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.
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.
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:**

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution/Group</th>
<th>Topic</th>
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<tbody>
<tr>
<td>Jim Gawel</td>
<td>UW Tacoma</td>
<td>“Arsenic Mobility and Bioavailability in Lakes”</td>
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<tr>
<td>Lindsay Tuttle</td>
<td>TPCHD</td>
<td>“Toxic Algae Program”</td>
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<td>Greg Vigoren</td>
<td>City of Lakewood</td>
<td>“Facilitating the Creation of a Lake Management District”</td>
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<tr>
<td>Sandy Williamson</td>
<td>Friends of Spanaway Lake</td>
<td>“Forming Nonprofit Community Organizations to Steward Lakes”</td>
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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