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Feature article February 17, 2017:

Thermal Fragmentation Mining Technology Ushers in New Era of Improved Economics for Underground Narrow Vein Miners



Nippon Dragon Resources Inc.

(TSX-V: NIP) (OTCQB: RCCMF) (Frankfurt: D50)

Nippon Dragon exploits the toughest geology; wasted ounces found in pillars and structures, that would be damaged with conventional blasting, can be surgically removed with Thermal Fragmentation.

Nippon Dragon Resources is a hybrid mining and technology company. Trading with a market cap near \$14 million, NIP.V is poised for significant upside share price revaluation;

Thermal Fragmentation Technology:

- **Patented** and disruptive Thermal Fragmentation (TF) technology is a precision tool for creating large openings and extracting ore. TF appears poised to be formally adopted via strategic agreement by at least one, likely more, major miner(s) this 2017.
- TF a mining method that uses heat in order to shatter/spall the high-grade veins greatly reducing the use of explosives. Extracting only the vein with minimal dilution. **NIP.V's process can reduce costs up to 60% for many mines in the world.**

Gold Mining:

- **Flagship Rocmec 1 Gold property** in prolific Abitibi region of mining-friendly Quebec is advanced staged, near-turnkey ready for mining. 479,100 oz gold in all categories (3 gpt cut-off), >\$41M invested to date (5 levels + ramp + shafts).
- **Arizona gold project;** NIP.V has recently begun contract mining in Arizona using its own thermal fragmentation equipment and mill.
- The Company has numerous other potential mining opportunities on the horizon looking to partner with its technology.

Foundation/Hard Rock Construction:

- NIP.V's proprietary Thermal Fragmentation technology is attracting lots of attention by major construction engineering firms that understand the value in its application for making large holes in hard rock without explosives. A potentially lucrative deal appears possibly imminent.

Valuation Commentary: Nippon Dragon Resources Inc. (TSX-V: NIP) (OTCQB: RCCMF) (Frankfurt: D50) is both a technology company and junior gold miner, its exclusive and patented revolutionary Thermal Fragmentation mining extraction technology appears to be quickly gaining traction and is expected to translate to increased near-term opportunity from a multitude of interested parties. Thermal Fragmentation technology is expected to enter a serious commercialization phase this 2017, after ~8 years of vetting, some mining experts now believe the technology ushers in a new era of improved economics for underground miners chasing narrow gold veins. Nippon's process can reduce costs up to 60% for many mines in the world. The Company's other flagship asset is its 100%-owned, advanced stage, fully permitted Rocmec 1 Gold property in the prolific Abitibi region of mining-friendly Quebec which is near-turnkey ready, with 479,100 oz gold in all categories (3 gpt cut-off), and >\$41M expended to date (5 levels + ramp + shafts).

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Fig 1. (above - left) Thermal Fragmentation Dragon unit with inset of burner. **(above - right) Click to view videos; 1) in operation, & 2) 2D animation of uses.**

The Thermal Fragmentation process uses powerful burners, powered by diesel fuel and compressed air, to fragment hard rock. A small (125 mm) pilot hole can be enlarged to just over 1 m in ~8 minutes, making it ideal for targeting gold-bearing quartz veins, resulting in dramatically less dilution, increased productivity, lower costs, increased safety, and less impact on environment.



Fig 2. (above) Thermal Fragmentation technology is precise and surgical, extracting only the vein with minimal dilution. Above is seen a cross section of thermally fragmented rock, and sample of fragmented mineralized ore (rocks ranging from 0 to 13 mm in size). Typically the hardest rock will fragment first -- precious metals are found in quartz vein, which is harder than surrounding waste. When the process is started it makes an oval hole and essentially searches the quartz before the waste -- the operator can both see and hear when quartz is being extracted vs. waste.

NIP.V's current market capitalization is ~\$14 million Canadian (~138M shares outstanding X ~10 cents (~190M fully diluted, with majority of warrants proximal 12 cents)). Its market cap is miniscule relative to the potential and the current share price presents an opportunity for shareholders to reap large returns as recent vetting of NIP.V's technology have yielded **highly favorable results** -- we expect Thermal Fragmentation to be formally adopted via strategic agreement by at least one, likely more, major miner(s) this 2017. NIP.V has exceptional risk-reward characteristics; Mining MarketWatch Journal sees a sizeable

assent in share price near-term. Intellectual property fee revenue potential alone has the possibility for significant share price revaluation; NIP.V is apt to respond in multiples near-term as the inherent value and accomplishments are appreciated by the market.

Nippon Dragon Resources currently has Thermal Fragmentation units ('Dragons') in the field and distributors in Canada, Japan, South Africa, USA, and Australia. Its business model is based on intellectual property (IP) fees and rental, however expected upcoming long-term large contracts will likely be strictly IP fees for using the process with clients buying their own equipment. NIP.V is positioned to charge upwards of ~US\$25,000/month per unit in IP fees, a deal for the client whose savings compared to old technology would be many multiples. The cost of using a dragon to extract 1 tonne of ore would be a fraction (e.g. drop to under \$100/t), enabling the converting of marginal or non-profitable mining to efficient mining.

Monthly income is projected to increase exponentially:

NIP.V is making the rounds of select miners and having its Thermal Fragmentation technology tested/demoed. Mining MarketWatch Journal encountered, in passing, a few engineers of some majors that attended Thermal Fragmentation testing at their mine site in North America recently, the reviews of the technology were spectacular, and the names of the majors these engineers work for would impress you. You will not hear of the names of these companies doing the vetting because NIP.V is prohibited from talking about any of them as they insist on non-disclosure agreements. The precision (within 2 cm) with which NIP.V's technology can extract makes it particularly advantageous for mineralized corridors under 2 meters -- over 80% of known precious metals resources available in the world are in mineralized structures under 2 meters. Anecdotally, Mining MarketWatch Journal notes that last year the COO of a major South African miner said in its quarterly review of production that it was experimenting with Thermal Fragmentation, they didn't mention Nippon Dragon Resources, but we know there is no other company in the world that makes Thermal Fragmentation -- he also said the testing was going well. Interesting enough, NIP.V still has a dragon unit in operation in South Africa. Some of the mines in South Africa have ridiculously high grades of gold (e.g. >100 g/t), the drawback is the veins are narrow underground, however ideal for NIP.V's thermal fragmentation. In such a scenario possible efficiencies may result in several hundreds of thousands of dollars per year per unit in the field -- this will have a major positive impact on their bottom-line. Not only would the South African mine benefit from improved economics, the actual miners themselves would benefit from increased safety, and new jobs in next-generation technology that will increase minelife. Independent mining equipment analysts have estimated that when adoption accelerates there could be demand for 5,000 - 10,000 Dragon units globally. Cost savings are too lucrative to ignore and mining MarketWatch Journal believes a major contract/strategic agreement is imminent, requiring numerous dragon units, each generating IP fees for NIP.V. This will create a tailwind for further steepening of the adoption curve and the share price of NIP.V.



Fig. 3 (above) Pilot hole to 1x1m typically takes ~8 minutes.

Nippon is currently contract mining in Arizona:

Nippon entered into a gold production agreement with Au Consolidated inc., an Arizona Company. In Q4-2016 Nippon began Thermal Fragmentation operations on selected high grade narrow surface veins at Au Consolidated Inc.'s property located in Cochise County, near Willcox in the State of Arizona, U.S.A. To date, in excess of 480 six-inch holes were drilled all on the same mineralized structure, and thermal fragmentation operations have begun.

Nippon is using its own equipment and has also moved its portable 75 TPD mill onto the property, set-up is expected to be complete soon. In the interim material is being stockpiled. This mill was originally purchased new by NIP.V in 2008 for its Rocmec 1 gold project, it has a replacement value of ~\$5 million. The mill has the capacity of one Dragon unit; one dragon unit has the capacity of ~100TPD (important to note is that precision of **Thermal Fragmentation technology can often reduce dilution by up to 5 times, making the 75TPD mill the equivalent of 375TPD**).



Fig. 4 (above) - Nippon's 100%-owned 75TPD mill is currently being set up on site in Arizona. Originally purchased for NIP.V's Rocmec 1 Gold property, the mill is mobile and can follow production, it can be removed and installed in ~5 weeks.

