



APRIL 23 - ROAD SIDE CLEAN UP | CLEAN GREEN DROP OFF | BLOOD DRIVE | BBQ

Newman Lake Clean Up Day - a Community Effort

by Karen Stebbins

On April 23rd, Newman Lake's annual Newman Lake Property Owners Association Spring Clean Up Day, you'll find out there is more involved than roadside trash pickup.

This year's clean up day includes clean green yard and garden debris drop off, a blood drive with the INWBC mobile unit, roadside trash pickup and a community hot dog BBQ.

We've also centralized the location for everything happening that day to the old fire station on West Newman Lake Drive.

Event Details

Location NEW THIS YEAR:
10236 N. West Newman Lake Drive. The old Fire Station #1

Road Side Clean Up:
8-9am - pick up gloves, bags and your assigned stretch of road to clean up. After picking up trash, bring it back to the location and then join us for lunch!

Blood Drive:
9am-1pm – Blood Mobile on site for donations. Stop by during this time or make appointment with Linda Rivers 991-7106 . Sponsored by the NL Fire Auxiliary.

Clean Green Drop Off:
10am-3pm – Clean green yard/garden debris drop off, sponsored by the NL Fire Dept. NOT accepted: branches over 3"x6' in size, stumps, root balls, soil, lumber, trash or commercial loads.

Spokane County was unable to fund the effort this year due to budget so the Newman Lake Fire Department stepped in to fund the effort for our NL community.

Community Hotdog BBQ:
11am-1pm –BBQ sponsored by the NL Property Owners Association, bring a dessert to contribute if you can.

Questions:
Call Karen Stebbins 509-869-0344 or email karen@vision-marketing.net



Clean Green Drop Off
Free drop off for your residential yard & garden (natural) debris. From 10am – 3pm. NOT ACCEPTED: Branches over 3"x6' in size, stumps, rootballs, soil, lumber, trash or commercial loads. Event will end at 3pm or earlier if containers have reached capacity. Sponsored by Newman Lake Fire & Rescue.



Fire Auxiliary Blood Drive
Stop by between 9am – 1pm to donate blood. Better yet - make an appointment with Linda Rivers 991-7106.

NL Events

April 4th – **NL Fire Auxiliary Meeting** – 6PM
at new fire station. First Monday of every month

April 6th – **Tri-Community Grange Potluck (6pm) & Meeting (7pm)** First Wednesday of every month (July & August-no mtgs)

April 9th – **Dedication McKenzie Conservation Area Addition** – 10AM

April 15th – **NL Tri-Community Grange Spaghetti Feed** 4-7PM

April 16th – **McKenzie Trail Work** – 9AM

April 23rd – **NL Clean Up Day**

June 29th – **NLPOA Annual Meeting & Ice Cream Social**. 6:30-8:30PM

July 2nd – **NL Fire Auxiliary T-Shirt & Hotdog Sale**. 9AM-4PM at the New NL Fire & Rescue Station

July 13th – **NL Flood Control Zone District Annual Public Summer Meeting**, Tri-Community Grange, 6:30-8:30PM

July 23rd – **NL 25K run & pancake breakfast**. Bloomsday Road Runners Club



McKenzie Conservation Area | Ken Vanden Heuvel

August 20th – **NL Bass Tournament** (night tournament) SpokaneBassClub.com

NEWMAN LAKE PROPERTY OWNERS SUMMER MEETING/ICE CREAM SOCIAL

SAVE THE DATE! JUNE 29th, 6:30-8:30PM for the NLPOA annual meeting and new this year, ice cream social and a meet and greet with Commissioner McLaughlin.

Check the Facebook page: [NewmanLakeWA](#)

Contact Karen Stebbins for more information 869-0344 or karen@vision-marketing.net

NLPOA MISSION STATEMENT

Newman Lake Property Owners Association is a volunteer organization promoting the continued improvement of water quality, protection of the watershed, and enhancement of the quality of life at Newman Lake through education, leadership and community involvement of current and future generations



Photos taken by James Goerz, University of Montana



Washington Moose Study Update

Information provided by Jared Oyster, WDFW Moose Biologist

Moose (*Alces alces*) seem to be declining throughout much of their southern range in the United States, with the Washington moose population being an exception to that trend. The Washington Department of Fish and Wildlife began a moose study in December 2013 and currently has 41 collared female moose that are monitored year round. The moose are split into 2 studies areas: the northern study area (centered around 49 Degrees North) and the southern study area (centered around Mt. Spokane), which includes the Newman Lake watershed. There are 19 collared moose in the southern study area. The average age of these collared moose is between 6 and 7 years old and average home ranges encompass about 3 square miles.

