
BREAKAWAY MINING RESEARCH

DAILY REPORT

Wednesday, 31st May 2017*

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OVERNIGHT COMMENTARY

Markets

U.S. stocks halted a seven-day advance as data showing a rebound in consumer spending offset a wider selloff in commodities. Treasuries advanced amid month-end buying according to Bloomberg.

Commodities

All commodities fell overnight apart from nickel.

Anglo American

In its continuing programme of disposal of its non-core assets, Anglo American has announced the sale of its underground thermal coal mine at Dartbrook in the Hunter valley, NSW, to Australian Pacific Coal. The announcement, which does not provide commercial details of the transaction, notes that the operation has been on care and maintenance since 2006. The mine is reported to have measured and indicated resources of 101.9m tonnes with a thermal value of 5700 kcal/kg and an additional inferred resource of 1.3mt at 5080kcal/kg.

**prepared based on announcements made by ASX Listed Resource Companies on the preceding day*

COMMODITY PRICE MOVEMENTS

Commodity Prices	Price	Daily Change	Market Movements	Price/Level	Daily Change
Base Metal Prices (US\$/lb)			Broad Market Indices		
Copper	2.56	2.5%	DJIA	21,029.47	-0.2%
Lead	0.95	-0.8%	FTSE-100	7,526.51	-0.3%
Zinc	1.19	-0.7%	S&P/ASX 200	5,717.90	0.2%
Nickel	4.11	0.4%	Mining and Energy Indices		
Aluminium	0.87	-1.3%	S&P/ASX 200 Resources	3,380.20	0.4%
Tin	9.32	0.0%	S&P/ASX 300 Metals & Mining	2,919.50	0.7%
Cobalt	25.45	0.6%	S&P/ASX 200 Energy	9,456.70	-0.7%
Molybdenum	7.81	-0.1%	S&P/ASX All-Ordinaries Gold	4,396.70	1.1%
Precious Metal Prices (US\$/oz)			Global Mining		
Gold	1263	-0.4%	S&P/TSX Global Mining	65.16	-0.3%
Silver	17.27	-0.8%	Commodity Indices		
Platinum	944	-0.7%	CRB Index	183.01	-0.4%
Energy			LME Index	2769.80	0.0%
Oil WTI (US\$/bbl)	49.41	-1.1%	S&P GSCI	2256.83	0.0%
Thermal coal (US\$/t)	73.40	-0.6%	Baltic Dry	900.00	-1.3%
Iron ore (US\$/t)	61.25	0.0%	Overnight snapshot		
Exchange Rates			Sources include Bloomberg, Macquarie, TradingEconomics, S&P, Commsec, Xe.com, marketindex.com, Reuters, Breakaway Research yahoofinance.com		
AUD/USD	0.746	0.8%			
EUR/USD	1.117	-0.3%			
USD/ZAR	13.13	1.2%			

MARKET REVIEW

New Deals (& Deals In Progress Or Terminated) & Tenure News

ASX Code	Company Name	Details
POS	POSEIDON NICKEL	The gold rights over the tailings on the Windarra Tenements given to ASX-GTI by POS have been terminated.

Production or Emergent Production News (From completed DFS/BFS onwards)

ASX Code	Company Name	Details
SAU	SOUTHERN GOLD	Development of an adit to access residual ore from the base of the Pit at the Cannon Au Mine has commenced. Mining is being undertaken and funded by Westgold Resources on a 50% basis.
SUM	SUMATRA COPPER & G	Waste material comprising mainly of mud from historic backfill, has been removed from the pit floor at the Tembang Au Ag Project Indonesia and normal operations have resumed. CY 17 guidance has been reduces by 5koz Au to 40-50koz Au
MMI	METRO MINING	Have signed a non-binding LOI with Shandong Aluminum Company covering the supply of 0.5-1Mtpa Bauxite for 3 years.
CAP	CARPENTARIA EXPLORATION	Have signed an LOI with Shagang International to purchase 2.5Mt pa of Hawson's Supergrade Iron Ore Pellets. The initial production is now over-subscribed with LOI's for 11.4Mtpa from Asia and Middle East.
VMY	VIMY RESOURCES	Have establishes a third uranium converter account for the Mulga Rock Project WA, this time with ConverDyn. Mulga Rock uranium concentrates will be shipped to all 3 convertors for further processing into nuclear fuel.
FTZ	FERTOZ	Have gained organic certification for the US States of California and Washington for the Company phosphate fertilizer range from its operations in the USA and BC Canada

