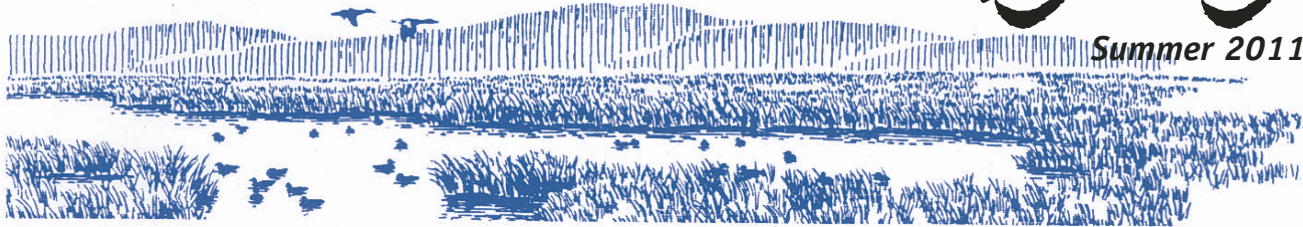


# The Flyway

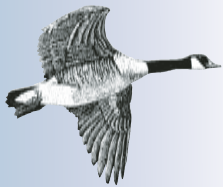
Summer 2011



Quarterly newsletter of Nisqually and Grays Harbor National Wildlife Refuges

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**Save the Date!**  
**Nisqually Watershed Festival will be held Saturday, September 24 at Nisqually NWR.**

## Restoration Monitoring: Tidal Marsh Development

**Ed. note:** In our Fall 2010 issue, we published the article "Restoration Monitoring: Salmon in the Sloughs" about Chinook Salmon monitoring. This article, which focuses on vegetation monitoring, serves as the second installment in an ongoing series.

The removal of the Brown Farm Dike in Fall 2009 reconnected 762 acres to the Nisqually River Estuary. This land, which had been cut off from the estuary for more than 100 years, has now been converted back to estuarine habitat. Estuarine habitat includes tidal marshes, channels, open water, aquatic beds and unconsolidated shoreline. These complex systems attract a diversity of wildlife species and provide habitat for migrating waterbirds, waterfowl, shorebirds, raptors, and salmon.

In order to determine what types of habitats are developing and if estuary-scale ecological processes have been restored the USGS Western Ecological Research Center is conducting multiple vegetation surveys throughout the estuary focused on tidal marsh plant

communities. Annual surveys are conducted at four research sites. These sites include the Refuge restoration area (restored in 2009), two Nisqually Indian Tribe restoration sites (restored in 2002 and 2006), and a control marsh (never diked). By including a control marsh and restoration sites in various stages of development, we can look at habitat development trajectories within the estuary. Vegetation surveys are conducted during the summer months (July – September) when vegetative cover is at its

maximum. The first survey was completed prior to dike removal in 2009, the second post-dike removal survey was in 2010, and surveys will be conducted again this July. Vegetation surveys use a combination

of point intercepts, quadrats, and circular habitat and land use plots to best characterize community composition and structure across physical gradients such as soil salinity and elevation.



Nisqually National Wildlife Refuge volunteers Enid Larson and Jan Wieser help with 2010 vegetation surveys at the Nisqually Indian Tribe Phase II restoration site. Photo by K. Turner (USGS WERC).

**The Refuge restoration site is in transition from a freshwater to estuarine habitat.**

Continued on page 3

# Conservation Planning Begins for Grays Harbor NWR and the Black River Unit

Nisqually National Wildlife Refuge Complex held two public open houses in May as part of the initiation of a planning process to develop Comprehensive Conservation Plans (CCP) for Grays Harbor National Wildlife Refuge and the Black River Unit of Nisqually NWR. The CCPs will guide management of these Refuges over the next 15 years and they provide new opportunities to evaluate habitat management and public programs from fresh perspectives. Refuge purposes will remain the same as when the areas were set aside: to protect wildlife and provide opportunities for wildlife-dependent recreation consistent with wildlife needs. A Planning Update was released in May describing preliminary goals and issues to be considered and encouraging public comment.

