

MARKET RELEASE

15th July 2014

ROCKLANDS COPPER PROJECT (CDU 100%)

ROCKLANDS PROCESS PLANT UPDATE - PICTORIAL 21

CuDeco is developing one of the most significant copper discoveries in Australia in recent decades. The Rocklands deposit is dominated by primary copper mineralisation, however the first 10 years of production will treat large zones of supergene enriched ore including expansive zones of coarse native copper.

The Rocklands Process Plant is amongst the most sophisticated in Australia, capable of concurrently processing numerous ore types, including ore containing various native copper fraction sizes that will be processed through one of the worlds largest continuous gravity jigging circuits;



Figure 1: Rocklands Gravity Jig Circuit with multiple continuous gravity jigging units (alljigs®) supplied by German Company allmineral, capable of recovering various native copper fraction sizes (see flow-sheet diagrams from page 25)

Ore-types to be concurrently processed at the Rocklands Process Plant include;

- Native copper ore** (coarse, medium and fine)
- Primary sulphide copper ore** (chalcopyrite)
- Secondary sulphide copper ore** (chalcocite)
- Oxide copper ore blended with other ore types** (malachite, azurite, cuprite, tenorite)
- Primary sulphide cobalt ore** (pyrite)
- Gold** (as a by-product)
- Magnetite** (via magnetic separation)



Figure 2: Rocklands Process Plant - major components installed, structural completion underway.

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Figure 3: Gravity Jig Building (looking west) - continuous alljig® units fade into the distance on level 3

Rocklands Process Plant - major components installed, structural completion underway.

The Rocklands Process Plant is designed to process 3 million tonnes per annum of ore and will concurrently produce six mineral products in five separate circuits;

Copper - cobalt - gold - magnetite - pyrite (sulphur)

The above end-products will be shipped in four final concentrates;

- Coarse and Fine Native Cu metal (+Au credits)
- Copper sulphide / Oxide concentrate (+Au credit, +Ag credits)
- Pyrite / Cobalt Concentrate (+ sulphur credits, +Ag credits)
- Magnetite Concentrate (to specification suitable for washeries or metallurgical)

Copper recovery is split into three distinct areas;

- Primary Crushing Circuit to recover coarse native copper (+38mm) via scalping
- Gravity Circuit (jigs, spirals and tables) to recover sub 38mm native copper fraction, down to 0.2mm fine native copper
- Flotation to recover predominately copper sulphides (can also batch-process oxides) to a concentrate. Sub 0.2mm native copper fraction will float



Figure 4: Gravity Jig Building - looking east; continuous alljig® units fade into the distance on level 3. From left to right in background; Table Separator Circuit; Spiral Separator Circuit; bank of three Thickener/Filtration Circuits; Flotation Cells; Cobalt Re-grind Circuit and; Magnetic Separation Circuit.

Other metals to be concurrently recovered via;

- Flotation to recover cobalt in a pyrite concentrate
- Magnetic separation to recover magnetite from gangue (waste) from the flotation process on its way to the tailings waste.

Civils and installation have been completed for;

- HPGR unit and infrastructure installed
- Ball Mill unit and infrastructure installed
- Scrubber unit and infrastructure installed
- Jigging Process area unit and infrastructure (screens and pump boxes) installed
- Tabling Area - unit and infrastructure (tables, screens and pump boxes) installed
- Spirals unit and infrastructure (pump boxes) installed
- Gravity thickener - unit and infrastructure (pump boxes) installed
- Tails Thickener - unit and infrastructure (pump boxes and floc unit) installed
- Flotation Area - Tank installation unit and infrastructure installed
- Concentrate thickeners x3 - installed
- Concentrate filters – units and infrastructure installed
- Power House – currently undergoing LV commissioning.



Figure 5: Gravity Jig building - light-fraction pump configuration



Figure 6: Gravity Jig building - fines screen (left) and jig hutch (base of jig) on right.

