



**Hatfield**  
CONSULTANTS

Environmental Specialist Since 1974

# MINING

**INDUSTRY** *Hatfield helps you implement environmental solutions from initial baseline assessments to post-operation restoration*

**WE PROVIDE MINING CLIENTS AROUND THE WORLD WITH INTERNATIONAL QUALITY ENVIRONMENTAL SERVICES, INCLUDING:**

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Baseline environmental inventories and monitoring studies

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Environmental impact assessment (EIA)

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Environmental effects monitoring (EEM)

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Socio-economic impact assessment studies

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Remote-sensing and mapping services

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Customized GIS and database application development

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Liaison with regulatory agencies and permitting support

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Site remediation, decommissioning and restoration

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*We devise innovative and practical solutions that help our clients meet regulatory and management requirements for mine development, operation and decommissioning. We are dedicated to excellence in the delivery of environmental services and have a solid record of providing world-class consulting services to the mining industry.*

## FEATURED PROJECTS



### ENHANCED MINE MANAGEMENT THROUGH GIS

Banpu Public Company Ltd. (Banpu) is a leading Southeast Asian energy company with coal mining operations in Indonesia, China, and Thailand. In support of operational mine management and commitments to environmentally responsible development, Hatfield worked with Banpu to design and implement a corporate geographic information system. We used GIS to enhance standard operating procedures and improve Banpu's business process at its Indominco Mandiri mine.



### ENVIRONMENTAL BASELINE STUDY OF MINING OPERATIONS IN INDONESIA

Hatfield Indonesia was contracted by PT Inco to conduct an environmental baseline survey of potentially affected ecosystems from its expanded operations at mining concessions in Sulawesi, Indonesia. Our environmental baseline study established the environmental boundary of the development and identified environmental components requiring further investigation.



### ENVIRONMENTAL EFFECTS MONITORING (EEM)

Canada's EEM program for metal mines was developed to assess the adequacy of effluent regulations under the Federal Fisheries Act. Hatfield works with clients to investigate and remediate possible effects of mining effluents on fish, fish habitat, and use of fisheries resources and examine the sublethal toxicity of process effluents.

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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 1,600 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.*