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◆ **The Council Reporter** ◆

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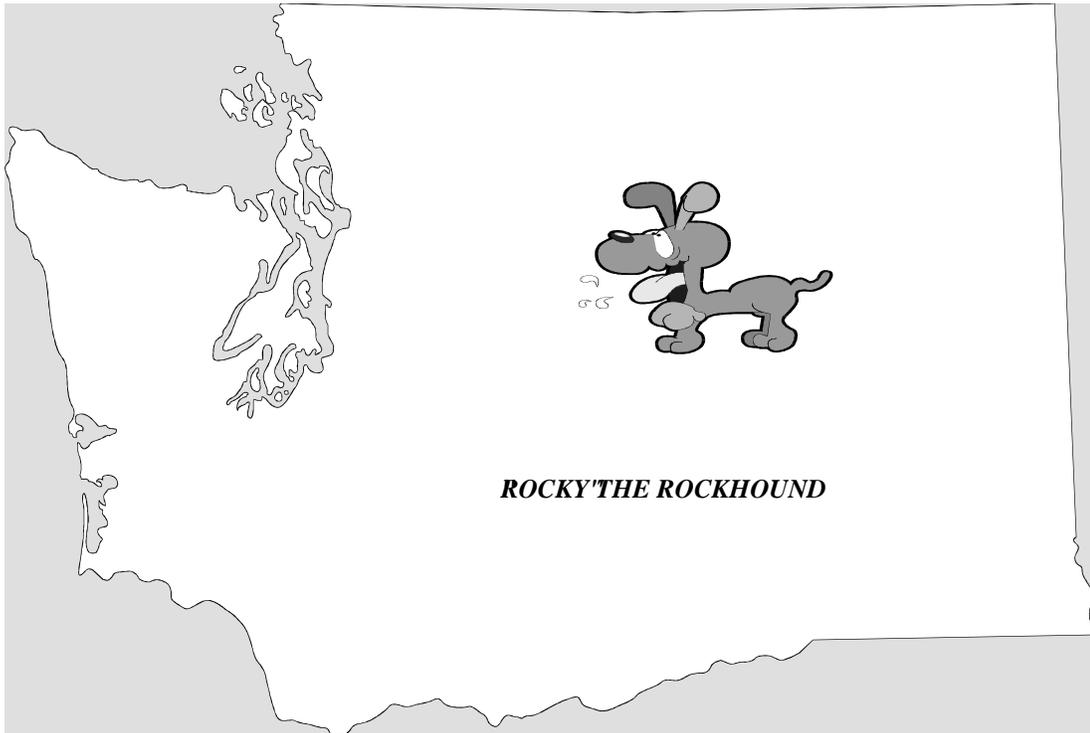
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**Official Publication of the  
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**WASHINGTON STATE MINERAL COUNCIL  
2012 OFFICERS**

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**The West Side Board meets the third Tuesday of each month between Quarterly meetings, unless a meeting is specially called. Usually no meeting in July and December dependent on Board action.**

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# Combined Board Meeting Minutes 09/22/12

These are the notes from the meeting as provided by Bob Pattie

I went to the meeting in Ellensburg on Saturday and the following is what happen from my prospective.

Their were seven of us at the meeting (!), Jackie and I from Cascade Min. Soc. (Renton), two from Spokane, two from Shelton and one from Ellensburg. I don't know what kept some of the people away, maybe the threat of smoke or the lack of having a special notice sent just before the meeting, or some just forgot about the meeting. We didn't conduct any business, it was more of an update of some activity that has been going on this summer. I did pass out the Treasurer's report.

I did most of the talking as I had prepared some notes before the meeting and I went through the various items. I am enclosing the notes. The first two items were related to the activities that I have been working on this summer. Item number three was mention so that if anyone had suggestion as to potential officers, please let one of the current officers know your thoughts.

The last items was just a reminder that we will be needing more maps for the Fall shows.

The couple from Spokane had brought a box of material (WSMC material from the East side show case) and was intending to past it on to Ed Lehman, I have it at my house currently.

I would say that most of the discussion was related to the Snoqualmie Corridor Recreation Planning committee activities. One of the interesting notes was related to the Natural Resources Conservation Areas (NRCA) lands that have been set aside for recreation (low-impact recreation) and is not part of the State Trust Lands, State Parks or Fish and Wildlife lands.

