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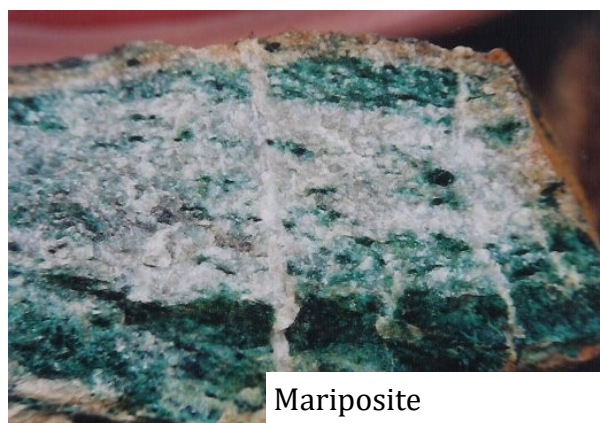
Official Publication of the Skagit Rock and Gem Club
Serving Skagit County WA Since 1961

Skagit Gems

Mystery Solved!?

Is this our 'Jordan Creek Rock'?

Mariposite is a mineral which is a chromium-rich variety of mica, which imparts an attractive green color to the generally white dolomitic marble in which it is commonly found. It was named for Mariposa, California, though it can be found in several places in the Sierra Nevada mountains. It is also found in Marblemount, Washington in the North Cascades. It is also found in a few locations in Newfoundland, Canada, where it is called virginite, and in Europe.



Mariposite

It is not an officially classified mineral, but is a chromium-rich phengite, which is a high silica variety of muscovite. It is the chromium that gives it its distinctive green color.

The term "mariposite" also refers to the stone in which the green mica is found. This stone is metamorphic rock, containing varying amounts of dolomite and quartz. Larger proportions of quartz give it a more attractive, translucent appearance. It is used as a decorative construction material, in walls, monuments, and bridges. It is also made into jewelry. Wikipedia.org



Jordan Creek Rock

Happy St. Patrick's Day!



Green Stone ID Chart

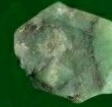
Malachite



Wavelite



Emerald



Serpentine



Verdite



Green
Aventurine



Infinite
Stone



Chrysoprase



Bloodstone



Ruby in
Fuchsite



Fuchsite



Ruby in
Zoisite



Diopside



Diopase



Prehnite



Variscite



Gaia
Stone



Green
Opal



Moldavite



PSYCHICMEDIUMREBECCA.WIX.COM/ANGELSGIVEUSWINGS

Massive Deposit of Battery-Grade Nickel on Deep-Sea Floor

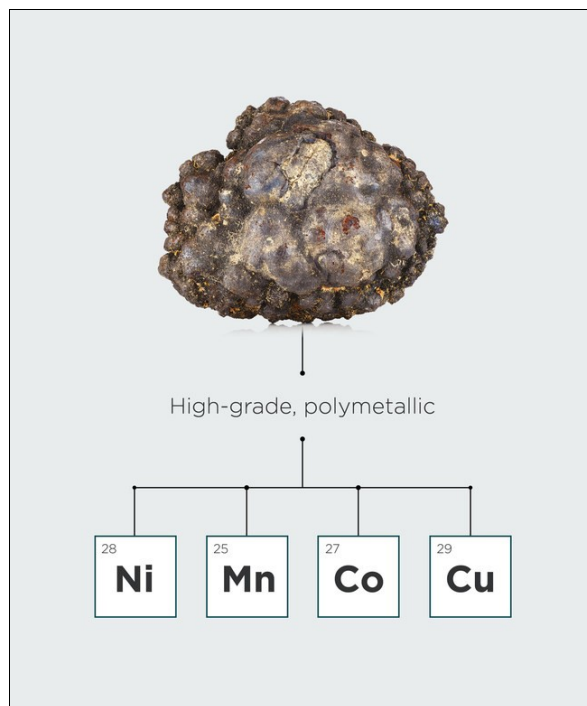
DeepGreen Metals, Inc. is a polymetallic nodules exploration and development company on a dual-mission: (1) supply metals for the clean energy transition with the least possible negative environmental and social impact and (2) accelerate the transition to a circular metal economy. DeepGreen has developed a process for producing metals from polymetallic nodules with near-zero solid waste, eliminating the need for tailings dams on land.

