

# Stream Team

## NEWSLETTER

Olympia • Lacey • Tumwater • Thurston County

**FREE**



### *Inside...*

Purple Martins Are Here | 3  
Marine Creature Mondays | 4  
Historic Shoreline Walks | 4  
Mark Budd Inlet Shoreline | 5

Featured Watershed:  
Woodland Creek/Henderson Inlet | 6  
Stream Bug Monitoring Time | 7  
Puget Sound Starts Here Reminder | 8

**SUMMER EDITION**  
June-July-August 2011

Protect Native Wildlife | 9  
Salmon Stewards | 10  
Calendar of Events | 11



**ON THE COVER:** Diver Phil Sconce brings magnificent marine creatures up from the bottom of Puget Sound during Stream Team's "Marine Creature Mondays". To learn about more critters living in Puget Sound, sign your family up for a Marine Creature Monday this summer (See page 4).



## Be Kind to your Grass: Prepare Your Lawn for the Summer Heat

### What should you do to your lawn this summer to keep it healthy?

- Mow 3 times a month or more and leave the clippings on the lawn
- Mow your lawn high (2-3 inches tall) to help shade out weeds and keep the soil cool and moist. Only cut a 1/3 of the grass blade at a time
- Sharpen mower blades to reduce brown grass tips
- Apply a slow-release, organic fertilizer or wait until fall to fertilize
- Pull weeds individually
- Consult *Grow Smart, Grow Safe: Consumer Guide to Lawn and Garden Products* for chemical product information. Visit [www.co.thurston.wa.us/health/ehcsg/pdf/GrowSmart\\_GrowSafe.pdf](http://www.co.thurston.wa.us/health/ehcsg/pdf/GrowSmart_GrowSafe.pdf), or send an email request to [Streamteam@ci.lacey.wa.us](mailto:Streamteam@ci.lacey.wa.us) to receive your own print copy
- Water in the evening or early morning to reduce evaporation
- Rent an aerator and aerate your lawn (expense could be shared with a neighbor)
- Top-dress your lawn with 1/4" to 1/2" of fine compost to help cool grass roots, reduce evaporation and provide nutrients
- Consider allowing your lawn to go dormant until fall; Watering once or twice a month is plenty to tide it over until fall rains return

#### Time for a new mower?

Choose a "mulching mower" which cuts the grass very fine and blows the clippings down to the soil where they are needed to cool the soil and feed your lawn.

## STREAM TEAM MISSION

To protect and enhance the water resources, associated habitats and wildlife of Thurston County through citizen education and action.

*Stream Team is funded by Storm and Surface Water Utility revenues.*

*Stream Team programs are funded by the stormwater utilities of Lacey, Olympia, Tumwater and Thurston County and are designed to comply with National Pollutant Discharge Elimination System (NPDES) permit requirements.*

## STREAM TEAM INQUIRIES

### IN LACEY:

City of Lacey Water Resources Program  
P.O. Box 3400, Lacey, WA 98509-3400

**Attn: Erin Keith**

Tel: 360-438-2687

TDD: 1-800-833-6388

### IN OLYMPIA:

City of Olympia Water Resources Program  
P.O. Box 1967, Olympia, WA 98507-1967

**Attn: Patricia Pyle**

Tel: 360-570-5841

TDD: 360-753-8270

### IN TUMWATER:

City of Tumwater Water Resources Program  
555 Israel Road SW, Tumwater, WA 98501

**Attn: Debbie Smith**

Tel: 360-754-4148

TDD: 1-800-833-6388

### IN THURSTON COUNTY:

Thurston County Water Resources Program  
929 Lakeridge Dr. SW, Olympia, WA 98502

**Attn: Chris Maun**

Tel: 360-754-3355 EXT 6377

TDD: 360-754-2933

## NEWSLETTER CONTRIBUTORS:

Erin Keith, Lacey Stream Team;  
Patricia Pyle & Michelle Stevie,  
Olympia Stream Team; Debbie Smith,  
Tumwater Stream Team; and  
Chris Maun & Ann Marie Finan,  
Thurston County Stream Team

## DESIGN & LAYOUT:

Azure Summers Graphic Design

## SPECIAL NEEDS?

Citizens requiring special accommodations can call one of the coordinators listed at least one week prior to an event to make special arrangements.



# The Purple Martins Are Here!

## Interested in monitoring these amazing aerial acrobats? Join the East Bay Purple Martin Monitoring Team!

Mid to late April marks the return of the largest swallow in North America, the purple martin. Migrating to the Pacific Northwest and up into Canada from as far away as the Amazon River and southern Brazil, the martins return to their summer homesites, delighting us with their aerial acrobatics.

The martin has a body length of about 17-20 centimeters (6.7-7.8 inches). Adult males are uniformly iridescent purple to blue-black in color. Females and immature birds are colored similarly, but slightly lighter on the chest. Sometimes the female will have a faint collar around her neck. The tails of purple martins are slightly forked.

Purple martins once nested exclusively in large tree cavities along rivers and coastal shorelines, feeding on flying insects. Due to increased development along our shorelines, most purple martins now nest in man-made nest boxes like the ones monitored by Stream Team volunteers at East Bay.

