

King County Shoreline Master Program

2019 Periodic Review – Outreach and Engagement Summary

Introduction

King County initiated the 2019 Periodic Review of its Shoreline Master Program (SMP) with a Public Participation Plan that encouraged early and continuous public participation. Review of the SMP occurs in two phases. Development and review of the Executive’s proposal is the first phase. Legislative review through the King County Council occurs in the second phase. This report summarizes the outreach and engagement for the first phase (Executive’s proposal).

As stated in the Public Participation Plan, the County had the following goals for public participation:

- Provide interested parties with timely information, an understanding of the process, and multiple opportunities to review and comment on proposed amendments to the SMP.
- Actively solicit information from residents, property owners and stakeholders about their concerns, questions and priorities for the Periodic Review process.
- Reach underserved and underrepresented residents and communities to ensure public input is fully representative of all that are served by King County.
- Encourage interested parties to informally review and comment on proposed changes to the SMP throughout the process and provide those comments to decision makers.
- Provide forums for formal public input at project milestones prior to decision-making by local officials.
- Consult and consider recommendations from neighboring jurisdictions, federal and state agencies, and Tribes.

Outreach

King County employed a variety of methods to let people know about the 2019 Periodic Review and provide information about how to participate. Outreach focused on the comment period from November 1 – November 30, 2018.

- Postcards were mailed to all shoreline property owners based on Assessor’s information. This included over 9000 unique addresses. A few stakeholders were also mailed postcards if the County did not have an email address for these contacts. Attachment 1 shows a copy of the postcard used in

the mailing. Please note that some postcards were returned as undeliverable by the Post Office.

- King County sent email messages that included an electronic version of the postcard as an attachment and the same information by text in the body of the email (see Attachment 2). Messages were sent to project stakeholders, as shown in Attachment 3, and to other potential interested parties on existing King County email lists through the GovDelivery System. Messages delivered this way had an open rate of approximately 35%. 80 members of the Vashon Groundwater Protection Committee distribution list were sent an email. Over 6,600 potentially interested parties that subscribe to the Unincorporated Area mailing list received a message. Please note that about 20% of the subscribers to the Unincorporated Area mailing list had opted into text messages instead. Therefore, they received a text message with a link in lieu of an email. The open rate was about 28% for emails to the Unincorporated Area mailing list.
- The County released a series of messages on social media including Facebook, Twitter, and Nextdoor. Messages were crafted to reach general audiences, as well as targeted audiences. Targeted audiences included residents of Vashon-Maury Island and organizations potentially interested in net pens (Tribes, environmental organizations, and recreational fishing groups). Statistics from these platforms showed that message content was viewed approximately 27,000 times. Twitter messages had the greatest reach, with individual messages reaching between 1,700 to 4,900 people. Facebook messages reached between approximately 240 – 820 people each. Nextdoor messages, which were targeted to Vashon and Maury Islands, reached approximately 150-200 each. Attachment 4 documents the social media outreach plan.

Engagement

During the comment period, King County used a variety of methods and tools to facilitate public information, review, and engagement.

- The Executive set up a webpage as a repository for all information about the 2019 Periodic Review including information about the proposal, options for comment, and important dates and deadlines. The website is: www.kingcounty.gov/shorelines. It also included a link to the King County Connects page where participants could answer survey questions and leave direct comments on the proposal.
- A public meeting was held at Vashon High School on November 17 from 10 a.m. to 12 p.m. for people to learn more about the proposal and make comments. The public meeting included a presentation as well as two open periods where participants could review display materials and talk with County staff. Comments could be submitted by comment sheet or electronically at this meeting (there was a station with computers available for electronic comment submittal). Display materials used at the meeting are shown in Attachment 5. The King County Engagement Report from the event is shown in Attachment 6.
- King County developed a storymap to help interested parties understand the proposed changes to the SMP. The storymap featured interactive maps and content with narrative elements that guided the participants through key topics. This was intended to provide context and explanation in a user-friendly format to improve understanding. The storymap was available on the project webpage. A version of the storymap with embedded survey questions was also placed on the King County

Connects page where the County solicits feedback on a variety of issues and topics.

- One-page handouts were provided at both the public meeting and on the project website to provide concise information on the proposal and let people know how to comment. Attachment 7 shows the one-page handouts used by the County.

Attachments

Attachment 1. SMP Postcard

King County
**SHORELINE MASTER PROGRAM
2019 PERIODIC REVIEW**

King County is performing a periodic review of its Shoreline Master Program, as required by the Washington State Shoreline Management Act. The review ensures the SMP is consistent with changes in state laws. King county is also proposing regulatory changes for net pens and evaluating how to address increased risks and hazards related to sea level rise.

Please join us in person or online to learn more about the proposed changes.

PUBLIC MEETING
November 17 | 10 am-12pm
Vashon Island High School
9600 SW 204th St, Vashon, WA 98070

i Learn more:
kingcounty.gov/shorelines

SHARE YOUR COMMENTS

By November 30, 2018
All comments received will become part of the record.
Submit comments:

- In person:** at the public meeting on the front
- Online:** kingcounty.gov/shorelines
- Email:** permittinglegislation@kingcounty.gov
- Phone:** 206-263-3000
- Mail:**
2019 Shoreline Master Program Review
King County Department of Permitting and
Environmental Review
35030 SE Douglas Street, Suite 210
Snoqualmie, WA 98065

King County
Department of Transportation
Office of Communications
KSC-TR-0824
201 S. Jackson St.
Seattle, WA 98104-3856

PRST STD
US POSTAGE
PAID
Seattle, WA
Permit No 6966

Attachment 2. Sample Email Text

Sample Email Text

King County is performing a periodic review of its Shoreline Master Program (SMP), as required by the Washington State Shoreline Management Act. The review ensures the SMP is consistent with changes in state law. King County is also proposing regulatory changes for net pens and evaluating how to address increased risks and hazards related to sea level rise. To learn more, visit the SMP website where you can learn more, review proposed changes, and make comments: kingcounty.gov/shorelines.

There will also be a public meeting where you can learn more information and make comments. The meeting is scheduled for:

November 17/10 am – 12 pm/Vashon Island High School

9600 SW 204th St, Vashon, WA 98070

Please see the attached postcard for additional information on how you may submit comments.

Comments must be submitted by November 30, 2018. This may be the only notification you receive about this process.

Attachment 3. Email list of Stakeholders

Central Puget Sound Watershed
Chelan County
Citizen's Alliance for Property Rights
City of Algona
City of Auburn
City of Bellevue
City of Black Diamond
City of Bothell
City of Burien
City of Carnation
City of Clyde Hill
City of Covington
City of Des Moines
City of Duvall
City of Enumclaw
City of Federal Way
City of Issaquah
City of Kenmore
City of Kent
City of Kirkland
City of Lake Forest Park
City of Maple Valley
City of Medina
City of Mercer Island
City of Milton
City of Newcastle
City of Normandy Park
City of North Bend
City of Pacific
City of Redmond
City of Renton
City of Sammamish
City of SeaTac
City of Seattle
City of Seattle
City of Shoreline
City of Snoqualmie
City of Tukwila
City of Woodinville
Coastal Conservation Association Washington
Coastal Conservation Association Washington - Sno-King Chapter
Coastal Trollers Association
Community Alliance to Reach Out and Engage
Conservation Northwest

