

DUSTY ROCKS

AUGUST
2010



ROCK AND ARROWHEAD CLUB

P.O. BOX 1803

KLAMATH FALLS, OR 97601

www.klamathrockclub.org

~ DUSTY ROCKS ~

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AUGUST 2010 ~ Rock and Arrowhead Club ~ Klamath Falls Oregon

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Meetings are held at the Klamath County Museum Meeting Room – Main & Spring Streets, using the *West* entrance. **Meetings are held on the 2nd Monday of each month at 7:00 pm** with the exception of December when we have our Christmas Luncheon and Party.

Visitors are cordially invited:

Dues are \$10.00 per year per adult (\$18 for couples), \$7.50 ages 16-18 and free for juniors ages 15 and under whose parents pay dues.

General Objectives of the Club:

To promote popular interest, knowledge and understanding in the various earth sciences, as in Geology, Mineralogy, Paleontology and Lapidary and other related subjects. To sponsor and provide means of coordinating the work and efforts of all persons interested therein.

Helping Others:

The club participates in the NFMS stamp program, saving large commemoratives, airmail, pre-cancelled, foreign and "ordinary" stamps of all values. Proceeds from stamp sales will be used to benefit any charity deemed worthy by the NFMS Endowment Fund.

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Committee Chairs

- ↔
- Sunshine.....Chris Chance
- Program.....Jeff Eastburn
- Greeter/Door Prize.....Holly Zumburn
- Refreshment.....Amanda Newnham
- Historian.....Heidi Eli
- Librarian.....Alyssa Carnes
- CharityJohn Long
- Claims Rep.....Garwin Carlson
- Field Trips.....Marshall Curran
- Black Light DisplayChuck Newnham
- Show Chair.....Jennifer Zimmerlee
- Asst Show ChairMarvin Stump
- Safety Officer.....Jeff Eastburn
- Publisher/ Webmaster.....Charlie Wyckoff

THE NORTHWEST NEWSLETTER is published 11 times a year. Copies are sent to each member's household. The cost is included in your annual dues.

Two free copies of the **AFMS NEWSLETTER** are mailed to each member club. Subscriptions are available at \$3.50 for 9 issues. Send payment to:
American Federation of Mineralogical Societies
PO Box 26523 Oklahoma City, Ok. 73126.

We are affiliated with

- Northwest Federation of Mineralogical Societies
- American Federation of Mineralogical Societies
- Oregon Council of Rock & Mineral Clubs

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Visit Us At www.klamathrockclub.org

Please e-mail Charlie@klamathrockclub.org to get on our email list.

July 12th, 2010 Meeting Minutes, reported by Laura Limb, Interim Secretary

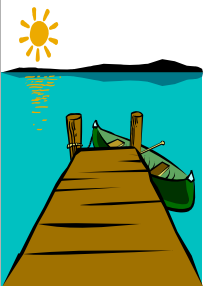
August 2010

Inside this issue:

Inside Cover ~	1
July Minutes	2
Birthdays	3
The Rock Pile	4
Field Trips	5
Safety Tips	6
The Show	7
Misc	8
Maps	9

NEXT MEETING:

- August 9th 7:00 pm
- Refreshments:
- Cindy Howland &
- Chuck Newnham
- * Program:



Meeting called to order: President Jeff Eastburn at 1910. **Pledge of Alliance:** all in attendance **Correspondence:** Lapidary and Gem magazines by Charlie Wyckoff available. 90th Birthday card for Randall Pope was passed around for all to sign by Garwin Carlson. Randall joined the rock club in the late 50's or early 60's. **Door Prize:** won by Greg Hobbs. **Minutes:** approved as written and submitted by Linda Watson. **Treasurer's report:** Not reported, as Sheila is absent. **Sunshine Report:** Chris to do a follow up on Alyssa after her return from the Grand Canyon and Oklahoma. **Librarian's report:** Linda Watson donated gold panning/mining books. Other books include lapidary skills. **Historian's report:** Jeff reported on the old photo albums are almost digitized on 3 CD's. **NWF report:** Kathi was absent, Jennifer reminded group of the September meeting and retreat. **August Meeting:** Group decided to have the August meeting. In the past, the August meeting has been cancelled.