Purple martins form monogamous pairs through the nesting season, and the pair prefers to nest in boxes over water. Within the nest box, both members of the pair build a nest cup of leaves, grass and twigs, with mud at the base of the entrance hole. The female incubates four to five eggs for 15 to 18 days, possibly

with some incubation by the male. Both members of the pair feed the young. The young leave the nest at 28 to 29 days, and the parents continue to feed them for five to seven more days. In late summer, the purple martins gather with other purple martin colonies and begin the long migration back to South America.

Nest box programs have helped to stabilize the declining purple martin populations, but require monitoring and maintenance to ensure that purple martins return year after year. Through the dedication of volunteers monitoring this species and the valuable data they supply, the population of purple martins in Washington is slowly increasing.

### Things You Can Do To Help Purple Martins

- **Retain dead and dying trees (snags) on the landscape (especially near saltwater and wetland sites)**
- **Avoid using pesticides**

Today there are 26 purple martin nest boxes located in East Bay (Olympia) that have been erected and monitored by Stream Team volunteers. Between late April, when the martins arrive, until early September, when they migrate south, volunteers have the opportunity

to observe the martins as they build their nests and fledge their young.

Stream Team volunteers help monitor the nest boxes weekly for nesting activity and fledgling success. Once the martins have left for the season, volunteers also help clean the nest boxes, readying them once again for occupation in the spring. Monitoring is easy and takes only one hour per week. If you are interested in observing these amazing swallows, contact Michelle Stevie at [mstevie@ci.olympia.wa.us](mailto:mstevie@ci.olympia.wa.us) or 360-753-8336 for more information or to sign-up.



## Stream Team Volunteers Share in Tumwater Award

The City of Tumwater was honored with the state-wide "Wildlife Steward of the Year" award from the Washington Association of Conservation Districts. The award recognizes the enhancement of wildlife habitat in Tumwater through the revegetation projects completed along the Deschutes River and Percival Creek.

Stream Team volunteers have worked many hours over the years to remove invasive species and plant thousands of native trees and shrubs along both riparian corridors. This restored native vegetation has improved water quality and wildlife habitat along both the Deschutes River and Percival Creek in Tumwater.

At the award ceremony before Tumwater City Council, representative Stream Team volunteers were present to receive the award. Volunteers Steve Parks, Barbara Tomford, Eagle Scout Brennan Mitchell and Tumwater Middle School science teacher, Tony Harris and students were recognized on behalf of all Stream Team volunteers who have worked on Tumwater projects. Thanks to all of the Stream Team volunteers who have worked along the Deschutes River and Percival Creek. Great job!



# This Summer: Get to K



## Marine Creature Mondays at Boston Harbor Marina

**Mondays, 11:30 a.m. & 1 p.m.** ❤️

**July 11 • July 18 • August 1 • August 8 •  
August 22 • August 29**

For most of us, the undersea world of Puget Sound is “out of sight and out of mind”. Join Stream Team for an opportunity to see and learn about the bottom-dwelling marine creatures without getting wet! Diver, Phil Sconce brings marine creatures to the surface, and retired volunteer marine biologists David Jamison and Joe Hiss tell a little about the

marine creatures, their habitat needs and what is required to keep Puget Sound clean and healthy. The critters are kept in seawater and gently released back into Puget Sound.

By popular demand, Marine Creature Mondays has been expanded to six Mondays this summer! Sign up is necessary to keep the group size small. For reservations or more information, contact Michelle Stevie at [mstevie@ci.olympia.wa.us](mailto:mstevie@ci.olympia.wa.us) or (360)753-8336.

Boston Harbor Marina is privately owned, but the owners graciously allow this activity on their docks. Be safe: all non-swimmers and children under six must wear a life jacket while on the docks (loaners are available at the marina). All children must be accompanied by an adult.

## Boston Harbor Beach Seine ❤️

**Thurs., July 28 • 5:45 p.m.**

**Meet at Boston Harbor Marina**

The nearshore environment is filled with fish that like the safety and security of shallow waters to rest and feed. These fish are critical to the marine food web. Join Squaxin Island Tribe biologist, Scott Steltzner for a beach seine at Boston Harbor. Meet at Boston Harbor Marina. The seining location is a short walk away. Participants will help unroll a seining net in the nearshore area and pull the net to shore to see what was caught. Scott will identify and talk about the fish and other marine creatures that are found in the net.

To register or for more information, contact Michelle Stevie at [mstevie@ci.olympia.wa.us](mailto:mstevie@ci.olympia.wa.us) or (360)753-8336.



## Historic Shoreline Guided Walks – All Summer Long!

Take a leisurely walk in downtown Olympia with Stream Team’s Sound Stewards to learn about **Budd Inlet, the Deschutes River and Capitol Lake**. Learn about the ecology, geology and wildlife of Budd Inlet, as well as how and why people increased the land area; what this means for flooding, sea level rise and water quality; and what we can do now to keep Puget Sound healthy.

