

Hey all. This is just some research have along with fellow CGM shareholders (thankyou Elcorp) quickly put together. It's about a month old now, but hopefully not too much has changed. Before you read this please understand this is just my opinion. I trust anyone to make their own investment decisions based on the research they have done themselves. I am not here to ramp this stock just simply put some information out there for people who are interested in/or have a position in CGM. I'm sure I'll miss a lot of things, but this is just a brief summary. Please add to this as much as possible. (Full disclosure I have a position in CGM) I put in the time to talk to management, so I would greatly appreciate others comments and analysis be it pros or cons.

Let's get some great discussion going! I will refrain from putting price targets or predictions on this that's not why I'm writing this, but I will say I love making money and that I believe with a market cap of 7.3m CGM has serious upside potential.

Cougar has interests in 4 materials for the EV revolution. I believe the board has strategically positioned itself to take advantage of the increasing commodity prices that we are seeing in lithium, graphite, cobalt and nickel.

I am only covering some basics in this post.

- a) Recent trend of commodities associated with the exploration opportunities of the company.
- b) A brief look at the outlook for these commodities.
- c) The board of directors and management (not all just some)
- d) Directors interests in the company. Management's commitment not taking a salary for years to minimise dilution and loans by Our MD.
- e) Share register (shares on issue and the top 20 holdings)
- f) Outline of the drilling business and projects Cougar has taken an interest in. These being the Pyke Hill nickel and cobalt project, Ceara lithium project, Chile Plateado cobalt project the Madagascar Vohitsara 50/50 earn (in arbitration) and the Shoal Lake gold project in Canada (in arbitration).

I've pasted a couple of charts to show the strong prices of the commodities that are linked to cougar's exploration. I have also put some interesting links throughout.

(Pyke hill) CGM has a JORC (2004) resource for nickel/cobalt laterite in western Australia

3-year Nickel chart.



1-year nickel chart



3-month nickel chart



- You can see that nickel is almost on par with its price 3 years ago.
- It has risen over 30% in the last year
- Over 16% in the last 3 months.

These prices are far off the highs we've seen years ago, but there is plenty of evidence showing that the demand is looking stronger in the near term. A positive outlook for nickel in the near and long term is great news for the resource CGM have at Pyke hill as I believe the best way forward is through a sale to Murrin Murrin Operations that are 40km away. Atmospheric leaching may be an option for this resource but I still think the capex cost for a project of this scale would make a sale to Murrin Murrin more attractive. **This is just my opinion.**

Elon musk has commented in the past that; “Our cells should be called Nickel-Graphite, because primarily the cathode is nickel and the anode side is graphite with silicon oxide... [there’s] a little bit of lithium in there, but it’s like the salt on the salad.”

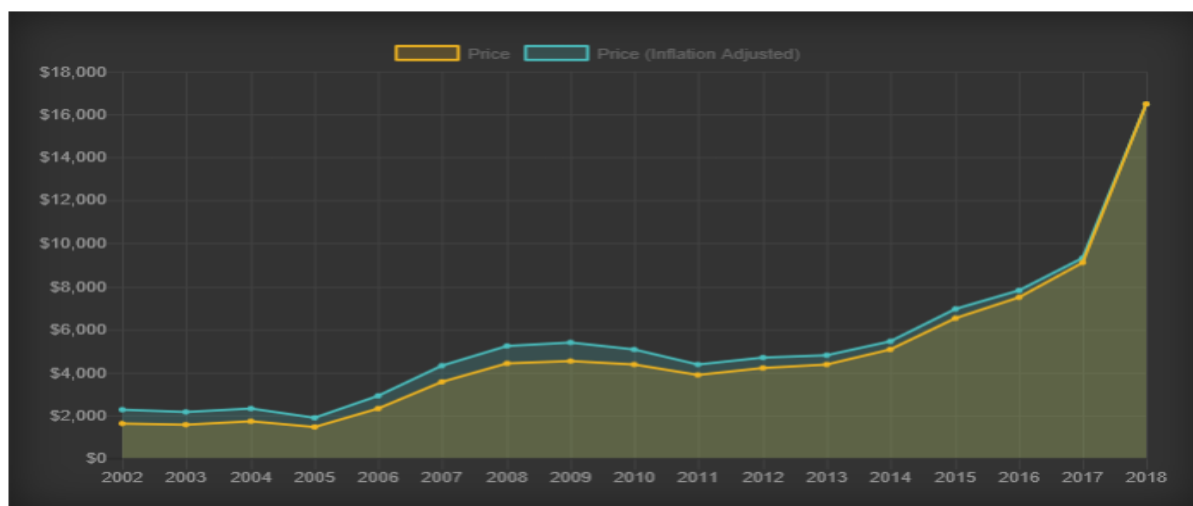
(<http://www.businessinsider.com/materials-needed-to-fuel-electric-car-boom-2016-10?IR=T>)

www.visualcapitalist.com/nickel-secret-driver-battery-revolution/

<https://smallcaps.com.au/which-metals-benefit-lithium-ion-battery-boom/>

Ceara lithium project in brazil to acquire 85% interest

15-year lithium chart



The lithium bull run is upon us. Almost every day you will see one of the top gainers has association with lithium. I’d be confident in saying that on hot copper, lithium stocks have been the most talked about topic in the last year. Every day you see the likes of AVZ, AJM, TAW, PLS, GXY, AGY, ASN and many more in the most discussed. There are companies out there hitting milestones and exceeding expectations of shareholders, but there are so many out there that have categorised themselves as a lithium explorer in order to gain interest.

From my discussions with management I do not believe this is what our board are doing. They are clearly trying to identify a trend and base drilling upon a solid foundation of evidence. Ceara is now Cougars main project. If drilling results are positive then we will gain some serious market interest, but they are still identifying drill targets through soil sampling.

Who knows when supply will meet demand for lithium. I sure don’t, but in my opinion that’s years away with the steps the world is taking towards being environmentally friendly and battery manufacturers expanding. From what I also understand there will be a demand for lithium in Brazil and there are no current suppliers – so there may be,

with Brazil's high importation tax regime, a protected market for Cougar to sell in to, if of course it gets into production. With drilling starting Q4 FY2018 we can look forward to results at Ceara.

I recently travelled Europe. On almost every street corner in most countries I was noticing Tesla charging stations. This was a reality check for me. I have got excited in the past when reading about the increase in electric cars and buses etc. in articles and on the news but seeing the charging stations first hand, more than I expected, really got me excited that the times are changing and the world is waking up.

I will leave these links below as I found them interesting. There is so much information out there about lithium that I'd be beating a dead horse posting links all day. So, I'll just leave a couple.