1,000 ounces of gold recovered will be shared based on a ratio of 60/40.

Once gold production reaches the initial target of 3,000 ounces as stipulated in the agreement, a long-term agreement or sale of the thermal fragmentation unit(s) and Nippon's treatment plant can be negotiated between the parties.

Funding for activities was secured by Nippon via a Forward Gold Purchase Agreement with European buyers. Nippon sold 1200 units at US\$900.00 per unit, each unit representing one (1) gold ounce. The company intends to complete delivery of the gold ounces to the buyers ~14 months following on site mobilization. Nippon will also take the opportunity to showcase its technology to mining companies that have demonstrated a keen interest in implementing the technology within their own operations.

Nippon is advancing its flagship 100%-owned Rocmec 1 Gold Property toward a near-term mining scenario:

The Rocmec 1 Gold Project, located in the Abitibi region of Quebec, was acquired in October 2005. It has had >\$41M expended on the project to date, ~\$33M of that by NIP.V in rehabilitating the property, surface and underground infrastructure, diamond drilling, equipment, drifting and the acquisition of a 75 tpd treatment plant, designed for underground installation.

The property includes a 100 m deep two compartment shaft, an 844 m decline allowing access to five levels (50, 70, 90, 110 and 130 m). On these levels a total of 1700 m (drifts and cross-cut drift) were driven.

Mineralized structure is characterized by narrow high-grade quartz veins, ideal for Nippon Dragon's thermal fragmentation technology to create an efficient low cost production scenario.

The current (2010) resource calc.(with a cut-off grade of 3 g/t.) for measured/indicated stands at 570,300 tons at 6.52 g/t = 119,500 ounces. The resource is close to surface.



Fig. 5 (above) - Entrance portal to NIP.V's Rockmec 1 mine, inset photo of example of many high-grade veins. The mine is located 35 kilometres west of the town of Rouyn-Noranda and has excellent infrastructure.

Classification	Tonnage	Au (g/t)	Oz (31.103 g)	Average Thickness (m)	Volume (m3)	Surface (m2)
Measured	124 800	6.95	27 900	0.77	46 200	60 300
Indicated	445 400	6.4	91 600	0.65	165 000	255 000
Total	570 300	6.52	119 500	0.67	211 200	315 300
Inferred	1 512 400	7.4	359 600	0.75	560 100	749 900

Table 1 (above) - 2010 43-101 Resource Calc.

The global 43-101 of just under 500K oz gold is from 2010 (seen above), the Company has since conducted drilling to build ounces. There is no shortage of additional gold, NIP.V has identified the mother structure (Boucher Structure/Labyrinthe fault, which runs ~3.5 km on the property), and the deposit is open in all directions. As is typical for other miners in the area, they often only keep enough resources on paper to keep their mine operating for 2 - 5 years and simply add to the resource as they go. The Company has since identified robust new gold vein sections not in the 2010 43-101; on each side of its Boucher 1 and Boucher 2 veins there are stellar values averaging near 15 g/t over very long distances, plus ultra-high 'jewelry-box' grades over a couple meters in some places.

Tremendous value will be added to the the Company's market cap by performing a prefeasibility study with a new 43-101 that includes the aforementioned new sections near surface and advancing the mine to operating cash flow status. The Company has the technology and the portable on-site ~100TPD mill necessary to ensure a highly economical operation. It is estimated ~\$15 million Canadian is all that is needed to facilitate everything needed. Potentially another forward gold sale similar to what it achieved for Arizona would get it meaningfully towards that total, non dilutively. Once in operation at Rocmec 1, not only would the mine serve as a showcase and training location for the technology, the quarterly financial statements should impress.

Possibility to re-open closed mines which are deemed uneconomical with conventional mining methods:

Rocmec 1 Mine received its "1" to the name because the Company has identified ~45 past operating, now closed, gold mines in Quebec that it believes it can produce at for under US\$500/oz with its thermal fragmentation technology. In time, and with the right backing/partners there could be a Rocmec 2, 3, 4, 5.... etc. These historic mines are valued using old technology and could be picked up for next to nothing right now.

Thermal Fragmentation technology shows immense promise in the construction sector also:

Nippon's Thermal Fragmentation technology is ideal for making openings without explosives, fast and cost effectively. In some areas like Manhattan explosives and jack-hammers are prohibited now and major engineering firms are looking for solutions and have been actively knocking on Nippon Dragons' door. A few years back NIP.V received an investment from a construction engineering firm in Japan, that led to demos with firms in Asia, however the real excitement is what is happening now on this front from major, world-wide/global, engineering firms that are actively vetting the technology. It is not unreasonable to envision, in the next year, Thermal Fragmentation being touted as the preferred solution by some of the largest construction engineering firms -- a potentially lucrative deal on this front is possibly imminent near-term.

Aside: The Company's distributor in Australia is an engineer and actively uses Thermal Fragmentation. He has two Dragon units that belong to NIP.V and pays a rental fee per equipment per month when he uses them. The Australian developed new technology for security exits in mines using Thermal Fragmentation technology to make it, and he won a prize for best technology in mines for it.

Nippon Dragon exploits the toughest geology

Wasted ounces found in pillars and structures, that would otherwise be damaged with conventional blasting, can be surgically removed with Thermal Fragmentation. In fact, Nippon's technology is helpful in almost every underground mining activity. Nippon's process replaces or greatly improves/complements:

- Room and pillar method (flat, reef or any angle).

- Small long hole method.
- Large bolder reduction (facilitate mucking).
- Shrinkage method.
- Drop raise.
- Blind raise.
- Ventilation raise (primary and secondary).
- Drainage hole of 30 cm and more.
- Vibration blasting control.
- Perimeter blasting and stress reduction.
- Drift cut.
- Ore recovery in drifting.
- Ore pass/waste pass.

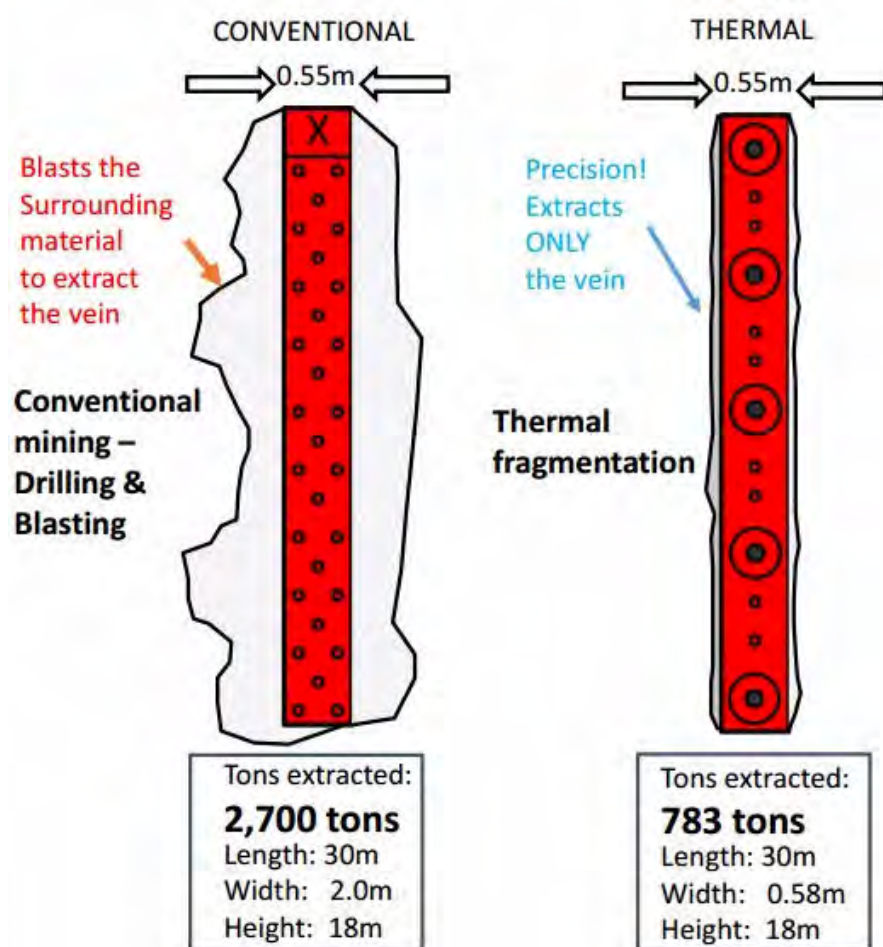


Fig. 6 (above) - Dilution – Conventional vs. Thermal (vein)

We expect to see shares of Nippon Dragon Resources Inc. trading on an upward trajectory/trend throughout 2017. Below is expanded insight on Nippon Dragon Resources Inc., its Thermal Fragmentation technology, and Rocmec 1 Gold Property.

