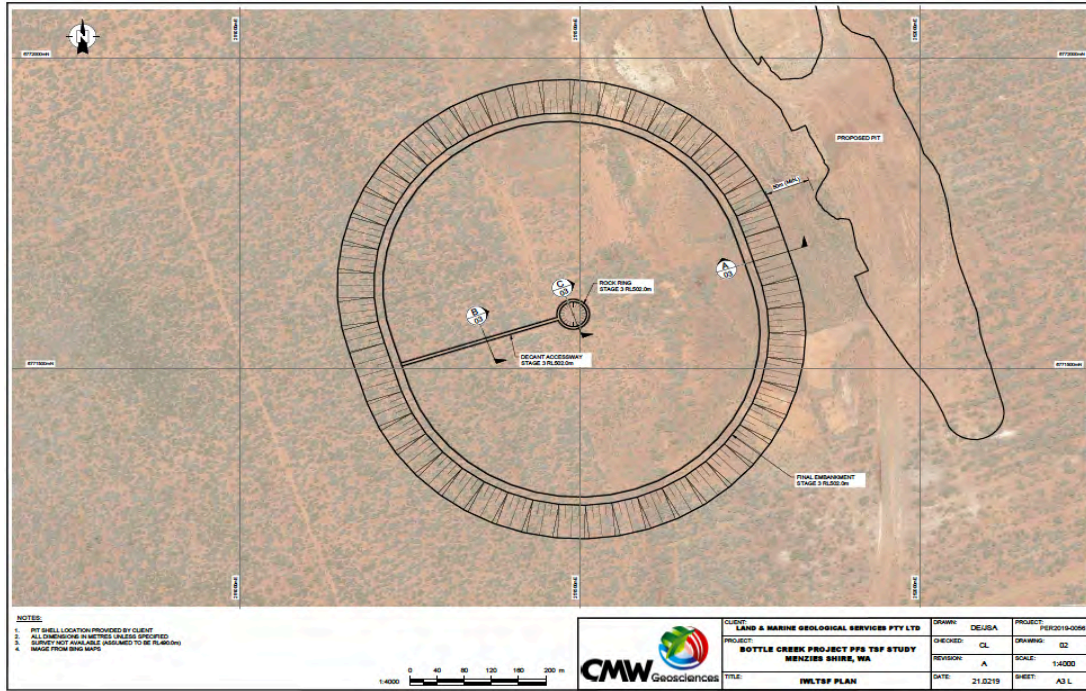
The TSF strategy is based upon depositing tailings into purpose built two stage tailings storage facilities. Stage 1 comprises of a Southern extension to the historical Norgold tailings storage facility.

Figure 4: Mt Ida Gold Project – Stage 1 Tailing Storage Facility



Stage 2 comprises of a newly constructed tailing storage facility located in proximity to the proposed Emu open pit, from which the construction material is to be sourced.

Figure 5: Mt Ida Gold Project – Stage 2 Tailing Storage Facility



8. LIFE OF MINE PRODUCTION TARGET

The Life of Mine (LOM) production target was focused on maximizing profitability from the optimised Whittle shells.

The Scoping Study produced a Mining Target of: -

Table 11 – Mt Ida Gold Project – Mining Target

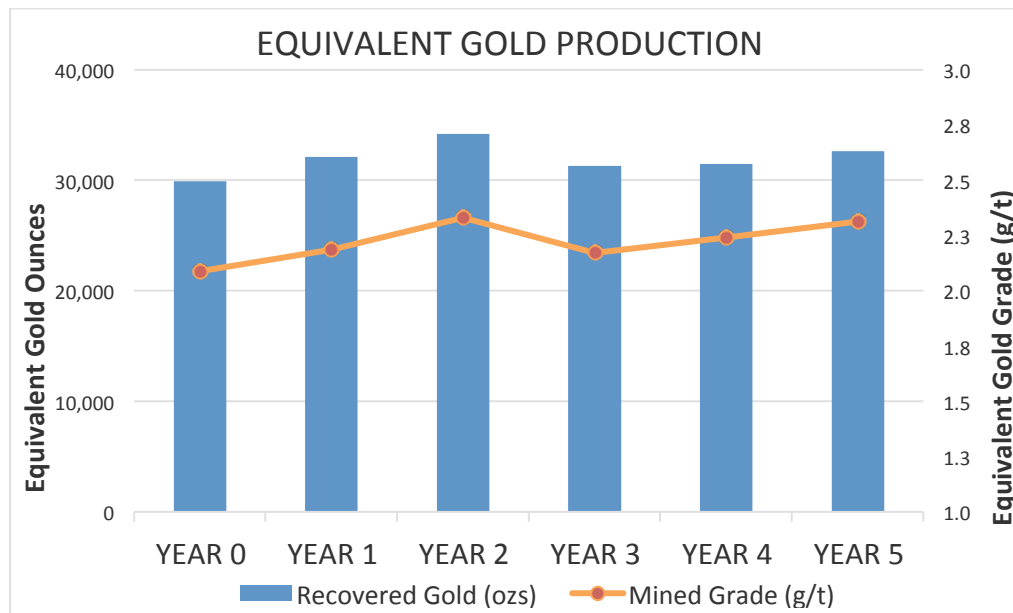
MINING	TOTAL	STRIPPING	MINED GOLD	MINED SILVER	AISC COST
TARGET	VOLUME	RATIO			PER OUNCE
2.98Mt @ 2.0g/t Au and 15.1g/t Ag	14.3Mbcm	8.9:1	196 (koz)	144.3 (koz)	1,134.00