<https://investingnews.com/daily/resource-investing/energy-investing/lithium-investing/lithium-outlook/>

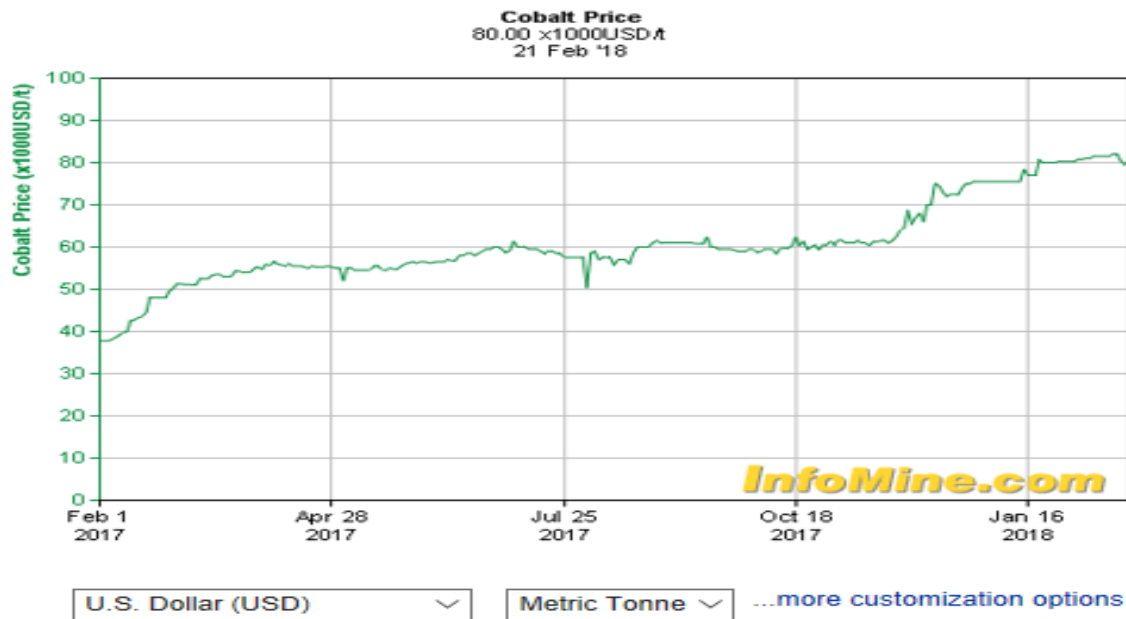
https://motherboard.vice.com/en_us/article/zm3d9x/lithium-ion-battery-demand-supply-chain-tesla

Plateado cobalt project in Chile

5-year cobalt chart



1-year cobalt chart



I think its safe to say Cobalt is gaining serious attention. With the price at over \$80,000 a ton investors are jumping at opportunities to invest in companies associated with cobalt.

Cobalt has tripled in the last 5 years, and doubled in the last year. With cobalt prices booming it's a great time to be presented with an exploration opportunity.

<https://smallcaps.com.au/battery-revolution-apple-cobalt-tesla-lithium/>

<https://asia.nikkei.com/Markets/Commodities/Apple-rushes-to-seal-cobalt-deals-as-shortage-fears-deepen>

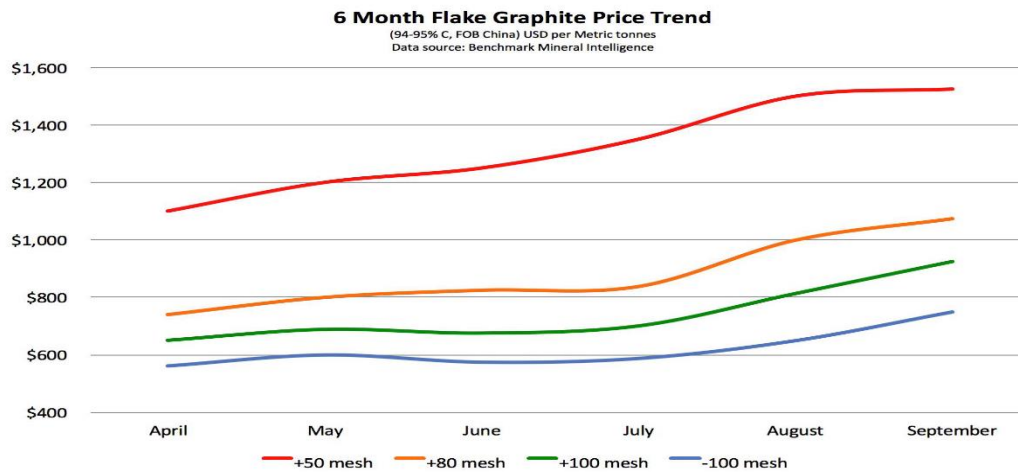
<https://www.bloomberg.com/news/articles/2018-02-21/apple-is-said-to-negotiate-buying-cobalt-direct-from-miners>

<https://www.platts.com/latest-news/metals/newyork/cobalt-prices-seen-rising-sharply-as-deficit-21725171>

https://investingnews.com/daily/resource-investing/critical-metals-investing/cobalt-investing/cobalt-critical-lithium-ion-battery-electric-vehicles/?as=1&nameplate_category=Daily

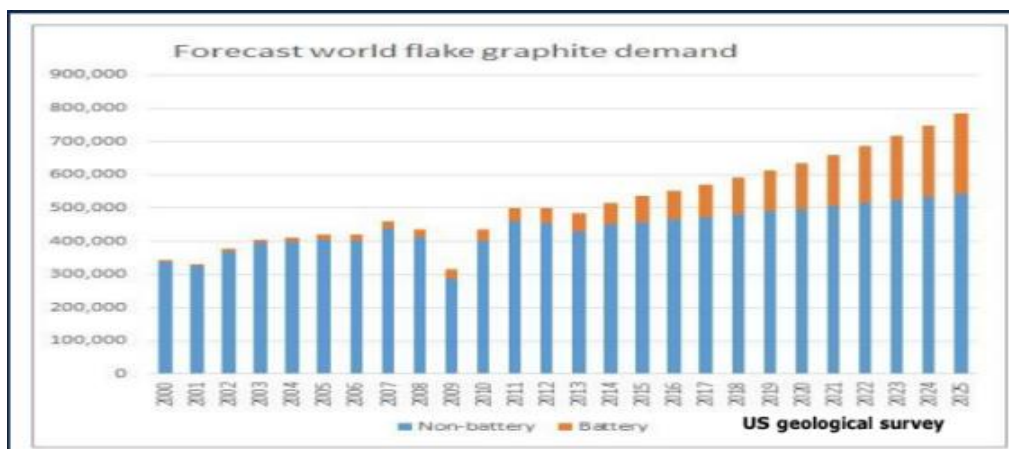
Madagascar Graphite 50/50 earn in with DNI metals. Vohitsara project (currently under arbitration)

6-month chart from April- September 2017



Everything I see is leaning towards higher demand and higher prices for graphite in the future. We have seen it with lithium in the last couple of years. We have seen it in cobalt. We are seeing graphite prices rise, but I think the prices for natural flake graphite will be on the rise big time in the not too distant future. With China (the major producer of graphite) cutting down on production and the increase in demand due to EVs I think graphite is somewhat flying under the radar and should see a healthy rise in the future (only my opinion).

I am looking forward to the future for graphite. There are so many applications for expandable graphite it is truly exciting. If you haven't already, I'd suggest reading the presentations that are on the Cougar website (although not up to date now due to the dispute) and also on the DNI metals website. I also encourage people to watch the interviews that are proven and probable do with Dan Weir, CEO of DNI metals, as he discusses the use of graphite in detail and gives nice summaries of the advantages and outlook for the project. I think graphite demand will no doubt rise, and given the many projects to supply, it will be the cheaper operators who get to meet that supply. To me it looks like this project has the potential to produce a high quality project with low end costs.



