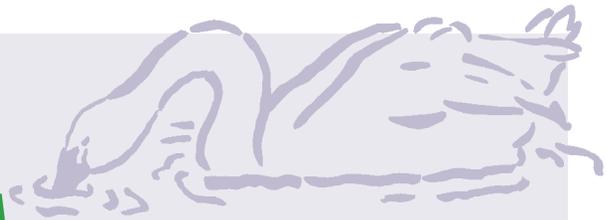


Metro GreenScene

NEWS & THINGS TO DO

Winter 2004-05



METRO

PEOPLE PLACES
OPEN SPACES

What's inside?

- Sauvie Island Raptor Road Trip
- Birds of prey nature note
- Nature University
- Volunteer ventures
- Wildlife watching

Sauvie Island Raptor Road Trip

**New event celebrates
local birds of prey**

9 a.m. to 2 p.m.
Saturday, Feb. 5



Bald eagles are on the guest list for a new event celebrating birds of prey on Sauvie Island, and so are you. Bundle up, grab a donut and a cup of coffee and watch for eagles, hawks and other raptors.

Explore Sauvie Island in search of magnificent bald eagles, hawks and falcons that spend the winter here. On this special day devoted to raptors, experienced naturalists and hawk experts will host activities at four locations around the island. We'll provide a map; then you choose where to go to enjoy guided bird viewing, meet live raptors up close, and see hawk identification and ecology displays. Hot drinks and donuts will be available so we can stay warm and have breakfast with the birds.

How does the "road trip" work?

Activities will start at the Sauvie Island bridge parking lot just to the left after you go over the bridge. Stop here first

to get your event map and guide. The activities are free and no registration is required. You'll need a Sauvie Island Wildlife Area parking permit (\$3.50 per car), which you can purchase on arrival.

We'll provide spotting scopes for up-close viewing, a crash course in raptor identification, and naturalists to point out the birds. Bring binoculars and field guides if you have them. Dress for the weather with gloves and a hat; this event takes place rain or shine. It is suitable for birders of all skill levels and families are welcome.

Unlike traditional bird watching, you don't have to be an "early bird" and get up at the crack of dawn to see these birds of prey, but we recommend that you allow about three hours if you wish to visit all four locations.

What will you see? It all depends on what nature has in store, but frequently sighted raptors include bald eagles, red-tailed hawks, American kestrels, and Northern harriers. With a little luck, you also might spot a rough-legged hawk, Cooper's hawk, merlin or peregrine falcon. Beautiful snow geese, sandhill cranes and great blue herons often are seen at this time of year as well.

For more information and a map of the event locations, visit www.metro-region.org/parks or call (503) 797-1850.

Sponsored by Metro Regional Parks and Greenspaces Department, Audubon Society of Portland, Oregon Department of Fish and Wildlife and Hawk Watch International.

 Three of the four event locations offer wheelchair access.

Metro

People places • open spaces

Clean air and clean water do not stop at city limits or county lines. Neither does the need for jobs, a thriving economy and good transportation choices for people and businesses in our region. Voters have asked Metro to help with the challenges that cross those lines and affect the 25 cities and three counties in the Portland metropolitan area.

A regional approach simply makes sense when it comes to protecting open space, caring for parks, planning for the best use of land, managing garbage disposal and increasing recycling. Metro oversees world-class facilities such as the Oregon Zoo, which contributes to conservation and education, and the Oregon Convention Center, which benefits the region's economy.

Your Metro representatives

Metro Council President – David Bragdon

Metro Councilors – Rod Park, District 1; Brian Newman, deputy council president, District 2; Carl Hosticka, District 3; Susan McLain, District 4; Rex Burkholder, District 5; Rod Monroe, District 6.

Auditor – Alexis Dow, CPA

Metro's web site

www.metro-region.org

Metro GreenScene is produced by Metro's Regional Parks and Greenspaces Department.

On the cover

(clockwise from top left): A female Northern harrier, root art at Smith and Bybee Lakes Wildlife Area, snowberry and volunteer tree planters.

Photographs by Jim Cruce, Jane Dunkin, C. Bruce Forster, Ed McVicker, Elaine Stewart, Lia Waiwaiole, U.S. Fish and Wildlife Service and Curt Zonick.

Illustrations by Carey Cramer, Kathy Deal, Barbara Macomber and Antonia Manda.

If you have a disability and need accommodations, call (503) 797-1850, or call Metro's TDD line at (503) 797-1804. If you require a sign interpreter, call at least 48 hours in advance. Activities marked with this symbol are wheelchair accessible: 

Bus and MAX information: (503) 238-RIDE (238-7433).

To be added to the mailing list or to make any changes, call (503) 797-1850 option 3.

Nature note

Birds of prey: the “action figures” of the bird world

By Metro naturalist James Davis

Brrrrrr. It's a cold, overcast day in January. The trees are bare and nature is asleep, waiting for spring. Boy, is this a day to hunker down inside, maybe build a fire. Not so! Now is the time for some of the most exciting bird watching of the year.

The middle of winter actually is the best time of year for seeing two groups of birds – waterfowl (e.g., ducks, geese, swans) and the action figures of the bird world, the raptors. “Raptors” and “birds of prey” are interchangeable terms describing two groups of birds: the owls and all the hawk-like birds such as eagles, hawks, falcons, osprey, kites and accipiters. Owls always are hard to observe, and winter doesn't help much in that difficult endeavor. But for most of the other raptors found in our region, winter is the primo time to see them for three reasons.

Why are raptors here and easy to see in winter?

One reason is the mild, winter weather of the Willamette Valley. Sure, it's rainy and cold, but compared to the interior part of the country and farther north, it's downright balmy here. For birds that can easily fly a couple of thousand miles in a week, it's worth the trip to the Willamette Valley. Just think what Fargo, N.D., or Minneapolis are like next time you think it's a cold day in Portland.

The second reason to make the journey is food. The mild winter also is a boon to all the furry little prey animals in the valley such as mice, rabbits and squirrels. Valley grasslands, including many fallow farm fields, can be crawling with voles (also known as meadow mice). And where there are brambles bordering grassy fields, there's a rabbit factory.

Even more abundant is the bounty of tasty waterfowl. Just as the huge winter population of waterfowl provides human hunters with food, it is a major food source for our largest hawk, the bald eagle. Important wintering sites for bald eagles in the lower 48 states are often near wetlands with big wintering populations of waterfowl. Bald eagles are major scavengers of dead and dying waterfowl, as well as occasional predators. Peregrine falcons also eat waterfowl, and their smaller cousin the merlin is particularly fond of the shorebirds that winter in valley wetlands.

