

October 2018

**October Dinner Meeting**  
**West Point Treatment Plant Flood & Restoration Effort**

**Mirabella**  
**116 Fairview Ave N**  
**Seattle, WA 98109**

5:30pm Social Hour  
 6:00pm Dinner  
 6:30pm Program

**Wednesday, October 10**

**Speaker:** Kolby Hoagland, Project Manager, King County Wastewater Treatment Division (WTD)

\$45 (\$40 early bird) for General Admission  
 \$25 (\$20 early bird) for students and free agents

**Description:** The presentation offers a transparent view of the February 9th, 2017 flood of West Point Treatment Plant and the recovery effort that led to its rapid return to full operation. From the vantage of staff that worked on the recovery, the presentation details the minute-by-minute events that led to the flood along with the approach and process followed to expeditiously reinstate operation of all plant processes.

Early Bird Registration ends after Wednesday, October 3

Registration closes Sunday, October 7

The unabashedly candid presentation will convey many of the lessons learned and resiliency efforts King County Wastewater Division has taken in response to the Feb 9th flood.

Attendees are encouraged to preregister; there will be limited on-site registration.

[Click Here to Register](#)



**October President's Column**

**By Eset Alemu, PE, CFM, Seattle Section President**

It is an exciting time to be a Civil Engineer! The Puget Sound Region is experiencing a boom in population growth, construction and public and private investment. The city of Seattle registered the fastest growth for a metropolitan city in 2018. With the sprawling buildings and housing developments, large-scale transportation projects, and local municipalities' investment in capital improvements projects; there are tremendous opportunities for Civil Engineers and our industry. As engineers, planners, administrators and executors of these numerous public and private projects, we are leaders in providing sustainable solutions, integrated planning and innovative design solutions.

As I watch the news unfold in North and South Carolina, I think about the challenges of rebuilding, recovery and planning for more resilient infrastructure. Civil engineers are at the forefront of the recovery efforts, rebuilding and strengthening our infrastructure to handle the next wave of events. These challenges drive us to be more than problem solvers and designers of infrastructure to advocates for adaptive management and investment in infrastructure. This is captured by the initiatives of the ASCE Grand

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Challenge that asks all civil engineers to consider ways in which we can enhance the performance of our infrastructure over its life cycle and optimize infrastructure investment.

Now more than ever, we need to engage our communities on the role of sustainability, resilience planning and emergency preparedness in meeting the challenges our changing environment and growing cities. While ASCE's Government Relations group lobbies in our nation's capital on the behalf on the engineering society, our participation and engagement on a local level creating awareness about the state of our infrastructure and educating lawmakers on the need for investment is integral to affecting policies and laws on a state level. We need to be in the know of legislative actions that are coming up and join the discussions and deliberations regarding funding for infrastructure. Our Section is looking for volunteers on the legislative front to enhance our efforts on upcoming state wide initiatives.

Please consider ways to participate in conversations with stakeholders, elected officials and the public in creating awareness of challenges stemming from gaps in infrastructure investment.

NOVEMBER 2018  
NEWSLETTER  
CONTENT DEADLINE:  
October 20, 2018

**DID YOU  
KNOW?**

All ASCE Seattle Members are always invited to join the Seattle Section Board Members at the monthly Board Meeting. Interested in attending? Check the [calendar on the ASCE Seattle website](#) for the meeting time and location and email [president@seattleasce.org](mailto:president@seattleasce.org) if you plan on joining us!

## Meet a Board Member

The Section would like to welcome the new leadership team and incoming board members: **Henry Haselton**, President-Elect; **Katie Sultani-Wright**, Treasurer; **Mike Harney**, Director of Standing Committees; and **Don Nguyen**, YMF Board Representative. I'd also like to thank returning board members **Diana Hasegan**, Past-President; **Homero Flores**, Director of Technical Committees; **Tony Nguyen**, Branches Director; and **Paul Fikse**, Secretary. These outstanding members along with many others will help keep our Section moving forward in this exciting time of growth.

This month's new board member spotlight is on Henry Haselton, President-Elect.