Some good websites:

<http://benchmarkminerals.com/china-is-constructing-four-graphite-anode-megafactories-for-the-lithium-ion-battery-surge/>

<https://www.washingtonpost.com/graphics/business/batteries/graphite-mining-pollution-in-china/>

<http://northerngraphite.com/the-graphite-supply-problem/>

<https://www.reuters.com/article/us-china-steel-graphiteelectrode/the-graphite-fix-inside-chinas-newest-commodity-addiction-idUSKCN1BW0S2>

<http://events.steelmintgroup.com/chinese-graphite-electrode-export-dry-2018/>

<http://www.indmin.com/Article/3290097/Shandong-China-ordered-to-halt-flake-graphite-production.html>

northerngraphite.com/graphite-pricing/

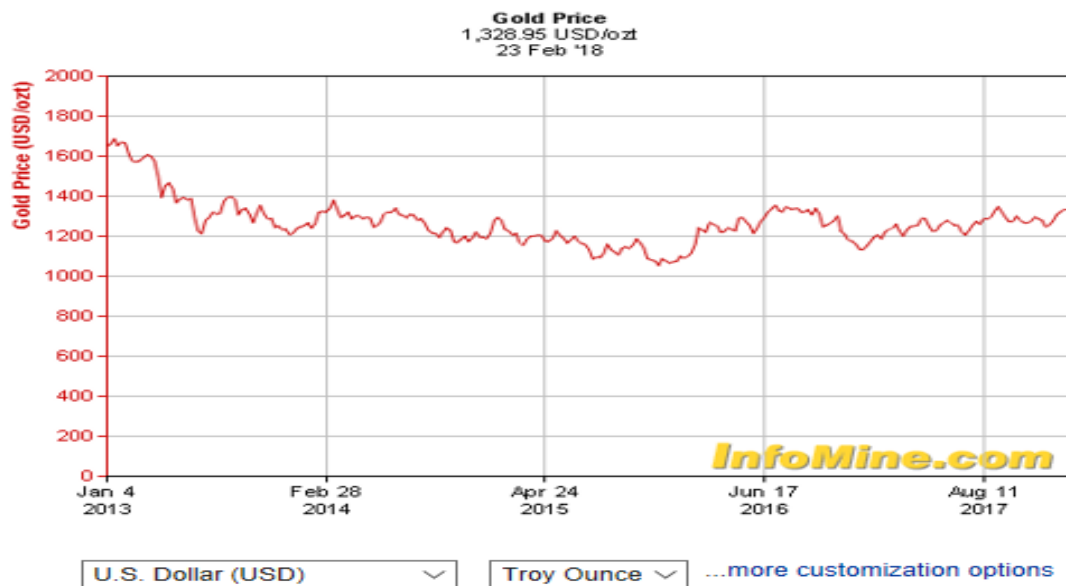
www.focusgraphite.com/technology/

The Shoal Lake Gold project in Canada (arbitration successful in CGMs favour)

<https://www.asx.com.au/asxpdf/20160229/pdf/435gxnpd1tmv5t.pdf> (See latest quarterly for latest update).

Looks like they just need to have the final award made later this year.

5-year gold chart



1-year gold chart



Management

Let's talk about the board of directors and management, because without a good management no company will succeed.



Randal Swick, Managing Director

Randal Swick is a mechanical engineer with 25 years experience in the mining industry with a focus on gold and nickel exploration. And nickel exploration. He was a founding director of Swick Mining Services. Randal brings considerable knowledge gained from experience as a drilling contractor and from his first hand involvement in the management and operation of several private companies involved in exploration and mining throughout Western Australia, Uruguay and Brazil in both the surface and and underground environments.

Having faith in Randal is by far the biggest influence to ride out recent tough times. I have had regular contact with Randal over the last 6 months along with brief introductions to other directors. Randal is, in my opinion, the easiest MD to chat with that I've ever contacted. He returns emails faster than I would expect even when travelling and takes calls at almost any given time. He truly values engaging with shareholders. I've had multiple chats about every project CGM has interest in right now and he is a very intelligent professional who doesn't beat around the bush. He is very matter a fact in everything he says and straight to the point. The impression I get from every chat with our MD is that he has nothing but the best interest in the long-term outlook of the company. He has not chosen the lithium, cobalt, graphite and nickel by accident. This has been a strategic diversification to target the booming prices we are seeing. He is not just placing the company in strong commodities just for hype. He is building a solid base of projects to move forward on.

The article below is a couple of years old.

<http://www.afr.com/leadership/entre...rew-forrest-its-mine-all-mine-20150719-gifry3>

The highlight for me was Randal "had his drills immediately removed from Anaconda's operations. But Swick would get the last laugh. **Unable to match Swick's drilling results and contract prices, Anaconda would later get him back on site.**" Goes to show that he runs a smooth operation.

Randal knows how to drill a hole. He knows how to manage a drill team. He knows what drills need to be used and how much labour for a job. When the time comes for a drill campaign on the Ceara lithium project I'm confident it's in great hands to get the job done at minimal cost to shareholder funds.

He was a founding director of Swick Mining Services (ASX: SWK). A company that has "a reputation for pioneering innovative rig designs that deliver improvements in productivity, safety, versatility and value."

Many people are unaware that the Swicks have been in the drilling business for many generations. To believe someone of his experience cannot drill for graphite up to NI 43-101 standards is beyond belief.

I encourage anyone who have questions to actually contact Randal (r.swick@cgm.com.au) he is very approachable and enthusiastic.

David Symons, Non Executive Director

David was appointed a director of CGM in September 2015. He holds a BSc in extractive metallurgy and has approximately 30 years of national and international experience. David is also a founding director of Independent Metallurgical Operations, one of Australia's leading metallurgical consulting companies and has significant experience in the review of graphite, lithium and gold projects, from an operational and economic perspective.

This is from the IMO website

Managing Director - David Symons



Dave lives and breathes metallurgy. With almost 30 years of experience, Dave was a cofounding member of the IMO group in 1998.

Across the world, Dave has worked in metallurgical operations, metallurgical laboratory management and consulting. With experience in test-work scoping, managing projects, operations and contracts, he quickly understands the whole life-cycle of each mining project.

With a BSc in Metallurgy, Dave is also a director of several private and listed companies within the mining industry. This means he holds a unique position in understanding our clients' point of view.

A google search will show you that Mr Symons is a very motivated and experienced. I have spoken to Mr Symons and was filled with confidence by his positive attitude and a ton of enthusiasm towards Cougar. A man who I believe will play a key role in helping develop the company's portfolio and assessing what will maximise shareholder value.

Scott reid

<https://www.asx.com.au/asxpdf/20180123/pdf/43qzq0241mdzvw.pdf>

Appointment of General Manager

Cougar Metals NL ("Cougar" or "the Company") is pleased to announce the appointment of Mr Scott Reid as its General Manager.

Scott has previously been assisting the Company in his role as Madagascar Country Manager. In expanding the role to General Manager, Scott will work closely with Cougar's Executive Chairman, Mr Randal Swick, the senior management and consultants to progress and expand its current exploration portfolio.

In addition to assisting the acceleration of activities at Cougar's Ceara Lithium project in Brazil, and resolution of the Company's issues with DNI Metals over the Toamasina Graphite Project, Scott will be focused on identifying strategic projects that have the potential to create additional value for the company and its shareholders.

Scott Reid has over 28 years experience in the exploration, development and mining finance sectors. His technical experience in the mineral and oil & gas industry was gained in a wide variety of geological and geographical settings including Australia, Asia, West and Eastern Africa and the Americas during his time with large multinational French geophysical contracting corporation (CGG), including management of World Bank and United Nations sponsored geophysical projects.

After working as a mining analyst, Scott became involved in the development of a number of successful listed companies including Blackthorn Resources Ltd, Discovery Metals Ltd and Andean Resources (Cerro Negro Gold Project). Andean was subject to a successful takeover offer by Canadian company Goldcorp for USD3.4 billion.

Scott has also been instrumental in identifying, acquiring, financing, listing and carrying out development of a number of mineral resource projects that have become operational. These include: Perkoa Zinc Project - Burkino Faso, Boseto Copper Project - Botswana, and the Rincon Lithium Brine Salar Project - Argentina.

