



VOLUME 50	October 2024	NUMBER 10
-----------	--------------	-----------



NEXT
MEETING:

Tuesday, October 15, 2024

TIME:
LOCATION:

7:00 p.m.
Helen Hall Library
100 W Walker St.
League City, TX 77573

INSIDE THIS ISSUE		
October Meeting and Nov Picnic	1	<u>October Monthly Meeting</u> The October meeting speaker will be CLGMS member Jeff Mills discussing “Insuring Personal Jewelry”. A Zoom meeting is available for those who cannot attend in person. Contact mflan@mflan.com for info. CLGMS will have an outdoor lunch picnic at Walter Hall Park, in League City on 11/9/2024. Time: 10am – 2pm. The club will supply all food and drinks. We are looking for volunteers to man the CLGMS table at the HGMS show. The Show dates are November 8,9, 10. Please let us know if you can fill a shift and distribute literature about CLGMS. The HGMS show is here: <u>Map of HGMS Show</u>
Board/General Meeting Minutes	2	
Bonanza Lake Marble	2 - 4	
Turquoise	6 - 9	
Gem and Mineral Shows	11	
Club Officers	12	

Minutes of the September CLGMS General Meeting

We had a pretty good turn out for the 9/17/2024 meeting.

- The Club's 50th Anniversary Lapel Pins have been ordered.
- Still deciding on the feather style banners for the show (colors and letterings).
- Saturday, November 9th - The Club will have an outdoor lunch picnic at Walter Hall Park, in League City. Time: 10am - 2pm.
- Tuesday, December 10th - The Club will be having the Annual Christmas Dinner. The dinner will be at Kelley's Country Cooking in League City at 6 pm.
- Doug Walser, the owner of Angel's Rocks and Fossils - gave a good presentation on how to start a business.

David Tjiok

Minutes of the October CLGMS Board Meeting

There was no October board meeting.

Article copied from the webpage:

<https://www.sciencemag.org/news/2020/08/unusual-meteorite-more-valuable-gold-may-hold-building-blocks-life>

Bonanza Lake, BC

By Gordon Burkholder

Taken from the 2/2017 Ripple Rock Gem and Mineral Club Bugle:

On Vancouver Island there are many locations where marble can be found but the seam around the Bonanza Lake is quite large and very interesting. There are signs of how the marble was 'mined' at the main site and I marvel at how such large pieces of rock would have been hauled out of the backcountry to transport to the mill site for working. Indeed,

moving 25 tonne pieces of rock onto a flatbed would have been an engineering feat in itself.



A view of some of the marble at Bonanza Lake
Photo by Steve Cooley

Minfile # 092L339 describes the site thusly:

“The Leo D'or marble prospect is located approximately 30 kilometres southwest of Port McNeill on northern Vancouver Island. The property is situated at the northeast end of Bonanza Lake on a tree covered slope which rises from the lake shore to the east at an average slope of 30 degrees.

A band of limestone of the Upper Triassic Quatsino Formation, Vancouver Group, up to 2.5 kilometres wide, trends northward along the east side of Bonanza River and Bonanza Lake for 6.25 kilometres. To the west, the limestone is in fault contact with basaltic flows of the Upper Triassic Karmutsen Formation, Vancouver Group. An elongate stock of coarse-grained, biotite quartz monzonite of the Early to Middle Jurassic Island Plutonic Suite intrudes the limestone from the southeast. On the Leo D'or property, the limestone has been recrystallized to marble by these intrusions. Discontinuous dykes of basalt, averaging 60 centimetres in width, are also observed throughout the area.”

The file goes on to state: “The marble varies in colour from very light grey to dark grey or almost black, to mottled grey and white. In some areas, distinct black to light grey

bands of marble, varying from several centimetres to several metres, occur. The grain size of the marble varies from fine to coarse grained; the majority (approximately 75 per cent) is medium grained. Light brown to light orange surface staining is caused by the oxidation of iron impurities in the marble.”

Our explorations of the area have revealed some interesting caves and water worn formations that are accessible to most people by climbing up a short steep path. The sight at the end of this climb is worth the physical exertion.



Rock formations created by flowing water through the limestone
Photos by Steve Cooley

Other finds in this area include some very colourful Gordonite that we stumbled upon while the construction of the Kokish Dam was underway.



