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Weekly Commentary

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The Mining Investment Experts

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Charts on Friday's Close

By the time you realise that we are in a correction it is often too late to take profits

If you have been watching the Sentiment Index, and the derivative Sentiment Oscillator, you would have noticed that sentiment has been slipping backward for three, and now four weeks. In reality that means that many of the stocks under coverage have probably dropped by 20-25% from the highs they saw in July. Some have dropped by more than 30%.

Does this mean that you should be worried, or is it too late to worry? Has the correction already happened? The froth is out of the market and many stocks are coming back into the range where they should be bought for the next leg upwards. But wait, how many people really think that? What is the next person thinking? Welcome to the confusion that is ever present in the stock market, especially for those that like to hunt in packs.

Last week, when we presented the Sentiment Oscillator, we said the mining equity markets were poised to go either way, with senior gold stocks looking vulnerable. They fell during the week with sentiment taking a heavy hit at the end of the week. The next week will tell us whether those stocks that are sitting on support will recover, or whether they will succumb to further selling which will mean that we are in a period or sustained correction after six months of a good market from February to July. The outlook for commodity prices and economics generally is not deteriorating. We are still coming off historic lows in mining equities markets, but in order for this recovery to last longer we do need a period of correction. We just don't know how severe it will be before the second wave of the cycle kicks in.

Coal returning to favour

The strength in the mining sector started with the gold stocks and as money returns investors are extending their vision to other commodities, knowing that even the down and out sectors will come back into favour. Notwithstanding the aversion to dirty coal by many evangelists, even that commodity is showing signs of recovery.

You should remember that thermal coal and coking coal are very different products. Thermal coal has many substitutes but coking coal is an unavoidable input for steel production. Thus there is not the same social pressure against its use.

Coking coal is making a comeback. The rise in Atrum Coal (ATU) from 48 c to \$1.04 in a couple of months has shown how these situations can turn around in the market. Another contender is Pacific American Coal (PAK) with its 250 Mt of high grade JORC compliant resource in BC, Canada. Six months ago the market was valuing this at only 1 c per tonne, whereas a normal market valuation could easily be 10-20 c pt. Back in March the market capitalisation was only \$3-4m. That is when I decided to buy around 9%, for a long term view. Since then the market capitalisation has increased to \$15m (after hitting \$20m), but most of this increase has been due to the acquisition of

a 40% stake in Imagine Intelligent Materials Pty Ltd, a private company that is commercialising graphene through its application in conductive geotextiles. The market is valuing the Imagine business at approximately \$10m, leaving a valuation of \$5m on the coal assets, which is still only 2 c pt. Contrast the capitalisation of Atrum Coal at \$200m and you will see that PAK has significant upside potential on the coking coal, which has been described to me by an experienced coal expert as a Tier One asset. The graphene business has great upside, but the revaluation of the stock on the coal assets is a no-brainer. The shares are priced at a heavy discount still.

Waiting for inspiration from Jackson Hole

The markets seem to be in standby mode as we wait for missives from the annual gathering at Jackson Hole, Wyoming. So far the news flow has been inconclusive, with the only direction being indecision and uncertainty and the economists are making suggestions.

The dominant policy drive for central banks continues to be setting of inflation targets in the order of 2% pa and making monetary policy work to facilitate these targets, but actual inflation is constantly falling below this rate (ignoring the problem in calculating what an effective inflation rate really is across the entire economy).

The problem with this strategy is that its justification is backward looking. It was influenced by the period of high inflation in the 1970s and 1980s, when there was a serious problem in breaking the inflationary psychology that dominated world economics. That psychology and the expectations of ever rising prices has been quashed. Consumers still expect prices will rise over time but they also know that in many areas prices of consumer goods and commodities have also been known to fall. The cycle of inflationary expectations has been broken.

The problem now is that there is little, if any, recorded aggregate growth in many economies. Sure, some sectors are growing well, but on the whole the growth in GPD is recorded as being incipient. There are winners and losers in the economy but it all seems to balance out at a near zero sum gain.

One of the primary weaknesses in the current interest rate policy is the crushing of the wealth effect as earnings on investments are minimised due to the very low interest rates. In advanced economies with ageing populations, increasing numbers of senior citizens are having their incomes truncated by the low interest rates on their deposits. Expectations of shrinking incomes leads to less spending and therefore lower growth than otherwise. There is a need for these investors to make capital gains as an alternative and that is why the stock markets are at high levels. It works while markets keep rising and that is why no-one is interested in reigning in the bull market, particularly in the USA, but that can't go on forever.

These are the problems but what is the solution? There is an increasing argument to say that we should be looking at targeting a growth in GPD rather than inflation. Forget inflation. It is no longer the evil on the battlefield. Stagnation is the real problem. We have tried QE but that hasn't worked. It merely increases liquidity in a sectors that rely on investment income and capital gains, thereby increasing competition for investment products but not increasing widespread aggregate demand. It has made markets that are easily spooked by the prospects of higher interest rates and this has impeded initiatives by the Fed.

