



Rover 1

2022 Pre-Feasibility Study Outcomes



PRE-FEASIBILITY STUDY
PRESENTATION
DECEMBER 2022
castile.com.au

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COMPETENT PERSONS STATEMENTS

The information in this report that relates to Exploration Results and Mineral Resources and Exploration Data is based on, and fairly and accurately represents, information and supporting documentation compiled by Mr. Jake Russell B.Sc. (Hons) MAIG and Mr Mark Savage who each have sufficient experience which is relevant to the styles of mineralisation, the types of deposit under consideration and to the activities 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 (JORC 2012)". Mr Russell is a Member of the Australian Institute of Geoscientists and is a Director of Castile Resources Limited and is eligible to and may participate in any short-term and long-term incentive plans of the Company as disclosed in its annual reports and disclosure documents. Mr Savage is a Member of The Australasian Institute of Mining and Metallurgy and a full-time employee of Castile. Mr Russell and Mr Savage each consent to the inclusion in this report of the matters based on this information in the form and context in which it appears.

The information in this report that relates to Ore Reserves is based on, and fairly and accurately represents, information and supporting documentation prepared by Michael Poepjes. Mr Poepjes is a full-time employee of Castile Resources, and a Member of The Australasian Institute of Mining and Metallurgy. Mr Poepjes has sufficient experience which 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, Exploration Targets, Mineral Resources and Ore Reserves. Mr Poepjes consents to the inclusion in the report of the matters based on the results in the form and context in which they appear

The information contained in this report that relates to metallurgical results is based on, and fairly and accurately represent the information and supporting documentation prepared by Damian Connelly. Mr Connelly is a full-time employee of METS Engineering who are a Contractor to Castile, and a Fellow of The Australasian Institute of Mining and Metallurgy. Mr Connelly has sufficient experience which 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, Exploration Targets, Mineral Resources and Ore Reserves. Mr Connelly consents to the inclusion in the report of the matters based on the results in the form and context in which they appear.

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PREVIOUSLY REPORTED INFORMATION

This presentation refers to information previously announced to the ASX, including mineral resource estimates, ore reserves and exploration results announced to the ASX on 12 February 2020 in its Prospectus dated 3 December 2019, and exploration results announced to the ASX on 14 and 20 October 2020 and also on 2 November 2020 and ASX:CST Announcement 26 November 2020 "Castile Resources Drilling Program Update" and ASX Announcement 24 May 2021 "High Grade Gold and Copper Results in Drilling at Rover 1", ASX Announcement 2 June 2021 "30g/t Gold and 4% Copper In Assays From Rover 1", ASX Announcement 29 June 2021 "Latest Hits Expand High Grade Gold Zone at Rover 1", ASX:CST August 23, 2021 "More Bonanza Gold Hits Expand Rover 1", ASX:CST August 30, 2021 "Spectacular Copper Hits at Rover 1", September 3, 2021 "ASX:CST Outstanding Metallurgical Results from Rover 1", ASX:CST October 12, 2021 "Castile Resources Drilling Program Update" and ASX:CST November 19 2021 "Additional Environmentally Sustainable Product at Rover 1", ASX:CST 4 March 2022 "Outstanding Recoveries in Gold, Copper and Cobalt at Rover 1" ASX:CST 8 March 2022 "Large Increases in Gold, Copper and Cobalt at Rover 1" ASX:CST 20 April 2022 "Another By-product And Revenue Stream For Rover 1" ASX:CST 4 July 2022 New High Grade Gold Zone Discovered At Rover 1" ASX:CST: 7 July 2022 Rover 1 PFS and Field Activities Update, ASX:CST 18 July 2022 "Rover 4 Drilling Completion And Activities Update", ASX:CST 18 July 2022 Untested Off-Hole Conductor Identified at Explorer 142 ASX:CST 22 July 2022 "Amended – More Copper From Expanded IOCG At Jupiter Deeps" ASX:CST 5 December 2022 Rover 1 Preliminary Feasibility Study Outcomes

The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements or this presentation, and that all material assumptions and technical parameters underpinning the mineral resource estimates and ore reserves continue to apply and have not materially changed.