**Starting Memorial Day weekend on Saturday, May 28 and running through Labor Day weekend, Sunday, September 4, walks will be offered 3 times per week, weather permitting\*:**

**Every Saturday and Sunday at 10 a.m. • Every Wednesday at 6 p.m.**

Meet at Percival Landing next to Bayview Thriftway (and Budd Inlet). Please do not park in the Bayview Thriftway parking lot; there is plenty of free on-street parking nearby. Arrive 5 to 10 minutes early. Walks start punctually. Walk includes Percival Landing boardwalk and part of Capitol Lake and Heritage Park and is approximately one mile of flat walking terrain. The guided walk takes about 90 minutes. Just show up or call/e-mail to make a reservation. Special accommodation can be made for groups wanting a different time and/or date. Contact Patricia Pyle for information or reservations at [ppyle@ci.olympia.wa.us](mailto:ppyle@ci.olympia.wa.us) or 360-570-5841.

*\*Walks will not be offered in the pouring rain.*



# Know South Puget Sound

## Mark the Historic Budd Inlet Shoreline

Sat., June 4 • Meet at the Olympia Center • 222 N. Columbia Avenue

Did you know that downtown Olympia doubled in size with dredging and fill? In 1911, the first major successful dredge and fill project grew the city by 29 blocks and piped Moxlie Creek underground. Nearly 20 additional dredging activities would occur until the 1980's. Where is the original shoreline? Find out by helping to mark the original shoreline with ribbons, and then take an educational walk with local historians.

**MARK HISTORIC SHORELINE 10 a.m. – 11 a.m.**

Meet at the Olympia Center to get block assignments and instructions to mark the original shoreline.

**HISTORIC SHORELINE WALK 11 a.m. – 12:30 p.m.**

Meet at the Olympia Center. Join historians Shanna Stevenson, Drew Crooks and Ed Echtle from the Bigelow House Museum and Olympia Historical Society for a downtown walk to learn about the shoreline and local history.

Contact Anna Stifter, Olympia Stream Team Intern, for more information at 360-570-3794.

## Beach Naturalists

The South Sound Estuary Association's (SSEA) Beach Naturalist program is in its second year with an expanded focus: more beaches and more times. During low tides, trained volunteer Beach Naturalists will be on hand at Frye Cove, Burfoot Park, Tolmie State Park and Priest Point Park to answer questions about beach critters and talk about habitat, water quality and conditions at each location. Dates, times and locations vary throughout June, July and August. Go to [www.sseacenter.org](http://www.sseacenter.org) for the schedule and to learn more about SSEA.



## Take a Self-Guided Tour

### Burfoot Park, Tolmie Park, Boston Harbor Marina

Explore local beaches and marina life with the new Puget Sound Sea Life brochures. Retired marine biologist, David Jamison provided the photos and text for these colorful and educational brochures for the beaches at Burfoot, Tolmie Parks and Boston Harbor Marina. Find these brochures at Stream Team events, on-line at [www.streamteam.info](http://www.streamteam.info) or [www.pugetsoundsealife.com](http://www.pugetsoundsealife.com), or send a request to [Streamteam@ci.lacey.wa.us](mailto:Streamteam@ci.lacey.wa.us)





## Mark Your Calendar for Henderson Inlet Watershed Tour!

Join Stream Team on **Sunday, Sept. 18, from Noon to 4 p.m.** to learn more about Woodland Creek and the Henderson Inlet Watershed. The tour will begin at Lacey City Hall and feature stops at a variety of interesting features that make up this highly varied watershed.

The tour is free, but registration is required. More information on this tour will be posted on [www.streamteam.info](http://www.streamteam.info) as this event is more fully developed. To register, contact Chris Maun at [maunc@co.thurston.wa.us](mailto:maunc@co.thurston.wa.us) or 360-754-3355 ext.6377.

## Featured Watershed: Woodland Creek/Henderson Inlet

The Henderson Inlet Watershed, located at the northeastern tip of Thurston County, includes portions of Olympia, Lacey and Thurston County. Henderson Inlet is one of the five major inlets that comprise the southern terminus of Puget Sound, along with Budd, Eld, Totten and Nisqually Reach. This watershed drains approximately 40 square miles in total area. Five major streams flow into Henderson Inlet: two large tributaries, Woodland and Woodard Creeks, and three smaller streams, Dobbs Creek, Snug Creek and Sleepy Creek.

Flowing through the heart of Lacey, Woodland Creek is a fascinating example of an urbanized creek that still supports several species of salmon, including Chinook, coho and chum. Like many rapidly urbanizing areas, the Woodland Creek sub-watershed faces problems. Increasingly, the land that drains into the creek is being developed, changing prairies and woodlands to impervious surfaces, such as roofs, driveways, roads and parking lots. These impervious surfaces create large amounts of stormwater runoff. Currently, almost 28% of the Woodland Creek sub-watershed is characterized as impervious. An impervious surface area of 10% or greater in a watershed begins to degrade the receiving stream.

Woodland Creek's source is the first of a chain of three lakes and their associated, connecting wetlands. Hicks Lake is at the top of this complex and is connected to Pattison Lake via a wetland area and ditch that flows beneath Mullen Road. From Pattison Lake, water flows into Long Lake via another wetland area and a ditch that is easily seen below the Mullen Road Burlington Northern overpass/trestle. From Long Lake, Woodland Creek meanders through Lacey's Woodland Creek Community Park and into Lake Lois. Flowing northward, through the Saint Martin's campus and under Martin Way and I-5, Woodland Creek eventually enters the southern end of Henderson Inlet.