It is a different mindset if governments and central banks target GPD growth rather than inflation. It requires both fiscal policy and monetary policy to be on the front foot, working as a team. It brings Keynesian economics back into play to stimulate economic activity. Governments will have to spend more either through increasing deficits or by increasing taxation. They will have to introduce efficiencies and put those improvements to work. If the increase in spending improves productivity, say through improvements from better infrastructure or restructuring sectors, and if aggregate demand improves, we then have to rely on the income accelerator to flow through.

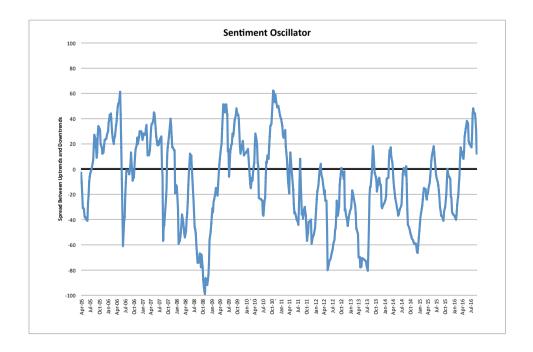
There is also the view that economic activity has been constrained over the last 10-20 years due to socially dictated changes rather than hard economics. We have seen industry and society suffer ever increasing burdens from areas such OH&S requirements, security costs, increasing infestation of lawyers and accountants making rules that increase compliance costs but do nothing for productivity, escalating insurance costs due to the abandonment of the contributory negligence doctrine in compensation claims, climate change regulations and more recently the epidemic in depression and mental health. Is it any wonder that we are becoming depressed and anxious about the future when we see so much squandering of the nation's wealth on peripheral issues?

Reality taking hold of flake graphite stocks

The two leading flake graphite stocks (in terms of market performance), Syrah and Magnis, are going through a period of heavy selling that has taken them down by 40% and 47% respectively, from their June 2016 highs. They were capitalised at \$1.7bn and \$522m at their peaks. As is usual, once enthusiasm and FOMO gets into overdrive the share prices perform independently of fundamentals. When punters start to think the run has finished the sellers will be jamming the exits.

Traders should always remember that it is more fun to trade on expectations and "what if" scenarios that hard fundamentals, but they should also remember that converting the expectation into reality is a high risk path more risky than drilling out a geological discovery in many cases. This is why we are so keen on a stock like **Santana Minerals** (SMI), which is currently planning the next drill program on a silver property in Mexico. It ticks all the boxes; geology, scale, management and commodity. It is at the start of the value creation curve - the definition and expansion of the resources. It is taking ground that might be worth \$10/acre and turning it into something worth millions of dollars per acre based on resources in the ground.

It is no coincidence that Syrah's share price is turning down just as it announces the awarding of the construction project for the Balama graphite project. It is about to face the litmus test where it has to deliver on all of the promises but it will take another 1-2 years before we really know. That is a long time to park speculative funds, so the aggressive money will be looking to be deployed in more opportunistic stocks while long term investors will wait until there is delivery on development and production. Again, this is an example of how investors react to commissioning risk. There is no room for traders to feel good that a mine is being developed per se when that introduces a period of uncertainty. Leave that to the true believers.



Sentiment Indicator: We have now had four week of softer sentiment with there being an acceleration in the last week 42% (52%) of the stocks in uptrend and 30% (21%) in downtrend. On balance it is still well positive, but it needs something to turn the recent trend around (as shown on the Oscillator).

