

METALS

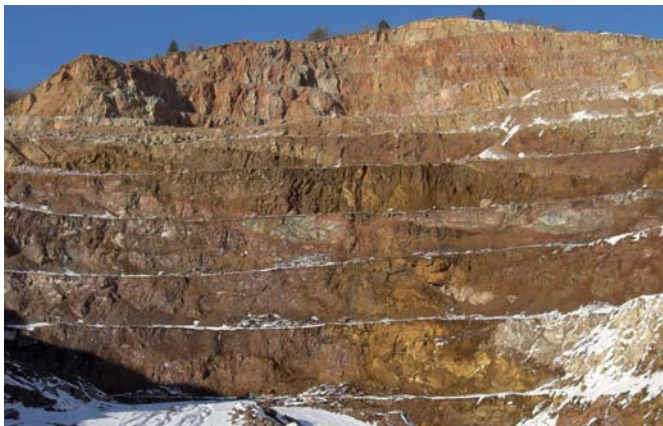
Reference: CS-14

GWP Consultants provides a wide range of international experience in the exploration, evaluation and exploitation of deposits of base and precious metals, iron ore, diamonds and other high value minerals.

Exploration and Evaluation Capabilities:

Area Selection

Country, terrain, and metallogenic belt reviews of geology and mineral potential, data acquisition and the preparation of data packages, mineral occurrence information, selection of exploration areas.



Prospect Evaluation

Geological mapping, surveying, evaluation of mineral resources or showings, independent reviews of prospects, due diligence studies.

Surface Mining

Pit design and optimisation, scheduling, design of ramps, haul roads, waste tips and lagoons, surface and groundwater management, geotechnics, diggability assessments, blast design.



Data Analysis

Management, processing and integration of exploration data. Application of statistical analysis and Geographic Information Systems (GIS) to visualising and interpreting multivariate geochemical data



Ore Body Investigations

Drilling programmes, sampling, geotechnical logging, preparation of plans and sections, geological and ore body modelling, 3D visualisation, reserve estimations.

Selected experience in metals and high value minerals

UK & Ireland

Bula Minerals, Ireland.

Review of effects of pumping from a proposed underground lead-zinc mine.

CDM (Ireland).

Feasibility study for management and remediation of the copper lead zinc Avoca Mining Area, Ireland.

Dresser Minerals, England. Assessment of the surface stability of existing underground mines and reopening for opencast working of backfilled slopes for fluorspar.

International

RTZ, Brazil.

Diggability assessment and design of tailings lagoons at Paragaminos Bauxite Mine.

Lonhro, London.

Preparation of geological data for the Ashanti Gold Mine, Ghana.

Terra Mining, Sweden.

Geological modelling, reserve estimation, and feasibility for an underground extension of the open pit at the Bjorkdal vein gold deposit.

Fairclough Mining, Indonesia.

Field assessment of sampling and investigation methods for a placer gold deposit, Kalimantan.

UK Civil Uranium Procurement Organisation, Malawi.

Geotechnical feasibility study for a new uranium mine in Karoo series sandstones.

Hilton Mine, Quebec.

Footwall stability in a magnetite deposit.

Ashurst and Konkola Copper Mine, Zambia.

Experts report relating to the effects on production rates at an open-pit Copper mine in Zambia following a major failure in the pit wall.

Confidential (Europe)

Due diligence assessment of the viability of recovering Copper by bioleaching waste rock.

Confidential (Europe)

Technical due diligence review and audit of reserve and resource estimations for Nickel and Lignite deposits and determination of compliance with the provision of JORC code.

Bridge Oil, Guinea.

Feasibility study for dredging operations at Fenaria and Wandadou diamond prospects.

Key contacts

For details and to discuss your requirements, please contact one of the following:

Dr. Alan Cobb, Joint Senior Partner and Chief Geotechnical Engineer. Over 30 years' experience in the design of excavated slopes, tips, lagoons and related structures, blasting diggability and materials handling. E-mail: AlanC@gwp.uk.com

Ruth Allington, Joint Senior Partner. Over 25 years' experience in the design of quarries and open pit mines, resource evaluation and financial evaluation of mineral operations and due diligence and feasibility studies. E-mail: RuthA@gwp.uk.com

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