

Western Miner .COM

Marketing Report

FYI from...

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www.SilverMiningClaims.com
photovoltaic silver/lead/zinc/copper >>>

www.NephelineSyenite.com
<<< all natural additive for AAC concrete

**INSTEAD OF SIMPLY BUYING MORE
SPECULATIVE PAPER, WHAT WOULD
YOUR ROI BE IF YOU PERSONALLY
HELPED BUNDLE TWO VERY SOLID
“ECO MIRACLE” METALS INTO A
SALEABLE MUCH NEEDED PRODUCT ?**

Western Miner has been connecting U.S. Mining Law of 1972 Claim Holders through
“insider supply side information” direct to value aware Mining Investors since 1998.

THIS IS A “BEST USE” PROPOSAL FOR OREGON’S TABLE MOUNTAIN NEPHELINE in an ECO smart, and affordable, off-grid energy star insulating wall and smart roofing housing system.

It also is perhaps a best use answer on how to stabilize the coming chaos in the World’s spot price of “paper silver,” by dedicating the physical ALASKA’S BOWSER CREEK GALENA BUNDLE OF MINERALS that include photovoltaic silver, zinc, lead, copper — all needed for embedding in an alkaline nepheline solar rooftop that safely can harvest acid rain for the storage of clean nepheline filtered drinking water.

Given the time bomb ticking in the “top down” mind-set thinking of leveraged derivatives flash traded stockmarket place, in an out of control futures frenzy of trading paper currency for paper gold and silver — especially as it has been announced the 117-year London Silver Fixing of a “Pound Sterling of the stuff” will cease on 14 August 2014 — which most likely take away manipulated control over the true supply and demand of U.S. Strategic Industrial Minerals to China.

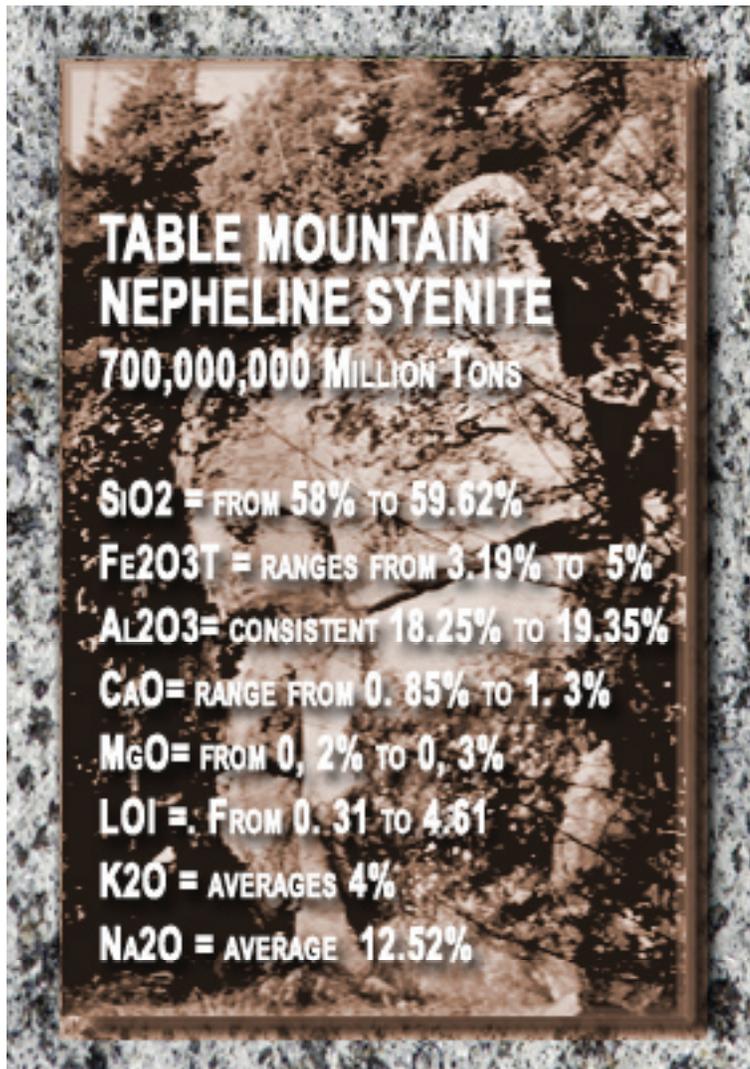
Nepheline Syenite also has been subject to a global “top down” controlled market place with supposedly propriety products based upon secret research, or a Danish patent on a nepheline “briquette” supposedly used to spin mineral wool insulation that has twice the “R” value of pink spun fiberglass.

