Call to Order

1. Welcome and Introductions – Chair Fincher  10:00 AM – 10:05 AM
2. Public Comment  10:05 AM – 10:10 AM
3. Executive Director Report – Mendez-Perez  10:10 AM – 10:20 AM
   (Information p. 5-8)
   Informational report including highlights of KCD program areas.
   (Information / Discussion p. 11-17)
   Work on the draft strategic plan is ongoing. The enclosed presentation describes the differences between KCD’s current Long-Range Plan and the newly developed strategic plan. Updates to the draft plan will include items we heard as feedback from the advisory committee including a clear climate lens throughout the document.
5. Artificial Lighting Project Update – Mendez-Perez/Meisinger  10:50 AM – 11:20 AM
   (Information p. 18-35)
   KCD received $125,000 last year for a pilot project to reduce the impact of artificial light at night on juvenile salmon in Lake Sammamish. The funding was secured by Representative Ramos and many partners are involved including WRIA 8 and the cities of Issaquah, Redmond, Sammamish, and Bellevue. The enclosed presentation provides a summary of the project and outcomes of the pilot. A new proviso includes $300K for expansion of the pilot program.
6. September Tour Discussion  11:20 AM – 11:30 AM
   Discussion of September Advisory Committee Tour of KCD projects sites.
7. Adjourn  11:30 AM

Meeting Packet

Agenda  P. 1-2
Advisory Committee Seating Chart  P. 3
KCD Org chart  P. 4
ED Report  P. 5-8
Most Recent Financials  Not included. Sending in separate email due to software issue.
Calendar/Priorities Document  P. 9-10
* Next Meeting: October 10th, 2023, 10:00 AM – 11:30 PM
# King Conservation District Advisory Committee (with emails)
*(as of February 14, 2023)*

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<thead>
<tr>
<th>Seat</th>
<th>Member</th>
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Please find below highlights of King Conservation District’s June and July actions and updates.

- **Finance and Administration**
  - We received many qualified applicants for the Stewardship Assistant and are currently interviewing candidates. This position will support our Stewardship teams with a focus on our Landowner Incentive Program.
  - Our new Finance and Grants Coordinator began on August 1st. This position will provide financial and administrative assistance to the Chief Administrative Officer and assist KCD grant programs in administering grants to external organizations and partner jurisdictions.
  - The Athena Group and KCD leadership are working together to refine the draft strategic plan. Updates will include outcome-based goals, a clear climate lens, and cleaning up of the overall document.

- **Program Updates**
  - **Engagement**
    - KCD tabled at the King County Fair July 13-16 and we gave our annual presentation to the King County Council on July 25th. The 2022 Annual Report will be sent to city councilmembers across King County to raise awareness of recent accomplishments as we seek our Rate Renewal in 2024.
Education

- June was an exciting and busy month for the Education team. We hosted two KCD specific events and supported a Salmon Friendly Lakes workshop as part of the Salmon Friendly Lakes Program.

- On Thursday, June 22, KCD Urban Habitat Stewardship Coordinator Ashley Allen led a Streamside Tour for 25 registered participants in Tukwila, showcasing the Duwamish Gardens restoration project. The talk focused on invasive and native plants, identification and removal techniques, and we also visited nearby properties to see what KCD restoration projects look like. We discussed resources available to help homeowners complete these projects.

- On June 24, KCD Rural Forest Stewardship Coordinator Brett Anderson guided 20 attendees on a tour through a small lot forest property in Redmond, WA. This tour gave King County community members the opportunity to learn from local small lot forest landowners who have gone through the educational process and have begun to manage their forest. Our goal was to share resources and experiences to aid in community stewardship efforts on forested properties.

- Finally, KCD supported an event with the Watershed Company and Mid-Sound Fisheries in Issaquah, WA on June 24th. The goal of this project is to raise awareness around Salmon Friendly Lake practices and the impacts of artificial light at night for lakeside properties.