Old Business: Marshall Curran reported on the progress of acquiring the storage trailer from Rod. Rod is in the process of applying for title. Tongue weight is ¾ ton with a ball that is 2 5/16". Trip permit may be needed to move the trailer once purchase is made. One suggestion was to look into the potential that the trip permit would come with the title. Question on insurance of the contents and finding out what the cases (and everything in Marvin's garage that he is storing) would be valued. Jeff Eastburn to look into finding some references for valuing the contents. Marshall will check into the trip permit needs. The Zumlee's have offered to store trailer at their house. Suggestion that the "dinner table" display not be added to the trailer. All present in agreement. At this time, there has been no release of funds to purchase the trailer. Correction to newsletter: Lassen Creek is July 16, 17 and 18, 2010. There was a conflict between the newsletter and the map.

New Business: Jennifer Zimmerlee donated a tape recorder to the club. Will need to verify that it works. Laura Limb will take this responsibility. **Charity:** Chairman John Long is in need of the group to select additional charities to receive the \$25.00 donation. In the past, the charities that have been awarded the donation are Klamath & Lake County Food Bank, Kleos, Campfire and the annual show to Integral Youth Services. John passed around the suggested lists of charities and asked each member to vote for 2. This voting will help in completing the 2010 charity donation list for the club. **March 2011 Rock and gem Show:** Garwin reminded the group that we are at the half waypoint to prepare for the show. Historically, the wheel of fortune has been 25 cents for the kids to spin. Last show, 1200 to 1500 small sacks of tumbled rocks was handed out as prizes. We are in need of beginning the tumbling process at this time in order to tumble 300 lbs for the wheel of fortune. Garwin has 150 lbs of rough to tumble. Anyone who is able to tumble should contact Garwin for the rough. Marvin Stump brought to the attention of the group that JoAnn Petric in Lakeview has a rock shop and has in the past offered to tumble rocks for the show. Group discussion on the topic led to a need to find out how many pounds, grits and cost that JoAnn would be willing to do. JoAnn is a dealer at the show and maybe a negotiate on her dealer fee of \$288.00 could be worked out. Garwin and Marvin to check into the above and report at the next meeting. Kermit moved to go forward with having JoAnn's option researched, seconded by Jennifer Zimmerlee. All in favor passed. Jennifer Zimmerlee reminded the group that we are in need of making the "rock critters" for the silent auction table. If each member will make 5-10 critters a piece, that should be ample. There are no criteria for what they should look like. Marvin Stump will also bring walnut shells for people to use in their creations at the August meeting. Jennifer suggested the group look at past pictures for creative thoughts. Last year the group took examples for the Integral Youth Services kids to look at. Suggestion was to ask if they would like to do this again this year. **Rock donation for silent auction table:** Jennifer is donating roughly 10 buckets of rocks and is in need of someone to come and get them. Jeff Eastburn offered to coordinate and store the rocks at his house. There are a lot of different types of Obsidian and various rough pieces. **Rocky Point Rock Donation:** Doris, Chuck, Marvin and Leah have been out and collected roughly 10 buckets of rocks from this collection. Thank you from the club for doing this. **Imprinted items for the show:** Jennifer Zimmerlee is continuing to research the cost and potential for items with the club logo for the March 2011 show. Initial research shows that the local cost is significantly higher than using an out of town or national vendor. She will be checking with Chris for a contact on whom she used for the Garden Club items.