Last remaining major infrastructure

The last remaining are of major infrastructure to be constructed is the Tailings Storage Facility (TSF), where preliminary ground clearance and strip-back has been completed and mobilisation of assets is underway.

The tailings pipeline to the TSF is currently under construction and major earth-moving and construction activity at the TSF will commence imminently.

Minor civils and infrastructure still ongoing or recently completed includes;

- Reagent Mixing area - Completed
- Lime storage area – 75% complete
- Flotation compressor area. – Civils yet to be awarded
- Concentrate filtration (x3) - Complete
- Concentrate storage sheds (x3) - Complete
- Stockpile tunnel – Tunnel redesign phase
- Conveyor footings – All complete
- Pipe rack footings – All complete
- TSF pipeline Construction underway



Figure 7: Gravity Jig Building - from top to bottom; native copper metal screens, feed bins and light screens and continuous alljig® units (left and right)



Figure 8: Gravity Jig Building - Top image; feed bins (top), screen on middle floors and pump-boxes on ground floor. Feed chutes into ore jigs.



Figure 9: Gravity Jig Building - feed bins (above) and close-up of lights screen (foreground).

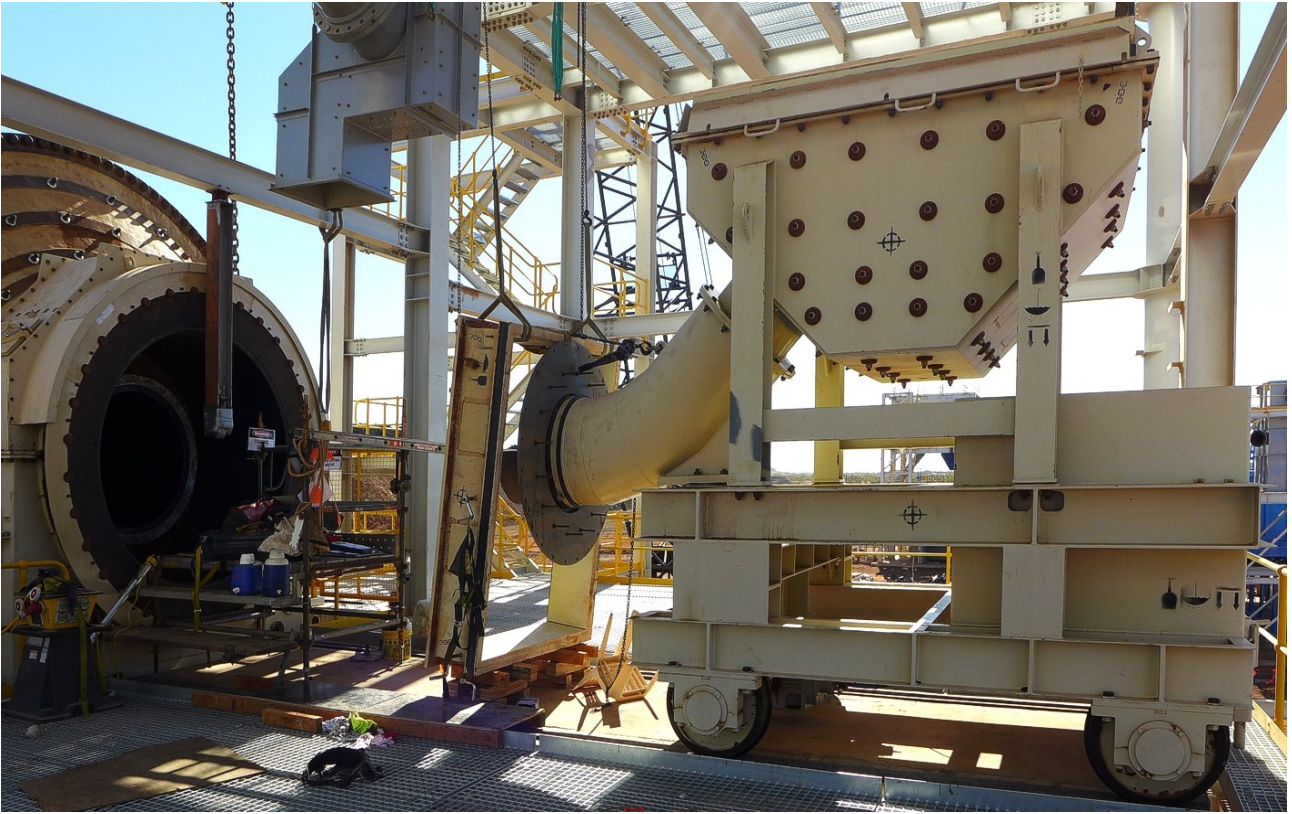


Figure 10: Ball Mill feed chute (above) and drive-train and trommel screen unit (grey box - centre)



Figure 11: Pipe-bridge structure (top image); Ball Mill lining being installed (middle image); pre-start meeting at Ball Mill (bottom left) and shielded high-voltage transformer at the Ball Mill drive train (bottom right)



Figure 12: Ball Mill discharge trommel (top image) and high-impact poly-met lining of Ball Mill almost complete (bottom image)



Figure 13: Flotation Cell building - flotation cells (top) and cell agitators (bottom)



Figure 14: Flotation Cell building - low-pressure air blowers (top) and copper and cobalt float circuits (bottom)



Figure 15: Flotation Cells (top image) and in background; Spirals (left) and Thickener/Filtration circuits (right three structures)



Figure 16: Thickener/Filtration circuits viewed from the Flotation Cell building (top image) and; Thickener/Filtration circuit up close.