Feasibility Studies (Including Scoping Pilot And Appraisal Study Results)

ASX Code	Company Name	Details
APC	AUSTRALIAN POTASH	APC report that lab test work has confirmed the ability to convert muruate of potash (MOP) to sulphate of potash (SOP) on samples from the Lake Wells Potash Project WA.

Feasibility Studies (Including Scoping Pilot And Appraisal Study Results) Continued...

IMA	IMAGE RESOURCES	The BFS at the Boonanarring/Atlas Project WA has returned a project producing ilmenite, leucoxene, rutile and zircon, with an initial LOM of 5 years at Boonanarring and a further 3 years at Atlas. Total estimated pre-production capex is \$52M. Project revenues are estimated at \$793M and operating costs \$489M. IMA are planning to have funding in place in Q3 17 with production by March 18.
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Resource and Reserves Updates

ASX Code	Company Name	Details
GMR	GOLDEN RIM	Updated resources at the Patricia Deposit (Paguanta Zn Pb Ag Project Chile) are 2.4Mt @ 5%Zn 1.4%Pb 88g/t Ag 0.3g/t Au.
SFR	SANDFIRE RESOURCES	Updated Mine Plan at De Grussa Cu Mine and including the Monty Cu Project is 7Mt @ 5.1%Cu 1.6g/t Au for 359kt Cu and 368koz Au contained. Underground contained reserves are 337kt Cu and 355koz Au, with open pit reserves 35kt Cu 84koz Au.

Drilling Results

ASX Code	Company Name	Details
MRP	MACPHERSON	Assays from 3 DD holes at Southern Stockwork Deposit (Boorara Au Project WA) intersected 5 intervals noted by MRP, including 22m @ 2.2g/t Au (true width) from 181mdh hosted within mineralized dolerite. Inaugural RC drilling at Crown Jewel (250m N of Boorara Trial Pit) has intersected 3 intervals noted by MRP including 18m @ 2.1g/t Au from 107mdh. The possible 1500m strike of the Boorara system is now being drill tested.
BPT	BEACH ENERGY	Have cased and suspended as a future producer, the Callewonga – 18 Well at TD 1582m (75% BPT 25% Coe). The well is part of 5 well program evaluating the reservoir potential of the McKinlay Member Sandstone Cooper Basin
LCD	LATITUDE CONSOLIDATE	Drilling over a 1,350m strike length to depths of 50mdh at Tim's Find (Mt Ida Au Project WA) has outlined 3 intervals noted by LCD including 4m @ 3.3g/t Au from surface. Follow up soil sampling, drilling and resource modelling planned.
WRM	WHITE ROCK MINERALS	Drilling at Mt Carrington Au Ag NSW has returned 2 intersections noted by WRM including 11m @ 4.2g/t Au 86g/t Ag from 58mdh.
SRZ	STELLAR RESOURCES	The first of 9 DD holes at Queen Hill Prospect (Heemskirk Tin Project Tas) has intersected 6m @ 0.85% Sn from 209mdh, associated with basalts and black shales. The second hole is underway.

Drilling Results Continued...