This presentation was released on 5 December 2022 and was authorised for release by the Board of Castile Resources Limited – Level 7, Ashton Chambers, 189 St Georges Terrace, Perth WA 6000.

PRE-FEASIBILITY STUDY

PRESENTATION

DECEMBER 2022

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ROVER 1 PRE-FEASIBILITY STUDY OUTCOMES



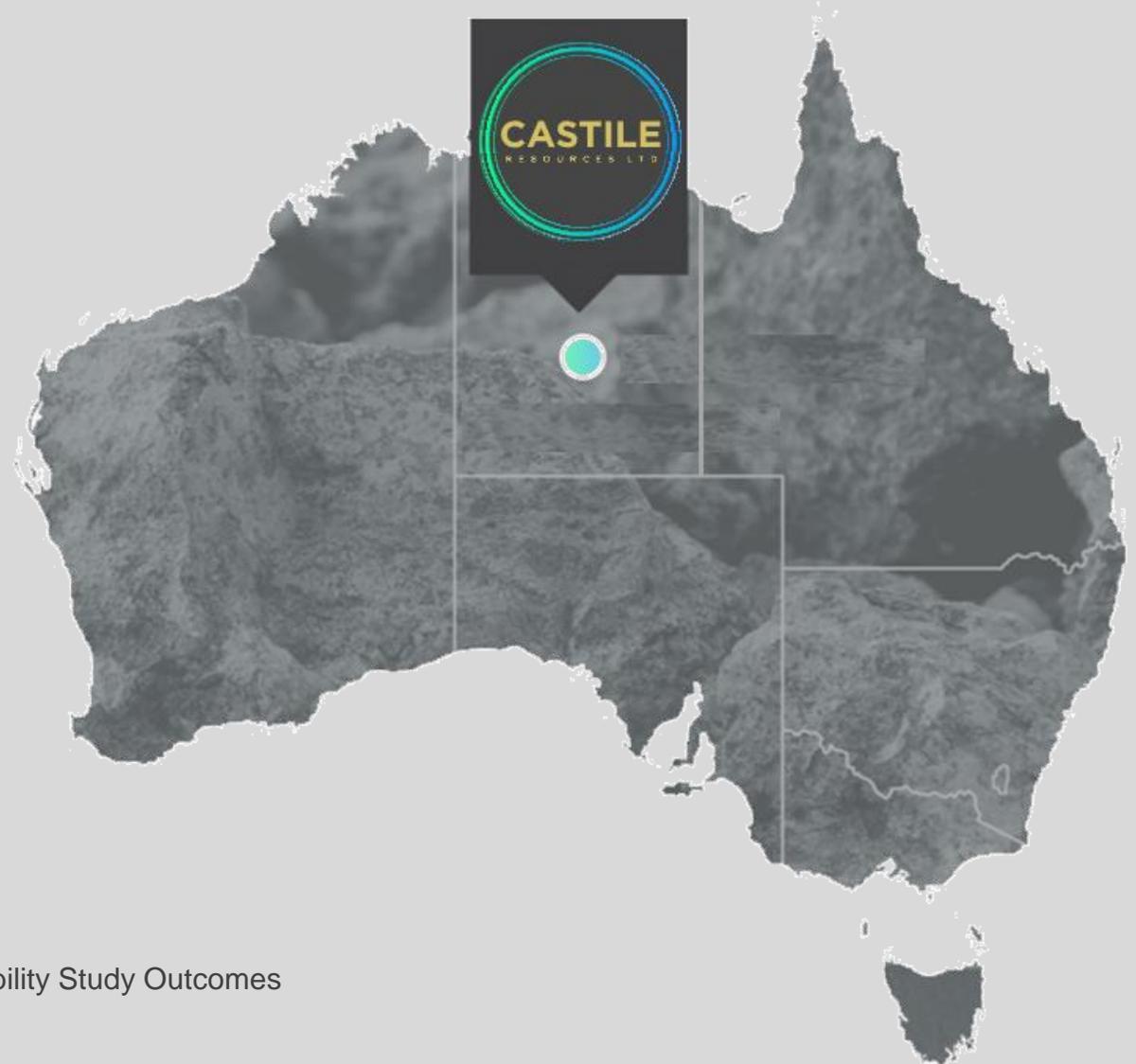
**ROVER 1
PRE-TAX NPV^{6.5%}
A\$451.4M**