Figure 17: Top image shows Scrubber Circuit and bottom image shows the Gravity Jig building (far background), Spirals (middle distance) and copper concentrate thickener tank as viewed from the Thickener/Filtration circuit (foreground).



Figure 18: Thickener/Filtration circuits (above) and close up of filtration unit and panels (bottom images)



Figure 19: Scrubber discharge sump



Figure 20: Table Separator Circuit building (top image) and close up of vacuum belt filter (bottom image)



Figure 21: Gravity Jig Building - level 2 Jig-feed chutes and bank of continuous alljig® units.



Figure 22: Rocklands Mine Site staff and contractor de-briefing, after recent full-site evacuation drill. The drill was an important exercise for gaining invaluable feedback for ongoing improvements.

Chairman's comments

The Process Plant is coming together nicely, and at this stage is on track for preliminary wet commissioning activities towards the end of this year.

The Tailings Storage Facility (see Figure 24 - ref 04) is the last of the large infrastructure works to be completed, and we see no impediments for its timely completion.

Meanwhile, mining continues on several fronts and within the next few months is expected to ramp up to full production rates in order to meet planned ore stockpile requirements prior to full scale production.

Current mining activity includes;

- LM1 Pit - accessing ore from RL167.5 level;
- LM2 Pit - accessing ore from both the RL210 and RL215 levels;
- LM3 Pit - accessing free-dig ore when excess capacity permits;
- SRE Pit - accessing ore from the RL210 level; and
- SR1 Pit - free-dig mapping and surface grade control via extensive bedrock drilling programme.

We expect to reach the first 1million tonnes of ore, mined and stockpiled, shortly.

High-grade DSO ore is building on the ROM and plans for crushing, shipment and product sales are nearing completion.

The base of the pit resembles a copper museum, with some of the most exciting high-grade ore and mix of unique copper species I have seen in my 35+ years in mining.

On behalf of the board.

- ends



Figure 23; high-grade copper ore from the LM1 Pit - iron-rich yellow jaspilite rock matrix impregnated with massive and vein infill chalcocite (79.9% Cu), massive cuprite (88.8% Cu) and fine to coarse native copper species (99.65% Cu) - inset shows similar jaspilite after crushing through the mobile crusher, accessed in the original box-cut pit.



