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Altan Rio - Assets

AUSTRALIA
NORTHERN TERRITORY
Historic high grade Copper mine
Multiple high grade VMS intersections and targets

MONGOLIA
Chandman - Copper and gold drill intercepts indicate a large new porphyry system

AUSTRALIA
SOUTHERN CROSS GOLDFIELDS
Large landholding historically held by large producing companies
Substantial toll treatment opportunity
Immediate high value targets – drill ready
Large land holding in premier Production Belt – Western Australia

- Targeting near term toll treatable Ore.
- The Southern Cross Greenstone Belt has been a prolific producer of gold and is responsible for well in excess of 10 million ounces of gold production.
- The project tenure is centrally located within the greenstone belt and occurs adjacent to numerous high-grade past producers including Frasers, Golden Pig and Copperhead.
- 15 granted Prospecting Licenses covering an area of 23.7 square kilometers representing a large position in one of Western Australia premier producing gold belt
- Significant strike component of the laterally extensive gold rich Frasers-Corinthian Shear Zone (FCSZ).
- The FCSZ is known to host significant gold mineralisation along its entire length from Bullfinch in the north to Marvel Loch in the south and hosting the Frasers (1.2 Moz), Hopes Hill (214 Koz), Pilot (54 Koz), Corinthia (190 Koz) and Copperhead (1.5 Moz) deposits.
- Short trucking distance to operating toll treatment plant (2.5 Mtpa) ~ 30km.
- Immediate dill targets – POW in place.
- essentially untested below 50 meters vertical depth
The first substantial gold production from the sequence north of Southern Cross was from the Copperhead Mine at Bullfinch where Great Western Consolidated N.L. (a subsidiary of Western Mining Corporation Limited) produced in the 1950s.

The majority of this production has come from within the greenstone sequences and ranges from Copperhead in the north to Bounty in the south and incorporates the Westonia deposits in the west.

Altan Rio’s tenure represents the majority of the mineralised belt extending south from the Copperhead mine site for approximately 28 km to the town boundary of Southern Cross.

This represents the Northern half of the Frasers-Corinthian Shear Zone (FCSZ). With Minjar Gold acquiring the Southern half along with much of the surrounding tenure and Marvel Loch mill for $330M in 2017.

All major gold deposits in the northern segment of the greenstone belt are located on or immediately adjacent to major strike parallel (D2) structures.

<table>
<thead>
<tr>
<th>Deposit</th>
<th>Tonnes</th>
<th>Grade (g/t)</th>
<th>Production (Oz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copperhead(1)</td>
<td>7,731,067</td>
<td>3.75</td>
<td>932,256</td>
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<tr>
<td>Corinthian(2)</td>
<td>300,000</td>
<td>5.90</td>
<td>58,200</td>
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<tr>
<td>Pilot(3)</td>
<td>305,000</td>
<td>4.15</td>
<td>40,700</td>
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<td>Hopes Hill(2)</td>
<td>1,727,000</td>
<td>1.80</td>
<td>93,280</td>
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<td>Golden Pig(1)</td>
<td>3,558,974</td>
<td>6.05</td>
<td>692,219</td>
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<td>Fraser(1)</td>
<td>4,886,500</td>
<td>4.76</td>
<td>748,294</td>
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<tr>
<td>Marvel Loch(3)</td>
<td>28,557,342</td>
<td>2.50</td>
<td>2,298,887</td>
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<tr>
<td>Nevoria(1)</td>
<td>5,512,600</td>
<td>3.74</td>
<td>662,198</td>
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<tr>
<td>Yilgarn Star(1)</td>
<td>8,721,900</td>
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<td>1,265,737</td>
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<tr>
<td>Great Victoria(1)</td>
<td>4,173,000</td>
<td>2.74</td>
<td>368,212</td>
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<tr>
<td>Bounty(1)(4)</td>
<td>6,000,000</td>
<td>5.70</td>
<td>1,100,000</td>
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<tr>
<td>Edna May(1)</td>
<td>5,419,000</td>
<td>3.64</td>
<td>634,043</td>
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</table>
Sons of Gwalia mineral rights 2004

Tenement package was held by Sons of Gwalia (SGW) when they went into administration in 2004.

Package was separated out of the Southern Cross production assets sole to Minjar Gold in 2017 for $330M (Marvel Loch mill).