During the last few years Mr Reid has been working on graphite, gold and limestone projects in Madagascar. As his local company previously negotiated and held an option over the Toamasina Graphite Project (also known as the Vohitsara Graphite Project) Scott has an intimate knowledge of the issues surrounding Cougar's dispute with DNI Metals Inc. and its management.

Scott holds graduate and postgraduate qualifications in geophysics, applied finance and investment and studied mineral economics. Scott is also Australia's Honorary Consul in Madagascar. Scott was recently presented with the National award of "Chevalier de l'Ordre National" by the Malagasy Government for his role in developing trade and commerce initiatives.

Scott's history is amazing. His level of experience is welcomed by myself and a lot of other LT holders. This addition to the team will give Randal the opportunity to free up time and designate it to other matters within the company.

He well and truly has built a solid reputation within Madagascar and the community. I don't think Scott would get caught up in the DNI-CGM dispute if there wasn't a good case for CGM. His local knowledge and experience to the dispute will be very valuable when CGM is presenting their case to the arbitrator.

I spoke to him late last year and found he is also approachable and very knowledgeable about everything we spoke about which was mainly the DNI issue and outlook for Cougar.

I'm extremely happy that Scott is our general manager, and am excited for what is in store for us from Scott.

<http://mauritius.embassy.gov.au/plut/NewHonConinMad2017.html>

<https://www.asx.com.au/asxpdf/20180123/pdf/43qzq0241mdzvw.pdf>

Managements share holdings

Enormous amount of management ownership. From 2013 to 2017 not a single share has been disposed of.

2013

20 Largest holders of securities at 18 September 2013

Fully paid ordinary shares	No. Shares	%
1) SWICK, MARCIA	195,000,000	29.31
2) SAVVY CAP MGNT PL <SAVVY FAM A/C>	138,366,224	20.80
3) SWICK, MARCIA	47,239,940	7.10
4) SWICK, MARCIA	32,410,060	4.87

2017

20 Largest holders of securities at 21 September 2017

Fully paid ordinary shares	No. Shares	%
SWICK MARCIA	195,000,000	21.28
SAVVY CAP MGNT PL	138,366,224	15.10
SWICK MARCIA	47,239,940	5.16
SWICK MARCIA	32,410,060	3.54

The fact that 56% is owned by Randal is a major confidence boost and this in itself speaks volumes about his intentions for the company. It's not often you see a director own such a large percentage of the company.

Marcia Swick is Randal's wife and a quick google search shows Savvy Capital Management is also a Swick entity.

<http://member.afraccess.com/media?id=CMN://6A434963&filename=20090114/00919388.pdf>.

Adding to the huge amount of skin in the game Randal has also provided Loans

(<https://www.asx.com.au/asxpdf/20090930/pdf/31l11rlg3gzn7p.pdf>) to the company during tough times in order to minimise dilution.

On top of this Randal and other management did not take a salary for many years and loaned the Company a lot of money to keep it alive and not dilute shareholders.

The last annual report showed that the top 20 holds 61.09%

With a total of 916,232,139 shares on issue and the top 20 holding 559,674,159, it leaves 356,557,980 shares outside the top 20 to be traded (keep in mind this is not up to date). When CGM gains some traction and the market realises the potential behind the company's assets combined with a tight register, this could shoot off fast.

Holdings as at 21 September 2017

No. Securities Held	Fully Paid Shares No. Holders	No. Shares
1 – 1,000	121	13,753
1,001 – 5,000	42	119,005
5,001 – 10,000	79	675,548
10,001 – 100,000	445	22,628,598
> 100,001	477	892,795,235
Total no. holders	1,164	916,232,139
No. holders of less than a marketable parcel	377	4,027,168
Total on issue	1,164	916,232,139

Substantial shareholders as at 21 September 2017

	No. Shares	%
SAVVY CAPITAL MANAGEMENT PTY LTD	138,366,224	15.10
SWICK, MARCIA	276,000,000	41.49

20 Largest holders of securities at 21 September 2017

Fully paid ordinary shares	No. Shares	%
SWICK MARCIA	195,000,000	21.28
SAVVY CAP MGNT PL	138,366,224	15.10
SWICK MARCIA	47,239,940	5.16
SWICK MARCIA	32,410,060	3.54
FRY ANN MARY	21,806,071	2.38
PROKSA PETER ANDREW	17,000,000	1.86
ZN & C LAZOGAS PL	10,635,000	1.16
ELLIDGE MARK + JENNIFER	10,000,000	1.09
ACVS CAP INV PL	9,435,826	1.03
PERSHING AUST NOM PL	9,312,452	1.02
MONTREUX MGNT PL	8,464,426	0.92
HENRIOD JANET MONICA	8,400,000	0.92
LIU BIN	7,500,002	0.82
COMSEC NOM PL	6,673,411	0.73
TRIBECA NOM PL	6,538,462	0.71
LTL CAP PL	6,500,000	0.71
HANNA ROBERT WILLIAM	6,435,720	0.70
KOLUNDZIJA DOBRIVOJ	6,006,801	0.66
FAGAN DAVID	6,000,000	0.65
KANGSAV PL	5,949,764	0.65
	559,674,159	61.09

Recently the company reduced the total number of shareholders from 1224 to 994. In order to reduce administration costs.

See announcement. <https://www.asx.com.au/asxpdf/20180220/pdf/43rr5h32mcg1sh.pdf>

Now to discuss the parts of the business numbered below. I'll put a couple of opinions in there and also put (in date order) links to ASX announcements released for each project so people can familiarise themselves with the situation of each.

- 1- Drilling business
- 2- Pyke hill nickel and cobalt
- 3- Ceara/Solonopole lithium
- 4- Plateado cobalt
- 5- Vohitsara graphite
- 6- Shoal lake gold

1- Drilling business

We have seen the wind down of the drilling business in recent times and it has been announced that they are divesting of this division. This is a clear indication that management are focusing on the development of the company's exploration opportunities. It's marking a fresh start for the company.

From the latest quarterly:

Drilling Business Update

As previously announced the Company made a decision to wind back drilling operations and liquidate its position in order for the Company to focus on its graphite and lithium exploration assets. No drilling services were performed during the quarter.

A further two diamond drilling rigs have been sold to a local drilling contractor, completing the disposal of the Company's diamond drilling assets. Funds, to be received over time, will be applied to employee terminations.

Cougar has retained its RC drilling capacity and is evaluating options regarding these assets.

Randal has said there are three RC rigs left and they will use one of them to drill the Ceara prospect at some stage. He said as much as he likes the idea of a cashflow company in the group – Brazil is not the place to have a drilling company. He said it is just a distraction for the company at the moment.