The areas that I noted in my notes all allow "Incidental Rock and Mineral Collecting" with some conditions

- specimens are gathered for personal collection,
- hand tools, or not tools are used,
- no blasting occurs,
- rocks and minerals are not used for commercial purposes,
- the specific conservation area site management plan has no additional restrictions determined necessary for its protection.

Each of the sites mention in the notes carry the same message on incidental rock and mineral collecting.

If people would like more information about these four NCRA or other areas in the state, just Google on the name and the plan

## October 16, 2012 Westside Board Meeting AGENDA

Opening of Meeting  
 ◇ Brian Waters  
 Treasurer's Report  
 ◇ Kathy Earnst  
 Committee Reports  
 ◇ Wagonmaster -Ed Lehman  
 Old Business  
 New Business  
 Open Comments

## Meeting Calendar for 2012

West side board meetings:  
1/17, 2/21, 4/17, 6/19, 10/16

At 7:30PM at the  
Maplewood Clubhouse  
8802 196th St SW, Edmonds

General meetings :  
3/31, 5/5, 9/22, 11/3

All general meetings will be held at:

Palace Café  
4th & Main  
Ellensburg  
Meeting @ 9:30 AM

should come up.

The following are the notes that I talked from on Saturday.

Notes for the September 22, 2012  
WSMC meeting

- Provide Status on the meeting in Olympia with DNR on collecting on State Trust Lands.
  - Last meeting, April 30th.
  - Discussion on a survey to access trips and usage.
  - Survey was distributed by e-mail to each club.
    - I have copies of blank survey with me today.
    - I haven't heard if any were turned into Brian this summer.
  - Before our next meeting, we need to have some data on usage.

II. Provide Status on the Snoqualmie Corridor Recreation Planning Committee

(Continued on page 4)

(Continued from page 3)

A. First meetings were to provide the committee with know data about the area, specifically the Biological, Geology/Soils, and Management processes. We also discussed the current usage of the area and where the boundaries were located. Also we discussed what part was the committee's involvement of the planning process.

B. We then spent most of the summer on trips into the area to access the land and possible usages.

C. We are now having monthly meeting on putting all of this information together to provide an input to the planning process.

D. Discuss in general terms the land management difference of DNR State trust lands (State Forests) and Natural Resources Conservation Areas, (NRCA) as it affects usage.

E. Briefly talk about the four NCRA area; West Tiger Mountain, Rattlesnake Mountain, Mount Si Management Plan, and Mount Si NCRA Public Use Plan for examples of usage.

III. Nominating Committee to report at November meeting.

IV. Will need to get more Map books printed.

The following is a letter from Andy Johnson, immediate past president of the WSMC. This will be one of the subjects to be brought up at the West side board and the next general meeting in Ellensburg. The views expressed in the letter are Andy's and do not necessarily represent the WSMC as a whole.

\*\*\*\*UPDATE\*\*\*\*

**Recreational Rock collecting ----- Washington State**

Recently(7/17/2012) the Washington State Department of Fish & Wildlife Commission (WDFW) considered a petition brought before it by a number of stakeholders of Washington. The petition was seeking a rule change in the Washington Administrative Code (WAC) as well as a rule change to the WDFW regulations which would allow recreational rock-hounding activities by permitting the collection of 250 pounds P/P per day in aggregate, and 25 lbs. per day for petrified wood. It would have allowed for the use of hand tools only( no mechanized/motor powered machinery or explosives) as well as stating that no material collected was or will be intended for commercial use.

In making it's decision to deny this petition and subsequent rule changes the volunteer commission of nine wasted little time in deciding what to do, relying on department staff to suggest their action based upon a host of unfounded and unproven concerns and baseless innuendos that are contradictory at best.

The justification for the commissions actions are enumerated in

the following 7 statements.

The proposed denial of this petition is based on several concerns described below including mineral right issues, compliance with land acquisition grant agreements, and resource and cultural resource damage.

1) The state of Washington does not own the mineral rights on the majority of WDFW public lands. Each deed would need to be reviewed to determine if WDFW owns the surface minerals. Further, it is very common for mineral rights reservations to reserve fossils. There is, therefore, a concern about the unpermitted removal of minerals, including fossils, where they may not be owned by the state.

