



# LONG TOM WATERSHED COUNCIL

April 2006

Council Meeting

Tuesday, April 25, 2006 6:00 - 8:45 p.m.

Eugene— American Red Cross Conference Room

A new place but a good one— please see directions on back

*Amazon folks—Please bring snacks to share - we'll do the drinks!*

## AGENDA

6:00 Sign in, review info, meet & greet

6:30 **Welcome & Introductions**

*Will Bondioli, Vice-Chair, Steering Committee,  
and Mark Wilkening, Facilitator*

6:40 **Non Profit Development—update**

*Will Bondioli and Corey Johnson*

**7:00 Pesticides and Toxins in the  
Long Tom River— What we know  
and why are these of interest**

*Hank Johnson, Hydrologist, Willamette Chief for the  
National WQ Assessment Program, USGS*

### Break

7:45 **Restoration priorities for Pesticides, Toxins,  
Nutrients, Bacteria**

*Cindy Thieman, Projects & Monitoring Coordinator*

**What kind of education efforts work and  
don't: findings from the Tualatin  
Watershed**

*Court Smith, Emeritus Professor of Anthropology,  
OSU, on behalf of Lisa Nielson, MA, study author*

8:30 **Announcements and closing**



Green roof with cistern-scupper insert...  
just one part of a **Stormwater  
demonstration home**—tour available  
Saturday April 29, 2pm - 3pm. RSVP 338-  
7967 or to [habitats@efn.org](mailto:habitats@efn.org).  
See flyer inside for more info!

### **\* Inside \***

⇒ Restoration  
priorities

⇒ Thinking of a  
project?

## Our Mission

*The Long Tom Watershed Council serves to improve water quality and watershed condition  
in the Long Tom River basin through education, coordination, consultation, and cooperation among all  
interests, using the collective wisdom and voluntary action of our community members.*

# Council's Restoration Priorities

## Selected portions: AQUATIC: Water Quality

From Full Draft, Version 4, December 15, 2005 (full draft available at [www.longtom.org](http://www.longtom.org))

Contact: Dana Erickson, Watershed Coordinator, 683-6578

### **Pesticides and Toxins**

*Status and Priority:* USGS Willamette River Water Quality report findings suggest a reduction in pollution levels is needed in the Long Tom River Basin. This could be a significant limiting factor threatening aquatic health, yet specific geographic data is sparse, and collection is limited due to the prohibitive cost. Acute levels are especially important as they can quickly impair or kill aquatic life. High levels are transferable and become a problem downstream also. Pesticides and toxins are not only a local problem, however, and the types of actions it requires to change the pollution sources and levels suggests an approach needs to be prioritized and addressed at a larger scale than the individual watershed.

**DEQ Water Quality Limited Streams:** Amazon Creek (arsenic, lead)

**Additional Water Quality Limited Streams (per Council data):** no Council data; collection of data or review of current and relevant studies is a priority.

### **Geographic Priorities:**

Upper Amazon – high priority as we assume that this is the likely source of significant pollution contribution.

Lower Amazon, Lower Long Tom – high priority to the extent that sources of pollution exist, not because it is where the problem has accumulated.

### **Possible Project types:**

Prevention to minimize risk to local waterways; Reduction in use, especially in urban and rural resident areas where over-application is common; Monitoring (in collaboration with USGS or local college). See also actions to Restore Riparian Area Function.

*It is important to note that these project types are not sufficient to address what may be a significant threat to aquatic health. Monitoring is essential to determine the extent of the problem, especially on the pesticides and toxins present and with known toxicity levels. Possible incoming knowledge: Clackamas Watershed Council's report on local pesticide monitoring program.*

### **Decrease nutrient levels**

*High nutrient levels encourage excessive algal growth, which deprives the stream of oxygen. This effect can also occur downstream. Council monitoring data show high levels of nitrate and phosphorus in some streams compared to average levels throughout the watershed. The City of Monroe is located within the Southern Willamette Valley Groundwater Management Area and contamination by nitrates is of primary concern.*

**DEQ Water Quality Limited Streams:** A state standard is not currently set for nutrients so there are no state listings.

**Additional Water Quality Limited Streams for temperature and DO (per Council data):** Bear (P), Coyote (P), Spencer (P), Elk (N), Ferguson (N and P), Lower Amazon (N and P), Lower Long Tom (N and P), Upper Amazon (N and P), Upper Long Tom (N), Fern Ridge Reservoir (P).

