

From: WABA's Shoreline Restoration Project Committee
To: WABA members
Re: Project update
December, 2011

WABA Members:

As of last month, we have received all required permits to begin the construction of our Shoreline Restoration Project. This letter summarizes progress to date and outlines our goals, going forward. Project details are given in the appended Shoreline Engineering supplement.

Project funding:

This has been funded and supported by the King Conservation District (KCD) and King County Water Resource Inventory Area (WRIA) 8. Per agreement, WABA modified the KCD grant boilerplate contract to reflect WABA's recreational non-profit status and protect its private property rights, in perpetuity.

In September 2009, WABA received a \$50,000 KCD grant to hire a landscape architectural team (including structural engineer and biologist) to help community members weigh options and develop design priorities for a comprehensive waterfront plan. This plan, envisioned and developed over three widely attended community meetings, was designed for WABA by John Barker and Associates. It is intended to restore juvenile Chinook salmon habitat while improving or maintaining members' recreational use of the beachfront. The Waterfront Master Plan, along with an appended Coastal Engineering Report citing methodology and analytical framework, has been up on the Town website and available to WABA members since summer, 2010.

In September 2010, WABA received a second KCD grant of \$25,000 to fund the permitting process. This included development of detailed engineering drawings required by the Seattle Army Corps of Engineers and it addressed various other Corps requirements as well as those of the Washington Department of Fish And Wildlife and the Town of Beauvillards. The permit process was run by Barker and Associates as WABA's agent. It took over a year to complete, and until we made it through the required gates, there was little to report.

Recently, in September 2011, KCD awarded WABA its third grant of \$50,000 to fund construction. Originally, Shoreline Committee members thought WABA could use this 50K to leverage a much larger grant from a different funding source: the Salmon Recovery Fund (SRFBoard). However, following the initial SRF site visit, it became apparent that the

SRF mandate, 'funds dedicated to salmon recovery only' did not fit with WABA's recreational goals.

Consequently, with KCD and WRIA 8 approval, we narrowed the scope of the 2011 construction grant to **focus on members' top priority: renovation of the swim beach.** This is considered to be Phase One, Part I (100 feet) of the larger, permitted project which covers three sections or 400 feet of WABA's 1100 foot shoreline. Part 2 of the swim beach area, construction of the small cove, just north of the sandy beach is planned for 2013.

Three years of KDC funded maintenance cost is built into each construction grant cycle.

In August, at an application review meeting with KCD staff and Board members, Project Lead, Joann Bromberg, was told that KCD and WRIA 8 remain committed to supporting WABA's restoration goals. Looking forward to the 2012 and 2012 KDC grant cycles, WABA may apply for up to \$150K each year. Those funds will go toward completing the permitted project.

Construction plan:

With 50K in hand, we plan to negotiate a fixed price contract for the swim beach. Given this, Committee members asked three contractors – all with experience in shoreline construction and restoration – to give bids based on a bid document, prepared by the Barker team. We have stipulated that construction must not only follow permit window requirements, it also should not take place during high swim season. All together, we are looking at about a month of work. We have some leeway regarding upland versus in-water construction, but must wait until the bids come in before we can understand which approach would be best for the community.

Shoreline Committee members look forward to the remodel of our swim beach. We hope you do too. Please call or email anyone of us with questions or concerns.

Thanks again for your support,

Joann Bromberg, Carol Clemett, Paula Dix, John Gillem, Forrest Kulp,
Marji Jochum
WABA's Shoreline Project Committee
December, 2011

In the continued interest of transparency and community education, the WABA Shoreline Project Committee wishes to provide a supplemental communication to all WABA members, providing further information and external resources regarding the mitigation of both boat and weather wave action with shoreline design.

While there has been great discussion and education during town halls and most recently during the public hearings held at the town council, it is not always possible for everyone to attend these meetings, yet important that all have access to this information. The following provides a brief overview of key elements of our Shoreline Project and some external resources that provide further education on shoreline design and wave action.

Key Engineering & Design Elements of Our Project

The first phase of the Shoreline improvement project - the swim beach - will not remove any of the existing bulkhead. The work taking place both in and out of the water utilizes a comprehensive shoreline design to mitigate wave/wake action and will:

- Make slope changes to support a 1:7 grade in water softening the wave action
- Use coarse rock and sands to minimize material movement
- Create a cove
- Natural armor options such as timber and other natural materials
- Add small shoreline plants
- Require maintenance or nourishment every 5-10 years

Please reference the [October 2011 Council Meeting Minutes](#) for answers to the key questions

Coast Engineering Design & Solution Background

To further understand the engineering around shoreline, we encourage you to explore the following external resources regarding shoreline development and wave motion:

- [Green Shoreline](#): Pages 6 – 7 speak specifically about slope, design, and nourishment
- Wave Motion & Mitigation: To understand the wave dynamics that were of concern in the planning process of this project click on the two links to YouTube videos located on the [WABA Shoreline Committee site](#)

Get Out and Explore Local Examples

We encourage you to get out and explore other projects in the area:

- Luther Burbank
- Seward Park