Historically the tenement package has been held and worked by the following companies:

- Great Western Consolidated NL (1959-62)
- BHP Limited (1980)
- Troy Resources NL (1986 onwards)
- St. Barbara Mines Ltd (2005)
- Surveyor Resources (2006)
Targeting early cashflow opportunity – Toll Treatment

• Immediately adjacent or strike extension to at least 5 current or historical significant gold mines

• Toll Treatment mill at Marvel Loch within close trucking distance.

• Ore-grade drilling results have been achieved at numerous locations within the tenure.

• No Native Title exists over the project area. All tenements on Crown Reserve and Freehold Land. Allowing timely development of any economic ore identified

• Experienced Board and management. The Board has a deep history of successful toll treatment and stand alone operations.

• Chairman John L C Jones instrumental in developing toll treatment at North Kalgurli Mines and multiple additional toll treatment projects over a 40+yr period.
The Southern Cross mineral belt host a large number of economic mines all located on the laterally extensive gold rich Frasers-Corinthian Shear Zone (FCSZ). And aligned with approximately 310 degrees.

Many of these occurrences were overlooked by the previous large companies that owned them and have not been targeted for smaller scale deposits < 1M oz.

There is now significant value in smaller minable reserves given the availability of the Marvel Loch mill.

Southern portion of the project comprises the Lake Koorkoordine salt lake system with thick lacustrine sediments obscuring bedrock these salt lake sediments limiting historic exploration.

Modern Exploration techniques for identifying ore bodies beneath salt lakes have advanced significantly over the past two decades.

Local wheat farming restricts land access for drilling during the cropping season. Much of the area not beneath salt lakes is under cultivation.

Hall roads to toll mill currently in service - other neighboring landholder currently toll treating ore at Marvel Loch mill.
• The Fraser Shear Zone or structural corridor, host to much of the gold mineralisation in the Southern Cross belt is one of Western Australia’s premier auriferous structures and Altan’s project is centrally located along it.

• The prospecting licences secure title to approximately 20km strike extent of the Fraser Shear Zone (FSZ), a major auriferous conduit linking the Copperhead, Corinthian, Hopes Hill, Golden Pig, Frasers and Marvel Loch gold deposits.

• Previous drilling within these leases has defined ore-grade mineralization largely associated with the Fraser Shear Zone.

• Historical exploration conducted on the tenements include:
  • Geological Mapping at 1:25,000 scale,
  • Detailed aeromagnetic survey at 25m line spacing.
  • Geochemical soil auger surveys at 40m x 200m spacing covering the Frasers-Corinthian Shear Zone.
  • RAB and RC drilling of magnetic and geochemical targets,
  • Diamond drilling beneath thick transported cover.

• Altan’s technical team has a data base of all previous work representing substantial intellectual property over the tenement package.
Aries Target - Golden pig extension (SGW production 700t oz – 6 g/t)

- Northern strike extension of the Fraser Mine trending under the Lake Kooroordine salt lake along with the continuation of the Golden Pig trend into the SW corner of the tenement package.

- The Fraser/Golden Pig mineralised complex can be traced north using both the aeromagnetic and existing drill data.

- Interpreted mineralised structures extend beneath recent alluvial palaeochannel sediments which have hindered previous attempts at exploration. (targets are under a salt Lake)

- Much of the historic drilling has been shallow and ineffective given that a stripped profile exists directly beneath the palaeochannel which limits gold dispersion from the mineralised structures.
• located between the Corinthian and Hopes Hill mines.

• Very strong auger geochemical gold anomalism has been defined over a strike length of 4.3km between, and along strike from, the Corinthian and Hopes Hill deposits.

• Drilling has confirmed the surface gold anomalism and intersected ore-grade mineralisation within the FSZ at numerous locations along this 4.3km trend.

• Drilling has identified numerous mineralised shoots along the FSZ with best gold-in-hole values including 66.0, 16.2, 11.2, 8.9 and 7.9 g/t Au.
Aries Target

Gold Mines
• Northern strike from of the Corinthian deposit.

