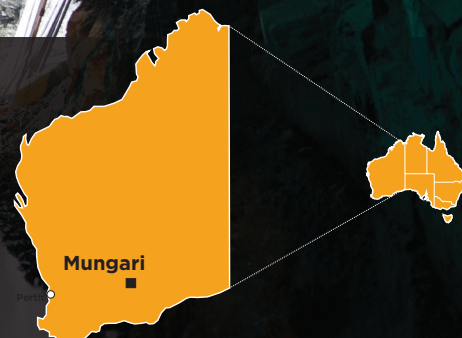


# Mungari operation

A fourth cornerstone asset

[www.evolutionmining.com.au](http://www.evolutionmining.com.au)



**Location:** 600km east of Perth, 20km west of Kalgoorlie, Western Australia

**Producing:** Gold

**Management:** Owner operator

**Site management:** Mark Boon - Interim General Manager

**Mine Site contact number:** +61 8 9268 4000

Located in the Goldfields, we acknowledge the Maduwongga People and the Marlinyu People.

The addition of the Kundana assets in August 2021 elevates Mungari to Evolution's fourth cornerstone asset:

- A logical, value accretive and opportunistic acquisition of a portfolio of high grade underground operating mines located within 8km of Evolution's Mungari Mill
- Provides pathway to annual production objective of 200,000 ounces at Mungari
- Increases strategic presence in the Kalgoorlie district and builds on strong existing Maduwongga and Marlinyu Ghoorlie native title partnerships
- Large pipeline of attractive exploration projects across a combined 1,027km<sup>2</sup> tenement package provides potential to significantly extend mine life
- Unlocks compelling operational synergies
- Improved near term grade profile to increase production and cash flow
- Extends mine life to 13 years (based on Evolution's life of mine plan)
- More than doubles Mineral Resources and Ore Reserves

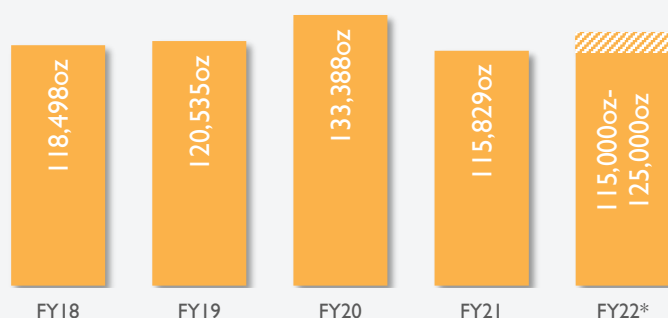
## ➔ Key Facts

- **FY21 gold production:** 116koz
- **FY22 guidance:** 115,000 – 165,000oz
- **FY21 AISC:** A\$1,453/oz
- **FY22 AISC:** A\$1,750–1,800/oz
- **FY21 Net mine cash flow:** A\$73.2M
- **TRIF:** 14.9<sup>1</sup> (12mma)
- **Mineral Resources:** 49.07Mt at 1.39g/t Au for 2.19Moz (excludes Kundana assets)
- **Ore Reserves:** 9.98Mt at 1.41g/t Au for 454koz (excludes Kundana assets)
- **Tenement package:** 1,0027km<sup>2</sup>
- **Mine life:** ~13 years
- **Mining method:** conventional open pit and underground top-down long hole stoping with paste fill
- **Plant throughput:** ~2.0Mtpa
- **Process method:** Three stage crushing, ball mill, gravity and CIP
- **Recovery:** 91%
- **Grid power:** Western Power
- Residential
- ~340+ local jobs

1. TRIF: Total recordable injury frequency. The frequency of total recordable injuries per million hours worked. Results above are based on a 12 month moving average to October 2021