Gordonite vein

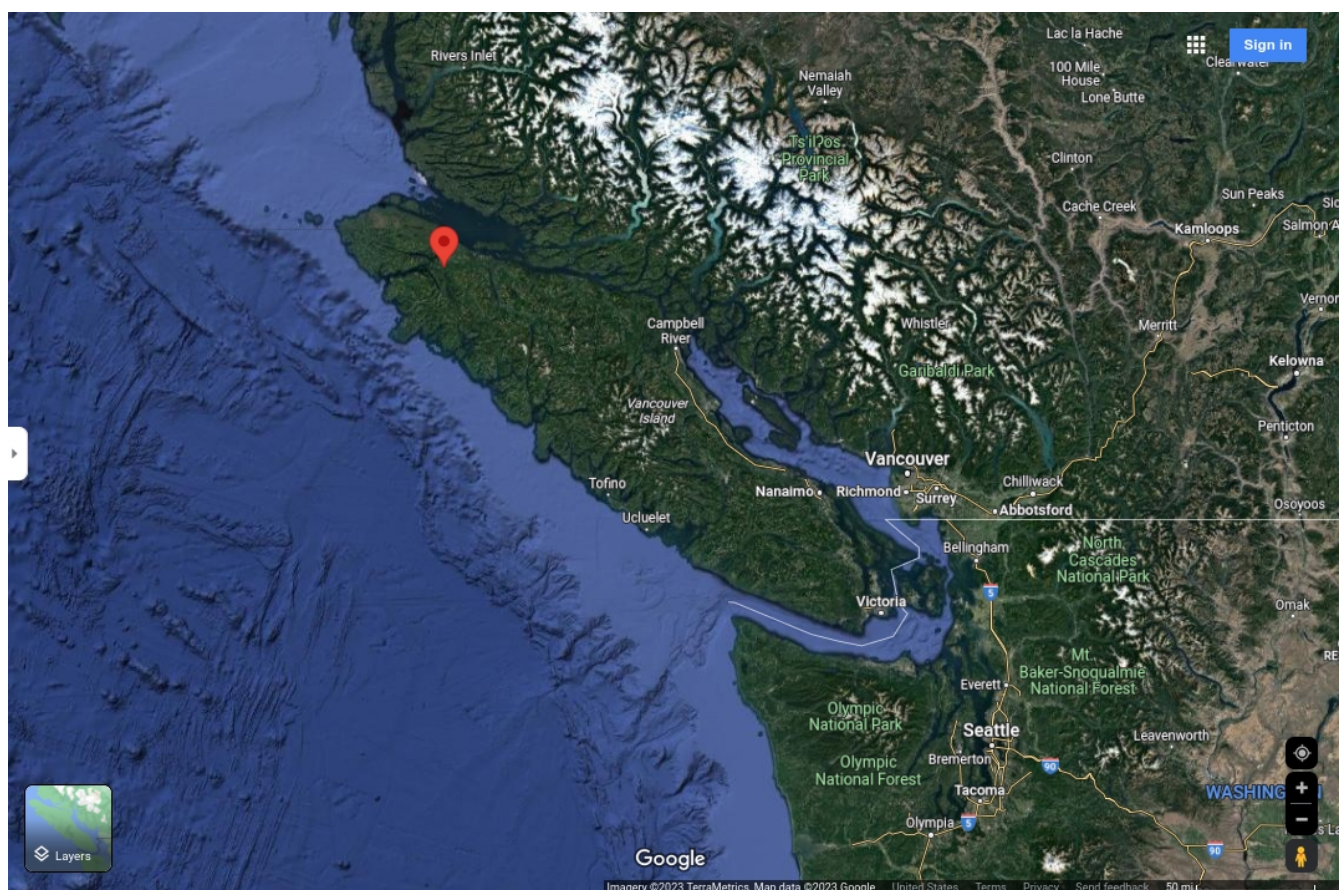


Gordonite

Photos by Dennis Cambrey

Coordinates are: 50.527729, -127.432094 (DD)