Grays Harbor NWR is located in the northeast corner of the shallow, 94-square mile Grays Harbor estuary on the southwestern Washington coast near Hoquiam. It consists of approximately 1,500 acres of tidal water, intertidal mudflats, tidal salt

and brackish marshes, and upland forest. Grays Harbor estuary is one of four major staging areas for migrating shorebirds in North America and hosts one of the largest concentrations of shorebirds on the Pacific coast, south of Alaska.

## Your ideas and input are needed to provide a more complete and thoughtful process.

The Black River Unit is located five miles southwest of Olympia, Washington, and is managed as part of Nisqually NWR. The Black River Unit includes more than 1,300 acres in the northern half of the Black River, the most intact low lying river system remaining in western Washington. The Unit's diverse habitats include bog, emergent marsh, wet meadow, shrub swamp, riparian forest, fir hemlock forest, and dry meadow. The Unit contains spawning and important rearing habitat and migration corridors for steelhead and cutthroat trout and coho and Chinook salmon. At least 150 species of migratory birds, including waterfowl and neotropical songbirds, use the wetland and riparian habitats. The Refuge boundary encompasses three of the eight known remaining sites in Washington that support the Oregon spotted frog, a federal candidate species and State listed as endangered.

Public open house meetings were held on May 18th at the Port of Grays Harbor office in Aberdeen, and on May 19th at the Littlerock Elementary School southwest of Olympia. Forty-three attendees provided many comments and suggestions at the meetings, following a presentation about the planning process and information about each Refuge. A public comment period ended June 10th. All comments received will be considered in the development of draft goals, objectives, and alternatives.

Your ideas and input are needed to provide a more complete and thoughtful process. There will be future opportunities for people to participate in the development of these important plans. Draft plans are currently scheduled to be available for public comment in spring or summer 2012. For those interested in learning more, please visit the Refuge website or contact the Refuge by writing (Refuge Manager, Nisqually NWR Complex, 100 Brown Farm Rd, Olympia, WA, 98516) or calling at 360-753-9467 to be added to the mailing list to receive future Planning Updates. For more information, including the first Planning Update, see the Service's website at <http://www.fws.gov/pacific/planning>. ✨

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Fax: 360.534.9302

[www.fws.gov/nisqually](http://www.fws.gov/nisqually)

[www.fws.gov/graysharbor](http://www.fws.gov/graysharbor)

Volume 4, Number 2

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Lee Miller

*Save trees, think green*

To receive *The Flyway*  
electronically, email  
[nisqually@fws.gov](mailto:nisqually@fws.gov)

## Two New Employees Join Refuge Staff

We are very pleased to welcome two people to the Nisqually NWR Complex staff. *Michael Schramm* is the new Visitor Services Assistant and will be responsible for the Refuge Visitor Center, volunteer program, and interpre-

tive program. Michael has spent the past six years working as a Park Ranger at Grand Canyon National Park. Prior to that he spent two years in the Peace Corps in Kazakhstan, worked in private business and through-hiked both the Appalachian and the Pacific Crest Trails. Michael's past work experience and broad interests will be a great asset to the Visitor Services program. His interests include music, birding, and raising two young boys with his wife.

*Continued on page 9*

# Restoration Monitoring: Vegetation

From page 1

Tidal marshes are inundated with salt water on a daily basis, and as a result, tidal marsh plant species have had to adapt to tolerate these harsh conditions. Different tidal marsh species have different tolerance levels to soil salinity and inundation times (directly related to elevation). Some species, such as Lyngby's sedge (*Carex lyngbei*), tolerate low to moderate soil salinity and can be found growing along channel edges near a freshwater source; whereas, gumweed (*Grindelia integrifolia*) grows in marshes with moderate to high soil salinities. In the Nisqually Delta, tidal marsh plants have been observed growing in a very narrow elevation range of approximately one meter. This range can be further divided into distinct low, medium and high marsh plant communities. Elevations below this range are typically comprised of mudflats supporting microalgae, seaweed and eelgrass beds (*Zostera spp.*). Currently, the Nisqually NWR restoration site includes areas with elevations to support all of these estuarine habitats from mudflats to high tidal marsh. Elevations, however, are not static and will change over time with sediment deposition and erosion, causing habitats to also change. By

measuring elevation and soil pore-water salinity at each vegetation survey site, we can better predict if and which types of plants may potentially colonize a particular area.