Defenders of Wildlife
Duwamish River Cleanup Coalition
ECOSS
Fall City Community Association
Four Creeks Unincorporated Area Council
Friends of Bass Lake
Friends of Cottage Lake
Futurewise
Greater Maple Valley Unincorporated Area Council
Green Valley/Lake Holm Association
King Conservation District
King County Agriculture Commission
King County Community Service Area Program
King County Metro
King County Rural Forest Commission
Kitsap County
Kittitas County
Lake Geneva Lake Management District
Master Builders Association of King and Snohomish Counties
Mid Sound Fisheries Enhancement Group
Muckleshoot Tribe
National Oceanographic and Atmospheric Administration – Fisheries Division
National Water Quality Assessment Program - Puget Sound Basin
North Highline Unincorporated Area Council
Northwest Sportfishing Industry Association
Pacific Coast Shellfish Growers Association
Pacific Coast Federation of Fishermen's Associations
Pierce County
Puget Sound Anglers
Puget Sound Anglers - Eastside Chapter
Puget Sound Anglers - Gig Harbor/Tacoma Chapter
Puget Sound Anglers - South Puget Sound Chapter
Puget Sound Energy
Puget Sound Nearshore Ecosystem Restoration Project
Puget Sound Partnership
Puget Sound Restoration Fund
Puget Soundkeepers Alliance
Puyallup Tribe
Recreational Boating Association of Washington
Save Our Wild Salmon
SeaDoc Society
Seattle Hotel Association
Seattle Public Utilities
Seattle Restaurant Alliance
Sierra Club - Washington State Chapter

Skyway Solutions
Snohomish County
Snoqualmie Tribe
Snoqualmie Valley Water Improvement District
Sound Action
Sound Salmon Solutions
South Puget Sound Salmon Enhancement Group
Stillaguamish Tribe
Suquamish Tribe
Surfrider Foundation - Seattle Chapter
Taylor Shellfish
The Nature Conservancy
Town of Beaux Arts Village
Town of Hunts Point
Town of Skykomish
Town of Yarrow Point
Trout Unlimited
Trout Unlimited - Edmunds Chapter
Trout Unlimited - Green-Duwamish Chapter
Trout Unlimited - Kitsap-Olympic Peninsulas
Trout Unlimited - Northshore Chapter
Trout Unlimited - Sky Valley Chapter
Trout Unlimited - Bellevue- Issaquah Chapter
Tulalip Tribes
Tulalip Tribes
Upper Bear Creek Community Council
US Army Corps of Engineers
US Environmental Protection Agency, Region 10 - Puget Sound
Vashon Land Trust
Vashon Park District
Vashon Water District 19
Vashon-Maury Island Beachcomber
Vashon-Maury Island Chamber of Commerce
Vashon-Maury Island Groundwater Committee
Voice of Vashon
Washington BlueGreen Alliance
Washington Environmental Council
Washington Fly Fishing Club
Washington State Department of Archaeology and Historic Preservation
Washington State Department of Commerce
Washington State Department of Ecology
Washington State Department of Ecology
Washington State Department of Fish and Wildlife
Washington State Department of Natural Resources
Washington State Department of Natural Resources

Washington State Department of Natural Resources - Aquatic Resources Division
Washington State Department of Natural Resources - South Puget Sound Region
Washington State Department of Transportation – Northwest Region
Washington State Department of Transportation – Northwest Region
Washington State Recreation and Conservation Office
Washington Water Trust
West Hill Community Association
White Center Community Development Association
WildFish Conservancy Northwest
WRIA 10 White River
WRIA 15 - West Sound Watersheds Council
WRIA 7 - Snohomish Basin Salmon Recovery Forum
WRIA 7 - Snoqualmie Watershed Forum
WRIA 8 - Salmon Recovery Council
WRIA 8 - Salmon Recovery Council
WRIA 9 - Watershed Ecosystem Forum

Attachment 4. Social Media Messaging Plan

Date	Purpose	Audience/Format	Content	Message
11/1	Project launch: comment period open, community meeting dates	General: Facebook, Twitter	Map of shoreline jurisdiction.	<p><i>King County is reviewing its Shoreline Master Plan for compliance with changes in state and local laws. Find out more and submit comments by November 30:</i></p> <p>kingcounty.gov/shorelines.</p> <p>#KingCountyShorelines</p>
11/2	Considering changes for net pens: comment period	Targeted on Facebook, Twitter: <ul style="list-style-type: none"> ▪ Futurewise ▪ Nature Conservancy ▪ Washington Environmental Council ▪ WildFish Conservancy Northwest ▪ Puget Soundkeepers Alliance ▪ Muckleshoot Tribe ▪ Suquamish Tribe ▪ Puyallup Tribe ▪ Snoqualmie Tribe ▪ Stillaguamish Tribe ▪ Tulalip Tribes ▪ Washington Fly Fishing club ▪ Trout Unlimited 	Video from “Clean Water, Healthy Habitat Agenda”	<p><i>King County is considering changes to net pen rules for Quartermaster Harbor as part of the Executive’s Clean Water, Healthy Habitat agenda. Learn more:</i></p> <p>kingcounty.gov/shorelines.</p> <p>#KingCountyShorelines</p> <p>Facebook add on: tag all contacts in the table below that allow themselves to be tagged.</p> <p>Twitter add on: tweet directly at the organizations listed in the table below.</p>
11/7	Seeking input of future regulatory changes related to Sea level rise.	General: Facebook, Twitter	Sea level rise graphic.	<p><i>King County wants to engage residents about the growing risks of sea level rise to prepare for policy and regulatory changes in 2020. Learn more:</i></p> <p>kingcounty.gov/shorelines.</p> <p>#KingCountyShorelines</p>
11/12	Public meeting coming soon: date and place	General: Facebook, Twitter; targeted to VMI on Nextdoor	PDF of postcard front.	<p><i>Join us at 10 am on Saturday November 17th at Vashon Island High School to learn more about updates to the SMP and to talk about future sea level rise. More</i></p>

Date	Purpose	Audience/Format	Content	Message
				<p>information: kingcounty.gov/shorelines. #KingCountyShorelines Nextdoor: Target to Vashon/Maury Island neighborhood networks.</p>
11/19	Recap of public meeting, comment online	General: Facebook, Twitter; targeted to VMI on Nextdoor	Picture of public meeting.	<p><i>Did you miss Saturday's open house? You can still learn about proposed changes to the Shoreline Master Program and leave comments:</i> kingcounty.gov/shorelines. #KingCountyShorelines</p>
11/26	Reminder: comment period closing soon	General: Facebook, Twitter	Shoreline-related photo.	<p><i>What are your thoughts on the proposed changes to King County's Shoreline Master Program? Be sure to tell us by November 30th:</i> kingcounty.gov/shorelines. #KingCountyShorelines</p>
11/27	Last chance to comment on proposed net pen changes: comment period closing, go see website	Targeted on Facebook, Twitter: Futurewise <ul style="list-style-type: none"> ▪ Nature Conservancy ▪ Washington Environmental Council ▪ WildFish Conservancy Northwest ▪ Puget Soundkeepers Alliance ▪ Muckleshoot Tribe ▪ Suquamish Tribe ▪ Puyallup Tribe ▪ Snoqualmie Tribe ▪ Stillaguamish Tribe ▪ Tulalip Tribes ▪ Washington Fly Fishing club Trout Unlimited	Net pen change map.	<p><i>Last chance! You have until November 30 to comment on proposed net pen rules for Quartermaster Harbor:</i> kingcounty.gov/shorelines. #KingCountyShorelines</p> <p>Facebook add on: tag all contacts in the table below that allow themselves to be tagged.</p> <p>Twitter add on: tweet directly at the organizations listed in the table below.</p>

Date	Purpose	Audience/Format	Content	Message
11/29	Final reminder: comment period closing	General: Facebook, Twitter	Shoreline-related photo.	<p><i>Last chance to share your thoughts on the proposed changes to the Shoreline Master Program. The comment period closes tomorrow, November 30: kingcounty.gov/shorelines</i></p> <p><i>#KingCountyShorelines</i></p>



The image is a meeting agenda for the Shoreline Master Program 2019 Periodic Review. It features a header with a photograph of a waterfront property and decorative wavy lines in blue, green, and yellow. The agenda items are listed in a clear, bold font. At the bottom right, the King County logo is displayed.