Henry is a Principal Geotechnical Engineer and Partner at Aspect Consulting, LLC in Seattle where he leads the firm's geotechnical division and supports projects ranging from residential geo-hazard evaluations through major public infrastructure design. Henry has been a geotechnical engineer in the Seattle area since 1992 and has focused on providing optimum solutions tailored to his client's objectives, our local geology and our area's construction methods. Originally from New Jersey, Henry moved to the Pacific NW in 1983 and to Seattle in 1988. Prior to returning to college at University of Washington, he became an airplane mechanic, worked in construction, managed a bar on San Juan Island and traveled extensively by bicycle and sailboat. He received his BSCE from UW in 1992 and later returned to UW for his MSCE in Geotechnical Engineering in 1995. Henry lives on Vashon Island where he and his wife toil on 5 acres of gardens, chickens and a vineyard, and raised amazing two daughters who have flown the coop. He enjoys boating, snowboarding, mountain and road biking, fishing, traveling and hanging out on the island with his family and friends



**Nominations Open: Excellence in Journalism**

Each year, the American Society of Civil Engineers honors a journalist or producer who enhances the public's understanding of civil engineering and the importance of improving our nation's infrastructure with the [Excellence in Journalism Award](#). If you read an article, heard a radio interview, or saw a local TV newscast about local aging infrastructure or a new investment success story, please consider nominating the piece for the award. The nomination form only requires the journalist's contact information and a link to the article or broadcast clip.



[Additional details](#) and the [nomination form](#) can be found online. The application is now open and will close on **October 1, 2018**.



## ASCE Seattle Sustainability Committee: Green Apple Day

In the coming months, the Sustainability Committee will be planning our annual [Green Apple Day of Service](#), which is USGBC sponsored event where people volunteer to help schools become more green through local service projects. In the past, we have helped schools make rain barrels, worm compost bins, and teach students about how to reduce energy in their schools (see [Past Projects](#)). For questions, please contact Bethy Clark, Education Outreach, at [elizabeth.clark@hdrinc.com](mailto:elizabeth.clark@hdrinc.com)

## ASCE YMF October Volunteer Event

### Bellevue Urban Garden

**When:** Sunday, October 29, 2:00pm - 4:00pm  
**Where:** Bellevue Urban Garden

**Details:** Summer's over, but the YMF is back with more events! Join us as we kick off the new volunteer season with the Bellevue Urban Garden on Sunday October 28th from 2-4pm.



We will help create a beautiful food forest, so dress for outdoor work (comfy clothes you don't mind getting a little dirty, closed toed shoes, sunscreen and/or rain gear in case of rain). If you have your own gloves, feel free to bring them! Depending on who can come, we can try to coordinate carpooling.

If interested, please let [Shirley](#) know by October 12th so she can sign up the YMF team in advance.

**RSVP by 10/12**

## LOCEA Spotlight: Keeping the Salmon Where They Belong

The ASCE Seattle Section newsletter is featuring projects that received a Local Outstanding Civil Engineering Achievement Award in 2018.

**MOTT MACDONALD &  
WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES**

*By Nels Sultan*

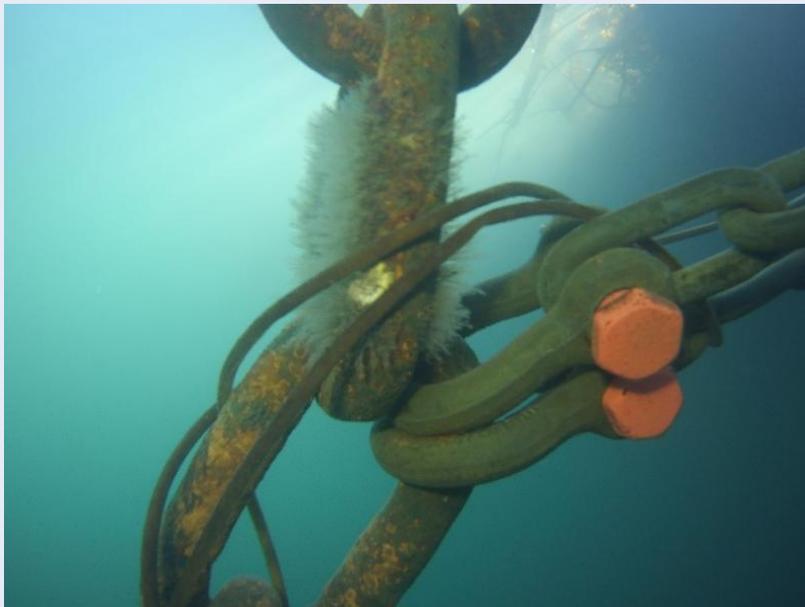


*Thousands of Atlantic salmon were farmed in the Cypress Island net pen.*

On August 19, 2017, a net pen structure near Cypress Island in Skagit County collapsed, allowing more than 100,000 Atlantic salmon to swim free. Initial reports from Cooke Aquaculture suggested the collapse was caused by strong currents.