BRB	BREAKER RESOURCES	Infill RC and DD drilling at the Bombora Prospect (Lake Roe Au Project WA) have returned 11 intersections noted by BRB including 28m @ 6g/t Au from 40mdh. Drilling continuing. AC extension drilling results to both the north and south over 6kms of strike are expected in 2 weeks.
WCN	WHITE CLIFF MINERALS	Project review of historic drilling at the Ghan Well Prospect near Laverton WA has identified 4 intersections noted by WCN including 11m @ 0.15% Co from 25m depth

Drilling Planned, Underway or Completed (with Assays Pending)

ASX Code	Company Name	Details
TSV	TRANSERV ENERGY	The JV Operation Agreement for the Xanadu -1 Well to be drilled near Dongara Offshore Perth Basin WA has now been completed with TSV contributing 20% of the cost of the well for a 15% WI. The well will target Permian sands around 800m depth. 3C Group & ASX – TEG will both contribute 40% for a 30% WI. ASX-NEW will be free carried for 25%WI.
LOM	LUCAPA DIAMONDS	Drilling of kimberlite pipes at the Lulo Diamond Project Angola has been accelerated following the end of the wet season. The drill hole targeting is being guided from the results of helicopter borne TDEM Geophysical Survey.
PNN	PEPINNINI MINERALS	Drilling is underway at the Salta Lithium Pocitos Project Argentina.
IPT	IMPACT MINERALS	Approvals given for follow up drilling at the Commonwealth Au Ag Project 100kms N of Orange NSW. The program will test a number of targets along trend and at depth.
AXE	ARCHER EXPLORATION	Reconnaissance RC drilling at the Blue Hills Prospect (North Burra Cu Project SA) has intersected visual malachite mineralization. Assays pending
AVL	AUSTRALIAN VANADIUM	18 RC holes (1400m) have been completed over the Blesberg Lithium Project in South Africa. Assays pending.

Other Announcements on Existing Projects

ASX Code	Company Name	Details
RLC	REEDY LAGOON	An MT geophysical survey at the Columbus Marsh Lithium Brine Projects in Nevada USA, has identifies 3 drill targets. In a separate announcement RLG advice that they have lodged further claims in the area.

Other Announcements on Existing Projects Continued...

ANS	ANSON RESOURCES	ANS have estimated an Exploration Target for the brine volume within the Clastic Zone 31 Paradox Lithium Brine Project Utah USA, of between 30-40MMbbls based on historic oil well logs.
ARD	ARDIDEN	Field mapping and exploration is about to commence at the newly optioned Bold Properties Co Cu Ni Project Ontario Canada. In another announcement ARD report that Phase 2 resource drilling at the Seymour Lake spodumene Lithium Project Canada is progressing with another 5 DD holes completed. Assays awaited and will be followed by a resource estimate.
BSM	BASS METALS	Have completed technical Due diligence on the Millie's Reward Project Madagascar. Fieldwork has located spodumene bearing pegmatites with an 8km strike, from which rock chips have returned up to 7%Li ₂ O.
AGS	ALLIANCE RESOURCES	Have commenced a 34 line km moving loop EM survey to follow up HEM conductors at the Wilcherry Project SA (AGS51% ASX- TYX 49%)
MLS	METALS AUSTRALIA	Selective rocks chips to 28%TCG have been returned over a strike of 1.7kms at the Lac Rainy Est Graphite Project Canada. Trenching and drilling is being planned.
PWN	PARKWAY MINERALS	Initial sampling of surficial water samples at the Lake Barlee Potash Brine Project WA has returned solution assays to 2430 mg/l potassium.
LKE	LAKE RESOURCES	LKE report that the permitting for the tenure applications over 50kha, comprising the Company's Argentinian Lithium Brine Projects is progressing

Capital Raising / Financing (>\$1M)

ASX Code	Company Name	Details
AJQ	ARMOUR ENERGY	Conditions precedent for MH Carnegie & Co second tranche of Convertible Notes has now been satisfied triggering \$5.75M committed funds due from Carnegie and \$&M from other investors at a face value of 11 cents. A total of \$31.75M of Convertible Notes have now been received and \$1M in share placements.
CNL	CELAMIN HOLDINGS	Have raised \$1.05M to fund Arbitration of its dispute with a JV partner in relations to the Chaketma Phosphate Project Tunisia.