**DOWNSTREAM
PRECIOUS & CRITICAL
METALS PRODUCED IN
AUSTRALIA**



**SUSTAINABLE
DEVELOPMENT FOR
THE DECARBONISED
FUTURE**





Commodity Price Assumptions Used in the Rover 1 PFS

Copper \$US4.25/lb

Gold \$US1,770/oz

Cobalt price \$US60,000/t

96.5% Magnetite \$US234.50/t

Exchange rate of \$US:\$AUD of \$0.67

The Rover 1 Preliminary Feasibility Study Team

- Study Compilation Castile
- Geology and Resource Estimation Castile and Cube Consulting
- Geotechnical Mining One
- Mining Engineering Design and Scheduling Castile
- Mine Costing Castile
- Metallurgical Testwork METS Engineering and ALS Labs
- Process Engineering MACA Interquip
- Process Engineering Sedgman Pty Ltd
- Tailing Storage Design Castile
- Power Supply Castile
- Environment EcOz
- Heritage and Native Title Castile
- Health and Safety Castile
- Financial Modelling Castile
- Waste Rock Characterisation EGi
- Hydrology Groundwater Enterprises
- Industrial Magnetite Market Analysis Stratum Resources



ROVER 1 – SURROUNDING INFRASTRUCTURE



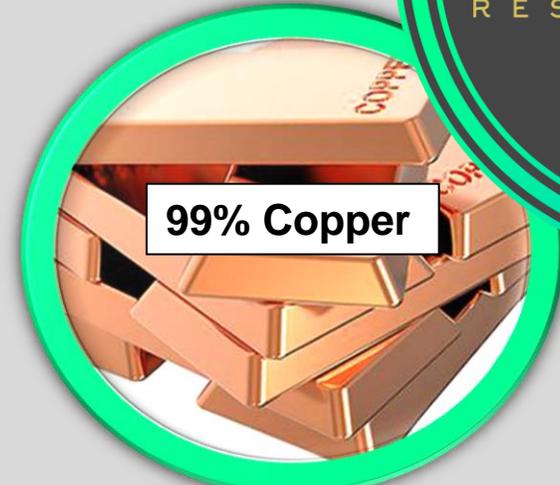
PRECIOUS & CRITICAL MINERAL DOWNSTREAM PRODUCTS PRODUCED ON SITE

A circular inset image showing a piece of bright yellow gold dore, which is a high-purity form of gold.

Gold Dore

A circular inset image showing a pile of bright blue powder, identified as 99% cobalt.

99% Cobalt

A circular inset image showing several copper cathodes, which are rectangular blocks of refined copper metal.

99% Copper

A circular inset image showing a pile of dark, lustrous magnetite powder.

96.4% Magnetite



KEY OPERATING AND FINANCIAL OUTCOMES

Project Economics	PFS Outcome \$A
Total Revenue	\$1,943.6M
Project Operating Costs	\$827.7M
Project Cash Flow	\$1,115.9M
NPV _{6.5%} (Pre-tax)	\$451.5M
IRR _(Pre-tax)	45.9%
NPV _{6.5%} (Post-tax)	\$293.2M
NT Govt & Other Royalties	\$93.0M
Pre-Production CAPEX (inc. Processing Plant)	\$279.5M (\$160.7M)
Sustaining CAPEX	\$57.1M
Underlying Mine Profit	\$686.4M
Pay-back Period (Post-tax)	2 years, 7 months

EQUIVALENCIES

At the nominated commodity price assumptions used in the PFS:

The average annual production in Gold equivalent is:

85,400ozpa of AuEq

AISC of A\$1,330/oz (US\$891/oz)

Gold ounces = Total Revenue / Gold Price (ASX :CST refer to Section 3 Equivalent "Metal Equivalent" ASX:CST on 5 December 2022 "Rover 1 Pre-Feasibility Study Outcomes"

The average annual production in Copper equivalent is:

16,100tpa of CuEq at an AISC of A\$7,030/t (US\$4,710/t or US\$2.13/lb)