The State of Washington wanted to determine the causes of the failure, and to assess the condition of similar net pens. Together with Collins Engineers, Mott MacDonald performed an inspection and engineering assessment of every net pen in Puget Sound.

The work involved divers, inspections using remotely operated underwater vehicles, and site observations, all performed on an accelerated schedule in difficult winter conditions in deep water.



*Inspecting the net pens required extensive underwater work in frigid conditions.*

Key issues include the mooring system design, maintenance records and the wind, wave, currents, and environmental loads. We identified severe corrosion at one net pen.



*Corrosion may have been a factor in the failure of the net pen at Cypress Island.*

The project resulted in greatly improved understanding of the conditions of the net pens and their associated costs and benefits, enabling decision makers and stakeholders to make informed decisions about the future of Atlantic salmon aquaculture in the State of Washington.

Atlantic salmon farming is a sensitive issue with intense public interest in Puget Sound. This project provided important factual information and unbiased engineering analysis. It demonstrated the value of engineers in helping the public and government evaluate sometimes contentious public policy questions.



**Upcoming ASCE Seattle Events**  
Never miss a Seattle Section event, link our calendar to your Outlook today!

Have you seen our new event calendar? [Click here](#) to see what exciting events we have planned!

The best way to stay up to date on Seattle Section happenings is to **add our calendar to your Outlook** or other email manager. All you have to do is [click here](#) to download a .ics file that you can open and add to your own calendar.

# Current Volunteer Opportunities



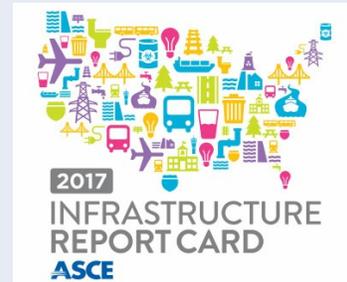
## Urban Development & Transportation Committee

The Seattle Section Urban Development and Transportation Committee is being relaunched and looking for members to get involved. Anyone with an interest in Urban Development or Transportation is encouraged to join.

For more information or to be added to the mailing list contact Committee Chair Jared Nakamoto ([jared.nakamoto@wsp.com](mailto:jared.nakamoto@wsp.com)).

## Washington State Report Card

Call for volunteers! The WA Infrastructure Report Card is getting close to public release! Members from ASCE Seattle, Tacoma-Olympia, and Inland Empire Sections have been working tirelessly to research, assess, and summarize our great state's infrastructure in the areas of Aviation, Bridges, Dams, Drinking Water, Roads, Schools, Stormwater, Transit, and Wastewater.



Upcoming work includes outreach to the public, media, and elected officials as well as event planning for the release event in January 2018. The team is looking for volunteers to help with outreach and plan the release event in January 2019! Are you passionate about our states infrastructure and addressing the funding gap? If so, please contact Richard Fernandez ([richard.fernandez@seattle.gov](mailto:richard.fernandez@seattle.gov)) or Bobbie Gilmour ([bobbiegilmour@kennedyjenks.com](mailto:bobbiegilmour@kennedyjenks.com)).

## Legislative Committee

The Section's Legislative Committee is looking for volunteers to lead efforts to inform Section's membership on legislative issues during active sessions of the state legislature and support the passage of new laws or modify existing laws as technology informs our design and construction processes.

Please contact [president@seattleasce.org](mailto:president@seattleasce.org) for more information.

The new Committee Chairperson is [Savannah Linders](#) and the new State Advocacy Captain is [Dr. Conrad Felice](#). Contact Savannah Linders if you are interested in volunteering with the Legislative Committee.

The Legislative Committee functions in the political arena. The committee can become active in federal, state, county or other governmental issues that are of interest to the profession (such as university engineering budget considerations, issues that affect the practice of or employment of civil engineers, and environmental issues of significance to the profession). The committee is responsible for disseminating information from the AELC pertaining to state legislation. In recent years, the chair of the Legislative Committee has also been the AELC representative. If they are different, the Legislative Committee chair is an alternate to the AELC and shall be responsible for keeping abreast of current activities of the AELC.

## Current Job Openings

- Civil Engineer Project Manager - Davido Consulting Group
- Project Engineer - City of Wenatchee
- City of Ocean Shores - City Engineer - Apply Now!

[Click to View Job Descriptions & Apply!](#)

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