The third factor that makes winter so great for raptor viewing may seem silly. With all the leaves gone from the deciduous trees, it is just a lot easier to see the birds in the trees! This includes the ones that are here all the time. The riparian woodlands of black cottonwoods along rivers and in wetlands are particularly popular perches and very productive places to look.

What will you see?

The red-tailed hawk, our most common year-round bird of prey, just gets more abundant in winter. Have you ever driven down I-5 from Portland to Salem in winter and wondered “Whoa, what are all those big birds on the power poles and fence posts?” The vast majority are red-tailed hawks, just as they would be in the summer. However, there is another buteo (large, broad-winged, short-tailed, soaring hawk) that you may occasionally

see called the rough-legged hawk. Rough-legged hawks look a lot like red-tailed hawks except that their head and upper breast will be mostly white or very light. They can look like a mini-bald eagle or a dark ice cream cone with a vanilla scoop on top.

The most noticeable winter raptors are bald eagles because . . . well, because they're bald eagles! Few people fail to recognize an adult bald eagle the first time they see one because they are huge and a national icon. But many folks don't realize that bald eagles do not get their all-white head and tail until they are 4 or 5 years old. You may see immature bald eagles that look very much like golden eagles; basically big, dark buteos. But because golden eagles are rare west of the Cascades, you are usually safe in assuming that any huge, solid dark bird you see here in winter is a young bald eagle.

The number of bald eagles living year-round and nesting in the region continues to increase, so our national bird is no longer just associated with winter. But many additional bald eagles still join our local residents in the winter, making this the best time of year to see them.

The falcon “grand slam”

With very good luck, you could have a falcon grand slam and see all five North American falcons. The American kestrel, America's smallest falcon, is one of our most common valley residents year-round, so you always have a good chance of seeing a few of these colorful raptors. The slightly larger merlin spends the winter in Western Oregon and can show up in any open country. Merlins are not common and are very hard to separate from kestrels. But merlins never have any of the cinnamon color on their backs that kestrels do.

The fabulous nesting population of peregrine falcons on Portland's bridges has made the world's fastest animal a permanent resident here. There are probably a few additional birds added to the small local population in winter. Once again, there is another very similar relative, the prairie falcon, that can be hard to distinguish from the peregrine. Prairie falcons almost always strike observers as some shade of brown, while

peregrines are shades of gray and usually very dark.

Then there is the big prize for birders seeking rare birds. In some winters the world's largest falcon, the gyrfalcon of the Arctic, turns up in the valley. This is always exciting news among birders and the word gets out quickly. Any gyrfalcon sighting almost will certainly be on Audubon's Rare Bird Alert; call (503) 292-6855 ext. 200.

Three more winter hawks

Three other hawks are year-round residents but may be more common locally in winter and are seen more frequently during migration. The two accipiters or "bird hawks" are the jay-sized sharp-shinned hawk and the crow-sized Cooper's hawk. Both could show up just about anywhere at any time and they are notoriously hard to tell apart. But after seeing either of them repeatedly, you can get a sense of the accipiter looks – short, broad wings and long, thin tail. These are the hawks that sometimes snatch smaller birds off backyard bird feeders. Although this provides an excellent opportunity to see these raptors at work, not everyone is thrilled to have such a close look at predation.

Our last common winter hawk is the Northern harrier, often called by its older and more intuitive name, marsh hawk. They can be seen flying very low over marshland and wet fields with their wings held up at an angle. The bright white rump patch is usually obvious and makes this one of the easiest birds of prey to identify. They are easy to see in the wetlands that are the winter home to thousands of waterfowl.

Okay, now you have plenty of good reasons to put on your warm clothes, bundle up and head out for some winter raptor watching. But don't forget about hunting season. There never is legal hunting of birds of prey, of course, but there is waterfowl hunting in many of the choice wetlands where birds of prey can be found. Waterfowl hunting runs from about mid-October to the end of January. During that time, be aware of



An immature (or young) red-tailed hawk swoops down on its prey.

where hunting may take place and find out when, especially at places like the Sauvie Island Wildlife Area or national wildlife refuges such as Ridgefield. A great guide to bird watching and other

wildlife watching in the region is "Wild in the City" by Michael Houck and M. J. Cody, available at many Portland area bookstores.

Birds of prey identification classes

Join Metro naturalist James Davis for an evening class all about birds of prey and get ready for a great winter of raptor watching. Learn to identify eagles, hawks, falcons, vultures and related birds and discuss the natural history and adaptations of these powerful predators. For adults and interested teens. Classes are held at Metro Regional Center in Portland and at the John Inskeep Environmental Learning Center on the campus of Clackamas Community College in Oregon City. Registration and payment of \$10 are required in advance. ♿

*Clackamas County class at the Environmental Learning Center
7 to 9:30 p.m. Thursday, Jan. 20*

To register, call Oregon City Community Schools at (503) 785-8520.

*Portland class at Metro Regional Center
7 to 9:30 p.m. Wednesday, Jan. 26*

To register, call Metro at (503) 797-1928.

Bluebirds get a little help from their friends

by Corinne Stefanick, volunteer bander with the Prescott Bluebird Recovery Project

One hundred years ago, Western bluebirds were as common in Portland backyards as their cousins, American robins. Both native birds are thrushes and have similar habitat needs, so why don't we see bluebirds in this area like we do robins?

The answer lies in habitat and nesting site losses as well as the growing menace from pesticides and predators like raccoons, feral cats and non-native birds.

Bluebirds evolved eating only live insects and berries, and making grass nests in tree cavities hollowed out by woodpeckers. They depend on open country for foraging, plentiful snags, wooden fence posts and woodpeckers – all of which continue to decline due to growing development and conversion of farmland to other uses. That's the bad news.

The good news is that there is a dedicated group of volunteers working year-round with the Prescott Bluebird Recovery Project to help Western bluebirds survive. Each year, the project grows with the addition of enthusiastic volunteers who monitor nest boxes mounted on power poles, fence posts and trees. Monitors check each box weekly and make notes of the kinds of birds using them, numbers of eggs laid, chicks hatched and fledged. Currently, volunteers are monitoring nest boxes



Western bluebird

installed at Metro's Cooper Mountain Natural Area.

Named for Hubert Prescott, the recovery project continues the pioneering work he started more than 30 years ago. A bird watcher and photographer throughout his adult life, he had watched bluebirds as a child and was alarmed by their obvious decline.

Patricia Johnston was one of the earliest volunteers who worked with Hubert. "All through his retirement, Hugh looked for western bluebirds," says Johnston, "and in 1971, he discovered a pair nesting in an old box on Chehalem Mountain. He learned there were about a dozen nests in the area, all needing repair, so he began building and erecting nesting boxes, not only on Chehalem, but also on Cooper, Bull and Parrett mountains and in the West Hills of Portland."