- 01 - Water Storage Facility (WSF)
- 02 - Maintenance Workshop & Mining Office
- 03 - Infrastructure Corridor (Haul Road and Pipelines)
- 04 - Tailings Storage Facility (TSF)
- 05 - Morris Creek Diversion Channel
- 06 - Morris Creek Diversion Dam
- 07 - Topsoil Stockpiles
- 08 - West Waste Dump (and PAF cell)
- 09 - Rocklands South Extension pit (PAF pond)
- 10 - Las Minerale Open-cut, LM1, LM2 & LM3 Pits
- 11 - Southern Rocklands Pit (and SR Starter Pit)
- 12 - North Waste Dump (mid-term stockpile location)
- 13 - Mine Access Road
- 14 - Primary Ore Stockpile
- 15 - South Waste Dump
- 16 - Run of Mine (ROM) Pad
- 17 - Native Copper and Chalcocite Stockpiles
- 18 - Process Plant including Crushing Circuit
- 19 - Haul Road
- 20 - East Waste Dump
- 21 - Rainden Pit

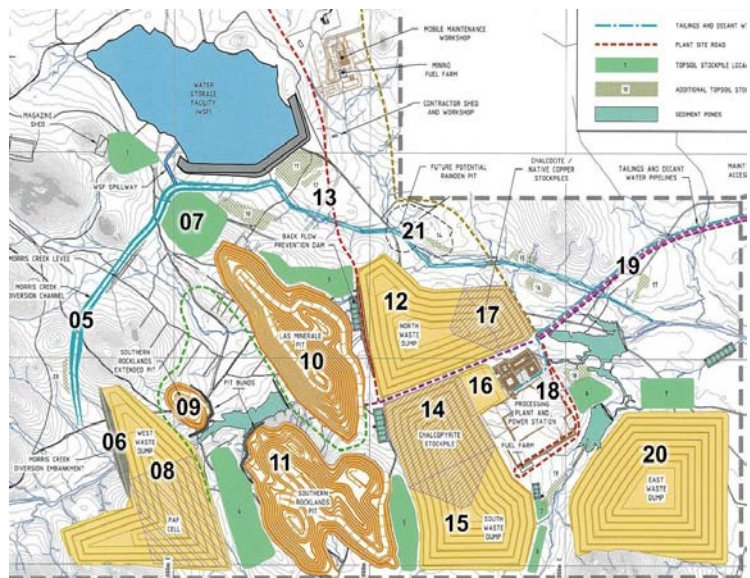


Figure 24: General Arrangement plans and location references.

