



Ko'olaupoko Urban Sub-basin Action Plan Coordinator: Position Description

Project Background

Increasingly, Hui o Ko'olaupoko (HOK) is realizing a need to implement prioritized, well thought-out Low-Impact retrofit Development (LIRD) projects to address non-point source pollution. Urban and developed areas of Ko'olaupoko have impervious surface cover ranging from 50% in Ka'elepulu to 57% in Kea'ahala. An increase in impervious surfaces seems to correlate with an increase in parameters listed on the 303 (d) list including nutrients, turbidity, nitrite/nitrate, Total N&P and trash.

HOK has secured funding to implement an urban sub-basin action plan. The action plan will highlight prioritized opportunities to address non-point source pollution with Best Management Practices and LIRD projects.

Goal of Project

Assess urban areas and other developed lands that contribute to non-point source pollution in Ko'olaupoko using ecological metrics and social inputs to prioritize opportunities for Low-Impact re-Development (LIRD) implementation.

This will lead to implemented projects that mimic a site's predevelopment hydrology by using design techniques that infiltrate, filter, store, evaporate and detain runoff close to its source.

Tasks, Deliverables and Responsibilities

The Coordinator will oversee the research and production of an Urban Sub-basin Action Plan to be used by HOK for future restoration opportunities related to non-point source pollution. The Coordinator's responsibilities include, but may not be limited to, the following:

- ✓ Participation in Technical Advisory Committee (TAC)
- ✓ Work with partners to determine input metrics for site selection prioritization (e.g. rainfall, storm water drainage, land use, ownership, pollutant types/sources, etc.)
- ✓ Research suitable BMPs for Ko'olaupoko conditions
- ✓ Ground-truthing aerial GIS assessments, determining LIRD/BMP options for prioritized sites
- ✓ Determine pollutant load reduction for prioritized sites using load reduction methods
- ✓ Finalize aerial maps with LIRD/BMP opportunities for prioritized sites
- ✓ Produce draft and final production of sub-basin plans (chapters/content TBD)

Education and Skills

HOK requires at a minimum the following qualifications for this position:

1. B.S. or B.A. degree in physical, natural science, geography, environmental studies/science, social science, urban and regional planning **or** related field;

2. Proficiency in Geographical Information System (GIS) using ESRI ArcGIS;
3. Proficiencies in Microsoft Office including: Word, Excel, Publisher and PowerPoint;
4. Strong writing skills
5. Valid Hawaii Drivers License or the ability to obtain one within 30-days and the use of personal vehicle (travel will be reimbursed at the approved federal rate); and
6. Willingness to gain knowledge about low-impact development, green infrastructure and best management practices as they relate to non-point source pollution.

Desired Skills:

1. Experience with water quality parameters and non-point source issues;
2. Data gathering and interpretation; and
3. Public speaking.

Desired Knowledge:

1. Knowledge of local geographical area; and
2. Understanding of non-point source pollution and its relationship to stream and ocean health.

Timeline/Duration

The Action Plan Coordinator can expect to begin work in early 2011. It is anticipated this will be a 9-month temporary position.

Remuneration

Compensation is \$18-\$21/hr based on experience, no health benefits are provided for this position. The position is part-time not to exceed 19hrs/week. No relocation costs are associated with this position. The Action Plan Coordinator will report to the Executive Director of HOK. The coordinator will have a work station available for use at the HOK office in Kailua. Interested applicants should send cover letter (1-page), resume and three (3) references to:

Todd Cullison, Executive Director

Hui o Ko'olaupoko

1051 Keolu Dr. #208

Kailua, HI 96734

or e-mail materials (PDF format) to:

tcullison@hawaii.rr.com

Materials are due no later than 5:00 pm December 20, 2010.

For additional organization information visit www.huihawaii.org.

Hui o Ko'olaupoko is an equal opportunity employer.