A simplified, global scoping level production schedule based upon the Mining Target physicals has been completed for the Mt Ida Gold Project. The main constraint applied to the production schedule is the 500,000tpa capacity of the processing plant.

Table 12 – Mt Ida Gold Project – LOM Production Target Schedule

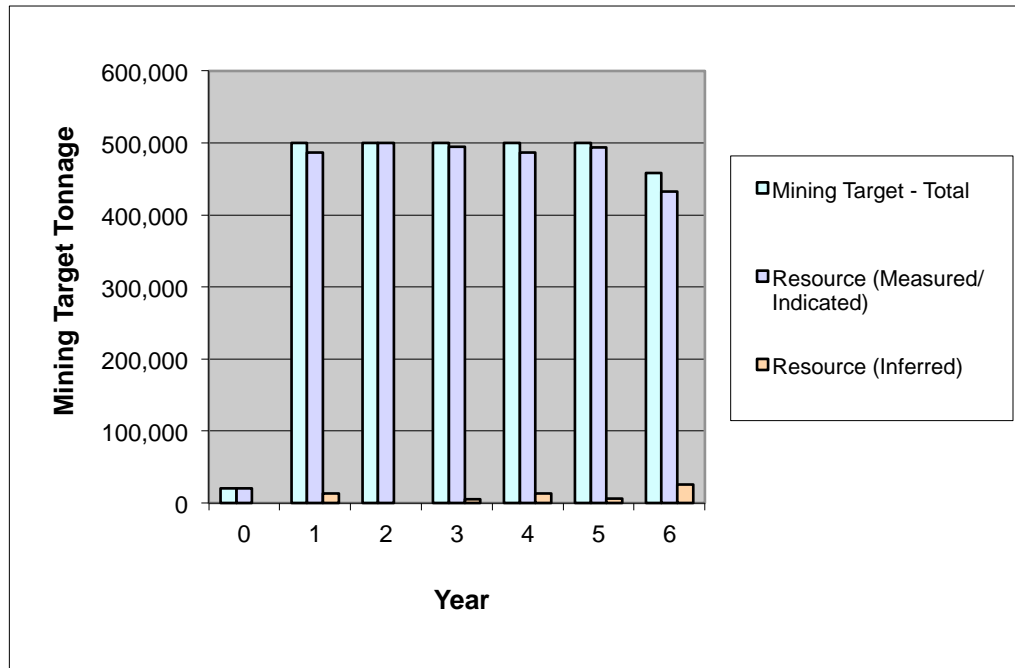
PHYSICALS	UNIT	YEAR 0	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6	TOTALS
Mined Volume - Total	(bcm)	200,000	2,800,000	3,200,000	3,200,000	2,500,000	1,600,000	806,817	14,306,817
Mined Tonnage - Ore	(t)	20,000	500,000	500,000	500,000	500,000	500,000	458,381	2,978,381
Mined Gold Grade	(g/t)	1.40	2.05	2.10	2.23	1.98	1.97	1.97	2.05
Mined Silver Grade	(g/t)	3.60	3.47	7.74	8.97	16.76	24.05	31.24	15.07
Processing Input Tonnage	(t)	0	500,000	500,000	500,000	500,000	500,000	478,381	2,978,381
Recovered Gold Ounces	(oz)	0	29,524	31,221	33,173	29,341	28,665	29,265	181,189
Recovered Silver Ounces	(oz)	0	36,258	80,848	93,682	175,105	251,256	300,566	937,715

Figure 6: Mt Ida Gold Project – LOM Production Target Ore Physicals



For the purpose of the Mining Target Estimate, the marginal cut-off grades were calculated by the Whittle optimisation analysis. The marginal cut-off grades are calculated based upon an assumed gold price and silver prices of A\$1,800/oz and A\$20/oz respectively, the applicable Western Australian State Government and 3rd Party Royalties, ore/waste cost differentials, processing and haulage costs and metallurgical recoveries.

