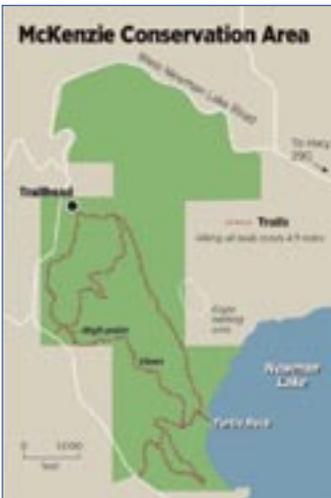




Newman Lake Flood Control Zone District 2018 NewsLetter

2018 Newman Lake Calendar of Events



McKenzie Conservation Area Trail Building Volunteers

Friday, April 20th

On the date listed above, we will gather at the McKenzie Conservation Area parking lot at

8:30 am,

Please see further contact and sign-up information on page 2 of this News letter if you wish to participate.

Annual Newman Lake Clean-up Day Saturday, April 21 Begins & ends at the Old Fire Station on West Newman Lake Dr.

**ROAD SIDE CLEAN UP
8-9 am**— pick up gloves, bags and assigned stretch of road to clean up. Bring back trash & recycling, then enjoy the HOT DOG BBQ Feed!

CLEAN GREEN YARD WASTE DROP OFF 8 am -12 noon

Not accepted: branches over 3" in diameter or 6' long, stumps, root balls, soil, lumber, trash or commercial loads.

Sponsored by Newman Lake Fire & Rescue

BLOOD DRIVE

9 am -1 pm Blood Mobile will be on site for donations. *Sponsored by Newman Lake Fire Auxiliary.*

HOT DOG BBQ FEED

10 am -1 pm, Hotdogs, chips, water & soda provided. Bring a dessert to share, optional.

Sponsored by Newman Lake Property Owners Association.



NLFCZD Milfoil Control June 2018

The District will once again have our contractor perform an herbicide treatment of approximately 30 acres to control Eurasian milfoil. The shoreline residents will receive an official notice from the District at least 10 days prior. We typically have treatment completed in early June, and will aim for that time again this year; herbicide treatment is lake and weather dependent.



NLPOA Poker Run! July 4th 11:00 am – 2:00 pm

Get out on the lake, meet your neighbors, and win some prizes in the 3rd Annual, July 4th Poker Run! Look for participating docks, & start at any one to get your game card & your first playing card; then work your way around to other participating docks to get the rest of your hand. Turn your card in at the last dock by 2:00 pm.

Prizes:

Best Hand on motorized boat
Best Hand on non-motorized
Best decorated boat & more!



McKenzie Conservation Area News

In March and April, work will resume on the new trail in the additional acreage of the McKenzie Conservation Area at Newman Lake. We are fortunate to have help from the Spokane Mountaineers, who will provide trail-building tools and some experienced workers. Any recreationists or property owners who can participate are encouraged to do so. This is a great chance to become acquainted with the McKenzie trails and meet some other active hikers. Some of these folks have come out multiple times to help us build the new trail. At the issue of this Newsletter, we have already had the Wednesday, March 14th trail work, and the Saturday April 7th trail work.

There will be only one date left to sign up:

Friday, April 20 from 8:30 - 3:00

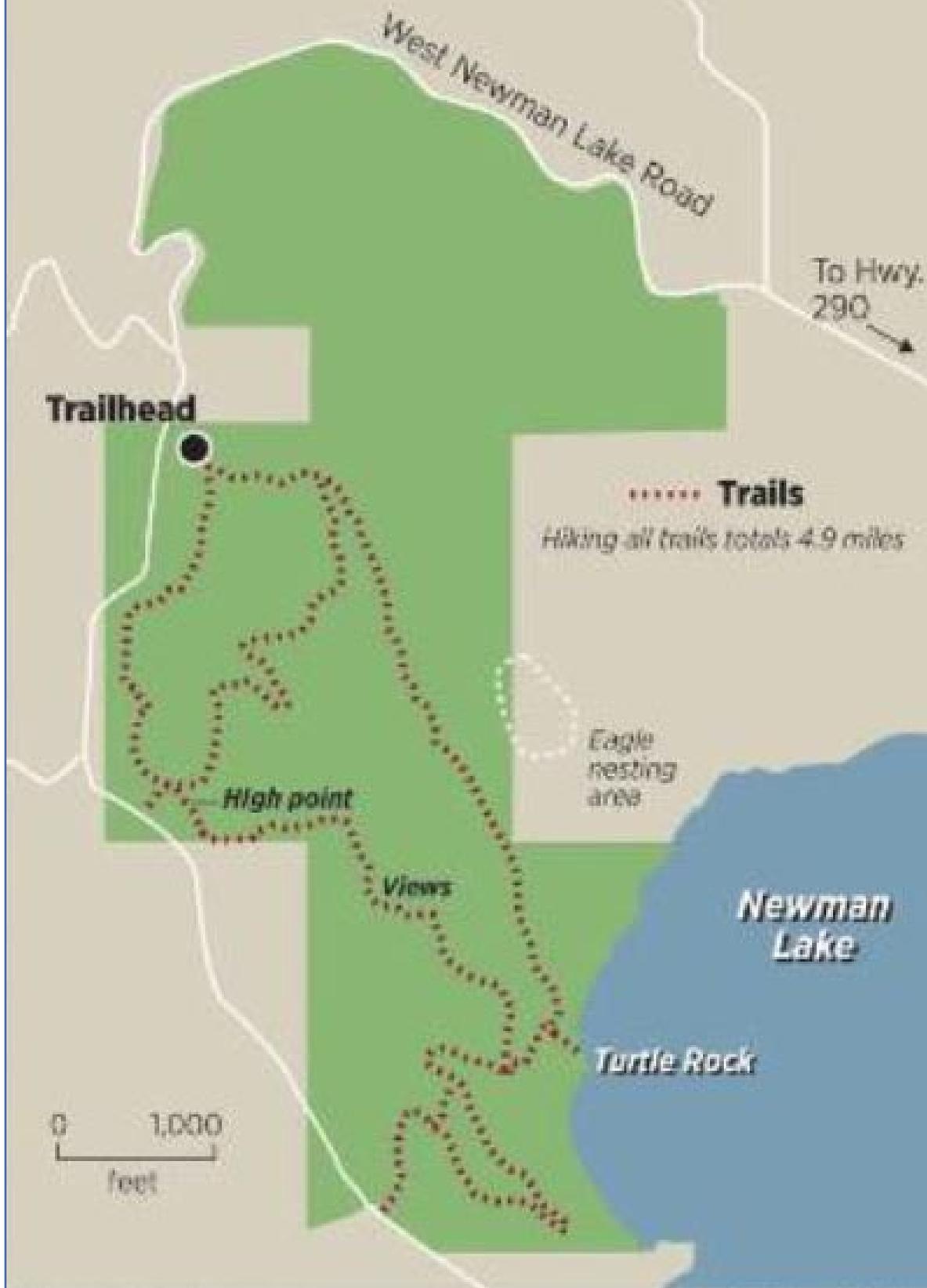
To register, please contact Lynn Smith at kslynndeb@hotmail.com or (208) 772-4337

We will gather at the McKenzie Conservation Area parking lot at 8:30 a.m.

The McKenzie Conservation Area parking lot is at the north end of Newman Lake, about 1.5 miles west of the Thompson Creek Bridge.

Wear long pants and sturdy shoes, bring gloves, water, and a lunch. Dress for the weather. You will need a day pack, as we will hike to the work site and won't be near cars. We will be done about 3:00 p.m. Trail building experience isn't required. Spokane Mountaineer experts will show us what to do.

McKenzie Conservation Area



SOURCE: Staff research

MOLLY QUINN
mollyq@spokesman.com



2018 Newman Lake Milfoil Control Update

Summer 2017 Milfoil Controls Completed

- 55 acres of herbicide 2, 4-D along the north and south shorelines, paid by the District and Ecology Grant Funds.
District = \$12,375.00
Ecology = \$4,125.00
Total = \$16,500.00
- 14,230 linear feet, or 2.7 miles of shoreline suction weeded, paid by the District and Ecology grant funds.
- 625 linear feet or 1/10th of a mile of shoreline was suction weeded, paid by private residents in front of their properties.
- Eight residents utilized Bottom Barrier Mats in front of their property, received from the District, for Eurasian Milfoil Control around shallow dock and swimming areas.

