

# Potential Mining Developments in the Northern Territory

**September 2018**

This document contains a summary of potential new mining developments in the Northern Territory over the next 1-5 years. It is not intended to be comprehensive and does not contain a number of projects that are at various stages of feasibility study.

Information presented in this report is supplied by the proponent company and from ASX and other public documents. All information should be confirmed with the proponent Company. For further information on mining developments, contact the Director Project Facilitation & Development of the NT Department of Primary Industry and Resources or visit the website at [www.minerals.nt.gov.au](http://www.minerals.nt.gov.au) or [resourcingtheterritory.nt.gov.au](http://resourcingtheterritory.nt.gov.au)

**1. Recent (Past 24 months)**

Company	Project	Location	Product	Development
Australian Abrasive Minerals Pty Ltd.	Harts Range (Spinifex Bore)	Alice Springs	Garnet sands	New mine
Newmont Mining	Tanami Ops	Tanami	Gold	Mine Expansion
OM Manganese	Bootu Creek	Tennant Creek	Manganese	Reopen mine
Australian Ilmenite	Sill 80	Roper River	Ilmenite	Reopen mine
Edna Beryll Mining Co	Edna Beryl	Tennant Creek	Gold	Reopen mine
Gulkula Mining	Dhupuma	Arnhem Land	Bauxite	New mine

**2. Pending (Next 12 months)**

Company	Project	Location	Product	Development
Arafura Resources	Nolans	Alice Springs	Rare Earths	New mine
KGL Resources	Jervois	Alice Springs	Base metals	Reopen mine
TNG Limited	Mt Peake	Alice Springs	V, Ti, Fe	New mine
Verdant Minerals	Ammaroo	Tennant	Phosphate	New mine

**3. Potential (Next 12-60 months)**

Company	Project	Location	Product	Development
Ark Mines	Mt Porter	Pine Creek	Gold	New mine
Avenira	Wonarah	Tennant	Phosphate	New mine
Core Exploration	Grants	Darwin	Lithium	Reopen mine
Crossland	Charlie Creek	Alice Springs	Rare Earths	New mine
ERA	Ranger 3 Deeps	Jabiru	Uranium	U/G Expansion
Korab Resources	Winchester	Batchelor	Magnesite	New mine
NTIO	Roper Valley	Roper River	Iron Ore	New mine
PNX Metals	Hayes Creek	Pine Creek	Base metals	Reopen mines
Primary Gold	Toms Gully	Darwin	Gold	Reopen mine
South 32 (Gemco)	Eastern Leases	Groote Eylandt	Manganese	Mine Expansion
Territory Iron	Yarrum	Batchelor	Iron Ore	New mine
Tellus Holdings	Chandler	Alice Springs	Salt products	New mine
Thor Mining	Molyhil	Alice Springs	Mo, W	Reopen mine
Vista Gold	Mt Todd	Katherine	Gold	Reopen mine

**PENDING MINE DEVELOPMENTS – NEXT 12 MONTHS**

Mine Name	<b>NOLANS</b>
Company	Arafura Resources Limited
Contact	Brian Fowler – General Manager Northern Territory & Sustainability Phone: (08) 8947 5588 Email: <a href="mailto:arafura@arultd.com.au">arafura@arultd.com.au</a>
Location	135 km northwest of Alice Springs
Description	New mine. Open cut mining, beneficiation to a mineral concentrate and subsequent chemical processing to produce intermediate rare earth product, which will be shipped from Nolans to an international JV toll refining facility.
Product	Rare earths & Phosphoric acid.
Resource	56 Mt containing 2.6% REO, 12% P <sub>2</sub> O <sub>5</sub>
Mine Life	40+ years based on identified resources.
Approvals	Environmental – EIS submitted May 2016, EIS Supplement lodged in Feb 2017 and Update in Oct 2017. NT EIS assessment completed with EPA Assessment Report & Recommendations issued Dec 2017. Assessment completed by DoEE Canberra with approval issued in May 2018 (consistent with NT EPA recommendations).  Mining – subject to environmental and Mining Management Plan approvals.
Proposed Schedule	Flowsheet piloting work in progress and DFS completion and investment decision in H2 2018. Detailed engineering scheduled for H1 2019 with a construction period of 24 months starting in H2 2019, subject to finance and approvals.
Jobs	Construction – 400-500 Operations – 250-300
Capex	Currently US\$680M (with further savings being evaluated)