In 1987, when Hubert was unable to continue the field work, six volunteers established the non-profit organization. In 1988, the same year Hubert died,

Volunteer training for the Prescott Bluebird Recovery Project

9 a.m. to noon Saturday, Feb. 26

Learn how you can help Western bluebird recovery efforts. Attend this training at Champoeg State Park to become a nest box monitor next summer or to get involved with the project in other ways. For more information and to register, call (503) 245-8449 or visit www.prescottbluebird.com.

Patricia Johnston and Brenda McGowan were licensed to band bluebirds. Each time they banded nestlings, they trapped and collected data on the adult birds. They hoped to answer questions about longevity, nest box use, mate fidelity, movement from natal boxes, etc. These field practices continue today. Since 1988, volunteers have banded more than 15,000 bluebirds and collected data on more than 3,000 nesting attempts. For recent statistics, see www.prescottbluebird.com.

In the 1990s, Marilynne Keyser started monitoring and putting up nesting boxes in Champoeg State Park and other areas. She began banding birds and developed a computer system to track nest box locations based on the Thomas Guide maps. She entered nesting data and all the banding data from the

growing corps of volunteers. Her work continued through 2004, resulting in a large unique database of information on Western bluebirds. She and her daughter, Dr. Amber Keyser, the project's master bander, analyzed some of the data and co-authored an article about Western bluebirds in the scientific journal, *The Auk*.

Currently, there are more than 100 active volunteers including 20 licensed banders. They have mounted 2,000 nesting boxes and developed a mailing list of nearly 1,400 supporters. The group hosts the Champoeg Bluebird Festival each summer at Champoeg State Park, where visitors see live bluebirds, eat blueberries and hear bluegrass music. (Mark your calendar – it's Saturday, June 18, 2005.)



Volunteers from the Prescott Bluebird Recovery Project monitor a number of bluebird boxes they installed at Metro's Cooper Mountain Natural Area.

Changing tides bring new life to Smith and Bybee Lakes Wildlife Area

In its first year, Metro's new water control structure at Smith and Bybee Lakes Wildlife Area has exceeded the high hopes for its ability to enhance habitat for native plants, birds, fish and other wildlife. The unassuming 30-foot barrier, installed by Ducks Unlimited near the end of 2003, allows Metro to control water levels – a powerful restoration and management tool.

Put simply, the water control structure helps us turn back the clock and return the wildlife area to its roots, literally and figuratively. Historically, the lakes would flood in the winter and spring and dry up in the summer. By using the water control structure to mimic these conditions, Metro natural resource managers hoped they would start to see a return of key species of native plants and animals.

Wildlife area manager Elaine Stewart admits she had no idea how quickly and how soundly nature would respond. Here are a few of the highlights:

- Nearly 200 juvenile chinook salmon were found in a corner of Bybee Lake in early May. They made their way in through the structure's fishway and fed in the rich wetland habitat.
- Several important native plants, such as wapato and bulrush, appeared in numerous places where they had not been seen for many years.
- Wading birds and shorebirds came out in droves to enjoy the results of the summer drawdown. Hundreds of great egrets and great blue herons dotted the landscape at Bybee and Smith lakes as the water receded. Flocks of shorebirds fed on bugs in the mudflats. A large flock of American white pelicans spent the fall at Smith Lake.
- Thousands of ducks and geese have arrived to spend the winter feeding on seeds produced by last summer's native plant revival.



“I knew that the structure would bring great results, but I didn’t expect it to be this good, this fast,” says Stewart. “These changes were expected to take several years. The large patches of wapato were my biggest surprise – their tubers have been submerged under the lakes for most of the last 20 years. I had no idea they could survive that, much less come roaring back like this.”

These first-year results confirm that the water management plan is headed in the right direction. Metro uses the water control structure to hold as much water as possible during winter and spring. During these months, the flooded wetlands provide habitat for waterfowl and young salmon. The high water levels also inhibit reed canarygrass, a dangerous invasive plant that typically starts growing in early spring. The annual drawdown begins in June, after salmon have left the system, and lasts through most of the summer. As water slowly recedes, native wetland plants appear on the mudflats, growing and blooming quickly before fall’s cool weather. After drawdown, the structure is left open and water flows into and out of Bybee Lake with the tides. Smith Lake is separated from Bybee Lake and the structure by a meandering channel, so it has more consistent water levels in late summer and fall.

With help from project partners, Metro is keeping a close watch on the changes at the wildlife area. Portland State University is monitoring native plants and reed canarygrass, to see how they respond to active water management. Ducks Unlimited is monitoring how young salmon use the wetlands in winter and spring. Metro will use all of these data to evaluate the effectiveness of the structure, make any necessary adjustments to its strategy and share what is learned with other area wetland managers.



Wapato is one of many native plant species that are responding well to the effects of Metro's new water control structure at Smith and Bybee Lakes Wildlife Area.

See what else is new at Smith and Bybee Lakes Wildlife Area

Bird walks and paddle trips at Smith and Bybee Lakes Wildlife Area are a great way to see some of the results of the new water control structure. This winter, you'll also get a chance to check out recent improvements and new visitor facilities at the wildlife area, including a new canoe launch. The new features were designed to enhance visitor experience, help interpret the natural and cultural history of the area and protect sensitive wildlife habitat.

Wildlife area paddle trips

Traveling by canoe or kayak is the best way to explore Smith and Bybee Lakes Wildlife Area in North Portland. Check out the effects of the new water control structure that is helping to restore the wildlife area to a seasonal wetland. Meet at the parking lot on North Marine Drive. Bring your own kayak or canoe and personal flotation device. Advance registration required. *Friends of Smith and Bybee Lakes*

noon to 4 p.m. Sunday, Dec. 19

To register, call Troy Clark at (503) 249-0482.

11 a.m. to 2 p.m. Saturday, Jan. 8

To register, call Emily Roth at (503) 235-6272.

noon to 4 p.m. Saturday, Feb. 26

To register, call Frank Opila at (503) 283-1145.

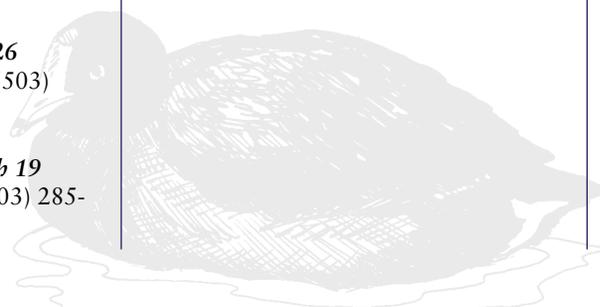
noon to 4 p.m. Saturday, March 19

To register, call Dale Svart at (503) 285-3084.