**SHORELINE MASTER PROGRAM
2019 PERIODIC REVIEW**

MEETING AGENDA

10:00 – 10:30 Open House

10:30 – 11:00 Presentations

11:00 – 11:15 Questions and Answer Session

11:15 – 11:45 Open House

 **King County**



SHORELINE MASTER PROGRAM 2019 PERIODIC REVIEW

UPDATE PROCESS AND SCHEDULES

King County Shoreline Master Program (SMP) 2019 Periodic Update

2018				2019						
September	October	November	December	January	February	March	April	May	June	July
King County Executive develops draft proposed 2019 SMP Update		Public review and comment period on draft proposal	Executive: <ul style="list-style-type: none"> Reviews public comments Refines proposal Sends proposal to King County Council for review and possible adoption 	Council: <ul style="list-style-type: none"> Reviews Executive's proposal Provides public comment opportunities, including a public hearing Amends the Executive's proposal Potentially adopts 2019 SMP Update no later than June 30, 2019 						King County submits adopted 2019 SMP Update to Department of Ecology for final approval



We are here

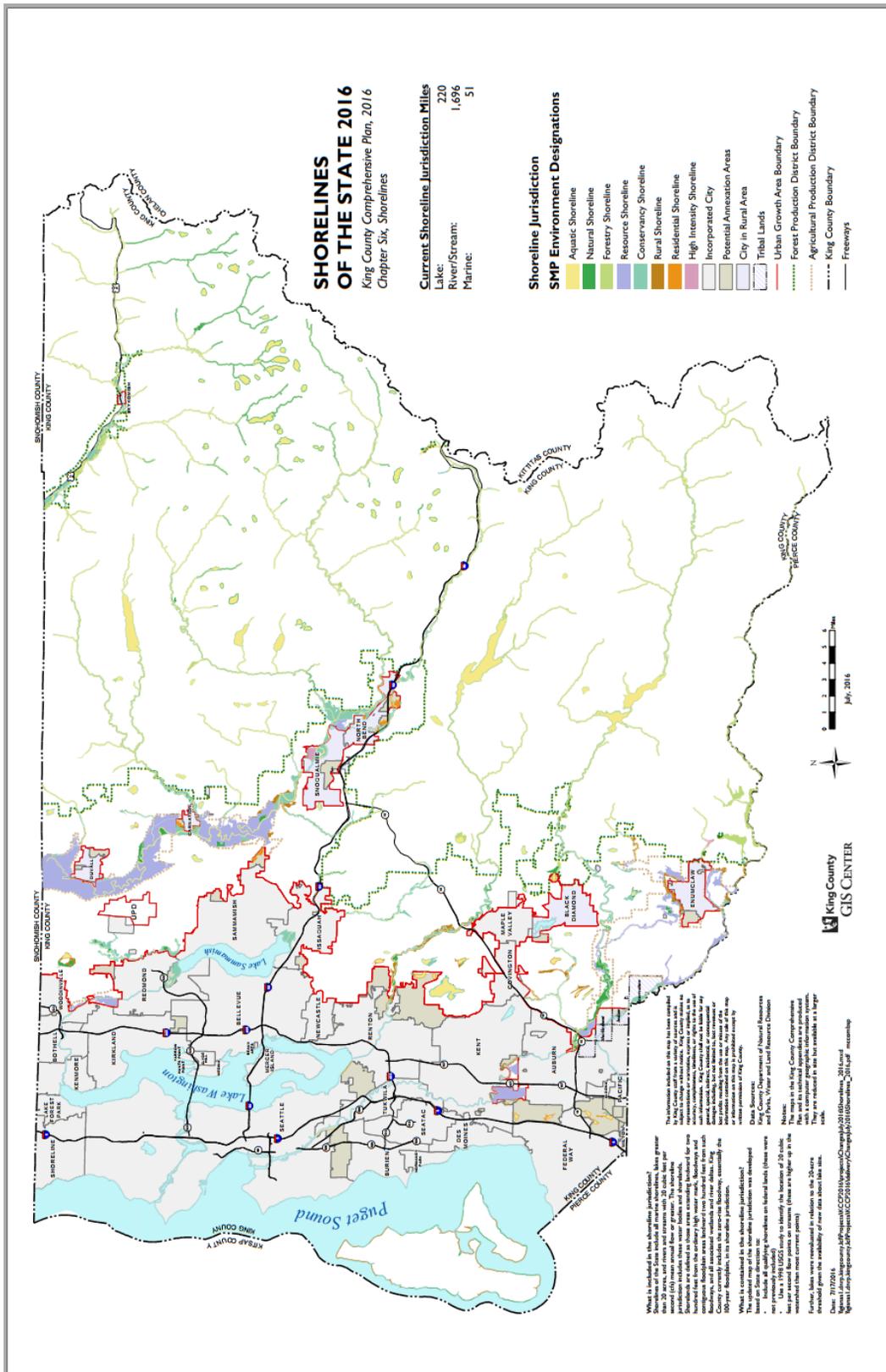
2020 King County Comprehensive Plan

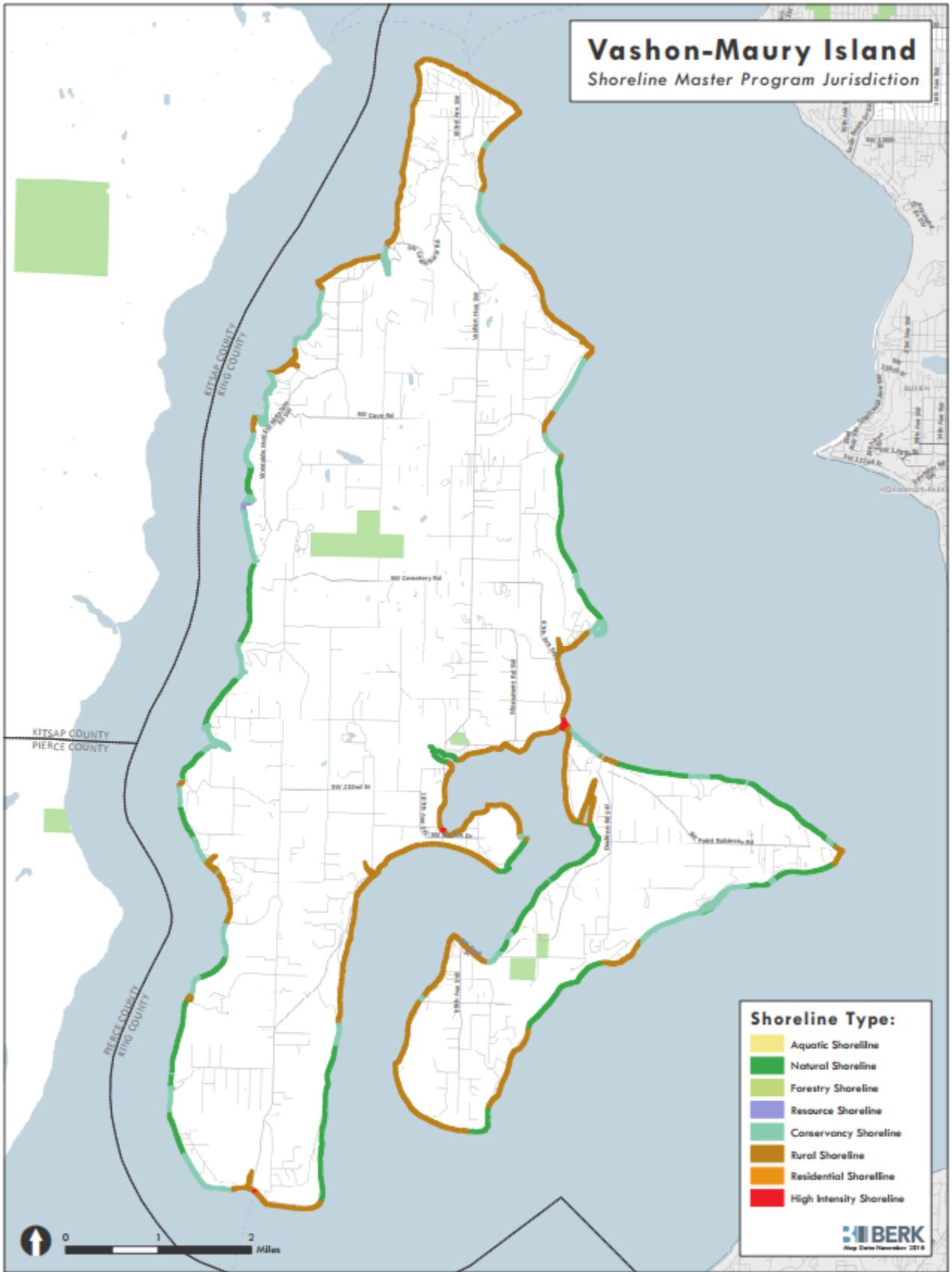
2018			2019												2020									
Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun				