Mine Name	<b>JERVOIS</b>
Company	KGL Resources Limited
Contact	Denis Wood – Executive Chairman Phone: (07) 3071 9003 Email: <a href="mailto:dwood@kglresources.com.au">dwood@kglresources.com.au</a>
Location	Approx 380 kms by road north-east of Alice Springs.
Description	Reopen old mine based on open cut and underground operation. Ore will be processed via conventional flotation processing facility to produce a copper concentrate. A second product of lead zinc concentrate will also be produced in certain ore zones. Project undergoing further optimisation studies.
Product	Copper concentrate with silver and gold credits plus a separate lead and zinc concentrate with silver and gold credits.
Resource (JORC)	25.2 Mt @ 1.53% Cu & 29.2 g/t Ag (containing 384,800 tonnes Cu & 23.6 Moz Ag)
Mine Life	12 years plus (optimisation studies are continuing)
Approvals	Terms of Reference for EIS issued 28 May 2014. Pre-Feasibility Optimisation Study released on 16 Oct 2015. Project variation submitted Jan 2017. Revised TOR for EIS issued August 2017. EIS being prepared for submission in Oct 2018.
Proposed Schedule	Construction – Q2/3 2019 Production – Q2/3 2020
Jobs	Construction – Peaking at about 360 Production – Peaking at about 300
Capex	Initial Capex \$189.5M

Mine Name	<b>MOUNT PEAKE</b>
Company	TNG Limited
Contact	Paul Burton – Managing Director Phone: (08) 9327 0900 Email: <a href="mailto:peb@tngltd.com.au">peb@tngltd.com.au</a>
Location	235 kms north of Alice Springs
Description	Open pit mining & onsite processing to produce a magnetite concentrate. Concentrate railed to processing site near Darwin to produce high purity iron, vanadium and titanium products. New processing technology developed. Definitive Feasibility Study completed July 2015 and updated in November 2017.
Product	High purity Vanadium (99% V <sub>2</sub> O <sub>5</sub> ), Titanium Pigment & Pig Iron.
Resource	160Mt @ 0.3% V <sub>2</sub> O <sub>5</sub> , 5% TiO <sub>2</sub> , 23% Fe (120Mt Measured JORC)
Mine Life	Approx 20 years
Approvals	Environmental Assessment Report and Recommendations issued by NT EPA in January 2018. Federal EPBC environmental approval issued by DoEE in May 2018. Mining Management Plan is in preparation.  Separate proposal and approval process for proposed Darwin Refinery.
Proposed Schedule	Construction (Mine) – H2 2019 Production (Mine) – H2 2021
Jobs	Construction (Mine) – up to 350 Production (Mine) – 175 to 250
Capex	\$853M for Stage 1 & \$ 969M for Stage 2 (from DFS update Nov 2017)