Winter birds at Smith and Bybee lakes

10 a.m. to noon Saturdays, Jan. 8 and 22, and Feb. 12

It is a waterfowl wonderland in the Portland area with thousands of ducks, geese and swans spending the winter here. On a good day, you can see a dozen different species of waterfowl and other water birds such as grebes, gulls, coots, cormorants and herons. This also is the best time of year to see bald eagles and other birds of prey. Bundle up and meet naturalist James Davis at the wildlife area parking lot on Marine Drive. Binoculars will be available to borrow. Suitable for adults and teens. Free. Advance registration is required; call (503) 797-1928. Metro 



Future trails will connect the wildlife area to nearby parks, neighborhoods and trails

Attend a public open house to learn about the trails study

**4:30 to 7:30 p.m.
Wednesday, Feb. 16**

*Water Pollution Control Lab
6543 N Burlington Ave., Portland*

Do you live or work near Smith and Bybee Lakes Wildlife Area? Would you enjoy new and better ways to get to and explore the wildlife area on foot, in a wheelchair or by bicycle? If so, Metro and the city of Portland welcome your participation in a study to consider new trail routes to and within the wildlife area.



In collaboration with a technical working group made up of citizens, planners, and experts, Metro and the city of Portland are studying options for trail routes that will connect the wildlife area to nearby parks, the St. Johns, Kenton and Portsmouth neighborhoods, and existing regional trails. The study will examine potential trail alignments and design features that will enhance visitor experience while protecting valuable fish and wildlife habitat.

Smith and Bybee Lakes Wildlife Area is home to juvenile salmon, Western painted turtles, beavers, songbirds, waterfowl, ospreys, great blue herons and bald eagles, and also a popular

destination for wildlife watching and school field trips.

Attend the open house to meet the working group, learn about the trails study and review and comment on potential trail routes and design types.

For more information about the study or the open house, call Jane Hart, Metro project manager, at (503) 797-1585 or send e-mail to hartj@metro.dst.or.us.

VOLUNTEERING – *it's your nature*

Nature University

Where students become teachers

Learn how to help children and adults discover nature by enrolling in Nature University – Metro's unique and intensive naturalist training program. Nature University helps people develop and improve their skills as naturalists and teachers, and trains volunteers to lead student field trips.

More than 4,000 students go on Metro field trips each year, one or two classrooms at a time. The trips are scripted – that is, volunteers follow a curriculum format to introduce students to the ancient forest, water insects, wetlands and more. But Nature University prepares you to do more than follow a script.

Nature University is a 12-week training course and includes homework. Students are introduced to time-honored techniques of nature observation and given a series of observation exercises to complete. They go in the field with trained and experienced naturalists and learn the names of native plants and wildlife and how to recognize animal tracks and signs. They learn the ecology of wetlands and ancient forests. Most importantly, they develop the habit of taking field notes and using field guides. In this way, they are introduced to the skills of a naturalist, to be applied in a lifelong learning process that never ends.

Nature University starts people along the path of becoming teachers and naturalists. The school field trips give leaders a chance to practice their skills. In exchange for training, Metro volunteer naturalists are asked to provide a minimum of 40 hours of service – about 10 field trips. Field trips are mostly on weekdays during September, October, April, May and the first part of June. Metro staff helps volunteers track their progress toward completing the service hours.

Enrolling in the class of 2005

Training sessions are from 9:30 a.m. to 2 p.m. Tuesdays, Jan. 18 through April 5.

A menu of elective training classes also will be available throughout the year to increase your expertise in certain areas of interest. To request an application or for more information, call volunteer services at (503) 797-1850 option 7 or send e-mail to parkvol@metro.dst.or.us.



A volunteer naturalist leads an enthusiastic group of middle school students on a fall field trip at Oxbow Regional Park.

A day in the life of a naturalist

by Metro naturalist Deb Scrivens

Twenty pairs of feet trod the fine dust on a narrow path behind a staff naturalist at Metro's Oxbow Regional Park. Like hundreds of other children on fall field trips at Oxbow, they are headed to see salmon spawning in the Sandy River. As they walk, an expansive and beautiful hillside of golden maples and crests of white river rapids unfolds on the left while a conifer forest slips by on the right.

Suddenly, at the head of the line, the naturalist stops – her foot caught in mid-stride above the path. The intensity of her posture and quiet command in her voice catches the attention of all the students behind her. What had she seen? Why had she stopped?

"Here, get off the path," she says. "Let's mark this track. Don't step there – there might

be more. Make a circle. Let the others see."

"What is it, what is it, what is it?" whisper the students.

"It's a cougar track," the naturalist tells them. "And it was made sometime today after that last rain we had around sunrise."

Excited questions erupt from the students. "A cougar! Is that the same as a mountain lion? How big are they? Are they dangerous? Will it eat us? Do they live here? What was it doing here? What do they eat?"

The cougar track brings the landscape to life in a way that few things can. The students no longer feel as if they were on the outside looking in. They are part of a living landscape, where animals hunt and are hunted. What follows is a long question-

and-answer session and a thoughtful discussion.

The cougar can be linked, in a series of steps, to every other living thing in the Sandy River system, including the salmon, the people who live along the river and the geography of the watershed itself. The naturalist and the students' teacher do not know the answers to all of the students' questions, but that does not matter, because now the students are interested enough to find out the answers for themselves. Eventually, the discussion links back to salmon. "Will a cougar feed on dead salmon?" Once the group figures out the answer, they resume their trek toward the river's edge.

As the children carefully step around the cougar track, one student asks a very insightful question. "How on earth did

you see that track?" Indeed, the track was just one small item, at ground level, barely noticeable in the dust. The track is only a small part of a captivating 360-degree view including a large flowing river and hillsides of forest.

Noticing detail in nature while keeping track of the big picture is a habit that develops with practice. Nature University introduces the skills and tools needed to begin this practice. Nature University also includes enough information that volunteer naturalists can begin to relate the details in nature to the big picture – seizing the opportunity of one small animal track to lead students on a path of questioning and discovery about their environment, bringing nature to life.



Walter Moore brings thousands of hours of field experience as an animal tracker to Metro's volunteer naturalist crew, which he joined in 2003. He began studies with renowned tracker Tom Brown Jr. in 1988. Originally from North Carolina, Walter was a hospital corpsman with the Navy Seals before he chose nursing as a vocation. He communicates his deep awareness of and connection to nature easily with students, who benefit greatly from his participation in Oxbow field trips.