# Snapshot

## Gold production (oz)



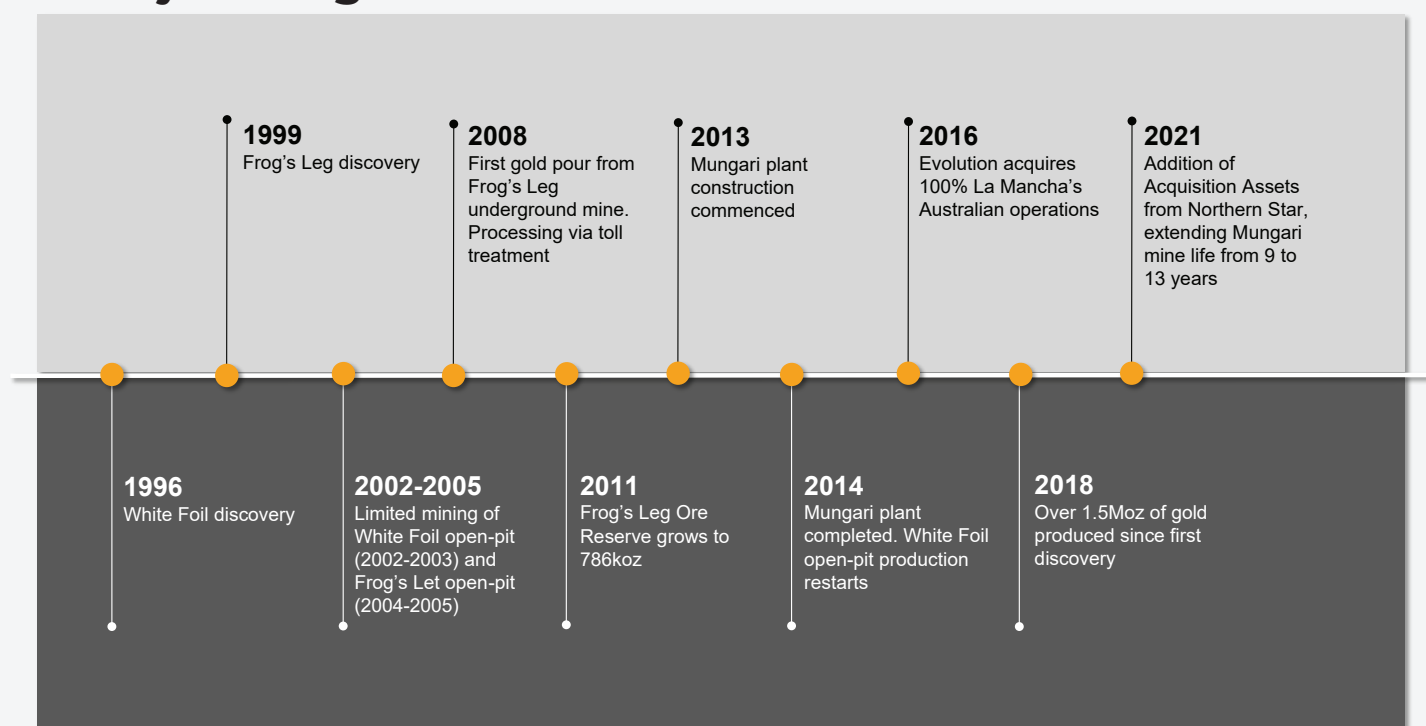
## AISC (A\$/oz)



\* denotes guidance for FY22

Historic performance data can be accessed at our [Interactive Analyst Centre™](#)

## History - Mungari Evolution



**Mineral Resources**  
(Dec 20)

**2.19Moz<sup>(1)</sup>**  
49.07Mt @ 1.39g/t gold

**Ore Reserves**  
(Dec 20)

**454koz<sup>(1)</sup>**  
9.98Mt @ 1.41g/t gold

1. Refer to ASX release "[Mineral Resources and Ore Reserves Statement](#)" released to ASX on 12 February 2021 and available to view at [www.evolutionmining.com.au](http://www.evolutionmining.com.au). Excludes Kundana Assets which will be included in the Company's annual Mineral Resources and Ore Reserves Statement to be released in February 2022.

# Sustainability

The work we do on sustainability reflects our values driven approach to creating measurable value for our stakeholders through safe, reliable, low-cost gold production in an environmentally and socially responsible way. See our [2020 Sustainability Report](#) provided on our website which describes our approach and performance in the areas of health and safety, environmental stewardship, helping our communities thrive, cultural heritage, innovation and the development of our people.

- Sustainability projects include Lokal Hub and Ben Prior Park
- Mature health and safety culture – focusing on behavioural improvements
- Tailings storage facility approval received
- Strong local community support – Women's Refuge and schools
- Engaging with Native Title claimants on protecting cultural heritage
- Return to work program - flexible hours for people returning to the workforce while raising a young family

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## Geology

The White Foil, Cutters Ridge and Frog's Leg deposits are situated within the Norseman-Wiluna Greenstone Belt of the Yilgarn Craton, Western Australia. White Foil lies three kilometres to the west of the Zuleika Shear, a regional scale shear zone, and is hosted within a quartz rich gabbro unit which is part of the Powder Sill intrusive complex. The mineralised zone is 70m wide, 400m long and dips to the WSW and WNS at between 50° to 60° and is open at depth.