Mine Name	<b>AMMAROO</b>
Company	Verdant Minerals Ltd (formerly Rum Jungle Resources Ltd)
Contact	Chris Tziolis – Managing Director Phone: (08) 8942 0385 Email: <a href="mailto:ctziolis@verdantminerals.com.au">ctziolis@verdantminerals.com.au</a>
Location	220 kms SE of Tennant Creek
Description	New mine – open cut strip mining operations with crushing and screening to produce Phosphate Rock Concentrate for export or conversion to phosphoric acid for export or further conversion to ammonium phosphate fertilizers. Pre-Feasibility completed in Sept 2014. Securing strategic industry investor. Submission of EIS in Oct 2017 and Supplement in July 2018. Bankable Feasibility Study was completed in May 2018.
Product	Rock phosphate concentrate.
Resource	Global Resource of 1.145 billion tonnes @ 14% P <sub>2</sub> O <sub>5</sub> (10% cut-off) or 338 Mt @ 18% P <sub>2</sub> O <sub>5</sub> (15% cut-off) Measured Resource of 138 Mt @ 15.7% P <sub>2</sub> O <sub>5</sub> (10% cut-off)
Mine Life	25 years plus (Potentially as much as 100 years)
Approvals	Environmental – Draft EIS submitted to NT EPA in October 2017 and Supplement to EIS submitted July 2018. Federal EPBC approvals issued in June 2018.  Mining – pending environmental approvals.
Proposed Schedule	Construction – March 2019 Production – 2020
Jobs	Construction – Up to 350 Production – Up to 165
Capex	Estimates for initial capex for 1Mtpa (DSO Stage 1) \$368M then \$200M for Stage 2 (an additional 1Mtpa) – (From BFS).

**POTENTIAL MINE DEVELOPMENTS – NEXT 13 - 60 MONTHS**

Mine Name	<b>MOUNT PORTER</b>
Company	Ark Mines Limited
Contact	Roger Jackson – Managing Director Phone: 0400408550 Email: <a href="mailto:rjackson@arkmines.com.au">rjackson@arkmines.com.au</a>
Location	Approx 180 kms south east of Darwin and 20 Kms north of Pine Creek
Description	New mine. Gold ore to be extracted by standard open cut operations and trucked to Union Reef Process plant for toll treatment. Due to closure of the Union Reef mill, Ark are assessing other processing options. As such development is likely to be delayed until 2019 subject to relevant approvals.
Product	Gold dore
Resource	355,000t @ 3.0 g/t Au for 34,200 ozs Au
Mine Life	6 Months
Approvals	Environmental – 2007 & 2016 Mining – Dec 2016
Proposed Schedule	Construction – 2019 Production – 2019
Jobs	Construction – TBA Production – 37
Capex	TBA

Mine Name	<b>WONARAH/ARRUWURRA (STAGE 1)</b>
Company	Avenira Limited (Minemakers Australia Pty Ltd)
Contact	Rod Wheatley – Chief Financial Officer & Company Secretary Phone: (08) 9264 7000 Email: <a href="mailto:rwheatley@avenira.com">rwheatley@avenira.com</a>
Location	250 kms east of Tennant Creek
Description	Proposed open cut mine with processing on-site using improved hard process (IHP) to produce super phosphoric acid (SPA) @ 70% P <sub>2</sub> O <sub>5</sub> . Phased development with the first production train producing 181,000 t P <sub>2</sub> O <sub>5</sub> per annum, progressively increasing to 0.9 Mt per annum over six year period.
Product	Super phosphoric acid (SPA)
Resource	842 Mt @ 18.1% P <sub>2</sub> O <sub>5</sub> (10% cut-off ); 1,406 Mt @ 13.5% P <sub>2</sub> O <sub>5</sub> (5% cut-off )
Mine Life	>30 years
Approvals	Environmental: June 2013 Mining – pending validation of IHP technology
Proposed Schedule	Development schedule dependent on successful validation of IHP technology. July 2017- secured funding to accelerate next step to commercialise IHP technology. March 2018 new demonstration plant completed with first test run in June 2018. August 2018, Avenira reported successful production of super-phosphoric acid from low quality rock phosphate. JDC now planning to further upgrade the commercial demonstration plant for on-demand sustained operations. By early 2019, the plant will be capable of testing various qualities of ore raw material and will then complete process design engineering for commercial scale applications of the IHP technology.
Jobs	Construction – 50 to 200                      Production – 110 rising to 350 at full production
Capex	Estimated initial capital \$350M (stage 1) increasing to \$1.2B over 6 years.