2018 Milfoil Control Funds

- Grant Funds Remaining \$8,766.00 = 75%
- District Match \$2,922.00 = 25%
- 2018 Total \$11,688.00 = 100%

May 2018 - Milfoil Survey to be completed by Contractor & Staff

June 2018 – Estimated Control Measures

- 30 Acres of South Shoreline Herbicide Treatment at \$300.00 per acre = \$9,000.00
- 22 hours of Diver Suction Weeding at \$135.00 per hour = \$2,970.00

Adopt-A-Shoreline Program:

The District continues to encourage private residents to contact the District Contractor directly for *Diver Suction Weeding* completed in the lake in front of their properties.

Contact: Mat Lawrence / Aquatic Weed Solutions, (208) 255-6444

Milfoil Representatives: As part of the Adopt-A-Shoreline Program, we currently have 14 Milfoil Representatives who have agreed to work with their neighbors and coordinate with the Contractor to have *Diver Suction Weeding* completed within their bay or neighborhood. The District Milfoil Control Contractor is willing to work with individual lakefront property owners to control milfoil within the lake in front of their properties. It is more efficient if lakefront residents partner with their neighbors and go in together to have milfoil control completed.

**Contact Karen Kruger/NLFCZD, with questions or information at:
kkruger@spokanecounty.org or (509) 477-7262**

Newman Lake 2017 Milfoil Survey Area



◆ 2017NewmanLakeWaypoints14June2017

▭ published ASSESSORS.Parcels

EURASIAN MILFOIL FUTURE FUNDING

The 2016 – 2018 Newman Lake Milfoil Plan Ends This Year

The District's Milfoil Plan will continue to encourage Newman Lake shoreline residents to take on increased responsibility for reducing milfoil within shallow, dock and swimming areas in front of their properties. The District and the Community have come together to educate and inform Newman Lake residents in the process of Eurasian Milfoil control.

Adopt-A-Shoreline Program:

Unfortunately, Ecology has stated they will no longer be able to provide Aquatic Weed Management Funding to Newman Lake as they have in the past. We have heard this from them before, and we understand they are encouraging the District to initiate private funding and responsibility within the Newman Lake Community. That is where the idea for the Adopt-A-Shoreline Program came about. This program has been working to involve shoreline residents for control of milfoil within their immediate shallow dock and swimming areas.

Milfoil Representatives Program:

To satisfy our recent Ecology grant requirements, we have added the Milfoil Representatives Program. Last year, several shoreline residents agreed to volunteer to represent a certain area, bay, or neighborhood. Milfoil Representative participation is important in making sure shoreline residents are educated, involved, and take responsibility for non-herbicide forms of milfoil control. Milfoil Representatives are shoreline residents who agree to help with one or more of the following:

- Actively work with neighbors who wish to pool their funds, donate to the chosen milfoil control measure(s), and pay contractors directly.
- It can be less costly for lakefront residents to hire diving contractors directly, as the County/District are required to go through the bidding/contracting process with Purchasing, and are often required to pay prevailing wages to contractors. Residents would be exempt from these requirements.
- Ensuring the small milfoil populations within shallow dock and swimming areas are controlled each year is important in preventing those plants from fragmenting, and contributing to the creation of larger infestations.

If you would like to coordinate with your neighbors in reducing Milfoil in your area, and can help by being a Neighborhood Milfoil Representative, please contact:

Karen Kruger
kkruger@spokanecounty.org
(509) 477-7262

Herbicide Treatments:

- Herbicide treatments require a State Department of Ecology permit, and are more appropriately applied to large acreages of milfoil. Herbicide treatments within areas in front of specific lots along the lakeshore are currently discouraged, due to potable water, irrigation, and swimming restrictions for up to 21 days after they are applied.
- The District has been issued a State Permit, and we have continually used it for large acreage herbicide applications within the far north and south shorelines of the Lake, where minimal properties with potable water needs exist.
- Continuous large acreage herbicide applications have been known to adversely affect water quality, so we are moving toward alternative control measures for the smaller, shallow milfoil populations such as Diver Suction Weeding and Benthic Mat Placement.