King County Executive: <ul style="list-style-type: none"> Develops Scope of Work (SOW) for 2020 Comprehensive Plan Sends SOW to King County Council for review and possible adoption 			Council: <ul style="list-style-type: none"> Reviews Executive's proposal Amends the proposal Adopts SOW 		Executive develops draft proposed 2020 Comprehensive Plan based on adopted SOW						Public review and comment period on draft proposal	Executive: <ul style="list-style-type: none"> Reviews public comments Refines proposal Sends proposal to Council for review and possible adoption 	Council: <ul style="list-style-type: none"> Reviews Executive's proposal Provides public comment opportunities, including a public hearing Amends the Executive's proposal Potentially adopts 2020 Comprehensive Plan no later than June 30, 2020 											



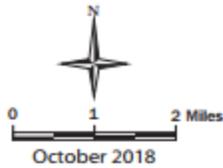
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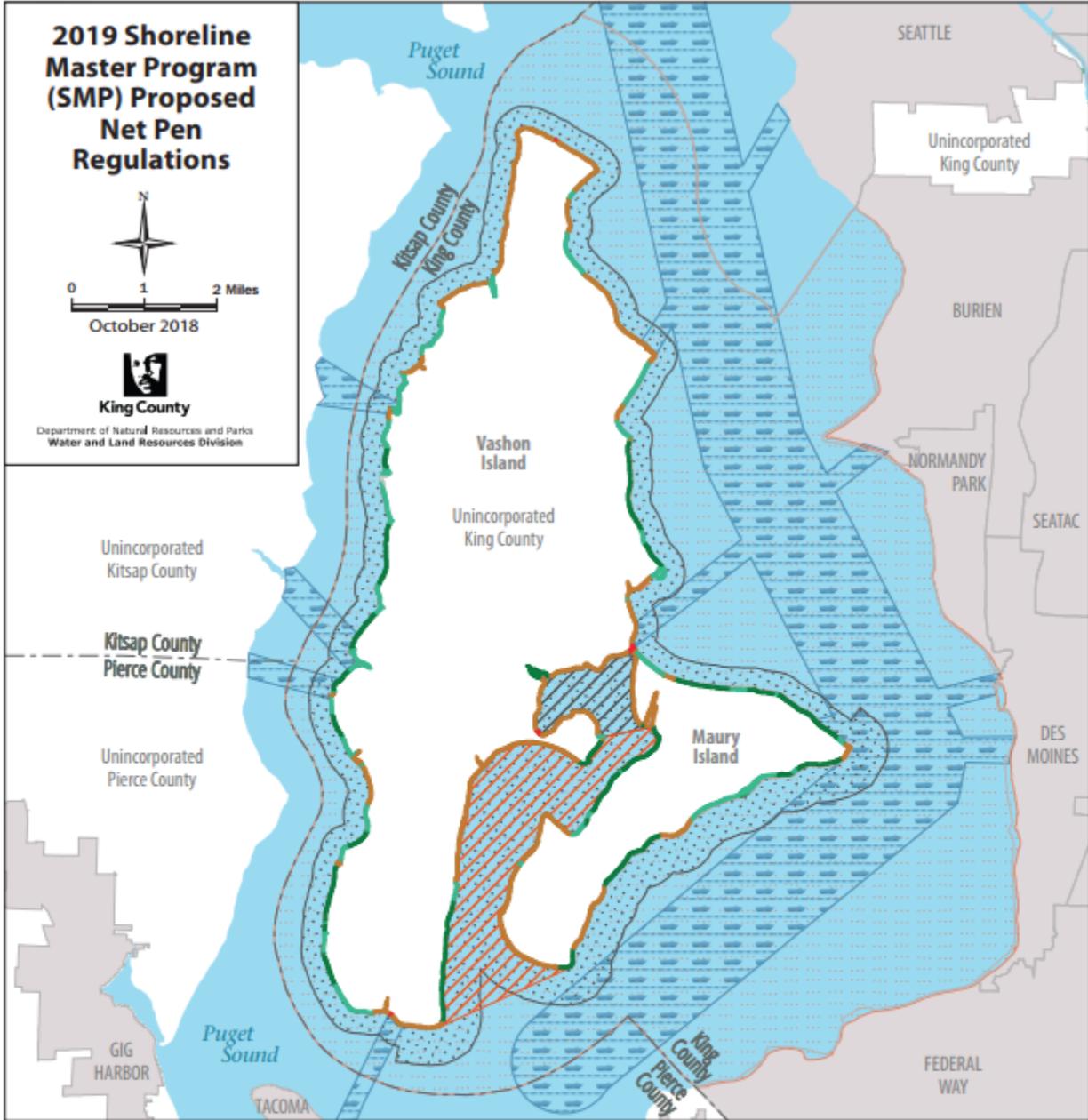




2019 Shoreline Master Program (SMP) Proposed Net Pen Regulations



King County
Department of Natural Resources and Parks
Water and Land Resources Division



SMP Environmental Designations

- Aquatic
- Natural
- Forestry
- Resource
- Conservancy
- Rural
- Residential
- High Intensity

Existing Prohibitions

- Commercial Salmon Net Pens
- Along Shorelines with a SMP Natural Designation
- Within 1500 feet of Ordinary High Water Mark and Within the Maury Island Aquatic Reserve
- Fish Net Pens
- Within Inner Quartermaster Harbor

