

# NORTH COAST BIODIVERSITY

## **MAPPING, BIOREGIONAL PLANNING, RESTORATION**

Our goal is to encourage the shift of land-use planning priorities from urban-centered to wilderness-centered. We are building on this change of cultural values to reshape the present urban/suburban/parkland regional configuration towards regions characterized by sustainability and biodiversity.

Our approach is to map wild “core areas”, wilderness areas which are the creative remnants of our ecosystems, and wild corridors, land-bridges between core areas necessary for the migration of animals and plants. We offer services to plan, create and restore wild core areas and corridors:

Watershed needs analysis and restoration planning Essential information is required to identify and then analyze the restoration goals of a watershed community. We are familiar with existing natural resource databases and the agencies which maintain them. We have experience in working with local community groups to realize their restoration goals.

GPS mapping team assistance GPS (Global Positioning System) technology is a quick, portable, and very accurate tool used to establish your location on the ground, within 10 meters or less, for the creation of accurate maps and geographical databases. The cost of this equipment is usually beyond the reach of local action groups and the need is usually just for a few weeks out of the year. North Coast Biodiversity makes this tool available, with an operator, to watershed restoration groups for a modest fee, on a scheduled basis.

GIS database creation, analysis, management, and custom map generation A GIS (Geographic Information System) is a place-specific database capable of analysis and display of answers to natural resource questions, whether they be questions of development or restoration. North Coast Biodiversity operates a GIS suited to watershed restoration issues. We can help you achieve the benefits of this technology with a minimum learning curve by creating and maintaining your database on our equipment (the recommended mode for small groups), or by assisting you with the selection and installation of your own system. Once your information is loaded into a GIS (not a trivial task), we can help you extract the relevant information and generate custom maps for your watershed restoration work. These maps are typically used to create and track restoration prescriptions and to present community work to funding sources.

To investigate this new resource for community planning and watershed restoration call George Tukel or Rhodes Hileman at 510 : 548-9101 or 707 : 585-8377.

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