Mine Name	<b>GRANTS LITHIUM PROJECT</b>
Company	Core Exploration Limited
Contact	Blair Duncan – General Manager Project Development Phone: 0448 883 204 Email: <a href="mailto:bduncan@coreexploration.com.au">bduncan@coreexploration.com.au</a>
Location	32 kms SSW of Darwin and 36 kms WNW of Berry Springs
Description	Proposed open cut mining operation using conventional mining techniques (drilling and blasting, with extraction by excavator and dump truck). The ore is an inert pegmatite (similar to a coarse granite) which will be processed by crushing to produce a Direct Shipping Ore (DSO) or a concentrate. No chemical processing is required. Product will be transported 88 kms by road to Darwin Port for export. Mining Study completed in Mar 2017 and Pre-Feasibility Study released June 2018. Definitive Feasibility Study commenced and due for completion in late 2018.
Product	DSO pegmatite (1.5% Li <sub>2</sub> O) or pegmatite concentrate (6% Li <sub>2</sub> O).
Resource	2.03 million tonnes @ 1.5% Li <sub>2</sub> O
Mine Life	2-3 years
Approvals	Environmental – In Progress – A Notice of Intent submitted to NT EPA in Nov 2017. In May 2018, EPA determined EIS required and issued “Terms of Reference” in August 2018. The Draft EIS is expected to be submitted in late 2018. Mining – pending environmental approvals.
Proposed Schedule	Construction – 2019 Production – 2020
Jobs	Construction – TBA Production – 50 to 100
Capex	\$53.5M (from FPS)

Mine Name	<b>CHARLEY CREEK</b>
Company	Crossland Strategic Metals Limited
Contact	Eric Vesel – CEO/Executive Director Phone: +60199887931 Email: <a href="mailto:asxcux@gmail.com">asxcux@gmail.com</a>
Location	Approx. 95 km WNW of Alice Springs
Description	Potential new mine. Open cut mining & processing through a wet and dry mineral concentrator to produce a high grade (40%+) TREO concentrate with further refining to yield a high purity mixed rare earth carbonate product.
Product	Rare earths, zircon and possibly other heavy mineral by-products.
Resource	Pre-2012 JORC compliant resource study released in 2013. Indicated 387Mt containing 114,050 tonnes TREO & 195,000 tonnes zircon. Inferred 418Mt containing 121,100 tonnes TREO & 220,000 tonnes zircon.
Mine Life	Scoping Study released in 2013 based on 20 years + (additional potential)
Approvals	Development proposals yet to be submitted.
Proposed Schedule	Further resource drilling and resource estimate in 2018. Scoping Study and economic appraisal update in 2018. Pre-Feasibility Study due in 2019 (subject to finance).
Jobs	150
Capex	\$156M

Mine Name	<b>RANGER 3 DEEPS</b>
Company	Energy Resources of Australia Ltd (ERA)
Contact	James O'Connell – Company Secretary Phone: (08) 8942 5798 Email: <a href="mailto:james.oconnell@riotinto.com">james.oconnell@riotinto.com</a>
Location	Approx 260 kms east of Darwin
Description	Proposed underground development with ore processed at existing facilities. Exploration Decline completed Q4 2014 and PFS completed Q1 2015. On 11 June 2015, ERA announced that the Ranger 3 Deeps project will not proceed to Final Feasibility Study in the current operational environment. Project economics require operation beyond the current Ranger Authority (Jan 2021).
Product	Uranium (U <sub>3</sub> O <sub>8</sub> )
Resource	Estimated 19.58 Mt @ 0.224% U <sub>3</sub> O <sub>8</sub> equating to 43,858 t of uranium oxide.
Mine Life	Requires extension beyond January 2021
Approvals	Environmental – Draft EIS submitted Mining – subject to enviro approvals
Proposed Schedule	Construction – TBA Production – TBA
Jobs	Construction – 100-150 Production – TBA
Capex	Includes \$120M for exploration decline and \$57M for PFS