# Council's Restoration Priorities *continued...*

## AQUATIC: Water Quality (continued)

### **Geographic Priorities:**

*These priorities were set based on severity.*

Lower Amazon, Lower Long Tom, and Upper Amazon sub-watersheds

*High Priority*

Ferguson Creek, Coyote Creek, Bear Creek, Upper Long Tom, and Fern Ridge Tributaries sub-watersheds

*Medium Priority – in these areas the situation is less severe but important due to downstream impact.*

### **Possible Project types:**

Riparian Area Enhancement (RAE); riparian vegetation planting (RVP); riparian fencing (RF); off-channel watering for livestock (LWO); native shrub and forb filter strips; education and monitoring to reduce or eliminate use of fertilizers; manure management and storage facilities; Conservation Easements or agreements for high-quality areas (RCP).

## **Decrease bacteria levels**

*Bacteria is primarily a problem for human health. Excessive levels also imply riparian degradation, nutrient loading and subsequent oxygen depletion of streams, which impacts the vitality of trout. This is often caused from livestock access to streams, and manure.*

*Note: It is not known how much of a problem the delivery of bacteria from septic sources is. Assessment methods to determine bacteria source are prohibitively expensive and still produce unclear results. Funding for assessment and repair of individual systems is not known to be available. Professional opinion is that domestic livestock are a significant source based on a) the land use patterns in sub-watersheds with high bacteria levels, and b) the bacteria levels at headwater sites that set a probable "background" level for the wildlife contribution.*

**DEQ Water Quality Limited Streams:** lower Long Tom River, Coyote Creek, Fern Ridge Reservoir, Amazon Creek, Amazon Diversion.

**Additional Water Quality Limited Streams (per Council data):** Bear Creek, Ferguson Creek, Spencer Creek.

### **Geographic Priorities based on Council *E. coli* monitoring data:**

*Viewing high bacteria as an indicator of riparian degradation, high priority areas affect both humans and fish.*

Bear, Ferguson, Coyote, and Spencer sub-watersheds

*High Priority*

Upper Amazon Creek sub-watershed; Fern Ridge Reservoir (human health issue; probable sources include inflow from Coyote and Amazon Creeks, and septic); Lower Amazon Creek sub-watershed (seasonal issue; probable sources include sheep, nutria, Upper Amazon inflow); Lower Long Tom River sub-watershed (probable sources are upstream, some domestic livestock)

*Medium Priority*

### **Possible Project types:**

Manure management and storage facilities; Riparian fencing (RF); off-channel watering for livestock (LWO); Riparian Area Enhancement (RAE); riparian vegetation planting (RVP); native shrub and forb filter strips; Conservation Easements or agreements for high-quality areas (RCP).

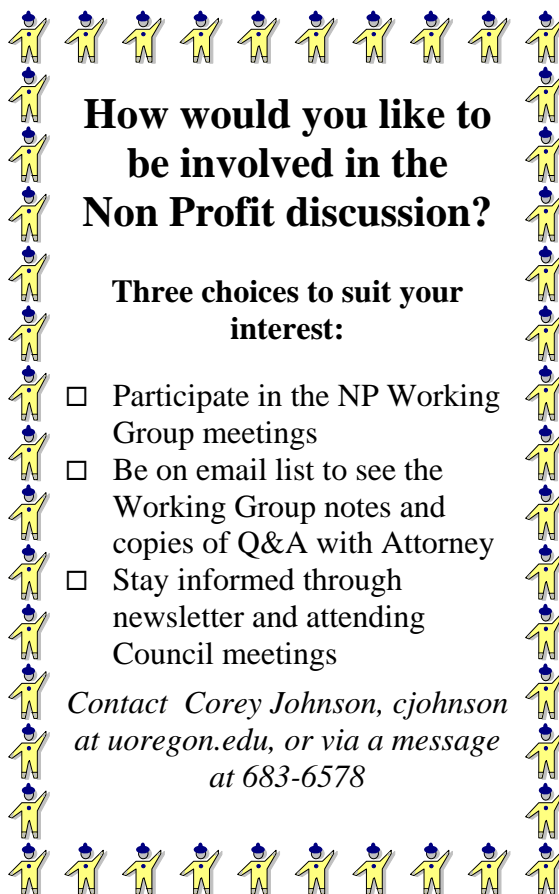
# Watershed Involvement Opportunities

## Calendar of Events

Tuesday, April 25th , 6:00pm, Eugene  
**Watershed Council Meeting**  
- Restoration Priorities for Water Quality (pesticides) *w/ guest speakers*  
- Non Profit— recommended principles for our bylaws & update on application