Figure 7: Mt Ida Gold Project – LOM Production Target by Ore Resource Category



9. CAPITAL COSTS

Capital costs have been estimated as follows: -

Table 13 – Mt Ida Gold Project – Estimated Capital Costs

CAPITAL COSTS	UNIT	QUANTITY
Site Establishment	(A\$M)	1.5
Power Plant Construction	(A\$M)	1.6
Processing Plant Construction	(A\$M)	14.6
Tailings Dam Construction	(A\$M)	2.0
Sustaining Capital	(A\$M)	4.5
Working Capital	(A\$M)	5.8
TOTAL	(A\$M)	30.0

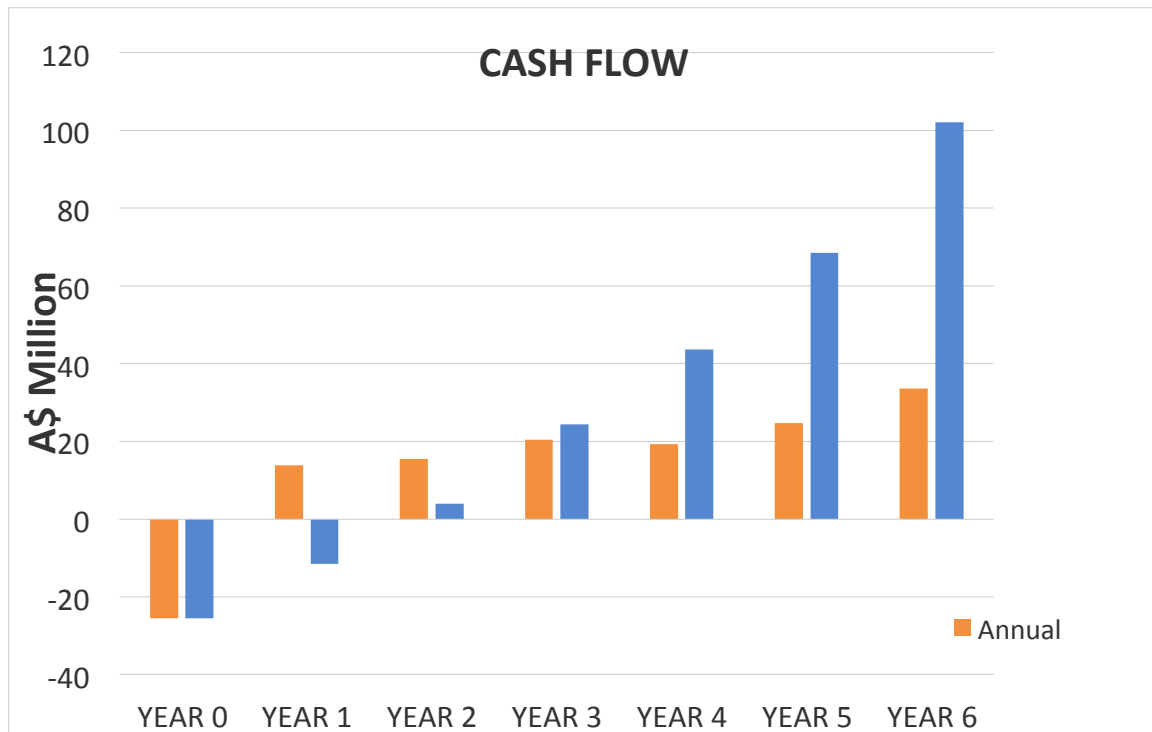
10. FINANCIAL ANALYSIS

A simplified financial analysis was undertaken on the Mt Ida Gold Project Mining Target using cost inputs provided by ALT and work undertaken for this mining study. Upfront capital of A\$19.7M was included in the financial analysis to account for the construction of the processing plant and TSF and other Project start-up costs. Sustaining capital, working capital and contingency costs totalling A\$10.3M were also included.