Proposed Prohibitions

- Fish Net Pens
- Within Outer Quartermaster Harbor
- Non-Native Marine Finfish Aquaculture
- Within Areas of Puget Sound Under King County Jurisdiction

Existing uses that likely conflict with net pens

- Navigation Lanes and Undersea Cable/Pipeline Crossings
- CITY Incorporated Area
- County Unincorporated Area
- County Boundary

The use of the information in this map is subject to the terms and conditions found at: www.kingcounty.gov/sustainable/Map/terms-of-use.aspx. Your access and use is conditioned on your acceptance of these terms and conditions. Date: King County GIS File: 160916_2015w_vashon_net_pen_regula

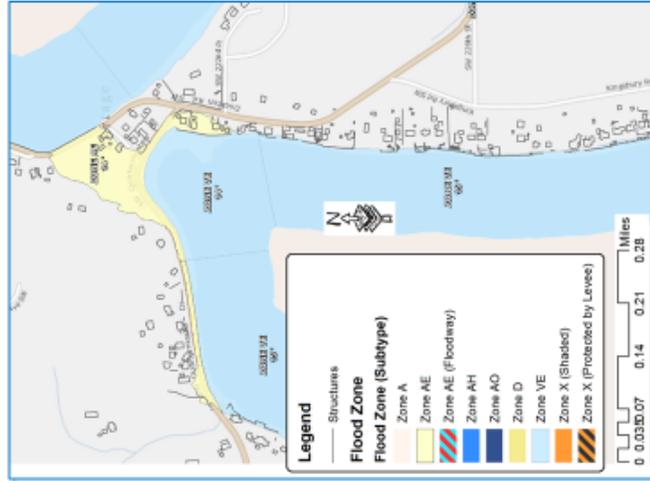
Sea Level Rise – Future Areas of Concern

The county is currently scoping 2020 amendments to the King County Comprehensive Plan, which guides development in unincorporated King County.



Vashon-Maury Island

There are growing risks of sea level rise to homes, businesses, and infrastructure in coastal areas. King County would like to share most current information on projected sea level rise, and engage county residents about how to address sea level rise risks and hazards as part of the upcoming 2020 Comprehensive Plan update.



Portion of Vashon-Maury Island, Portage area, shown with the preliminary flood zone mapping. Structures (buildings, fences, walls) are shown in this area relative to the hazard zone. For additional info: www.kingcounty.gov/services/environment/water-and-land/flooding/maps/flood-insurance-rate-maps.aspx

Sea Level Rise

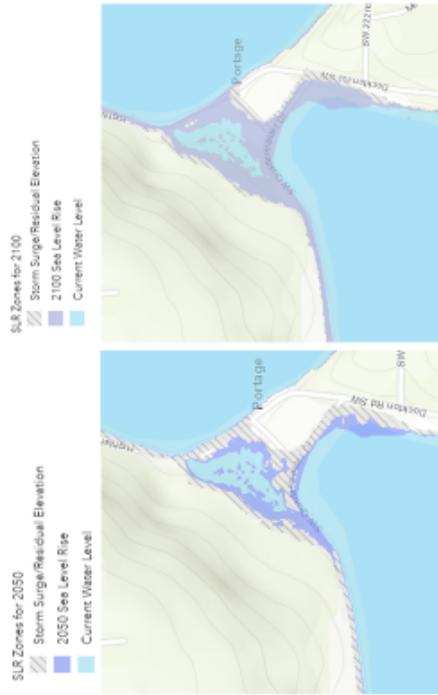
Over the next 50 years, sea levels are expected to rise by two to three feet, and by three to five feet by 2100.

Without intervention, this is likely to cause a number of impacts to shoreline properties on Vashon-Maury Island such as:

- Increased coastal erosion
- Salt water intrusion into fresh water wells and aquifers
- Increased flooding and failure of on-site septic systems
- Loss of intertidal habitat

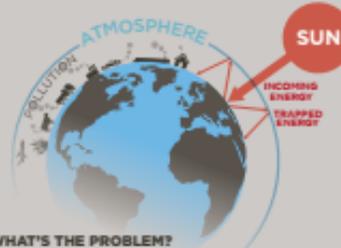
For more information about sea level rise:

<https://www.kingcounty.gov/services/environment/climate/strategies/strategic-climate-action-plan.aspx>
<https://cig.uw.edu/resources/special-reports/sea-level-rise-in-washington-state-a-2018-assessment/>



CONFRONTING CLIMATE CHANGE

WHAT DOES IT MEAN FOR KING COUNTY?



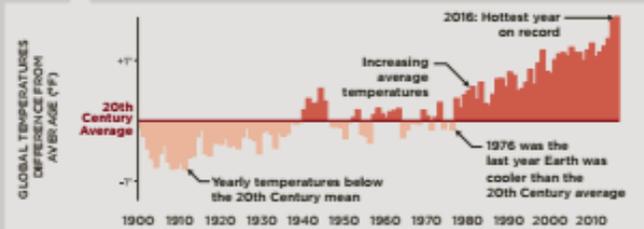
WHAT'S THE PROBLEM?

Increased greenhouse gases are warming our planet and changing the chemistry of our oceans.

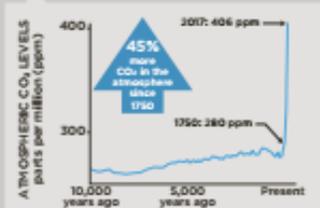


WHAT IS HAPPENING ON A GLOBAL SCALE?

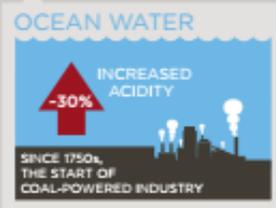
AVERAGE TEMPERATURE IS RISING.



CARBON DIOXIDE (CO₂) LEVELS ARE THE HIGHEST IN THE LAST 800,000+ YEARS.



RIISING CO₂ LEVELS ARE CHANGING THE CHEMISTRY OF THE OCEANS.



RECENT YEARS OFFER A PREVIEW OF FUTURE CONDITIONS IF NO ACTION IS TAKEN.

FLOODING

JANUARY 2015: Warm storms bring torrential rain and flooding.



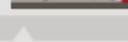
RECORD LOW SNOWPACK

SPRING 2015: Record low snowpack in the Central Cascades.



LANDSLIDE RISKS

WINTER 2017: Wettest winter on record creates flooding and landslide hazards throughout the Puget Sound region.



POOR AIR QUALITY

SUMMER 2015: Northwest forest fires create unprecedented summer air quality problems in the Puget Sound region.



RECORD TEMPS

2015: Hottest year on record for Washington State.
SUMMER 2017: Hottest and driest summer on record for Seattle.



CHANGES ARE ALREADY AFFECTING OUR ENVIRONMENT, ECONOMY, AND HUMAN HEALTH. THE CHOICES WE MAKE TODAY ABOUT REDUCING GREENHOUSE GASES WILL AFFECT THE SEVERITY OF FUTURE IMPACTS.

INCREASED HEAT

Average annual air temperature in the Puget Sound region is increasing (+1.3°F, 1895-2014), and is projected to be 5.5°F warmer in the 2050s.



PUBLIC HEALTH IMPACTS DUE TO HEAT

MORE ILLNESSES
MORE HOSPITALIZATIONS AND DEATHS

INCREASED WILDFIRE THREAT

4-fold increase in annual area burned projected for Washington's forests by the 2040s.