2-Pyke hill nickel and cobalt

<https://www.asx.com.au/asxpdf/20051124/pdf/3tffxfs43gp7m.pdf>

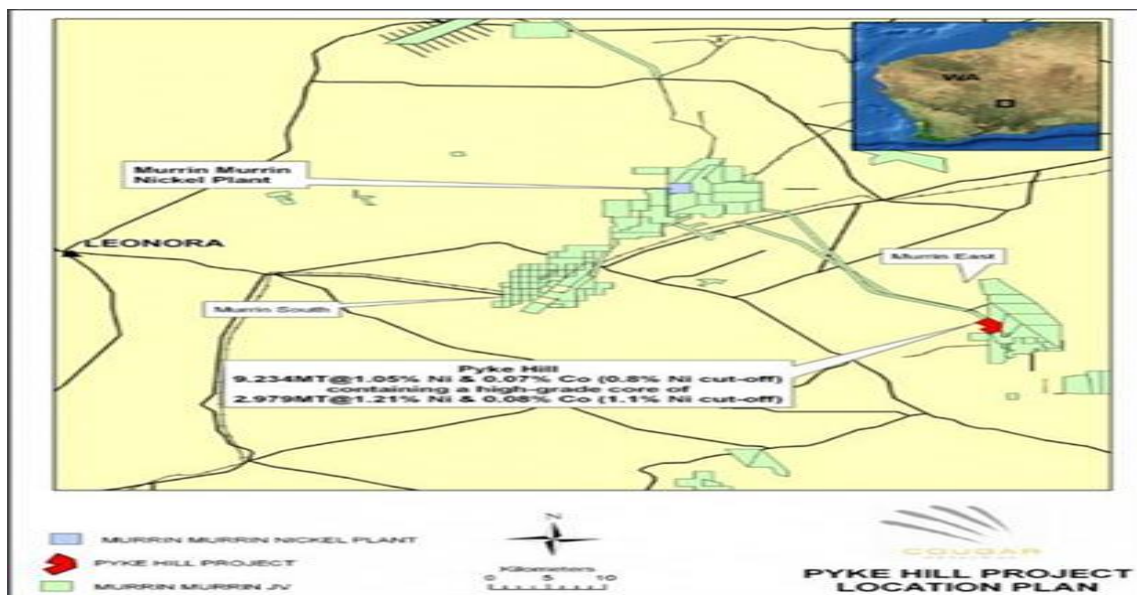
Pyke hill has been determined a “strategic asset” by CGM management. I think it’s easy to see why. With the nickel price increasing and the demand for nickel increasing its (**in my opinion**) only a matter of time before Minara resources looks to purchase this tenement.

Even if CGM wanted to, I do not believe they could produce from this tenement alone. The resource is not enough to justify the CAPEX required. It has also been said that the “resource is closed off in all directions”. Luckily for the company there is a nickel processing plant 40km up the road. I believe it would be appealing for Minara as:

- Nickel demand is increasing
- The price has steadily increased the last couple of years
- The cobalt price and demand is increasing
- This resource is located at the western side of Murrin East, which would mean lower transport costs to the nickel plant.
- As they deplete their current resources they will need to acquire more tenements
- It has a JORC (2004) resource

<https://www.asx.com.au/asxpdf/20070823/pdf/3143t4lj1c2n3.pdf> (JORC 2004)

<https://www.asx.com.au/asxpdf/20070823/pdf/3143xnrlkgq0s6.pdf> (in ground value)



In 2005, Cougar sold their 70% of the Toomey Hill project for \$4.5m. (Sale states more, but Cougar retained the Pyke hill) see below for details on Toomey hill sale:

<https://www.asx.com.au/asxpdf/20050719/pdf/3rkxkmc07j2d0.pdf>

Toomey hill

Toomey Hill has a high grade JORC compliant resource of 1.04 million tonnes at 1.42%Ni and 0.102%Co at a 1.2% Ni cutoff within a measured and indicated resource of 4.22 million tonnes grading 1.08% Ni and 0.078% Co at a 0.8% cutoff as reported by Cougar in their 2004 Annual Report.

The Pyke Hill tenement of 5.37 square kilometres is contiguous along strike from the Murrin Murrin East deposit and has numerous high grade intersections including 2.15%Ni and 0.67%Co from past drilling as previously reported by Cougar.

Both acquisitions are on granted mining leases.

"Because of the close proximity of these acquisitions to the Murrin Murrin plant they add to the near term ore feed," Minara Managing Director Peter Johnston said.

"This will extend the previously reported 5 years of 1.3% Ni feedgrade, giving Murrin Murrin an assured resource well into the future," he added.

Pyke hill

Ni Cut-Off Grade	Measured			Indicated			Total		
	Tonnes	Ni	Co	Tonnes	Ni	Co	Tonnes	Ni	Co
0.5%	6.0M	0.91%	0.06%	8,68M	0.89%	0.07%	14,69M	0.9%	0.06%
0.8%	4,4M	0.98%	0.07%	5,68M	0.98%	0.08%	10,09M	0.98%	0.07%

NEW NICKEL RESOURCE FOR THE PYKE HILL PROJECT

Cougar Metals NL (ASX code: CGM) is pleased to announce the completion of a new JORC compliant Measured & Indicated Resource estimate for the nickel-cobalt laterite deposit at the Pyke Hill Nickel Project in Western Australia:

9.234MT @ 1.05% Ni & 0.07% Co for 97,000 contained Ni tonnes (0.8% Ni cut-off)

containing a high-grade core of

2.979MT @ 1.21% Ni & 0.08% Co for 36,000 contained Ni tonnes (1.1% Ni cut-off).

Strategy for Extracting Value

Cougar is reviewing various opportunities to realise maximum value for shareholders from the Pyke Hill nickel-cobalt deposit. These opportunities include either selling the deposit outright or evaluating the possibility of treating the material and selling an intermediate or advanced stage product. The in-ground contained metal value is approximately \$3.1 billion, assuming a nickel price of approximately US\$11 per pound and a cobalt price of approximately US\$24 per pound.

Currently:

- Cobalt is at approximately \$36USD a pound
- Nickel is just over \$6USD a pound.

I won't say much about the comparison but take it as you will. I think it gives people an understanding of what the sale of Pyke hill might bring in, and the outlook for this tenement is looking better and better. In my opinion, this asset has been flying under the radar as nothing has been done for so long.

3-Ceara / Solonopole lithium

On the 03/08/2016 Cougar signs LOI with MMH capital to acquire 85% interest in the Ceara lithium project.

<https://www.asx.com.au/asxpdf/20160803/pdf/4392b4jmwbgvgs.pdf>

- 2 separate areas lying approximately 150km apart. Solonopole and Cristais.
- Historic mining centre at Solonopole. Previous sampling been done in 2012.
- An area encompassing a pegmatite swarm at Cristais
- Solonopole 3.5 hours from state capital; Fortaleza
- Cristais 1.5 hours from Fortaleza
- Both "have excellent infrastructure being located along major sealed highways and in close proximity to a high voltage national electricity grid".

The DNPM's geological team took 60 grab samples across the locations and had the samples assayed at ACME Laboratories in Brazil.

The assays returned 11 positive results with grades ranging between 0.5% and 9.41% Li_2O , as presented in Table 1 below. The principle lithium minerals identified were spodumene, amblygonite and lepidolite.

Table 1 DNPM Grab Sampling Results 2012		
Sample Number	Mineral	Li_2O
DNPN-53	Amblygonite	9.41
DNPN-26	Amblygonite	8.89
DNPN-01	Amblygonite	8.68
DNPN-41B	Lepidolite	4.84
DNPN-45	Lepidolite	3.16
DNPN-41A	Lepidolite	3.12
DNPN-52	Lepidolite	2.48
DNPN-37B	Lepidolite	2.35
DNPN-55	Lepidolite	1.96
DNPN-40	Amblygonite	1.03
DNPN-37A	Spodumene	0.43
** Samples assayed at ACME laboratory – details of analysis not provided. ***XRD undertaken to define mineralogy		

Initial Exploration Program

A staged exploration program following the granting of permits will include:

- airborne geophysics and remote sensing targeting;
- project mapping and grab sampling;
- soil geochemistry;
- trenching; and
- drilling.

Cougar will enlist the support of Amazon Geoservices to develop and implement its exploration programs.

Cougar stated its plans in the LOI announcement. It's been a while, but we can look forward to them conducting trenching in Q3 FY2018 (see quarterly) and will commence drilling upon these results hopefully for Q4 FY 2018.

The LOI terms are below. These have been passed at previous AGMs and hopefully we can look forward to an acquisition of the Ceara lithium project soon.