Oregon’s Table Mountain has long been CFR “clear listed” permitted for production of mineral wool, if one can prove to the U.S. Forest Service that there are “added value customers” willing to commit to a bona fide purchase order. The breakthrough here is that China has been doing some very interesting manufacturing of rigid nepheline mineral wool into rigid and weight supporting roofing batts with a high thermal insulation.

THE REAL BREAKOUT FOR OREGON’S NEPHELINE IS —

The only other commercially viable nepheline syenite deposit in America is the 3M quarry in Arkansas being used for ceramic tiles and tab roofing. Their nepheline is slightly different than Oregon’s.

The roundup of nepheline ore chemicals is known as $(\text{Na}, \text{K})\text{AlSiO}_4$, Sodium Potassium Aluminum Silicate.



Minnesota Mining and Manufacturing engineers keep asking for free Table Mountain samples, but due to “security reasons,” do not respond as promised on the telephone, with a report of their findings. Ditto for researchers out of Ontario, Canada, and Europe working for a much larger nepheline consortium whose feedstocks supply seem to be coming out of an underground operation in Norway.

The reason why the unique Oregon deposit of 500 + million proven tons (U.S. Geological Survey, U.S. Bureau of Mines, and Oregon Department of Geology) of a uniform sill may be valuable happens to be a research university level documented fact that

— *“Nepheline is the only readily soluble natural raw material source of alumina and silica”.*

In other words it can not be patented in a foam AAC concrete formula anymore than sand or lime, or the use of alkaline activator hydrogen peroxide, to produce hydrogen bubbles that add insulation ‘R’ values off the building industry scale.

Until recently China seemed to have to only answer to natural nepheline grinding to a minus -315, that itself was selling (with a very similar chemistry as Table Mountain ore) for AAC concrete use at \$250 per ton.

Obviously the world price for nepheline powder has risen way above the traditional use of a “nepheline slime” to boost the “R” value of dense and “cold” concrete buildings.

It really is a difficult task to set the market price for the “natural mix of nepheline” ore. Breaking down the Table Mountain assays into the basics needed for AAC foamed concrete as :

1> The USD price of precipitated Silicon dioxide (SiO₂) is online searchable at \$600-800 / per metric ton.

As a “soluble nepheline silicon” used at 59 percent of the necessary AAC secret formula volume, makes the Table Mountain deposit being worth is no less than \$354 per -325 metric ton.

Please use this rock hard fact to counter “concrete industry financial experts” discounting the science of AAC concrete building materials relying on (SiO₂)—natural or manufactured—with absolutely no documentable published university level papers in their rebuttal.

2> Market price of the totally scientifically recognized AAC secret of soluble Alumina Oxide of (Al₂O₃), or Alumina out of Australian bauxite that has been ranging from \$322 + per metric ton, for 400,000 tons a month delivered to China.

As the acceptable ***AAC percentage formula of 5% – 8% Alumina by volume, out of an ore that assays a higher 19.35%*** than the Chinese bulk FOB price, calculates out to be worth \$64.40 per metric ton.

A \$64 per ton figure, alone, is well under the projected Oregon Table Mountain project production costs of drilling, blasting, and crushing, delivered to a nearby railhead and barge dock as a product. This happenstance itself may have serious consequences on what global building industry cartels might have to say about stifling competition. In a free market society,

let the multinationals find another U.S. source of a readily soluble natural raw material source of alumina and silica!

Also, the world wide metric market price of all natural -325 nepheline AAC powder, that does not reflect what value, and purpose, the other Table Mountain nepheline chemicals may have in the very new science of 3D concrete printing, as :

4 > Calcium oxide (CaO) US \$210-250 / Ton @ 1% assay value = \$2.10 per ton.