2) Resource impacts from digging would be in conflict with limitations stipulated in acquisition grant agreements where lands are purchased to protect habitat. Allowance of such activity could be in conflict with the funding source(s) and thus would put us into grant conversion

3) Resource damage is also a significant concern. Digging on public lands could degrade fish and wildlife habitat. Talus slopes, cliffs, riparian habitats, and other areas are critical for priority fish and wildlife species.

4) To comply with federal and state laws, WDFW is required to do an evaluation before disturbing soils for activities such as digging post holes for fencing or even digging holes for planting trees. This site specific evaluation typically includes consultation with federal, state, and tribal entities Although allowing individuals to dig on state lands does not in and of itself threaten cultural resources, the likelihood of cultural resource damage is very real. Tribal concerns may exist because of the potential for the exposure and damage of cultural resources.

5) The removal of non-renewable resources such as petrified wood and other minerals like columnar basalt can diminish the recreational, educational, and research opportunities for others

6) Other public land management agencies addressing this issue:

- National Parks for the most part do not allow this activity.

- Oregon Department of Fish and Wildlife requires a permit to remove minerals, but cultural resource protections require surveys and consultation with tribes, so permits for this activity would be very difficult to get.

(Continued on page 5)

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- Idaho Fish and Game does not allow removal of soils, gravel, or minerals
- California Fish and Game does not allow the removal of any humans, soil, sand gravel or rock on state wildlife areas

7) Inability to enforce rock collection activities as it's nowhere to be found on their priority list.

Of all the above reasons stated for the denial, the one most amusing was #7. They have always and will continue to exercise their inability to enforce rock collecting activities as it's nowhere to be found on their priority list.

Currently rules and regulations governing casual rock collecting in the state are as follows.

WAC 232-12-251 (Washington Administrative Code) Removal of minerals, wood and artifacts from department lands. It is unlawful to remove petrified wood, minerals, fossils, wood products or artifacts from department lands unless such removal is authorized by a permit issued by the director.

RCW 79.02.310 (Revised Code of Washington)  
Trespasser guilty of theft, when.

Every person who willfully commits any trespass upon any public lands of the state and cuts down, destroys, or injures any timber, or any tree, including a Christmas tree as defined in \*RCW 76.48.020, standing or growing thereon, or takes, or removes, or causes to be taken, or removed, therefrom any wood or timber lying thereon, or maliciously injures or severs anything attached thereto, or the produce thereof, or digs, quarries, mines, takes or removes therefrom any earth, soil, stone, mineral, clay, sand, gravel, or any valuable materials, is guilty of theft under chapter 9A.56 RCW.

RCW 79.10.125 (Revised Code of Washington)  
Land open to public for fishing, hunting, and non-consumptive wildlife activities.

All state lands hereafter leased for grazing or agricultural purposes shall be open and available to the public for purposes of hunting and fishing, and for non-consumptive wildlife activities, as defined by the board of natural resources, unless closed to public entry because of fire hazard or unless the department gives prior written approval and the area is lawfully posted by lessee to prohibit hunting and fishing, and non-consumptive wildlife activities, thereon in order to prevent damage to crops or other land cover, to improvements on the land, to livestock, to the lessee, or to the general public, or closure is necessary to avoid undue interference with carrying forward a departmental or agency program. In the event any such lands are so posted it shall be unlawful for any person to hunt or fish, or pursue non-consumptive wildlife activities, on any such posted lands. Such lands shall not be open and available for wildlife activities when access could endanger crops on the land or when access

could endanger the person accessing the land.

The department shall insert the provisions of this section in all new grazing and agricultural leases.

### Tiger's Eye

Tiger's Eye is the common name for a variety of Chalcedony. This gemstone contains an intergrowth of amphibole fibers (also known as asbestos, the term for any of several minerals that will readily separate into long flexible fibers). In Tiger's Eye, crocidolite is the asbestiform of the mineral riebeckite.

The fibers create the characteristic chatoyance of this gemstone. When turned towards the light, it displays a series of lustrous bands alternating with bands of duller color. Throughout its metamorphic history with folding and faulting, the display is enhanced by the fact that the fibers are not always perfectly straight. They may be curved and often have a sharp bend or twist.