Terms

A LOI has been executed between Cougar and MMH.

The key the terms of the LOI are:

- a "Newco" entity is to be registered with 85% ownership Cougar and 15% MMH
- Cougar will issue 100,000,000 shares in CGM to MMH following the formation of Newco
- Cougar will pay USD25,000 to MMH upon the transfer of 30,000ha of permits to Newco
- Cougar will free carry MMH until a decision to mine.

On the 30/08/2016 we got a project update.

<https://www.asx.com.au/asxpdf/20160830/pdf/439s42dwk3d7zk.pdf>

- Secured 5 additional applications adjacent to Solonopole adding 8,276ha
- Now 35 applications covering approximately 60,000ha

On the 19/09/2016 the company announced through another project update that the initial 30 applications had been formally granted by DNPM. <https://www.asx.com.au/asxpdf/20160919/pdf/43b8th2qm6bpgc.pdf>

The company made an announcement on 08/03/2017 that it had identified 4 key targets at Solonopole.

<https://www.asx.com.au/asxpdf/20170308/pdf/43gmy7gbfkrvc4.pdf>

- "the four targets defined relate to airborne magnetics and radiometric signatures coincident with historic sample results"

Solonopole Targeting Study

Southern GeoScience Consultants (SGC) have undertaken a remote sensing and airborne geophysical targeting exercise across the highly prospective Solonopole Lithium Project.

SGC completed processing of satellite (Aster and Landsat 8) imagery, airborne magnetics and radiometrics data. Processed data together with available geological and mineral occurrence information were used to target lithium bearing pegmatites.

Solonopole Exploration Program 2017

Following receipt of the SGC study information, Cougar is now planning a staged exploration program targeting the four (4) target zones defined by the geophysical interpretation, including:

1. Reconnaissance geological mapping and grab sampling
2. Soil geochemistry to identify hidden pegmatite mineralisation. A handheld XRF Analyzer will be utilized to identify pathfinder indicator minerals using the methodology successfully developed and utilized by other Australian lithium exploration companies. The use of an XRF Analyzer provides a quick and cost effective determination of soil geochemistry.
3. Trenching and drill planning will be planned following the return of results.

Within just over a month the company had made the LOI, got 30 applications formally granted, completed an airborne geophysical targeting study on Solonopole and determined 4 key target zones at the Solonopole area.

On the 29/03/2017 the company had a CR in order to accelerate projects, issuing 164,285,714 new shares.

<https://www.asx.com.au/asxpdf/20170329/pdf/43h3y6863j4g0x.pdf>

On the 31/08/2017 a project update was released

<https://www.asx.com.au/asxpdf/20170831/pdf/43ly0fdr9j43yj.pdf>

I took from this that there was a clear focus on Solonopole.

- Solonopole comprises of 26 granted exploration permits (4 granted in the days before)
- Permits cover 426 square kms.
- Mapping was conducted, showing old mines, prospects and samplings.
- "Cougars exploration geologist has been based in Solonope since mid May 2017 conducting mapping, sampling and general reconnaissance activities to **systematically assess the large tenement package**". I think a lot of people get caught up thinking we should go straight to drilling. I like the approach CGM is taking. They are trying to maximise the chances of positive drill results in order to not waste money.
- 4 initial targets from the geophysical targeting within CGMs permits.
- 4 targets were followed up on ground by the geo, which identified 10 priority prospects.
- The 10 priority prospects are associated with historical mining. The lithium identified in the priority prospects were Amblygonite, spodumene and lepidolite.
- 61 grab samples taken to date and 242 soil samples taken from priority prospects.
- Samples submitted to SGS laboratories in Belo Horizonte.
- Results were expected in 2 weeks but they took just over 4.
- First movers in Brazil for lithium. Solonopole is one of two known lithium producing areas in Brazil.

On the 15/09/2017 Cougar announced a placement to fund lithium and graphite projects.

<https://www.asx.com.au/asxpdf/20170915/pdf/43mc7j02rxs12n.pdf>

- 61,538,462 shares were issued.

On the 02/10/2017 CGM released high grade lithium sample from Solonopole.

<https://www.asx.com.au/asxpdf/20171002/pdf/43mw3xwcctkvsf.pdf>

- 4 weeks after the samples were taken.
- 14 months after LOI was signed.
- First lot of results return between 1.5%Li₂O and 9.29% (top ten)
- High grade tantalum (one sample returning 3534ppm TA)
- 6 out of 10 identified prospects returned lithium.
- Next 3 months focus was on “defining the trend of pegmatites to assist in drill targeting”

Grab sampling has returned high grade lithium results within Amblygonite (a high-grade lithium mineral) pegmatites. A total of 62 grab samples were taken with the top 10 samples returning grades between 1.5% Li₂O and 9.29% Li₂O. Lower grade Lithium zones have returned high grade Tantalum with one sample returning 3534ppm Ta. 242 soil samples were completed over a 250m area (50m by 50m sample spacing) on each of the 10 prospects to define the regional trend of the soil covered pegmatites. These soil grid have returned anomalies that suggest the prospects potentially join up below surface around the fringe of the larger granite bodies to the east.

Refer to the announcement for table of results.

On the 15/01/2018 CGM released further high-grade results from Solonopole.

<https://www.asx.com.au/asxpdf/20180115/pdf/43qtk25kjhsv2g.pdf>

- Grades from grab samples returned high grade lithium comprising of amblygonite and lepidolite of up to 9.33% Li₂O
- Tantalum of up to 2880ppm Ta.
- Refer to announcement for table of results.
- Systematic geochemical sampling and trenching planned to define drilling targets.
- “Follow-up exploration work over the next 3 months will be focused on extending the soil grids between the identified high grade outcropping pegmatites to **identify the regional trend of the hidden pegmatites** below the

soil cover, and trenching along identified trends, drilling will be planned following trenching results being received and is expected to commence Q4 FY 2018”

We received the latest quarterly on the 01/02/2018

<https://www.asx.com.au/asxpdf/20180201/pdf/43r7w1x6gg0s5l.pdf>

Exploration Program planned for Q3 2018

Follow-up exploration work during the March 2018 Quarter will be focussed on extending the soil grids between existing high-grade outcropping pegmatites to identify the regional trend of hidden pegmatites below the soil cover, and to perform follow-up trenching. Drilling will be planned following trenching results being received and is expected to start in Q4 FY 2018.

I like how it was clearly Re-stated that drilling is expected in Q4 FY 2018. It’s coming closer and closer every day.

CGM is on its journey to **potentially** unlocking some serious value at Solonope.

I hope this timeline helps new investors and current investors understand the Ceara lithium project and how its progressing.

With the LOI signed, Applications formally granted, some positive sample results returned (First lot of results return between 1.5%Li₂O and 9.29% (top ten) and high grade tantalum one sample returning 3534ppm TA----- and the second, high grade lithium comprising of amblygonite and lepidolite of up to 9.33% and Tantalum of up to 2880ppm Ta) and a clear plan for geochemical sampling, trenching and drilling in the next couple of months, CGM is in a great position to return shareholder value and confidence. I have a high confidence that management and geologists at Solonope are doing extensive due diligence to “strategically” identify a trend. I know that advancing the project has seemed slow to some shareholders, but in my opinion, its management is doing their best to ensure that when drilling commences we have the best chance for positive results. This due diligence to identify a trend will, in my opinion, make all the difference between getting good intercepts faster therefore minimising the time and costs of drilling for longer and minimising more shareholder dilution.

Randal has been based in Brazil for many years now. He knows how to operate within the country. At one-point CGM ran a gold mine in Brazil while Randal was the MD. A real confidence booster that he has got a mine into production in this country before.