VOLUNTEER Ventures

Friends of Trees planting days

9 a.m. to 1 p.m. Saturdays and Sundays

Join Friends of Trees and others in your community on most Saturdays and some Sundays to help plant neighborhood trees or do vital restoration work at urban natural areas. No experience is necessary; gloves, tools and training are provided. For planting day locations and directions, call (503) 284-8733 or visit www.friendsoftrees.org and click on "planting" schedule. *Friends of Trees*

Ivy removal at Forest Park

9 a.m. to noon every Saturday

Join forces with the No Ivy League and help battle what is called the "green plague" at Forest Park. Groups of five or more are asked to register in advance. Bring water, work gloves and a conquering attitude. Meet at the Lower Macleay Field House at the end of Northwest Upshur just past 29th. For more information, call (503) 823-3681. *Forest Park Ivy Removal Project*

Forest Park trail maintenance

9 a.m. to noon every Saturday

Join the Friends of Forest Park for trail maintenance and repair work parties on the beloved trails of Forest Park. Meet at the Lower Macleay Field House at the end of Northwest Upshur just

past 29th. Bring water and work gloves and be prepared for a short hike to a worksite. For more information, call (503) 223-5449. *Friends of Forest Park*

First Saturday planting event

9 a.m. to noon Saturdays, Jan. 1, Feb. 5 and March 5 Join SOLV's Team Up for Watershed Health program for tree planting along a stream near you. There are many sites to choose from and activities will include removing invasive species and planting native trees and shrubs. Advance registration required; call (503) 844-9571. *SOLV*

Vale Park work days

9 a.m. to 1 p.m. Sundays, Jan. 16 and 23

Help remove Himalayan blackberry or plant natives in the natural areas of Vale Park. Bring loppers, a shovel and work gloves, if possible. Refreshments will be provided. Meet at the park sign at Southwest Gleneden Drive and 154th Avenue. To register, call Melissa at (503) 629-6305 ext. 2953. *Tualatin Hills Park and Recreation District*

Dickinson Park restoration

9 a.m. to noon Saturdays, Jan. 8 and Feb. 12

Join the Dickinson Park Stewards for a work day in the forest surrounding the park and help restore Ash Creek. Meet at the cutout on Southwest 55th Avenue south of Taylors Ferry Road. Bring gloves and water. To register, call (503) 823-6131. *Portland Parks and Recreation*

Powell Butte trail maintenance

9 a.m. to noon Saturdays, Jan. 8 and Feb. 12

Help restore the trail system at Powell Butte Nature Park. Bring water and gloves and be prepared for a good workout. Meet at the parking lot at

the top of the hill on Southeast 162nd Avenue south of Powell Boulevard. To register, call (503) 823-6131. *Portland Parks and Recreation*

Blackberry pull at Rosa Park

9 a.m. to noon Saturday, Jan. 15

Help remove Himalayan blackberry from the natural areas of Rosa Park. Bring loppers, a shovel and work gloves, if possible. Refreshments will be provided. Meet at the park entrance on Southwest Rosa Road east of 196th Avenue. To register, call Melissa at (503) 629-6305 ext. 2953. *Tualatin Hills Park and Recreation District*

Mayor's work day at Mary S. Young State Park

9 a.m. to noon Saturdays, Jan. 15 and Feb. 19

On the third Saturday of each month, the mayor of West Linn invites volunteers to help remove invasive English ivy at Mary S. Young State Park. Bring gloves and clippers. For more information, call (503) 657-0331. *city of West Linn*

Bauman Park work day

9 a.m. to noon Saturday, Jan. 15

Help plant native plants and pull blackberries throughout the natural areas of Bauman Park. Bring a shovel and work gloves, if possible. Refreshments will be provided. The park is located southwest of the intersection of Southwest Oleson Road and Ames Way. Meet at the dead end on the north side of the park. To register, call Melissa at (503) 629-6305 ext. 2953. *Tualatin Hills Park and Recreation District*

Hyland Forest Park work day

9 a.m. to noon Sundays, Jan. 16 and 23

Help plant natives throughout the natural areas of Hyland Forest Park. Bring loppers, a shovel and work gloves, if

possible. Refreshments will be provided. Meet at the park entrance near the intersection of Southwest Sexton Mountain Drive and Sexton Mountain Court. To register, call Melissa at (503) 629-6305 ext. 2953. *Tualatin Hills Park and Recreation District*

Metro volunteer orientation

noon to 1 p.m. or 6 to 7 p.m. Tuesday, Feb. 15

Start your Metro volunteer experience off on the right foot. Join us for new volunteer orientation either during the lunch hour or in the evening at Metro Regional Center. Learn about Metro's parks and greenspaces, hear about the benefits of volunteering, receive information

on volunteer job opportunities in the field and office, complete your volunteer application and enjoy the company of other new volunteers. To register, call (503) 797-1928. *Metro* ♿

Stream Team captain training

6 to 9 p.m. Thursday, Jan. 20

Get involved in SOLV's watershed restoration program at the leadership level. Stream Team captains help lead volunteers and planting events. Training covers watershed health, stream restoration, volunteer management and event leadership. Participants also must attend sessions on Jan. 27 and 29. Free. Advance registration is required; call (503) 844-9571. *SOLV*



Metro ranger Adam Stellmacher demonstrates tree planting at a volunteer work day at Cooper Mountain Natural Area.

Tualatin Hills Nature Park project days

9 a.m. to 1 p.m. Saturdays and Sundays, Jan. 22 and 23 and Feb. 19 and 20

Help a Tualatin Hills Nature Park ranger remove invasive plants and create a desirable habitat for native plants and wildlife. Bring work gloves and drinking water. Volunteers younger than 18 need a parent waiver form, and volunteers younger than 14 must be accompanied by an adult. To register, call (503) 629-6350. *Tualatin Hills Park and Recreation District*

Florence Pointe Park work day

9 a.m. to noon Saturday, Feb. 5

Help remove Himalayan blackberry from the natural areas of Florence Pointe Park. Bring a shovel and work gloves, if possible. Refreshments will be provided. Meet at the park entrance on Southwest Florence Lane southeast of 75th Avenue. To register, call Melissa at (503) 629-6305 ext. 2953. *Tualatin Hills Park and Recreation District*

Cooper Mountain tree planting

9 a.m. to noon Saturday, Feb. 5

This is your chance to plant a forest. Volunteers are needed to create a Douglas fir and Western red cedar forest on top of Metro's Cooper Mountain Natural Area west of Beaverton. Enjoy beautiful views of the Tualatin Valley, explore rare habitat types and help enhance the natural area for wildlife and future visitors. Learn about the master planning process that will guide future public use and habitat restoration at this unique natural area. For more information or to register, call (503) 797-1928. *Metro*