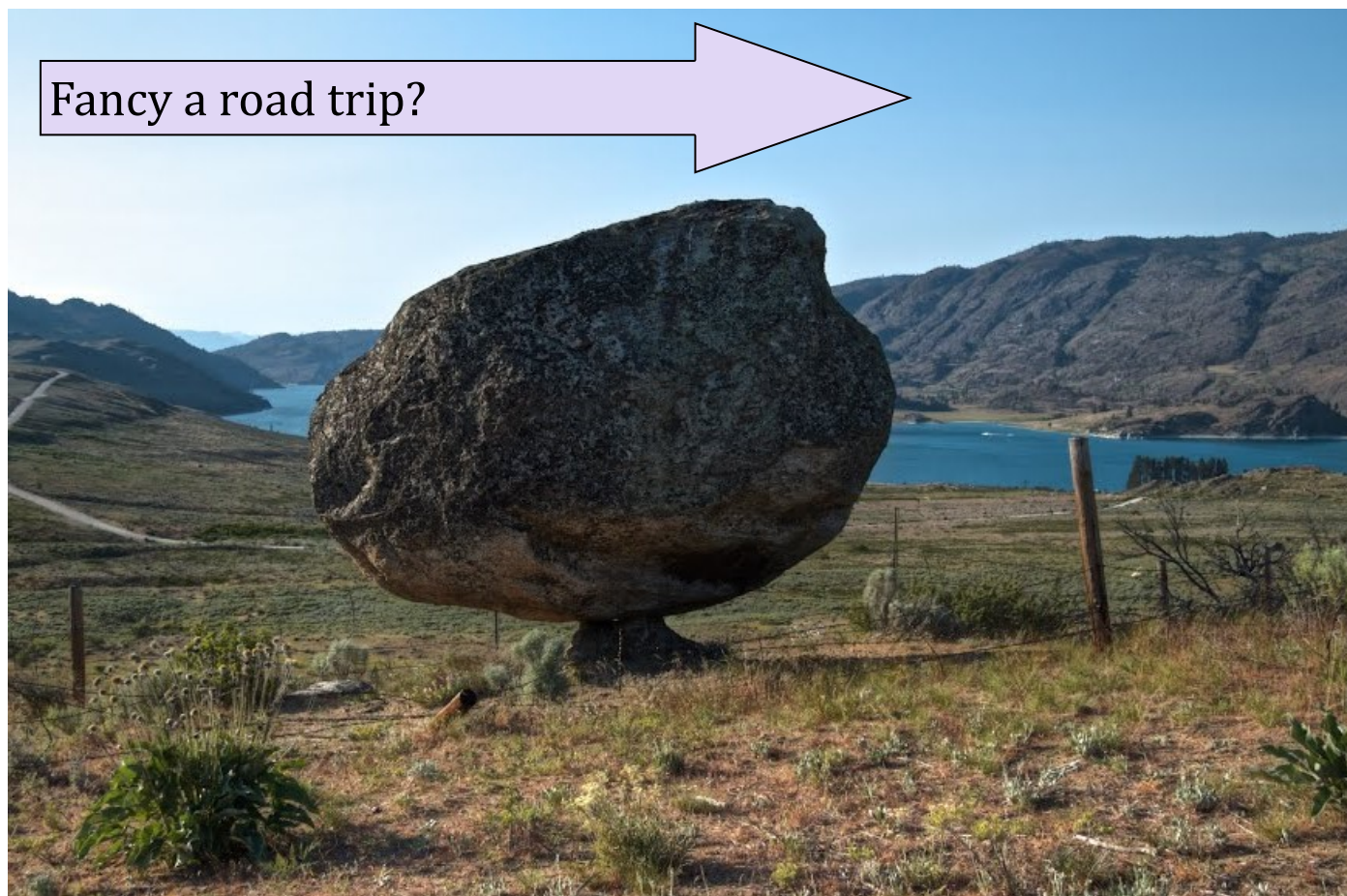
- The world's largest untapped deposit of battery metals — nickel, cobalt, copper and manganese — is contained in polymetallic nodules that sit unattached on the Pacific seafloor in the Clarion Clipperton Zone (CCZ), between Hawaii and Mexico
- Using a proven deep-sea resource sampling methodology, a DeepGreen Metals subsidiary has found higher concentrations than previously known of important base metals in its exploration contract area in the Pacific
- As more nations mandate a phase-out of gasoline-powered cars in favor of electric vehicles, a dramatic demand increase for high-grade nickel is expected

As countries invest in large-scale clean energy transition programs and begin to phase out internal combustion engines, securing the minerals required to build batteries for storing renewable energy and powering electric vehicles is vital. According to some academic forecasts, nickel demand for batteries is projected to jump thirty-fold in the coming three decades.