Benthic Mat pictured during a lake draw down

Diver Suction Weeding:

Diver Suction Weeding is one alternative control option available to lakefront owners who will work with their Milfoil Representative, and hire a Diving Contractor to remove milfoil within bays, or neighborhood areas, pooling their private funds to pay for the services directly.

- The goal is to encourage Newman Lake residents to treat the land within the lake in front of their properties as though it were part of their yard/ garden.
- If one or more property owners discover there is Eurasian milfoil in front of their properties, we are encouraging them to go in together and hire one of the local divers to remove the milfoil.
- Milfoil Representatives/Volunteers will coordinate with each other and the Divers in choosing a date for the milfoil removal.
- The District currently has some grant funds to hire Divers to perform suction weeding until June 30, 2018. After that time, Newman Lake will need to utilize private funds to control Eurasian milfoil.

Benthic Mat Placement:

Benthic mats are available to shoreline owners, from the District, until they are gone. Benthic mats are one source for milfoil control, but are not an option for everyone. We currently have about 20 mats to issue in spring of 2018. A 12' X 15' mat will be issued to shoreline residents who request one and have a small, shallow, verified (verified by District staff or Milfoil Rep) milfoil population. Those requesting a Mat will be asked to agree to conditions and guidelines of use such as:

- Fill out an application form and agree to provide proof of installation and removal by submitting a photo for each activity.
- Install the mats themselves, or arrange for a diver to place the mats through their Milfoil Representative or District Staff. Monitor and report results at the end of the season.
- Secure the mats with concrete pavers or sand bags, no metal stakes or rebar will be allowed. The Department of Natural Resources and Fish and Wildlife have asked that we not use metal stakes or re-bar to keep the mats in place.
- Remove the mats by September 30th each year.

Fema Funds Received for NLFCZD

By Colleen Little

Spokane County staff worked diligently with the Federal Emergency Management Agency (FEMA) to receive reimbursement for costs of emergency response and repairs of damage incurred during spring 2017 flooding at Newman Lake.

The projects receiving funds included emergency sandbagging of the dam, removal of debris from the outlet gate, repair/replacement of the outlet gate log boom, and scraping and removal of the silts deposited in the Newman Lake sump.

The total costs incurred were \$58,364.51, and of that amount, \$56,574.12 was reimbursed by FEMA. These projects were initially all denied by FEMA. It was only through the persistence, continued efforts, and last minute scrambling of County staff working with FEMA to fine-tune the contracts and grant language details to meet their satisfaction, that allowed the Newman Lake Flood Control Zone District to be the beneficiary of grant funds for these important projects.

This was a huge benefit to the Newman Lake budget this year, otherwise the Flood Control reserves fund would be near zero. This gives the District some flexibility to address the dam issues and other facility maintenance issues coming up in the next couple of years.





Status Update

Newman Lake Dam/Dike Reclassification

By *Katrina Svingen and Colleen Little*

The Newman Lake southern embankment... is it a dike or a dam?

What is the difference, and why does it matter?

According to the Washington State Dam Safety Office (DSO), “a dam is any structure or controlling work that stores a volume of 10 or more acre-feet of water.” To put that in perspective, 10 acre-feet would be the equivalent of a football field (160 feet wide by 360 feet long) covered to a depth of about 8 feet of water.

The Newman Lake embankment, by definition, is a dam.

But why does that make a difference?

Each dam is classified by the level of downstream hazard to people, infrastructure, and environment resulting from a dam failure. The classification of the dam determines the rules and regulations required for any construction, modification, or repair to that dam. The higher the hazard classification, the more stringent the rules to ensure the safety of people and property downstream.

Why is all this important?

The DSO is proposing to reclassify the Newman Lake dam at a higher risk level. Separate hydrologic modeling performed by both DSO and Natural Resources Conservation Service (NRCS) concurs that the Newman Lake dam is a “High Hazard Dam.”

What is the recent history that brought this to light?

A permitting request to perform maintenance on the dam, coupled with flooding last spring over low spots in the dam, which resulted in the temporary closure of Starr Road due to water flowing over the road, brought the question of the dam’s stability to the forefront. These low spots developed over time due to the dam’s peat composition, which is organic and tends to settle. Repair to the dam will be costly no matter what the hazard classification; therefore, it made sense to step back and assess the alternatives.

