SOIL SAMPLING

YOUR FIRST STEP IN A SUCCESSFUL EXPLORATION PROGRAM

Systematic, multi-scale ‘C horizon’ soil sampling has proven an effective primary tool for deposit discovery in the Yukon. Significant modern discoveries such as Kinross’ Golden Saddle, Kaminak’s Coffee Deposit and Comstock’s QV discovery have all been delineated on Soil Anomalies collected by the GroundTruth team.

Our consistent track record has been earned through attention to detail at all levels of the survey: It starts with good training and is sustained by competent and motivated staff.

We offer any scale of soil sample survey from broad, target generating Ridge and Spur surveys to tightly spaced, high-detail Grid sampling.

GT Experience:
Since 2010, GroundTruth has collected 320,000 soil samples (>10,000 field man days) in the Yukon. Our foremen and crews possess unmatched experience in ensuring surveys of any size are conducted with maximum quality and efficiency.

GT Quality Data:
Our sample collection procedure is 100% standardized, ensuring consistent data. Sample recording is done digitally in the field, with handhelds on custom forms equipped with barcode scanners. Data is downloaded and monitored by foreman on a nightly basis. Remote camps are equipped with internet to relay data on a daily basis.

GT Efficiency:
We place great effort on preplanning our surveys to maximize efficiency. We camp onsite when possible, a 5 person camp can be slung onsite in one astar sling load + 1 internal. Our traverse length is standardized, making our production and cost extremely predictable.
Soil Sampling

Ridge and Spur/Contour Soil Sampling:
• Surveys designed to identify regional targets
• Ideal for a first pass on under-explored regions
• Target sample density is 20 samples/km²
• Typical spacing is 50m to 100m along the traverse

Grid Sampling
• Surveys are designed to outline the surface extent of deposits
• An excellent tool to define not only ore body dimensions, but lithology and alteration of underlying bedrock
• Typical grids are 50m sample x 100m line spacing for Au targets
• Sample density on 50x100m grid soil program is 200 samples/km²
• Grids can be customized by the client to any line and sample spacing

Data Collection
Sample Collection protocol is fully standardized and monitored to provide a consistent product: Sample-to-Sample, Year-to-Year.

Samples are monitored from field to lab via barcode IDs

Sample database is reviewed and backed up daily

All samples include:
• Detailed description of the sample and the sample site.
• Geotagged Photos of the sample and the sample site
• GPS position of every sample
• Assurance of highest quality sample possible

Data Deliverables
• Sample Location/Description database (.csv) and summary
• QAQC samples database: field duplicates, reference samples (.csv)
• Database of Georeferenced photos, hyperlink points for GIS. (.csv)
• Map of Plotted Sample Locations