

Welcome to the Watershed Issues Forum!



“Lakes”

Hosted by the Chambers-Clover Creek Watershed Council

At Pacific Lutheran University

November 20, 2019

What is a watershed?

We all live in a **watershed** — the **area that drains to a common waterway**, such as a stream, lake, estuary, wetland, aquifer or even the ocean — and our individual actions can directly affect it for better or worse.

The CCWC is a rain and groundwater fed system — there are no glaciers or snowpack that feed our rivers, unlike most of the watersheds that drain into Puget Sound.

WHAT IS A WATERSHED?

The Making of a River



Where is the watershed?

The watershed extends from the town of Ruston on Commencement Bay south to DuPont, and east to Frederickson, covering about 149 square miles. Major lakes include American, Spanaway, Steilacoom, Gravelly, and Tule. Major streams are Chambers, Clover, Spanaway, Morey, Murray, Flett, Leach, Puget and Peach.

Seven municipalities, three military installations, and one drainage district, as well as Pierce County, have jurisdiction concerning water quality.

The cities are: Tacoma, Lakewood, Fircrest, University Place, Steilacoom, DuPont, and Ruston.

In 2018, the watershed's population was approximately 409,843 or 2,751 people per square mile, making it a very dense urban watershed.



Watershed Council Background

The Watershed Councils were formed to implement WAC 400.12 (Local Planning and Management of Nonpoint Source Pollution) and CWA Section 319 (Nonpoint Source Management Programs). These statutes required planning on a watershed-basis in cooperation with local stakeholders.

The Chambers-Clover Watershed Action Plan – 1997, focused on reducing and preventing water quality impacts from nonpoint sources of pollution. These sources included on-site septic systems, agriculture, forest practices, boats, stormwater, and other pollution sources.

The primary role of the watershed councils continues to be networking, information sharing, and coordination. Additional roles that councils have assumed have included managing small grants programs, coordinating public events, hosting data sharing, hosting public forums, developing and delivering outreach messages, identifying and advocating for watershed priorities, and more. Participants bring additional background, local knowledge, and skills to the table.

Note: CCWC is a voluntary convening body; it is not a legal entity or nonprofit organization.

Recognizing our CCWC Leaders

Executive Committee:

Chair: **Renee Buck**

Vice Chair/Secretary: **Cindy
Haverkamp**

Treasurer: **Al Schmauder**

At-Large Executive Committee
Members: **Ione Clagett, Terry
Herd, Janet Spingath, Barbara
Ann Smolko, Krystal Kyer**

Stewardship Committee Chair:
Al Schmauder

Communications Committee
Chair: **Janet Spingath**

Regular Watershed Council Participants:

- Residents!
- City of Lakewood
- City of Tacoma
- Pierce County
- Joint Base Lewis McChord
- Camp Murray
- Friends of Spanaway Lake
- Tahoma Audubon Society
- Tacoma Pierce County Health Department
- Pierce Conservation District
- Washington Department of Fish and Wildlife
- Clover Park Technical College

How Do I Get Involved?

Come to a watershed council meeting!

Council meets on the third Wednesdays of most months January –November from 3:30-5:30pm at the Lakewood Community Center. Also, don't miss our summer field trips!

Or join a committee:

- **Stewardship** – for hands on restoration volunteer opportunities focused on Clover Creek in Lakewood at this time
- **Communications** – for volunteer opportunities supporting outreach and educational events in the community

Priority Lakes Identified in the 2018-23 CCWC Action Agenda:

MONITORING

- American, Gravelly, Louise, Seeley, Snake

RESTORATION

- Spanaway, Steilacoom, Tule, Wapato, Waughop

PRESERVATION

- Fort Lewis, Louise

Introducing
Guest Speakers
for the first
Panel:

Isabel Ragland, Pierce
Conservation District – “Lakes
101”

Kris Kauffman – “select lakes of
Lakewood”

Tara Livingood-Schott, WDFW –
“WDFW’s Trout Stocking
Program and fish in our lakes”

Introducing
Guest Speakers
for the second
Panel:

Jim Gawel, UW Tacoma – “Arsenic Mobility
and Bioavailability in Lakes”

Lindsay Tuttle, TPCHD – “Toxic Algae
Program”

Greg Vigoren, City of Lakewood –
“Facilitating the Creation of a Lake
Management District”

Sandy Williamson, Friends of Spanaway
Lake – “Forming Nonprofit Community
Organizations to Steward Lakes”

***A Special
Thank You
to All of Our
Guest
Panelists!***

Isabel Ragland – Pierce Conservation District

Kris Kauffman

Tara Livingood-Schott – WDFW

Jim Gawel – UW Tacoma

Lindsay Tuttle – TPCHD

Greg Vigoren – City of Lakewood

Sandy Williamson – Friends of Spanaway Lake



Thank you to our event partners:

- Pacific Lutheran University
- Environmental Science 350 Class, Professor Claire Todd
- Pierce County Planning and Public Works



WINTER SOCIAL
December 18th
3:30pm-5:30pm

Topside Bar & Grill

215 Wilkes St., Steilacoom, WA