Corporate and Tenure News

ASX Code	Company Name	Details
HAR	HARANGA RESOURCES	Have appointed CPS Capital Group as corporate advisor and broker in the recapitalization of the Company.

Investor Presentations

ASX Code	Company Name	Details
TRT	TODD RIVER RESOURCES	TRT hold 12 separate base metal projects in the Northern Territory. Key projects include the Manbarrum Zn Pb Ag Project located 80kms NE from Kunanarra, where 37,000m of RC and DD have been completed, along with IP and Gravity surveys. TRT are of the view that the deposit is a classic MVT Zn deposit. The Company hold 50kms of prospective strike with 4 known deposits. The current resource is 22Mt @ 1.8% Zn 0.4%Pb 4.6g/t Ag at Sandy Creek Deposit. IP targets have been identified. A Scoping Study is proposed including metallurgical testwork. 17 EM targets have been identified at the Mt Hardy Zn Cu Project. Past drill intersections include 10m @ 1.35%Cu and 21m @ 4.3%Zn. Drilling currently underway with early intersections including 11m @ 1.2%Cu. 0.3% Zn, 13.1g/t Ag. 4 drill ready targets occur at the Walabanba Base Metal and Lithium Project, which includes the historic Anningie Tin Field and drilling is planned for Q2 17. The McArthur River Zn Cu Ag Project is located within the Batten Fault Zone which also hosts the Teena Deposit held by Teck. 5 anomalous areas have been identified for geophysical studies and drilling. Geological mapping, soil sampling, geophysics are planned at the Stokes Yard Zn Pb Cu Project east of Alice Springs.
CFE	CAPE LAMBERT	CFE is undertaking due diligence on a proposed JV over a 70% interest in the Kipushi Co Tailings Project DR Congo and 100% interest in a nearly completed processing plant is located 8kms from the tailings project; plus rights to acquire 100% of three other cobalt mineralized areas nearby at Kasombo. The tails came from the Lwiswishi open pit Co Cu Mine processed by a State Owned Mining Company over a 12 year period from 2012. The tails extend over 1kms in length and 400m in width and are thought to average 8m in depth. Preliminary samples suggest that the Co grade is around 0.6-0.75% Co and 0.5-0.86%Cu. CFE hope to commence mining the tailings within 6 months and to complete a feasibility study into the Kasombo Project within 18 months. The plant capacity is 4000tpa Cobalt 10,000tpa Copper and 2000tpa Zinc.
APC	AUSTRALIAN POTASH	APC hold the Lake Wells Sulphate of Potash (SOP) Project WA where a Scoping Study has been completed and a more detailed feasibility study is now underway and is estimated to be completed in Q1 18. The project involves brine extraction by way of a bore field and on playa pond evaporation ponds. The Company proposes to develop the project in two Stages (Stage 1 Years 1-5 – 150ktpa production SOP. Stage 2 – 6-20 years 300ktpa production SOP). There is a high sulphate content in the brine which will be used to convert Muriate of Potash (MOP) to SOP. The estimated average revenue \$795/t and LOM opex \$343/t. Total resources 14.7Mt SOP contained. Pilot studies planned for 2017. Targeting 2019 production.

Investor Presentations Continued...

