

Squalicum Creek Re-route Phases 3 and 4 Project

Updated June 2020



Overview

- **2020 - Squalicum Creek Re-route Phases 3 and 4:** The latest phases in a series to re-route Squalicum Creek in order to improve water quality and fish habitat
- **2021 - Orchard Drive Extension:** This street construction project will be constructed in the same vicinity and provide a key transportation link under I-5 and an alternative route between St. Joseph's Hospital, Guide Meridian, and James Street

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This presentation focuses on the upcoming Squalicum Creek Re-route Phases 3 and 4 project, which will be constructed in 2020. The Orchard Drive Extension project is anticipated to start construction in 2021 and will be constructed in the same vicinity. More information about this project can be found at www.cob.org/orchard.

Vicinity Map – Future Condition



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This vicinity map shows the future condition of the Squalicum Creek Corridor after the Squalicum Creek Re-route Phases 3 and 4 (in blue) and Orchard Drive Extension (in red) projects are constructed.

Squalicum Creek



- Provides habitat for coho, chum, pink, and Chinook and steelhead
- Does not meet State water quality standards for temperature, dissolved oxygen, and bacteria

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Chinook and steelhead are both listed under the Endangered Species Act.

Squalicum Creek does not meet State water quality standards for temperature because the water is too warm. The creek warms as it flows through Bug Lake and, prior to the construction of Phases 1 and 2 of the Re-route project, the creek would warm as it flowed through Sunset Pond as well. Bug Lake and Sunset Pond are man-made pits created during the construction of I-5 for fill material. These shallow and wide ponds absorb large amounts of solar radiation, causing temperature to increase and dissolved oxygen to decrease to levels that are harmful to salmon.

Squalicum Creek Re-route Phases 3 & 4



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In summer 2015, we completed the Squalicum Creek Phases 1 and 2 project, which re-routed nearly 1 mile of creek out of Sunset Pond and eliminated two fish barriers to open 22 miles of salmon spawning habitat upstream. Now that the stream is separated from Sunset Pond, the next highest thermal loading is Bug Lake.

With Phases 3 and 4 of the project, we plan to build on our work by restoring Bug Lake to its historic condition as a forested wetland and moving the stream channel south through the newly restored wetland. Moving the stream channel will also avoid a partial fish passage barrier at Squalicum Parkway and allow the stream to pass under Squalicum Parkway through a new fish-passable culvert. The culvert is highlighted in yellow on the map.

Potential Traffic Impacts



- Minor traffic impacts
- Greatest impacts during culvert installation
 - Squalicum Parkway reduced to one lane for 2-3 weeks in July or August 2020
- Emergency vehicles will always be expedited

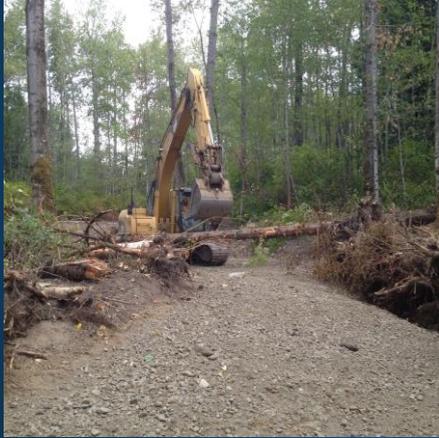
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Individuals who use Squalicum Parkway may experience temporary minor impacts from this project.

During construction of the culvert under Squalicum Parkway, we will need to reduce Squalicum Parkway to one lane for approximately 2-3 weeks in July or August 2020. During this time, construction work will be happening 24/7 and flaggers will be present 24 hours a day to direct traffic. Emergency vehicles will always be expedited through the construction.

Beyond the culvert installation, the only anticipated impacts from this project will be increased volume of haul trucks in the area.

Anticipated Construction Timeline



- **July 2020:** construction work is expected to begin
- **December 2020:** construction work is expected to finish
- **February 2021:** planting will continue through February

More Information

For more information and project updates, visit our website:

- Squalicum Creek Re-route Phases 3 and 4 project - www.cob.org/squalicumreroute
- Orchard Drive Extension project - www.cob.org/orchard

Questions can be directed to
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Funding



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