Results from these initial vegetation surveys show that in the first year since dike removal, the Refuge restoration site is in transition from a freshwater to estuarine habitat. Invasive reed canarygrass (*Phalaris arundinacea*), which dominated the Refuge landscape prior to



Pickleweed (*Sarcocornia pacifica*) detail



Pickleweed (*Sarcocornia pacifica*) and Patent saltbush (*Atriplex patens*) starting to colonize the Nisqually National Wildlife Refuge restoration site. Photo by J. Barham (US Fish and Wildlife Service, Nisqually NWR).

dike removal, has died back with the reintroduction of tidal waters. In our pre-restoration survey, we found that 62% of the permanent vegetation transects were covered

by invasive Reed canarygrass. This past summer, we detected less than 1% of reed canarygrass on those same transects. We have also observed tidal marsh plants, such as pickleweed (*Sarcocornia perennis*) and fat-hen saltbush (*Atriplex patula*) beginning to colonize the restoration site. In conjunction with aerial photography, remote sensing, and bathymetry surveys of bottom substrates, these on-the-ground plant surveys will provide information on species composition and condition over time.

In addition to annual surveys, we have also implemented projects with the Nisqually Indian Tribe, Nisqually NWR, USGS Patuxent Wildlife Research Center, and The Evergreen State College graduate students to study: the relationship between vegetation development and juvenile Chinook prey availability; timing and success of tidal marsh vegetation colonization in response to adaptive management techniques; differences between rapid and intensive survey methodologies; and the relationship between vegetation community type, elevation, and soil pore-water salinity. These monitoring and research efforts will allow us to determine whether further adjustment to the project are needed, and may also inform future decisions regarding additional restoration actions and their appropriate location and design.

For more information and updates about vegetation and other monitoring efforts in the Nisqually estuary, go to: [nisquallydeltarestoration.org](http://nisquallydeltarestoration.org).

# Summer Programs

## July

**Saturday, July 2**

### ***It's in Your Nature: Exploring the Wild***

**10am - 11:30am**

From bitterns to butterflies, chickadees to crabapples, the Refuge is home to many types of wildlife. Join naturalist Donna Snow on a nature walk that is sure to teach you something new about the creatures of the Refuge. Meet in the Visitor Center.

**Sunday, July 3**

### ***Flourishing Flowers***

**1pm - 3pm**

Summer is the perfect time to experience the refuge plant life is all its diversity! Come relish how wonderful Pacific Northwest summers are by joining Sally Vogel on a nature walk through the Refuge—all the while learning about plant identification, uses and other interesting facts. You only live once: Stop to smell the flowers! Meet in the Visitor Center.

**Saturday, July 9**

### ***Birds of a Feather: Take Flight on a Bird Walk***

**8:30am - 12 noon**

Experience the thrill of seeing a Peregrine Falcon (the world's fastest bird) or of hearing a woodpecker pecking away (up to 20 pecks per second)! Join birder Dave Richardson, an expert who knows the ins and outs of birding at Nisqually, for a bird walk full of the sights and sounds of one of the refuge's largest treasures (the birds!) Meet in the Visitor Center.

**Sunday, July 10**

### ***Flourishing Flowers***

**1pm - 3pm**

Summer is the perfect time to experience the refuge plant life is

all its diversity! Come relish how wonderful Pacific Northwest summers are by joining Sally Vogel on a nature walk through the Refuge—all the while learning about plant identification, uses and other interesting facts. You only live once: Stop to smell the flowers! Meet in the Visitor Center.

**Saturday, July 16**

### ***Birds of a Feather: It's Nesting Time!***

**8am - 10am**

Many species of birds, from the tiny Rufous Hummingbird to the majestic Bald Eagle nest on the Refuge. Join expert birder Phil Kelley, who knows the ins and outs of birding Nisqually, for a bird walk and see how many nesters you can find. Meet in the Visitor Center.

### ***The Photographer's Eye; The Basics of Outdoor Photography***

**10am - 12 noon**

Nature photography offers individuals the opportunity to develop their finer naturalist instincts and vision, and the beginner's eye is often the eye that sees most clearly. With this in mind, experienced refuge photographer John Whitehead offers guidance in technique and composition, with emphasis on learning to utilizing manual settings in order to more completely capture the image you want to capture. Meet at the Visitor Center.