Field Trips: Linda Watson reported that she went to Jennifer Zimmerlee's house and found people from Utah at the yard sale. In addition, LeRoy is cutting slabs. Thanks Jennifer for a great sale. **Sunstone, Plush, OR:** Garwin Carlson reported that the claim is in good condition. He found some with good shiller this time. Most people found good stones. Total people who came out were 30 and 8 dogs. No dog fights reported. Enjoyed the company of the gold miner's club members. Garwin wants to remind everyone who goes out to the claim to drink and bring lots of water. It is hot in the desert and water is necessary. Garwin shared that he polishes the sunstones and donates small bags to the visitor's center in Midland and the museum for people to take. Garwin shared Sunstone Polishing tips. Suggestion was made to add a tumbling section or polishing know how to the newsletter. Jennifer wanted to thank the Massey's and Limb's for their submissions to the newsletter on the sunstone field trip. **Madras Rock Show:** Doris and Gene Newnham went to the Madras show. It is a big show. They went on one field trip to the Thunder Egg area with Ron Oakes. So much stuff you have to be careful on how much you want to bring home. There are 5 days and 5 field trips available. This year Marsden Replacement wood was one of the field trips. There were dealers from Texas, Idaho, British Columbia, Montana and other areas. It is a more than one-day adventure. After the show, they went to Richardson Ranch to dig for thunder eggs. **Juniper Ridge Opal Mine:** Jeff Eastburn reported he was able to visit Chuck at the mine and go through the tailings. He sent around specimens for the group to see. **OIT find:** Jeff Eastburn found a piece of rock up on the hill north of the hospital and OIT that looks like "bacon". He is donating this to the "dinner table" display. **Hampton Butte Petrified Wood:** Marvin shared that the Hampton Butte field trip will be Memorial Day weekend 2011. This is a NWF Spring Fling event and a great time to meet new people and socialize. **Gold panning:** a few of the gold panning members have been out and their picnic in Keno was a success. **Obsidian Field Trip:** Greg Hobbs shared his adventures in collecting obsidian. He also had the opportunity to go spelunking at Lava Beds.

Future Field Trips: Marshall Curran presented the list of future field trips that have shown the most interest. All of these are in need of dates to be decided. Snake-skin Agate in Rome, OR had 9 people. Marvin Stump shared the following: This is a significant 6-7 hour drive. Located 6 miles East of the wild and scenic Owyhee River. Limited motels in Roma. Site is easy to find. Jennifer will have Charlie post a map on the website for this option. Recommendation of a September date as the desert is very hot in July and August. Applegate, Jacksonville, OR for possible gold panning and jade nephrite had 13 people interested. Ron Scott grew up in Jacksonville and is checking into recent claims that have popped up in the Applegate lake location. The understanding is that is open and not to be used for private claims. More to come. This is a good day trip. Virgin Valley, NV for opals with interest of 13 people. Marvin Stump shared that the Virgin Valley trip is an overnigher with the closet amenities in Denio, NV. There is a primitive campground however, you will need to bring your own shade and water. This a fee dig. The claims are the Royal Peacock, Rainbow Ridge, and Bonanza are all fee digs that club members could coordinate on their own. Marvin will check with a club member and see if his claim is available for a fee dig as well. This is a 3-5 hour drive depending on what you are pulling. **Program:** Socializing. Jeff thanked all the committee chairs for their hard work and for club member's participation. **Meeting adjourned** at 8:20 pm



From The Editor

It's hot, hot, hot. So how to beat the heat? Let's go to a field trip in the desert! Oh well, if we weren't a little crazy we wouldn't be rock hounds. Information on the Virgin Valley Opal trip are in this newsletter, it is the same weekend as the Lakeview show, so stop in at the show on your way to Nevada. We hope you've had fun on the field trips and hope you can join us on the few we have left, more details in each upcoming newsletter. Also I didn't include part 3 of my museums feature because of space issues and wanting to remind all our members that our show is coming up and the time to start planning and working on it is now. "What!" You say?, I have to think of the show before Thanksgiving and Christmas? Yes our show keeps growing so the planning needs to start earlier each year, plus if we don't leave things to last minute we don't stress out so badly. Besides some of us are taking advantage of Christmas in July and are half way done with our Christmas shopping. (I can't help it, I don't like to leave things to last minute). Remember the show takes teamwork and Team = Together Everyone Achieves More! Thanks Everyone!