Saturday, April 29 2:00—3:00 p.m.  
**TOUR - Stormwater Demonstration Home, with Habitats, Inc.**  
FREE  
RSVP: 338-7967 or habitats@efn.org

Sunday, April 30, 12 noon- 4:00 pm  
**Native Plant Nursery Open House**  
Alton Baker Park  
Contact Lorna, 682-4850  
lorna.j.baldwin@ci.eugene.or.us



**How would you like to be involved in the Non Profit discussion?**

**Three choices to suit your interest:**

- Participate in the NP Working Group meetings
- Be on email list to see the Working Group notes and copies of Q&A with Attorney
- Stay informed through newsletter and attending Council meetings

Contact Corey Johnson, *cjohnson@uoregon.edu*, or via a message at 683-6578



**Have you filled out our Membership Interest Form?**

Please let us know about your interest - it's free, no hassle, and is a good way to connect in to the many opportunities of the Council

Volunteer information is part of the form—however you can share your interests without volunteering.

<http://www.longtom.org/volunteer.html>



The serious contemplation of wetland soil... so compelling to young boys. When was the last time you were out having such fun? Taxes are finally over, so time for a break to notice spring!

**Interested in other watershed councils in Oregon?**

**Network of Oregon Watershed Councils [www.oregonwatersheds.org](http://www.oregonwatersheds.org)**



## **STORMWATER MANAGEMENT DEMONSTRATION HOME GRAND OPENING TOUR APRIL 29, 2:00-3:00 PM**

***Come see what your upstream neighbors are doing  
to help protect your watershed!***

The Long Tom Watershed Council and Habitats Inc. would like to invite you to visit the Eugene Stormwater Management Demonstration Home, featuring the city's first permitted residential "green roof" and strategies for residential stormwater management. A guided tour and educational signage will describe the stormwater system and other green building components, and help inform visitors about the variety of options for reducing runoff that pollutes our creeks and rivers.

The 2,800 s.f. home utilizes an integrated water filtration, retention and irrigation system allowing it to be disconnected from the City storm sewer. The system includes a living (vegetated) roof, cistern and gravity fed irrigation system, bio-swales, storm surge pond and a drywell. Runoff from the project would have drained into Amazon Creek, taking pollutants from city streets into Fern Ridge and the Long Tom Watershed. As a result of the stormwater demonstration system, nearly 100% of stormwater at the site is retained for groundwater recharge and reuse.

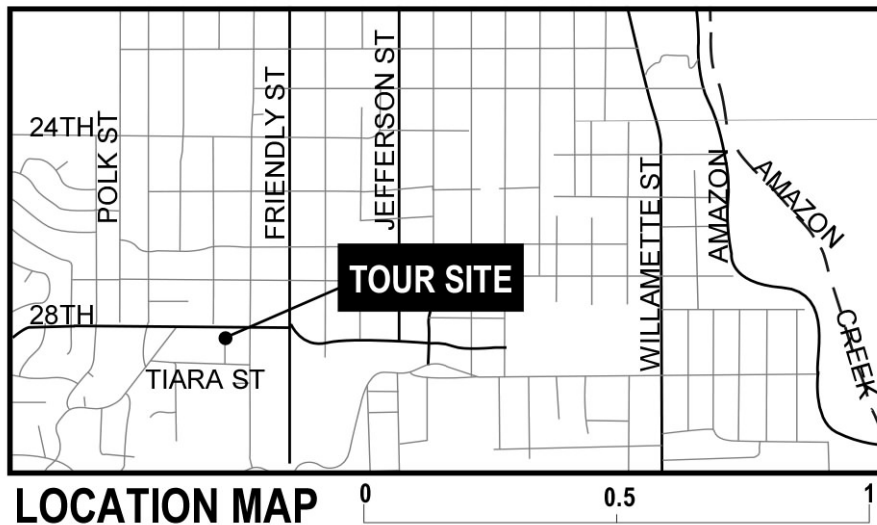
The demonstration roof and stormwater system were made possible through grants from the Oregon Watershed Enhancement Board and the Eugene Water & Electric Board as case studies for pollution prevention, stormwater management and rainwater capture for irrigation. The Long Tom Watershed Council was a supporting partner on the grant project.