Copper Equivalent tonnes = Total Revenue / Copper Price (refer to Section 3 Metal Equivalent ASX:CST on 5 December 2022 "Rover 1 Pre-Feasibility Study Outcomes"



ROVER 1 MINERAL RESOURCE ESTIMATE

Class	Tonnes (Mt)	Au (g/t)	Cu (%)	Co (%)	Fe ₃ O ₄ (%)	Au (oz)	Cu (t)	Co (t)	Fe ₃ O ₄ (t)
Indicated	3.97	1.83	1.59	0.07	23.64	233,800	63,100	2,900	938,000
Inferred	1.61	1.57	1.25	0.07	22.13	81,400	20,100	1,100	357,000
Total	5.58	1.76	1.49	0.07	23.20	315,200	83,200	4,000	1,295,000

ROVER 1 ORE RESERVE

Class	Tonnes (Mt)	Au (g/t)	Cu (%)	Co (%)	Fe ₃ O ₄ (%)	Au (oz)	Cu (t)	Co (t)	Fe ₃ O ₄ (t)
Probable	3.11	2.02	1.52	0.07	22.92	201,800	47,400	2,200	713,300
Total	3.11	2.02	1.52	0.07	22.92	201,800	47,400	2,200	713,300



TOTAL MATERIAL EXTRACTED & PROCESSED IN THE PFS

	Tonnes (Mt)	Au (g/t)	Cu (%)	Co (%)	Fe ₃ O ₄ (%)	Au (oz)	Cu (t)	Co (t)	Fe ₃ O ₄ (t)
Probable Ore Reserve	3.11	2.02	1.52	0.07	22.92	201,800	47,400	2,200	713,300
Inferred Mineral Resource*	1.20	1.75	1.17	0.07	20.78	67,800	14,000	800	250,000
Total	4.31	1.94	1.42	0.07	22.33	269,600	61,400	3,100	963,400

PRODUCTION SUMMARY FROM THE PFS

Production Summary	Units	Average Annual Production	Life Of Project
Total Ore Mined	(t Ore)	500,000t	4,315,000t
Gold	(oz Au)	28,700oz Au	252,300oz Au
Copper	(t Cu)	6,900t Cu	58,600t Cu
Cobalt	(t Co)	300t Co	2,600t Co
Magnetite	(t Fe₃O₄)	75,300t Fe₃O₄	652,000t Fe₃O₄

*Inferred Mineral Resource has been modified with the same factors as the Probable Ore Reserve. Refer to Section 5 Ore Reserve ASX:CST on 5 December 2022 "Rover 1 Pre-Feasibility Study Outcomes"