LOM	LUCAPA DIAMONDS	LOM and its partners (LOM 40% & operator) are mining alluvial diamonds at Lulo Angola, where they have 3,000 sq km of tenure. LOM has also recently acquired 70% of the Mothae Kimberley Project in Lesotho which has all the on-site infrastructure required at a historical spend of \$US35M. The resource is 39Mt @ 2.7 cpht for 1.06M carats contained, hosted by a kimberlite pipe covering 8.8ha. LOM are targeting to develop the project in 2 Phases. Phase 1 Capex is estimated to be \$US12M and Phase 2 \$US79M. LOM plan to have Phase 1 in production within 12 months. LOM also hold early stage diamond projects in Botswana and Western Australia.
PRL	PETREL ENERGY	PRL hold tenure in the Norte Basin Uruguay and the Betic Alps in Spain, where in both cases the target is conventional oil & gas. At Lochend Cardium in Alberta Canada the target is tight oil in siltstones and sandstones. PRL is mobilizing a rig to drill a 4 well hydrocarbon exploration program in the 3.5M acre Norte Basin Tenure Uruguay. The aim of the program is to confirm source rock maturity, conventional reservoir quality and extent and confirm migration and potential trap integrity of the basin. PRL is planning to tap the local market as both Uruguay and Argentina import oil and gas. Drilling is also proposed in Canada.
CMM	CAPRICORN METALS	CMM hold the 1353 sq km Karlawinda Au Project SE of Newman WA where the current contained resources from the Bibra Deposit is 914koz Au @ 1.1g/t Au (92% indicated), hosted within broad shear zones over 1.1km of strike. A DFS into developing an open cut mine and conventional CIL/CIP Plant is in due for a completion in Q3 17, with a maiden ore reserve in Q2 17. Start of construction is targeted for Q1 18. CMM are of the view that there is considerable opportunity to expand the resource.
BRB	BREAKER RESOURCES	BRB hold the 550 sq km Lake Roe Au Project WA situated 100kms E of Kalgoorlie WA, where the focus is a 6km long Au mineralized zone discovered within sulphide lodes/stockworks hosted within dolerites, under 5-10m of cover. 3 separate deposits have been outlined including the Bombora Discovery over a strike length of 2.2kms. Other discoveries are Bombora North and The Gap Discovery. Resource drilling is underway at Bombora. 13 intersections are noted by BRB includes 7m @ 61.8g/t Au from 59mdh Maiden resource expected by December. AC extensional drilling is being undertaken along strike
CRB	CARBINE RESOURCES	CRB hold a 75% interest in the Mount Morgan Au Cu Project Qld, where a Feasibility has delivered a LOM 9.5 years project with a Maiden Ore Reserve of 9.9Mt @ 1.2g/t Au 0.16%Cu & 21% pyrite for 380koz Au and 16kt Cu contained reserve. The estimated pre-production capex is \$A85M and the AISC \$A 549/oz. The FS is based on a 1.1Mtpa plant thru put, involving a 3 stream processing facility, including Cu Resin Leach, Pyrite Concentrate Flotation and Au CIL. The average projected production is 30koz Au; 3.8ktpa CuSO4 and 214lt pyrite concentrate. CRB are undertaking a study on an extension of the project to 20 years. The Company has received Heritage Approval and is awaiting environment & regional planning approvals.

Investor Presentations Continued...