In the summer, almost half of their diet is comprised of the twigs and leaves of willow trees, but will also munch on clover and other herbaceous plants. In the winter, they continue to eat willow twigs but with the absence of leaves, almost half of their diet switches to western hemlock and other conifer trees. Since the beginning of the study, 6 adult moose have died in the southern study area: 3 from legal hunter harvest and 3 from unknown natural causes (e.g. malnutrition, parasites, accident etc.). To date, calf survival in the southern study area continues to be high in 2015-2016, at an estimated 75%. We will continue to monitor the collared moose and their calves throughout 2016 and into 2017.

Tri Community Grange 1008 - a Renewed Resource for the Community

by Staci Lehman



The Tri Community Grange 1008 has been a tradition in the Newman Lake community since at least the 1930s, although the current Grange hall (a block north of Trent off Starr Road) was built in the 1960s. In 2014, that tradition almost came to an end.

With many grange members being elderly, and several dying, there were not enough people to fill officer positions and members couldn't physically hold the fundraisers they had in the past to keep the hall open. An emergency call for new, younger members was put out and today local Grange officers are happy to report that there is a renewed interest in the Grange and many new members.

The membership drive was very successful and doubled the number of previous Tri Community Grange members. Of the many new members, several are even in their 30s, 40s or 50s.

The new faces also bring some diverse new ideas with them and a lot of energy. The Grange now has a Facebook page (<https://www.facebook.com/TriCommunityGrange>), a new "Breakfast with Santa" fundraising event that was a big success, recent pancake and spaghetti feeds have had huge turnouts, and there are several more new events in the planning stages.

Due to an increase in advertising and visibility, there has also been a big increase area organizations and groups renting the Grange hall out for their own events.

This renewed community involvement has brought in a lot more money for the grange the past couple years. While 1008's finances

were in the red a couple years ago due to maintenance and other issues that had to be paid for, it now has a healthy bank account that is being used to benefit the community. At a recent meeting, Grange members even voted to donate \$600 to Boy Scout Troop 490 to send two boys to camp when other funding possibilities fell through for the troop.

There is always room for more though. If you would like to join the Tri Community Grange 1008, contact Eileen Weyrauch at 953-7148 or thebeachforme@comcast.net.

Check Out Your Local Grange

You can also support the Tri Community 1008 Grange by attending the annual spaghetti feeds (the next one is Friday, April 15 starting at 4 p.m.), breakfasts and other events.

If you have an event of your own you would like to hold, you can rent hall for very reasonable rates. Call 509-926-2517 for information and rates.



GOOD INFORMATION TO KNOW

Candace Bennett
Wildlife Conflict Specialist
(moose on your property or cougar sighting)
509.844.2404
Candace.bennett@dfw.wa.gov

Karin Divens
Habitat Biologist
(responsible for the Newman Lake habitat)
509.892.1001 ext 323
Karin.devins@dfw.wa.gov

Washington Department of Fish and Wildlife
2315 N Discovery Place
Spokane Valley, WA 99260
(509) 892-1001

David Jensen
Newman Lake Neighborhood Specialist
Spokane County Neighborhood Compliance
(land use complaints)
509.477.7122

VOLUNTEERS NEEDED FOR NL PUBLIC ACCESS & BOAT LAUNCH CLEANUP

May 23, Memorial Day through September 4, Labor Day.

Looking for volunteers to keep our public launch clean of trash. We are asking for a two-week time commitment. Most of the time that entails once a week but during holiday weeks it may require twice a week. The launch area and the parking lot across the road are the areas we clean. Cleaning the bathroom is NOT part of the job!

For sign-up information, contact Lorne or Wendy Burley at 226-0616

15th Annual Lakes Conference

by Lorne Burley

The 15th Annual Regional Lakes Conference was held on February 6, 2016 at Spokane Community College. Approximately 150 people were in attendance, representing most of the area lakes, State and local Agencies, lake consultants, water treatment and control companies.