- The Education team attended the Regional Water Educators Retreat on June 22 to discuss Climate Change and Justice education through panel presentations from local partners throughout Western Washington. We learned a lot and are excited to continue these conversations, partnerships, and efforts.

Forestry

- So far this year, the rural forestry program has provided 17 assessments, written 6 management plans, and developed 7 project plans. On the implementation side, the team led projects planting 2024 trees and preparing 6.4 acres (either thinning or invasive plant removal).

- We welcomed three new members to the Urban Forestry working group. In early June, the group met to review the 7 proposals received and rank them according to criteria such as long-term support, diversity and equity, and regional impact.
KCD is also strategically thinking about paths of funding to accomplish all 7 projects. We applied for an urban forestry grant which might be able to support two of the projects and an additional two projects may be able to move forward with Member Jurisdiction funding, which would allow us to implement – pending more robust budget estimates – all 7 projects.

Mike Lasecki was invited to speak at a screening of Elemental: Reimagining Wildfire on June 27. About 50 people attended the documentary and heard from KCD, Department of Natural Resources, and University of Washington.

**Farm Services**

Department of Ecology notified KCD that we were selected for a grant award contingent on funding availability. The final terms of the award will be based on negotiations. Megan Weldon applied for this Department of Ecology grant in partnership with King County. The proposal included enhancement of a degraded riparian zone along 3,400 lineal feet (6,800’ total streambank length) of Newaukum Creek within an agricultural area of the Enumclaw Plateau. The total funding requested was $450,000.

Community Agriculture had their first ever Farm Tour at City Soil Garden on composting. It was a huge success, and 25 people turned out.

**Shorelines/Riparian**

We have been continuing with maintenance activities on project sites planted between 2015 and 2023, as well as beginning monitoring on all projects in their 3rd and 5th growing seasons.

We are also finishing up final activities on projects funded through Washington State Conservation Commission grants. Two of these grants went towards new buffer projects on the Snoqualmie River and one of its tributaries and one went towards a new livestock exclusion fence on a new buffer planting on Newaukem Creek. One of the grants supported activities at our native plant nursery and included purchasing of plant materials for the 2024-2025 project season and other materials for maintenance of our current inventory and nursery facility. Another of these grants was awarded for an Artificial Light reduction initiative on Lake Sammamish and included USGS baseline data collection and analysis, development of an outreach program as well as development of a model ordinance for Cities surrounding the lake to adopt to mitigate the negative impacts of artificial light in new development projects.

For the Artificial Light initiative, we held a demonstration workshop for partners and stakeholders and our first public workshop presenting newly
developed curriculum in June and will be planning for future events because funding has been secured for the next biennium.

Thank you,

Rosa Méndez-Perez
2023 KCD Advisory Committee Topics/Priorities Draft

Draft Calendar

1. February
   a. Strategic Planning Update and Summary of DEI Trainings - (Information)
   b. KCD Advisory Committee 2023 Work Planning - (Discussion)
   c. MJ Grants Equity Question Update - (Information)
   d. KCD Elections Update - (Information)
2. April
   a. KCD Overview Presentation (focused on KCD structure, funding, ILA, etc./not program focused) - (Information)
   b. Report-Outs - (Discussion)
3. June
   a. King County Council report to Advisory Committee/Annual Report Overview - (Information)
   b. Review Draft Strategic Plan - (Discussion)
4. August
   a. Undecided
5. October
   a. Undecided
6. December
   a. Regional Food System Third Party Evaluation

Report-Out Topics

1. Renters/Equity
2. Food insecurity
3. Programs impact on addressing and mitigating climate change
4. Road runoff
5. Legislative work