**Sunday, July 17**

### ***The Nisqually and Medicine Creek: Where Nature, Culture and History Converge***

**1pm - 2:30pm**

Lynn Corliss leads you down history's winding path on this historic tour. Learn about the events surrounding the signing of

the Medicine Creek Treaty; explore how the Nisqually people came to the Nisqually delta and how their lives changed with the settlement of Europeans. This walk will also focus on the significant events that surrounded the signing of the Medicine Creek Treaty. Discover important things about the people who enjoyed this land before you did. Meet in the Visitor Center.

**Saturday, July 23**

### ***How to Keep a Wave on the Sand; Capturing the Outdoors in Photographs***

**10am - 1pm**

Come learn some basic and professional outdoor photography techniques and tips from writer and national photographer Greg Farley. Learn to take your camera off the "automatic" settings and onto the "manual" settings in just a couple of hours. Workshop participants will spend time inside learning camera operations, then head outside to apply what they've learned. Never again let nature's beauty escape your lens! Bring your camera (film, DSLR, or point and shoot), extra batteries and a sense of adventure! Meet in the Visitor Center auditorium.

### ***Birds of a Feather: Take Flight on a Bird Walk***

**10am - 12 noon**

Experience the thrill of seeing a Peregrine Falcon (the world's fastest bird) or of hearing a woodpecker pecking away (up to 20 pecks per second)! Join birder Eric Slagle, an expert who knows the ins and outs of birding at Nisqually, for a bird walk full of the sights and sounds of one of the refuge's largest treasures (the birds!) Meet in the Visitor Center.

**Sunday, July 24**

***It's in Your Nature:  
Exploring the Wild***

*10am - 11:30am*

From bitterns to butterflies, chickadees to crabapples, the Refuge is home to many types of wildlife. Join naturalist Donna Snow on a nature walk that is sure to teach you something new about the creatures of the Refuge. Meet in the Visitor Center.

**Tuesday, July 26**

***Nature Detectives:  
Looking for Clues to  
Animal Activities***

*10am - 11:30am*

Did you know that birds, animals and other wildlife leave all kinds of clues around the Refuge? Join Kay Townsend and i'ina van Lawick in a hunt for nests, birdsongs, tracks and other signs of animal activity. This trail walk is for children ages 6-12 with an accompanying adult.

**Saturday, July 30**

***It's in Your Nature:  
Exploring the Wild***

*10am - 12 noon*

From bitterns to butterflies, chickadees to crabapples, the Refuge is home to many types of wildlife. Join naturalist Art Pavey, on this nature walk that is sure to teach you something new about the creatures of the Refuge.

**Sunday, July 31**

***Nature Up Close;  
Introduction to Macro  
Nature Photography***

*10am - 12 noon*

Dew drops on flower petals; the eyes of insects. These details represent the oft overlooked true visual poetry of nature. Join refuge photographer John Whitehead for discussion, demonstration, and practice of up close nature photography. Meet in the Visitor Center.

**August**

**Saturday, August 6**

***The Photographer's  
Eye: The Basics of  
Outdoor Photography***

*10am - 12 noon*

Nature photography offers individuals the opportunity to develop their finer naturalist instincts and vision, and the beginner's eye is often the eye that sees most clearly. With this in mind, experienced refuge photographer John Whitehead offers guidance in technique and composition, with emphasis on learning to utilizing manual settings in order to more completely capture the image you want to capture. Meet at the Visitor Center.



**Sunday, August 7**

***Birds of a Feather:  
Take Flight on a Bird  
Walk***

*9:00am - 12 noon*

Experience the thrill of seeing a Peregrine Falcon (the world's fastest bird) or of hearing a woodpecker pecking away (up to 20 pecks per second)! Join birder Matt Pike, an expert who knows the ins and outs of birding at Nisqually, for a bird walk full of the sights and sounds of one of the refuge's largest treasures (the birds!) Meet in the Visitor Center.