In order to reduce stream scouring and pollution caused by large volumes of stormwater running off streets and other impervious surfaces, the City of Lacey recently completed a major regional stormwater retention and treatment facility near the Saint Martin's campus. By storing stormwater during periods of heavy rain and releasing the treated water slowly into Woodland Creek, stream flows are made steadier and cleaner, especially during dry summer months.

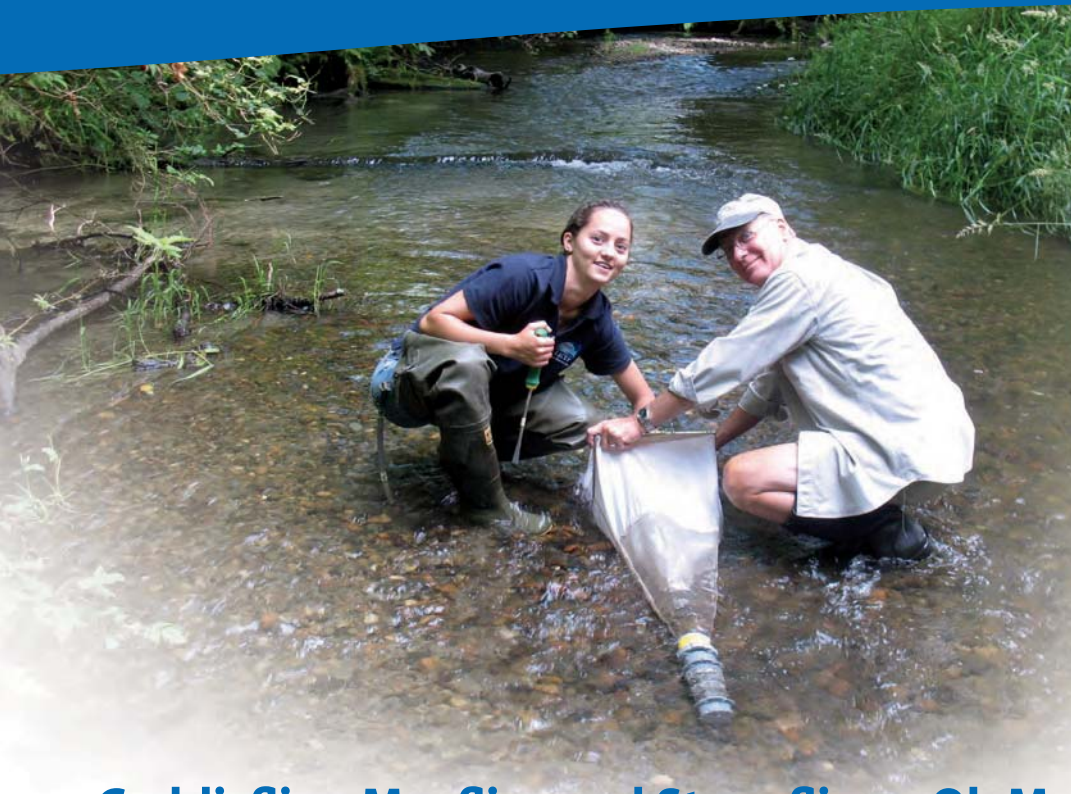
As the largest surface water contributor of fecal coliform bacteria to Henderson Inlet, Woodland Creek is also

on the State Department of Ecology's list of impaired water bodies. For decades, the rich and fruitful shellfish growing areas have been subject to restrictions and closures by the State Department of Health, especially after periods of heavy rains. Since shellfish are one of the best indicators of the health of Puget Sound, Thurston County established a Henderson Inlet Shellfish Protection District that involved many residents and stakeholders of the inlet in finding solutions to the pollution problems. (For more information about Shellfish Protection Districts, go to <http://www.co.thurston.wa.us/shellfish/publicationsmedia.htm#waterquality>)

Failing septic systems and pet waste were found to be the major contributors of fecal coliform bacteria in Henderson Inlet. In 2005, Thurston County Environmental Health created a program to improve septic system operations and maintenance in the watershed. Additional agencies and organizations embarked on an effort to encourage citizens to pick up pet waste. While only one part of many efforts to improve water quality, the Henderson Shellfish Protection District was instrumental in the 2010 reopening of 240 acres of shellfish-growing tidelands in the north portion of the Henderson Inlet. The re-opening of the shellfish beds was

▷ continued on page 10





## Caddisflies, Mayflies and Stoneflies...Oh My!

### It's That Time of Year Again..."Stream Bug" Monitoring Time! ♥

Looking for something fun and worthwhile to do this summer? Want to learn more about local creeks? Here's a chance to get your feet wet while helping Stream Team gather valuable information about the biological health of our local streams. This information comes from "stream bug" samples collected by Stream Team staff and volunteers at 20 stream sites in Thurston County.

#### What is a "stream bug"?

Stream bugs are critters that have no backbone and live all or part of their lives in the bottom of the stream. Stream bugs, otherwise known as benthic macroinvertebrates, include much more than "bugs" (insect pupae and larvae). They also include aquatic worms and spiders, crustaceans such as crayfish, snails, clams and much more. Their

presence or absence from streams can tell a story about the biological health of streams. The story is told through the Benthic Index of Biological Integrity (BIBI).