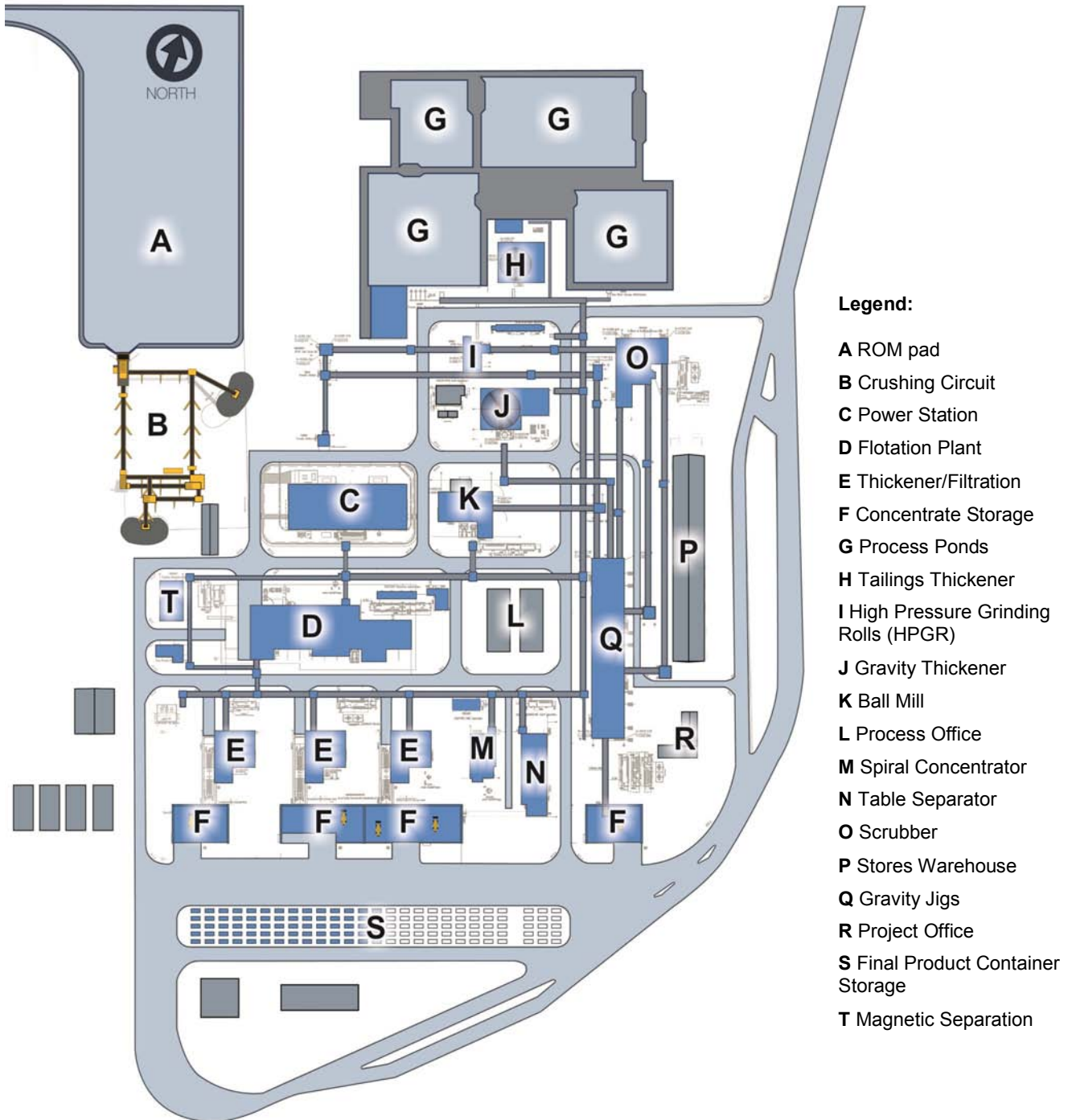


Figure 25: Process Plant - schematic location plan with key areas noted

Process Plant

Flowsheet Stage 1: Crushing Circuit Recovery of Oversize Coarse Native Copper