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Recent news releases regarding Company accomplishments and operational developments:

- January 24, 2017 "[Nippon Dragon Resources will use DIAGNOS's Artificial Intelligence tools to optimize exploration of its Rocmec 1 and Denain properties](#)".
- January 6, 2017 "[Nippon's 'Dragons' get a positive independent report on its performance and low energy consumption](#)".
- November 22, 2016 "[Nippon Dragon Resources \(NDR\) closes a private placement and provides operational update on the Arizona project](#)".
- October 26, 2016 "[Nippon mobilizes its flotation plant in Arizona and increases number of gold ounces to be produced](#)".
- October 19, 2016 "[Nippon finalises R&D program on mini-lance](#)".
- September 12, 2016 "[Nippon secures funding for gold production via a Forward Gold Purchase Agreement](#)".

Welcome to Mining MarketWatch

We provide insight into resource companies, many which are so often overlooked gems and can provide exceptional potential to richly reward investors. The companies we select offer outstanding properties, management and experience in the mining/exploration industry.

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Nasdaq	5833.46	+18.56
Gold	1237.840	+3.885
Silver	18.0620	+0.1065
Bonds	151.25000	0.00000
US Dollar	100.89	+0.01
Euro	1.062065	+0.00091
Crude Oil	54.00	+0.22
Nat. Gas	2.883	-0.068

Thermal Fragmentation technology



Fig. 7 (left) Burner head.

- Is a mining method that uses heat in order to shatter/spall the high-grade veins greatly reducing the use of explosives.
- Extracting only the vein with minimal dilution.
- Could be used as a stand alone method or as the perfect complement to any conventional hard rock mining operation.

Nippon Dragon's President, Donald Brisebois, is credited with having developed and invented the "Thermal Fragmentation Process" for narrow vein precious metal extraction. He has held the positions of General Manager for Placer Dome Inc. (1981-1997); supervisor (1977-1981) for Falconbridge, Teck, Ross-Finlay. He acted as Chairman of the Quebec Mining Association Board; is a member of Canadian Institute of Mining and Metallurgy; Board Member of Soredem (Quebec Research Group) and numerous research teams to develop innovating mining methods focused on narrow vein ore bodies. He has a reputation in the industry for troubleshooting, and has won mining awards for 'Best Mine Manager in Canada' and 'Best Producer - Lowest Cost'.

Understanding the mining sector landscape & Thermal Fragmentation technology's impact on productivity:

The mining industry faces unprecedented economic challenges, and is considered to be one of the most polluting industries in the world. Innovation in the mining industry has been characterized by low R&D spending, antagonistic supplier relationships, inward industry focus, and a continued trend towards fewer, larger, longer-lived components. Even though the industry may have been able to continue experiencing efficiency and productivity gains in the past, we seem to have reached the pinnacle of current technologies. Indeed, bigger trucks and shovels represent and improvement over smaller versions and deliver marginal

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cost and production benefits, but they still depend on grossly wasteful energy conversion and human supervision at every stage.

Although technology can certainly improve operations in the mining field, its true benefits can be realized when it is applied to a "platform" approach or Nippon Dragon Resources' proposed "New Production Platform" that encompasses all major phases of the operation such as mine development, drilling and extracting, processing, transportation, as well as the provision of utilities. The Thermal Fragmentation mining method is a disruptive solution and transforms the entire process. Times change and for all industries in the world, technologies have changed almost everything except mining, in a meaningful way. We've reached a point that cost-cutting is no longer a solution to ensure profitability -- Nippon's process is disruptive and will reduce costs up to 60% for many mines in the world.



Fig. 8 (above) Hard rock mining over time: Mining has seen few changes since the invention of explosives. The depletion of economically viable gold deposit around the world is occurring and the squeeze is increasingly on for margins, known and renewable resources are more difficult to be extracted economically. Thermal Fragmentation fills an important gap and is an essential extraction method.

Minimizing dilution with Thermal Fragmentation



Fig. 9 (above left) -- Image of vein annotated with the degree of accuracy that thermal fragmentation works relative to without, (above right) from pilot hole to ~1 x 1 m.



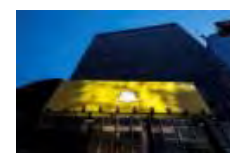
Fig. 10 (above left) -- Precision thermal fragmentation minimizes dilution.

Thermal Fragmentation method replaces :

- Room & Pillar method (flat or reef).
- Shrinkage method (manpower intensive).
- Small Long hole method (dilution problems).

Top Mainstream Stories

Snap arrives in London to woo skeptical investors ahead of IPO



Snap Inc, owner of popular messaging app Snapchat, kicked off its first investor roadshow on Monday, looking to persuade London money managers to back its initial public offering in the face of concerns about its growth prospects, valuation and corporate governance. The U.S. company, which has yet to make a profit, aims to raise between \$19.5 billion and \$22.3 billion from listing on the New York Stock Exchange, after cutting its initial target of \$20-\$25 billion last week following investor feedback. Investors attending Monday's event said Snap's 26-year-old Chief Executive Evan Spiegel gave a sleek presentation.

Euro zone mulls IMF involvement in Greece, mission to unblock new loans



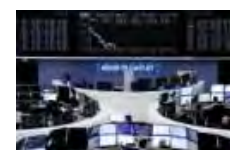
Euro zone finance ministers will discuss on Monday what reforms Greece must make to release new loans from the bloc's governments and get the International Monetary Fund to join the bailout. If the ministers reach an agreement, they will dispatch to Athens a mission of experts from the European Commission, the European Central Bank, the euro zone bailout fund ESM and the IMF to complete a review of the needed reforms. "Today we will just discuss getting the mission of the institutions back to Athens and that requires agreement on substantial reforms and additional measures to be taken," the chairman of euro zone ministers Jeroen Dijsselbloem said.

VW, unions make headway in talks over turnaround plan



HAMBURG/BERLIN (Reuters) - Volkswagen's labor bosses and top executives are making headway in talks to resolve a dispute over the implementation of a turnaround plan, both sides said, without elaborating. Labour leaders at Volkswagen (VW) earlier this month halted cooperation with management on issues including overtime work, efficiency gains and apprenticeships and accused executives of trying to squeeze greater savings than previously agreed.

Telcos, banks lift European shares, dollar dips



European stocks rose on Monday, with gains in telecoms and banks offsetting a big fall in Unilever, while uncertainty over political developments and the timing of a U.S. interest rate hike kept the dollar in check. Unilever (ULVR.L) shares fell nearly 9 percent at one point after U.S. food company Kraft Heinz Co (KHC.O) withdrew on Sunday a proposal for a merger with its larger rival in the face of stiff resistance. A 3 percent gain in Deutsche Telekom (DTGn.DE) helped push the index higher after a Reuters report that Japan's SoftBank (9984.T) is prepared to give up control of Sprint (S.N) to Deutsche Telekom's T-Mobile US (TMUS.O) to clinch a merger of the two U.S. wireless carriers.

Germany encouraged over Opel jobs, but UK union worries



BERLIN/LONDON (Reuters) - Initial talks between the German government and carmakers PSA (PEUP.PA) and General Motors (GM.N) have led to some encouraging signs that jobs at Opel factories will be preserved, though no guarantees have been made yet, a top official said on Monday. In contrast, a source close to Britain's biggest trade union said it was increasingly concerned about the future of Vauxhall plants in England, should Peugeot-maker PSA seal a deal to buy GM's European Opel/Vauxhall arm. Europe's car industry has been dogged by overcapacity for years, and analysts have said the planned sale of GM's loss making European business to France's PSA is likely to result in some cutbacks.