Unscheduled Topics

1. Recruiting Federal and Enumclaw to join the district
2. Election reform efforts (continued)
3. Performance measures/outcomes tracking
4. Structure topics for consideration of committee around important system timing issues. E.g. reporting about fish habitat restoration work when we have salmon recovery/fish return data to look at
5. Improved tracking and status of grants, reporting from grant subcommittee
6. Planning on deep dives of interest to jurisdictions: Issaquah’s example is wildfire preparedness, Kirkland example is shoreline
7. Communications - How to raise the profile and raise awareness of KCD in our communities.
8. Election reform efforts
9. ILA path and touchpoints
10. ILA with Advisory Committee
11. Program of Work review with Advisory Committee

Schedule
- 1.5 hour meetings
- 2nd Tuesday of every other month
- Online
- Add additional meetings or extend meetings as needed

Agenda & Packet Contents

Agenda
1. Decision items first with
   a. (Decision) next to agenda item
2. Next Information and Discussion
   a. (Information/Discussion) next to agenda item
3. Final Information only items

Packet Materials
1. Agenda
2. Membership Chart
3. KCD Org Chart
4. Most Recent KCD Financials
5. Priorities List
6. ED Report
7. Other supporting documents for agenda items

Administrative Suggestions
1. Additional Onboarding for New Members (onboarding and Q&A sessions?)
2. Organizational management pieces (org. updates, financial reporting, hiring, etc.)
3. Rate Renewal path (timeline and touchpoints)
4. ED Report Organized by content/domains
5. Financial reporting and transparency
6. Hiring updates and transparency
Current Long-Range Plan

Required under RCW 89.08.220 (7) and submitted to Washington State Conservation Commission

Follows current ILA
New Strategic Plan is centered on Diversity, Equity, and Inclusion

Updates KCD delivery of programming

Includes robust engagement with partners and stakeholders

Living document that will inform future ILA

5-Year Strategic Plan
Updated Mission and Vision

Long-Range Plan:

• **Mission:** To promote the sustainable use of natural resources through responsible stewardship.

• **Vision:** King Conservation District will continue to be a leader in community-based stewardship of natural resources and provide services to support economically viable working lands throughout the District.

Strategic Planning Process:

• **Mission:** We empower people to conserve and enhance soil, water, food systems, forest, and habitat-now and for future generations.

• **Vision:** We envision a community where everyone has access to the resources and guidance they need to be conservation stewards.
Updated Value Statements

**Diversity, Equity, & Inclusion**
KCD recognizes the interconnectedness of personal well-being, care for others, and care for the environment. We actively look for ways to address historic inequities in conservation which includes how we serve communities and take action to build a culture of DEI in both our internal, and external policies and practices.

**Trust**
Trust within KCD is earned by consistently delivering on our commitments, practicing clear communication, holding ourselves accountable, engaging the larger community for decision-making, and by providing technical assistance grounded in the work of partner agencies and institutions.

**Courage**
KCD must be courageous as we tackle emerging issues and prioritize serving all people in King County. We strive to be a catalyst for change and embrace the opportunity to apply innovative approaches within conservation that center community voice and build relationships as we serve the diverse needs within our region.

**Conservation**
DEI are at the foundation of the work at KCD. We focus on conservation outcomes to make a difference in the lives of the people in King County - now and for future generations.

**Leadership**
KCD empowers people to be leaders in conservation. We represent and support our community’s needs and goals, on a continuous journey of learning, of how we can better serve everyone in King County.
Updated Draft Will Include:

- A clear climate change lens
- Outcome-based goals
- KCD vision clearly presented throughout document
- Clear identification of existing or new programs
- How KCD will work with specific partners (King County, WRIAs, etc.)
- Elections section
Examples of Climate Lens

• Wildfire Preparedness services directly improve the preparedness and resiliency of communities near forests for the potential increase in fire risk as a result of climate change.