Table 14 – Mt Ida Gold Project – LOM Financial Analysis

FINANCIALS	UNIT	YEAR 0	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6	TOTALS
Capital Costs	(A\$M)	23.5	1.9	1.9	0.8	0.8	0.8	0.3	30.0
Mining Cost	(A\$M)	1.2	16.3	18.6	18.6	14.5	9.3	4.7	83.3
Grade Control Cost	(A\$M)	0.0	1.0	1.0	1.0	1.0	1.0	0.9	6.0
Haulage and Processing Cost	(A\$M)	0.6	15.2	15.2	15.2	15.2	15.2	14.0	90.7
General and Administration Cost	(A\$M)	0.2	2.9	2.9	2.9	2.9	2.9	2.6	17.0
Royalties	(A\$M)	0.0	2.6	2.6	2.6	2.6	2.6	2.5	15.7
Total Costs		25.5	39.9	42.3	41.2	37.1	31.8	25.0	242.7
Revenue	(A\$M)	0.0	53.9	57.8	61.6	56.3	56.6	58.7	344.9
Cashflow	(A\$M)	-25.4	13.9	15.6	20.4	19.2	24.8	33.7	102.2

Figure 8: Mt Ida Gold Project – LOM Production Target Financials



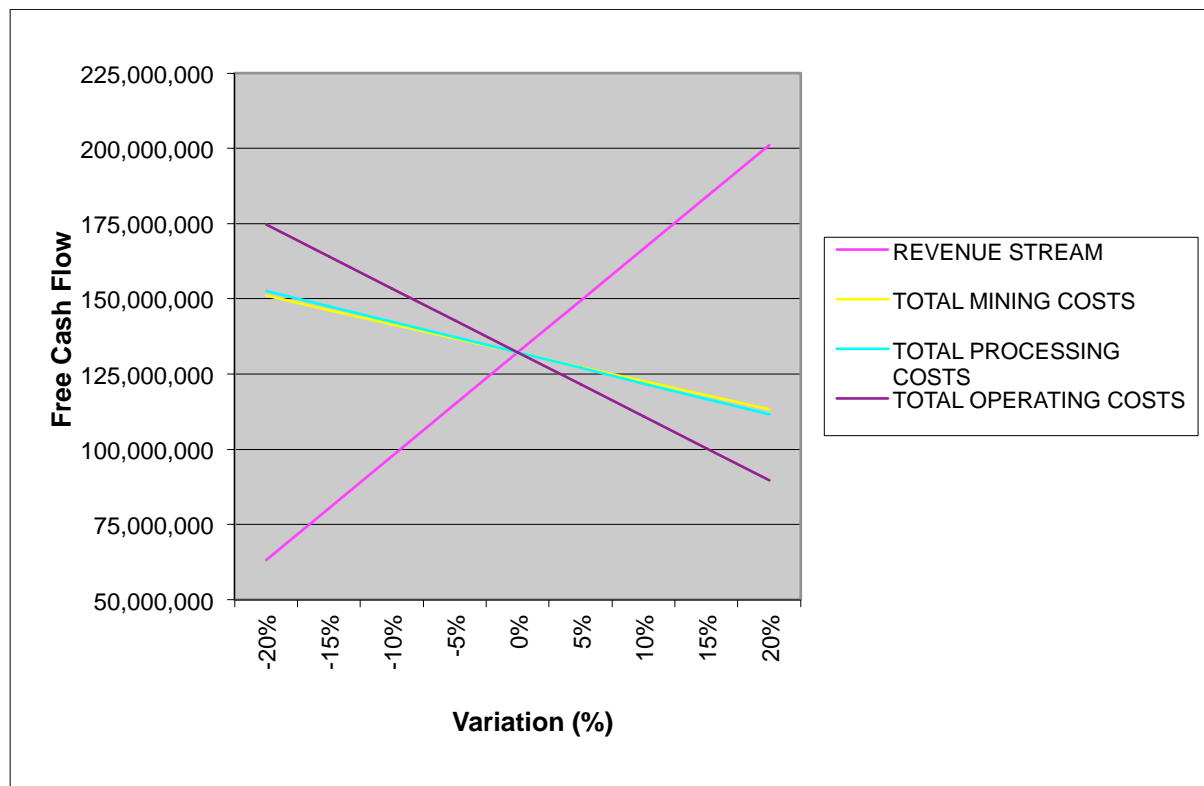
11. SENSITIVITY ON MATERIAL ASSUMPTIONS

A series of optimisation analyses, testing Mining Target sensitivity to Gold Price were performed by Minecomp using a financial model developed for contractor operated mining and ore haulage and owner operated ore processing.

