

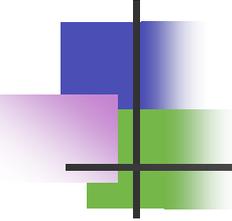
Allen Lake Outlet Project

October 29, 2011

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King County



2011 Project Accomplishments

- ❖ Budget of \$70,000
- ❖ Set up a project website
- ❖ Installed a beaver exclusion fence at NE 8th Street
- ❖ Surveyed the north and west profile of outlet channels
- ❖ Held 2 public meetings
- ❖ Installed 5 water level surface gauges to monitor and calibrate the hydraulic model
- ❖ KC Roads has cleared the culverts at NE 8th Street and replaced the broken debris cage
- ❖ KC Roads has also looked into the emergency access routes



Project Website – Google - King County Allen Lake

The screenshot shows a Windows Internet Explorer browser window displaying the website for the Lake Allen Outlet Project. The browser's address bar shows the URL: <http://www.kingcounty.gov/environment/wlwr/sections-programs/stormwater-services-section/capital-services-unit/lake-allen-outlet-project>. The website header includes navigation links for HOME, NEWS, SERVICES, DIRECTORY, and CONTACT, along with a search bar. The main heading is "Water and Land Resources Division" for King County, Washington. A breadcrumb trail indicates the user's location: "You're in: WLR Division » Sections and programs » Stormwater Section » Capital Services Unit » Lake Allen Outlet Project". A horizontal banner features several images related to water resources, including kayakers, a boat, a fish, a group of people, a truck, a person working in a field, and a market stall. A left-hand navigation menu lists various topics such as "ion", "ion topics", "s you can use", "nd programs", "loodplain", "Regional", "ection", "er Section", "ter Program", "ervices Unit", "len Outlet Project", "ces", "is", "ater", "ent fee", "tes", and "media". The main content area is titled "Lake Allen Outlet Project" and contains three sections: "Project description", "Project goals", and "Summary milestone schedules". The "Project description" section explains that in 2010, flooding occurred at Northeast 8th Street near 250th Avenue Northeast, leading to a study by the King County Water and Land Resources Division (WLRD) to find the most effective way to reduce flooding. The "Project goals" section states the aim is to reduce flooding over roadway by developing alternative solutions and implementing cost-effective measures. A photograph shows a flooded roadway with water covering the road surface. The "Related information" sidebar on the right lists links for "Allen Lake", "Stormwater services", "Flooding services", and "Sammamish Watershed". The browser's status bar at the bottom shows "Internet" and a 100% zoom level.

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King County, Washington

You're in: WLR Division » Sections and programs » Stormwater Section » Capital Services Unit » Lake Allen Outlet Project

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Lake Allen Outlet Project

Project description
In 2010, residents around Lake Allen in the Sammamish area reported that the lake outlet flooded Northeast 8th Street, near 250th Avenue Northeast, restricting access to homes. In response, King County initiated an effort to document the flooding, and begin planning for the most effective way to reduce the flooding.

Project goals
To reduce flooding over roadway in the vicinity of Northeast 8th Street from 245th Place Northeast to 250th Avenue Northeast by developing alternative solutions and implementing cost effective measures.

Summary milestone schedules

Related information

- Allen Lake
- Stormwater services
- Flooding services
- Sammamish Watershed

Flooding over roadway at Northeast 8th Street near 250th Avenue Northeast during the December 2010 storm event

Internet 100%



NE 8th Street 2010



NE 8th Street October 2011



Gauge locations

- ❖ Gauges at:
 - ❖ NE 8th Street
 - ❖ Lucarelli property foot bridge
 - ❖ Michelman Driveway
 - ❖ Inlet to NE 244th Street culvert
 - ❖ NE 25th Street

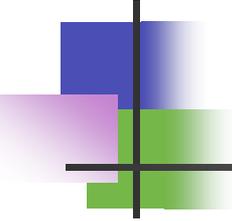


Michelman Driveway Gauge



Early Actions – Clearing 4 Driveway Culverts

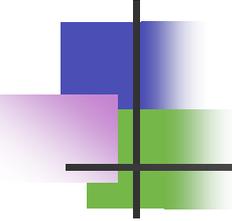




Emergency Access Routes

- John Cassidy, King County Roads Maintenance

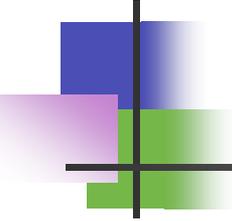




2012 Project Plans

- \$200,000 project budget in 2012
- Draft feasibility study available on the website for public review by March 31, 2012
- Public meeting to discuss the study by April 30, 2012
- Finalize the study and begin design by July 1, 2012

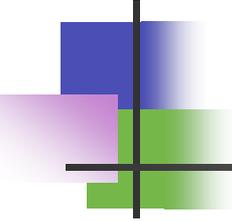




Preliminary Capital Improvements

- Upgrade Culvert system under 244th Ave NE to a system approved by the Dam Safety Office
- Lower top of Newfeld channel crossing to two feet
- Increase 4 culverts to 48-inches
- *Raise NE 8th Street Roadway*
- *Channel Vegetation Management*
- *Channel Dredging*





Questions?