What does this mean as we move forward?

It means the requirements for the dam’s operation and maintenance would be more stringent, and any repairs to help raise the level of the dam back to the original design height would need to follow the rules and regulations for a “High Hazard Dam.” Alternately, instead of repairing the dam, another option would be to decommission it. This means removing the existing dam material, such that the dam classification will be lower. This will mean less potential risk to downstream impacts, also potentially reducing the criteria for repair in the future. Both directions, repair or decommissioning, have challenges regarding construction feasibility, future flood control, lake level management, and cost.

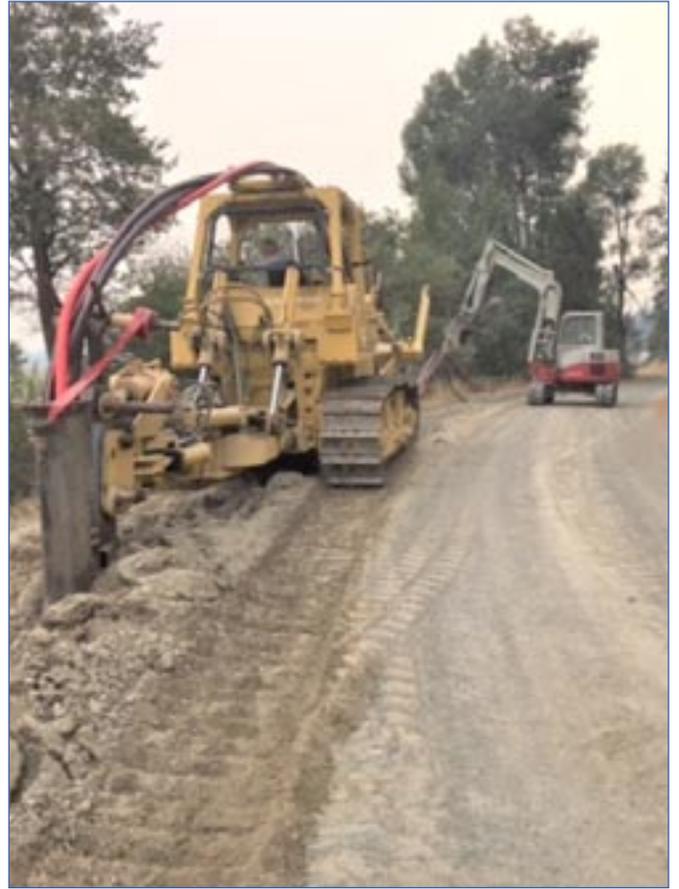
At this point, the NRCS, in cooperation with Spokane County, is looking at various options to help minimize the downstream hazards, and ensure a safe environment within the confines of the DSO reclassification. Stay tuned for more information about public meetings and opportunities to provide input on the forthcoming proposed solutions.

Inland Power and Light

East & West Newman Lake Overhead to Underground Conversion Projects

An Outage-Prone Area...

After decades of difficult powerline maintenance and tough storm restoration efforts, Inland Power & Light Company was poised to act when the Washington State Emergency Management Division suggested that FEMA was considering shifting funding from *disaster restoration models* to *disaster prevention models* in certain qualifying situations. In other words, instead of rebuilding disaster struck areas like-for-like, it will now look at hardening the system to lessen or avoid future damage. IPL was quick to submit several applications and as a result the East & West Newman Lake Overhead to Underground Conversion Project were some of the first in the nation to be approved.



There's a lot of rock out there...

IPL realized quickly that they did not have the in-house resources to take on projects of this size in the short FEMA timeline. The scope of the projects led to nationwide interest from many large contractors, but most dropped out of consideration when they saw the terrain first hand. After an arduous bidding process, a set of specialized contractors were selected and set a new standard for this type of work in the area.

Square Peg in a Round Hole....

The *relocation* (to the existing roadway) and the *conversion* (existing overhead powerlines to underground) didn't fit the standard environment permitting template for several local and state agencies. After many meetings with the governing agencies, the Spokane County Planning Dept. and Spokane Public Works Environmental Programs took the lead in bringing all the entities together to finalize the required permits in time for construction season.

The End Result...