While Tiger Eye has been considered to be pseudomorph, where the crocidolite fibers were replaced with quartz much like the replacement that happens in petrified wood. However, studies at Penn State U. suggest otherwise. It has long been thought that This new evidence proves this may not be the case and that quartz and the crocidolite coexist, through a process called crack seal vein filling, where crocidolite grew within the fracture in the rock, and then were engulfed and encapsulated by a quartz enriched solution. The process repeated over and over through new fractures, resulting in the layered bands of undulating fibrous intergrowths. For more info on this study, see Anne Sasso's 2003 article, "A Second Look at Tiger Eye" (<http://www.ganoskin.com/borisat/nenam/tigereye.htm>) at the Ganoskin Project website.

Tiger's Eye is a 6.5 to 7 on the Mohs hardness scale. Notable locations for Tiger Eye are in Australia, Africa, Virginia and Minnesota.

James also noted that Tiger's eye was once used in cigarette filters. It was taken off the market in 1956 when several deaths occurred (due to the asbestos content.)

Cutting and Polishing tips: Find the flash! Orientation of cutting is critical to getting good chatoyance and color out of tiger eye. Cuts must be exactly parallel to the length of the fibers to get full chatoyance. If the saw cut is perpendicular, or 90% to the fibers, you end up with a lifeless, dark brown to black stone with no light play at all. And because of the asbestos, always wear a mask when cutting this material! The material can be treated with bleach. Colors can vary from tan, green, blue, brown.

Tiger's Eye, blue variety Also known as Hawk's Eye or Falcon's Eye

(Continued on page 6)

(Continued from page 5)

A plethora of other names exist for Tiger’s eye and related stones, depicting coloration or specific localities:

- Hawk’s Eye or Falcon’s Eye is cited on mindat.org as trade names for a blue variety of Tiger’s eye. In Russian, Rodusite.
- Bull’s Eye or Ox Eye— Tiger’s-Eye having a relatively dark mahogany-red as its chief color.
- Marra Mamba is considered the Rolls Royce to tiger eye collectors. The location is from the Hamersley Ranges of the Pilbara region in Australia (found in only two deposits; it has been mined out for nearly 20 years.)
- Pietersite - Mindat.org notes this as simply a synonym for Tiger’s eye. However, other resources describe a differentiation where Pietersite is more swirls, swaths and fibrous segments, rather than the continuous structured bands or fibers. Named for the prospector, Sid Pieters for his discovery in 1962 in northern Namibia. Chinese Pietersite, or Eagle’s Eye, is named for the variety discovered in 1993 at Nangang, Hunan Province, China. It differs in coloration through its magnesium-rich amphibole.

- Binghamite (or Cuyunite) - described as “an iron heavy rock that has inclusions of the familiar tiger eye fibers“, but it is basically fibrous quartz in which the replaced fibers are a red hematite and yellow goethite iron rather than crocidolite. Named after Bill Bingham, a lapidarist from St Paul, who discovered in 1936. Secondary name refers to its sole locality in the Cuyuna iron range near Crosby, central Minnesota. Silkstone refers to a variety of binghamite, where the stone’s pattern is arranged in level lines, as if “enough Tiger eye is present to dominate the stone”

- Tiger Iron—a banded ironstone rock composed chiefly of Tiger’s eye, red jasper, and black hematite, primarily found in the Ord Ranges near Port Hedland in Western Australia's Pilbara region. If it's mostly jasper, it is usually called Tiger's Eye Jaspilite.

References: Topgems, Quality Cabochons wikipedia.org, and the Mineral Database (mindat.org)

via CMS eTumbler, 08/12, West Seattle Petroglyphs, 6-7/12; from Maplewood News, 6



Brian Waters drove by the Lucas Creek area this summer and found signs like this posted by Weyerhaeuser.

## Local Area Shows for 2012

DATE & TIME	CLUB	SHOW	LOCATION
October 2012 6th 9am—6pm 7th 9am—5pm	Clallam County Gem and Mineral Society	Annual show	Vern Burton Community Center 308 E. 8th St. Port Angeles, WA
October 2012 12th 10am—6pm 13th 10am - 6pm 14th 10am—5pm	Portland Regional Gem & Mineral Association	Annual show	Washington County Fairplex 873 NE 34th Ave Hillsboro, OR
October 2012 13th 10am - 5pm 14th 10am—5pm	Marysville Rock and Gem Club	38th annual show	Totem Middle School Cafeteria 7th St. and State Ave Marysville, WA
October 2012 27th 10am - 5pm 28th 10am—5pm	Bellevue Rock and Gem Show		Vasa Park 3560 West Lake Sammamish Blvd. SE Bellevue, Washington 98008
November 2012 9th 10am—5pm 10th 10am—5pm 11th 10am—4pm	South Sound Gem, Opal & Mineral Show The Northwest Opal Assoc and Cascade Mineralogical Society	8th annual show	Puyallup Fairgrounds Expo Hall Meridian St. S. and 9th Ave. SW Puyallup, WA
November 2012 17th 10am—5pm 18th 10am—5pm	Kitsap Mineral & Gem Society	Annual show	Kitsap County Fairgrounds, President's Hall 1200 NW Fairgrounds Rd Bremerton, WA
February 2013 9th 9am—5pm 10th 9am—4pm	Whidbey Island Gem Club	48th Annual Sweetheart of Gems Show	Oak Harbor Senior Center 51 SE Jerome St. Oak Harbor, WA