Freeport warns of arbitration as Indonesia mining dispute escalates

U.S. mining giant Freeport-McMoRan Inc (FCX.N) warned on Monday it could take the Indonesian government to arbitration and seek damages over a contractual dispute

Key benefits:

- Major dilution reduction (4:1 ratio approx.).
- Little or no wall damages caused by blast vibrations.
- Significant cost savings related to ore handling and ore treatment (1 – 13 mm size fragments).
- 2 person team per machine (efficiency).
- Green technology (500 tpd vs 2,500 tpd).
- Cash cost reduction (30%-60% approx.).
- Selective mining.
- Increased Safety.



Fig. 11 (above) -- Fragmented mineralized ore;

- Rock fragments from 0 to 13 mm.
- Optimal in hard and dense rock.
- The ore does not have to be crushed.

Green benefits:

- Massive reduction in energy consumption and greenhouse gas emissions.
- Significantly decreases environmental footprint.
- Reduces the risk of environmental disasters.

Impacting the entire mining process:

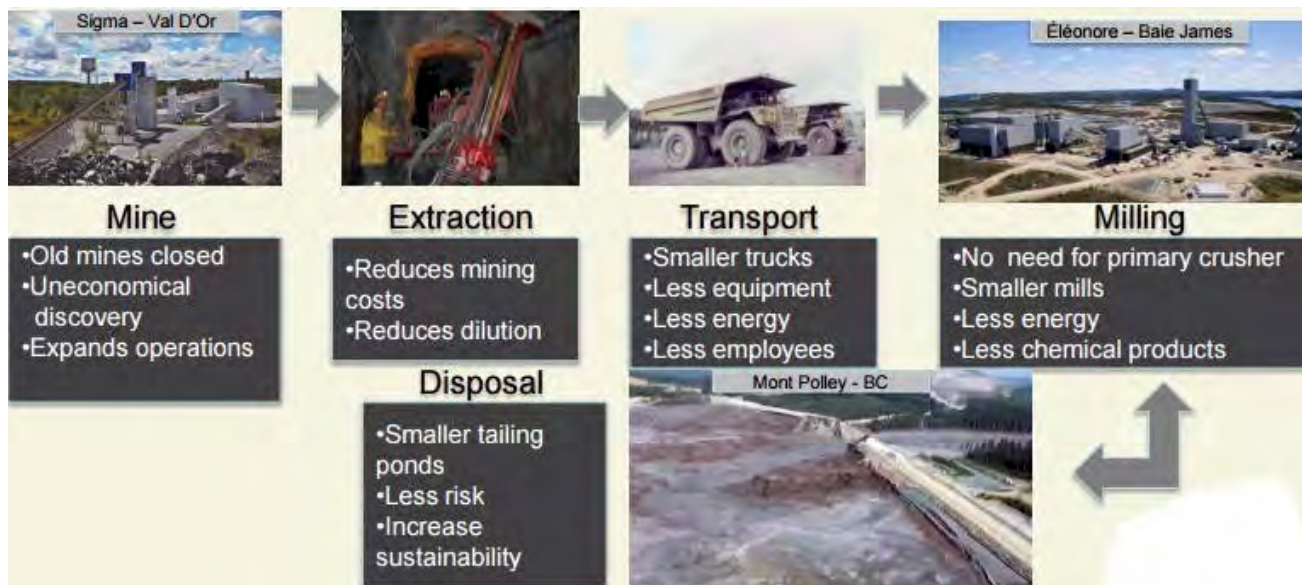


Fig. 12 (above) -- The Thermal Fragmentation mining method is a new production platform which positively impacts all stages of a mining operation.

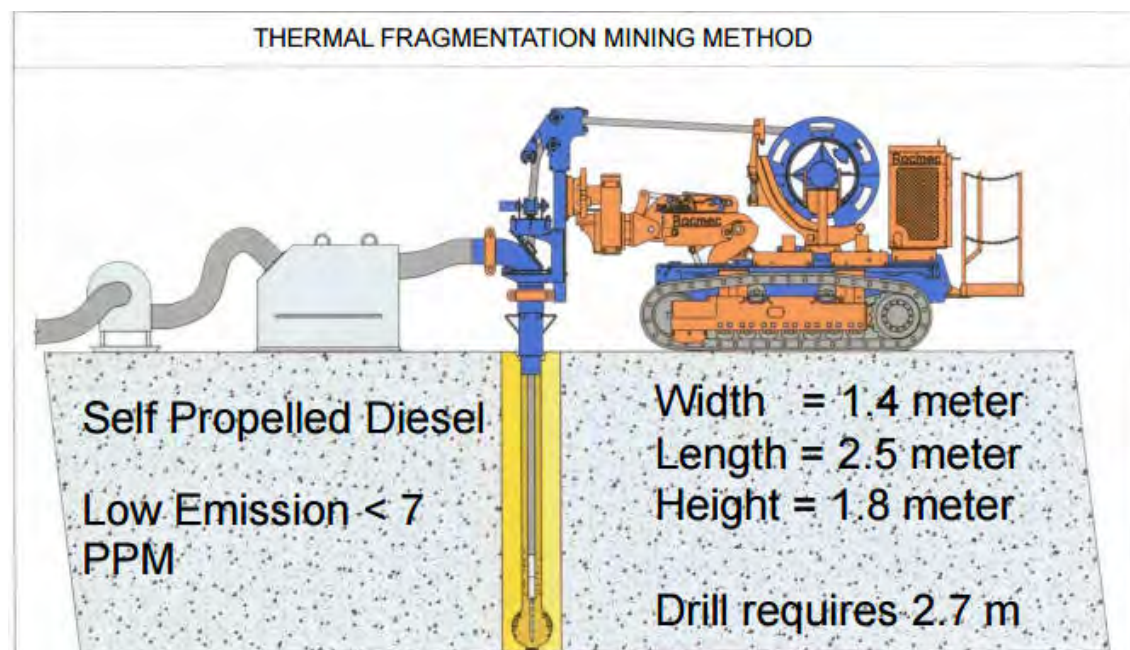


Fig. 13 (above) -- Thermal unit.

- The thermal head is inserted into the pilot hole.
- The head is ignited and compressed air is added to create a thermal 'cushion'.



that has halted operations at the world's second-biggest copper mine. In an escalation of the dispute, Freeport Chief Executive

Richard Adkerson also said the company's local unit had made its first layoffs since negotiations started in January over a new mining permit, and it may let go more workers this week. The row, which centers around the sanctity of Freeport's 30-year mining contract, comes as Indonesia seeks to squeeze more revenue out of its mining industry through a shake-up of regulations over foreign ownership and ore processing.

Wanted: a CEO willing to hold Greek banking's "poisoned chalice"



Wanted: a chief executive to run Greece's bank-rescue fund. The fund, financed by euro zone and International Monetary Fund

loans, has not explained its failure to find a new leader, but a source close to the recruitment process said the role was challenging and "less enticing than initially thought". The CEO's role is to use the fund's leverage as a major investor in three of Greece's four major listed banks to help push through banking reforms designed by the European Union, the European Central Bank and IMF and to eventually divest its stakes, returning banks to private hands.

This new iPhone 8 feature might end up blowing our minds



Amid rumors that the iPhone 8 will incorporate advanced facial recognition features, the Hebrew-language website Calcalist (via *Times of Israel*) is reporting that Apple recently acquired Realface, an up-and-coming Israeli startup with impressive real-time facial recognition software.

Lending credence to rumors that the iPhone 8 may forgo the use of Touch ID in favor of facial recognition, Realface's software is said to be sophisticated enough such that it can reliably be used as a foundation for mobile-based biometric authentication. As is often the case when Apple acquires a company, Realface's web presence has already been wiped from the web. Still, thanks to the magic of Google, we were able to poke around and dig up some intriguing nuggets of information about the company's promising technology.

Realface boasts that its AI software rests upon deep learning methods and is so reliable and quick that the end-result is an absolutely seamless user experience. "Our technology provides our customers and end-users with the highest level of authentication and security available on all platforms," says Realface. "We have proprietary IP in the field of frictionless face recognition and effective learnings from facial features." Incidentally, Realface's technology is also capable of filtering out photos of faces and advanced sculptures designed to trick the software into thinking that a device's camera is honed in on an actual human face.