Further sensitivity testing was performed on the Mining Target. The parameters tested for sensitivity were:-

- Revenue Stream (Gold and Silver Price, Metallurgical Recovery or Both)
- Total Operating Costs
- Total Processing Costs
- Total Mining Costs

Figure 9: Mt Ida Gold Project – Mining Target Sensitivity (Exclusive of Capital)



12. PERMITTING REQUIREMENTS

The Mineral Resources covered by this Scoping Study are located on approved mining leases.

No mining proposals have been submitted to the Western Australian Department of Mines, Industry, Regulation and Safety (DMIRS), however ALT has commenced work towards the submission of the applications for these proposals.

13. KEY RISKS AND OPPORTUNITIES

Key risks identified during the Scoping Study work include, but are not limited to:

- Access to project funding;
- Adverse movements in the United States gold price;
- Adverse movements in the USD:AUD exchange rates; and
- Not achieving the processing production rates and metallurgical recovery rates.
- Higher than estimated mining dilution.

Key opportunities identified during the PFS work include, but are not limited to:

- Achieving higher mill throughput rates.
- Improved metallurgical recovery and
- Expansion of the resource base via exploration success and/or acquisitions.

COMPETENT PERSONS STATEMENTS

The Bottle Creek Mineral Resource (Emu, Southwark, Boags and VB) was compiled by Mr. Stephen Hyland, a Competent Person and Fellow of the AusIMM, and is Principal Consultant Geologist with Hyland Geological and Mining Consultants (HGMC). Mr. Hyland also holds the relevant qualifications and experience as a qualified person for public reporting according to the JORC Code of Australia. Mr. Hyland is also a Qualified Person under the rules and requirements of the Canadian Reporting Instrument NI43-101. Mr. Hyland consents to the inclusion in this report of the information in the form and context in which it appears.

The Mt Ida Mineral Resources is based upon and fairly represents information and supporting documentation compiled by or under the supervision of Mr. Michael Edwards, a Competent Person who is a member of the Australian Institute of Geoscientists (AIG). Mr. Edwards has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 editions of the Australian Code for Reporting Mineral Resources and Ore Reserves.

The Information in this Report that relates to Mining Target is based on information compiled by Mr. Gary McCrae, a Competent Person who is a Member of the Australasian Institute of Mining and Metallurgy. Mr. McCrae is a full-time employee of Minecomp Pty Ltd. Mr. McCrae has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves”. Mr. McCrae consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Appendix 1: Forward Looking and Statements

Some statements in this announcement regarding estimates or future events are forward looking statements. They include indications of, and guidance on, future earnings, cash flow, costs and financial performance. Forward looking statements include, but are not limited to, statements preceded by words such as “planned”, “expected”, “projected”, “estimated”, “may”, “scheduled”, “intends”, “anticipates”, “believes”, “potential”, “could”, “nominal”, “conceptual” and similar expressions. Forward looking statements, opinions and estimates included in this announcement are based on assumptions and contingencies which are subject to change without notice, as are statements about market and industry trends, which are based on interpretations of current market conditions.

Forward looking statements are provided as a general guide only and should not be relied on as a guarantee of future performance. Forward looking statements may be affected by a range of variables that could cause actual results to differ from estimated results, and may cause the Company’s actual performance and financial results in future periods to materially differ from any projections of future performance or results expressed or implied by such forward looking statements. These risks and uncertainties include but are not limited to liabilities inherent in mine development and production, geological, mining and processing technical problems, the inability to obtain any additional mine licenses, permits and other regulatory approvals required in connection with mining and third party processing operations, competition for among other things, capital, acquisition of reserves, undeveloped lands and skilled personnel, incorrect assessments of the value of acquisitions, changes in commodity prices and exchange rate, currency and interest fluctuations, various events which could disrupt operations and/or the transportation of mineral products, including labour stoppages and severe weather conditions, the demand for and availability of transportation services, the ability to secure adequate financing and management’s ability to anticipate and manage the foregoing factors and risks. There can be no assurance that forward looking statements will prove to be correct.