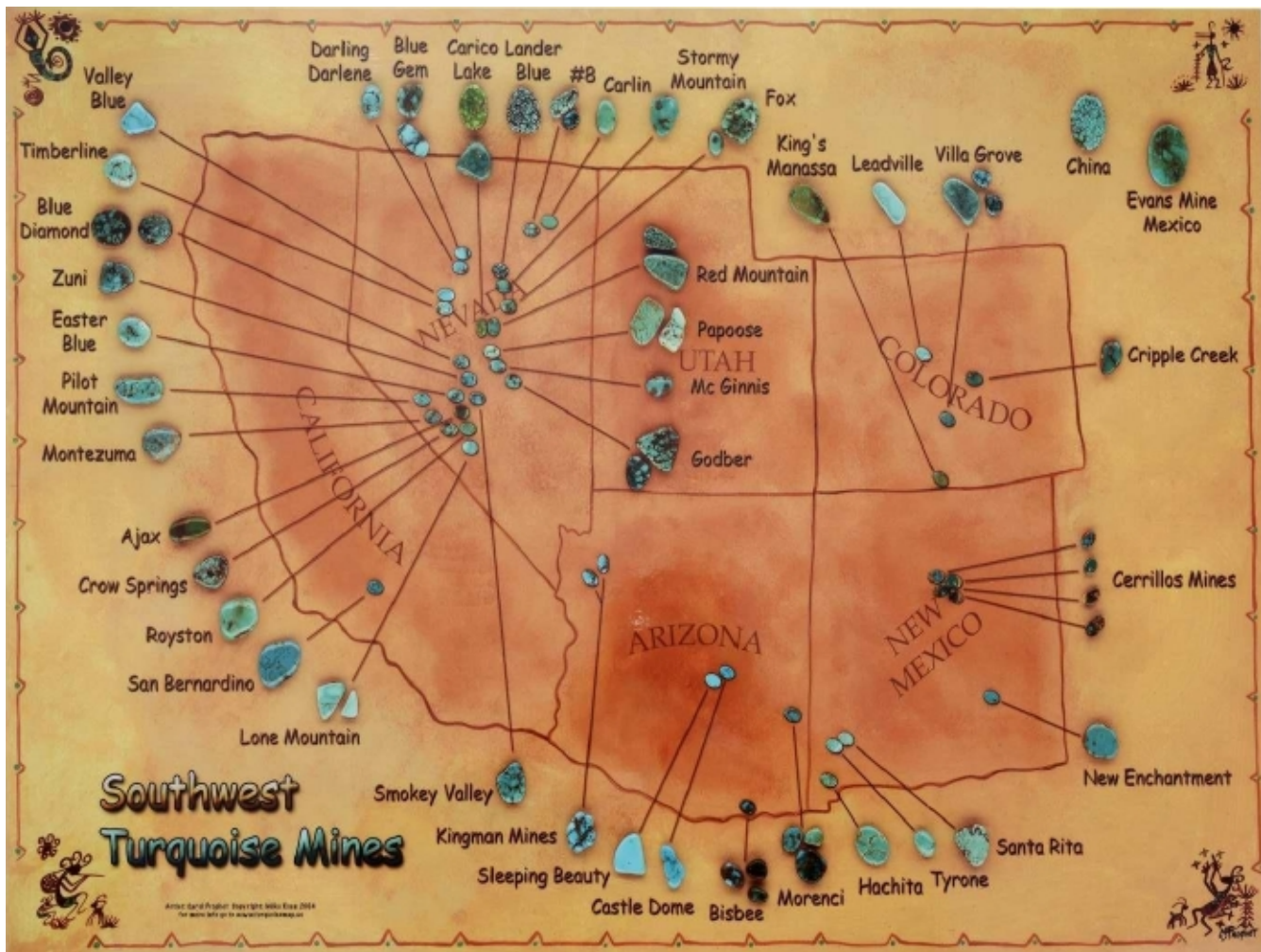
<http://maps.google.com/maps?q=50.52773,+/-127.43209+/%28Coordinates%29&iwloc=A&hl=en>



Turquoise

Taken from the 4/2017 Ripple Rock Gem and Mineral Club Bugle:

Being as I am in a great turquoise region I thought I'd revisit this wonderful stone. Mining for turquoise is an arduous task and the price of the stone bears that out as does its rarity. I have not seen much good colored solid turquoise around but the softer powder blue stones are seemingly everywhere in the area.