LESS SNOW

AVERAGE CASCADE SNOWPACK



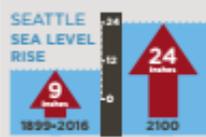
HEAVY RAIN EVENTS ARE INCREASING

By the 2080s, our heaviest rain events are expected to be 22% heavier.

EXTREME RIVER CONDITIONS

SUMMER: WARMER WATER
FALL/WINTER: HIGHER FLOWS + FLOODING

RIISING SEA LEVEL



MORE FREQUENT COASTAL FLOODING



INCREASED COSTS TO SHELLFISH GROWERS

DUE TO OCEAN ACIDIFICATION

ACIDITY

IF WE DON'T ACT NOW, THE COSTS AND CONSEQUENCES WILL GROW.

ENVIRONMENT

Increasing stress for salmon.
Impacts on forests from insects, disease and fire.
Changes in habitat important to local species.
More harmful algal blooms in lakes and Puget Sound.

ECONOMY

Greater risks to homes, businesses, and infrastructure from increased coastal and river flooding.
Warmer forest economies suffer as fish and shellfish declines.
Increased summer drought stress.

HEALTH

Health impacts from heat exposure.
Changes in illnesses carried by ticks and mosquitoes.
Increased risks for people with asthma and heart illness due to more summer air pollution.
Greater risks of injury and property damage from more extreme weather events.

LEARN MORE

Find out what King County is doing to confront climate change at kingcounty.gov/climate. For detailed source information, go to kingcounty.gov/esc/climatechange/sources.

CONFRONTING CLIMATE CHANGE

WHAT IS KING COUNTY DOING ABOUT IT?

KING COUNTY IS COMMITTED TO AMBITIOUS CLIMATE ACTION THAT IS FOCUSED ON:



REDUCING CARBON POLLUTION: RECENT ACCOMPLISHMENTS

TRANSIT

In 2016, the Puget Sound Metro area had the highest rate of increase in transit ridership among the 100 largest metro areas in the country.

125.4 MILLION
PASSENGER BOARDINGS ON METRO TRANSIT IN 2016

ENERGY EFFICIENCY AND GREEN BUILDING

- King County has reduced energy use in its buildings by 4% since 2014.
- Countywide, energy use in buildings decreased 1% between 2012 and 2016.

SMART GROWTH, FORESTS, FARMS

Every year since 2011, at least 87% of new growth and development has occurred in cities and urban areas, reducing sprawl and transportation emissions.

CLEAN ENERGY FUTURE

King County has committed to purchasing clean wind electricity to power nearly all its buildings and facilities in PSE service territory beginning in 2019, reducing direct greenhouse gas emissions from energy by 20%.

WASTE PREVENTION AND RECYCLING

More than half of all materials disposed of in King County are now recycled. Additionally, King County purchases 100% recycled content paper and has reduced consumption by 20%.

REDUCING CARBON POLLUTION: UP NEXT

TRANSIT

- Metro Transit will acquire at least 100 all electric zero-emission buses by the end of 2020 and prioritize deployment to communities most vulnerable to air pollution.
- King County will convert the entire bus fleet to zero emissions technology by as soon as 2034.



ENERGY EFFICIENCY AND GREEN BUILDING

- Develop at least 10 net zero energy or Living Building Challenge government sponsored green building projects by 2020.
- Partner with cities and the construction community to update energy and green building development codes.
- Reduce energy use in County facilities by 7.5% by 2020, compared to 2014.

SMART GROWTH, FORESTS, FARMS

- Permanently conserve remaining high-priority farms, forest, and other open spaces throughout King County within 30 years.
- Plant at least one million trees in King County in cooperation with public, private and community partners.

1,000,000 TREES
King County

CLEAN ENERGY FUTURE

In partnership with the King County-Cities Climate Collaboration, the utilities, and others, research and develop a plan to achieve a countywide 50% renewable electricity target.



WASTE PREVENTION AND RECYCLING

Continue to increase recycling towards a 70% target, including by implementing a separation requirement for cardboard, metal, and yard and wood waste at King County Transfer Stations.

MATERIALS RECYCLED AT TRANSFER STATIONS INCREASED BY 40% 2016 2018

PREPARING FOR CLIMATE IMPACTS

RESILIENT COUNTY OPERATIONS, FACILITIES

King County is planning for climate change impacts on wastewater, stormwater, transportation, emergency management, public health, food risk reduction, and urban recovery.

STRENGTHENING REGIONAL RESILIENCE

King County is working with local cities, organizations, communities and partners to improve regional coordination on climate change preparedness.

ENHANCING REGIONAL UNDERSTANDING

King County is partnering with researchers, local communities, state agencies, and others to address key information gaps related to climate preparedness goals.

ENGAGING COMMUNITIES AND PARTNERS

WORKING TOWARDS EQUITABLE OUTCOMES

King County is building strategic partnerships to ensure that County actions on climate change reflect the needs, priorities, and solutions of communities who are most disproportionately impacted by climate change.

TAKE ACTION ON CLIMATE CHANGE

WHAT CAN YOU DO?

WHY ACT NOW ON CLIMATE CHANGE?

REDUCING CARBON POLLUTION AND PREPARING FOR CLIMATE IMPACTS MAKES OUR COMMUNITIES HEALTHIER AND MORE RESILIENT.

Increasing regional mobility options and reducing waste reduces pollution and improves quality of life.



Conserving resources and reducing waste saves money now and in the future.



Investing in a clean energy future promotes innovation and economic benefits.



Building green makes our homes and workplaces healthier and reduces utility costs.



Preparing for climate change makes us more resilient to today's extreme weather events and other emergencies.



Addressing climate change has benefits for health outcomes, our environment, and air quality.



HOW CAN EACH OF US TAKE ACTION?

SIMPLE CHOICES IN OUR DAILY LIVES CAN MAKE A DIFFERENCE.

GREEN UP YOUR TRAVEL

Public transit, carpooling, biking, or walking reduces emissions and roadway congestion.

PLANT & PROTECT TREES

Healthy forests, parks, and natural areas help keep our air and water clean and reduce urban pollution.

CUT FOOD WASTE & SAVE

Look for smart ways to shop, store, and cook food to reduce food waste.

BUY WISELY & RECYCLE MORE

Recycle everything possible and buy products that are long-lasting, energy efficient, reusable, and have less packaging to prevent waste in the first place.

REDUCE REUSE RECYCLE

REDUCE ENERGY USE

Using LED lightbulbs and other energy saving steps reduces utility bills and environmental impact.

SPEAK UP!

Help shape community action on climate change. Provide your input on climate action.

LEARN MORE

Find out what King County is doing to confront climate change at kingcounty.gov/climate. For detailed source information, go to: kingcounty.gov/es/ec/climatechange/sources.

Attachment 6. King County Engagement Report



Engagement Report

Date | time 17 November, 10-1200pm | *Meeting host or sponsor* DPER, Vashon Island High School

In Attendance

1000am start. About 21 residents in attendance. King County Employees in attendance: Melissa Bailey, Policy Advisor, CM McDermott's office; Christine Jensen, Government Relations/policy analyst, DPER; Kollin Higgins, Environmental Scientist IV, DNRP; Jim Simmonds, Supervisor, Water Quality Unit, DNRP; Lara Whitely Binder, Climate Preparedness Specialist, DNRP; Greg Rabourn, Vashon Basin Steward, DNRP; Brent Champaco, Communications Specialist, DLS; Jerry Pionk, Communications Manager, DLS

Key Themes or observations

Residents had a variety of issues and seemed to be well engaged during the open house portion. There was little Q/A but a few residents did fill out comment cards or engage afterwards. The rising sea levels were understood and some residents expressed shock that we projected 3-5 feet by the end of the century.