This announcement has been prepared in compliance with the JORC Code (2012) and the ASX Listing Rules. The Company has concluded it has a reasonable basis for providing the forward looking statements included in this announcement, including with respect to any production targets and financial estimates, based on the information contained in this announcement. This announcement has been prepared by ALT Resources Limited. This document contains background information current at the date of this announcement. The announcement is in summary form and does not purport to be all-inclusive or complete. Recipients should conduct their own investigations and perform their own analysis in order to satisfy themselves as to the accuracy and completeness of the information, statements and opinions contained in this announcement.

The announcement is for information purposes only. Neither this announcement nor the information contained in it constitutes an offer, invitation, solicitation or recommendation in relation to the purchase or sales of shares in any jurisdiction. The announcement may not be distributed in any jurisdiction except in accordance with the legal requirements applicable in such jurisdiction. Recipients should inform themselves of the restrictions that apply to their own jurisdiction as a failure to do so may result in a violation of securities laws in such jurisdiction.

This announcement does not constitute investment advice and has been prepared without considering the recipients investment objectives, financial circumstances or particular needs and the opinions and recommendations in this announcement are not intended to represent recommendations of particular investments to particular persons.

Recipients should seek professional advice when deciding if an investment is appropriate. All securities transactions involve risks, which include (among others) the risk of adverse or unanticipated market, financial or political developments. To the fullest extent of the law, the Company, its officers, employees, agents and advisors do not make any representation or warranty, express or implied, as to the currency, accuracy, reliability or completeness of any information, statements, opinion, estimates, forecasts or other representations contained in this announcement. No responsibility for any errors or omissions from the announcement arising out of negligence or otherwise is accepted.

Appendix 3 Material Assumptions Used in Mt Ida Scoping Study

Item	Criteria	Commentary
1	<i>Mineral Resource estimate used for assessment of potential Production Target</i>	<ul style="list-style-type: none"> No Ore Reserves are estimated as part of the Mt Ida Scoping Study. For the purposes of this Scoping Study, the Mineral Resource Estimate (MRE) as published in the ASX announcements dated 8 April 2019 and 7 May 2019 have been used. These estimates were prepared by a Competent Persons in accordance with the JORC Code, 2012 Edition.
2	<i>Parties participating in the Scoping Study and site visits</i>	<ul style="list-style-type: none"> The following parties have provided input to this Scoping Study: <ul style="list-style-type: none"> Minecomp Pty Ltd coordinated the mining study work and the compilation of the economic model for the project. Minecomp were engaged as an independent consultant by ALT to assist with the Scoping Study. Timora Pty Ltd coordinated the capital and operating cost estimate work for the ore processing facility. AMML coordinated the metallurgical study work. AMML were engaged as an independent consultant by ALT to assist with the Scoping Study. Power plant costings were co-ordinated by ALT.
3	<i>Study status</i>	<ul style="list-style-type: none"> The type and level of study is a Scoping Study as defined in Section 38 of the JORC Code, 2012 Edition. The Scoping Study has not been used to convert Mineral Resources to Ore Reserves. Modifying Factors based on information currently available have been applied to the Scoping Study.
4	<i>Cut-off parameters used in potential mine analysis</i>	<ul style="list-style-type: none"> Cut-off grades were determined by Whittle optimisation software. The following inputs were used to estimate revenue per gram of gold and silver produced: <ul style="list-style-type: none"> Gold price: A\$1,800/oz Silver price A\$20/oz Gold metallurgical recovery (between 88% for primary, 93% for oxidised) Silver metallurgical recovery (65%) 2.5% WA State Royalty payable on gold and silver 2.5% 3rd Party Royalty payable on Bottle Creek gold only: The following inputs were used to estimate operating cost per tonne of ore treated, for potential open pit and underground mines: <ul style="list-style-type: none"> Mining cost Processing cost Other royalty charges General & administration costs
5	<i>Mining factors or assumptions used in the Scoping Study</i>	<ul style="list-style-type: none"> No conversion of the Mineral Resource to Ore Reserves. The Mineral Resource models were factored to incorporate mining dilution and ore loss during optimisation and evaluation processes. Mining method is conventional open-pit with drill and blast, excavate, load and haul. The ore zone geometry coupled with the low stripping ratio indicate that the Mt Ida Gold Project is most suited to mining by conventional open pit mining methods. An external geotechnical report provided pit slopes and recommended inputs for optimisation. No minimum widths were utilised. Inferred Resources were included in the Scoping Study Further geotechnical investigation and assessment will be completed as the study work progresses. Geological drilling: No further drilling is required to infill the drill spacing to improve the confidence of the Mineral Resource Estimates. All Mineral Resource categories have been included in the mining study work. Infrastructure: The Scoping Study considers the provision of all necessary infrastructures to facilitate the mining activities proposed including mining, processing, power, office and workshop infrastructure.
6	<i>Metallurgical factors or assumptions used in the Scoping Study</i>	<ul style="list-style-type: none"> Processing will be using conventional CIP methods and is a tried and tested means of gold extraction from material of this nature. Gold metallurgical recoveries of 88% for primary and 93% for oxidised were used