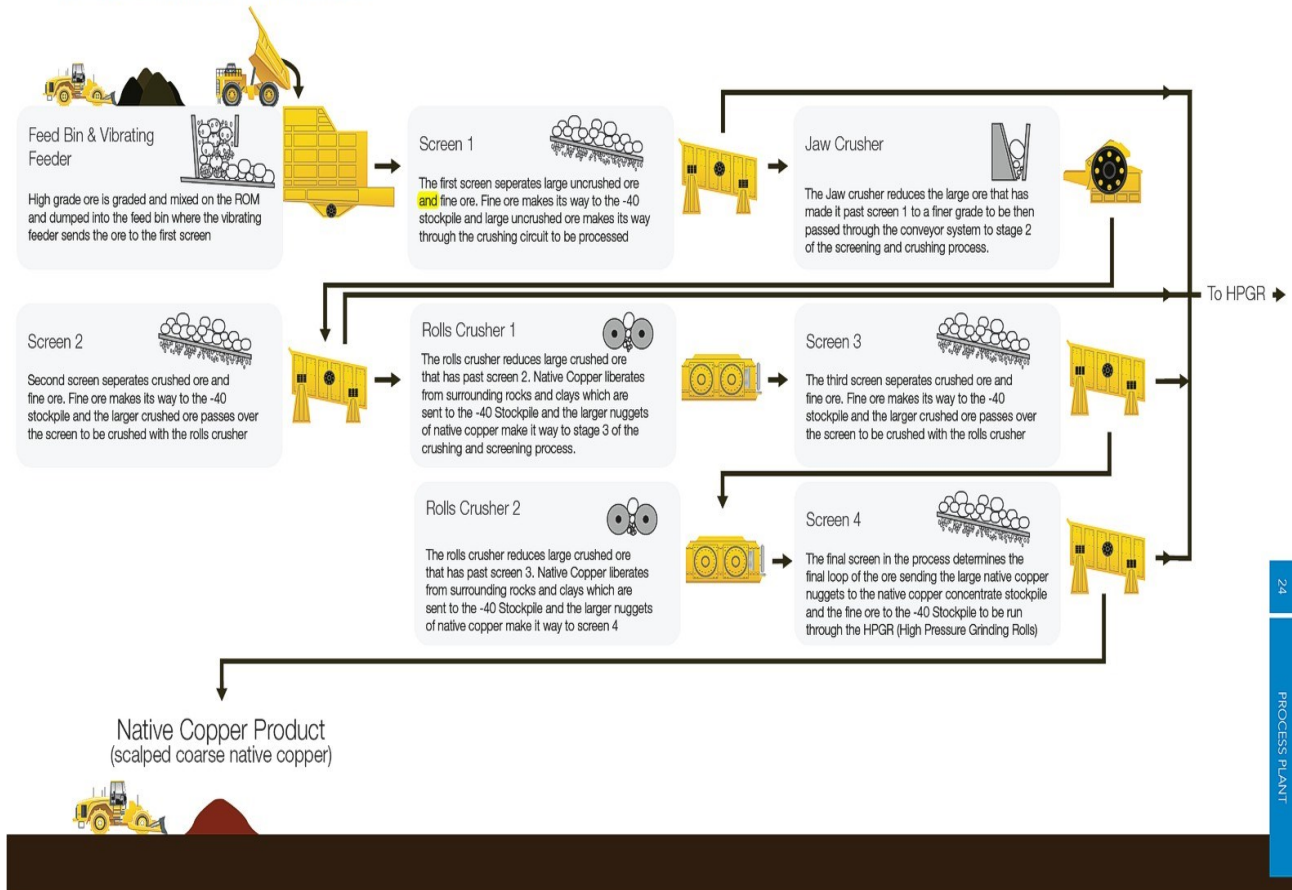


Figure 26: Process Plant flow-sheet: Crushing Circuit

Process Plant

Flowsheet Stage 2: Gravity Circuit Recovery of Remaining Native Copper

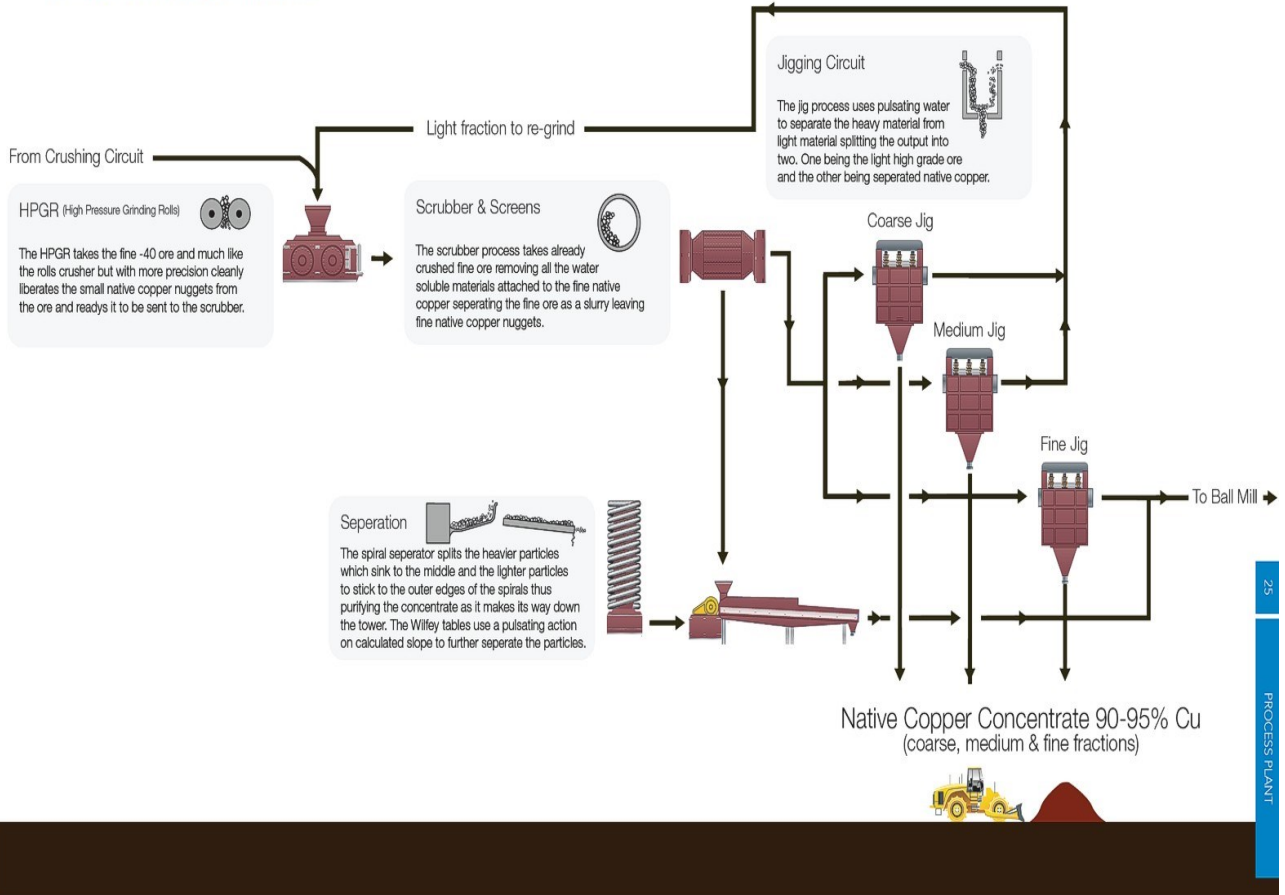


Figure 27: Process Plant flow-sheet: gravity Circuit

Process Plant

Flowsheet Stage 3: Flotation Circuit

Recovery of Primary Sulphides; Chalcopyrite (Copper Concentrate) Pyrite (Cobalt/Sulphur Concentrate) & Magnetite

