



KEYSTONE-JUMBO PROJECT

QUALITY ASSURANCE AND QUALITY CONTROL – QA/QC

All technical information for the Keystone-Jumbo project is obtained and reported under a formal quality assurance and quality control (QA/QC) program. The procedure for sample collection, processing and analyzing is as follows:

Sample Collection

Geochemical Soil Samples

Soil samples for gold and associated tracer elements were taken in a grid pattern of ~100m x 100m except along a structurally prospective corridor where grid spacing was reduced to ~50m x 50m. Samples were not taken from disturbed ground, including existing roadways, dumps or dry creek beds. In the case of a planned sample station falling in one of these areas, the sample location was moved at least 2m uphill away from any disturbance. Actual sample locations were recorded as waypoints using a handheld GPS unit with an accuracy of ± 3 m.

All individual samples were taken from a depth of at least 15cm below the ground surface or the bottom of any extant "O" soil horizon up to a maximum of 40cm below the surface. Overburden was set aside to reclaim the sample pits. The samples were sieved in the field during collection using a stack of two certified test sieves. Plus 2mm material was kept as the "A" split. Minus 2mm to +80mesh material was kept as the "B" split. Minus 80mesh material was kept as the "C" split. Soil was collected and sieved until the "C" sample reached a weight of 1-2kg. All samples were collected in spun polypropylene sample bags. One out of every 12 sample stations is a randomly located field duplicate. At these locations, two sets of "A", "B", and "C" samples were taken from the same sample pit and labelled with consecutive sample numbers. Each time the sieve stack was emptied, the respective fraction was split evenly between the routine and duplicate sample to avoid any depth bias between the two. A minority of the Phase III samples were collected as bulk samples and sieved using the same stack on a mechanical shaker at the Goldwedge mill due to ground moisture at the time of collection. The same sample classification and retention procedure was used.

Sample Preparation and Security

Samples were removed from the field each day and stored in a locked outbuilding at the Goldwedge facility. Periodically, a group of "B" and "C" samples were taken by a Scorpio Gold employee directly to the Bureau Veritas (BV) lab in Reno, NV. Upon receipt, the assay lab logs in the samples. This sample list is checked against the submittal and discrepancies, if any, are noted. Unsubmitted "A" samples are stored at the Goldwedge facility for future use.

Each sample shipment was accompanied by both blanks and certified reference materials (CRMs) at a density of one blank and one CRM for every 10 field samples. The blanks used are in-house blanks prepared from the same material used during Scorpio drill programs at the Mineral Ridge property. Two CRMs, OREAS 45d and OREAS 25a, were used alternately as both a high-grade and a low-grade standard certified for Au, Ag, As, Hg and a number of other elements of interest. All of the QA/QC samples were inserted blind, with any identifying differences between the QA/QC samples and the routine samples obliterated as thoroughly as possible.

Upon arrival at the lab, the “B” and blank QA/QC samples were pulverized to at least -80mesh and riffle split to 100g aliquots for analysis. The “C” and CRM samples were already fine enough for the analytical method and so were only riffle split into 100g aliquots for analysis. The analytical splits were then sent to the BV Vancouver lab for analysis while the reject material was retained at the Reno facility

Sample Analysis

Both the “B” and “C” sample aliquots were analyzed using BV’s AQ254 protocol. A 100g sample was leached using concentrated aqua regia and the resulting liquor diluted and analyzed for a suite of elements using an ICP-MS instrument. Detection limits for selected elements of interest are listed in the table below.

Element	Lower Detection Limit (ppb)	Upper Limit (ppb except where noted)
Ag	2	100,000
Au	0.2	100,000
As	100	1%
Cu	10	1%
Hg	5	50,000
Pb	10	1%
Sb	20	0.2%
Tl	20	0.1%

Bureau Veritas Vancouver and Bureau Veritas Reno are ISO 9001 certified testing laboratories and operate in compliance with ISO/IEC 17025:2005 standards. Each facility incorporates its own in-house quality management and control systems to ensure reliability, accuracy and consistency of its analytical results. Scorpio Gold geologists also evaluated the analyses returned for the blind QA/QC samples to validate the efficacy of the lab’s handling and analysis of the soil samples.