Comments/Questions asked

- DPER gave overview of process, topics covered at open house, etc.
- Jim Simmonds with WLRD covered the effects of climate change along shorelines
 - County conducting comprehensive sea level rise study
 - Estimated that "king tides" will bring water 3-5 feet closure to structures along the waterfront by the end of the century
 - The rising sea levels pose problems for structures such as flooding, which could contaminate water supplies with salt water. In terms of septic systems, there's the risk of septic water contaminating the ecosystem of Puget Sound. There's also the problem of rising sea levels causing bluffs to erode quicker.
- Kollin Higgins with WLRD spoke about salmon recovery
 - Discussed recent decision by state that prohibits non-native fish cannot be in the native aquaculture of Puget Sound, specifically by net cages out in the open water. Presents problems such as diseases, food gathering on the Puget Sound floor, escapees, etc.
 - Went over King County's history of trying to regulate net pens, as well as what it will do through this process.
- Crowd feedback
 - During Jim's presentation, one woman said the county should focus specifically on the septic program before anything else. "I think the septic tank program needs to be addressed immensely," "do

something like we did in Bunker Hill," "...King County has dumped more waste into (the Sound) as anyone else..."

-Craig Clikum (sp) reminded county that residents with shoreline property view them as assets, and that the county keeps that in mind as it goes through the SMP process over the next year.

Acknowledges that the county and property owners share a common interest and that he appreciates being included in the conversation. Also gave kudos to the Roads division for recent work.

-Post-event, one resident raised "What is chance we will raise bulkheads? Can we influence that decision?" She was given a comment card to submit to the SMP team.

Due outs/Follow-up/Other notes

-No significant due outs from this event.



SHORELINE MASTER PROGRAM 2019 PERIODIC REVIEW

Alignment with State Regulations

King County is performing a periodic review of its Shoreline Master Program (SMP), as required by the Washington State Shoreline Management Act. The review ensures the SMP is consistent with changes in state law. This document summarizes the changes the County is proposing to make to align with state regulations. These changes have limited impact because they are already in effect due to changes made at the state level. Amending the County's SMP to reflect these state regulations ensures that the policies and rules for shorelines are clear to all who use and apply them.

Summary of Proposed 2019 Changes

The proposed SMP changes needed to be consistent with updates in state law include:

- Adding or correcting references to state regulations in the Washington Administrative Code (WAC) and the Revised Code of Washington (RCW).
- Adding a 90-day timeline for the review of projects submitted by the Washington State Department of Transportation.
- Adoption of state changes to the rules on geoduck aquaculture.
- Add a new procedure that addresses hardships created when a restoration project changes the ordinary high water mark.

Who Could be Affected?

These changes generally apply to all properties within shoreline jurisdiction.

Public Input Needed

These changes are required for state compliance. Are there other changes that should be made to the SMP?



Learn more:
kingcounty.gov/shorelines



2020 Comprehensive Plan Update

Please note, additional changes to shoreline regulations may be considered as part of the 2020 King County Comprehensive Plan update, including:

- Technical updates to the Shoreline Master Program jurisdiction list and map;
- Minor updates to classifications of shoreline properties;
- Technical updates to the text and policies of the Shoreline Master Program in Chapter 6 of the Comprehensive Plan;
- Updates to critical areas regulations, such as revising wetland buffer regulations to reflect the 2014 Washington State Wetland Rating System for Western Washington; and
- Regulatory changes to address risks and impacts of sea level rise to homes, businesses, and infrastructure in coastal areas (see Sea Level Rise one-pager).



SHORELINE MASTER PROGRAM 2019 PERIODIC REVIEW

Net Pen Regulations

King County is performing a periodic review of its Shoreline Master Program (SMP), as required by the Washington State Shoreline Management Act. The review ensures the SMP is consistent with changes in state law. In 2018 the state legislature approved restrictions on new and expanded non-native fish aquaculture (generally net pens) and directed the phase out current operations by 2025.

This document summarizes a proposed change that would prohibit the use of certain net pens to protect sensitive shoreline environments, water quality, habitat, and to prevent impacts on wild fish survival



i Learn more:
kingcounty.gov/shorelines

Summary of Proposed 2019 Changes

- The SMP is proposed to be updated to reflect the change in state law by prohibiting net pens for non-native marine fish throughout its areas of shoreline jurisdiction.
- The SMP is proposed to be updated to expand the current prohibition of all fish net pens (for both native and non-native fish) from Inner Quartermaster Harbor to all of Quartermaster Harbor.

Who Could be Affected?

The prohibition of all non-native marine fish aquaculture would apply to all of King County's shoreline jurisdiction in Puget Sound. The prohibition of all fish net pens would apply to Quartermaster Harbor between Vashon and Maury Islands. These proposed changes would not affect Tribal operation of non-commercial pens for temporary rearing of young Puget Sound Salmon outside of Quartermaster Harbor.

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What are Net Pens?

Net pens are a type of large cage used to farm fish in open water. They are open systems that allow for the exchange of water between the farm and the surrounding environment.

Net pens can put local habitat and wild fish populations at risk:

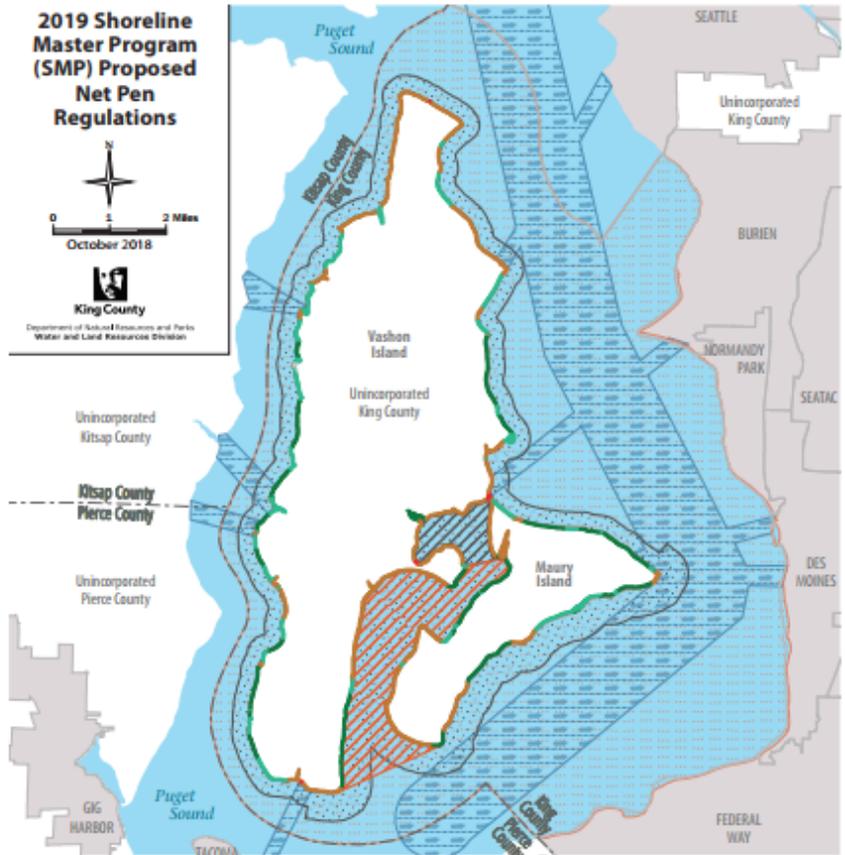
- Disease, and parasites associated with the fish farming operation are released in close proximity to native fish.
- Operations attract predators and mammals that get tangled in the nets and die.
- Extra nutrients from concentrated wastes and food can reduce dissolved oxygen levels in low flushing environments like Quartermaster Harbor.
- Farmed fish may escape and compete with native species for food and habitat and possibly colonize areas with native fish.