CAPITAL EXPENDITURE

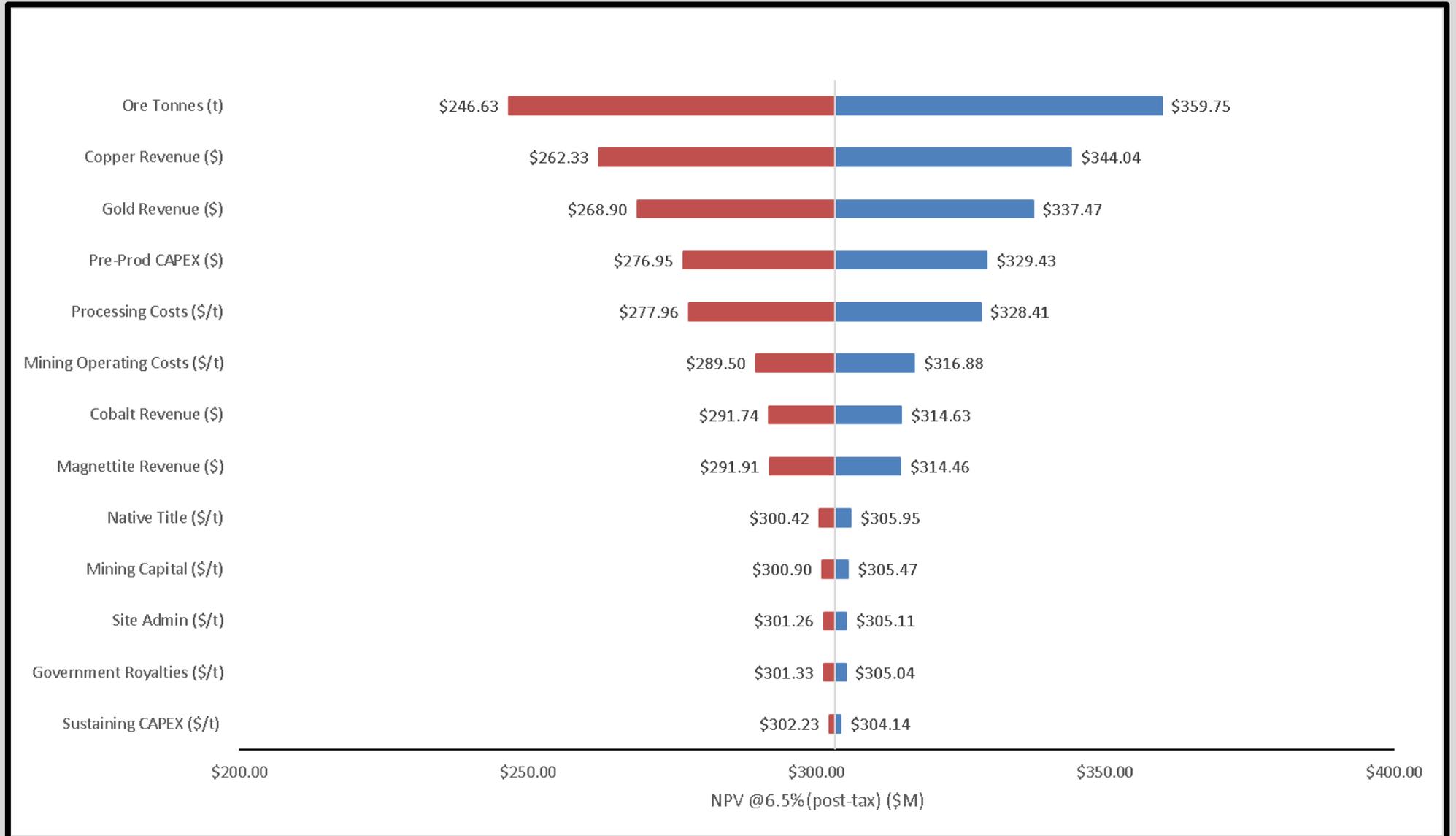
Project Development Capital Expenditure \$A	
Mine Infrastructure	\$25.8M
Process Plant	\$160.7M
Surface Infrastructure	\$29.7M
Sub-Total	\$216.2M
Contingency	\$21.6M
Total	\$237.8M
Pre-Production Mining Costs	\$41.7M
Total	\$279.5M

