Pierce County
PUBLIC WORKS AND UTILITIES

2014

The Flood Control Zone District Maintenance & Operations Summary



Maintenance and Operations - River Systems

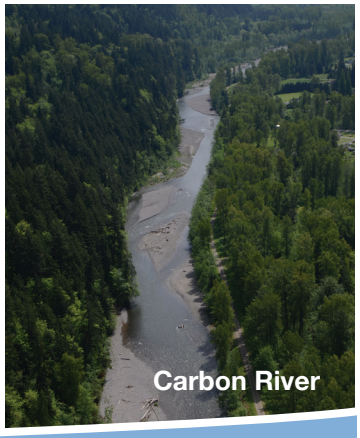
The Pierce County Flood Control Zone District provides 15 percent of its annual budget to Pierce County for operation and maintenance expenses for the flood risk reduction facilities along Pierce County rivers. In 2014, this equated to approximately $1.1 million. The balance of maintenance and operations expenditures is funded by stormwater fees paid by the citizens in unincorporated Pierce County.

The annual cost of maintaining these flood risk reduction facilities fluctuates based on preventative maintenance and in response to damage from weather events. The annual costs can be as low as $1.5 million or as high as $5.25 million, with an average expenditure being approximately $3 million. In 2014, the Pierce County river levee maintenance and operations budget is anticipated to be $3.1 million.

Pierce County operates and maintains over 69 miles of levees and revetments along 87 miles of river bank on four major rivers: Puyallup, White, Carbon and Nisqually. Maintaining a consistent level of flood protection requires an annual program of repairs, rehabilitation, and vegetation maintenance. Providing consistent and reliable maintenance is vital to an effective system of flood risk reduction facilities and in remaining eligible for federal assistance.



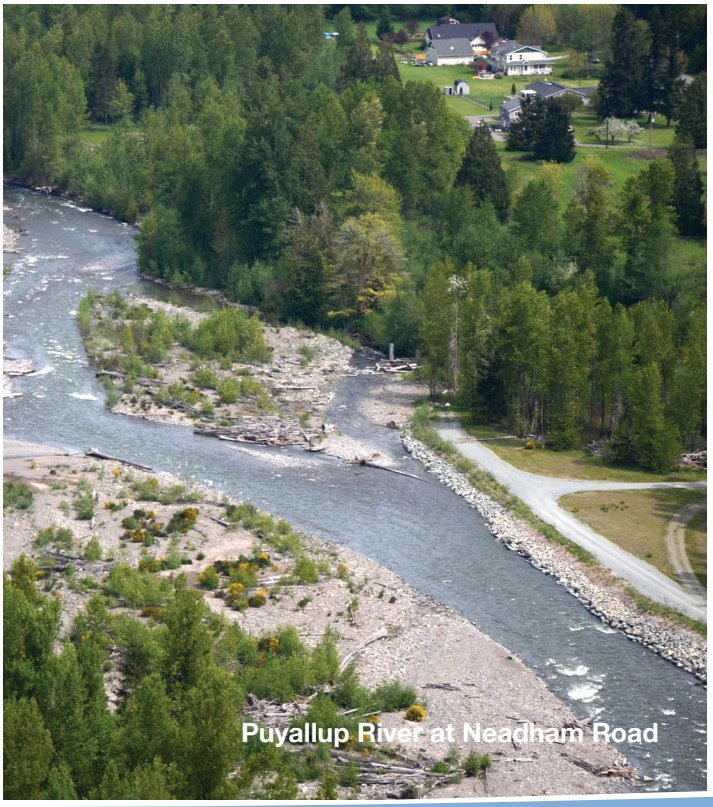
Carbon River Repair


Carbon River

By The Numbers: 2014 Pierce County Maintenance & Operations - River Systems

Administration, Operations, Planning and Permitting for river maintenance includes costs associated with operation of the Orting Quarry, funding the flood warning systems and joint maintenance of the USGS river gauges, vegetation management along river levees, and the planning and permitting costs associated with yearly repairs and maintenance activities. A total of seven maintenance projects have been completed during the 2014 construction window.

Name and location	Problem	Repair
Ski Park/SR 162, Carbon River	Moderate toe and face erosion	Repair 150 lineal feet
Near 177th St. E./SR 162, Carbon River	Moderate face rock failure	Repair 250 lineal feet
Near Orting Treatment Plant, Carbon River	Moderate toe & face rock failure	Repair 260 lineal feet
At 147th St. Ct. E./SR 162, Carbon River	Moderate toe scour and loss of face rock Oversteepened bank Thin face rock	Repair 500 lineal feet
Near Soldier's Home, Puyallup River	Minor face scour Overly steep Missing toe & face rock	Repair 100 lineal feet
Near Neadham Road, Puyallup River	Minor toe scour causing lower face to slough Toe and face rock missing	Repair 260 lineal feet
Near Champion Bridge, Puyallup River	Major to moderate damages Toe rock rolling out and face rock sloughing	Repair 400 lineal feet



Puyallup River at Neadham Road



Puyallup River Repair