Jennifer Zimmerlee

Dates to Remember

August 9th	Club Meeting
September 6-12	NW Rockhould Retreat, Fossil, OR
September 18	NFMS Convention & Annual Meeting, Hillsboro, OR
September 13th	Club Meeting



Jodean Cogdill - Klamath Falls, OR

Eddie Fore - Bonanza, OR

Barbara Hardenbrook - Midvale, UT

Doris Newnham - Klamath Falls, OR

Ken Newnham - Klamath Falls, OR

Chuck Newnham - Klamath Falls, OR

Nancy Smith - Klamath Falls, OR

Frank Vaughn - Lakeview, OR

August Birthstone (Traditional & Leo) Sardonyx

- * A variety of the Onyx with white and brown stripes in layers
- * From the Greek with Sard meaning "reddish brown" and onyx meaning "veined gem".
- * Were carved with the symbols of the Gods and worn into battle to ensure courage and victory and worn to bring the gift of eloquence to speakers and orators.
- * Used to carve cameos and intaglios with the most famous being a portrait of the Queen Elizabeth I of England
- * Protects against reptiles and bugs
- * Found in the Lake Superior area and in Oregon



August 2010

The Rock Pile

Clean Saw Oil

The next time you clean your slab saw, line the bottom with a double layer of burlap. When it's time to clean again pick up the liner by the corners and let it drain overnight on the carriage. Most of the sludge will be trapped inside the burlap and easily disposed of. The oil left is much cleaner and may probably be used again.

The sludge collector is a five gallon bucket with a tight sealing lid on it. In the lid there are two holes. In one hole I attached an old vacuum hose. In the other hole I attached a hose size adapter. I attached both parts using liquid nails, silicone sealant may have worked better. I lined the inside of the large end of the adapter with foam insulation. This allows for the hose from my shop vac to fit snugly inside of it. Now when I turn on the shop vac the suction is transferred to the hose attached to the sludge connector. When the sludge is sucked up it falls into the collector (five gallon bucket) and the shop vac remains clean. This contraption is easy to make and you can use different parts as long as each connection is tightly sealed



Getting rid of the sludge is another problem. I filter the oil back out of the sludge using a paper grocery bag. This worked very well with my small saw because I was able to place a coffee can with holes in it inside the bucket that would hold the bag up from the bottom. I would clean out the saw and just leave it until the next time I needed to clean the saw again. In the bottom of the bucket there would be clean oil and all the junk would remain inside the paper bag. The paper bag would get thrown away and the oil could be put in containers for future use.

and The Golden Spike News. Via Rock Chips 12/98

From Las Vegas and Gem Time via The Green Valley Rocker, The Rocky Reader

Rocks are everywhere even in the final rounds of the Scripps Spelling B in June, check out these two words used and their definitions.

Nahcolite: Colorless to white carbonate mineral (NaHCO_3), a naturally occurring sodium bicarbonate. Its structure consists of planar chains of carbonate groups linked with hydrogen bonds; planes are linked together by sodium in six-fold coordination with oxygen. Nahcolite commonly forms by reaction of carbon dioxide with the mineral trona (q.v.) in evaporated lake basins. It is found in large quantities in the central salt body of Searles Lake, Calif., and as concentrations up to five feet (1.5 meters) in diameter in the oil-shale deposits of Green River Formation, Colo., where it is commercially mined. For detailed physical properties, see carbonate mineral (table)

Schlieren: Irregular dark or light streaks in plutonic igneous rock. Schlieren have the same general mineral composition as the rocks in which they are found, but they are usually slightly darker or lighter than the rest of the rock because of differences in the ratios of the mineral types they include. They are typically a few centimeters to tens of meters long and can form in various ways, including by sorting of minerals during magma flow and through the gravitational settling of minerals during magma cooling and solidification.





VIRGIN VALLEY FIELD TRIP

AUGUST 14 & 15, 2010

For ease in club members enjoying the different mining adventures in Virgin Valley, Saturday will be left open for members to go to the Fee dig(s) they desire. This will allow members to arrive at Virgin Valley on their own schedule. A brief description of these Fee digs is given below.



Sunday, we will plan on meeting John Church (club member and owner of Swordfish Mining) at 8:00am at the Virgin Valley Campground. John's plan is to go to what he calls the "Last Millsite Claim" first and then to "Church Pews" by 4wd.

This is also a Fee dig. Ages 15 and under will be free. The Fee for ages 16 and over will be \$10/person and \$.25/pound for material out of the bank, or \$10/person and \$1.00/pound off the surface.

By going to John's claim on Sunday, members will be able to leave whenever they want to head for home.