**Saturday, August 13**

***Birds of a Feather:  
Take Flight on a Bird  
Walk***

*9:00am - 12 noon*

Experience the thrill of seeing a Peregrine Falcon (the world's fastest bird) or of hearing a woodpecker pecking away (up to 20 pecks per second)! Join birder Eric Slagle, an expert who knows the ins and outs of birding at Nisqually, for a bird walk full of the sights and sounds of one of the refuge's largest treasures (the birds!) Meet in the Visitor Center.

**Saturday, August 20**

***How to Keep a Wave  
on the Sand: Capturing  
the Outdoors in  
Photographs***

*10am - 1pm*

Come learn some basic and professional outdoor photography techniques and tips from writer and national photographer Greg Farley. Learn to take your camera off the "automatic" settings and onto the "manual" settings in just a couple of hours. Workshop participants will spend time inside learning camera operations, then head outside to apply what they've learned. Never again let nature's beauty escape your lens! Bring your camera (film, DSLR, or point and shoot), extra batteries and a sense of adventure! Meet in the Visitor Center auditorium.

**Sunday, August 21**

***Birds of a Feather:  
Take Flight on a Bird  
Walk***

*9:00am - 12 noon*

Experience the thrill of seeing a Peregrine Falcon (the world's fastest bird) or of hearing a woodpecker pecking away (up to 20 pecks per second)! Join birder Matt Pike, an expert who knows the ins and outs of birding at Nisqually, for a bird walk full of the sights and sounds of one of the refuge's largest treasures (the birds!) Meet in the Visitor Center.

**Tuesday, August 23**

***Nature Detectives:  
Looking for Clues to  
Animal Activities***

*10am - 11:30am*

Did you know that birds, animals and other wildlife leave all kinds of clues around the Refuge? Join Kay Townsend and i'ina van Lawick in a hunt for nests, birdsongs, tracks

*Continued on page 6*

# Summer Programs (continued)

(Continued from previous page)  
and other signs of animal activity.  
This trail walk is for children ages  
6-12 with an accompanying adult.

**Saturday, August 27**

## ***Birds of a Feather: It's Nesting Time!***

**8am – 10am**

Many species of birds, from the tiny Rufous Hummingbird to the majestic Bald Eagle nest on the Refuge. Join expert birder Phil Kelley, who knows the ins and outs of birding Nisqually, for a bird walk and see how many nesters you can find. Meet in the Visitor Center.

## ***It's in Your Nature: Exploring the Wild***

**10am – 12 noon**

From bitterns to butterflies, chickadees to crabapples, the Refuge is home to many types of wildlife. Join naturalist Art Pavey, on this nature walk that is sure to teach you something new about the creatures of the Refuge.

## **September**

**Saturday, September 3**

## ***Birds of a Feather: Take Flight on a Bird Walk***

**8:30am – 12 noon**

Experience the thrill of seeing a Peregrine Falcon (the world's fastest bird) or of hearing a woodpecker pecking away (up to 20 pecks per second)! Join birder Dave Richardson, an expert who knows the ins and outs of birding at Nisqually, for a bird walk full of the sights and sounds of one of the refuge's largest treasures (the birds!) Meet in the Visitor Center.

**Sunday, September 4**

## ***Birds of a Feather: Take Flight on a Bird Walk***

**9:00am – 12 noon**

Experience the thrill of seeing a Peregrine Falcon (the world's fastest bird) or of hearing a woodpecker pecking away (up to 20 pecks per second)! Join birder Matt Pike, an expert who knows the ins and outs of birding at Nisqually, for a bird walk full of the sights and sounds of one of the refuge's largest treasures (the birds!) Meet in the Visitor Center.

**Saturday, September 10**

## ***Nature Up Close; Introduction to Macro Nature Photography***

**10am – 12 noon**

Dew drops on flower petals; the eyes of insects. These details represent the oft overlooked true visual poetry of nature. Join refuge photographer John Whitehead for discussion, demonstration, and practice of up close nature photography. Meet in the Visitor Center.

**Sunday, September 11**

## ***The Nisqually and Medicine Creek: Where Nature, Culture, and History Converge***

**1pm – 2:30pm**

Lynn Corliss leads you down history's winding path on this historic tour. Learn about the events surrounding the signing of the Medicine Creek Treaty; explore how the Nisqually people came to the Nisqually delta and how their

lives changed with the settlement of Europeans. This walk will also focus on the significant events that surrounded the signing of the Medicine Creek Treaty. Discover important things about the people who enjoyed this land before you did. Meet in the Visitor Center.