SOLV restoration planting

9 a.m. to noon Saturday, Feb. 19

Join SOLV and your community to help restore urban streams. Help plant native trees and remove invasive species in Troutdale, West Linn, Tigard and Southwest Portland. Tools will be provided. For location information and to register, call Monica at (503) 844-9571. *SOLV*

Salmon Creek planting

8:45 a.m. to 1 p.m. Saturday, Feb. 26

Help bring salmon back to Salmon Creek in Vancouver by enhancing the habitat. Enjoy working outdoors with good company and plenty of munchies. Winter work days include planting trees and general maintenance. Bring gloves and boots or shoes that can get wet. Advance registration required; call (360) 992-8510. *Clark Public Utilities*

Johnson Creek Watershed Wide Event

10 a.m. to 5 p.m. Saturday, March 5

For the seventh year in a row, the Johnson Creek Watershed Council will be taking a watershed-wide approach to winter invasive removal, native planting, surveying, naturoscaping, composting and other efforts to improve habitat along Johnson Creek. The event will bring hundreds of volunteers to 12 sites, including a Metro open space in Gresham, for a variety of activities. Some sites may be wheelchair accessible by arrangement. For more information and to register, call (503) 652-7477 or visit www.jcwc.org. *Johnson Creek Watershed Council* & by arrangement

A new chapter begins in Metro's wildlife monitoring program



AmeriCorps volunteer Seth Ring, pictured at Metro's Multnomah Channel property, will spend a year shepherding Metro's volunteer-mediated wildlife monitoring program.

Metro's Regional Parks and Greenspaces Department is launching its second year of volunteer-mediated wildlife monitoring in 2005 and is pleased to introduce Seth Ring as the AmeriCorps volunteer who will help lead the program this year. Metro is again partnering with the Northwest Service Academy to reach out to regional volunteers to help track wildlife on Metro natural areas. The goals of the program are to learn more about the animals that use Metro lands, to gauge the progress of Metro's restoration efforts and to track the effects of public use on wildlife.

Seth is a native Oregonian who graduated from Lewis and Clark College with a double major in biology and Hispanic studies. His senior thesis focused on arthropod communities in decomposing logs of Northwest old growth forests. After graduating, he worked as a Smithsonian intern on plant/herbivore interactions and bird distribution in Panamanian rainforests.

At Metro, Seth will work with Curt Zonick, natural resources scientist, and Mary West, volunteer coordinator, to guide new and returning volunteers through scientific monitoring techniques such as avian point count sampling, amphibian egg mass surveys and winter waterfowl surveys. If you are interested in joining the monitoring crew, find out more under "Help Wanted."

HELP WANTED: Volunteer wildlife monitors

Do you have skills in local bird or amphibian identification and a commitment to protecting our local environmental heritage? Metro is seeking long-term volunteers with some wildlife experience to collect survey data on local species on open spaces. For more information, call Seth at (503) 797-1688.

Bird monitors

Adopt a site for seasonal or year-round monitoring. Metro seeks enthusiastic responsible people with intermediate to expert bird identification skills. Must be able to make a minimum one-year commitment and be able to get up with the birds.

Aquatic amphibian monitors

Metro seeks long-term monitors for larval amphibian surveys on three key properties. Training in amphibian identification and survey techniques will be provided. Must love water, boats, rain, mud and tadpoles.

Winter Calendar



NATURE Discoveries

Magness Memorial Tree Farm walks

2 to 3 p.m. every Sunday
Come to the Magness Memorial Tree Farm near Wilsonville for a guided tour on an easy 1-mile trail. Learn about the forest, its many uses, as well as how to identify plants, animals, bugs and birds. Free; registration not required. Meet at the parking lot on Ladd Hill Road. For more information, call (503) 228-1367. *World Forestry Center*

Springwater on the Willamette and Oaks Bottom

1 to 3 p.m. Saturday, Jan. 29
Join Metro naturalist James Davis for a leisurely stroll along the Springwater on the Willamette Trail. This section of the Springwater Corridor provides great access to Oaks Bottom Wildlife Refuge, a longtime favorite bird watching spot and the first city park in the country to be designated a wildlife refuge. Explore the trail and the wildlife refuge and let James introduce you to the incredible variety of wintering birds at Oaks Bottom. Suitable for teens and adults. Bring binoculars or borrow a pair of ours. Meet in the parking lot of Sellwood Riverfront Park on Southeast Oaks Park Way. Registration and payment of \$5 per person are required in advance; call (503) 797-1928. *Metro* ♿

Squirrels and beavers and otters, oh my!

7 to 9:30 p.m. Wednesday, Feb. 2

Did you know you can see mink and river otter at Oxbow Regional Park and Smith and Bybee Lakes Wildlife Area? How about flying squirrels? What kind of squirrels are those running around Blue Lake Regional Park? How can you tell muskrat, nutria and beaver apart when all you see is the top of a brown head moving through the water? Metro naturalist James Davis will take you through a basic survey of the mammals that live in Metro's parks and greenspaces with an emphasis on how to spot them and identify them in the wild. You'll be surprised at who some of our wilder residents are. Suitable for adults and interested teens. Meet in room 370 at Metro Regional Center. Registration and payment of \$10 are required in advance; call (503) 797-1928. *Metro* ♿

How animals work

7 to 9:30 p.m. Wednesday, Feb. 9

How can turtles breathe while they are at the bottom of ponds all winter? How do ducks swim around in freezing cold water with their bare feet without getting hypothermia? Why are there no warm-blooded animals with gills? Join Metro naturalist James Davis for a look at the incredible adaptations of different animals to meet the same basic needs – food, water, oxygen and shelter. Understanding how animals work greatly increases our awareness and appreciation of their amazing abilities and unique ways of life. Meet in room 370 at Metro Regional Center. Registration and payment of \$10 are required in advance; call (503) 797-1928. *Metro* ♿

Kayaking Ridgefield National Wildlife Refuge

9 a.m. to 5 p.m. Saturday, Feb. 19

Venture to Ridgefield National Wildlife Refuge and travel by sea kayak around Bachelor Island in search of bald eagles, osprey, blue heron, Canada geese, sandhill

cranes and other wildlife. Develop your paddling skills and enjoy the natural environment. Adaptive equipment and trained staff are available to support people with special needs. \$45 program fee includes equipment, clothing, instruction and transportation from Forest Grove. Advance registration required; call (503) 681-9471. *Adventures Without Limits*

Winter trees of Cooper Mountain

*Saturday, Feb. 26
11 a.m. to 1 p.m.*

Have you ever wished you could tell one evergreen from another or identify a tree in the winter by looking at the bark or buds? Can you read the history of a piece of land by looking at its forest? Join Metro naturalist Deb Scrivens for a walk at Cooper Mountain Natural Area to unravel these mysteries and more. The forest at this Metro natural area is a living laboratory of Northwest trees. Free. Advance registration required; call (503) 797-1928. Directions to the site will be mailed to you. *Metro*



Young boys look for water bugs in the Sandy River on a field trip at Oxbow Regional Park.