$\text{CaO (s)} + \text{H}_2\text{O (l)} \rightarrow \text{Ca(OH)}_2 \text{ (aq)}$ ($H_r = -63.7 \text{ kJ/mol of CaO}$) as it hydrates, an exothermic reaction results and the solid puffs up. One liter of water combines with approximately 3.1 kilograms (6.8 lb) of quicklime to give calcium hydroxide plus 3.54 MJ of heat energy. This process can be used to provide a convenient portable source of autoclaving curing a pump able foamed cement. According to Wikipedia, “the free encyclopedia,” calcium oxide has for a long time been is a key ingredient for the process of making cement.

5 > Magnesium Oxide (MgO) US \$160-260 / @ .02% = \$3.20

Again, according to Wikipedia, MgO is one of the raw materials for making Portland cement in dry process plants. If too much MgO is added, the cement may become expansive.

7 > Potassium oxide K₂O US \$850-950 / Metric Ton @ 4% = \$34

Here Wikipedia refers to “some materials of commerce, such as fertilizers and cements, are assayed assuming the percent composition that would be equivalent to K₂O.”

8 > Sodium Aluminium Oxide (Na₂O) US \$1417-1584 @ 12% = \$170

Again, going to the Internet the Digital Fire ceramics materials database explains that the generic name of all of the above bundle of chemicals associated with Na₂O happens to be Nepheline Syenite.

Add up all the AAC chemical mix and you come up with a figure of \$595.30 per ton, which sort of explains the outrageous price online out of China selling a “gas extruding aluminum paste and powder for aerated autoclave concrete/AAC that sells for US \$2.6 - 3.5 /Kilogram, with a minimum order of 1 ton.”

Use any online kilogram to pound converter and \$2.6 USD per kilogram works out to be an amazing \$2,600 per metric ton.

Fortunately there is a U.S. rock crusher company that can compete with China’s -325 technology in producing “natural” alumina.

And, at age 75, the owner of the Table Mountain claims—and Alaska photovoltaic solar silver claims—wants to leave this Earth having “paid back” with affordable housing with no monthly power bill. He may already be in some sort of joint venture production with said rock crusher company.

WHY BOTHER TRYING TO FOAM SIMPLE CONCRETE TO FOUR TO FIVE TIMES THE MATERIAL VOLUME WITH A NATURAL NEPHELINE ADDITIVE?

Have you heard anything about foamed AAC concrete shop built walls, or more lately “3D printing concrete houses” on site?

No? Then Google that query! Watch ‘Ma’ explain, at www.youtube.com/watch?v=SObzNdyRTBs, how “printing 10 houses in one day, at \$5,000 each, is done. If that leads to comments of disbelief, remember that Chinese concrete engineers are so advanced that they built a pylon railroad across an Alaska style permafrost plain to Tibet.

Also on youtube search for AAC stories as ***“Autoclaved Aerated Concrete - Discovery Channel Show”***.

If it bothers you just a bit just how far behind America is in “green living” then use these Internet search phrases to find a Spanish *“fully-customized, modular solar house is 3D printed prefab,”* or *“Dutch architects to build world’s first 3D printed house.”*

What makes the Shanghai WinSun Decoration Design Engineering project really interesting to those concerned about the environment is that the Chinese recycled old concrete, into new, by chipping up what would have been landfill, or burned. At the last moment of mixing a standard cement they **added a minus 325 super fine (*soluble*) Alumina powder at a rate of 0.05%–0.08% by volume, and a (*soluble*) 50-65% silica content as an aggregate.**

Comparing the Table Mountain nepheline chemistry of what comes out of the Chinese copy of a German nepheline grinder machine, at \$250 per ton, dock side in China, to ***SiO₂ (silica) at 58 - 59.62%***; and a ***18.25 to 19.35% Al₂O₃ (alumina)*** really makes sense that other chemicals in the nepheline matrix react as a “quick drier” of what is printed.

China also has been importing alumina powder extracted from bauxite in Australia at the cost of \$300 per ton. The Russians used their nepheline syenite alumina powder to build airplanes during WWII ; they also are the most advanced in nepheline research for things a catalytic convertors, and clean air steel fluxing.