Further, Realface claims that its software can recognize faces with a 99.67% success rate, an impressive figure that is even higher than the average 97.5% success rate exhibited by humans. To this point, a profile on Realface from last year relays that the company's technology is so advanced that it can even distinguish between identical twins with alarming and impressive accuracy.

Below is a quick and dirty demo of the software in action.
<https://www.youtube.com/watch?v=UNikxGmlgW0>

What's particularly interesting is that Realface's technology is not only capable of discerning individual faces, but can also analyze specific facial expressions as a means to determine a user's mood. If this sounds somewhat familiar, Apple last year acquired Emotient, a company with similar AI technology of its own.

Now as for what Apple is planning to do with its growing portfolio of AI-based facial recognition software, well, that's the million dollar question. While initial speculation centered on Apple rolling out augmented reality features, perhaps similar to what the beloved MSQRD app does, more recent rumblings suggest that Apple wants to position facial recognition as a means to identify users and securely authorize sensitive transactions. Again, there are even reports that facial recognition might ultimately serve as a replacement for Touch ID.

While this seems far-fetched, Ming Chi-Kuo -- an analyst with the best track record regarding Apple rumors -- seems to think otherwise. In a recently issued research note, Kuo claims that the iPhone 8's rumored edgeless design cannot, for whatever reason, coexist peacefully with Touch ID. Consequently, Kuo relays that Apple wants to eventually replace Touch ID with a facial recognition solution.

- Maximum width is 1200 mm (~10 min.).
- No angle limitation.
- Little or no wall damages caused by blast vibrations.



Fig. 14 (above) -- The Company has two models. The normal Dragon unit (seen left, above) is on tracks, it can also accommodate a drill. The Mini-Dragon unit (seen right, above) is very small, it will fit in small drifts. Nippon Resources Inc. has a manufacturing hub in the Val d'Or area of northern Quebec. Right now it is in a position to produce 2 to 3 Dragon units per month. The unit is designed for toughness, and parts for the Dragons can be replaced using standard Caterpillar-type parts, apart from the burner head (which comes from the Company). Under normal use the burner head typically has a lifespan of ~1yr before pro-active replacement.

**Rocmec 1 Gold Property, Rouyn-Noranda, Quebec -- 100%-owned
Advanced stage, fully permitted, near-turnkey ready mining scenario.**

[Download PDF of Rocmec 1 Technical Report.](#)

- NI43-101 May 2010 confirmed 479,100 oz all categories (3 gpt cut-off).
 - Bloc 600 m X 600 m X 275 m deep.
 - Open all directions.
- 83 hectares + 2,088 hectares unexplored.
 - 83 Hectares represents ~3% of surface area.



Fig. 15 (above) Rocmec 1 portal



Fig. 16 (above) Activity at Rocmec 1



Fig. 17 (above) Rocmec 1 Gold Property Location Map -- 35 kilometres west of the town of Rouyn-Noranda and is easily accessible from Route 117



Fig. 18 (above) -- Mineralized Boucher structure/veins coincides with the Lac Labyrinthe Fault (annotated on satellite view of area). The width of the structure is ~30 m, and it runs for >3.5 km on the property.

Mining-friendly province: Quebec is unanimously agreed in the mining community to be a stable, mining-friendly region and is ranked as a top-tier jurisdiction by the Fraser Institute. Quebec is generous in tax incentives for exploration, and low hydro-electric costs.

When it comes to Apple, the old adage that *when there's smoke, there's fire* is generally true. That being the case, it stands to reason that facial recognition will be a huge and incredibly exciting component of the iPhone 8 user experience.

Amazon to open its fifth logistics center in Poland



U.S. online retailer Amazon.com Inc (AMZN.O) will open its fifth logistics center in Poland this year, it said on Monday, seeking to benefit from the

country's relatively low wages and proximity to the large German market. The decision adds to a trend of multinational companies opening shared services and logistics centers in the European Union's largest eastern member to tap its relatively large and skilled workforce. The new logistics center in Poland, where unemployment is already at a record low of about 8 percent, could also help insulate Amazon's business from the risk of frequent labor strikes in neighboring Germany.

Philippines: Vietnamese ship attacked; 1 dead, 6 abducted

Philippines: Vietnamese ship attacked; 1 dead, 6 abducted

MANILA, Philippines (AP) — Gunmen attacked a Vietnamese cargo ship off the Philippines' southern tip, killing a Vietnamese

crewman and abducting six others including the vessel's captain, the Philippine coast guard and the ship's owner said Monday.

Kraft backs out of Unilever bid after hostile reception



Kraft Heinz Co's rapid retreat from its surprise \$143 billion bid for Unilever in the face of stiff resistance knocked the Anglo-Dutch company's

shares on Monday as investors assessed the impact of the ...

UK government has no intention of revoking Article 50: PM May's spokesman



The British government has no intention of revoking its withdrawal from the European Union once the formal exit

process has been triggered, Prime Minister Theresa May's spokesman said on Monday. May plans to trigger Article 50 of the EU's Lisbon Treaty by the end of March, beginning up to two years of divorce talks. Lawyers for the government have said that, once started, the process is irrevocable, but some EU leaders say Britain can change its mind and a legal challenge to determine whether it can be reversed has been filed with an Irish court.

Don't Look Now. But There's Another Greek Debt Crisis Brewing



Talks over Athens' debt burden threaten to spill into European election season.

Scuffles at Thai temple as police hunt for monk

Scuffles at Thai temple as police hunt for monk

By Cod Satrusayang and Aukkaraporn Niyomyat BANGKOK (Reuters) - Monks and police scuffled on Monday at a

Buddhist temple in Thailand where security forces are trying to arrest an influential former abbot on money-laundering charges. The standoff at the scandal-hit Dhammakaya Temple represents one of the biggest challenges to the authority of Thailand's junta since it took power in 2014. Police said they would try to avoid violence while threatening arrest for followers of the sprawling temple who have defied orders to leave and instead flocked there, hampering the search for 72-year-old Phra Dhammachayo.

Philippines' Duterte ordered murders: ex-police aide



Philippine President Rodrigo Duterte ran a death squad that killed many people, including a journalist and a pregnant woman, when he was mayor of a southern city. a

Noteworthy Veins of Rocmec 1 - The ore body is well defined by diamond drill holes.

