



ENVIRONMENTAL ADVICE AND STUDIES

Minimising risk and clean-up costs by engaging specialist environmental advice throughout project design, construction, implementation and closure benefits all project stakeholders.

We collect and analyse data to provide you with practical advice on managing and monitoring all environmental aspects of your project.

Our services include baseline surveys (flora, fauna and biodiversity); erosion, sedimentation and stormwater plans; monitoring and interpretation of water quality; and planning and design of site rehabilitation and restoration.

We provide advice on potential interactions between environmental and social factors such as impacts on downstream water users and communities in transport corridors, and assess the cumulative impacts of multiple factors over time.

SSG Contact details

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Copper-rich catch dam

Sustainable Solutions Global will help you:

- ⊗ **Meet regulatory and legal obligations** by fulfilling government and lender assessment criteria.
- ⊗ **Ensure positive environmental performance** through comprehensive assessment of your project environment and development of effective environmental management solutions.
- ⊗ **Enhance your project reputation** by establishing pro-active environmental and biodiversity management strategies and demonstrating a commitment to minimise environmental impacts.
- ⊗ **Establish strategic and practical environmental solutions** that improve your project's environmental compliance and minimise risk.
- ⊗ **Minimise environmental project risks** through collection of strategic environmental data and scientific assessment of the project environment in order to develop actions and strategies to address potential risks.
- ⊗ **Minimise negative environmental project impacts** by allowing for a timely and inclusive assessment of both environmental and social impacts of a project, and the design of environmental solutions and mitigation strategies to guide project construction, implementation and closure.
- ⊗ **Maximise positive environmental outcomes** through early integration of biodiversity management into land use planning.

The SSG Approach

Sustainable Solutions Global provides strategic advice and independent social, environmental and management expertise for the mining, oil and gas, energy, transport and agricultural industries.

We strive to maximise the social, environmental, and economic benefits of a project while minimising risks. We recognise that a solution will only endure if concerns and opportunities are balanced across all project stakeholders.

Specialist Advice

We provide our clients with access to industry-leading technical and scientific expertise through our in-house capabilities and collaboration with specialist sub-consultants.

Integrated studies and solutions

Experience in a range of environmental (flora, fauna, biodiversity, water quality, erosion and sedimentation control, land restoration and rehabilitation) and social areas enables our team to consider linkages and relationships between different ecological, environmental and social aspects, allowing us to develop comprehensive and integrated strategies that minimise and mitigate environmental and social impacts, including cumulative impacts.

Comprehensive Service

We offer a complete solution for all the environmental guidance needs of a project, from initial scoping and baseline assessments, through project design, impact assessment and planning to environmental mitigation, monitoring, compliance reporting and closure planning.



Community water use Lao PDR
Source PBM



Environmental field work



Ethnobotanical survey, Australia



Potential for bush food industry, Australia

NOTABLE PROJECTS

Sepon Gold & Copper mine, Lao PDR

From 2005 to 2013, SSG was responsible for project-managing the ESIA's for all mine expansion projects including: a new tailing dam, power line, processing plant, staff accommodation, expansion of the gold oxide and copper pits and associated infrastructure.

These assessment studies involved collecting baseline data for both environmental and social impacts and the development of impact mitigation and management strategies in collaboration with project personnel.

Environmental Impact Assessments

We have provided Environmental Impact Assessments and environmental advice for:

- ❖ Wirralie Gold Mines, Australia
- ❖ Argyle Diamond Mines, Australia
- ❖ Kelian Equatorial Mining, Indonesia

Flora Surveys

Geraldine completed a comprehensive survey, documentation and mapping of the flora species and vegetation types found around the silica mining lease at Cape Flattery in Queensland, Australia.

This survey was one of the first wide-scale vegetation delineation exercises to use a combination of aerial images and field benchmarking to delineate specific vegetation boundaries to species-level accuracy. This survey was completed prior to the advent of regional ecosystems mapping.

Ethnobotanical Surveys

SSG has conducted ethnobotanical surveys in Australia, Indonesia and Lao PDR with traditional owners and botanists. Data from these surveys was used to design rehabilitation plans for disturbed land.

Mt Gordon Copper, Mt. Isa, Australia

In 2012, SSG revised and updated the Environmental Management Plan for the Mt Gordon Copper project. This included the review and evaluation of environmental management strategies associated with raising the tailings storage facility.

Rehabilitation Plans

We have designed and implemented land rehabilitation for:

- ❖ Kelian Equatorial Mining, Indonesia
- ❖ Red Dome Gold, Australia
- ❖ Cape Flattery Silica Mines, Australia
- ❖ Gunpowder Copper, Australia
- ❖ Queensland Rail and Queensland Main Roads, Australia