NB. Only the bold commen	ts have been upda	ited. Comments in grey type are from previous weel	ks and will be less relevant.	
ndices	Code	Trend Comment		
All Ordinaries	XAO	near peak of trading range		
Metals and Mining	XMM	edging higher		
Energy	XEJ	gently rising		
Stocks	Code	Trend Comment (updated comments in bold)	Main Interest	
ABM Resources	ABU	breached support line	gold	
Aeon Metals	AML	new high	copper + cobalt	
Alacer Gold	AQG	rising again	gold – production	
Alkane Resources	ALK	higher	gold, zirconia	
Acacia Resources	AJC	Sideways at the bottom	coal	
Aguia Resources	AGR	struggling to hold these levels	phosphate	
Alicanto Minerals	AQI	new high	gold exploration	
Altlech Chemicals	ATC	heavy pullback to support line	industrial minerals	
Anova Metals	AWV	new high	gold	
Antipa Minerals	AZY	short term down	gold	
Archer Exploration	AXE	breached uptrend	graphite	
Argent Minerals	ARD	now sitting on long term support at 2.7¢	polymetallic	
Atlas Iron	AGO	down	iron ore	
Atrum Coal	ATU	new high	coal	
Aurelia Metals	AMI	pullback	gold + base metals	
Auroch Minerals	AOU	down on withdrawal from lithium deal	exploration	
us Tin	ANW		tin, cobalt	
Australian Bauxite	ABX	surge higher turned down at resistance	bauxite	
Australian Vanadium	AVL	downtrend	vanadium	
vanco Resources	AVE		copper	
WE	AWE	down, but sitting on long term support now	oil and gas	
zure Minerals	AZS	heavily down	silver	
SHP	BHP	down heavily hugging trendline	diversified	
Base Resources	BSE	breached uptrend, but rallying	mineral sands	
Beach Energy	BPT		oil and gas	
Beadell Resources	BDR	long term downtrend in play on support	gold	
Berkeley Resources	BKY		uranium	
Blackham Resources	BLK	coming off the high new high	gold	
Broken Hill Prospect.	BPL	lower	minerals sands, cobalt	
	BRU			
Buru Energy Canyon Resources	CAY	sideways	0il	
Cardinal Resources	CDV	down	bauxite	
Carnegie Wave	CDV	new high downtrend	gold exploration wave energy	
			U,	
Cassini Resources	CZI	stronger	nickel/Cu expl.	
Chalice Gold	CHN	new high	gold	
Consolidated Zinc	CZL	down	zinc	
Coventry Resources		ST down	copper	
Dacian Gold	DCN	new high	gold exploration	
Danakali	DNK	rising again	potash	
De Grey	DEG	rising	gold	
Doray Minerals	DRM	down	gold	
Ouketon Mining	DKM	on support	nickel	
Eden Energy	EDE	correction turning into a downtrend	carbon nanotubes in concrete	

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Evolution Mining	EVN	coming off its highs	gold
Excelsior Gold	EXG	new low	gold
First Australian	FAR	sideways	oil/gas
First Graphite	FGR	on support line	graphite
Fortescue Metals	FMG	new high	iron ore
Galaxy Resources	GXY	heavy fall	lithium
Galilee Energy	GLL	still down	oil and gas, CBM
Gascoyne Resources	GCY	correcting lower	gold
General Mining	GMM	steep uptrend breached	lithium
Geopacific Res. Resources	GPR	correcting lower	copper/gold exp.
Global Geoscience	GSC	breached uptrend	lithium
Gold Road	GOR	breached uptrend	gold exploration
Goldphyre	GPH	short term down	potash,gold
Graphex Mining	GPX	heavy correction	graphite
Gryphon Minerals	GRY	•	gold
Herron Resources	HRR	new high on takeover bid	zinc
		at highs	
Highfield Resources Highlands Pacific	HFR HIG	fallen to support line sideways around lows	potash copper, nickel
Hillgrove Resources	HGO	coming off high in a retracement	
Hot Chilli			copper
	HCH	new low	copper
Iluka Resources	ILU	correcting after rise	mineral sands
Image Resources	IMA IGO	down	mineral sands
Independence	IAU	new high	gold, nickel
Intrepid Mines		sideways - 7¢ capital return proposed	copper
Karoon Gas Kibaran Resources	KAR KNL	testing downtrend	gas
Kin Mining	KIN	breached downtrend but then a pullback	graphite
<u>-</u>	KIS	testing uptrend	gold tungsten
King Island Scheel.	_	new low	
Kingsgate Consol.	KCN KRM	suspension	gold
Kingsrose Mining	LEG	testing downtrend	gold
Legend Mining Lithium Australia	LIT	breach of gentle dwontrend downtrend	exploration lithium
Lucapa Diamond	LOM	on support line	diamonds
Macphersons Res.	MRP		silver
Manas Resources	MSR	rising	gold
Medusa Mining	MML		gold
Metals of Africa	MTA	long term downtrend	zinc expl/graph.
MetalsX	MLX	new high	tin, gold
Metro Mining	MMI	uptrend	bauxite
Mincor Resources	MCR	heavy fall	nickel
Mineral Deposits	MDL	heavy pullback	mineral sands
MMJ PhytoTech	MMJ	testing downtrend	medical cannabis
Mustang Resources	MUS	breaching support line	diamonds, rubies
MZI Resources	MZI	breached uptrend	mineral sands
Northern Minerals	NTU	fallen to support line	REE
Northern Star Res.	NST	breaching uptrend, ST down	gold
Oceana Gold	OGC	heavy correction	gold
Oklo Resources	OKU	testing uptrend	gold expl.
Orecorp	ORR	pullback	gold development
Orinoco Gold	OGX	rising again	gold development
Orocobre	ORE	down	lithium
Oz Minerals	OZL	new high	copper
Paladin Energy	PDN	new uptrend	uranium
Pacific American Coal	PAK	breached uptrend	coal, graphene
Pantoro	PNR	surge to new high	gold
Panoramic Res	PAN	rising	nickel
Paringa Resources	PNL	down	coal