With many of the distribution circuits remaining overhead, "neighborhood" outages are still expected, however with 70,000' feet of new high capacity cable in conduit forming a dependable "backbone ring" around the lake, a marked increase in area reliability is anticipated with the old "dark-lake" outages becoming a thing of the past.

Inland Power would like to thank the Spokane County Environmental Programs Department and especially the Newman Lake Community for coming together to make this project a success!



Newman Lake Fire Auxiliary *Active Since 1950*

Clean Green Drop Off Sponsored by Newman Lake Fire & Rescue

Saturday, April 21st, (Newman Lake Clean Up Day).

FREE yard debris drop off between 8 am and noon.

At the old fire station, 10236 W Newman Lake Dr.

Not accepted: branches over 3"x6', soil, root balls, lumber, trash or commercial loads. We are happy to give the community this opportunity to clean up property, making us all safer for summer fire season.

Newman Lake Cleanup Day Blood Drive

April 21st

At the old fire station, 10236 W Newman Lake Dr.

For appointment call: Linda Rivers (509) 991-7106.

2018 marks the 60th Anniversary of Newman Lake Fire & Rescue!

We are looking forward to celebrating this milestone. Be watching for news about a community event to celebrate this event.

Save these future Dates!

Saturday, June 30th: Hot Dog and T Shirt Sale

Saturday, December 1st, Santa's Breakfast.

In addition to an affordable pancake breakfast, and pictures with Santa, kids have a chance to shop for their family. No gift is over \$3, and Auxiliary members help the kids wrap their gifts so they can keep them secret until the big day.

January Blood Drive

The Newman Lake Community always turns out for these; the Blood Mobile loves coming to see us. Our blood drive on January 6th 2018 netted 19 donations, especially important during the winter months when supplies are low.

Did you know?

The Auxiliary sponsors NLFR family members' attendance at the Annual Safety and Service Awards Dinner in April. Fire District funds can only be used for the firefighters themselves.

Thanks to the Newman Lake Community, families can also participate in this recognition event.

We have been working with NLFR to prioritize added equipment that we could purchase with Auxiliary Funds to enhance the Fire District's ability to serve our community. Be looking for news about what we have purchased. Our funds come from our generous community's response to our fundraisers. We will make sure you know how those funds are spent.

We have recently conducted a survey of active and inactive Auxiliary members, looking for ideas for improvement and exciting ways to move forward with our mission of supporting NLFR. Thank you to all who participated.

Come join us!

The Fire Auxiliary meets on the 1st Monday of every month at 6:30 pm.

Location: Fire Station #1 (9324 N Starr Rd).

Facebook: Newman-Lake-Fire-Auxiliary

Questions call: Kelli Lemley, (509) 990-8797.

Newman Lake Flood Control Zone District

Spokane County Public Works
1026 W. Broadway Ave.
Spokane, WA 99260

Advisory Board

The NLFCZD currently has an opening for Voting Position #4, which will expire January 1, 2022. Two Alternate (Non-Voting) positions are also open, one for Alternate (Non-Voting) position #2, and one for Alternate (Non-voting) position #3. We are taking applications until April 20, 2018. The Advisory Board positions normally have a 4-year term, and it is the policy of the NLFCZD to keep the positions as diverse as possible. Meetings are held about four times per year, or as required by District activities. If you are interested or would like more information, please contact Colleen Little at CLittle@spokanecounty.org or 509-477-7241 or visit www.nlfczd.org for an application.

Position	Name	Term Expiring*	Represents
Position 1 (Voting).....	Lee Tate	2021	Agriculture & Forestry
Position 2 (Voting).....	Dennis Rewinkel	2022	Year-Round / Lakefront
Position 3 (Voting).....	Karen Stebbins.....	2020	Year-Round / Lakefront
Position 4 (Voting).....	Open Position	2022	Seasonal Resident
Position 5 (Voting).....	Suzanne O'Connell	2021	Open Classification
Alternate 1 (Non-Voting).....	Karen Lee Taff	2022	Year-Round / Lakefront
Alternate 2 (Non-Voting).....	Open Position	2021	Open Classification
Alternate 3 (Non-Voting).....	Open Position	2020	Open Classification

* Expires January 1st of the designated year