• Cooperators understand climate impacts and risks to their operation.
  • Adapt and implement practices to increase resiliency to changes that create natural resource concerns.
  • Provide technical and financial assistance to support agricultural viability that will be affected by a changing environment.
ARTIFICIAL LIGHT AT NIGHT PROVISO
Focus area Lake Sammamish

- Includes:
  - USGS baseline light survey
  - Development of public awareness outreach and incentives (included in Salmon Friendly Lakes pilot program)
  - Development of model lighting ordinance template
Artificial light mapping of Lake Washington and Lake Sammamish

Completed

• Light measurements were originally taken with small, sensitive tags that can record the relative levels of blue light
• Tags were affixed to kayaks and small boats
• Light was measured along the shorelines and in the offshore areas of the lakes
• Values were averaged to produce this map

Next steps:

• Additional measurements will be taken with a more advanced sensor that can record measurements across many colors of light, at the surface and below
• This will enable us to understand how the role of different LEDs change the light environment in the water
Convert artificial light measurements into estimates of predation

Completed
- Preliminary analysis has been completed using the current light tag data that represents the volume of water searched per hour by a cutthroat trout in Lake Washington (at 5m and 20m)
- The current limitation is the need to convert relative light units to calibrated measurements

Next steps
- Additional measurements with the new light device will be plugged into our current calculations for more comprehensive results
Identifying artificial light hot spots

Completed

• The brightest areas in both Lake Washington and Lake Sammamish have been identified using results from our small sensor mapping efforts
• This can help focus outreach and mitigation efforts in the near term
Workshop curriculum and outreach materials developed – including ALAN focused content

Demo workshop for project partners held Tuesday, June 13th at Lake Sammamish State Park

First pilot workshop for public held Saturday, June 24th at Lake Sammamish State Park
LIGHTS OFF
FOR SALMON
How can you improve habitat and shoreline functions?

Responsible Outdoor Lighting

Artificial light at night can attract prowlers to the edge of young salmon. Turning lights off at night helps keep these salmon safe. Here are five steps you can take to reduce light pollution for wildlife:

- **Does the light serve a clear and necessary purpose?** Close blinds in the evening to keep indoor light from spilling outdoors.
- **Does the light fall only where it is needed?** Direct lights downwards towards the ground and not into the water.
- **Is the amount of light appropriate for the intended task?** Lower light intensity. Keep lights only as bright as needed to do the job.
- **Is the light connected to active controls?** Use timers and motion sensors to turn off lighting when not needed.
- **Is the light bulb type right?** Lower light temperature. Warmer colors of light, like amber and yellow, are less harmful to wildlife.

Visit the link to learn about Dark Sky Friendly Lighting: www.darksky.org/our-work/lighting/lighting-for-industry/fse/

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Visit the link below each topic to learn more:

**Incorporate Native Trees & Plants**
- King County
  - green2.kingcounty.gov/planter/Plant.aspx?Act=View&PlantId=53

**Control Invasive Species**
- King County
  - kingcounty.gov/services/environment/animals-and-plants/noxious-weeds.aspx

**Maintain Lake-Friendly Lawns**
- Seattle Public Utilities

**Install a Rain Garden**
- Washington Department of Ecology

**Improve Habitat Structure**
- Washington Department of Fish and Wildlife
  - wdfw.wa.gov/sites/default/files/publications/61791/wdfw01791.pdf

**Install Grated Decking**
- City of Seattle
  - seattle.gov/documents/Departments/DCC/Realt/ShorelineMasterProgram/GreenShores.pdf

**Soften Your Shoreline**
- Shore Friendly King County
  - shorefriendly.kingcounty.org/additional-resources/

For more information and to view upcoming workshops, visit: https://www.midsoundfisheries.org/salmon-friendly-lakes/
Lights Off for Salmon

Small changes at the lakefront make a big impact in reducing light pollution for wildlife.