AJM	ALTURA MINING	<p>AJM are developing the Pilgangoora Lithium Project WA, where bulk earthworks commenced in Q1 17 and first spodumene concentrate sales are estimated in Q1 18. All long lead items have been ordered. The reserves are 30Mt @ 1.04%Li₂O (Resources 39Mt). Based on the DFS the LOM is 13 years. The production is estimated to be 220kt pa spodumene concentrate at 6% Li₂O at a cost of \$316/t FOB. . The project is 120kms from port facilities in Port Hedland. Offtake of the full targeted production has been arranged with Chinese Companies OptimumNano and Lionergy. The Company is divesting its core assets in Indonesia.</p>
DDD	3D RESOURCES	<p>DDD have acquired the Morne Bossa & Grand Bois Au Project Haiti. The historic contained oxide resource at Morne Bossa is 147koz Au @ 3.5g/t Au. The deeper sulphide contained resource is 156koz Au at 3.78g/t Au. Historic drill intersections include 51m @ 7.3g/t Au from 11mdh. DDD plan to fast track the project to production and at the same time to evaluate the regional potential of the project. The Grand Bois Au Project has a historic contained oxide resource of 273koz Au at 1.5g/t Au. Past drill intersections include 27m @ 19.3g/t Au. The projects occur within a volcanic belt that hosts the Pueblo Viejo 40Moz endowment Au Mine in neighboring Dominican Republic.</p>
AVI	AVALON MINERALS	<p>AVI has entered into a earn-in agreement with a TSX listed Company over the Bramaderos Porphyry Au Cu Project in Equator and exploration is expected to commence in June to evaluate several priority areas. Historic drilling intersections include 260m @ 0.6g/t Au 0.14%Cu. Trenching at the West Zone Breccia include 42m @ 3.7g/t Au. AVI also holds the Viscaria Cu Project in Northern Sweden. Contained Resources at Viscaria are 609Kt Cu at 1.2%Cu. AVI are of the view that there are opportunities to increase the resource both at depth below the present deposit and also along 6kms of strike. PFS in progress. In Southern Finland the Company holds 2400 sq km of tenure for exploration. Multiple Au bearing structures have been drilled at the Satulinmaki Au Prospect which extends over 4kms of strike. Intersections include 9.2m @ 7.3g/t Au. IP targeting and further drilling is planned in 2017.</p>
CTM	CENTAURUS METALS	<p>CTM have an extensive portfolio of resource assets in Brazil, which includes 3 Au Projects in the Carajas Mineral Province of Nth Brazil. CTM is undertaking a 19 hole 3500 m drilling program on the Serra Misteroisa Au Project where the target is a 5kms long gold in soils anomalies, with several strong IP anomalies identified. CTM also hold the Salebo West Cu/Au Project covering 12kms along strike from Vale's Salebo Cu Au Mine. The CTM also hold the Jambreiro Iron Ore Project in Brazil with a resource of 128Mt. The project is fully licensed. JV partners being sort to take the project forward. CTM have extended to Ecosinter a 12 months option to acquire the Company's Conquista DSO Fe Project.</p>

Investor Presentations Continued...

SMD	SYNDICATED METALS	<p>SMD is focused on the 210 sq km Monument Au Project WA immediately adjoining ASX-DCN Mt Morgans Au Mine. Some historic mining has taken place, with Au mineralization outlined over 500m of strike, hosted within 2 BIF Trends (Korong & Waihi) totaling 12kms of strike. Recent drilling has intersected grades to 7.3g/t Au over the Korong Prospect. An IP survey has identified targets along strike at Korong. SMD also hold the Barbara Cu Project (50% JV with Copperchem) NE of Mt Isa with a resource of 4.7mt @ 1.6%Cu with a number of satellite IOCG & Sedex Cu prospects. Copperchem is proposing to acquire the other 50%. SMD hold other tenure in the Mt Isa Inlier which are divided into the Northern Hub and Southern Hub Exploration Prospects. SMD is seeking JV partners for both Hubs. The Northern Hub contains IOCG and Sedex Ag-Pb-Zn style targets and the Southern Hub includes a number of high grade Cu Au deposits</p>
SYR	SYRAH RESOURCES	<p>SYR is constructing the largest natural graphite mining operation globally at Balama Mozambique and from that supply base, the Company is developing an integrated supply chain to supply both the traditional industrial graphite market as well the projected growth in the battery market. The Balama reserves are 18.9Mt of contained graphite at a grade of 16.6%TGC and the resources 128Mt of contained graphite. The Company expects to produce 350ktpa of flake graphite at a cash cost of \$US286/t over an LOM of 60 years at Balama. Revenue expected between \$US600-1200/t. Commissioning activity has commenced with first production due August 17. SYR also plan to ship the flake graphite to Louisiana USA where it planned to produce uncoated spherical graphite for \$US2300/t (sale price expected \$US3-4,000/t) and coated spherical graphite for \$US3200/t (sale price expected \$US 7-10,000/t). The construction of the Balama Plant in Mozambique is underway with commissioning expected in Q2 –Q3 17. Full production is expected from mid-2018. The capex is \$US200M. SYR are putting concentrate offtake in place for at least 160kt concentrate with 6 downstream users, plus the Company is planning to develop a battery anode material (BAM) factory in Louisiana with an initial capacity of 20ktpa increasing to 60ktpa capacity. BAM test work is currently being undertaken. The BFS on the BAM project is expected to commence in Q2 17 with a production target of Q4 18.</p>
EAR	ECHO RESOURCES	<p>EAR hold the 1600 sq km Yandal Au Project and Bronzewing Au Processing Facility in WA with a global contained resource 956koz Au. The most advanced prospect is the Julius where the contained resource at Julius is 335koz Au. EAR see potential to increase the resource. There is a further 621koz of contained Au in satellite prospects. The focus is on infill and extension drilling to extend the resource ahead of recommencing mining operations. One advanced target is the Lotus-Orelia Mineralization Au system extending over 3 kms. Past open pit mining here totaled 387koz Au @ 5.5g/t Au. Drilling to date in 2017 has returned 49m @ 9.4g/t Au from pit floor. Other Prospects being evaluated include a number in the Empire District, where first pass AC intersections include 28m @ 4.47g/t from 24mdh and Bronzewing District (4m @ 14g/t Au). The budget to refurbish the mill is \$12.5M with a further \$5M estimated for mine development, and that the project could be in production within 6 months of a decision to mine being made.</p>