**Saturday, September 17**

## ***How to Keep a Wave on the Sand; Capturing the Outdoors in Photographs***

**10am – 1pm**

Come learn some basic and professional outdoor photography techniques and tips from writer and national photographer Greg Farley. Learn to take your camera off the "automatic" settings and onto the "manual" settings in just a couple of hours. Workshop participants will spend time inside learning camera operations, then head outside to apply what they've learned. Never again let nature's beauty escape your lens! Bring your camera (film, DSLR, or point and shoot), extra batteries and a sense of adventure! Meet in the Visitor Center auditorium.

## ***Saturday, September 24 Nisqually Watershed Festival***

**10am – 4pm**

Tours and guided walks throughout the day, as well as music, live animal presentations, educational exhibits, a marine touch tank and Fin, the Wild Olympic Salmon! Join us in a celebration of the cultural, economic and natural resources of the Nisqually Watershed!

## Summer Lecture Series

# In Touch with Nature

The 24<sup>th</sup> Summer Lecture Series at Nisqually National Wildlife Refuge will be held every Wednesday evening in July and the first four Wednesdays in August.

**July 6**

### Secrets of the Snow Leopard

Speaker: Tom McCarthy, Ph.D.  
Executive Director  
Snow Leopard Program Panthera,  
Partners in Wild Cat Conservation

**August 3**

### From Field to Studio: Experience Local Birds

Speaker: Bart Rulon  
Wildlife Artist, Author, Scientific Illustrator

**July 13**

### Puget Sound Earthquakes

Speaker: John Vidale, Ph.D.  
Director, Pacific Northwest Seismic Network  
Washington State Seismologist  
University of Washington

**August 10**

### Pacific Feast: Food from Field to Forest

Speaker: Jennifer Hahn  
Author, Professor,  
Fairhaven College,  
Western Washington University

**July 20**

### Wildlife Tracking: Adventure and Discovery

Speaker: David Moskowitz  
Professional Wildlife Tracker  
Author, Photographer, Outdoor Educator

**August 17**

### Monitoring the Nisqually Delta: What's Happening!

Speaker: Kelley Turner  
Restoration Biologist  
U.S. Geological Survey  
Nisqually National Wildlife Refuge

**July 27**

### Interconnected Planet and People

Speaker: Spencer Ward, Ph.D.  
Marine Ecologist  
Stanford University's  
Woods Institute for the Environment  
Marine Natural Capital Project

**August 24**

### Understanding Grizzly Bears

Speaker: Sharon Negri  
Bears Ecologist  
Co-Director, Grizzly Bear Outreach Project  
Insight Wildlife Management

**Location:** Lectures are held in the Visitor Center at Nisqually NWR. Take 1-5 exit 114 and follow the signs to the Refuge.

**Time:** The lectures start at 7pm and will last approximately 1 hour followed by questions. Doors open at 6pm.

**Entrance Fee:** The Refuge entrance fee is waived for those attending the lectures. The lectures are free.

**Special Accommodations:** Person with disabilities who require accommodations should contact the Refuge at (360) 753-9467.

**Limited Seating:** The Visitor Center auditorium seats 100 people. Attendance is limited to seats available. Seating will be issued starting at 6pm on a first come basis, and you must be present. If there are

not seats available when you arrive, you will not be able to attend the lecture. The trails are open until sunset.

**Additional Notes:** On lecture nights, the Visitor Center will be open until 7pm and after the lecture. Thanks to Friends of Nisqually NWR for their support of the Summer Lecture Series. ✂

# Good Fun, Great Birds, Successful Festival

The spring shorebird migration was well underway during the annual Grays Harbor Shorebird Festival. Biologists counted 20,000 (on Saturday April 29) and 33,100 (on Sunday April 30) shorebirds at Grays Harbor National Wildlife Refuge. Festival sponsors, The City of Hoquiam, Grays Harbor Audubon Society and Grays Harbor NWR estimated 1500 people participated in Festival events. The highlight for many was, of course, seeing the amazing shorebirds on their stopover during their long migration north.