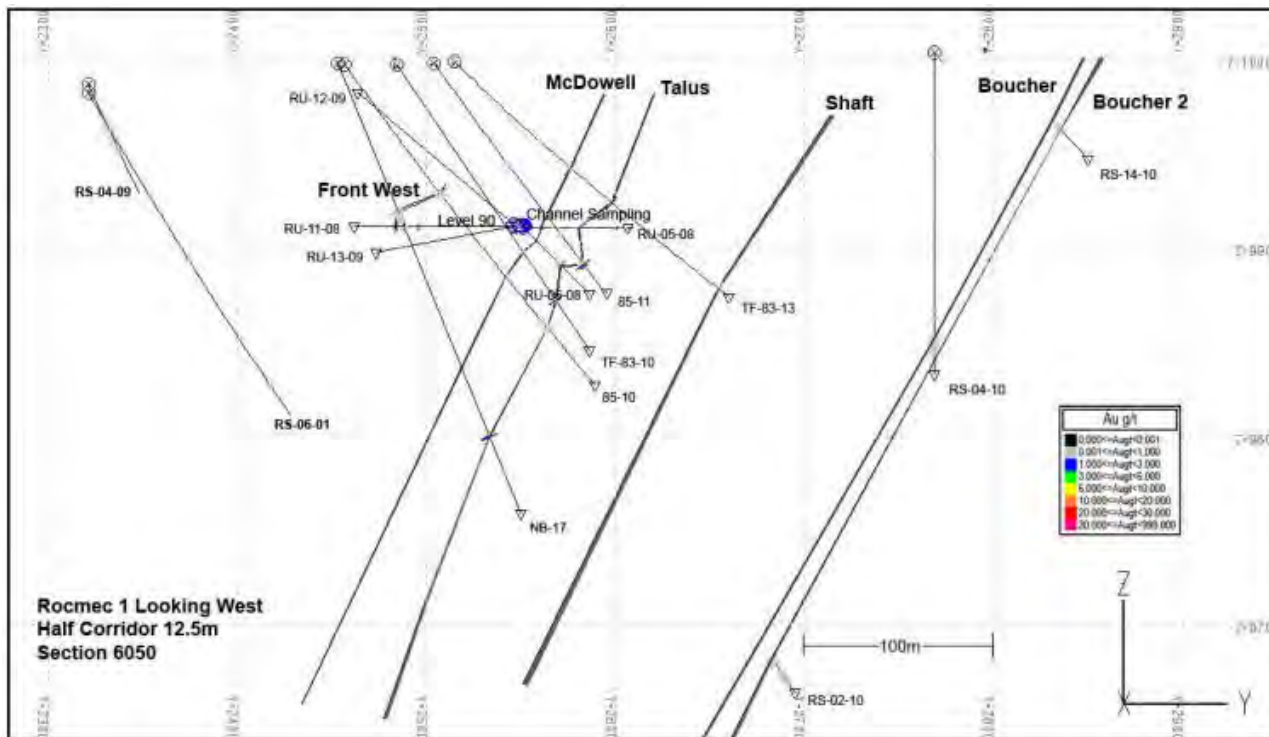


Figure 19 (above) -- Section 6050mE Rocmec 1 looking West

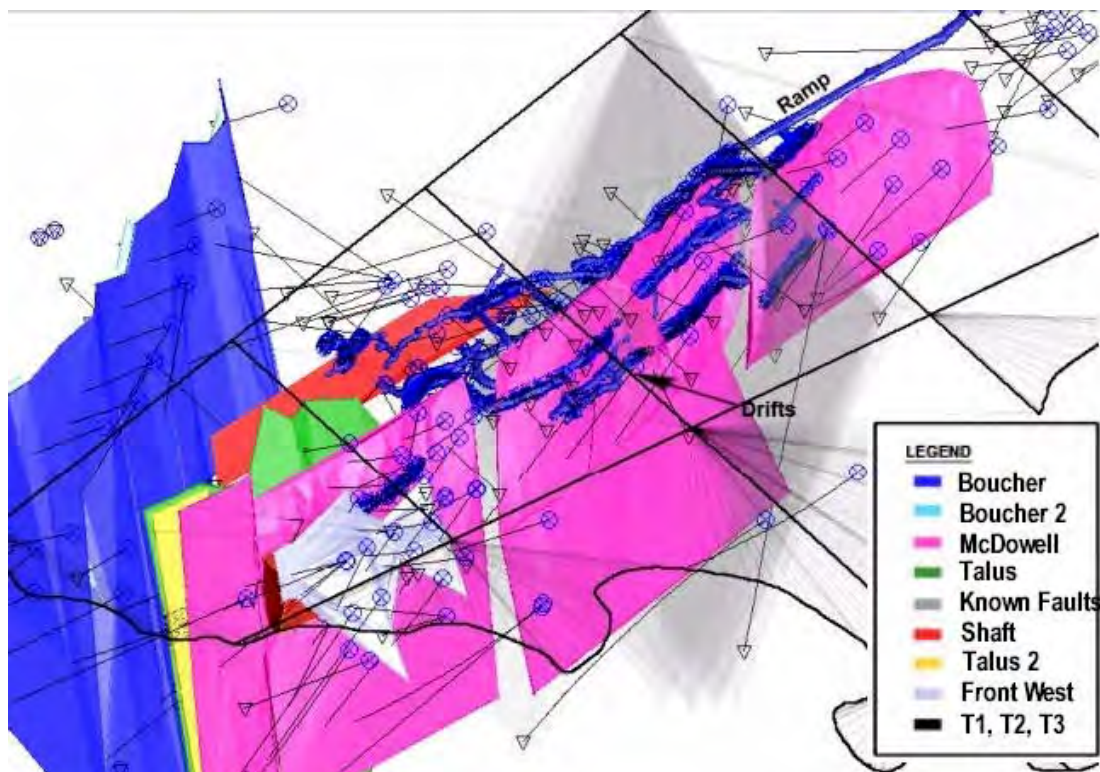


Figure 20 (above) Oblique View of the Rocmec 1 Mineral Deposit veins and structures. To date, Nippon Dragon has invested approximately \$33,000,000 in rehabilitating the property, surface and underground infrastructure, diamond drilling, equipment, drifting and the acquisition of a 75 tpd treatment plant, designed for underground installation. The property includes a 100m deep two compartment shaft, an 844 metre decline allowing access to five levels (50, 70, 90,110 and 130 metres). On these levels a total of 1700 metres (drifts and cross-cut drift) were driven.

2010 Resource:

Classification	Tonnage	Au (g/t)	Oz (31.103 g)	Average Thickness (m)	Volume (m3)	Surface (m2)
Measured	124 800	6.95	27 900	0.77	46 200	60 300
Indicated	445 400	6.4	91 600	0.65	165 000	255 000
Total	570 300	6.52	119 500	0.67	211 200	315 300
Inferred	1 512 400	7.4	359 600	0.75	560 100	749 900

Table 1b (above) - 2010 43-101 Classification table of global resources, prepared with a cut-off grade of 3 g/t, an industry standard. The resources measured/indicated now total 570,300 tons at 6.52 g/t or 119,500 ounces vs. 477,400 tons to 5.59 g/t or 85,900 ounces.

Summary of veins

Front west vein:

This mineralized zone recognized by diamond drill holes is near surface to the west of existing shaft, no special name was given, only in accordance to the fact it sits in front of the McDowell i.e. on the hanging wall. Actual known extent of the zone ranges from 5950Me and 6080mE near surface to 110m at depth. Grades range from trace to 67.87 g/t. and widths vary from 0.15 metres to 1.53 metres. The best intersection encountered is 67.87 g/t over 1.44 metres.

McDowell vein:

The McDowell vein is the longest gold bearing structure on the property. This main dislocated structure represent the Western McDowell vein, McDowell, the West Claude, the Russian Kid and the Beaudoin vein form one continuous orebody, The structures were followed in the underground development or intercepted by diamond drill holes for 1660

retired policeman who claimed to be part of the group said Monday. Arthur Lascanas, sitting alongside three prominent human rights lawyers, broke down in tears as he listed a series of murders in Davao city that he alleged Duterte ordered either to eliminate critics or fight crime. Lascanas said he even killed his two brothers, who were involved in drug trafficking, due to "blind loyalty" to Duterte as well as cash rewards.

Iran says Saudi, Israel working to damage country



Iran on Monday criticised what it said was coordination between Israel and regional rival Saudi Arabia, describing attempts to create an "international atmosphere" against Tehran. Israel and Saudi Arabia accuse Iran of fuelling regional conflicts by supporting armed Shiite movements in Syria, Iraq, Yemen and Bahrain.

Debt-saddled Mongolia agrees \$5.5 bn IMF bailout



Mongolia has reached an agreement with the International Monetary Fund on a \$5.5 billion bailout package, officials announced, as the debt-wracked country tries to stabilise its economy. The landlocked north Asian nation has been hit hard by a more than 50 percent fall over the past five years in the price of copper, its main export. Billions of dollars' worth of natural resources lie buried beneath Mongolia's sprawling steppes, but development has been delayed for years and slowing growth in its biggest customer China has hobbled the economy.

New Zealand court rules Megaupload founder Kim Dotcom can be extradited to U.S. for alleged fraud



New Zealand court ruled on Monday that internet entrepreneur Kim Dotcom could be extradited to the United States to face charges relating to his Megaupload website, which was shutdown in 2012 following an FBI-ordered raid on his Auckland mansion. The Auckland High Court upheld the decision by a lower court in 2015 on 13 counts, including allegations of conspiracy to commit racketeering, copyright infringement, money laundering and wire fraud, although it described that decision as "flawed" in several areas. Dotcom's lawyer Ron Mansfield said in a statement the decision was "extremely disappointing" and that Dotcom would appeal to New Zealand's Court of Appeal.

On frozen fields, North Korean farmers prep for battle ahead



PYONGYANG, North Korea (AP) — Plug your noses and ready your "Juche fertilizer." It's time to prep the frozen fields in North Korea.