Investor Presentations Continued...

GMD	GENESIS MINERALS	GMD hold the Ulysses West Au Project Near Leonora WA where ore is being mined in separate campaigns thru an alliance with SMS Innovative Mining and being toll treated at the Paddington Mill. The Contained Resources are 206koz at 2.3g/t Au. 2 campaigns have been completed to date and the extension of mining operating underground is being evaluated. A regional extension AC program has commenced along strike. GMD also holds the Viking Au Project near Norseman and the Barimaia Project near Mt Magnet WA.
SRI	SIPA RESOURCES	SRI also hold 1000 sq km of tenure within the North Paterson Basin WA. SRI target are large intrusion related system of the Telfer type. A 4 km long Cu geochem anomaly has been identified at the Obelisk Prospect where drilling is underway. Initial intersections include 46m @ 0.12%Cu. SRI report strong magnetic and gravity highs occur at depth. DD to test the deeper targets is planned. SRI also hold in the Akelikongo Ni Cu Project Uganda, which includes >500m strike Region on the NE Margins of the Congo Super-craton. Drill intersections include 7m @ 1%Ni 0.35%Cu from 223m in massive to semi massive sulphides and 84m @ 0.4%Ni 0.17%Cu from 138m in disseminated mineralization.
PSA	PETSEC ENERGY	PSA hold a 25% WI in the Mystic Bayou Gas/Oil Field Offshore Louisiana USA, which has been in production from 1 well since 2015. Currently producing around 4.2MMcfcpd & 95 BcPd. The net revenue is \$US1.2-1.5Mpa. The 2P reserves 3.9MMboe. PSA hold a 12.5% WI over the Hummer Gas Oil Field in Louisiana discovered in Nov 16 and flowing at > 20MMcfcpd + 400 BOPD. The parties involved plan to develop the project, with first production expected in September. The Net 2P reserves are 9.2Bcf gas and 600Mbbbls Oil. PSA also have a 2P reserve of 5.6MMboe in Yemen at the currently shut in Nagyah Oil Field and a restart in planned for September 2017, ramping up to 5000BOPD Processing facilities in place & pipeline & trucking options to suitable port. The oilfield has a 50 m oil column and a 135m gas cap in sandstone reservoir.

Investor Presentations Continued...