The Festival, held the last weekend in April in Hoquiam, included three action packed days with field trips, lectures, exhibitors, vendors, a banquet, auction and shorebird viewing. Kids and

families enjoyed the nature Fun Fair and the Shorebird Festival Poster Contest Awards Ceremony. The auc-

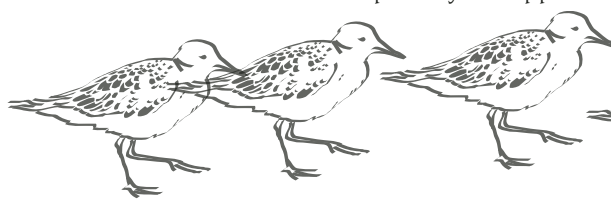


*Visitors viewing shorebirds along the Sandpiper Trail at Grays Harbor National Wildlife Refuge.*

tion raised \$5100 of which \$2700 was donated specially to support the Grays Harbor NWR AmeriCorps Education Volunteer.

The Grays Harbor Shorebird Festival could not happen without a large number of volunteers from several organizations help to organize the event and working throughout the weekend. A big thank you goes to the volunteers with Grays Harbor Audubon Society, Nisqually and Grays Harbor NWR's, and the Washington Service Corps/AmeriCorps.

For more details about the 2011 Festival go to: [www.shorebirdfestival.com](http://www.shorebirdfestival.com). Mark your calendars now for the 2012 Festival set for May 6-8. Start looking for shorebirds returning on their migration south beginning in mid-July. The Fall migration lasts though September. ✂



## 2011 Nisqually Watershed Festival Poster Contest

The Sixth Annual Nisqually Watershed Festival Poster Contest received 60 entries from five different watershed schools including McKenna Elementary, Evergreen Forest Elementary, Mill Pond Elementary, Lydia Hawk Elementary and Rocky Ridge Elementary School. A drawing was held for the teachers who participated and Jill Case of Rocky Ridge won a field trip for her students to Nisqually National Wildlife Refuge.

The student's posters depicted the theme "Nisqually Water and Wildlife".

The judges chose a 1st through 3rd place winner in each grade; a Best of Show was then selected from the 1st place winners. Congrat-

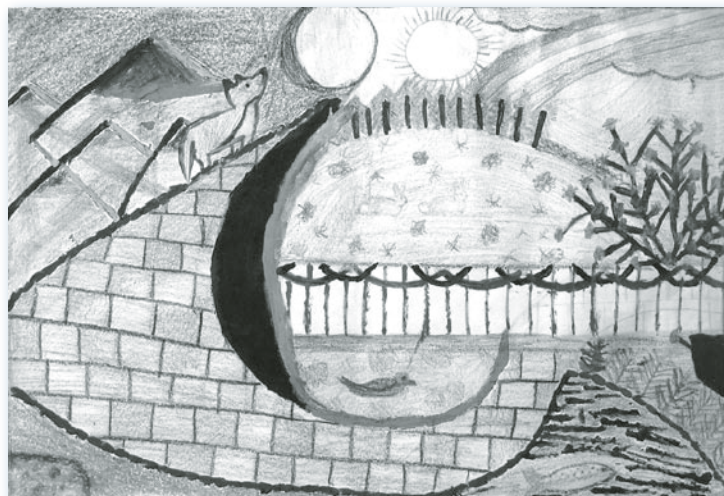
ulations to the Best of Show winner Sariah Abneesiah Yousos from Lydia Hawk Elementary (teacher – Jane Poole). Her entry is entitled "Night vs. Day!" and will be used on posters and fliers for the 2011 Nisqually Watershed Festival.

This year's Festival will take place

on Saturday, September 24, 2011 at Nisqually National Wildlife Refuge. This annual event celebrates the environmental, cultural, historical, and economic stories of this unique river basin in South Puget Sound. The poster contest is a great opportunity for local students

to learn about their watershed, flex their creativity and take pride in seeing their original artwork on display for the public. On the day of the festival students can take part in the Poster Contest Awards Ceremony as well as enjoy free nature walks, fun activities and live entertainment at the Refuge.