I asked Randal why the project just has an LOI and he said that there are no problems, it’s just a slow process to put everything in place. I guess they will announce how things are in the next quarterly.

4-Chile Plateado cobalt

On the 07/02/2018 CGM signed a LOI to acquire 100% of the Plateado cobalt project.

<https://www.asx.com.au/asxpdf/20180207/pdf/43rdgx5p1r13b8.pdf>

- 36km². 12 contiguous granted tenements.
- Historic mine reported to have produced high grade cobalt.
- Sampling in 2017 from workings and dumps returned grades of up to 1.07% Co
- Cougar to start recognisance exploration activities. Rock chip sampling and mapping and geochemical survey.

Sample	Northing	Easting	Location	Co %
152908	6423754	280898	Dumps	0.66
152909	6423749	280899	Dumps	1.04
152911	6423739	280896	Dumps	0.72
152913	6423724	280867	Dumps	0.61
152914	6423725	280875	Dumps	0.49
152915	6423756	280868	Dumps	0.80
152916	6423765	280866	Dumps	1.07
152917	6423767	280872	Dumps	0.93
152902	6423729	280912	Pit	0.33
152904	6423721	280919	Pit	0.95

**Table 1 : Rock chip assay results from Plateado Cobalt
Project >0.3% Co**

Friendly mining jurisdiction

Chile - Country Overview

Chile has a liberal, open-market economy with strong macroeconomic stability and has been one of the fastest growing economies in Latin America in the last two decades (source: World Bank). Chile's innovative culture and well-educated workforce supports a strong and progressive quality of life and positions the country as a highly attractive destination for mineral exploration and mining investment.

The quality and scale of the country's deposits attracts the world's premier mining companies including Glencore, Anglo American, BHP Billiton, Barrick Gold, Teck, Antofagasta Minerals and Rio Tinto all with investments in Chile.

Chile's attractiveness as a mining destination is due to its privileged mineral endowment; its investor-friendly regulations and overall economic and political stability; its maturity as a mining jurisdiction with developed road and port infrastructure; and qualified human resources. The relative attractiveness of Chile for international investors is reflected in the Fraser Institute's 2016 survey when it was ranked 2nd in Latin America and 39th globally for investment attractiveness. (Source EY's 2016-2017 Mining and Investment Guide)

EUQ (ASX) now DEV (ASX) had the option to acquire 80% interest in the plateado cobalt project.

I've included the two agreements below for people to compare:

CGM LOI

The Key terms of the LOI:

- A new Australian parent company (Newco) shall be formed to hold the Chilean project. The shares of Newco will initially be held in escrow by the Manager (Mr Ricardo Rangel) but transferred to Cougar, upon the following conditions being met within 18 months of the LOI's execution date:
 - A minimum exploration expenditure of AUD \$100,000 with a minimum expenditure of AUD \$40,000 within 6 months of the LOI's execution.
 - A cash payment of AUD \$100,000 to ACS or its nominee.
- The beneficial ownership of Newco shall remain with the manager but pass to Cougar upon an exploration spend (or a cash payment to the vendor of the shortfall) of AUD \$300,000, provided this is completed within 3 years of the execution date of the LOI.
- Cougar will engage the consulting services of the Manager and a local geologist on agreed terms.
- Cougar will also grant ACS a 15% Net Profit Interest (NPI) in the Project Portfolio, capped at AUD\$2million. Exploration costs to the point of a decision to mine are not to be considered in respect to the NPI however capital expenditure following the decision to mine will be apportioned over the life of the mine or 5 years, whichever is the minimum.

EUG/DEV LOI

Option and Joint Venture Agreement Terms

Under the binding option and joint venture agreement with Antasitua Chile SPA, Uranium Equities may earn an 80% interest in the Plateado Cobalt under the following key terms:

- i) A\$20,000 payment on signing the binding term sheet (payment made), after which Uranium Equities has an exclusive 90-day due diligence period;
- ii) A\$30,000 payment on exercise of the option and grant of the tenements;
- iii) A\$50,000 payment on the first anniversary of exercising the option and a \$100,000 expenditure commitment inclusive of due diligence costs;
- iv) A\$50,000 payment on the second anniversary of exercising the option and a \$150,000 expenditure commitment; and
- v) A\$50,000 payment on third anniversary of exercising the option and a \$250,000 expenditure commitment.

This project is only 130kms from Santiago. With **the price of cobalt at \$80,000 a ton** and a project that reportedly produced high grade cobalt in the past, this will bring some value to shareholders. I look forward to Cougar's exploration activities within the area.

5-Vohitsara Graphite 50/50 earn in

Let's keep this civilised. I won't cover this too much with opinionated comments as I believe everyone should make their own judgement call on the matter. I will do a timeline of announcements from both CGM and DNI and leave it at that. I know how easy it can be for this topic to go toxic. Nobody is happy about the situation and there's no point in shareholders arguing. At the end of the day I really do want both companies to benefit from the project. There are shareholders behind CGM and DNI that have money on the line (keep this in mind before you say any ridiculous uninformed down ramping posts). It's a touchy subject and I really would appreciate it if holders of BOTH companies just try not to point too many fingers on here. Cougar's allegations are pretty serious, and my conversations with Randal indicate that they know that. Cougar has stated that they do not make these allegations lightly. I do not believe that this arbitration will take as long as Shoal Lake as it is under the LICA rules which are pretty tight. I'm also very sure both companies will want an issue like this gone as soon as possible. The arbitration is taking place no matter what. No matter what anyone says the result won't change. I have spoken to Randal on many occasions and I am happy with the position we have going into arbitration with. I would encourage anyone with concerns to TALK TO RANDAL SWICK AND DAN WEIR! (r.swick@cgm.com.au)

Here are links and dates to announcements from CGM and DNI relating to Vohitsara. Hopefully they help investors familiarise themselves with the situation. I don't want this thread to turn nasty so I'll just leave them for people to make their own judgement.

16/11/2016

<https://www.asx.com.au/asxpdf/20161116/pdf/43cy6hz8nzmjfb.pdf>

09/02/2017

<https://www.asx.com.au/asxpdf/20170209/pdf/43fwnrwtm061xm.pdf>

22/03/2017

<https://www.asx.com.au/asxpdf/20170322/pdf/43gzdsn7zi0tlh.pdf>

29/03/2017

<https://www.asx.com.au/asxpdf/20170329/pdf/43h3y6863j4g0x.pdf>

19/04/2017

<https://www.asx.com.au/asxpdf/20170419/pdf/43hlnrmm470jv5.pdf>

19/05/2017

<https://www.asx.com.au/asxpdf/20170519/pdf/43jcqjs86k43m6.pdf>

27/06/2017

<https://www.asx.com.au/asxpdf/20170627/pdf/43k6t0qgcm2gw2.pdf>

18/07/2017

<https://www.asx.com.au/asxpdf/20170718/pdf/43kq27rp5gj6sn.pdf>

27/07/2017

<https://www.asx.com.au/asxpdf/20170727/pdf/43kxmg7rfwgypt.pdf>

21/08/2017

<https://www.asx.com.au/asxpdf/20170821/pdf/43lkrvwwfzxcv.pdf>

31/08/2017

<https://www.asx.com.au/asxpdf/20170831/pdf/43ly521td8fq40.pdf>

15/09/2017

<https://www.asx.com.au/asxpdf/20170915/pdf/43mc7j02rxs12n.pdf>

01/12/2017

<https://www.newsfilecorp.com/release/30940/DNI-Metals-Inc.-Issues-Cougar-Metals-a-Letter-of-Default>