AstroBot Kit Teaches Kids the Joys of Coding



One of the most intriguing robot kits at this year's show, UBTECH's AstroBot kit can be built into one of three different characters and programmed using a simple mobile app. Available this spring for \$199, AstroBot can be built as either a treaded robot that looks a bit like Walle, a humanoid-style robot or a wheeled vehicle. An infrared sensor keeps AstroBot from bumping into objects as it moves around.

Toughening penalties if pets are harmed during crimes



FLORIDA, N.Y. (AP) — When Denise Krohn came home to find her goldendoodle Kirby bleeding on the kitchen floor, she at first thought it was a terrible accident. But she soon realized that her home had been ransacked, and that her other dog, Quigley, was lying dead on his favorite blanket in the living room.

Syrian rebels say army attacks wrecking ceasefire efforts

Syrian rebel groups who have participated in peace talks said on Sunday that an upsurge in Syrian army shelling and

meters East West with an average width close to one (1) meter. The pyrite associated with the vein is present in millimetre-length veinlets within the mass of quartz and preferably in contact of the vein with the wall-rock. The Hanging wall and the footwall both contain coarse pyrite. Lower vein wall (foot wall) is characterized with fine pyrite and is disseminated over more than three meters. It is carrying gold bearing mineralization until a vertical depth of 400 meters. This vein was developed and followed with the underground levels 150, 300 and 425(ft) now level 45, 90 and 130 meters. Grades range from 0.03 g/t to 120.00 g/t and widths vary from 0.07 metres to 5.00 metres. The best intersection encountered is 74.65 g/t over 2.34 metres.

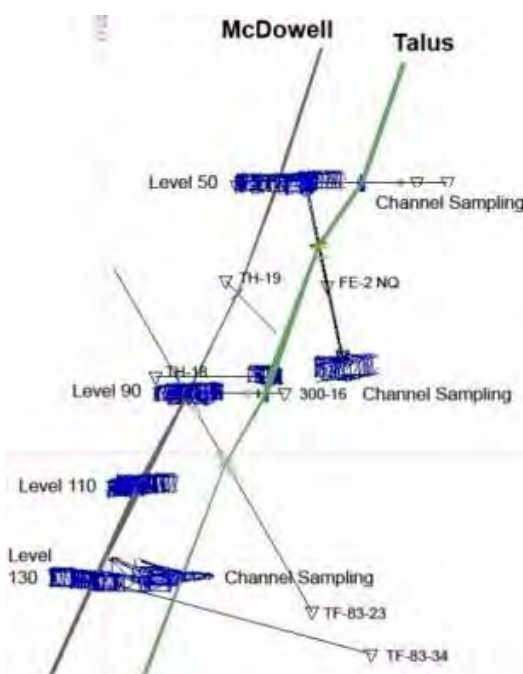


Fig. 21 (above) -- Section 6400mE Looking West, McDowell & Talus veins.

Cut-off:3.0 g/t Au		Capping at 45g/t Au		SG: 2.7			
Vein/Structure	Classification	Tonnage	Au (g/t)	Oz (31.103 g)	Average Thickness (m)	Volume (m3)	Surface (m2)
McDowell	measured*	73 100	7.33	17 200	0.83	27 100	32 600
	indicated	159 900	5.99	30 800	0.66	59 200	90 000
	Total	233 000	6.41	48 000	0.70	86 300	122 600
	Inferred	394 200	4.50	57 000	0.74	146 000	197 400

Talus vein:

The Talus vein is probably a secondary sub parallel branch structure to the McDowell vein whose junction point is located close to the section 6445mE. The Talus vein extends to the west of this junction point and is followed and identified up to the 6000mE coordinate. Some sampling of the vein was done in the drift at the 90m level. The actual known extension at depth is 400m. Grades range from 0.03 g/t to 61.58 g/t and widths vary from 0.05 metres to 3.04 metres. The best intersection encountered is 37.02 g/t over 1.22 metres.

Cut-off:3.0 g/t Au		Capping at 45g/t Au		SG: 2.7			
Vein/Structure	Classification	Tonnage	Au (g/t)	Oz (31.103 g)	Average Thickness (m)	Volume (m3)	Surface (m2)
Talus	Measured	31 100	6.24	6 200	0.88	11 500	13 100
	Indicated	79 100	6.50	16 500	0.70	29 300	41 900
	Total	110 200	6.43	22 800	0.74	40 800	55 000
	Inferred	215 700	7.57	52 500	0.62	79 900	129 800

Shaft vein:

Located near the mine shaft, the vein is encountered at level 45 meters. Gold bearing mineralization appears in a broad brecciated zone consisting of alternating silicified, pyritized and sericitized diorite bands, and thin milky quartz bands. The distribution of the gold contents is erratic although gold values increase at a depth. The results of sampling of drift made by North Bordulac Mines show that there would be more than one gold bearing structure besides the shaft as North and South satellite veins to the shaft veins within that sector, these are not taken into account in the resource estimation at the moment. Grades range from 0.01 g/t to 28.01g/t and widths vary from 0.12 metres to 2.41 metres. The best intersection encountered is 18.15g/t over 1.53 metres.

Cut-off:3.0 g/t Au		Capping at 45g/t Au		SG: 2.7			
Vein/Structure	Classification	Tonnage	Au (g/t)	Oz (31.103 g)	Average Thickness (m)	Volume (m3)	Surface (m2)
Shaft	Measured	20 700	6.68	4 400	0.52	7 700	14 700
	Indicated	116 200	5.79	21 600	0.56	43 000	77 100
	Total	136 900	5.92	26 100	0.55	50 700	91 800
	Inferred	253 500	8.24	67 200	0.59	93 900	159 600

Boucher vein:

During one site visit in November 2006, core from the new Nippon Dragon diamond drill hole RS- 06- 01 was reviewed and sampling instructions were given, the mineralized zone was spectacular with presence of visible gold associated with quartz carbonate vein. The zone is located at 165m on the footwall of the McDowell zone. The zone is very impressive and differs significantly by the amount of quartz and the mineralized core width. Visible gold was observed and special sampling procedures were taken to obtain a representative assay value. Grades range from 0.01g/t to 29.94 g/t and widths vary from 0.43 metres to 2.74 metres. The best intersection encountered is 20.06 g/t over 1.45 metres (click to view core samples).

Pictured right present the aspect of the visible gold and the Boucher zone.

Cut-off:3.0 g/t Au		Capping at 45g/t Au		SG: 2.7			
Vein/Structure	Classification	Tonnage	Au (g/t)	Oz (31.103 g)	Average Thickness (m)	Volume (m3)	Surface (m2)
Boucher	Measured	0	0.00	0	0.00	0	0
	Indicated	58 700	5.46	10 300	0.86	21 700	25 400
	Total	58 700	5.46	10 300	0.00	21 700	25 400
	Inferred	348 100	9.94	111 200	0.91	128 900	141 600

Syrian rebels say army attacks wrecking ceasefire efforts

bombing was wrecking the prospects of maintaining a ceasefire brokered by Russia and Turkey. The rebel groups, mostly

backed by Turkey, have attended two rounds of talks in the Kazakh capital Astana. Mohammad Alloush, the head of the Astana talks delegation, said the rebel groups who signed a shaky ceasefire deal late last year that was meant to end bombing of civilians were ready to go back to "all out war".

Police Build Kitty Condo for Stray Cat That Has Been Visiting Department For Years



One officer spent several nights working on the condo.

UAE signs \$1.2 bn in deals as arms fair opens



Abu Dhabi (AFP) - The four-day International Defence Exhibition and Conference (IDEX) kicked off Sunday in Abu Dhabi with the

United Arab Emirates announcing 21 deals worth more than \$1.2 billion.