#### What is a BIBI?

Once collected, the "stream bug" samples are sent to a lab to be analyzed to determine the types and frequencies of bugs in the sample. This information is used to determine the Benthic Index of Biological Integrity (BIBI). The BIBI is an index used to measure the biological health of streams as they relate to human activity. The ten metric BIBI compares what is found at a stream monitoring site to what is expected in a pristine stream using a regional baseline. The BIBI is a score. Higher scores are associated with more pristine watersheds. Lower scores are associated with urban areas.

Human activities, such as replacing trees with lawns, constructing roads and applying pesticides, impact the natural processes within a watershed and its streams. These impacts can have immediate and long-lasting effects on stream health and the critters that live in them.

#### Sign Me Up! What's next?

Attend one of the two trainings offered and sign up for one or more monitoring sites. During the training, volunteers will receive the monitoring schedule. The actual monitoring for each site will be scheduled for weekdays or weekends in July or August. Monitoring takes approximately 3 to 6 hours, depending on the site.

The training will be offered on two weekday evenings at McLane Creek Nature Trail, located off of Delphi Road.

**Thursday, June 9, 6 p.m. – 9 p.m.**

**OR Monday, June 20, 6 p.m. – 9 p.m.**

*(You only need to attend one of the trainings.)*

To register for a training, contact Ann Marie at [finanam@co.thurston.wa.us](mailto:finanam@co.thurston.wa.us) or 360-754-3355 ext. 6857.

#### Not Available For Either Training Date?

If you are interested in helping with "stream bug" monitoring this summer, but are not available to attend either of the training dates, contact Ann Marie.

#### 2010 BIBI Results IN!

To view the results, please go to the Stream Team website at [www.streamteam.info](http://www.streamteam.info) (Note: the Stream Team website is being revised and improved! Stay tuned for more information.)



# Puget Sound Starts Here

## SUMMER REMINDER

As summer brings warmer, drier days with extended evening hours of light, it's also prime time for household maintenance chores. It may be time to work on the car, paint the house, work in the yard, or relax in a back yard swimming pool or hot tub. All of these activities can potentially lead to stormwater pollution. Car fluids, paints, household and yard chemicals and hot tub and swimming pool water should never be allowed to be washed into streets and storm drains, since most storm drains flow to local waterways and into Puget Sound. Not only is preventing stormwater pollution a good idea, it's the law. Violators can be fined.

Here are some tips to help you keep our waterways healthy this summer:

### IMPORTANT PHONE NUMBERS:

HazoHouse . . . 360-867-2491

WA Dept. of Ecology  
Spill Hotline . 360-407-6300

### Car Maintenance

- Use drip pans, tarps, cardboard or newspaper under your car to collect any drips
- Collect car fluids in separate containers with tight-fitting lids and recycle
- Clean up spills with sand or cat litter, sweeping up debris and place in trash
- Store automotive parts and supplies under cover and off the ground
- Always clean your car's undercarriage or engine at a commercial car wash
- Redirect dirty car wash water to gravel, lawn or landscaping
- Take your car to a commercial car wash, which recycles water and helps remove pollutants

### Home Maintenance

- Latex paint: wash brushes in the sink, so the dirty washwater flows to the sanitary sewer. Items with dried latex paint may be placed in the trash.
- Oil paint, paint thinners and solvents: must be taken to HazoHouse
- Redirect pressure washing wastewater to pervious areas such as gravel, lawn or landscaping
- Pour carpet cleaning wastewater into the sink (through a strainer to collect debris) if you are on a sewer system; Pour onto gravel, lawn or landscape if on a septic system
- Direct wash water from concrete/cement projects onto gravel or soil
- Make sure outdoor garbage cans do not leak and have tight-fitting lids

### Yard Maintenance\*\*

- Keep grass clippings, leaves and other yard debris out of streets, storm drains, ditches, stormwater ponds and waterways
- Never apply yard chemicals near water or in the rain (manual weed and pest removal preferred)
- Store all fertilizers and lawn products under cover and off the ground
- Store piles of beauty bark, compost and other erodible materials on gravel or grass, and cover piles with a tarp

### Swimming Pool/Hot Tub Maintenance

- Dechlorinate your pool or hot tub with neutralizing chemicals before draining
- Water that has a chlorine level of below 3 ppm and has not been treated with copper-based algaecides may be discharged to the ground in a manner that does not allow the water to cause erosion, enter the storm drain or encroach on a neighbor's property
- Chlorinated water must be discharged to the sanitary sewer or collected by a pool maintenance company

*\*\*For more tips on yard maintenance see Stream Team's Spring Newsletter at [www.streamteam.info](http://www.streamteam.info) or visit the Common Sense Gardening Program at [www.co.thurston.wa.us/health/ehcsg/index.html](http://www.co.thurston.wa.us/health/ehcsg/index.html)*



## Protect Native Wildlife from Exotic Wildlife

As the school year ends, classroom pets may need somewhere to go, or when children tire of caring for household pets, parents often wonder what to do with these animals. Unfortunately, these non-native pets often get released into the wild to fend for themselves. Some animals survive and, in turn, may cause problems for native wildlife by spreading new diseases or eating native species and disrupting the local ecosystem.