Commemorative tree planting

9 a.m. to 1 p.m. Sunday, Feb. 27

Planting a tree is a meaningful way to remember and celebrate the lives of the people we love. It also is an enduring gift for the future that also helps the environment. Join Friends of Trees at Bonita Park in Tigard for an annual commemorative tree-planting event. For more information about purchasing a tree in honor or in memory of someone, visit www.friendsoftrees.org or call (503) 284-8733. *Friends of Trees*

Taxidermy workshop

10 a.m. to 5 p.m. Saturday, March 5

This workshop is for anyone who wants to learn more about animal anatomy. Participants will create study specimens, which will be used in the Metro environmental education program to teach people about wildlife. Guided by instructors, each person will work on skinning and stuffing a small wild mammal or bird accidentally killed by an automobile. (The study specimens, also called museum mounts, are not posed in lifelike positions.) Metro operates this program under state and federal wildlife salvage permits. Class will meet at Oxbow Regional Park in the naturalists' office. Suitable for adults and older teens. Bring a sack lunch. A fee of \$15 per person includes instruction and tools. There also is an additional \$4 per vehicle entry fee payable at the gate. Advance registration and payment are required; call (503) 797-1928. *Metro*



Lunch with the birds

noon to 1 p.m. every Wednesday

Meet a Jackson Bottom naturalist and spend your lunch hour learning how to identify migrating waterfowl and other cool birds at Jackson Bottom Wetlands. Spotting scopes, binoculars and field guides will be provided. Meet at the north viewing shelter next to the Clean Water Services sewage treatment plant on Highway 219 south of Hillsboro. Free. Registration is not required. For more information, call (503) 681-6278. *Jackson Bottom Wetlands Preserve* 

Crystal Springs bird walk

8 to 10:30 a.m. Saturday, Dec. 18

Let an Audubon naturalist show you ducks, geese, herons and songbirds at the Crystal Springs Rhododendron Garden. Suitable for older children and adults with beginning to advanced birding skills. Free. Advance registration required; call (503) 635-2044. *Backyard Bird Shop* and *Audubon Society of Portland*

Cook Park bird walk

8 to 10:30 a.m. Sunday, Jan. 9

Learn about wild bird identification and bird behavior by participating in a bird-oriented nature walk at Cook Park. Meet at King City Backyard Bird Shop to carpool. Free. Advance registration required; call (503) 968-9295. *Backyard Bird Shop*

Waterfowl identification class

7 to 9:30 p.m. Wednesday, Jan. 12

Tens of thousands of ducks, geese and swans spend the winter in our local wetlands. By February, all hunting is over and it is an ideal time to find out who's who in the waterfowl world. Metro naturalist James Davis will simplify identification techniques for what can seem like an overwhelming variety of species. Suitable for adults and teens. Meet in room 370 at Metro Regional Center. Registration and payment of \$10 are required in advance; call (503) 797-1928. *Metro* 

Ridgefield bird walk

8 to 10:30 a.m. Saturday, Jan. 15

See hawks, falcons, woodpeckers, waterfowl and more on a guided bird walk at Ridgefield National Wildlife Refuge. Suitable for older children and adults with beginning to advanced birding skills. Meet at the River "S" Unit entrance. Free. To register and get driving directions, call (503) 635-2044. *Backyard Bird Shop* and *Audubon Society of Portland*

Sauvie Island bird walk

8 to 10:30 a.m. Saturday, Jan. 22

Enjoy hawks, eagles and waterfowl on a guided nature walk on Sauvie Island. Suitable for older children and adults with beginning to intermediate birding skills. To carpool, meet at the Vancouver Backyard Bird Shop. Free. Advanced registration required; call (360) 253-5771. *Backyard Bird Shop*

Rood Bridge bird walk

8 to 10:30 a.m. Saturday, Jan. 29

Learn about wild bird identification and bird behavior on a guided nature walk at Rood Bridge Park. Meet at Beaverton Backyard Bird Shop and carpool to the site. Suitable for older children and adults. Free. Advance registration required; call (503) 626-0949. *Backyard Bird Shop*

Crystal Springs bird walk

8 to 10:30 a.m. Saturday, Feb. 12

See ducks, geese and songbirds on a guided nature walk at the Crystal Springs Rhododendron Garden. Suitable for older children and adults with beginning to advanced birding skills. To carpool, meet at the Lake Oswego Backyard Bird Shop. Free. Advance registration required; call (503) 635-2044. *Backyard Bird Shop* and *Audubon Society of Portland*

Tualatin Hills owl prowl

5 to 8 p.m. Sunday, Feb. 20

Learn all about these magnificent hunters of the night at this combination class and hike. Meet at the Beaverton Backyard Bird Shop for a 45-minute class, then carpool to Tualatin Hills Nature Park for the owl prowl. Suitable for older children and adults. A \$5 registration fee will be refunded with a \$5 gift certificate the night of the class. To register, call (503) 626-0949. *Backyard Bird Shop*

Owl pellet classes

6 to 7:30 p.m. Mondays, Feb. 21 and 28

Owls are fascinating predators that usually swallow their prey whole. What they can't digest (feathers, fur, teeth, bones), they cough up in the form of a pellet. Pull apart a sterilized owl pellet and use a chart to sort the bones and discover

Calendar at a glance

what the owl ate. Appropriate for all ages; children younger than 7 must be accompanied by an adult. \$9. Advance registration required. The Feb. 21 class is at the Beaverton Backyard Bird Shop; call (503) 626-0949 to register. The Feb. 28 class is at the Vancouver Backyard Bird Shop; call (360) 253-5771 to register. *Backyard Bird Shop*

Tualatin River backyard bird class

6:30 to 8:30 p.m. *Wednesday, Feb. 23*

Join instructor Doug Robberson for a series of classes about the birds of the Tualatin River watershed. This indoor evening session at the Tualatin Senior Center, focusing on backyard birds, will be followed by a Saturday morning field trip at Summerlake Park in Tigard on Feb. 26. \$10 for Tualatin Riverkeepers; \$20 for non-members. The class is wheelchair accessible, but the field trip is not. Advance registration required; call (503) 590-5813. *Tualatin Riverkeepers*  *by arrangement*

Sauvie Island owl prowl

5 to 8 p.m. *Sunday, Feb. 27*
Learn all about these magnificent hunters of the night at this combination class and hike. Meet at the Vancouver Backyard Bird Shop for a 45-minute class, then carpool to Sauvie Island for the owl prowl. Suitable for older children and adults. A \$5 registration fee will be refunded with a \$5 gift certificate the night of the class. To register, call (360) 253-5771. *Backyard Bird Shop*

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See you there!

