

Hidden Lake Maintenance Discussion

August 5, 2013



Why is Hidden Lake a Management Issue?

- Maintenance costs are very high (\$430,000 since 2002)
- Unanticipated high costs affect the ability of Utility to complete other projects that better meet goals and objectives of Utility (flood reduction, water quality, and aquatic habitat enhancement)
- 2013 Maintenance Cost: \$168,000

What is Hidden Lake?

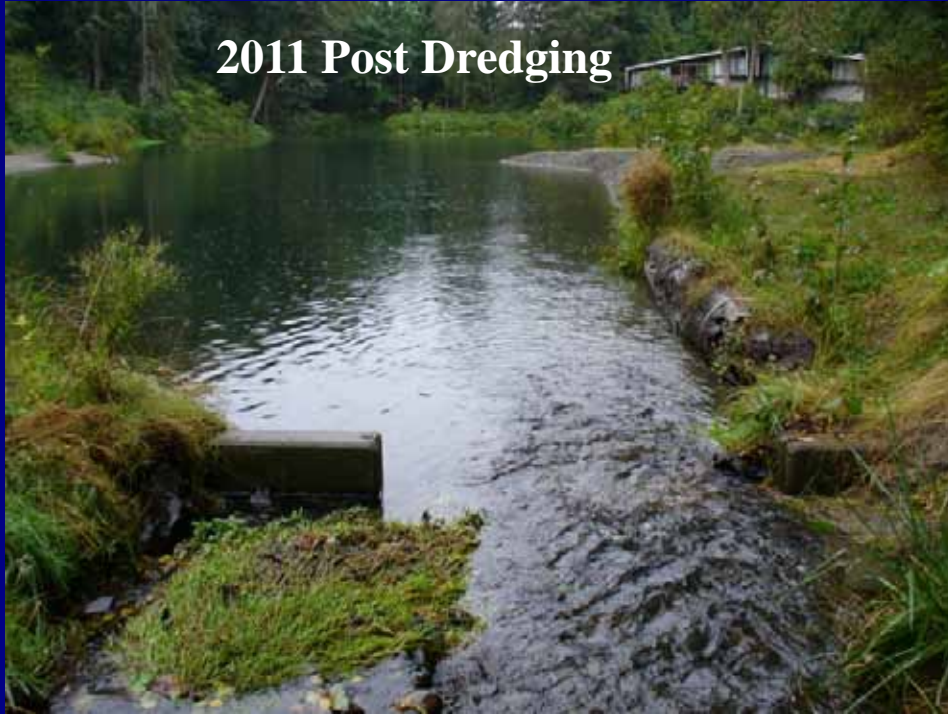
- Hidden Lake is a habitat facility constructed by King County in the 1990's
- City is responsible for maintaining the design condition by easement with property owners: forebay, open water wetland/lake, outlet structure, and dam
- In-line with Boeing Creek and straddles private and public property

Where is Hidden Lake?



Sedimentation Effects

2011 Post Dredging



After 2012 Storms



Alternatives Discussion for Hidden Lake Facility Management

Alternative	Advantages	Disadvantages	Costs
Sediment Removal in 2013/Feasibility Study	<ul style="list-style-type: none"> • Meets current maintenance standard • Informed public process for future management decision 	High maintenance costs until publicly informed alternative is proposed	\$168,569 in 2013 and up to \$100,000 for feasibility study
No Sediment Removal/Feasibility Study	<ul style="list-style-type: none"> • Cost savings in 2013 • Informed public process for future management decision 	<ul style="list-style-type: none"> • Facility will not function as designed (potential higher long term costs) 	\$100,000 for feasibility study and future unknown costs
No Sediment Removal/No Study	<ul style="list-style-type: none"> • Cost savings 	<ul style="list-style-type: none"> • No public process • Premature decision without analysis of effects 	Continued staff costs for monitoring outlet/dam
Sediment Removal Cost Share with adjacent landowners	<ul style="list-style-type: none"> • Continued maintenance at reduced cost to Utility 	<ul style="list-style-type: none"> • Continued funding of facility that does little to meet goals of Utility 	\$168,569 in 2013 and approx. \$25,000 or less in future years

Staff recommendation:

Alternative 1: Complete sediment removal in 2013 and feasibility study for 2014 CIP recommendation.



Policy Direction/Discussion/Questions

