

CLAMP Management Objective #11

- Stormwater Strategy of 2005

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The municipal jurisdictions of Olympia and Tumwater are in the process of adopting six-year Capitol Facility Plans (CFPs) for their stormwater and surface water utilities. The Washington Department of General Administration (GA) also puts forth projects in the State Capitol Budget for the next ten years. The cities have a list of projects for the 2005 calendar year, while GA's projects would be for the 2005-07 biennium. While the Washington State Department of Transportation (WSDOT) has a number of facilities (I-5 & SR-101) and stormwater outfalls within the basin, they have no plans to undertake any projects in the foreseeable future.

For a more complete description of the CLAMP entities projects, refer to the *CLAMP 2005 Stormwater Strategy*.

TUMWATER

The City of Tumwater 2005 Capitol Facilities Plan currently identifies 15 projects. All 15 will ultimately affect the quality, timing, and quantity of stormwater entering Capitol Lake, but the following are those which have the most direct impact - although none are direct discharges to Capitol Lake.

- *Deschutes River/Percival Habitat,*
- *2 Major Outfall Improvements,*
- *Tumwater Valley Regional Facility,*
- *Percival Creek Treatment, and*
- *Facility Monitoring*

OLYMPIA

For the City of Olympia, the direct measurement of stormwater-related improvements in Capitol Lake over time will be challenging, if not indeterminate. Our strategy will indirectly measure improvements by discovering and correcting stormwater and sewer connections; cleaning many pounds of contaminants from downtown streets; and providing ample opportunity for residents to understand the implication of their actions on water quality. Future results of various technical analyses including the Washington State Department of Ecology TMDL process will be incorporated into our strategy.

Capital Facilities

- Sewer/storm system cross-connect correction
- Comprehensive stormwater pipe inspection and condition rating
- Captive Hydrology Street cleaning

- New technology demonstration projects (Gunderboom micro-filtration, Continuous Deflection Systems)
- Blue Water Canyon stabilization and water quality treatment
- Stormwater storage and treatment upgrades to Yauger Park and Automall/SR 101 ponds
- Stabilize several erosive sites along Percival Creek

Operations and Maintenance

- Develop GIS-based software for stormwater facility documentation and maintenance tracking
- WA Conservation Corp crew

Development Regulations

- Adopt new WDOE onsite stormwater management requirements
- Adopt updated Critical Area Ordinance (Community Planning and Development lead)
- Clean Water Act TMDL response

Technical Assistance

- Update maps of Capitol Lake drainage areas and pipe systems
- *Public Education*
- Youth tours of Capitol Lake
- Salmon Steward docent program at 5th Avenue bridge
- Drain Dare educational trailer
- Downtown manhole cover replacements
- Black Lake Ditch revegetation
- Downtown environmental/public art projects (potential)
- Scoop! Signs and pet waste bags education
- Expanded youth summer day camp program
- Carwash pollution and dumpster leakage prevention campaigns

Planning and Evaluation

- Investigation and demonstration of various new techniques including porous sidewalks and pavement and rain gardens
- Support for Capitol Lake Estuary Feasibility Study

Monitoring

- Enhanced stream monitoring program

GENERAL ADMINISTRATION

General Administration is responsible for the State Capitol Campus. Capitol lake is part of the North Campus Sub Area. Many of the sanitary sewer and storm water lines on the Capitol Campus are over 50 years old. A \$1.8 Million repair program has been formulated to upgrade the poorest systems first. Protecting the stability of the slopes adjacent to the campus has been a problem and the 2001 Nisqually Earthquake has cause additional concerns for the stability of these slopes.

- **Repair Storm Water and Sanitary Sewer (2005-07)**
- **Repair/stabilize hillsides: Slope north of Temple of Justice (2005-07)**
- **Repair/stabilize hillsides – Slope at the Pritchard Building (2007 – 09)**
- **Repair/stabilize hillsides: O'Brien – Mansion Slope, North Slope east of Powerhouse (2007 – 09)**