Jeremy Jenkins, Liberty Lake Sewer and Water District, opened the Conference and is also the president-elect of WALPA (Washington Lakes Protection Association) and let us know that the 2016 WALPA Conference will be held in Spokane.

Dave Stasney, Community Colleges of Spokane (CCS) Water Resources Department, gave a brief overview. There will be a major emphasis of increased involvement and partnering with agencies, property owners and lake associations on water quality monitoring projects with greater student involvement. One of the exciting aspects will be the use of drone technology to collect real time data measurements in order to speed up research results.

Darren Brandt, Advanced Eco-Solutions Inc., presented his topic of "Blue-Green Algae Blooms in Idaho During 2015 and Implications for Future Management Efforts".

Darren described that blue-green algae are actually bacteria and are present in all water bodies. Last year in Idaho, many lakes experienced longer and more severe blue-green algae blooms, mainly due to the hotter and drier weather conditions. It should be quite interesting to see what happens with our regional lakes in 2016 as compared to 2015, depending on the weather.

Kristin Larson and Robert Steed, Idaho Department of Environmental Quality (DEQ), presented their topic of "Understanding the Efficacy of Floating Treatment Wetlands on Hayden Lake".

DEQ in conjunction with North Idaho College and the Hayden Sewer District has recently undertaken a research project on Hayden Lake with floating treatment wetlands to determine if they are effective in removing phosphorus from an open water body.

Each floating wetland is approximately 25 square feet in area, 200 pounds and is constructed with a floating plastic base, an organic sub-base, a soil planting layer and three types of plantings. The researchers determined that they were unable to measure any meaningful decrease in phosphorus levels at the test sites. Due to the external issues affecting the project and the difficulty of actually taking data measurements, it appears that these floating wetlands will not be a viable solution for lowering total phosphorus levels in an open lake setting.

Dave Kluttz, Lakeland Restoration Services, presented his topic of "Herbicide Strategies for Aquatic and Riparian Projects".

Dave emphasized that "restoration biology" consists of measures taken to upgrade existing conditions of an environment. Original conditions, even if determined, will probably never be realized with treatment methods that must be utilized and costs that must be considered in today's real world.

Shannon Brattebo, Tetra Tech, Inc., presented her topic of "Effectiveness of Alum in a Hypereutrophic Lake with Substantial Non-Point Phosphorus Input".

Lake Ketchum is a shallow, 26 acre lake in western Washington with extreme stratification and off-the-chart phosphorus levels and algae blooms that made it unusable for recreation. The major problem is that this lake had received runoff for years from a former dairy farm on the property. The runoff has since been abated as the main

external pollution source. Restoration studies and analysis determined that about 99% of the phosphorus loading is internal recycling in the bottom sediments. A lake restoration plan was developed with whole lake aerial alum treatments as the priority action. The results were quite dramatic for overall phosphorus reduction and water quality improvements.

Tom Woolf, Idaho Department of Agriculture, presented information on *invasive species*, i.e. snails, zebra/quagga mussels, and plants.

Idaho now has 16 boat inspection stations where they have identified over 145 boats fouled by the mussels from 2009 through 2015. Idaho requires an invasive species sticker on boats launching into their lakes.

Tom discussed a newer hybrid milfoil which is a breed of Eurasian and Northern milfoil combined and is very difficult to kill with standard treatment chemicals. Hayden Lake currently has this newer type of milfoil. All regional lakes need to periodically sample milfoil plants to determine if this new species is present and adjust their treatment programs.

Meghan Lunney, Avista Utilities, presented "Regional Implementation Efforts".

Meghan reviewed the extent of hydroelectric dams on the Spokane River and outlined some of what is required by the utility in order to fulfill the many requirements set forth in the re-permitting process in both Idaho and Washington.

Jim Ekins, University of Idaho - Extension, wrapped up the presentations with a quick overview of available water extension programs through the U of I - Extension.

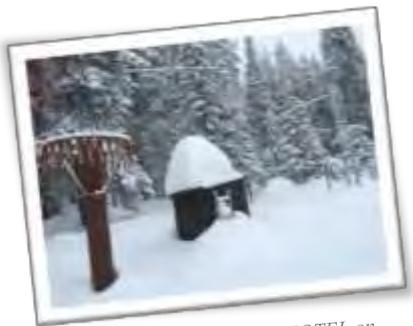
What did we learn at this informative conference? The most important thing that we all learned is that most of our regional lakes have similar types of problems to contend with and that ongoing efforts will always be necessary to maintain good water quality.