04/12/2017

<https://www.newsfilecorp.com/release/30992/DNI-Graphite-Projects-Update>

06/12/2017

<https://www.asx.com.au/asxpdf/20171206/pdf/43py32qxs61m0.pdf>

07/12/2017

<https://www.newsfilecorp.com/release/31109/DNI-Metals-First-12-of-28-Diamond-Core-Assays-Received-Including-34m-Grading-5.63-Graphitic-Carbon>

08/12/2017

<https://www.newsfilecorp.com/release/31141/DNI-Terminates-Option-Agreement-with-Cougar-Metals>

11/12/2017

<https://www.asx.com.au/asxpdf/20171211/pdf/43q1xklqtm0j90.pdf>

19/12/2017

<https://www.asx.com.au/asxpdf/20171219/pdf/43q9bss70csm21.pdf>

31/12/2017

https://webfiles.thecse.com/CSE_Form_7_Monthly_Progress_Report_DNI_December_2017.pdf

10/01/2018

<https://www.newsfilecorp.com/release/31905/DNI-Metals-Assays-for-Additional-4-of-28-Diamond-Core-Holes-Received-Including-11m-Grading-5.38-Graphitic-Carbon>

22/01/2018

<https://www.newsfilecorp.com/release/32201/DNI-Metals-Assays-for-an-Additional-5-of-46-Drill-Holes-Received-Including-18m-Grading-8.63-Graphitic-Carbon#.WmYmYZM-dSA>

31/01/2018

https://webfiles.thecse.com/CSE_Form_7_Monthly_Progress_Report_DNI_January_2018.pdf

quarterly 31/01/2018

www.cgm.com.au/admin/arquivos/files/Quarterly-Report-Q2-FY18.pdf

From quarterly:

DNI Arbitration:

The parties have agreed to move the seat of arbitration to Toronto and have selected, by mutual agreement, a Toronto based arbitrator. Cougar awaits confirmation of the arbitrator's appointment by the London Court of International Arbitration (LICA) under which rules the arbitration, as previously agreed by the parties, is to proceed. Following the appointment the arbitral tribunal will be formed and a timetable will be agreed between the parties to expeditiously complete the arbitration process.

6-Shoal lake Canadian gold.

On the 5/2/2013 CGM completed an agreement to earn 51% interest in Canadian Gold property. (under tycoon subsidiary)

<https://www.asx.com.au/asxpdf/20130205/pdf/42cvg5fb4zrrsh.pdf>

Option agreement with Kenora prospectors and miners (KPM) to acquire 51% in shoal lake gold project.

- 6.5 square kms of patented mining claims
- Excellent access and logistics (15km from trans Canada highway, 40km from Kenora town)
- Data base of 30,000m of diamond drilling completed.
- 2 historic mines
- Mineralisation open in all directions
- Several gold occurrences describing at least 3 gold bearing trends from 13 vein structures
- Once the premier gold region of Ontario.
- Two past gold producers
- Mikado mine had a gold production of over 30,000 oz (approx. 58,000 tonnes averaging 16.4g/t). Bulk production was prior to 1902. Vertical shafts.
- The cedar island mine was an inclined shaft that produced approx 1,100 oz gold to 34m. It reopened in 1935 from a vertical shaft and produced 5,250oz (16,997 tonnes averaging 9.6g/t). Development stoped at 190 metres.
- Other gold occurrences within the property at Cedar mainzone, mckinnon reef, sirdar no. 1 and 2, bullion no. 1 and 2, old ontario veins 6 and 11, no. 3 vein, mikadoo bay zone, and grano zone.
- Grano zone was discovered in 1981 with intersections up to 10.63g/t Au over 2.4m in hole M81-12.
- Refer to tables in announcement

Terms of agreement:

Terms

KPM has agreed to grant to Cougar an exclusive option to acquire a 51% undivided interest in the Project. Cougar can maintain the option in good standing by:

- (a) making quarterly option payments to KPM totalling CAD 875,000 over a 4 year option term (**Option Term**) as follows:
 - (i) CAD 125,000 in Year 1
 - (ii) CAD 200,000 in Year 2
 - (iii) CAD 250,000 in Year 3
 - (iv) CAD 300,000 in Year 4 and
- (b) completing a bulk sample extraction program (**Program**) during the Option Term.

Cougar is to fund the Program and will be entitled to reimbursement of its Program expenditure from any proceeds of the Program. Surplus proceeds, if any, are to be shared on a 50/50 basis between KPM and Cougar.

Cougar can exercise the option (and acquire a 51% interest in the Project) by ensuring a return to KPM, inclusive of all payments, a minimum of CAD 5,875,000.

Upon exercise of the option, a joint venture will be established between Cougar and KPM, with Cougar as manager and KPM's 49% interest being free carried until completion of a pre-feasibility study.

The Company is aware of potential litigation impacting the Project, however Cougar has reviewed all available information and believes the prospect to be unlikely. If a legal challenge is mounted and remains unresolved after 12 months, Cougar's obligations under the option agreement shall go into hiatus until the issue is resolved.

26/04/2013 Presentation. A really good read to get up to date with the potential of the project.

<https://www.asx.com.au/asxpdf/20130426/pdf/42fgq0bsnym48w.pdf>

On the 14/10/2013 CGM served notice to KPM seeking arbitration to resolve matters of concerns to the option agreement. (under tycoon resource subsidiary)

<https://www.asx.com.au/asxpdf/20131014/pdf/42k0dgl7sr94hh.pdf>

If curious as to why this happened I would contact randal. (r.swick@cgm.com.au)

On the 28/10/2013 CGM announced the execution of an option agreement with Sheridan platinum group to acquire 100% in shoal lake gold project. (under duport gold subsidiary)

<https://www.asx.com.au/asxpdf/20131028/pdf/42kcpjycwg6f2c.pdf>

On the 22/07/2015 cougar withdrew from shoal lake west option agreement. (threw duport gold subsidiary)

<https://www.asx.com.au/asxpdf/20150722/pdf/42zz31ddwkqz11.pdf>

On the 29/02/2016 it was announced that CGM was successful in arbitration.

<https://www.asx.com.au/asxpdf/20160229/pdf/435gxnpd1tmv5t.pdf>

-the award is **legally binding.**

31/01/2018 quarterly

<https://www.asx.com.au/asxpdf/20180201/pdf/43r7w1x6gg0s5l.pdf>

From the quarterly:

Kenora Prospectors and Miners Limited Arbitration:

Following a favourable outcome on all claims in the arbitration proceedings by Cougar's wholly owned subsidiary Tycoon Gold Resources and Kenora Prospectors and Miners Limited (KPM) a partial award was handed down in favour of Cougar.

The final award was held in abeyance pending the compliance by KPM of various orders under the partial award which, despite several extensions, KPM has failed to accomplish. As such Cougar has now requested that the arbitrator hand down a final award. Both parties are required to submit various documents to debate damages which will result in the arbitrator being able to make the final award around July 2018. This date will be refined as the matter proceeds.

First off, I would encourage people to not overlook this project. Arbitration has been going on for five years. In the last quarterly that the final award has been requested. We are close to the end in my opinion. I know many here are not in this stock for the gold project, but I believe from the history of the project this has some serious potential. With so much data already recorded the company may have a solid base to pursue this after arbitration.

Hopefully that helps some people out with understanding a little more about CGM. I'll leave it at that. It states on the CGM website "Projects are selected following the assessment of their respective risk vs reward profile and the ability of the company to manage and fund its activities. All projects regardless of risk/reward must have the possibility of progressing to a point of production in the short term."

<http://www.cgm.com.au/pagina.php?lang=en-US&pg=000166>