The Frog's Leg deposit is located on the sheared contact between the porphyritic "cat rock" (regionally known as the Victorious Basalt) and volcanoclastic rocks of Black Flag Beds. The ore lodes are between 2m and 20m thick and occur as sub-parallel lodes.

The regional tenement package has positions on three main prospective structures:

- Zuleika Shear - Notable deposits include Frogs Leg and Bullant, as well as the Kundana group of Centenary, Strezlecki, Raleigh, Barkers, Hornet and Millenium
- Kunanalling Shear - Notable deposits include Castle Hill and Catherwood
- Carbine structure - hosting satellite gold deposits to Mungari Mill

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## Discovery

For information on exploration and opportunities in at Mungari, please refer to our [website](#).

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## Mining

### Frog's Leg (underground mining)

<b>Mining method/s:</b>	Top-down long hole stoping, with paste fill
<b>Access:</b>	5m x 5.5m decline from portal in pit, then twin declines from 125 metres below surface (mbs) to access north (Mist) and south (Rocket) sections Deepest current level is 700mbs
<b>Ore mined:</b>	FY20: 473kt for 56.4koz contained gold
<b>Workforce:</b>	Owner operation and maintenance
<b>Work roster:</b>	7 on / 7 off and 5/2/4/3
<b>Loading:</b>	1 x Caterpillar R2900G, 2 x Caterpillar R1700G
<b>Trucking:</b>	3 x Caterpillar AD55B
<b>Drilling - development:</b>	1 x Sandvik DD421 twin boom jumbo
<b>Drilling - production:</b>	2 x Sandvik DL421 production drill
<b>Ground support:</b>	Standard: friction bolts and mesh. Additional (as required): cable bolts, dynamic bolts, fibrecrete
<b>Ancillary equipment:</b>	2 x Rocmec charge-up, 3 x integrated tollcarrier
<b>Explosives:</b>	Stoping: emulsion, electronic initiation. Development: ANFO, non-electric initiation
<b>Underground communications:</b>	VHF leaky feeder network (radio and data). Optic fibre to copper LAN (microseismic system, video, data)



## White Foil and Cutters Ridge (open pit mining)

<b>Mining method/s:</b>	Conventional open pit (drill, blast, load and haul)
<b>Ore mined:</b>	FY20: 2,325kt for 117koz contained gold
<b>Workforce:</b>	Load and haul: owner operator; drilling: Ausdrill contractors; blasting: MAXAM contractors; maintenance; Emeco contractors
<b>Work roster:</b>	7/3/5/6
<b>Loading:</b>	1 x Hitachi EX2600, 1 x Komatsu PC1250, 1 x Komatsu PC2000
<b>Hauling:</b>	8 x Caterpillar 785C
<b>Dozers:</b>	3 x Caterpillar D10T
<b>Road maintenance:</b>	1 x Caterpillar 16M, 1 x Caterpillar 773D water cart
<b>Drilling equipment:</b>	3 x Sandvik DP1500i
<b>Explosives:</b>	Bulk Watergel, emulsions - ANFO

## Processing

- **Three stage crushing, ball mill, gravity and carbon-in-pulp (CIP)**
- **Annual average throughput rate**  
2.0Mtpa
- **Recovery**  
90 - 93%
- **Power**  
Western Power - grid supply
- **Crushing**  
Primary: 220kW Jaw  
Secondary: 315kW Cone  
Tertiary: 315kW Cone
- **Grinding**  
Ball Mill: 4.5MW, 8.7mL x 5.5m. diameter  
Grind Size p80: 106 um  
Media: 94mm and 78mm hi-chrome balls
- **Recovery method**  
Gravity and CIP
- **Leaching**  
Leaching: 2 x 1,140 m<sup>3</sup> tanks  
Adsorption: 6 x 750 m<sup>3</sup> tanks  
Elution: split AARL  
Electrowinning: 3 x Consep tanks [2 x carbon-in-leach (CIL), 2 x gravity]
- **Gravity circuit**  
Concentrator: 2 x Knelson  
Intensive Leach: Consep Acacia
- **Work roster**  
7/7 and 8/6
- **Surface haulage contractors**  
Rivet Mining Services - Frog's Leg to mill, Cutters Ridge to mill, tails haulage to Frog's Leg from TSF, tails haulage to Northern Star from TSF  
Raywell Contracting - Tails harvesting ~700ktpa



Mungari processing plant

# Process flowsheet