Newman Lake Flood Control District (NLFCZD) News Update

Information provided by Jerry LeGrand & County staff

Lake Level

Staff is continuing to monitor the lake level and snow pack and operating the gates accordingly to account for the anticipated runoff.



Above: Quartz Peak SNOTEL on January 31, 2016.

Snow Pack

At the request of NRCS staff, Spokane County staff measured the snow at the three Newman Lake snow courses on January 29th and 31st for the February 1st reporting period. Thompson Creek (elevation 2500') and Ragged Ridge (elevation 3250') were 85%-91% of average, respectively. Round Top snow course (elevation 4020') was 138% of average. These averages include all previous years' data. On February 1st the Quartz Peak SNOTEL site had 58 inches of snow with 19.9 inches of snow water equivalent. Current and historical snow level reports can be found on the Natural Resources Conservation Service website at www.wa.nrcs.usda.gov/snow

Milfoil

The NLFCZD applied for another Invasive Species Control grant through Ecology and Karen Kruger worked diligently and creatively to pull together a new grant application by the November 15th deadline. We just received notice that Ecology fulfilled half of our request and will support the control of Eurasian water milfoil in Newman Lake with grant funding of \$25,000 for the next two years despite funding several previous grants. The grant focuses on demonstrating and educating the Newman

Lake shoreline residents on the use and availability of alternative control measures such as diver suction weeding and benthic mat placement. A spring/early summer milfoil survey will be conducted to complete the milfoil mapping from last year, and to determine the best locations for all milfoil control methods.

Oxygenator/Alum System Equipment Update

A new oxygen generator unit, receiver tank, piping, and compressor building doors will be installed at the compressor building and completed by the end of March. To accommodate the changes, the alum system will also be re-piped and relocated to the containment area located outside of the compressor building. This work is anticipated to be completed by mid-April.

DEDICATION PLANNED FOR MCKENZIE CONSERVATION AREA ADDITION

A pond, a meadow, local history and beautiful trees make the new 41 acre addition to McKenzie Conservation Area an exciting place.

The public is invited to a Dedication Ceremony for this special piece of land that was recently acquired by Spokane County Parks and Recreation using Conservation Futures Funds. The Dedication will be Saturday, April 9th at 10 AM.

The ceremony will be held at the new property. There will be speakers, light refreshments followed by an optional hike around the property.

Speakers will include some of the people that made the acquisition happen: Kris Pettibone—the former owner, Chris DeForest—the Conservation Director at Inland Northwest Land Conservancy, Paul Knowles—Park Planner at Spokane County Parks and Recreation, Doug Chase—Director of Spokane County Parks and Recreation, Nancy McLaughlin -- newly appointed County Commissioner for District 1 and Ken Vanden Heuvel—Volunteer Trail Planner for McKenzie Conservation Area.

Parking will be at the trailhead parking lot for McKenzie Conservation Area on West Newman Lake Rd. in Newman Lake. You can then walk the short distance up West Newman Lake Rd. to the new property. There will be people and signage to help you find your way.

Directions:

From I-90: Take the Liberty Lake exit #296 and go north on Harvard Rd. to Trent Ave. Turn right on Trent Ave. Turn left on Starr Rd., drive for 3 miles. Turn right at the "Y" on Hauser Lake Rd., drive about ½ mile. Turn left on Muzzy Rd. drive 4.5 miles (Muzzy Rd. turns into West Newman Lake Rd.) McKenzie Conservation Area is on the left side where you will see a large parking area

VOLUNTEERS NEEDED FOR MCKENZIE TRAIL WORK APRIL 16

Volunteers are being sought to help maintain trails in the McKenzie Conservation Area on Saturday, April 16. This past winter's storms brought down a lot of trees, so lots of work is needed to open the trails. We will meet at the parking lot at 9 a.m., and finish by 1 p.m. Wear boots and long pants and bring gloves and water, and maybe a snack. Also, bring pruners, long-handled loppers, pruning saws, or other appropriate tools if you have them.

This is a good chance to become more familiar with the McKenzie trails and meet other people who enjoy hiking there. The McKenzie Conservation Area is located on the north end of Newman Lake, about a half mile west of the Thompson Creek bridge. Originally 421 acres, it was expanded last year with the addition of 41 more acres, and now totals 462 acres

For more information about the trail work day, call 448-4311 or email to anewsseoul@yahoo.com.