VIRGIN VALLEY OPAL is located in Northwest Nevada just south of the Oregon border, 100 miles from Lakeview and 135 miles from Winnemucca. Travel time from Klamath Falls is around 3 ½ to 4 ½ hours depending on the type of vehicle and if you are pulling a trailer. Access is by Highway 140.

There are four mines that are open for fee digs. Web site links for the four mines and Swordfish Mining can be found under the following web sites:

www.thegemdealer.com & www.goldnuggetwebs.com/VVOPALS/index.html The second site has good maps.

BONANZA OPAL MINE – Fresh tailing Fee digging is \$60/person /day, 12 and under free with paid adult. \$10 discount for rock club members with proof. Ph. 864 597-1421; Web. bonanzaopals.com.

THE OPAL QUEEN – \$150/person/day bank digging, \$75/day tailing digging. Ph. 775 941-0130; Web. opalqueen.com

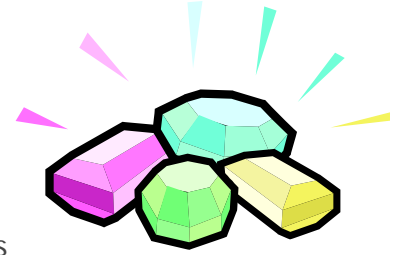
RAINBOW RIDGE OPAL MINE New material is \$500/day for one or two adults, \$70/person/day for tailings. Ph. 775 941-0270; Web. nevadaopal.com.

ROYAL PEACOCK OPAL MINE – Bank digging \$180/person/day, \$75/person/day for tailings. 17 space RV park plus tent camping. Laundry room & toilet/shower room. Bag ice, cold pop, pure well water, grass picnic area. Ph. 775 941-0374.

Continued on the next page!

I encourage every one to check the web sites so you can get an idea of what the country is like and what you can expect.

ITEMS TO BRING: Most important is water. In most places there is little or no shade and it is easy to dehydrate. For working the ground suggested items are: small pick, small garden rake, small shovel or trowel, spray bottle with water, buckets for collecting specimens plus an extra bucket to sit on, sun block, hat, and gloves.



The campground is on the south side of Hwy 140 and about 3 miles from Hwy 140. There is a toilet, a naturally heated hot water shower and outdoor swimming pool (complete with guppies), and a few small trees.

Denio Junction, about 30 miles to the east, has reopened and offers food, fuel, and rooms. Ph. 775 941-0171.

HOW TO KNOW WHERE TO TURN OFF HWY. 140. Traveling from Lakeview on Hwy 140, it is about 68 miles (if my memory is somewhat reliable) from Hwy 395 to the Oregon/Nevada border. The road going into Virgin Valley is approximately 20 miles after entering Nevada. There is a rest area on Hwy 140 just west of the Virgin Valley access road. There is also a sign on the highway inviting people to come into the opal mines and collect "black fire opal".

Leah and I are planning on being at the campground early Friday evening. We will discuss the field trip at the August meeting. Call or e-mail me if you any have questions. Ph: 541 882-8341, email: mrslas@ccountry.net. Marv Stump

Summer means getting outdoors and enjoying the weather, going camping, rocking, fishing, boating and all sort of other fun treats. Summer can also bring danger, please always take the time be safe, follow these tips for you and your family!

Human tips:

- * Always let someone know of your plans and what time you will be home.
- * Always carry your cell phone even if you don't think you will have a signal (the last ping, could be what leads help to you if you ever need it)
- * Always carry a portable first aid kit and snake bite kit on you, with another in your car
- * Always have blankets, extra water, spare tire, food and other items just in case of emergency.
- * Drink plenty of water and know the symptoms of heat cramps, heat exhaustion and heat stroke.
- * Take sunscreen and bug spray, remember to reapply every two hours.



Dog Tips:

- * Never leave pets alone in hot car, even with windows down.
- * If in rattlesnake country, keep on a leash
- * Have plenty of water for your dog also.
- * Have a first aid and snake bite kit for your dog.
- * Know the signs of heat stroke (yes dogs get it too).