SHORELINE MASTER PROGRAM 2019 PERIODIC REVIEW

Public Input Needed

King County is proposing changes to its SMP to reduce risks to native salmon populations, protect sensitive shorelines and water quality, and ensure consistency with recent change in state regulations for non-native marine fish aquaculture. This would prohibit all non-native fish aquaculture in King County's shoreline jurisdiction. Should the County go further and expand the current prohibition on all fish net pens in Inner Quartermaster Harbor to cover all of Quartermaster Harbor, as proposed? Are there additional or alternative changes to the county's aquaculture standards that should be considered?

Map of Quartermaster Harbor



SMP Environmental Designations

- Aquatic
- Natural
- Forestry
- Resource
- Conservancy
- Rural
- Residential
- High Intensity

Existing Prohibitions

- Commercial Salmon Net Pens**
 - Along Shorelines with a SMP Natural Designation
 - Within 1500 feet of Ordinary High Water Mark and Within the Maury Island Aquatic Reserve
- Fish Net Pens**
 - Within Inner Quartermaster Harbor

Proposed Prohibitions

- Fish Net Pens**
 - Within Outer Quartermaster Harbor
- Non-Native Marine Finfish Aquaculture**
 - Within Areas of Puget Sound Under King County Jurisdiction

Existing uses that likely conflict with net pens

- Navigation Lanes and Undersea Cable/Pipeline Crossings
- CITY Incorporated Area
- County Unincorporated Area
- County Boundary

The use of the information in this map is subject to the terms and conditions found at: www.kingcounty.gov/services/gis/Maps/terms-of-use.aspx. Your access and use is conditioned on your acceptance of these terms and conditions. Data: King County GIS File: 181016_9315w_vashon_net_pen_regs.ai

November 2018



SHORELINE MASTER PROGRAM 2019 PERIODIC REVIEW

Sea Level Rise Regulations

King County is performing a periodic review of its Shoreline Master Program (SMP), as required by the Washington State Shoreline Management Act. While there are no state requirements for consideration of sea level rise in shoreline master program updates, the County recognizes the growing risks of sea level rise to homes, businesses, and infrastructure in coastal areas and is preparing for these impacts.

The County is currently scoping 2020 amendments to the King County Comprehensive Plan, which guides development in unincorporated King County, including development in and adjacent to areas at risk to flooding and erosion damage. Concurrent with the public review process for the SMP, King County would also like to share most current information on projected sea level rise, and engage county residents about how to address sea level rise risks and hazards as part of the upcoming 2020 Comprehensive Plan update.

Summary of Proposed 2019 Changes

No sea level rise regulation changes are being proposed as part of the 2019 SMP update. However, the County wants to engage with residents about potential upcoming changes being considered as part of the 2020 Comprehensive Plan update.

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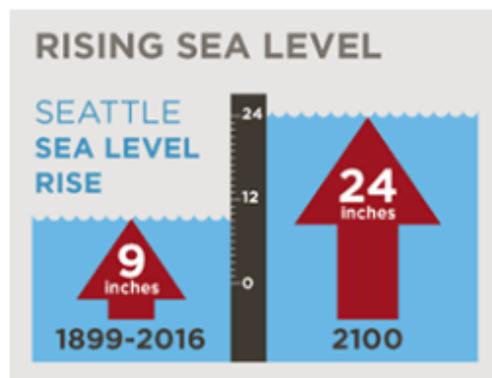
Learn more:
kingcounty.gov/shorelines

Sea Level Rise

Over the next 50 years, sea levels are expected to rise by two to three feet, and by three to five feet by 2100. Without intervention, this is likely to cause a number of impacts to shoreline properties on Vashon-Maury Island such as:

- Increased coastal erosion
- Salt water intrusion into fresh water wells and aquifers
- Increased flooding and failure of on-site septic systems
- Loss of intertidal habitat

For more information on projected climate impacts in King County, please see the climate change infographic and the King County Strategic Climate Action Plan, Section 2.



SHORELINE MASTER PROGRAM 2019 PERIODIC REVIEW

Summary of Potential 2020 Changes

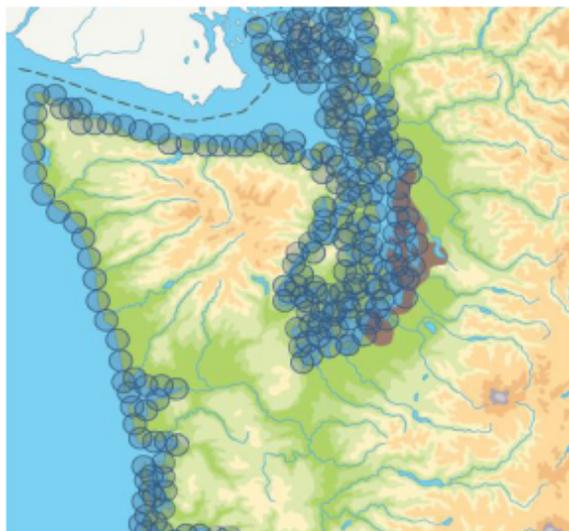
- New policy direction for ongoing engagement of coastal shoreline property owners about risks of sea level rise and best practices for addressing its impacts.
- New policy direction requiring periodic review of the best available science on sea level rise prior to future SMP updates. Update maps and regulations based on the best available science at the time, where appropriate.
- Potential code changes to address increasing risk of erosion and landslide hazards from projected with sea level rise along marine bluffs. This could include increased setback distances for new structures on top of marine bluffs.
- Potential code changes to address increasing risks of saltwater intrusion into groundwater and inundation of on-site septic systems in coastal flood hazard areas. This could include additional limits or conditions on groundwater wells and on-site septic systems in coastal flood hazard areas.
- Potential code changes to create a new buffer zone adjacent to and inland of the coastal flood hazard area to reflect increased flooding risks associated with sea level rise.

Who Could be Affected?

Shoreline property owners on Vashon-Maury Island would be affected by future, potential regulatory changes for setbacks from marine bluffs, and on-site septic systems and wells in coastal flood hazard areas. Vashon-Maury Island and portions of the intertidal zone along the Duwamish River in unincorporated King County could be impacted by additional buffers in coastal flood hazard areas.

Public Input Needed

The County wants to work with the public as we refine information on risks of sea level rise to homes, business, critical infrastructure, groundwater, and water quality, and to develop proposed actions (including education and potential changes to development regulations) to address these risks. What are your thoughts about how sea level rise may affect your property and/or your community? What kinds of issues should the County consider in its decision-making about how to best prepare for sea level rise? What are your thoughts about the potential regulatory changes? Are there other strategies or best practices that you would like the County to consider?



Map showing the 171 locations along Washington's coastline for which relative sea level projections are provided. Projections for each location can be downloaded from the project website:

www.wacoastalnetwork.com/wcrp-documents.html.

Source: WA Coastal Network, Projected Sea Level Rise for Washington State, 2018



For more information on the 2020 Comprehensive Plan update, visit: kingcounty.gov/compplan

November 2018