

**Friends  
of  
Spanaway Lake**



**FOSL**

**2020- Looking forward**

**Ed Larson**

# Spanaway Lake

- 270 Acres – 500K Visitors year/ Public boat ramp
- 2 Public swimming beaches - 7 party pavilions
- Max depth 28 Ft
- Average 17 Cu.Ft/S flows out
- Average 5 Cu.Ft/S flows in from Coffee Creek and rainfall
- 2/3 Water inflow from ground water

# Summer 2019

- Health department closes lake for all uses Aug. 15 – Nov. 1
- September Hydro races canceled.



# Money Items

- \$25K WA Legislative appropriation for development of an Integrated Aquatic Vegetation Management Plan, and Phosphorus Fractionation study that are currently in progress
- All donations and membership fees are tax deductible
- \$20/Year membership
- \$300/Year sponsor level that includes: Two sponsor plates one for your dock and one for your driveway

# Projected Budget

- ? Membership dues and sponsorships

## Outlays

- \$500 Administrative costs (mailings, printing, room rental for board meetings, etc..)
- \$9,500 to complete plant study (reimbursed by Pierce County)
- ? Support ongoing UPS studies
- ? Lake and plant treatment

# Why is the IAVMP important?

- In order to do any kind of lake wide plant treatments for excessive plant growth or invasive species the government requires us to have an IAVMP in place before they will issue permits

# We have been busy

**We gave a united presentation to the Pierce County Council and they passed**

## **Proposed Resolution No. R2019-33**

**Title:** A Resolution of the Pierce County Council Related to Spanaway Lake; Recognizing the Friends of Spanaway Lake, a Washington Non-Profit Corporation, on Its Creation and Commending Its Efforts to Preserve and Enhance Spanaway Lake; and Requesting the Planning and Public Works Department Provide the Council a Report on the Spanaway Lake Management Plan and Its Implementation Status. (Spanaway

# We are still busy

- Met with Representative Steve Kirby and Senator Steve Conway we currently have a request into the state for \$150,000.00 to continue our work

## **We have had four science meetings with:**

- Don Russel, Watershed Council Chemist
- Jeff Tepper, Professor UPS
- Jim Gawell, Professor UW Tacoma
- Joan Wu, Professor WSU Puyallup
- Suhui Dun, Pierce County Surface Water Management Scientist



# And more is coming

- We are working with Jeff Tepper UPS to have Graduate students do more sampling and testing on the lake
- UPS is doing free water analysis and testing for us
- We built a sampling device and have started to gather data
- We have identified a couple of ground water vents and are getting water samples from them to see how much Phosphorus is in the incoming ground water

# Water Quality Cause & Cure

Excessive nutrients are by far the biggest problem and phosphorus is the primary nutrient of concern. Phosphorus contributes to excessive aquatic plant growth and toxic algae blooms.

1. The Brown and Caldwell Study indicated the problem Phosphorus is coming from the sediment
2. UPS 2016 study shows ground water as largest cause

SO WHERE IS IT  
COMING FROM?

# Treatment

- When the major causes of excessive Phosphorus are determined we can move forward with the most effective type of treatment
- No one including us wants to cause more harm than good by just going along, dumping chemicals in the lake and hoping it will work

# What can you do to support FOSL?

- Use accepted landscaping practices
- Don't let your landscaping debris get in the lake
- Properly maintain your septic system
- Come join us at a board meeting and see what we are up to
- Donate your time to FOSL-help us continue with sustainable leadership
- Smile.amazon.com see website or fb page
- Be informed go to [spanawaylake.org](http://spanawaylake.org)
- We take tax deductible donations

# Theodore Roosevelt

**“Whenever you are asked if willing to do a job , tell 'em, certainly, I can! Then get busy, find out what you can do and how to do it.”**

**FOSL is doing just that.**