As you can see from this map of turquoise mine site locations turquoise is available in all of the southwestern states of the US of A. The individual types of turquoise differ from mine to mine and from state to state.

Dry Creek Turquoise

It is most famously called the Godber/Burnham Turquoise mine. When Sacred Buffalo turquoise was first discovered in the Dry Creek Mine on the Shoshone Indian Reservation near Battle Mountain, Nevada in 1993, the miners, Bruce and Jeri Woods, weren't actually sure what it was.

Boulder Turquoise

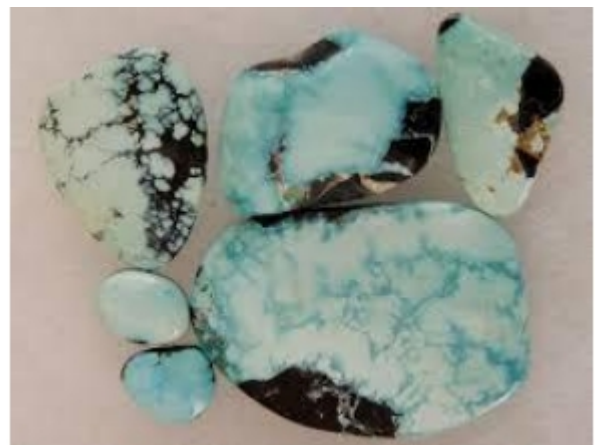
Boulder Turquoise or Ribbon Turquoise is simply when a stone cutter takes natural Vein Turquoise (Turquoise in its natural host rock) and cuts in the direction to create the vein going through the rock like a ribbon or splotches of turquoise in the host rock like a Boulder Opal.

**White Buffalo Turquoise**

The dyed howlite (or magnesite) is marketed as turquenite. Howlite is also sold in its natural state, sometimes under the misleading trade names of "white turquoise" or "white buffalo turquoise," or the derived name "white buffalo stone."

Morenci Turquoise

Morenci turquoise was mined in Greenlee County in southeastern Arizona. Morenci is highly prized for its beautiful blue colors, which vary from a light to a very dark blue. Also for its unusual matrix of iron pyrite or "fool's gold" that when polished often resembles silver.





Sleeping Beauty Turquoise

Sleeping beauty turquoise can be found in the southwestern part of the United States in Arizona. The highly sought after stone has made a tremendous impact on the history of turquoise over the years. The stone got its name because the mountain where it is mined resembles a sleeping woman lying on her back with arms crossed.

Sleeping Beauty Turquoise is revered and highly sought after due to its pure sky blue color which shows very little to no veining or webbing. It is still being collected from the Sleeping Beauty Mine in Globe, Arizona where a small operation of workers mines, processes and ships the stones.

The famous Sleeping Beauty Turquoise was actually discovered by accident. The mine was opened to pull copper and gold and it wasn't until relatively recently that the first turquoise stones were discovered. Even in rough form, the stones are vibrant and bright, even bluer than the bright Southwestern sky overhead.

It is one of the most prized forms of turquoise for jewelry and adornment and is often stable enough to be polished and used for turquoise jewelry without any treatment or stabilization. Its pure color and natural strength make Sleeping Beauty Turquoise characteristics a favorite for jewelry makers and artists around the world.

Today, retailers, wholesalers and the public visit the mine to get their hands on the beautiful stone, and if turquoise history is any indication, Sleeping Beauty Turquoise won't be around forever. The current turquoise mining in Arizona produces enough stones to meet commercial demand.

Many of the most famous Southwestern turquoise mines have depleted their supply and ceased operation. The history of turquoise is ever changing as mines open, close and new types of turquoise are discovered. To this day, however, there has never been a stone that replicates the stunning beauty of Sleeping Beauty Turquoise. It is truly a gem of the Southwestern United States.

Stabilized Turquoise

Stabilize - To treat Turquoise with plastic or other substance to heighten its color and durability and increase its potential to take a polish. Stabilized Turquoise is natural turquoise to begin with, but it has been artificially enhanced.

The best stabilized stones are difficult to tell from high grade turquoise, but they are not nearly as valuable and should not be sold as natural turquoise.