The United Arab Emirates wants to build a city on Mars



Elon Musk isn't the only person who wants to build a city on Mars. Now the United Arab Emirates has announced that it wants to establish

a "mini-city" on the red planet by 2117. UAE prime minister Sheikh Mohammed bin Rashid Al Maktoum explained the monarchy's Mars plans in a series of tweets on Feb. 14. SEE ALSO: Dubai is bringing the world its first rotating skyscraper "The project, to be named 'Mars 2117,' integrates a vision to create a mini-city and community on Mars involving international cooperation," Sheikh Mohammed said. "Mars 2117" is a seed we are sowing today to reap the fruit of new generations led by a passion for science and advancing human knowledge. pic.twitter.com/Extnpio2B — HH Sheikh Mohammed (@HSHkMohd) February 14, 2017 "Mars 2117 includes a major space sciences focus in our universities. We're building a space pioneering passion among our young people." It makes sense for officials to use this project to inspire young people: They're the ones who will probably do the vast majority of the work. If the UAE wants to have a fully-functioning city on Mars in 100 years, it will have to be a multi-generational effort that will span many decades, given the incipient state of the nation's space program and current global capabilities as well. The "Mars 2117" project will develop an Emirati and international team of scientists to push the human exploration of Mars in years to come. pic.twitter.com/5ujxvyC8As — HH Sheikh Mohammed (@HSHkMohd) February 14, 2017 In the time between now and 2117, the UAE, with an international partnership of researchers, will start trying to find a faster mode of transportation to the red planet, and figure out what food and shelter should be on the cold, dry world. "Mars 2117" is a seed we are sowing today to reap the fruit of new generations led by a passion for science and advancing human knowledge," Sheikh Mohammed said. The UAE has already put the world on notice that the oil-rich nation has aspirations beyond our home planet, having previously announced its plan to send a robotic mission to Mars in 2015. That uncrewed spacecraft, called Hope, would fly to the red planet in 2020 and make it into orbit there in 2021. The project, to be named "Mars 2117", integrates a vision to create a mini-city and community on Mars involving international cooperation. pic.twitter.com/v27JA3K3pS — HH Sheikh Mohammed (@HSHkMohd) February 14, 2017 Musk's SpaceX is also working toward creating a city on Mars, though the commercial space company's timeline isn't exactly clear. Musk claims that SpaceX is working toward sending its first people to Mars by 2024, about a decade before NASA is expected to send their first crewed mission to the vicinity of Mars. That said, the company's plans are still a bit murky when it comes to the timeline for actually creating its city, aiming for sometime in the 2060s. Musk thinks there will be plenty of people who want to leave Earth behind. We aspire in the coming century to develop science, technology and our youth's passion for knowledge. This project is driven by that vision. pic.twitter.com/4QibJitiM2 — HH Sheikh Mohammed (@HSHkMohd) February 14, 2017 "Not everyone will want to go. In fact, I think a relatively small number of people from Earth would want to go, but enough would want to go and who could afford the trip that it would happen," Musk said during



Figure 22 (above) -- Core from Boucher vein.

Boucher 2

The Boucher 2 zone is similar to the Boucher, but it is located 25 m behind to the north on the foot wall of the Boucher, locating it almost 190m from the McDowell, no other diamond drill holes have reached such a distance from the McDowell on the north side. It also indicates that mineralization is not limited to the actually known corridor but extent to the north of the previously known sectors. Grades range from 0.01g/t to 29.76 g/t and widths vary from 0.16 metres to 3.77 metres. The best intersection encountered is 27.91 g/t over 1.77 metres.

Vein/Structure	Classification	Tonnage	Cut-off:3.0 g/t Au		Capping at 45g/t Au		SG: 2.7	
			Au (g/t)	Oz (31.103 g)	Average Thickness (m)	Volume (m ³)	Surface (m ²)	
Boucher 2	Measured	0	0.00	0	0.00	0	0	
	Indicated	31 500	12.20	12 400	0.57	11 700	20 600	
	Total	31 500	12.20	12 400	0.00	11 700	20 600	
	Inferred	272 900	7.20	63 100	0.92	101 100	110 300	

Diamond drill campaigns:

Nippon Dragon conducted several diamond drill campaigns on the Rocmec 1 property over the past years, two of which by contractors, the others by Nippon Dragon employees. All of the diamond drill campaigns were designed and carried out following the reasoning of "drill for structure and drift for grade". A NI43-101 compliant report was prepared Système Géostat International of Blainville (Quebec) and made public in May 2010. The results delineated measured and indicated resources of the Boucher and Boucher 2 structures totalling 22,700 ounces respectively, the Boucher Structure of 58 700 tonnes at 5.46 g/t Au totalling 10,300 ounces and the Boucher 2 structure of 31,500 tonnes at 12.20g/t Au totalling 12,400 ounces with a cut-off grade of 3 g/t This is the first time that Nippon Dragon obtains this type of resource category for the structure that was discovered in 2006. The Boucher vein has now been indentified over a distance of 450 meters in length, at depths of 450 meters and remains open in all directions.

Nippon Dragon Resources' Technical Leadership, Management, and Governance [Skip to top](#)

The current management team and board of directors has a well rounded combination of people that each contribute expertise in disciplines necessary for a successful mining entity:

Donald Brisebois, President, CEO, Director

Mr. Brisebois graduated as mining technologist from the Abitibi-Temiscamingue Rouyn-Noranda college. Until recently, Mr. Brisebois was the CEO of Rocmec Mining (2005-2012). He has been the General Manager (2001-2004) of Rocmec International Inc. and is credited with having developed and invented the "Thermal Fragmentation Process" for narrow vein precious metal extraction. Prior to that, he has held the positions of General Manager for Placer Dome Inc. (1981-1997); supervisor (1977-1981) for Falconbridge, Teck, Ross-Finlay. He acted as Chairman of the Quebec Mining Association Board; is a member of Canadian Institute of Mining and Metallurgy; Board Member of Soredem (Quebec Research Group) and numerous research teams to develop innovating mining methods focused on narrow vein ore bodies.

Jean-Yves Therien, Vice-president Business Development

Mr. Thérien holds a Bachelor degree in Administration (specialized in finances) from l'UQAM. He has worked for 18 years as placement advisor for multiple brokerage Companies. His team spirit, entrepreneurship, perseverance and dynamism allow Nippon Dragon to establish a niche in the industry and to exploit markets never developed before.

Dr. Michael M. Avedesian, Ph.D., Eng., FCAE, FCIC, Senior Advisor

Former President, Noranda Magnesium and Magnola Metallurgy, Dr. Avedesian has over 33 years of operations and business management experience in the metals and minerals sector. He holds a bachelor's degree with honors in Chemical Engineering from McGill University, and a Ph.D. in engineering from Cambridge University. In 2001, he culminated a 21 year career with Noranda Inc. having held responsibilities in several roles including technical, operations, business management and executive management. He also worked 6 years with Domtar Corp. as Director, Corporate Development in the 1980s primarily in the Chemicals Division which at that time was a vertically integrated mining company in industrial minerals including salt, gypsum and limestone products. Dr. Avedesian also had two successful start-up companies for which he was the founding CEO. One start-up had a successful IPO on the Toronto Stock Exchange. Upon retirement from his corporate career, he was invited to join McGill University in 2003 where he currently teaches courses in strategic management, technological entrepreneurship and launching new enterprises at the MBA and graduate level in both the Faculty of Management and the Faculty of Engineering. Recently, Michael also served as a Director and CEO of Tawsho Mining Inc., a junior gold exploration company publicly traded on the TSX Venture exchange. Currently, he also serves on the Board of Directors of TM4, a company which designs and manufactures electromechanical drive train systems for hybrid and electric vehicles. In addition to his teaching duties at McGill University and his Board responsibilities, Dr. Avedesian also runs an active consulting business in the mining and metallurgical industries with major projects currently underway in Abu Dhabi and China. Michael is a member of Ordre des ingenieurs du Quebec, Professional Engineers of Ontario, and the C.S.Ch.E. (for which he was President in 1992-1993). He was elected Fellow of the CIC in 1993. In 1998 he was inducted as a Fellow in the Canadian Academy of Engineering.

Nikola Vukovic, QP, Director

With 30 years in the mining business, Mr. Vukovic has extensive global experience in a range of mining functions; including projects evaluation, financing, development and operations. He was successful with strategic planning, business development and in implementation of leading business practices for sustainable or

trip that it would happen, Musk said during a speech in September 2016. Neither SpaceX nor the UAE can get to Mars alone, however. Both need to have international and private partners that will help make a city on Mars a reality within their timeframes. It's unclear if the monarchy and the private company will team up on their Mars ambitions, but Musk did say that he's open to public and private partnerships for the mission. BONUS: Obama plans to send humans to Mars by 2030s