Great Turnout for the Dedication of Newman Lake Fire & Rescue's New Station

by Deb Davis

On March 19th, a beautifully sunny day, a crowd of between 250 and 300 people attended the Dedication of Newman Lake Fire and Rescue's New Station #1. In addition to community members, there were former NLFR volunteers; the family of former Chief Bud Clow; former Deputy Chief Eno Katterfeld and his wife Christa; members of Hauser Lake Fire, including



Participants in the uncoupling included Fire Commissioners Bob Neu, Kathleen Small, and Eileen Weyrauch; Chief Yamane, Deputy Chief Toni Halloran, Captain Kim Stanley, and NLFR Volunteers; Members of the Fire Auxiliary, SCOPE, and the Bond Citizen's Committee. After the hose was uncoupled, community members entered the new station where they were treated to a cake in the shape of a fire engine and other snacks. And, most anticipated – tours of the beautiful new station.



Chief Larry Sims; District 9 Commissioner Mike Atwood and wife Dani; District 9 Commissioner Tom McGarry who is president of the Spokane County Fire Commissioners Association; and Jim McAdam, Principal of East Valley High School.

Festivities began with rousing music from East Valley High School's Band, presentation of the flag by Scout Troop 490 color guard, and an invocation by Bob Kolva, Sr Firefighter.



Chief Keith Yamane's remarks were full of praise and appreciation for the support of the Newman Lake Community and the volunteer groups that helped make the station a reality. Rather than a ribbon cutting, there was a ceremonial uncoupling of a fire hose.



The Newman Lake Fire Auxiliary was proud to provide the refreshments and decorations for the event, from the funds contributed by the community at various fundraisers. Thank you, Newman Lake, for your continued support!



OUTDOOR BURNING INFO

Call for current status: DNR 1-800-323-BURN, AND Spokane Clean Air 477-4710.

Burning is allowed without a permit if you have a small burn pile and follow the rules posted at the following url:

http://file.dnr.wa.gov/publications/rp_burn_need_burn_permit.pdf

If any of these rules cannot be met, you will need a Burn Permit from DNR.

NEWMANLAKEWA.COM

Visit www.NewmanLakeWA.com for the latest information about Newman Lake.

If you have any events, photos or items of information you want to see on the site email karen@vision-marketing.net



Do you have your education card/operating license? Current law states that every watercraft operator, 12 yrs and older, operating a motorboat 15hp or more must be in possession of one. And all operators of personal watercraft must be 14yrs or older.

CONNECT WITH YOUR NEIGHBORS USING NEXTDOOR.COM OR THE APP

Nextdoor is a Newman Lake-based social network meant to connect neighbors. By signing up and giving your location, you're placed in a "neighborhood" of users who live in your immediate vicinity. Its intended uses, are to borrow a ladder or find a babysitter or a lost dog, report crime activity in the area, etc. Sign up now and connect with your Newman Lake and Otho Orchard neighbors at NextDoor.com

Warren Heylman Still Working at 93

by Craig Aldworth



This spring and summer we should take a minute to thank one of our neighbors whose thousands of hours of volunteer work, at a critical time, gave us the lake we enjoy swimming and fishing on today. In the late 1970's water quality in Newman Lake deteriorated drastically. Algae blooms were increasing in intensity and duration. People hesitated stepping into the green scum on the water. Property values stagnated. Newman Lake residents and users organized to find out what was causing the problem and to find a solution. Leading this campaign was Warren Heylman, longtime summer resident and Spokane Architect.

When the Lake's water quality problems were found to be the result of phosphorus overload from watershed runoff and recycling of in-lake sediments, Warren searched for a solution suitable to Newman Lake's unique setting. The multi-faceted solution - an alum treatment to bind up phosphorus in the water column and cap sediments to reduce nutrient recycling; a hypolimnetic aeration system to increase oxygen in lower lake levels and thereby reduce nutrient recycling and improve fish habitat; and a watershed management plan to reduce sediment/nutrient loading - was comprehensive, experimental and unfunded.

In 1988, Warren helped define a project that included an alum treatment and construction of the aerator system. He worked with the

County and DOE to prepare a grant application for the project, but did not stop there.