### What should you do?

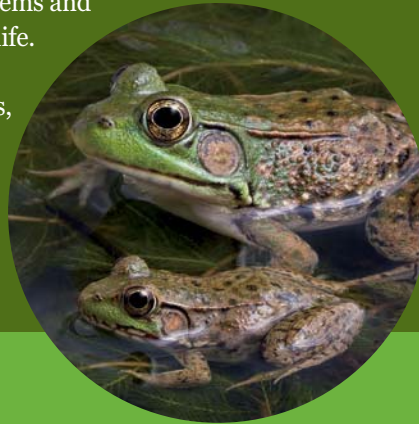
Instead of releasing unwanted classroom, laboratory or household animals into the wild, consider one of the following alternatives:

- **Find the animal a new home or classroom that will be responsible for its long-term care**
- **Return it to the place where it was purchased**
- **Keep it as a pet**
- **Donate it to your local natural history museum, science center, zoo or aquarium**
- **Consider humane euthanasia (contact your local veterinarian)**

All of these alternatives outweigh the risk of releasing captive animals into the wild. To avoid the problem of what to do with unwanted classroom, laboratory or household animals, decide what you will do with them before you obtain them. Although the release of "one little animal" into the wild may seem benign, that action could have long-term serious biological, and possibly legal, consequences.

### Bullfrog (*Rana catesbeiana*)

The bullfrog is a non-native or exotic pet often released into the wild that has wreaked havoc on freshwater ecosystems and decimated the populations of vulnerable wildlife. The bullfrog is a voracious hunter who preys upon native populations of small birds, turtles, snakes, crayfish, native frogs, salamanders and fish. The bullfrog has been introduced into many wetland areas outside its natural range and has out-competed the native species where it has been released.



### Red-eared Slider Turtle (*Trachemys scripta elegans*)

The red-eared slider turtle is another non-native pet often released into the wild with negative consequences for native species. Though native to the southern USA, it has been introduced and released all across the United States. Red-eared sliders have a life span of 20-50 years and eat a variety of animal and plant species including fish, crayfish, tadpoles, snails, aquatic insects and numerous aquatic plant species. This exotic species may carry diseases that can be devastating to native turtle species.



Celebrate  
World Oceans Day  
in Olympia  
June 4 & 5

## Sea Cinema Film Festival & "Under the Sea" Block Party

### Free Movies and Family-Friendly Activities!

World Oceans Day is celebrated around the world. In Olympia, People for Puget Sound started the two-day Sea Cinema Festival in 2008 as part of this recognition. Sea Cinema has grown to include a family-friendly block party. Join the fun and take advantage of free films and activities for all! Sea Cinema is sponsored by a committee of local environmental groups, including Stream Team, and is funded through grants and local businesses. All the films and activities are FREE! There will be something for all ages!

### FRIDAY, JUNE 3

#### Sea Cinema Movies

**6 p.m. – Midnight • FREE Movies**  
**Capitol Theater, Downtown Olympia**  
(on 5th near Washington St.)

Nine films, including *Encounters at the End of the World*, and a presentation by Cascadia Research Collective Founder and Researcher, John Calambokidis.

### SATURDAY, JUNE 4

#### Mark the Historic Shoreline

(see details on page 5)

**10 a.m. – 12:30 p.m.**

#### "Under the Sea" Block Party

**4 p.m. – 6 p.m.**

**In front of the Capitol Theater, Downtown Olympia** (5th Avenue between Washington St. and Franklin St.)

Live marine critter touch tank, hands-on educational activities, arts and crafts, shellfish tasting, live music (including sea shanties), FREE raffle and more! Plus, there will be cake to celebrate the 20th anniversary of People for Puget Sound.

#### FREE Movies

**6 p.m. – Midnight • FREE Movies**

7 films, including *OCEANS*, by DisneyNature

\*For more information about the films or the block party, go to [www.seacinema.org](http://www.seacinema.org)



# Salmon Stewards: What Are You Waiting For? ❤️

As you are reading this newsletter, somewhere between the feeding grounds of the Pacific Ocean and South Sound, Deschutes River Chinook and McLane Creek chum are on their way back to their natal streams to complete their life cycle as mature adult salmon ready to spawn. The incredible life cycle of salmon is appreciated, and even revered, by many cultures in the northern hemisphere. The evolution of this species of fish to return to the fresh water stream or river of its birth has created an entire ecosystem of people, animals, forests and rivers dependent on this annual migration.

In South Sound, Stream Team has “adopted” two salmon runs that have two very different life cycles: the hatchery-origin Deschutes River Chinook and the wild-origin McLane Creek chum. Beginning in August, Stream Team trains volunteers, called Salmon Stewards, to be educators at three popular salmon viewing areas to answer questions and talk to the public about salmon.

Salmon Stewards are trained by Larry Phillips, the regional WA Dept. of Fish & Wildlife (WDFW) fish biologist about these two salmon runs. The basic classroom trainings and additional field class trainings give Salmon Stewards the necessary background information to answer questions and discuss salmon life history with the public at each site.