Mine Name	<b>WINCHESTER</b>
Company	Korab Resources Limited
Contact	Andrej Karpinski – Executive Chairman  Phone: (08) 9474 6166 Email: <a href="mailto:akk@korab.com.au">akk@korab.com.au</a>
Location	Approx 70 kms south of Darwin and 2 kms east of Batchelor.
Description	Potential open pit mining operation with on-site processing through simple crushing, screening and sorting. Ore will be trucked to Darwin port for export. Results of the Feasibility Study released in January 2015 and updated in March 2018.
Product	Magnesite (Magnesium Carbonate) DSO rock
Resource	16.6 Mt @ 43.2% MgO
Mine Life	Pre-Feasibility Study (PFS) based on up to 12 years at variable mining rates. Current Mine Plan based on 300,000tpa for 10 yrs or 600,000 tpa for 5 yrs.
Approvals	Development proposals to be submitted in Q4 2108.
Proposed Schedule	Construction – 2019 Production – 2019/20
Jobs	Construction – TBA Production – Up to 36
Capex	\$2.5M (from Pre-Feasibility Study).

Mine Name	<b>ROPER VALLEY IRON ORE</b>
Company	Northern Territory Iron Ore Pty Ltd
Contact	Bill Mackenzie – Managing Director Phone: To Be Advised Email: <a href="mailto:bill.mackenzie@ntio.com.au">bill.mackenzie@ntio.com.au</a>
Location	420 kms south-east of Darwin and 150 kms east of Mataranka.
Description	Conventional open pit mining from Deposits C, W and X. On-site processing will involve conventional crushing and screening, to produce 2-6 Mtpa of saleable iron ore. Ore will be transported by public roads to a purpose built Barge Loading Facility located near the mouth of the Roper River, from where it will be transhipped by barges to Ocean Going Vessels moored offshore in the Gulf of Carpentaria.
Product	Iron Ore (2-6 Mtpa)
Resource	>490 Mt @ 42% Fe, including >40 Mt @ 58% Fe.
Mine Life	>20 years
Approvals	Environmental – Notice of Intent submitted to NTEPA in March 2017. In July 2017 the EPA required an EIS and issued Terms of Reference in Nov 2017. EPBC Act referral – determined the project a “controlled action” on 29 June 2017. Mining – pending NT EPA assessment and EPBC approvals.
Proposed Schedule	Construction – 2019 Production – 2020
Jobs	Construction – 200-400 Production – 150-300
Capex	To Be Advised

Mine Name	<b>HAYES CREEK PROJECT (IRON BLOW &amp; MT BONNIE)</b>
Company	PNX Metals Limited
Contact	James Fox – Managing Director & CEO Phone: (08) 8364 3188 Email: <a href="mailto:james.fox@pnxmetals.com.au">james.fox@pnxmetals.com.au</a>
Location	Approx 170 kms SSE of Darwin
Description	Re-open the historic Iron Blow and Mt Bonnie mines to establish open cut and underground mining operations and a regional 450,000 tpa processing plant at Fountain Head mine site. Scoping Study completed Mar 2016 & Preliminary Feasibility Study completed in July 2017. Definitive Feasibility Study commenced and due in H2 2018.
Product	Zinc in concentrate, Precious Metals in concentrate
Resource	4.15Mt @ 4.4% zinc, 2.03 g/t gold, 128 g/t silver, 1% lead and 0.3% copper for contained metals of 182Kt zinc, 271Koz gold, 17.1Moz silver, 41Kt lead & 12Kt copper.
Mine Life	8 years
Approvals	Development proposals (NOI) submitted to NT EPA in August 2018.
Proposed Schedule	Construction – 2019/20 Production – 2020
Jobs	Construction – 150 Production - 130
Capex	Approximately \$58M (from PFS)