Item	Criteria	Commentary
		<p>for the Bottle Creek ore.</p> <ul style="list-style-type: none"> Gold metallurgical recovery of 92% for oxidised ore was used for the Satellite pit ore regardless of oxidation level. Silver metallurgical recovery of 65% was used for all the Bottle Creek ore. Metallurgical recoveries for Bottle Creek oxidised ore was based upon metallurgical test work. All other metallurgical recoveries were estimates based upon recoveries achieved for similarly hosted ore types. Further metallurgical test work and process design studies will be completed as study work progresses to understand whether improvements can be made to metallurgical recoveries. No deleterious elements are present. No bulk sample test work has been carried out except for open pits.
6	<i>Environmental</i>	<ul style="list-style-type: none"> The Mt Ida Gold Project area is a brownfields site and as such there is not expected to be any environmental impacts of significance as a result of the proposed mining and processing operation. Previously disturbed areas will be preferentially used for establishing infrastructure where possible. All proposed mining areas lie within granted Mining Leases which offer ample area for infrastructure establishment. As a component of statutory approval and permitting applications it is expected that flora and fauna surveys as well as surface water and groundwater studies will be required to be completed. Statutory approval and permitting applications will include DMIRS Mining Proposal and DWER Works Approval and there will be a requirement to update DWER Groundwater Operating Strategy documents and related licences. Waste rock is typically non-acid forming. Tailings will be stored on site.
8	<i>Infrastructure</i>	<ul style="list-style-type: none"> The Mt Ida Gold Project is located ~90km north-west of Menzies and 220km north of Kalgoorlie. The satellite pits mining areas are located between 5 and 20km of Bottle Creek. Kalgoorlie is within a 120 minutes drive from the site via 90km of unsealed road and 120km of the sealed Goldfields Highway. Bottle Creek has its own unsealed airstrip. Current infrastructure at site is minimal and consists of access roads and tracks. New infrastructure required for the proposed operation includes: <ul style="list-style-type: none"> Mining Processing Power Office and workshop Accommodation and flights will use established facilities at Leonora. All proposed mining areas lie within granted Mining Leases which offer ample area for infrastructure establishment which is easily accessed by existing roads and tracks.
9	<i>Capital and operating costs</i>	<ul style="list-style-type: none"> Capital cost estimates have been derived by ALT in consultation with Minecomp for mine related and TSF capital costs and Timora for process plant capital costs. Cost estimates are based on conceptual designs for mines, process plant and site non-process infrastructure and a combination of budget quotations, factored estimates and cost data from similar operations/projects. The derivation of cost estimates is considered reasonable for Scoping Study purposes. Operating cost estimates have been derived by Minecomp for mining costs, Timora for processing costs and ALT in consultation with Minecomp for general and administration costs. Mining cost estimates have been developed from cost data held by Minecomp for similar operations/projects. Processing costs estimates have been provided by Timora The total operating cost estimate has been consolidated by Minecomp. There are no costs relating to deleterious elements. It is assumed that all costs will be denominated in A\$ and will not be impacted by movements in exchange rates. Haulage costs: No specific allowance has been made for transportation of gold

