



Hatfield
CONSULTANTS

Environmental Specialists Since 1974

BIODIVERSITY

ASSESSMENT

Hatfield helps you understand ecological and social values by conducting biodiversity assessments

OUR BIODIVERSITY SPECIALISTS COLLECT DATA ON SPECIES AND NATURAL RESOURCES AT PROPOSED PROJECT SITES:

Baseline biodiversity surveys

Species and populations modeling

Develop biodiversity management plans

Determine socioeconomic and cultural value

Remote sensing and GIS analysis

Habitat mapping

Encourage local community participation

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We survey biodiversity, assess environmental impacts, and develop conservation strategies to preserve the rich diversity of flora and fauna. We have carried out an extensive range of biodiversity surveys and developed effective management plans to preserve fauna and flora. Through community mapping, a proven method of documenting traditional land use, we encourage local communities to participate actively in developing conservation strategies. Our use of geographic information systems (GIS) and remote-sensing technologies provides a uniquely enabling perspective on the biophysical environments in which we work.

FEATURED PROJECTS



BIODIVERSITY CONSERVATION PLANNING IN VIET NAM

Hatfield provided technical support to the WWF Greater Mekong Program and Thua Thien Hue Province Forest Protection Department in Viet Nam to incorporate remote-sensing and GIS technologies into biodiversity conservation planning and management. We conducted habitat mapping by integrating biodiversity survey data with traditional ecological knowledge collected through community-mapping exercises. GIS-based analysis was used to determine high conservation value attributes and provide a framework for biodiversity conservation planning.



BIODIVERSITY SURVEYS FOR THE MINING INDUSTRY IN INDONESIA

As part of the pre-feasibility phase of a development project, Newmont contracted Hatfield Indonesia to conduct a baseline terrestrial ecology survey of the Martabe area and develop a conservation strategy. Our survey included vegetation, mammals, birds, reptiles, amphibians, and insects with special emphasis on endangered wildlife, including orangutans, tigers, and serows. Soil and air-quality surveys were also carried out to obtain baseline environmental data prior to implementing mining activities in the area. The biodiversity information collected in the initial stages of this project provided essential information, which enabled managers to make critical environmental management decisions.



MAPPING OCEAN WEALTH PROJECT

Hatfield collaborates with scientists from Bogor Agricultural University in support of The Nature Conservancy-Indonesia's Mapping Ocean Wealth project to identify pelagic habitat features that may affect spatial patterns in tuna distribution and productivity. Management recommendations will be provided towards an ecosystem-based approach to tuna fisheries management in compliance with Indonesian and international conventions.

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WHY HATFIELD CONSULTANTS?

Established in 1974 and based in Vancouver, Canada, Hatfield Consultants has built a worldwide reputation in environmental services with over 4,000 projects in Canada, Asia, Africa, South America and Europe. With company offices in Canada, Indonesia, Laos and Botswana, as well as business partners in Chile and Thailand, we are well positioned to respond to your individual project needs and requirements – wherever you are.

We help you apply best environmental practices and contribute to a sustainable future.