In mid-August, the Deschutes River Chinook will make their appearance at the 5th Avenue Bridge and, within a few weeks, can be seen at Tumwater Falls Fish Facility through early October. In November, wild chum salmon will be spawning in McLane Creek, where their mating behavior can be easily viewed at the McLane Creek Nature Trail.

If you like to talk to people and enjoy being outside watching salmon, then consider becoming a Salmon Steward! The required training for new Salmon Stewards is two classroom sessions and two field trainings for the Deschutes River and/or one field class for McLane Creek. In return for the free training, Salmon Stewards are expected to volunteer a minimum of 6 hours total (three 2 hour shifts) at the site(s) of their choice.

## Training Schedule:

- |                       |  |
|-----------------------|--|
| <b>Tues., Aug. 9</b>  | <b>New Salmon Steward Basic Training: Part 1</b><br>6:30 – 9 p.m., Olympia City Hall, Room 207 |
| <b>Tues., Aug. 16</b> | <b>New Salmon Steward Basic Training: Part 2</b><br>6:30 – 9 p.m., Olympia City Hall, Room 207 |
| <b>Sat., Aug. 20</b>  | <b>5th Avenue Bridge/Dam Field Training</b><br>10 a.m. – Noon                                  |
| <b>Sat., Sept. 17</b> | <b>Tumwater Falls Park WDFW Fish Facility Field Training</b><br>10 a.m. – 1 p.m.               |
| <b>TBA, Nov.</b>      | <b>McLane Creek Nature Trail</b>   |

To sign up or for more information, contact Patricia Pyle at [ppyle@ci.olympia.wa.us](mailto:ppyle@ci.olympia.wa.us) or 360- 570-5841.



## Featured Watershed ▷ continued from page 6

the first in Henderson Inlet since restrictions were placed by the State Department of Health more than 25 years ago. The shellfish upgrade in the north portion of Henderson Inlet is considered a dramatic win in the battle against degraded water quality in the entire Puget Sound region. Nevertheless, the south end of Henderson Inlet, at the mouth of Woodland Creek, remains closed to shellfish harvesting due to bacterial pollution, so work remains to be done.

As a testimony to this effort, as well as all of the work that the City of Lacey and Stream Team have done in planting thousands of native trees and shrubs in many parts of the upland areas of the Woodland Creek, marking storm drains and installing bag dispensers for pet waste pickup, Henderson Inlet has something new for everyone to be proud of: edible shellfish! The Henderson Inlet Community Shellfish Farm now enables local people to purchase shares of a sustainable food resource. Just like buying farm shares, participants can now buy shares of Henderson Inlet Pacific oysters. Unique in the United States, this community-supported aquaculture effort is truly a testament to community-wide success in maintaining and improving water quality in the entire Henderson Inlet Watershed.







# Stream Team Events ▽

Driving directions to work parties and Waiver of Liability Form are available on our website at [www.streamteam.info](http://www.streamteam.info)

## JUNE

### Sea Cinema Festival

**Fri., June 3 & Sat., June 4**  
**6 p.m. – 12:30 a.m. each day**

Capitol Theater, Olympia

For more information, including a list of films and times, go to [www.seacinema.org](http://www.seacinema.org)

Sea Cinema and the "Under the Sea" Block Party are FREE, family-friendly events held in celebration of World Oceans Day. Sea Cinema features a series of water-related movies. The "Under the Sea" Block Party includes live music, arts and crafts, hands-on activities, live marine critter touch tank, shellfish tasting, free raffle and more!

### "Under the Sea" Block Party

**Sat., June 4 • 4 p.m. – 6 p.m.**

Capitol Theater, Olympia

To volunteer to staff the Stream Team booth, or to assist with set-up and take-down, contact Ann Marie @ 360-754-3355 ext. 6857 or [finanam@co.thurston.wa.us](mailto:finanam@co.thurston.wa.us)

### Mark the Historic Budd Inlet Shoreline & Historic Shoreline Guided Walk

**Sat., June 4 • 10 a.m. – 12:30 p.m.**

Meet at The Olympia Center,  
222 Columbia St. NW

Contact Patricia @ 360-570-5841  
or [ppyle@ci.olympia.wa.us](mailto:ppyle@ci.olympia.wa.us)

### McLane Creek Nature Trail Work Party

**Wed., June 8 • 10 a.m. – 1 p.m.**

McLane Creek Nature Trail

Contact Ann Marie @ 360-754-3355 x6857  
or [finanam@co.thurston.wa.us](mailto:finanam@co.thurston.wa.us)

### "Stream Bug" Monitoring Training

**Thurs., June 9 • 6 p.m. – 9 p.m.**

**OR Mon., June 20 • 6 p.m. – 9 p.m.**

Olympia. Registration required.

Contact Ann Marie @ 360-754-3355 x6857  
or [finanam@co.thurston.wa.us](mailto:finanam@co.thurston.wa.us)

### "Meet the Trees of Washington" Field Class

**Sat., June 11 • 10 a.m. – 3:30 p.m.**

Olympia. Registration required.

Contact Native Plant Salvage Project  
@ 360-867-2166 or [nativeplantsalvage@gmail.com](mailto:nativeplantsalvage@gmail.com)

### McLane Creek Nature Trail Work Party

**Thurs., June 30 • 4:30 p.m. – 7:30 p.m.**

McLane Creek Nature Trail. Pizza will be provided.