Castile Resources - Supporting School Sport in the Barkly Region



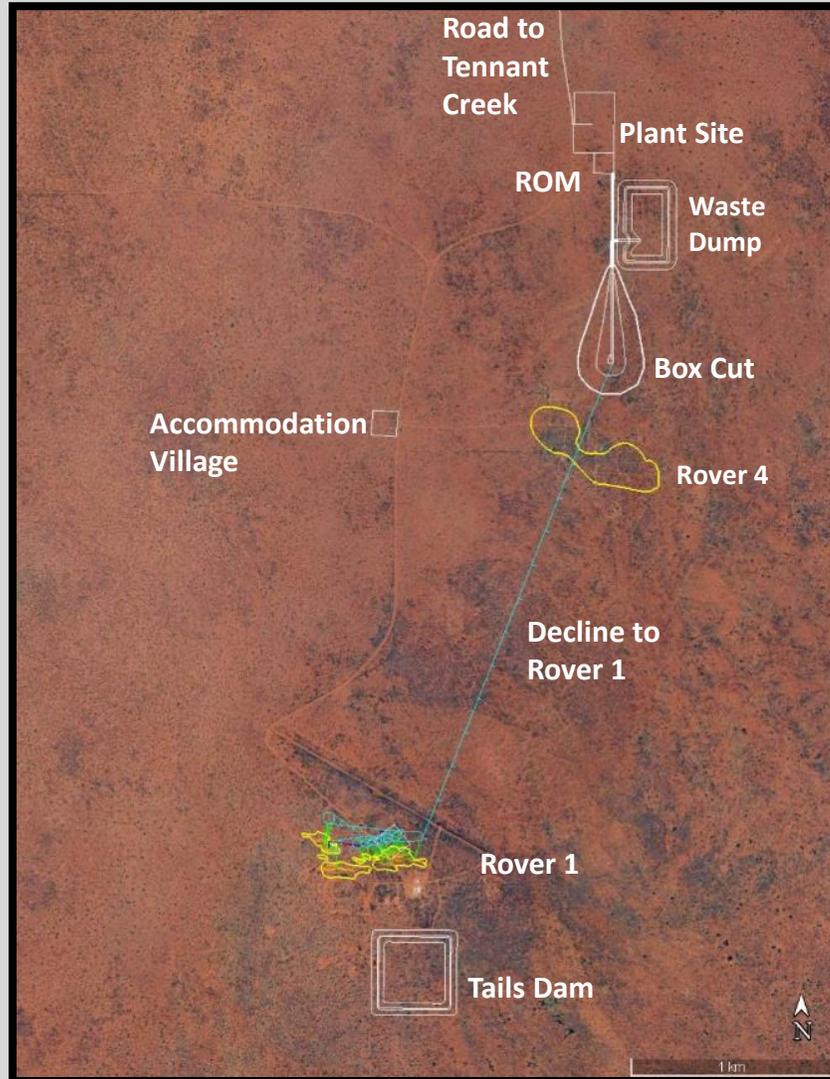


ROBUST POST-TAX NPV_{6.5%} SENSITIVITY +/- 10% ANALYSIS

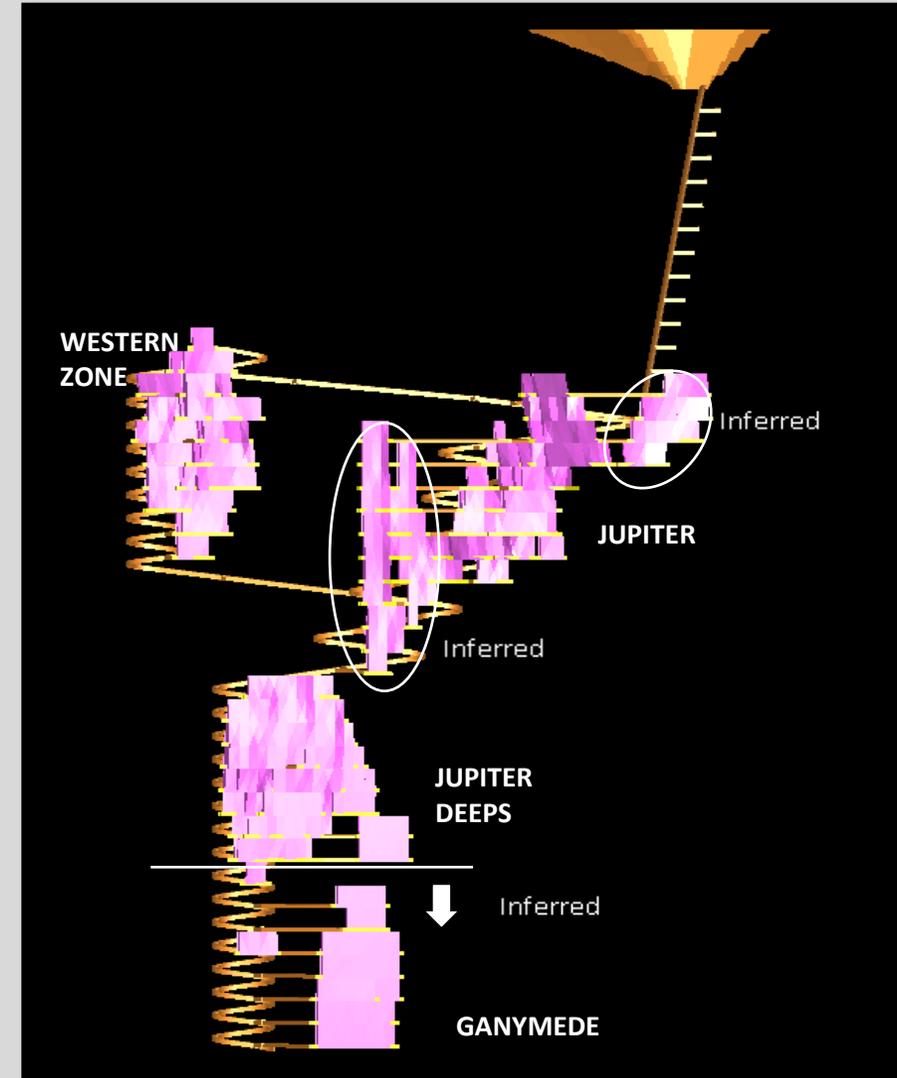




PROJECT LAYOUT

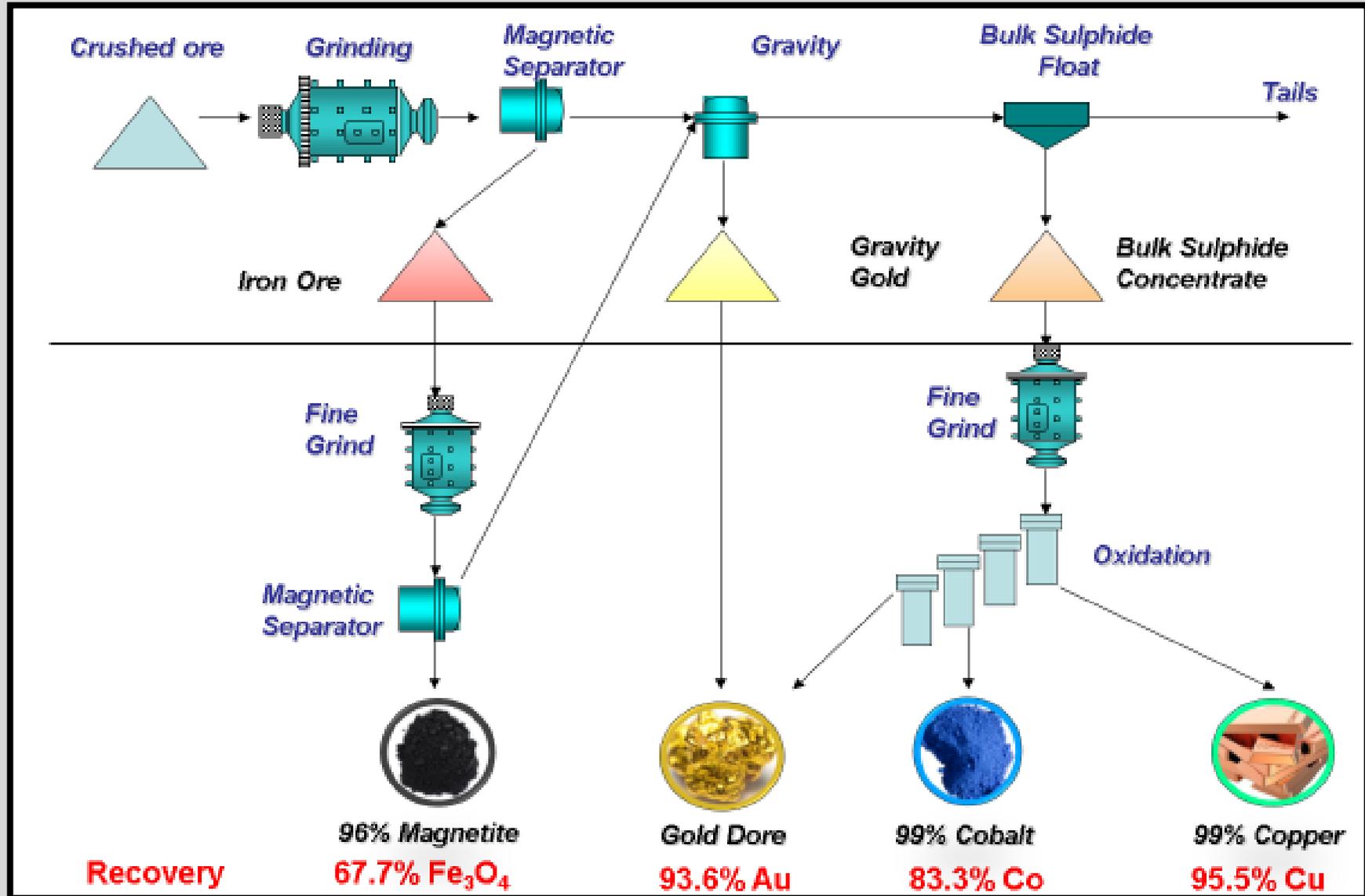


MINE DESIGN





SIMPLIFIED PROCESSING FLOWSHEET





STRONG COMMUNITY ENGAGEMENT

Castile is committed to maintaining strong Territory and local government support

Supporting local communities via employment and enrichment programs



Castile has donated Sporting Equipment and Uniforms to all schools within the entire Barkly Region





Traditional Owners and Central Land Council

The tenements containing the Rover 1 Project are located on Aboriginal Freehold Lands administered by the Central Land Council (CLC) on behalf of the Traditional Owners for the Karlantijpa North and Karlantijpa South Land Trust.

Castile has a confidential agreement in place with the CLC which is the Rover 1 Deed of Exploration. The deed covers the rights and responsibilities of both parties regarding the project and clearly outlines the actions required for Castile to convert to a Mining Agreement. The process to convert to a Mining Agreement can commence with the conclusion of this study.

Government Support