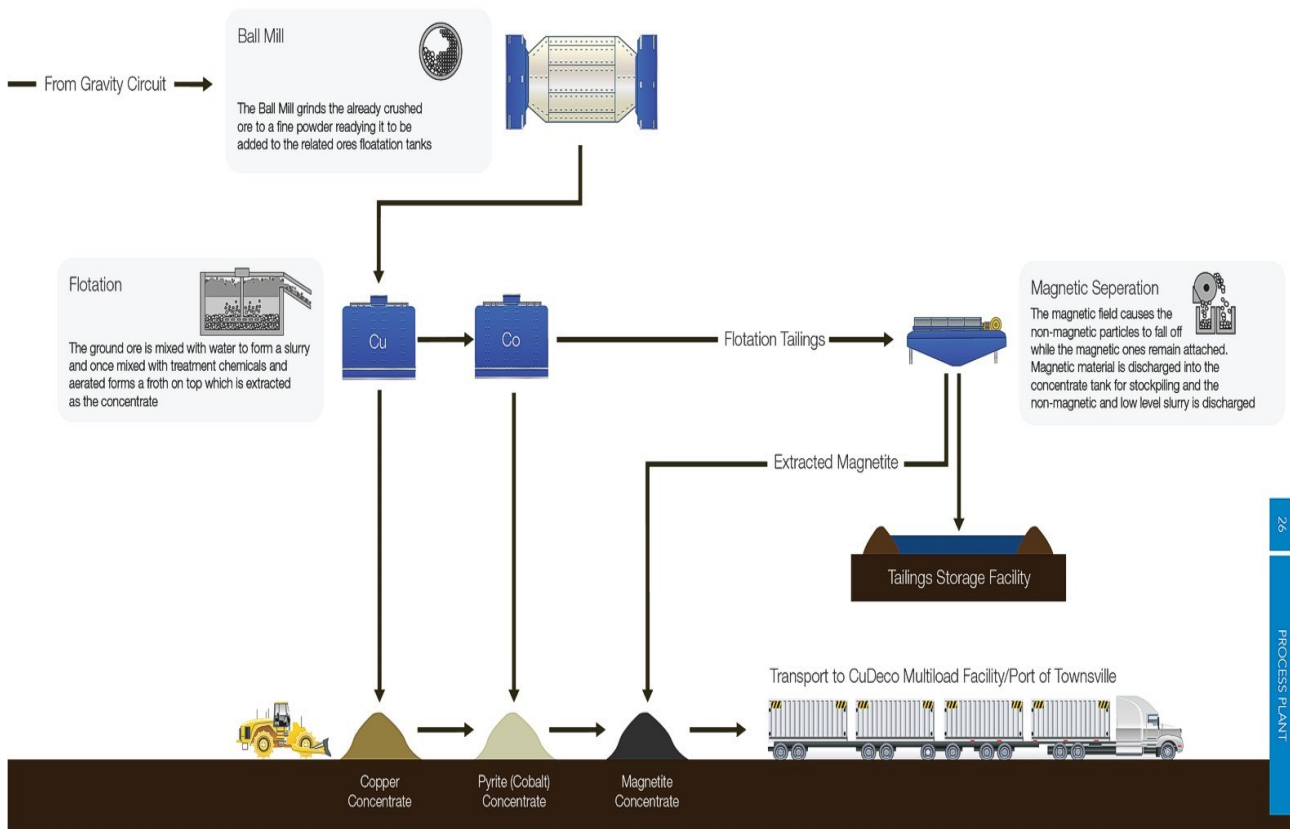


Figure 28: Process Plant flow-sheet: Flotation Circuit and Magnetic Separation

Competent Person Statement

The information in this report insofar as it relates to Metallurgical Test Results and Recoveries, is based on information compiled by Mr Peter Hutchison, MRACI Ch Chem, MAusIMM, a full-time executive director of CuDeco Ltd. Mr Hutchison has sufficient experience in hydrometallurgical and metallurgical techniques which is relevant to the results under consideration and to the activity which he is undertaking to qualify as a competent person for the purposes of this report. Mr Hutchison consents to the inclusion in this report of the information, in the form and context in which it appears.

Disclaimer and Forward-looking Statements

This report contains forward-looking statements that are subject to risk factors associated with resources businesses. It is believed that the expectations reflected in these statements are reasonable, but they may be affected by a variety of variables and changes in underlying assumptions which could cause actual results or trends to differ materially, including, but not limited to: price fluctuations, actual demand, currency fluctuations, drilling and production results, reserve estimates, loss of market, industry competition, environmental risks, physical risks, legislative, fiscal and regulatory developments, economic and financial market conditions in various countries and regions, political risks, project delays or advancements, approvals and cost estimates.