Mine Name	<b>TOMS GULLY</b>
Company	Primary Gold Limited
Contact	Garry Mills Phone: (08) 6143 6700 Email: <a href="mailto:gmills@hanking.com.au">gmills@hanking.com.au</a>
Location	Approx 90 kms east of Darwin
Description	The company has placed the broader Mt Bundy proposal on hold and has returned focus to the reopening of the Tom's Gully mine and development of underground resources. The company is reviewing all past studies to update to today's economics and gold price. Additional drilling of the underground resource is scheduled to commence in September 2018. Subject to environmental approvals the company plans to dewater Tom's Gully open pit in 2019, commence refurbishment operations in 2020 and production in 2021.
Product	Gold
Resource	Global Resource 54 Mt @ 1.03g/t Au (1.8Moz gold) Ore Reserve 775,000 tonnes at 6.9g/t Au (175koz gold)
Mine Life	3-4 years
Approvals	Toms Gully Development proposal submitted in Dec 2013. Draft EIS submitted Sept 2015. Supplement to the EIS submitted to NT EPA in August 2018. Mining approvals subject to completion of environmental processes.
Proposed Schedule	Construction – 2020 Production – 2021
Jobs	Construction – TBA Production – approx. 100
Capex	\$30M

Mine Name	<b>GEMCO – EASTERN LEASES</b>
Company	South 32 Pty Ltd (GEMCO)
Contact	Mike Chapman – Project (Study) Manager Eastern Leases Phone: (08) 8987 4435 Email: <a href="mailto:mike.chapman@south32.net">mike.chapman@south32.net</a>
Location	Approx 650 kms SE of Darwin
Description	Develop a number of additional quarries on the eastern leases, approx. 2 kms east of the existing mine. Ore will be trucked to the existing GEMCO mine facilities for processing and exported from the existing Milner Bay port.
Product	Manganese (Grade ~43% Mn)
Resource	39 Mt of manganese ore (dry tonnes)
Mine Life	Eastern Leases will extend the current operational mine life to 2031.
Approvals	NT Environmental Assessment completed in March 2016. Commonwealth EPBC approvals obtained in June 2016. ALRA Mining Agreement obtained in May 2016. Mineral Leases granted in August 2016. NT Aboriginal Sacred Sites Act Authority Certificate obtained in November 2016. Feasibility planned in 2020.
Proposed Schedule	Construction – 2021 Production – 2022
Jobs	Construction – 90 Production – Existing Workforce
Capex	\$160M (Pre-Feasibility Study)

Mine Name	<b>THE CHANDLER FACILITY</b>
Company	Tellus Holdings Ltd <a href="http://www.tellusholdings.com.au">www.tellusholdings.com.au</a>
Contact	Duncan van der Merwe – Group Managing Director Phone: (02) 8257 3395 Email: <a href="mailto:info@tellusholdings.com.au">info@tellusholdings.com.au</a>
Location	Approx 120 kms south of Alice Springs
Description	New mine. Development of an underground rock salt mine for industrial and edible salt and using the voids resulting from mining for secure storage of equipment and archives recovery of valuable materials and permanent isolation of difficult to manage wastes including hazardous chemical wastes as listed under the NT Schedule 2 of the Waste Management Pollution Control Regulations. A surface storage and transfer facility will support operations at the Chandler Facility. Surface facilities include dry salt processing plant, offices, workshops, utilities services and an onsite accommodation. PFS (FEL2) completed in Q3 CY2016. Subject to Board approval in Dec 2018, the BFS (FEL3) planning, field work (to address requirements in the NT EPA Assessment Report) and final engineering to commence in Q1 CY2019.
Product	Industrial and edible salts; Storage of equipment and archives; and Long term storage, recovery and permanent isolation of difficult to manage chemical wastes.
Resource	309 Mt Halite (NaCl) JORC Measured Resource = 525 year mine life at an average of 500,000 tonnes per annum.
Mine Life	Minimum 25 years with potential to exceed 100 years
Approvals	Environmental – NT environmental assessment process completed on 30 November 2017. Federal EPBC Act approvals issued 11 September 2018. Mining – Pending all environmental approvals, FEL 3 & Mining Management Plan.
Proposed Schedule	Construction (Chandler Mine) – H2 CY2020; Temporary storage at Chandler mine site – H2 CY2020 (subject to approval); Production – H1 CY2024 (as above)
Jobs	Construction – 270 to 540 Production – 150 to 180
Capex	\$676M (including financing costs)

