

Quality Assurance and Quality Control Procedures

Xtra-Gold Resources Corp. has implemented the following QA/QC procedures for the Kibi Gold Project.

Yves P. Clement, P.Geo., a registered professional geoscientist in Ontario (APGO) and Vice President, Exploration for Xtra-Gold, is the Company's Qualified Person as defined in National Instrument 43-101 developed by the Canadian Securities Administrators. Xtra-Gold engages the services of SEMS Exploration Services of Accra, Ghana to serve as Independent QP to monitor / audit all aspects of the company's sample collection, analytical procedure, and sample result QA/QC.

The Company has implemented a quality – control program to ensure best practice in the sampling and analysis of Drill Core, Trench Channel, Saw-Cut Channel, and Soil samples.

Drill core is HQ diameter (63.5 mm) in upper oxidized material (regolith) and NQ2 diameter (50.6 mm) in the lower fresh rock portion of the hole. Drill core is saw cut and half the core is sampled in standard intervals; with adjustments where necessary for mineralized structures. The remaining half of core is stored in a secure location at Xtra-Gold's exploration camp in Kwabeng. Trench sampling consists of a continuous channel collected with a geology pick from the saprolite / transition zone (oxidized) material along the bottom sidewall of the trench (minimum 0.2 m above floor). Saw-cut channel samples are collected from bedrock exposures utilizing a diamond-blade power saw. Two parallel grooves are cut to a nominal depth of 5 – 10 cm into the bedrock permitting the chiseling out of a continuous / constant volume of material over the sample interval. Soil samples are collected from 20 cm – 30 cm diameter, hand-dug pits at a nominal depth of 75 cm using the local digging tool called "soso". Borehole collars and trench / saw-cut channel sample strings are surveyed-in with a Total Station theodolite.

Samples are transported in security – sealed bags to the ALS Ghana Limited laboratory located in Kumasi, Ghana; an ISO 9001:2000 certified laboratory operated by ALS Chemex. ALS Chemex is the Minerals Division of ALS Laboratory Group, a global company, which in addition to providing analytical services for mining and exploration companies, operates Environmental, Oil, Food and Pharmaceutical laboratory divisions.

For drill core, trench channel, saw-cut channel and rock grab samples, a 1,000 gram split of the sample is pulverized to better than 85% passing 75 microns, and analyzed by industry standard 50 gram fire assay fusion with atomic absorption spectroscopy finish yielding 0.01 – 100 ppm gold detection limits (1 ppm = 1 gram per tonne or "g/t"). For samples returning values greater than 100 ppm gold, a second pulp is taken and fire assayed with a gravimetric finish. Drill core samples with observed visible gold and/or exhibiting typical Kibi-type granitoid hosted mineralization characterized by liberated, particulate gold grains are pulverized in their entirety to better than 85% passing 75 microns, and analyzed four times by industry standard 50 gram fire assay fusion with atomic absorption spectroscopy finish; with the arithmetic average of the four assays reported. Soil samples are dry-sieved to 180 microns (-80 mesh) and the under-size fraction analyzed by 50 gram Trace Level fire assay fusion with atomic absorption spectroscopy finish yielding 0.005 – 10 ppm gold detection limits.

In addition to quality assurance controls at the laboratory, the company randomly inserts certified reference standards (low to high grade), coarse blanks, and field duplicates into the sample stream at a rate of one each for every 20 drill core / trench channel / saw-cut

channel samples; and at a rate of one each for every 40 soil samples. Validation parameters are established in the database to ensure quality control.

Unless otherwise indicated mineralized drill / trench intercepts represent core-lengths / trench-lengths; true width of mineralization is unknown at this time. Due to irregular bedrock surface the reported saw-cut channel intercepts are sample intersection lengths irrespective of mineralization topography and may not represent true width of mineralization. Individual sample results are length weighted to yield average composite interval grades as reported. Intercepts are constrained with a 0.25 g/t gold minimum cut-off grade at the top and bottom of the intercept, with no upper cut-off grade applied, and a maximum of five (5) consecutive metres of internal dilution (less than 0.25 g/t gold). All internal intervals yielding above 15 g/t gold are indicated within the intersection.

Xtra-Gold utilizes the CAE Mining geological data management system for the collection, reporting and management of its geological data. The integrated software system allows the company to manage all drill hole, surface sampling, and Quality Control data from one location including managing reporting, analysis, and exporting data to GIS or modeling packages.

Fusion Server: Fusion Server provides for one central location for the administration and storage of all data (drill hole / trench, samples, QA-QC, etc.) in one central database.

DHLogger: Complete drill hole / trench / saw-cut channel data capture and management with embedded QC (Quality Control) Management. Fully customizable interface for all types of geological data collection and management including geological, geochemical, and geotechnical.

Sample Station: Complete surface sample data capture and management with integrated QC. Stores all data for rock grab, soil, and stream samples. All data is validated on input and all sample data is stored and can be reported on and used in Mine Modeling and GIS systems.

QueryBuilder: A querying tool to extract data from the Fusion Database. Includes querying, graphing and reporting capabilities. The QC Charting Wizards plots for Standards, Duplicates, Lab Checks, Thompson Howarth, etc are quickly generated with the push of a button.

Lab import: Lab Import permits direct import of sample results from a commercial laboratory. Lab import checks the contents of the file for errors, validates sample numbers and directly imports samples, field QC and lab QC into the database. Lab import automatically performs QC checks and presents a control chart showing the QC for that analytical batch.