**To RSVP for the April 29<sup>th</sup> tour**, or to inquire about the project, please contact Habitats Inc. at (541) 338-7967 or by email to [habitats@efn.org](mailto:habitats@efn.org).

# STORMWATER MANAGEMENT DEMONSTRATION HOME GRAND OPENING TOUR APRIL 29, 2:00-3:00 PM

You are invited to take a tour of the Eugene Stormwater Management Demonstration Home on April 29<sup>th</sup> from 2:00-3:00 pm. Tours start at 2:15 pm.

Find out about strategies you can use at home to help minimize stormwater runoff!



**LOCATION MAP**

Miles

ADDRESS: 947 Tiara Street (located in the cul de sac). Please park in the surrounding neighborhood to avoid overcrowding.

## RSVP

Habitats Inc. (541) 338-7967 | email to [habitats@efn.org](mailto:habitats@efn.org).

# End Notes

*A few notes by Dana Erickson, Coordinator*

## **Assistant Coordinator for Monitoring and Outreach**

We have received some promising applications for our Assistant position and are in the process of conducting interviews. The position will remain open until it is filled and we'll keep you posted. As soon as we have our new person these newsletters will look a lot better!

## **Notes from the March Council meeting, Veneta, March 28**

Notes from the March Council will be distributed at the April Council meeting and posted in the May newsletter. Our recorder for that meeting, Eric Freepons, has lambs that have beat us out for attention this month. Thank you Eric for all you do!

The main decision was to incorporate as a non-membership organization and seek Non-Profit status, with the caveat that the bylaws include the principles noted in the last newsletter for inclusivity, diversity, and involvement. The one addition was to ensure a diversity of perspectives, not just geography. That had been the intention however the language in the last newsletter did not spell it out well enough.

**What can you do about the  
health of the stream running  
through your place?**

Call Cindy at  
**683-2983**

to discuss project possibilities



***For the full draft of the Council's Restoration Priorities  
please go to [www.longtom.org](http://www.longtom.org)  
and we'll have maps at the meeting***

# Our Watershed & Council



*Action  
Through  
Understanding*



**Steering  
Committee**

**Lower Long Tom**

Brent Skiles  
John Reerslev  
Eric Freepons  
*Co-Secretary*

**Upper Long Tom**

Will Bondioli  
*Vice Chair*  
Dennis Capps  
Gary Nolan

**Amazon**

Sarah Medary  
Tina Fenley  
*Treasurer*  
Rich Margerum,  
*Chair*

**At Large**

Ryan Collay  
Desiree Tullos  
*Co-Secretary*

## Long Tom Watershed Ten Major Subbasins



Source: Long Tom Watershed Council, Brian Issa 9/03

**Staff**

**Coordinator**  
Dana Erickson  
(541) 683-6578

**Projects and Monitoring**  
Cindy Thieman  
(541) 683-2983





INSIDE: Meeting Tuesday in Eugene—Pesticides and Toxins in the Long Tom River.  
Stormwater Demo Home Tour! And more!  
Please get the word out—Invite a neighbor, friend or colleague!

*Long Tom Watershed Council*  
Phone: 683-6578 e-mail: *coordinator@longtom.org*  
[www.longtom.org](http://www.longtom.org)  
751 S. Danebo Avenue  
Eugene, OR 97402

**American Red Cross Conference Room      6:00 p.m. this Tuesday—April 25**



**Directions to American Red Cross  
862 Bethel Ave, Eugene OR 97402**

**Just off Roosevelt to the north,  
between Hwy 99 and Chambers**



You can easily find the American Red Cross building:

Orienting from within Eugene or from Hwy 99W:

⇒ From River Rd/Chambers Blvd - go north from W.11th and turn west/left on Roosevelt

⇒ From Hwy 99 / 6th or 7th downtown— go north and turn east on Roosevelt

⇒ Turn north onto Bethel

⇒ American Red Cross building is 0.6 miles on your left

⇒ 862 Bethel

⇒ **Free parking and plenty of it**

⇒ **Warm meeting room and free refreshments... come one come all!**

Map this location at  
[www.maps.google.com](http://www.maps.google.com)