Mine Name	<b>YARRUM IRON ORE PROJECT</b>
Company	Territory Resources Limited (Territory Iron Pty Ltd)
Contact	Daniel Taylor – CEO Gold Valley Iron & Manganese Phone: (08) 8919 4658 Email: <a href="mailto:daniel@goldvalley.com.au">daniel@goldvalley.com.au</a>
Location	Approx 61 kms south of Darwin and 7 kms north-west of Batchelor.
Description	Potential open pit mining operation with on-site processing through simple crushing and screening. The mine will operate 24 hours per day for 5 days a week (Monday to Friday). Site infrastructure will include office and administration buildings, crib facilities, diesel generators, haul roads, open cut pit, ROM pad, crushing and screening plant, high grade and low grade ore stockpiles, waste rock dumps and mine water dam. Ore will be trucked to Darwin port for export.
Product	Iron Ore circa 61% Fe
Resource	15.1 Mt @ 52.1% Fe, including 4.56 Mt @ 61.7% Fe
Mine Life	18 years.
Approvals	Development proposal (NOI) submitted to NT EPA on 8 May 2108.
Proposed Schedule	Construction – 2019 Production – 2020
Jobs	Construction – 25 to 35 Production – 48 direct + indirect
Capex	TBA

Mine Name	<b>MOLYHIL</b>
Company	Thor Mining PLC
Contact	Mick Billing – Chairman Phone: (08) 7324 1935 Email: <a href="mailto:corporate@thormining.com">corporate@thormining.com</a>
Location	220 kms northeast of Alice Springs
Description	Proposed open pit mining operation with on-site processing by flotation to produce W and Mo concentrate. Definitive Feasibility Study completed in July 2012 with upgrade in Jan 2015. Letter of Intent signed for tungsten offtake. Development subject to finance. New Exploration Licence granted adjacent to project area. Additional drilling being undertaken to increase resource and mine life. Upgraded Feasibility Study released on 23 August 2018.
Product	Tungsten (scheelite) and Molybdenum concentrates.
Resource	4.7Mt at 0.28% WO <sub>3</sub> and 0.13% Mo (indicated and inferred)
Reserve	Open cut Ore Reserve of 3.5 Mt at 0.29% WO <sub>3</sub> and 0.12% Mo (probable)
Mine Life	Initially 7 year as open pit, with substantial upside potential from subsequent underground potential and from nearby Bonya tungsten deposits.
Approvals	Environmental – Nov 2011 Mining – pending assessment of MMP
Proposed Schedule	Development subject to obtaining project finance and securing the balance of concentrate off-take agreements. Construction – 2019 Production - 2020
Jobs	Construction – 60 Production – 70
Capex	\$69M

Mine Name	<b>MT TODD</b>
Company	Vista Gold Australia Pty Ltd
Contact	Brent Murdoch – Director & General Manager Australia Phone: (08) 8941 9105 Email: <a href="mailto:bmurdoch@mttodd.com.au">bmurdoch@mttodd.com.au</a>
Location	250 kms south of Darwin and 55 kms north of Katherine
Description	Reopen the Mt Todd Gold Mine. Conventional open pit mining extracting up to 17.8 million tonnes per annum of ore for onsite processing through newly constructed CIL Plant. Prefeasibility Study and NT Environmental Impact Statement completed. Federal approval under the EPBC Act was granted in Jan 2018. An update of the Prefeasibility Study was completed in Jan 2018. The Mt Todd Agreement between the NT Government and Vista Gold has been extended until 2023. The Feasibility Study could be commenced in Q4 2018.
Product	Gold dore (370,000 ozs pa)
Resource	7.4 million ozs of measured and indicated and 1.7 million ozs of inferred
Mine Life	19 years (including 2 years construction plus 5 years closure/reclamation)
Approvals	Environmental – June 2014 (NT), Federal EPBC approvals issued Jan 2018. Mining – Draft MMP submitted for review.
Proposed Schedule	Construction – 2019 Production – 2021
Jobs	Construction – 400-450 Production – 350-400
Capex	\$1.05B

# Mineral Projects of the Northern Territory