ROCK, MINERAL, GEM, AND FOSSIL SHOWS

St Petersburg Gem Show; 8/30/2024 - 9/01/2024 10:00 AM - 5:00 PM The Coliseum Ballroom 535 4th Ave N; St Petersburg, FL 33701 https://hrgemshows.com	Colorado Mineral and Fossil Fall Show 9/06/2024 - 9/14/2024 10:00 AM - 6:00 PM Crowne Plaza DIA 15500 E 40th Ave Denver, CO 80239 http://www.coloradomineralandfossilshows.com/	Lubbock, TX Show and sale; Lubbock Gem and Mineral Society; Lubbock Memorial Civic Center, 1501 Mac Davis Lane; Sat. 9/28/2024 10-6, Sun. 9/29/2024 11-4; \$5 Age 12 and up, \$3 age 6 - 12, 5 and under free; Lots of dealers, door prizes, grand prizes, big kids area, florescent tent, displays, etc.; Email: walt@lubbockgemandmineral.org; Website: www.lubbockgemandmineral.org	Albuquerque, NM Annual show; 10/ 4-6 /2024 Expo NM State Fairgrounds, 300 San Pedro NE; Fri. 9-5, Sat. 9-5, Sun. 9-5; 70 dealers, mineral specimens, rough, slabs, jewelry, cabochons, beads Email:jaypenn246@gmail.com Website: abqfallshow.wix.com/abq-fall-show
Dallas Gem and Mineral Show; 11/ 23-24 /2024 10:00 AM - 6:00 PM Mesquite Conv Center; 1700 Rodeo Dr, Mesa, TX; Adult - \$8; Kids up to 12 - \$4; Family of 4 - \$20. https://www.dallasgemandmineral.org/	Houston Gem, Mineral, Jewelry & Fossil Show December 10-12, 2024 Humble Civic Center http://www.hgms.org	Austin, TX Annual show; Austin Gem and Mineral Society (AGMS); Palmer Events Center, 900 Barton Springs Rd; 10/18 – 10/20/2024; Fri. 9-6, Sat. 9-6, Sun. 10-5; Adults \$8, Seniors and Military ID \$7, Ages 13-18 \$2, Children ages 12 and under free; Over 30 vendors of jewelry, beads, gemstones, minerals, crystals, fossils & spheres. Email: showchariman@austingemandmineral.org; Website: www.agms-tx.org	51st Annual Gem & Mineral Show. – Hosted by the Gem and Mineral Society of Louisiana. December 21- 23, 2024 Alario Center 2000 Segnette Blvd. Westwego, LA 70094. www.gmsola.org

		Member of	
Next Annual Show February 22-23, 2025 Pasadena Convention Center			
CLGMS is on the Web: http://www.clgms.org FACEBOOK: CLEAR LAKE GEM AND MINERAL SOCIETY.		American Federation of Mineral Societies	 South Central Federation of Mineral Societies
Clear Lake Gem and Mineral Society, Inc			
MEMBER: American Federation of Mineralogical Societies and South Central Federation of Mineral Societies PURPOSE: To promote education and popular interest in the various earth sciences; in particular in those hobbies dealing with the art of lapidaries and the earth sciences of minerals, fossils and their associated fields.			
2024 OFFICERS:	President Vice President Secretary Treasurer Program Director Board of Directors: Newsletter Editor	Cynthia McGowan David Tjiok Christina Rankin Monica Duran Christina Rankin Sandra Christiansen Jeff Mills Donna Nelson David Tjiok	281-546-2662 832-423-4802 281-723-5408 281-723-5408 Jim Hawkins John Caldyne
Annual Show 2024 Sandra Christiansen Constitution & Bylaws.....Jim Hawkins Community Benefits.....Cristina Rankin Historian.....David Tjiok Publicity..... Annabel Brownfield Facebook.....Cynthia McGowan Membership.....Mike Flannigan WWW System Admin..Mike Flannigan Refreshments.....Lori Westerman Education/Field Trips.....Annabel Brownfield Field Trip CoordinatorCasey Renner			
Membership Dues Jan. to Dec. 2024: Adult \$15:00, Family Dues \$20.00 (4+) at same address. Send Dues to CLGMS, PO BOX 891533, Houston, TX, 77289			