The problem in coming up with those figures for an American deposit is that the “magic stuff” used as an expansion agent has almost been considered a “top secret” by foreign corporations and countries. They apparently were not very happy when www.NephelineSyenite.com, and www.Nepheline.com, ran a picture of the Table Mountain, Oregon, material that had been polymer foamed —using Russian technology— into a snap together building block.

There also has been a patent filing in Europe — and only covering Europe— that demands protection of the composition of *autoclaved aerated concrete*, which curiously includes basalt mineral wool as part of the formula? The also is a Danish patent for a nepheline briquet used in the process of molten rock at a temperature of 1600 °C, through which a stream of air or steam is blown. More advanced production techniques are based on spinning the molten rock on high speed spinning wheels somewhat like the process used to prepare cotton candy. The only American made product is pink spun fiberglass that is only half as efficient as nepheline wool thermal insulation.

Some of the simple to understand American open research open to American investors in green technology that “proves” today’s nepheline’s use in AAC foam concrete comes from an — Applied Research Paper: *Autoclaved Aerated Concrete as a Green Building Material*, Stefan Schnitzler, October 2006 , University of California, Davis Extension.

“Autoclaved aerated concrete is a precast product manufactured by combining silica (either in the form of sand, or recycled fly ash), cement, lime, water, and an expansion agent — aluminum powder, and pouring it into a mold.

Once added to the concrete, the aluminum powder reacts with the silica, resulting in the formation of millions of microscopic hydrogen bubbles. The hydrogen bubbles cause the concrete to expand to roughly five times its original volume. The hydrogen subsequently evaporates, leaving a highly closed-cell aerated concrete.

Autoclaved aerated concrete is further considered a sustainable building product because of its excellent insulating qualities resulting in increased energy efficiency. AAC’s thermal efficiency stems from three factors.

First, AAC structures result in solid wall construction with integrated insulation. Entire wall coverage prevents the thermal bridging associated with conventional stud-framed walls, which leaves cold gaps around every stud and header.

Second, the solid wall construction of AAC structures creates an airtight building envelope, minimizing uncontrolled air changes while helping maintain desired indoor temperatures and maximizing the efficiency of HVAC equipment.

Third, AAC structures benefit from the added value of thermal mass and low thermal conductivity of a “effective” or “mass-enhanced” R-value of about 21.8.

AAC is inorganic, noncombustible, and virtually fireproof. It receives a 4 hour UL fire rating and has a melting point of over 2900 degrees Fahrenheit.

AAC buildings can be engineered for earthquake and hurricane prone areas, and

such buildings have performed well to date. For example, the vast majority of AAC homes in the 1995 Kobe, Japan earthquake survived substantially undamaged.

They also were immune from fires started during the earthquake and even acted as firebreaks. The ability of AAC structures to withstand fires and natural disasters minimizes waste, contamination to the surrounding environment, and the need for repair materials, while also lowering insurance costs.”

Since the 2006 release of this non-copyright protected paper many other countries have been publishing nice things to say about nepheline. This includes India, and Switzerland, and England, in English, and whole libraries out of Russia (available through a library in Estonia) and China who are doing a good job protecting the secret of how they 3D printed ten houses (with \$250 per ton nepheline) in one day, at a cost of \$5,000 each. From the youtube videos it is clear that the “magic” is a foam being fed through a nepheline ceramic nozzle.

SUCH THINKING IS ALSO RIGHT IN LINE WITH BUNDLING “SMART” OREGON NEPHELINE SYENITE ORE FOR THE BUILDING OF HOUSES, AND “SMART” SOLAR ROOFS BUILT IN A STATE WITH ALMOST NO MANUFACTURING INDUSTRY, WITH ALASKAN “IN-KIND” GALENA MINERALS—

Recognizing the vast need for low cost housing should not have the consumer product price controlled by a mega corporations, the bottom up business plan evolving here is to network this magic mineral cement additive, and miracle solar feedstocks, across a number of small businesses intent on making an honest living by selling a product that would benefit American individual retirement plan investors the most from energy credits, startup bonuses, and “at risk” Schedule C tax write off, without the “enlightened management” of hedge fund traders.

The real secret here is for individuals to buy a piece of the rock with paper currency, hire someone to mine and process said rock, and sell the manufactured product, under supply and demand rules — at an old-fashioned profit.