**Congratulations, Nisqually Watershed students!** ✂



*Best of Show winner Sariah Abneesiah Yousos from Lydia Hawk Elementary. Her entry is entitled "Night vs. Day!"*



## New Employees at the Refuge

From page 2

Donna Gallup will join the Refuge in June and is no stranger to the U.S. Fish and Wildlife Service or to National Wildlife Refuges. Donna will be the new administrative officer with budget, procurement, and payment responsibilities. Previously Donna worked at Washington Maritime National Wildlife Refuge Complex in Sequim and most recently at the Fish Health Lab in Lacey. ✎



## New and Renewing Friends Membership

Spring 2011

### Senior/Student (\$15)

Reinke, John  
Lindblad, Randolph M  
Rybolt, George  
Holmquist, Becky & Chuck  
Shaules, Peggy  
Lund, Bill & Beverley  
Schramm, Judy  
Gilmur, Thelma  
Boronat, Frank & Julianne

### Individual (\$25)

Van Kirk, Donna  
Alexandria, Kalee  
Walkowiak, John  
Hall, Kathy  
Taylor, Polly

### Family (\$50)

Bohman, Isabelle  
Potter, Lorraine  
Powers, Charles

Clark, Michael S  
Harper, Sheila & Lonnie  
Gleb, Phil & Mary  
Leeden, Ben & Jennifer

### Supporting (\$100)

Kraig, Laura & Eric

### Patron (\$500)

Sullivan, Brian &  
Leon-Guerrero, Anna

### Friends of Nisqually NWR

is a 501(c)(3) non-profit organization established in 1998 to promote conservation of the natural and cultural resources and fund education and outreach programs at Nisqually National Wildlife Refuge Complex.

## Join Friends Of Nisqually NWRC!

Name \_\_\_\_\_

Address \_\_\_\_\_

City/State/Zip \_\_\_\_\_

Email \_\_\_\_\_

- Please send information on making Friends of Nisqually NWRC a beneficiary of my estate.
- Check here to receive an electronic version of *The Flyway* newsletter by email.

### Individual/Family Memberships

- \$15 Student/Senior
- \$25 Individual
- \$50 Family
- \$100 Supporting
- \$250 Partner
- \$500 Patron
- \$1000 Benefactor
- \$250 Business Sponsor
- \$500 Community Partner
- \$1000 Sustaining Business
- \$2500 Corporate Patron
- \$5000 + Corporate Benefactor

### Corporate/Business Memberships

Please make checks payable to: Friends of Nisqually NWRC, 100 Brown Farm Rd, Olympia, WA 98516

Your tax deductible contribution will help preserve the unique habitats, fish, and wildlife of the Nisqually Delta and the Grays Harbor Tidelands.

OFFICE USE Rec'd \_\_\_\_\_ Mo \_\_\_\_\_ New \_\_\_\_\_ Renew \_\_\_\_\_ Ent \_\_\_\_\_ Mld \_\_\_\_\_

**Friends of Nisqually  
National Wildlife Refuge**

100 Brown Farm Rd.  
Olympia WA 98516

Non-Profit Org  
US Postage  
**PAID**  
Olympia WA  
Permit #206



**Return Service Requested**

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*"...conserving, protecting and enhancing fish, wildlife and plants and their habitats for the continuing benefit of the American people..."*

*You are invited to the 24<sup>th</sup> Annual*

# **Nisqually Watershed Festival!**

**Great Fun for the Whole Family:**

- ▶ Music and Live Animal Presentations
- ▶ Tours and Guided Walks throughout the day
- ▶ Great educational displays from around the area
- ▶ Fin, the Wild Olympic Salmon
- ▶ Red Salmon tent, storytelling, and critters parades
- ▶ Marine touch tank
- ▶ Check out the Nature Explore Area for children
- ▶ ***And of course, the famous Nisqually Salmon Bake!***

**Saturday, September 24  
at Nisqually NWR  
from 10 am-4 pm  
All Events are Free  
(except the food!)**

***Join us and celebrate the cultural, economic, and natural resources of the Nisqually Watershed!***

For more information, go to [www.nisquallyriver.org](http://www.nisquallyriver.org) or call **(360)753-9467**