SFX	SHEFFIELD RESOURCES	<p>SFX hold the Thunderbird Heavy Mineral Sands (HMS) Project located between Broome and Derby in the East Kimberley WA. SFX are of the view that Thunderbird is the world's largest & highest grade zircon & ilmenite rich Ore reserves. A BFS has been completed on a 42 year LOM project. The contained reserve is 77.1Mt HM at a grade of 11.3%HM and the contained resource 127Mt @ 12.2%HM. The deposit has a high grade zone, up to 46m thick where mining will commence. The deposit amenable to low cost surface mining and conventional wet and dry processing, plus a low temperature ilmenite roast to upgrade the ilmenite to 56% Ti2O. The project will deliver 5 products. The production for Stage 1 (the first 4 years) is expected to ramp up to 584,000 tonnes (51,500tpa Premium Zircon, 49,100t Zircon Conc; 264,500 LTR Ilmenite; 12,800 Hi-Ti88 and 156,600t Titano- magnetite), increasing to 1,124,000 tonnes in Stage 2 from Year 5. Capex Stage 1 is estimated to be \$348M. Stage 1 site costs / tonne of Premium Zircon EQ is estimated to be \$721/t and revenue \$1278/t. SFX plan to truck HMS concentrate 140km from mine to Port. Azure Capital is co-ordinating the development funding. SFX hope to have permitting and finance in place to allow construction to commence late 2017 and commissioning 2019. Significant regional potential occur to expand the mine life, with 6 prospects identified. Three non-binding Mou's signed with 3 European and Asian consumers for 40% of Stage 1 premium zircon. .</p>
CVN	CARNARVON PETROLEUM	<p>CVN and partners hold 22,000 sq km of tenure over the North West Shelf hydrocarbon basin including 20-30% of the Pheonix Project, where 4 discoveries have been made (Pheonix South 1-2 & Roc 1-2.) ROC 2 flowed 53mmscf gas and 2,943barrels of condensate per day. 2C resource estimate is 332BCf gas and 20MMbbls condensate. Planning to drill the Dorado Structure located 15kms for Roc. Dorado is the biggest target yet based on 3D seismic interpretation. CVN is also planning to drill Pheonix South -3 Well to provide information on the reservoir and volume.</p>
GPX	GRAPHEX MINING	<p>GPX hold the Chilalo Graphite Project in South East Tanzania which GPX report has the potential to produce a 99.4%TGC concentrate by flotation. The contained reserves are 517kt @ 11%TGC contained graphite and the resources 3Mt TGC @ 5.6%TGC. A non-binding term sheet relating to a 50/50 JV to the development of the project has been signed with a subsidiary of the China National Building Materials Group, which GPX hope to have binding by August. GPX are planning to target the "expandable graphite market" due to the high proportion of "Large to Super Jumbo" size flake (>180 microns) graphite in the concentrate (48%).</p>

BREAKAWAY RESEARCH

Breakaway Research Pty Ltd

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For enquiries, please contact:

Rachel Szabo
Manager Client Services

+61 2 9392 8032

rachel.szabo@breakawayinvestmentgroup.com
www.breakawayresearch.com.au

AUSTEX MINING PTY LTD

Rob Murdoch - Principal Consultant

Austex Mining Pty Ltd

BA FAusIMM CP FAIG

Austex Mining Principal Rob Murdoch is an Australian geologist who has specialised in the management of junior resource companies for 30 years. His experience enables Rob to provide a quick and valid assessment on the potential of impact of many announcements, for example those involving new discoveries, drill results or resource upgrades and tracks the progress of companies on their various exploration or development projects.

Austex maintains an extensive database on all ASX listed resource companies, their corporate situations and the status of their various projects. This database helps to identify industry and investment trends which may not be apparent otherwise. Breakaway Research is extremely pleased to be able to utilise Rob's extensive experience in both corporate and technical capacity to assist in identifying resource investments that will directly benefit our subscribers.



PO Box 1677, NEW FARM QLD 4005

Phone: +61 418 712 011

rmurdoch@austexmining.com

www.austexmining.com

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