

Winter Creek Stabilization and Enhancement, UC Berkeley Botanical Garden (Mather Redwood Grove)
Second Annual Monitoring Report (October, 2011)

Background:

This project to stabilize slumping creek banks and to repair/prevent head- and down-cutting of the channel was completed in October of 2009 (Philip Williams Assoc. Ref. # 1773.02). Portions of the failing banks were re-contoured and reinforced using both geotechnical and vegetative methods. The creek channel was modified to include step pools and other energy dissipating means (boulder placement, appropriate channel vegetation, etc.) to address scouring and erosion of bed materials.

Qualitative and Visual Survey Results:

A survey of the site was conducted on October 28, 2011 by Tim Pine, Environmental Protection Specialist, Office of EH&S, UC Berkeley.

On this date there were no observed failures of the stabilization measures. Vegetative growth of both intentionally planted and naturally occurring native species appeared excellent. No significant presence of invasive non-native vegetation was observed.

No channel changes or degradation of existing conditions were observed upstream (concrete channel and culvert) or downstream (culvert outlet to Strawberry Creek South Fork) from the project site

See attached photos; (photo points referenced are indicated on the attached site maps.)



Photo Point 1 (10/28/2011)



Photo Point 2 (10/28/2011)

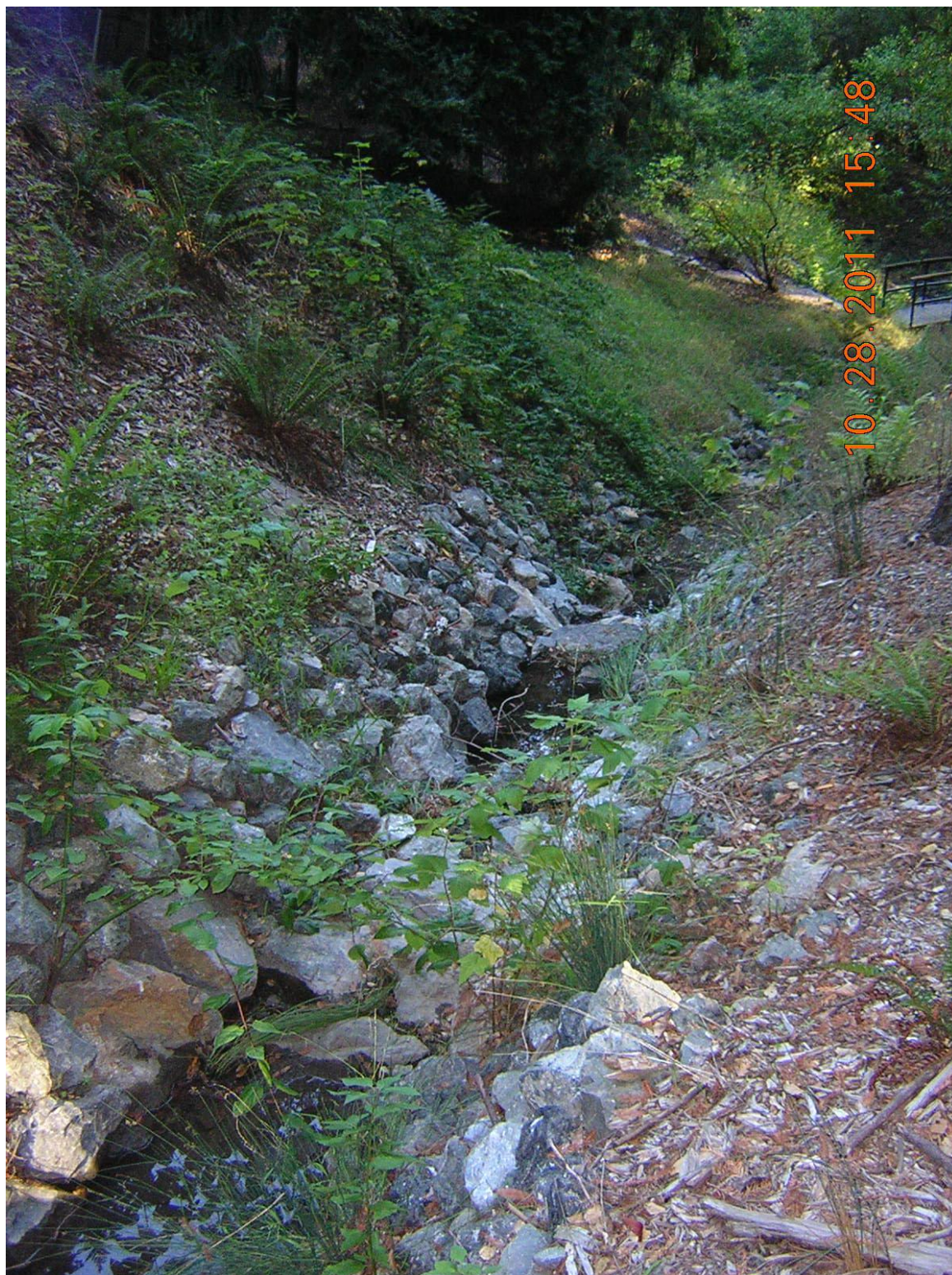


Photo Point 3c (10/28/2011)



Photo Point 3b (10/28/2011)



Photo Point 3a (10/28/2011)



Photo Point 4b (10/28/2011)



Photo Point 4a (10/28/2011)



Photo Point 5 (10/28/2011)



Photo Point 6 (10/28/2011)