In more detail, here are the objectives of the Sustainable Stormwater group as a whole, as spearheaded by the SSC:

**1. Develop an effective feasibility study stormwater feasibility including (9 months):**

A. Preliminary assessment of stormwater hotspots through selective water quality and soil testing for organic and inorganic pollutants, at key stormwater drainages. Tests for pH, alkalinity, hydrocarbons, heavy metals, will be prioritized.

        a. Develop a plausible 9 month scope of work for the first SSC term of service

        b. Identify sources and methods to obtain existing data about stormwater quantity and quality, current data deficiencies, project data requirements, exact the precision on cost resource requirements.

        c. Assist project consultant, Dr. Aaron Clarke to create site criteria, analyze 3-5 sites, and prepare preliminary diagrams of the physical space.

        d. Assist Plant Microbiology Lab (PMBL) to conduct preliminary assessment of the contamination of water and soil from parking lot areas: Identification of pollutants and quantification of stormwater runoff pollutants.

B. Campus wide stormwater web resource development

        a. summarizing pollution impact on Portage/Union Bays,

        b. analysis of current stormwater project strengths and pitfalls (including past/present CSF projects).

        c. develop a GIS layer map of campus-wide pollution hotspots, impervious surfaces and potential future mitigation locations.

        d. research and identify campus re-designs to avoid development conflicts

        e. publicize volunteer and project opportunities

C. Design of a reproducible, best practice and cost-effective bio-retention model that can be adapted in multiple spots around campus, including variations that can be cost-adaptive. This can serve as a guiding example for the rising number of students aspiring to develop campus stormwater projects.

        a. Assist PMBL to conduct material evaluation: selection of plants, grasses, trees & endophytes best suited, that could potentially work in tandem with runoff filtration.

        b. Identify issues that will inhibit stormwater sustainability

        c. work with project partner '12,000 Rain Gardens' to design effective project design models

**2. Work in collaboration to develop campus wide stormwater mitigation (ongoing):**

A. Communicate with relevant campus players to establish a collaborative and timely approach to this issue and build a quality assurance plan for future projects developed out of this position

        a. work collaboratively with Landscape Architect Kristine Kenney and Grounds Management to identify appropriate locations for future stormwater mitigation and/or related student projects

        b. work collaboratively with project adviser Dr. Susan Bolton and campus Engineer Jim Morrin to identify appropriate geological and hydrological locations for future stormwater projects

B. Work with Husky Sustainable Storms on implementation of the bioswale

C. Work collaboratively with local non-profits, including ’12,000 Rain Gardens’, ‘Salmon Safe’, ‘Puget SoundKeeper’, and academic institutions, including North Seattle Community College, to research stormwater fee reduction

D. Create and assist with and provide consultation for future student stormwater endeavors

E.  Coordinate with SER about educational signage for current stormwater projects