

SCOPE OF WORK

Fauntleroy Creek Sediment Control and In-Stream Habitat

Following is a somewhat-condensed version of the scope of work provided 12/03 by Seattle Public Utilities.. For the entire document or more information, contact project coordinator Ms. Chris Woelfel at Chris.Woelfel@seattle.gov. The consultant, Otak, has begun work.

This scope of work addresses sediment and erosion-control objectives of the Fauntleroy Watershed Plan, as well as additional in-stream habitat improvements, wetland mapping, and wetland vegetation improvements. The project area includes Fauntleroy Park, Kilbourne Park, and associated unopened rights-of-way downstream to Fauntleroy Way S.W.

The purpose of the project is to develop a plan that will

- restore natural processes to improve sediment transport, reduce erosion, and create more diverse in-stream and corridor habitat in Fauntleroy Creek and
- improve silt transport through the fish ladder.

The plan will fulfill this purpose by

- improving long-term natural management of stream energy and sediments through addition of in-stream structures, such as logs and rocks, that dissipate energy, control velocity, and reduce bank erosion,
- modifying areas where trails cross creeks to reduce erosion,
- reducing the sediment load associated with road runoff traveling down trails,
- mapping associated wetland habitat, and
- improving riparian and associated wetland habitat by the addition of native plants.

Restoration is expected to involve hand labor and be done principally by youth environmental training groups under the supervision of a stream restoration expert.

Task 1: Provide project management and quality control.

As prime consultant, Otak is responsible for management and coordination of the defined work.

Task 2: Manage subconsultant work assignments.

Subconsultants will coordinate directly with the city staff, the Otak team, and contractors working for Seattle Public Utilities (SPU), including providing work progress and budget status reports, coordinating with SPU staff, and coordinating with Seattle Department of Parks and Recreation (DPR) staff as needed.

Task 3: Review existing conditions, research, and background material.

Review existing SPU, DPR, and community reports relating to the park, vegetation data, stream flow, fish and wildlife use, and channel conditions and identify data gaps.

Task 4: Conduct field reconnaissance to identify problem areas and draft specific goals.

Using information from SPU and citizens and your field observations, identify known problem areas (shown on a base map) related to stream, sediment, and wetlands and recommend clear goals for managing sediments and enhancing instream and wetland habitat.

Task 5: Create a longitudinal profile of the stream channel.

This profile should identify slopes, steep drops, and existing pools and bed controls in the main branch upstream from Fauntleroy Way S.W. into the park, as well as tributaries A, C, G, and E.

Task 6: Map wetlands and assess wetland habitat.

Field-map wetlands within the project area and conduct a qualitative assessment of wetland habitat.

Task 7: Participate in public meetings.

Attend up to two informal meetings with a working team to develop problems and review strategies and attend public meetings in conjunction with scheduled Fauntleroy Watershed Council meetings.

Task 8: Develop draft and final strategies for problem resolution.

Identify discrete locations for such strategies as adding large woody debris or weirs, rerouting trail runoff, regrading slopes, revegetating key areas, and enhancing wetland. Provide maps and sketches in sufficient detail for permit applications and implementation under supervision of a stream restoration expert. Develop material lists and cost estimates and identify work suitable for EarthCorps and volunteers.

Task 9: Provide technical assistance for grant applications.

Assist SPU by reviewing draft grant applications and providing technical support.