The Federal Treasurer addressed the Australian Critical Minerals Summit in November 2022 emphasising the need for Australia to mine and produce downstream critical minerals for the net-zero 2050 target policy. The Federal Government has outlined a number of initiatives to assist companies in this regard.

The Federal Minister for Resources and Northern Australia announced a “Budget boost for Northern Australia and Critical Minerals” defining a strategy to assist and encourage private investment in companies located in the North of Australia and companies involved in the production of critical Minerals.

<https://ministers.treasury.gov.au/ministers/jim-chalmers-2022/speeches/address-australian-critical-minerals-summit-sydney>

<https://minister.infrastructure.gov.au/m-king/media-release/budget-boost-northern-australia-and-critical-minerals>



The Hon Nicole Manison – Deputy Chief Minister of the Northern Territory and Minister for Mining and Industry attends a site visit to Rover 1



REASONABLE BASIS FOR FUNDING ASSUMPTION

Castile has not entered into formal discussions regarding the funding of the Rover 1 Project. However, Castile has undertaken informal, preliminary discussions with a number of different financial institutions that provide funding for resource projects through debt, equity, metal prepayments, offtake agreements and metal streaming.

Castile has formed the basis for this assumption on the following grounds:

- The Board and management of Castile of Castile has extensive experience in mine financing, mine development and underground mining operations.
- The release of the Rover 1 Project PFS provides a strong platform for Castile to begin discussions with potential financiers.
- Copper and Cobalt are metal products required in the 2050 Net-Zero Carbon Target strategy and financial markets remain buoyant for these minerals.



CONCLUSIONS FROM THE ROVER 1 PFS

The PFS shows that the Rover 1 Project is commercially viable, and Castile will now progress the Rover 1 project into a Bankable Feasibility Study (BFS).

The BFS will commence with further test work in December 2022 and aim for completion in late 2023.

Work to be undertaken includes:

- Finalisation of data required for the Environmental Impact Statement (EIS) and submission.
- Commencement of discussions with financial institutions for funding for the project.
- Final metallurgical test work stage, including the construction and operation of a pilot test plant.
- Government engagement and licensing.
- CLC engagement to determine the mining agreement for Rover 1.

DEVELOPMENT SCHEDULE

The following is an indicative timetable for the Rover 1 development:

- | | |
|--------------------------------|-------------|
| • Definitive Feasibility Study | 2023 |
| • Permitting and Approvals | 2023 – 2024 |
| • Construction Phase | 2024 - 2025 |



For more information

<https://www.castile.com.au/wp-content/uploads/2022/12/61126598.pdf>

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