Nodules contain high grades of four battery metals in a single ore. This means several times less ore needs to be processed compared to land ores to get at the same amount of metal, resulting in much smaller ESG footprints and lower-cost production. And because deep-sea nodules do not contain toxic levels of heavy elements like mercury or arsenic, all of the nodule mass can be converted into products with economic value to society. Sourcing battery metals from nodules has the potential to generate zero solid waste and eliminate toxic tailings--a big problem for the conventional mining industry that generated over 189 gigatonnes of waste in 2020. The mining industry is the single largest waste stream on the planet producing ninety-five times more waste than all the world's cities combined.

For more info: deep.green





Precarious boulders are peculiar naturally occurring geological formations that showcase large rocks resting on another rock. This particular balanced rock rests upon a small slope overlooking Omak Lake on the Colville Indian Reservation in Washington. The 1.3 million acre reserve is also home to several other balancing phenomena. The surrounding area is largely cheat grass and sagebrush with a few rolling hills.

The balancing rock at the south end of Omak Lake. The rock is made of homogenous granite, with a porphyritic texture. The massive boulder weighs in at approximately forty tons and balances on a much smaller foundation that is only fractional in comparison to its counterpart. The understructure is also made of granite from the Cretaceous Boot Mountain plutonic complex, but is finer grained, less porphyritic, and overall more mafic. The weight of the rock is distributed relatively even. The rocks are not fixed together in any fashion and there appears to be small windows of erosion between the differing forms.

The massive stone is thought to be an erratic carried in by glacial action from up north. The large chunk of granite is consistent with a proximate Canadian quarry.

Kirsten Brudevold, "Balancing Rock near Omak Lake," Ice Age Floods Explorer

<https://floodexplorer.org/items/show/55>



**VISITORS ARE ALWAYS
WELCOME!**

**Meetings on hold
until further notice**

Meetings are on the FIRST Saturday of the month (except for Jan, July and Dec) at 10:00 am at the Mount Vernon Community (Senior) Center
1401 Cleveland St. Mount Vernon WA 98273

- The purpose of this non-profit earth society shall be to stimulate interest in the study of geology, lapidary, and the collection of geological specimens
- We are a member of the Northwest Federation of Mineralogical Societies and the Washington State Mineral Council. We are affiliated with the American Federation of Mineralogical Societies.
- Dues are \$15.00 per year for adults and \$7.50 for those under age 16
- Visit our website: skagitrockandgem.com

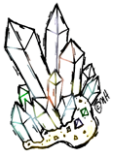
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Greeter-Linda Keltz
Scholarship-Noni Avery & Linda Keltz
Publicity-Frank Isca
Stamps-Virgil Keltz
Sunshine- Noni Avery
Swap-Vandenburs

**SOME ARE LOOKING
for dreams.
SOME ARE
looking
FOR COOL ROCKS.**



Skagit Rock and Gem Club
Debbie Frank, Editor
20379 Aliston Ln.
Burlington WA 98233

Huge Rock Sale

March 6 & 7 from 9-4. 9926 Elliott Rd Snohomish
Watch for Rock Sale Signs.

Announcing: A jeweler from a well-known art gallery in Mexico is bringing her entire inventory to be sold at 25% off with another 40% to go to our mission in Mexico. Amazing deals on these one-of-a-kind items ranging from high end to just for fun.

Partial list of what is for sale:

24" and 18" Highland Park saws in great condition.
Lost Wax centrifuge and all the stuff that goes with it including over 100 patterns.
2 kilns and boxes of misc. jeweler's tools
Richardson Ranch high speed sander.
Sphere machine with accessories.
+100 boxes of slabs plus over 200 individually priced

stunning slabs.

75 crates of rock, lots of good stuff for napping and slicing.

+150 1-2-man rocks.

100's of pounds of tumbling grit and 6 tumbling barrels.

Eden Valley limb sections.

Priday plume agate slices.

Large limbs of WA. petrified wood.

Jewelry findings and display items.

Specialty bags of holly blue, garnet, fire agate, moon stone, rhodonite, amethyst, tiger's eye, sunstone, fossils, and crystals, fluorite, kyanite, apache tears etc.
Opal section including cut stones and 35 bottles of Mexican and Australian rough, cut gems and jewelry.

Bring your mask and be prepared to distance at this outdoor sale. Cash only please.