Why start out bundling 3D printing of nepheline concrete super ‘R’ value houses, with energy smart roofs in Alaska? It is the perfect proving ground.

The miracle of photovoltaic solar works on the brightness of the sun; not just in the heat of a desert. That and the truth that the perfect place to prove the correctness of living off the grid in a high 'R' value insulated house harmony with nature in a -40 below harsh climate.

In many ways off-the-grid "bush Alaska" is in an Arctic desert. In long summer days solar panels "overflow" with wasted energy. In the short daylight days of winter the Eskimos know from 10,000 years of experience that when a low hanging sun does appear, bouncing off prisms of snow, the light is so intense one needs to wear snow goggles or risk going blind.

The real advantage of CAD/CAM computer driven 3D nepheline concrete printing is that built-in "smart solar roofs" can be designed to take advantage of these extreme angles of the sun (and the wind generation during storms) if one also prints, in place, a permafrost proof deep cycle PH neutral battery case almost impossible to transport by conventional conveyances. What mortgaged homeowner wouldn't find it a relief that their 30-year contract would be made easier by not having to make a huge monthly payment to the power company every month.

The reality of energy survival housing today is that argentiflouris galena ore contains a bundle of elements — just as nepheline ore happens to be a bundle — comprised of:

AG > Photovoltaic Silver. This is the still affordable stuff (for now) that makes up 90% of Solar Panel production, which is in short supply by U.S. corporations to meet U.S. growing needs. It is not well advertised that Apple/Buffet are engaged in an estimated "one billion dollar project" under construction in Washoe County, Nevada —long known for being a silver state.

PB > Lead/Cadmium Plates for Batteries. Yes, Galena is the primary source of the nasty stuff that kills babies in their crib after chewing on lead pipes, or playing with lead toy soldiers. However in an enlightened protective environment, it is the "storage" stuff that makes alternative energy work by being a buffer between AC, and DC —especially in the modern world of workable storable electricity

where the bogus ponsi transmission scheme of a bankrupt Enron proved that a sudden scarcity of energy trips the rolling blackout breakers of small businesses that do not have an automatic generator backup system.

ZN > Zinc for Anticorrosion Solar Frames, and Anode Material for Batteries and Fuel Cells. And this misunderstood essential mineral's properties of "exceptional biologic and public health importance" which suggests it be should be used for the galvanized piping of rain water flowing off a clean solar glass "smart" rain-water harvesting family housing roofs for uncontaminated storage cisterns, safe from rust, plastic PCBs, and tab roofing tars, of drinking and cooking water and nepheline hydroponics garden and green house systems.



WIN CLAIMS	SILVER	LEAD	ZINC	COPPER
Galena	AG/roy oz	PB/lb	ZN/lb	CU/lb
	\$20.00	\$0.95	\$0.85	\$3.25
MEASURED WIN SURFACE ORE				
visible tonnage				
118,163	\$16,733,827	\$3,980,869	\$12,554,700	\$1,052,095
Per In-Place Ton Unit Gross Value	\$141.62	\$33.69	\$106.25	\$8.90

CU > Copper for Low Cost Voltage Transmission. Again if you haven't been following the news about copper becoming the new backwardation leveraged "crowbar" battle being fought between blatant crooks stealing copper wire from vulnerable night lighting systems at Little League community ball fields, and Interstate Highway exits, vs: fellow conspirators in the darkness of deceiving vul-

nerable individual investors that the future market price protection that used to exist between users and manufacturers, now belongs to those speculating on the melt down penny-ante value of today for recycled copper coins.

The demand for silver in the photovoltaic industry has been driven by a dramatic global annual increase in solar module production, and Industrial Silver. Also, there is a unmatched importance critical need of 8.0 Moz per year for ethylene oxide production, a vital building block chemical, and the growing use in hospitals for silver “bacteria eating” bandages, also in need of a dedicated supply to build a business.

This is precisely why the owner of the Alaska Silver, and Oregon nepheline syenite, has “bundled” tonnage of ore. The marketing plan is to follow an Edward Demming Total Quality Movement manufacturing line to the conclusion of actually selling a product, instead of speculative futures market paper.