Item	Criteria	Commentary
		<p>bullion from the site to the Perth Mint.</p> <ul style="list-style-type: none"> Refining costs: No specific allowance has been made for refining. The following royalties are applicable to the project and have been allowed for in the Scoping Study: <ul style="list-style-type: none"> A 2.5% royalty on revenue applicable to gold and silver mining operations is payable to the Western Australian government. A 2.5% Net Smelter Return 3rd Party Royalty is payable on gold produced from the Bottle Creek area.
10	Revenue factors	<ul style="list-style-type: none"> For Scoping Study purposes, it has been assumed that gold and silver doré will be sold at spot price to the Perth Mint, Western Australia. A gold price of A\$1,800 per ounce for gold and A\$20/oz for silver have been used for Scoping Study economic modelling.
11	Project Funding	<ul style="list-style-type: none"> ALT has been able to raise funding for its exploration over the past years in order to progress its projects. Over the past two (2) years the Company has raised \$7.85 million. These raisings indicate a clear base of support from existing shareholders and third-party investors. The Company considers it will be able to raise funding for the next stage of the Project, which will advance the Project to the maiden ore reserve statement and feasibility studies. Additionally the Company is planning to commence early stage toll treatment mining operations at the Tim's Find project. The positive outcomes delivered by the Scoping Study provide confidence to the Board in the ability of the Company to fund the development capital through conventional debt and equity financing. A mix of debt and equity is the most likely funding model so 100% of the capital expenditure will not need to be borrowed. ALT has held discussions with potential debt providers, mining contractors and corporate advisors regarding the ability to secure funding for the Project. The Board has a strong financing track record in funding start up mining operations, and in their view it is reasonably expected that when the project parameters in this Scoping Study are met, that funding will be able to be arranged. ALT believes that its funding opportunities will be improved at the completion of the Feasibility Study as a result of: <ul style="list-style-type: none"> confidence in the possibility to increase the Ore Reserve and Mineral Resource Estimates that would serve to improve the mine life of the Project]; confirmation of earlier metallurgical test work to support, optimise and potentially improve recoveries; and finalisation of further engineering studies to improve the accuracy of the assessed capital and operating costs. The funding models being considered will depend on the outcomes of the Feasibility Study, but as set out above will likely be conventional debt and equity financing, but may include convertible notes, gold streaming, prepayment of royalties and other options for projects of a similar nature. The raising of equity by ALT may be dilutive to existing shareholders, but that will depend on the price at which the then funding is completed. Where the market capitalisation of ALT is low as against the amount of equity that is required to be raised at the time, there is a high likelihood that shareholders will be substantially diluted. This is to be balanced against the reasonable expectation of ALT that as the Project becomes more advanced, the value of ALT is more likely to increase, resulting in the actual dilution to existing shareholders being less. The reality is that in this case, although the percentage holding of each shareholder will be reduced, the value of that holding will be assessed against a company that is anticipated to have a higher market capitalisation at the time of the raising.
12	Market assessment of gold price	<ul style="list-style-type: none"> There is a transparent, quoted market for the sale of gold and silver.
13	Economic evaluation	<ul style="list-style-type: none"> There has been no NPV or IRR calculated for the Scoping Study.
14	Social	<ul style="list-style-type: none"> All proposed mining and infrastructure areas lie within granted Mining Leases. There are no Native Title claims pending over the Mt Ida Gold Project area. The project area is located within the boundary of the Riverina Pastoral Lease, owned and operated by Zenith Australia Investment Holding Pty Ltd.
16	Other	<ul style="list-style-type: none"> Naturally occurring risks: Flooding as a result of rainfall events is the main material naturally occurring risk. Flooding has the potential to restrict access to and around the site. Adequate flood protection bunds, diversion drains and other flood

Item	Criteria	Commentary
		<p>protection methods will be incorporated in to surface designs around open pits where required.</p> <ul style="list-style-type: none"> • As the Mt Ida Gold Project area is a brownfields site with historical mining dating back to 1988, there are reasonable grounds to expect that Government approvals will be received when required upon successful completion of a Feasibility Study. • Government approvals required to advance the project include DMP Mining Proposal, DER Works Approval, DMP Project Management Plan and amendments to existing Groundwater Licences and supporting documentation as applicable. Given that such approvals have been granted to previous operators in recent history, there is no reason to suggest that approvals will not be granted once again. • There are currently no unresolved matters relating to a third party that would prohibit project development, should that be the decision resulting from completion of further study work.
16	<i>Classification of Ore Reserves</i>	<ul style="list-style-type: none"> • Not applicable as no Ore Reserves at Scoping Study level.
17	<i>Ore Reserve Audits or reviews</i>	<ul style="list-style-type: none"> • Not applicable as no Ore Reserve estimate made.
18	<i>Discussion of relative accuracy/confidence</i>	<ul style="list-style-type: none"> • No Ore Reserve estimate has been completed as a result of the Scoping Study. • Metallurgical recoveries have been based on test work data. • Costs have been estimated by independent consultants generally from budget quotations, factored estimates or cost data from similar operations/projects. • Cost estimates for the Scoping Study is considered to be in the order of $\pm 35\%$.