Heatstroke signs:

Dogs:

Panting, staring, anxious expression, refusal to obey commands, warm dry skin, high fever, rapid heartbeat, vomiting and collapse.

Humans:

Clammy skin, loss of color, sweating, dry mouth, headache, confusion, you've stopped sweating, weak pulse and fainting.

Ready? Set? Show!

We are 6 months away from our 25th annual Rock and Gem Show. Time to start getting ready! Here are some things to think about and prepare before we start our official planning. Please, please take a moment and email, call, or come to a meeting and voice your opinions and ideas!



DO WE WANT TO MAKE NEW CASES SO ALL OF OUR CASES ARE THE SAME MATERIAL, SIZE, ETC?



Marv and Leah are bring tumbled rock to our August meeting, can you take some, buy \$5-\$10 worth of supplies and make critters for the wheel of fortune table?



Johanne Deidrich in Lakeview is polishing 200lbs of rocks for our show in exchange for her dealer booth fee. We still need more polished rocks (we can never have enough), could you polish some?

Do we want to sell logo items at the show? We could put the Rock and Arrowhead logo or create a new logo, or use the 2010 show logo. Approximate prices for a few items are listed below. Remember quality matters, we don't want to sell junk. (Do we want to give away an item like pens?) All prices are for single color logo only.

Hats: \$3.00 - \$5.00

Shopping Bags (like Fred Meyers) : \$0.32 - \$1.57

Pens: \$0.20 - \$0.80



Can you put in a display case?
Time to start planning now.

Do you know of a charity we can support?

Any ideas for our Silver Anniversary?

March 5th & 6th, 2011



Lets Travel to a Show!

August 6-8	North Bend, OR
August 7-8	San Francisco, CA
August 13-15	Port Townsend, WA
August 14-15	Lakeview, OR
August 20-21	Seaside, OR
August 21-22	Yelm, WA
September 3-6	Fort Bragg, CA

MULTIPLE CHOICE GEM TEASER by Doreen Chase

Q. What is the most desirable color of a Ruby?

- Pure red with hint of orange
- Pure red with hints of blue
- Pure red with hints of brown

Q. What stone changes color in artificial light?

- Aquamarine
- Amethyst
- Alexandrite

Q. What do the terms "square" "half Dutch rose" and "briolette" refer to?

- Different cuts of gemstones
- Different settings for gemstones
- Different bezel shapes

Q. Where can you find the world's largest cut diamond?

- Smithsonian
- Tower of London-King Edward VII scepter
- Elizabeth Taylor's jewelry box

Q. What gem if worn as an amulet, is said to protect against drunkenness?

- Amethyst
- Crystal
- Moonstone

Q. Which stone was used in Egyptian rings, cameos, and drinking vessels over 3000 years ago?

- Jade
- Onyx
- Agate

(Answers at the bottom)

Answers. 1) pure red with a hint of blue 2) alexandrite 3) different cuts of gemstones 4) agate 5) amethyst 6) agate tower of London

Garwin's Tips!

Polishing Sunstones

Sunstones are a 6 on the mohs scale for hardness

Do not mix sunstones with agates for tumbling.

Recommended tumbling schedule:

220 grit for one week

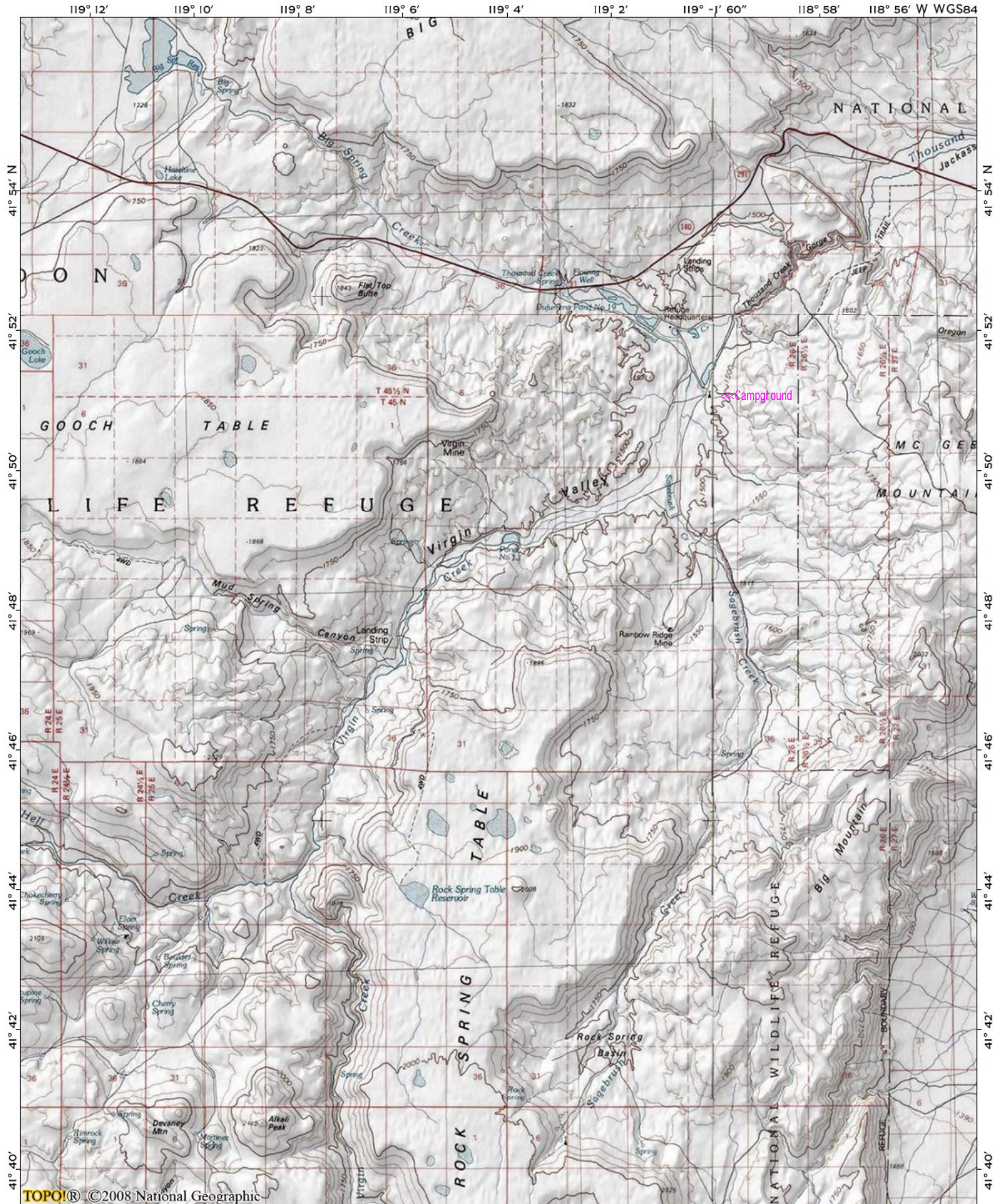
600 grit for one week

Tripoli polish for one week

Always make sure the stones are clean when changing the grit and polish.

Getting to Know New Secretary Laura Limb!

Laura and her husband Michael will be celebrating their 25th wedding anniversary this December. Originally from Randolph, Utah, Laura followed Michael to Klamath Falls after college when he took a job here. They have four children, Dean who is 24 then Rachael 15, Jessica 13, and Matthew who is 11 and share their house with the two lab collie crosses Boots and Millie. Rachael, Jessica and Matthew have been a welcome and fun addition to our club after convincing their Mom to join us this past March so they could help out at the show. Laura enjoys picking up agates on the beach but thinks Biggs or Bruneau Jasper is her favorite rocks. Her love of rocks started when her mom would take Laura and her siblings out to hunt for rocks in Southern Idaho and then they would make rock critters. Currently she loves cutting slabs on her 20" saw and is learning to make cabs on her grinder. She likes to send her cabs to her mom who will wire wrap them or just sits the rocks on her desk where she works as a nurse and information systems project manager. Besides being busy with rocks and work, Laura also enjoys lamp work, fusing class, reading, sewing and yard sales. We are grateful that Laura stepped up to volunteer to be secretary until the next elections, please feel free to email her at redlimb@charter.net



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