**LIST OF WSMC FIELD TRIPS FOR 2012 - (May be altered during the year. Please check back often.)**

The WSMC sponsors field trips through various rock clubs in the state. These trips offer the general public as well as the experienced rockhound the opportunity to collect a wide variety of materials from agate and jasper to crystals and fossils. Experienced guides familiar with the sites are on-hand to help find good quality material. Check with the local clubs in your area for further information. **AREAS CURRENTLY CLOSED TO COLLECTING: LUCAS CREEK, ADNA, DIATOM PITS (FRENCHMAN HILLS).** No motorized vehicles allowed: Green Mountain (Kalama) and First Creek.

Check out the trip info, and tool listings at: [mineralcouncil.org](http://mineralcouncil.org).

Updated: November 14, 2011

Date	Host	Site	Meet @	Material	Tools
10/6	Spkn	Chewelah Area	9:00 @ Chewelah Safeway	Magnesite, Var. Minerals	Container, and rock hammer
10/27	Msvl	Happy Thought Crk	9:00 @ Hwy 2, Money Creek Campgrnd	Picture Jasper	Rock Hammer & Container
11/10	MtBk	Blanchard Hill	9:00 @ I-5 exit 240, Gas Mart	Stilpnomelane in Quartz	Hard rock tools

(\* Deposit must be received no later than 30 days before trip date to reserve spot; deposit fully refundable.) Participants must be age 16 or older; no children or pets, please; maximum of 40 participants so get your reservations in early!)

**ALWAYS CALL TO CONFIRM TRIP DATES AND DETAILS!!— SEE BELOW**

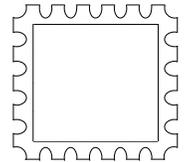
Abbreviation	Host	Contact	E-mail
Evt	Everett Rock & Gem Club	Brad Johnson (206) 403-3073	cavemanrocks@yahoo.com
LkSd	Lakeside Gem & Min Club	Andy Johnson (509) 546-1950	cbagates@hotmail.com
Msvl	Marysville Rock Club	Ed Lehman (425) 334-6282	wsmced@hotmail.com
Msvl-Wasco trip		Stu & Kathy Earnst (360) 856-0588 27871 Minkler Rd, Sedro Woolley, WA 98284	earnstkk@comcast.net
MtBk	Mt Baker Rock Club	Kris Menger (360) 927-0994	kmenger@comcast.net
Nw Op	NW Opal Association	Tony Johnson (253) 863-9238	ynotbandit@earthlink.net
Pow-Wow	All Rockhounds Club	Cliff Matteson (253) 475-8433	cliff.conniematteson@gmail.com
Spkn	Rock Rollers of Spokane	Mike Shaw (509) 251-1574	mikeshawmoose@yahoo.com
WSea	West Seattle Rock & Gem Club	Brian Waters (206) 290-2312	bwaters2011@gmail.com
Yak	Yakima Rock & Min Club	Jerry Wichstrom (509) 653-2787	jewtmew@aol.com

Trips are open to all. Most 2 day trips include Sat potluck, Sun free breakfast, tailgating, swap, and horse shoes. Small fee required for Pow Wow and Madras trips. FOR MORE INFORMATION contact Ed Lehman at [wsmced@hotmail.com](mailto:wsmced@hotmail.com) or (425) 334-6282. Or see [mineralcouncil.org](http://mineralcouncil.org)

Westside Board Meeting  
October 16, 2012  
7:30 PM

**Maplewood Clubhouse**  
**8802 196th St SW**  
**Edmonds**

COUNCIL REPORTER, Monthly publication of The  
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