HOW A HFT- IPO -DIRIVITE- ETF STOCK MARKET FUNDING MONOPOLY HAS TAKEN AMERICA BACKWARD, AND EXACTLY HOW SMALL OREGON AND ALASKA MINERALS INVESTORS CAN TAKE IT FORWARD ONCE AGAIN.

The time has come for want-to-be homeowners to take financial control over their life from the top down 1% elite by becoming part of a lateral 4M “association” consisting of:

1) The Mineral

Which in Oregon is 500+ million tons of a uniform in content nepheline syenite sill. However how does one set a realistic spreadsheet “buyout” price per ton when a processed minus -325 processed ton sells for \$250 USD dock side in China?

What hedge fund platform trading speculators usually overlook is that there are 32 twenty acres claims on Table Mountain that hold the mineral title, through the U.S. Mining Law of 1872. This property is not “fee simple absolute in possession,” and really are a risk—even after permitting—for ignoring the “added

value, over common variety” U.S. Forest Service Code of Federal Regulations.

In other words, as has been proven all over the West, it is not wise for retirement investors putting any money into a “poker chip claims” that can be flipped into a hypothecated derivative, and lost that fast through blatant stupidity.

This is why the claim holder, at age 75, has come up with a plan to transfer the nepheline claims into a holding company, or trust, to protect the in place ore dedicated to the unique natural nepheline AAC foaming concrete additive, and/or, nepheline mineral wool being used by small regional ECO housing builders, as:

A) To start, in place ore in 100,000 ton units is offered to “believable” end users at \$10 per ton, with a 10% in-kind royalty of the shippable material delivered to the holding company reserve for a check and balance against any retail price gouging detrimental to the association of builders.

B) To further make it possible to “boot strap” the actual building of “smart homes” the claim holder is personally offering a \$1 per ton up front, in addition option, to hold the \$10/10% price.

C) The fine print is that this option is not transferable to any one, or any organization, that does not understand that U.S. Forest Service surface management, and the claim holders rules, trumps a CEO “lets make money by going bankrupt” bad attitude.

D) The other disclosure to make is that there is a negotiation in progress for buying out half of the claims for the export market at a discounted “bulk rate” price. Know that this would not make much difference at this stage of development, as they too would be subject to a 10% retail market stabilizing stockpile.

E) The Alaska silver claims most likely will be joining the “bundle holding trust” as collateral once a few production details have been worked out concerning the in-kind trading of AAC nepheline, and solar silver cells.

2) The Mining

It is somehow against security law for small independent productions to offer “in-place” ore with an association to actually do the mining?

Yes, it really doesn't make much sense when mega-mining monopolies can get away with “leasing” documented underground silver reserves all over the world.

The answer here, as Table Mountain has three permitted quarries, and a potential underground mining portal —just as it is done by a competitor in Norway. Doesn't this make the free choice opportunity to four?

The real question to ask is which mining and crushing contractor —that also may be producing for their own stockpile— has the equipment and U.S. Forest Service approval of a vitally needed Operating Plan, backed with a reclamation bond? And what would be their FOB cost plus 10% price to ship via rail, or barge, from Toledo, Oregon, or by truck from Waldport?

3) The Manufacturing

This really is where investors are needed in some sort of “from the ground up” building association, that wishes to have a regional exclusive on shop-built AAC nepheline insulated foamed concrete walls, or on-site 3D concrete printing of whole off-grid ECO housing.

That some sort of association could be a Sarbanes–Oxley Act corporation that gets around the unfair Initial Public Offering rules requiring 500

shareholders of record being restricted to those inside traders who qualify for not being a widow or orphan with less than a certain net worth to risk. In California, that really needs forest and brush fire proof housing, with a rain harvesting roof and storage system— this threshold to earning a retirement is \$1 Million!

Perhaps a better plan is to form a simple investor managed LLC, or a Master Limited Partnership more in step with qualifying for tax write off and energy credits at the end of the whole lateral production line when turning everything over for a sale to...

4) The Marketing

And this time along any retail 10 percent(?) fee or position is no longer any concern of the holding company stockpile. Other than delivering the magic stuff that would make a whole ECO village development possible.

*The message to our American mining industry?
Sell product instead of promises.*