• Shallow High grade Diamond drilling to be followed up as a high priority target.
Hopes Hill Extension (Historical production 93t oz 1.8g/t)

- Strike extension of the Hopes Hill mineralised trend into Altan tenure
- The Hopes Hill mineralised structure can be traced south using both the aeromagnetic and surface geochemical data.
- Interpreted mineralised structures extend beneath recent alluvial palaeochannel sediments which have hindered previous attempts at exploration.
- Considered high probability source of tonnes for toll treatment.
Daly River Copper Zinc Project – Under Option

- Covers historic Daly River Copper Mine and base metal mineral field.
- ~12km of NNE trending strike in Lower Proterozoic intermediate to felsic volcaniclastic rocks.
- Numerous zones of VMS style stratiform Zn mineralisation and remobilized vein type deposits.
- Previous drilling intersected up to 26m @ 6.3% Zn (A26) and 8.5m @ 21.6%Zn (W26).
- Peko(1991) estimated target of 213,000 tonnes @ 18.7% Zn and 549,000 tonnes @ 6.6% Zn in southern and northern deposits.
- A large unexplored area with identified target areas lies to the north and east of these resources.
Anomaly A (650nT) (Non-JORC)
- W6: 4.6m@6.6% Zn, 0.6% Cu (40m)
- W2b: 13.7m@13.7% Zn, 0.5% Cu (56m)
- A3b: 21.0m@6.3% Zn 2.2% Cu (212m)
- 213,000 t@18.7% Zn, 0.65% Cu, 0.3% Pb
- 546,000 t@6.6% Zn, 2.2% Cu, 19g/t Ag

Warrs (50nT) (9 holes)
- W1: 5.8m@6.4% Zn, 0.7% Cu (82m)
- 58,000 t@8.5% Zn

Anomaly B (140nT) (4 holes)
- W8: 2m@3.4% Zn (90m)

Anomaly C (30nT) (5 holes)
- A13: 7.3m@8.3% Zn, 0.3% Cu (100m)

Knowles Farm (250nT) (13 x RC holes)
- KF3: 5m@8.0% Zn (2m)
- Rock Chip: up to 1.2% Pb, 78g/t Ag, 0.5g/t Au in aspy-bearing quartz veins
High Grade hits with potential for large tonnage resource.
Mongolian Porphyry Target

Chadman-Yol - large emerging district-scale copper-gold project.

Last Drilled in 2011 - All holes drilled in the intersected elevated metal values, with frequent 0.5% Cu and 0.5 g/t g Au from 1 to 3 m samples, spans an area of 2.8 x 2 km

Highest grade gold intersection achieved to date: CH-27, 1 m @ 28.02 g/t Au with visible gold in core.

Longest intersection of copper mineralization achieved to date: CH-18, 105.6 m @ 0.12% Cu from an IP anomaly in the Khuush zone (i.e. IP works)

CH-28 silver intersections:
13.2 m @ 43.12 g/t Ag, including;
  1 m @ 106.31 g/t Ag
  1 m @ 118.86 g/t Ag
39.6 m @ 24.57 g/t, including
  2.5 m @ 128.3 g/t
  2.2 m @ 114.26 g/t Ag
Board of Directors

John L.C. Jones AM - Chairman

Is a well known and respected mining identity, associated with a number of successful mining corporations in his 45 years of business. Mr Jones has previously been Chairman of North Kalgoorlie Mines, Jones Mining and Troy Resources Limited. and Anglo Australian Resources.

Paul Stephen - Director CEO

Paul has a Bachelor of Commerce degree from the University of Western Australia and is a member of the Australian Institute of Company Directors. He has held directorships across both ASX and London publicly listed companies and has a strong knowledge of compliance and regulation across multiple jurisdictions.

Mr. E. Jones - Director.

Original founder of Altan Nevada Minerals Limited and Altan Rio Minerals Limited. Prior to that, he was the Commercial Manager of Troy Resources Brasil Participacoes Ltd., a subsidiary of Troy Resources NL, a mining company listed in Canada and Australia

Murray Seitz - Director

Mr. Seitz serves as Director for Altan Nevada Minerals Limited and Altan Rio Minerals Limited. Mr. Seitz has ten years of experience in mineral exploration, including corporate compliance, management and business development services. Specializing in capital raising and corporate communication and holds a Bachelor of Business Administration with a concentration in finance.

Kerry Griffin - Director

Mr Griffin has 18 years professional experience in mining geology, resource development and exploration in Australia, Southern Africa, South America and Mongolia including senior roles with Newcrest Mining, Consolidated Minerals, Aspire, Haranga and Ivanhoe Mines Mongolia.