Metro regional parks, greenspaces and facilities

Blue Lake Regional Park provides archery, volleyball, softball, horseshoes, playgrounds, food concessions, bike and boat rentals, swimming, fishing and large picnic shelters perfect for family reunions and company picnics. Bikers, runners and walkers enjoy the trails along the lake and throughout the park. The Lake House is an elegant site for weddings and other special events.

Accessible features: parking, restrooms, archery, fishing dock, picnic areas, water play area, playgrounds, park paths, office, food concession, wetlands observation deck and trail loop.

Location: Between Marine Drive and Sandy Boulevard off Northeast 223rd Avenue. From I-84, take the Fairview exit (14) and go north on 207th Avenue to Sandy Boulevard. Turn right onto Sandy and travel east to 223rd and turn left. Proceed north to Blue Lake Road and the park.

Entrance fee: \$4 per car and \$7 per bus.

Oxbow Regional Park, a 1,200-acre natural area park located within the wild and scenic Sandy River Gorge, offers the opportunity to walk through an old-growth forest or watch fall chinook salmon swim upstream to spawn. The river draws swimmers, rafters, kayakers and anglers. Hiking trails, wooded campsites, reservable picnic areas, horse trails, playgrounds and play fields are also available.

Accessible features: parking, office, restrooms, shower buildings, three campsites, picnic shelters and campground amphitheater.

Location: Eight miles east of Gresham. From I-84, take the Troutdale exit (17). Go past the truck stop to the light. Turn right on 257th, go 3 miles to Division Street. Turn left onto Division. Follow the signs 6.5 miles and turn left. Follow the road to the park.

Entrance fee: \$4 per car and \$7 per bus.

Howell Territorial Park on Sauvie Island is a scenic blend of natural and cultural history. The Oregon Historical Society provides interpretive tours of a pioneer house and agricultural museum on summer weekends. Picnickers and birdwatchers enjoy this idyllic site, which also includes nine acres of wetland and surrounding pastoral land. There are two rustic areas that can be reserved for small picnics or weddings.

Accessible features: limited parking, restrooms, picnic areas and barn museum.

Location: Take Highway 30 north past Linnton to the Sauvie Island Bridge. Cross the bridge, proceed north approximately 1 mile and turn right onto Howell Park Road.

Smith and Bybee Lakes Wildlife Area is the largest protected wetland within an American city. Home to beavers, river otters, black-tailed deer, osprey, bald eagles and Western painted turtles, this 2,000-acre wildlife area offers a paved trail with two wildlife viewing platforms. Non-motorized boats are welcome.

Accessible features: parking, Interlakes Trail, wildlife viewing platforms and restroom.

Location: On Marine Drive between the Expo Center and Kelley Point Park. Take I-5 to exit 307. Go west on North Marine Drive for 2.2 miles. Turn left at the large brown and white wildlife area sign.

Beggars-tick Wildlife Refuge, a 20-acre greenspace located along the Springwater Corridor Trail, was named after a species of native sunflower. The refuge is home to a variety of native plant species and wildlife, and provides open water for migratory waterfowl in the winter.

Accessible features: parking and paths (compacted gravel).

Location: Southeast 111th Avenue, just north of Foster Road. Also accessible from the Springwater Corridor Trail.

Pioneer cemeteries in Multnomah County offer a unique look into the history of the region and are managed as operating facilities. Dating back as early as 1851, 14 pioneer cemeteries offer scenic tranquility and a glimpse into the past.

Chinook Landing Marine Park, a 67-acre marine park with six launching lanes on the Columbia River, is the largest public boating facility in Oregon. The park offers picnic and viewing areas, wetland and wildlife habitat, disabled-accessible docks, restrooms and a seasonal river patrol station.

Accessible features: parking, restrooms, picnic area and observation deck.

Location: Adjacent to Blue Lake Regional Park on Marine Drive.

Entrance fee: \$5 per vehicle.

M. James Gleason Memorial Boat Ramp is a convenient public boat launch on the Columbia River, minutes from downtown Portland. Amenities include launch lanes, boarding docks, restrooms, river maps and a river patrol office.

Accessible features: parking and restrooms.

Location: Northeast 43rd Avenue and Marine Drive.

Entrance fee: \$4 per vehicle.

Sauvie Island Boat Ramp enables boaters to enjoy the quiet waters and wildlife of Multnomah Channel. Picnic tables, parking and restrooms are available.

Accessible features: parking, restrooms and picnic area.

Location: At the junction of Burlington Ferry and Sauvie Island roads.

Glendoveer Golf Course provides challenging play for every level with two 18-hole golf courses. A 2-mile fitness trail along the perimeter of the course draws joggers and walkers to the natural setting. There also are tennis and racquetball courts, a driving range and a restaurant.

Location: 140th and Northeast Glisan Street.

Information numbers

General number
(503) 797-1850

Picnic reservations
(503) 797-1928

Registration for Metro activities
(503) 797-1928

Blue Lake Regional Park
(503) 665-4995

The Lake House
(503) 797-1928

Oxbow Regional Park
(503) 663-4708

Howell Territorial Park
(503) 665-6918

James Bybee House
(503) 222-1741

Smith and Bybee Lakes Wildlife Area
(503) 797-1844

Marine facilities
(503) 665-6918

Glendoveer Golf Course
(503) 253-7507

Pioneer cemeteries
(503) 797-1709

Note: In order to protect wildlife habitat, and for their own safety, **pets are not permitted** at any Metro park or greenspace.

 The "accessible features" listed above are facilities and activities that are accessible to wheelchair users. For information about other kinds of access or accommodations, call (503) 797-1728.



Discover nature with your child

Exploring the great outdoors

A special class for parents and children

**3:30 to 4:30 p.m.
Thursday, Feb. 3**

Encouraging a child's innate sense of wonder is at least as important as teaching them the names of plants and animals. But as a parent, wouldn't it be nice to know the names of the plants and animals as well? Or at least know how to find out? If you have ever felt less-than-adequately prepared to introduce your child to nature, this



class is for you. Metro naturalist Deb Scrivens will cover the basics of nature observation and show you how to use field guides. Suggestions for easy outdoor nature

study activities and a bibliography of the best field guides will be available. Children are welcome. Meet at the Northwest Library at Northwest 23rd Avenue and

Thurman Street in Portland. Registration is not required. For more information, call (503) 797-1928. *Multnomah County Library* and *Metro* 



METRO

PEOPLE PLACES
OPEN SPACES

600 NE Grand Ave.
Portland, OR 97232-2736