5 Steps You Can Take

- Artificial light at night enables predators to eat baby salmon. Turning lights off at night helps keep these salmon safe.
- Close blinds in the evening to keep indoor light from spilling outdoors.
- Direct lights downward towards the ground and not into the water.
- Lower light intensity. Keep lights only as bright as needed to do the job.
- Use active controls, like timers and motion sensors, to turn off lighting when not needed.
- Lower light temperature. Warmer colors of light, like amber and yellow, are less harmful to wildlife.

Learn More!

Share your commitment to responsible outdoor lighting by posting a photo to social media with the hashtag SalmonFriendlyILakes. To request a free yard sign or learn about upcoming workshops, visit the Salmon Friendly website at: midsoundfisheries.org/salmon-friendly-lakes/
MODEL LIGHTING ORDINANCE UPDATE

King Conservation District
Artificial Lighting at Night
Model Code

Stantec
SUMMARY OF LITERATURE REVIEW

• Key Takeways
  • Artificial Lighting at Night (ALAN) does impact Salmon
  • Consider light level threshold to not exceed output of a night with full moon.
  • Impact of light spectrum & controls

• Sources
  • WRIA 8 March 10, 2020 Briefing Memo
  • Full list of 50 sources
MITIGATION FRAMEWORKS

Washington Administrative Code (WAC)
International Dark Sky Association (IDA)
Illuminating Engineering Society (IES)
Salmon Safe
City of Issaquah
CITY OBJECTIVES FOR LIGHTING ZONES

- Protect and Improve Salmon Habitat
  - Eliminate direct illumination on water surfaces
  - Reduce skyglow
- Public safety
- Use and enjoyment of waterfronts
- Support diverse municipal and neighborhood character
- Economic development
Recommended Priorities & Measures

1. Protect and improve Salmon Habitat
   - Eliminate *direct illumination* on the water surface
   - Reduce *skyglow*.
2. Public safety
3. Use and enjoyment of waterfront
4. Support diverse municipal and neighborhood character
5. Economic development

1. Shoreline Development Guidelines, Dock Lighting Standards
2. Adoption of Lighting Zones and Thresholds, based on 2011 Model Lighting Ordinance of the International Dark Sky Association and the Illumination Engineering Society
3. Alignment of Adopted Lighting Zones to municipal land-use zoning and planning
Recommended Priorities & Measures

Actions at Municipal Level

- Standards for New Construction
- Standards for Renovation
- Recommendations for existing facilities
- Outreach and education for Stakeholders and wider-community
  - Residential
  - Commercial
  - Municipal
  - Utility - PSE

1. Shoreline Development Guidelines, Dock Lighting Standards

2. Adoption of Lighting Zones and Thresholds, based on 2011 Model Lighting Ordinance of the International Dark Sky Association and the Illumination Engineering Society

3. Alignment of Adopted Lighting Zones to municipal land-use zoning and planning
Recommended Priorities & Measures

Shoreline Development Guidelines,
Dock Lighting Standards

1. Maximum height at which light exits the fixture is 30 inches above the dock or finished grade.

2. Use of light shielding to direct light only onto dock surface, remove unnecessary lights, and light shall not be aimed over water surface. This requires at least one of the following: 1) a bollard which allows light only forward onto the dock; or 2) a physical barrier such as a mounting post at lease as wide as the fixture; or 3) a water side shield to limit backlight spill onto the water. If using a fixture with BUG rating to comply, the BUG rating may be B-0, U-0, and G-0. BUG rating is a luminaire classification system that classifies backlight (B), uplight (U), and glare (G).

3. Lighting must be controlled with a motion sensor or manual "on" switch and automatic "off" that turns light off no longer than five minutes of vacancy.

4. Use warm color temperature Amber (585-595nm). Also light source (bulb or LED), light source shall not include blue light spectrum (560nm or lower).
NEW ALAN PROVISO
$300K FOR FY 24-25

- Expands focus area to include Lake Washington

- Includes:
  - Continue USGS light research quantifying light intensities and field studies of fish behavior
  - Continue public awareness, education, engagement activities
  - Development of model lighting ordinances for cities around lakes