Contact Ann Marie @ 360-754-3355 x6857  
or [finanam@co.thurston.wa.us](mailto:finanam@co.thurston.wa.us)

## JULY

### Tumwater 4th of July Celebration

**Mon., July 4 • 6 p.m. – 10:30 p.m.**

Tumwater Valley Municipal Golf Course

To volunteer in the Stream Team booth or assist with set-up or take-down, contact Debbie @ 360-754-4148 or [dmsmith@ci.tumwater.wa.us](mailto:dmsmith@ci.tumwater.wa.us)

### Marine Creature Mondays

**July 11 • 11:30 a.m. & 1 p.m.**

**July 18 • 11:30 a.m. & 1 p.m.**

Boston Harbor Marina

Registration required. To register or for more info., contact Michelle @ 360-753-8336  
or [mstevie@ci.olympia.wa.us](mailto:mstevie@ci.olympia.wa.us)

### McLane Creek Nature Trail Work Party

**Wed., July 13 • 10 a.m. – Noon**

McLane Creek Nature Trail

Contact Ann Marie @ 360-754-3355 x6857  
or [finanam@co.thurston.wa.us](mailto:finanam@co.thurston.wa.us)

### Beach Seining

**Thurs., July 28 • 5:45 p.m. – 8 p.m.**

Boston Harbor

Contact Michelle @ 360-753-8336  
or [mstevie@ci.olympia.wa.us](mailto:mstevie@ci.olympia.wa.us)

## AUGUST

### Marine Creature Mondays

**Aug. 1 • 11:30 a.m. & 1 p.m.**

**Aug. 8 • 11:30 a.m. & 1 p.m.**

**Aug. 22 • 11:30 a.m. & 1 p.m.**

**Aug. 29 • 11:30 a.m. & 1 p.m.**

See page 4 for more information.

### Salmon Steward Basic Training: Part 1

**Tues., Aug. 9 • 6:30 p.m. – 9 p.m.**

Olympia City Hall Room 207

To register, contact Patricia at 360-570-5841  
or [ppyle@ci.olympia.wa.us](mailto:ppyle@ci.olympia.wa.us)

### Salmon Steward Basic Training: Part 2

**Tues., Aug. 16 • 6:30 p.m. – 9 p.m.**

Olympia City Hall Room 207

To register, contact Patricia @ 360-570-5841  
or [ppyle@ci.olympia.wa.us](mailto:ppyle@ci.olympia.wa.us)

### Salmon Steward Field Training

**5th Ave. Dam/Bridge • 10 a.m. – Noon**

To register, contact Patricia @ 360-570-5841  
or [ppyle@ci.olympia.wa.us](mailto:ppyle@ci.olympia.wa.us)

### Natural Resources Youth Camp

**Aug. 21 – 27 •**

Cispus Learning Center, Randle WA.

Ages 12-17. Contact Debbie @ 360-754-4148  
or [www.nryc.org](http://www.nryc.org)

## JUNE • JULY • AUGUST

### Historic Shoreline Guided Walks

**Every Sat. & Sun. • 10 a.m.\***

**Every Wed. • 6 p.m.\***

\*Weather permitting

Contact Patricia @ 360-570-5841  
or [ppyle@ci.olympia.wa.us](mailto:ppyle@ci.olympia.wa.us)

**EARN YOUR FREE "P.S. I LOVE YOU" BAG**  
by participating in

four types of Stream Team events:

Macro Monitoring • Salmon or Sound Stewarding  
Tree Planting • Educational Workshop

Earn your own tote bag and show everyone that Puget Sound is in your heart!  
Look for the "P.S. I Love You" stamp next to the events in our calendar for qualifying events.







# Stream Team

EDUCATE • PROTECT • RESTORE  
Olympia • Lacey • Tumwater • Thurston County

929 Lakeridge Dr SW  
Olympia, WA 98502  
[www.streamteam.info](http://www.streamteam.info)

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## Summer Marks the Marking Season

Over the past five years, Stream Team volunteers have applied thousands of storm drain markers in neighborhoods throughout Lacey, Olympia, Tumwater and Thurston County that direct the public not to dump anything into storm drains as they lead to our waterways. This continuing effort by Stream Team volunteers has helped to create a better understanding about the link between storm drains and clean streams.

If you, your family or youth group would like to be involved with this important program to help protect local streams, groundwater and Puget Sound, please contact your local Stream Team Coordinator. Plus, Stream Team can provide community volunteer service hours through this important program.

In Lacey, Erin Keith ..... 360-438-2687  
In Olympia, Michelle Stevie ..... 360-753-8336  
In Tumwater, Debbie Smith ..... 360-754-4148  
In Thurston County, Chris Maun ..... 360-754-3355  
ext. 6377



*Get Involved* WITH STREAM TEAM!  
[www.streamteam.info](http://www.streamteam.info)

### Get this newsletter delivered to your mailbox or inbox!

Send an email to [streamteam@ci.lacey.wa.us](mailto:streamteam@ci.lacey.wa.us) and provide us with your name, mailing and/or email address and we will get you on the list.

*This list is maintained by Stream Team and is only used for Stream Team purposes.*