He repeatedly met with the Spokane County Commissioners and the County Engineer to secure support for \$214,019 in matching funds for the Newman Lake project. He led the campaign to obtain the DOE grant by writing and meeting with the critical members of the State legislature to support the project. The odds of funding an experimental project for a small lake somewhere near the Idaho border were not good. Grant funds usually are awarded to projects that benefit the most constituents with the biggest political clout. However, Warren gained enough political support that DOE awarded a \$645,057 grant to fund the Newman Lake Phase II project instead of funding other projects such as a Green Lake Restoration project in Seattle.

At this stage most people would consider they had volunteered enough time and done enough. But this is where we owe our biggest debt to Warren. He became the de facto project manager for the grant. When he saw the project failing to keep to the original timeline, he cajoled and badgered everyone involved to overcome each delaying hurdle. To save time and money, he drew up the aerator house plans and furnished material. The project was finally completed in 1992, almost two years later than expected.

And then, amazingly, year by year, the frequency of algae blooms decreased and now we read about them on other lakes. Lately, the July water clarity allows us to see the dock anchors in over ten feet of water. We can hear the kids playing in the water.

Thanks, Warren

TO REPORT AN ALGAE BLOOM

Karen Kruger
Water Resources Technician
Spokane County Engineers
Newman Lake Flood Control Zone District

(509) 477-7262
KKruger@spokanecounty.org

A LITTLE HISTORY - ALGAE BLOOMS



Prior to the installation of the oxygenator and alum treatments in Newman Lake, toxic algae blooms were a frequent occurrence in Newman Lake. Samples taken in 1989, prior to the initial alum treatment, contained 160 million cubic micrometers of blue-green algae strains per cubic meter of lake water. The lake was the color of pea soup and had floating scum. The recorded algae concentrations were over 20 times the current levels that the Washington Department of Health has set as safe for recreational lake use!

The aerator equipment and alum treatments have limited algae growth in the past by managing oxygen and nutrient levels. Current sampling by WSU researchers find blue green algae concentrations at less than a hundredth of the 1980 levels. Also, the percentage of blue green algae has decreased substantially.

However, in the future, hot summer weather, like we experienced in the summer of 2015 will increase the chances of bloom formation.

Take the following precautions if an advisory is in effect:

Avoid exposure to water experiencing a harmful algal bloom.

Take extra precautions to ensure children, pets, and livestock are not exposed to the water.

Do not consume water with a blue-green algae bloom. Neither boiling nor disinfecting removes blue-green algae toxins from water.

If fish are known to have been exposed to a blue-green algae bloom, only consume the fillet portion (remove the fat, organs, and skin). Wash hands after handling. The risk associated with consuming fish caught in waters with a blue-green algae bloom is unknown.

Become a Member

Newman Lake Property Owners Association is a volunteer organization promoting the continued improvement of water quality, protection of the watershed, and enhancement of the quality of life at Newman Lake through education, leadership and community involvement of current and future generations.

Activities include: Annual Clean Up Day, NLPOA Newsletter, Summer annual meeting/gathering, Water Quality Testing and other activities.

All persons who are property owners within the Newman Lake community are eligible as members (voting) as well as non-property owners supporting the objectives of the NLPOA (non-voting)

Become a member:

\$10 annual dues

*membership runs from annual meeting to annual meeting (June)

*1 vote per membership

Fill out the form and mail with \$10 to:

NLPOA
PO Box 83
Newman Lake, WA 99025

Board Members:

President: Karen Stebbins (18)	869-0344
VP: Jerry Le Grand (18)	909-949-1945
Secretary: Staci Lehman (16)	230-2812
Treasurer: Bob Takai (17)	226-0294
Lorne Burley (17)	226-0616
Linda Underwood (16)	226-0775
Kelli Lemley (17)	990-8797
Eileen Weyrauch (18)	953-7148
Craig Aldworth (16)	747-0100

* (16,17,18) Denotes term expiration

NLPOA Membership Application

First Name: _____

Last Name: _____

Mailing Address: _____

NL Address (if different):

Email: _____

Phone: _____

Interests:

- Clean Up Day
 Annual Meeting
 Website
 Newsletter
 Membership
 Volunteers
 Other _____

NLPOA
newsletter

PO Box 83
Newman Lake, WA 99025

[Addressee]
[Street Address]
[City, ST ZIP Code]