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Peninsula Energy	PEN		surge off lows	uranium
	PRU		ŭ	
Perseus Mining			falling	gold
Pilbara Minerals	PLS		falling	lithium/tantalum
Potash West	PWN		meeting resistance line	potash
Red River Resources	RVR		surge to new high	zinc
Regis Resources	RRL		new high	gold
Renaissance Min.	RNS		new high	gold
Resolute Mining	RSG		on support line	gold
Reward Minerals	RWD		strong rise	potash
Rex Minerals	RXM		back to lows	copper
RIO	RIO		testing long term downtrend	diversified
RTG Mining	RTG		correcting	copper/gold
Rum Jungle	RUM		sideways	quartz
Salt Lake Potash	SO4		steeply higher	potash
Saracen Minerals	SAR		breaching uptrend	gold
St Barbara	SBM		now in a correcting downtrend	gold
Sandfire Resources	SFR		stronger	copper
Santana Minerals	SMI		strong rise	silver
Santos	STO		recovering uptrend	oil/gas
Sheffield Resources	SFX		new high	mineral sands
Silver City Minerals	SCI		down	base metals
Silver Lake Resources	SLR		new high	gold
Silver Mines	SVL		surge to new high	silver
Sino Gas & Energy	SEH		sideways	gas
Southern Gold	SAU		uptrend continuing	gold
Sundance Energy	SEA		testing downtrend	oil/gas
Syrah Resources	SYR		downtrend	graphite
Talga Resources	TLG		down	graphene
Tanami Gold	TAM		new high	gold
Tiger Resources	TGS		back to lows	copper
TNG Resources	TNG		drifting lower	titanium, vanadium
Torian Resources	TNR		rising again	gold expl'n
Toro Energy	TOE		downtrend	uranium
Troy Resources	TRY		secondary downtrend	gold
Tyranna Resources	TYX		down	gold exploration
Vimy Resources	VMY		down	uranium
West African Resources	WAF		new high	gold
Westwits	WWI		breached uptrend	gold exploration/development
Western Areas	WSA		turned down at resistance	nickel
White Rock	WRM		down	silver
WPG Resources	WPG		improving following placement	gold
Wolf Minerals	WLF		continuing down	tungsten
Totals	42%	60	Uptrend	
	30%	43	Downtrend	
		143	Total	

Guides to Chart Interpretations

- Charts usually go pass from one trend (up or down) into the other via a period of indecision and uncertainty during which the trend can either recover or change. This period is signified by the orange colour. The orange represent both the greatest risk and greatest reward possibilities.
- · Once a chart is in confirmed up or downtrends it is not uncommon for 10-20% of that trend to have already transpired.
- There are trends within trends. The focus of this chart review is the immediate trend that affects the sentiment i.e. it can be a downtrend within a long-term
 uptrend.
- Not every chart warrants a new comment every week. The new comments are in bold type. Grey type comments may be dated.
- Individual charts provide a single view. It is valuable to look at charts of other companies in similar commodities, and the overall sentiment is also very
 valuable. Not many stocks can swim against the tide.
- We periodically add or delete charts, some times for obscure reasons. If a chart consistent gives poor signals or is very erratic, we may delete it. Sometimes we add a chart because we want to see what all the fuss is about. We do have a preference for charting stocks that we cover in our research as well.

Errors and omissions may occur from time to time, especially in fast moving markets.

Amber Lights in Tables: Just a reminder if when the amber light is used in the table – it is when the charts are ambiguous or when there is a change of trend taking place. If a chart is breaching a downtrend it can either be a positive sign or a trap. Only once it has done more work can it be confirmed as a new uptrend. Maybe it is a new uptrend (or conversely a new downtrend); the risk takers can decide to jump on board early (or sell). They will maximise their profits (or minimise their losses if indeed it is the start of the new uptrend (downtrend). More risk-averse investors should wait a little longer, being prepared to give up some of the gains in return for greater certainty.

Weightings of Sectors Represented in the Company Charts					
Sector	No. of Companies	Weighting			
Gold	36	25.2%			
Copper	14	9.8%			
Gold Exploration	11	7.7%			
Oil/Gas	9	6.3%			
Potash/Phosphate	7	4.9%			
Mineral Sands	7	4.9%			
Graphite	6	4.2%			
Zinc	6	4.2%			
Silver	6	4.2%			
Lithium	6	4.2%			
Nickel	5	3.5%			
Uranium	5	3.5%			
Coal	4	2.8%			
Tin	2	1.4%			
Bauxite	3	2.1%			
Iron Ore	2	1.4%			
Diamonds	2	1.4%			
Other	12				
Total	143				

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