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Open File 2006-13

Report on 2002 Geochemical Procedures used during Mineral Resource Assessments

R. Hulstein, J. vanRanden, R. Stroshein and F. Andersen





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Preface

This report summarizes the methodology used for the analysis of rock, soil and silt samples collected during detailed mineral assessments of several proposed special management areas. These assessments were carried out in 2002 by the Department of Energy, Mines and Resources of the Government of Yukon (YTG).

This report documents the procedures used for analysis of the 2002 mineral assessment lithogeochemical samples, and includes a description of quality control sampling. This analytical methodology was used during the following detailed mineral assessments, which are being released concurrently as Yukon Geological Survey open file reports.

- Report on the Detailed Mineral Assessment of the Proposed Kusawa Natural Environment Park Special Management Area, Yukon Open File 2006-7
- Report on the Detailed Mineral Assessment of the Proposed Snafu/Tarfu Natural Environment Park Special Management Area, Yukon Open File 2006-8
- Report on the Detailed Mineral Assessment of the Proposed Lewes Marsh/McClintock Bay and Tagish River Special Management Areas, Yukon -Open File 2006-9
- Report on the Detailed Mineral Assessment of the Proposed Pickhandle Lakes Special Management Area, Yukon - Open File 2006-10
- Report on the Detailed Mineral Assessment of the Proposed Wellesley Lake Special Management Area, Yukon Open File 2006-11
- Report on the Detailed Mineral Assessment of the Proposed Scottie Creek Special Management Area, Yukon Open File 2006-12

The information is being released as originally prepared and may not conform to current Yukon Geological Survey publication standards. Please note that the report does not include information from any studies that may have been carried out since the 2002 mineral assessments were conducted. This report was not previously released to the public due to the confidential nature of the Land Claim negotiation processes.

Report on

2002 Geochemical Procedures used during Mineral Resource Assessments

March 11, 2003

Internal Report

Roger W. Hulstein Jo-Anne vanRanden Robert W. Stroshein Farrell J. Andersen

YTG, Energy Mines and Resources Mineral Planning and Development

Energy Mines and Resources, Yukon Geology Program 2002 Mineral Assessment

Geochemical Analysis

Laboratory Procedures

Northern Analytical Laboratories Ltd., of Whitehorse, secured the 2002 contract to supply geochemical analysis to the Mineral Assessment branch of the Yukon Geology Program. Northern Analytical Laboratories Ltd. in turn subcontracted Analytical Laboratories Limited, of Vancouver, B.C. to carry out the geochemical determinations. All samples; rock, soil and steam sediment were submitted to Northern Analytical Laboratories Ltd. for sample preparation and then shipped to Acme Analytical Laboratories Limited for analysis by ICP-MS.

The attached sheets supplied by Acme Analytical Laboratories Limited and Northern Analytical Laboratories Ltd. summarizes the analytical methodology and sample preparation procedures respectively. Also shown are the elements analyzed for and their detection limits. Gold analysis was ideally done on 30gm pulps but where there was insufficient material Au analysis was done on a 15gm, 7.5gm or 5gm sample (as applicable). Analytical results were sent to the Yukon Geology Program in both digital and paper form. The digital results were merged with the digital sample location data and converted from MS Excel file to an MS Access database.

Quality Control

In addition to Acme Analytical Laboratories Limited's internal sample standards and duplicates Yukon Geology Program - Mineral Assessments inserted standards prepared by CANMET (Natural Resources Canada) and locally collected material as sample checks. The local material consisted of marble rock (used a blank) and mineralized copper-magnetite skarn used with rock sample submissions. Local material consisting of unlithified silt ('clay cliff') and tailings from the Whitehorse copper mine (milled copper-magnetite skarn rock) were inserted with the soil and stream sediment samples. Duplicates of the soil samples and occasionally the stream sediment samples were collected in the field or a sample was split later and inserted with the same number with a 'B' appended to the sample number denoting a duplicate. The result is that analysis were carried out on duplicate samples approximately every 20-25 samples. Check samples and standards inserted into the sample stream can be determined by the letters appended to the sample number as, where xxx is the sample number:

XXXa = Whitehorse 'clay cliff' check

XXXb = duplicate sample split

XXXc = Whitehorse copper mine tailings check

XXXd = marble rock, blank (collected at the Grafter occurrence)

XXXe = magnetite copper skarn rock (collected from Best Chance occurrence)

XXXf = Canmet standard STSD-3 (derived from stream sediment samples)

2002 Mineral Assessment – Geochemistry Procedures

In addition Acme Analytical Laboratories Limited carried out their in house internal duplicate checks as; reXXX (re-assay of sample XXX) and inserted their own standard, standard DS4.

Rock Sample Quality Control Results

Marble Blanks

Results from 14 marble blanks show that values are mostly uniform and the variation could be due to the marble rock which had visible impurities (trace sulfides?) once it was crushed and homogenized (using cone on cone method). Variations are restricted to only a few (or one) element per sample. The highest gold value coincides with a high As and Pb value (sample 176535D). For almost all the samples and all elements the samples returned low ('blank') values. The variation in analytical results could be due to contamination or lack of analytical precision.

Magnetite Copper Skarn

Results from the 15 magnetite copper skarn samples show highly variable results for most elements. Following crushing, the sample was homogenized (cone on cone method) but homogeneity was not achieved. The samples do show that anomalous values were determined but precision and accuracy are very questionable due to the variably mineralized material. This results in a very high percent relative standard deviation and shown graphically by univariante scatterplots for 6 selected elements.

Acme Analytical Laboratories Limited – Duplicate Analysis

Most elements for all the splits correlated very closely (visually <10% difference).

Acme Analytical Laboratories Limited – In-house Standard DS4)

The 12 standards analyzed with the rock samples returned very consistent values, so consistent that descriptive statistics were not calculated.

Soil and Stream Sediment Quality Control Results

Over all the analytical results are acceptable although questions about the accuracy and precision of the data are raised by variations in the Canmet standards. The check samples of Whitehorse copper tailings and Whitehorse clay cliff material served their purpose and returned anomalous and low values respectively.

Canmet Standard STSD-4

Results for the Cannmet standards show an acceptable range of values. The univariate scattergrams for Au, Cu, Zn, Pb, Ni and As illustrate that it is the occasional and random (not restricted to one sample or sample batch) 'flyer' that results in the higher percent relative standard deviation values (values >10%). Results for Au analysis are disturbing as two samples returned values that could be considered anomalous at 18ppb and 29ppb. Analysis of the standard only tests the analytical techniques for accuracy and

precision as the standard is received in a pulped form (<-200 mesh, -74um) it is not prepared (dried, sieved or split). The percent relative standard deviation was calculated for Au, Cu, As, Zn, Pb, Ni, and As. Values were below <10% for Z, Pb, Ni (acceptable) and <16% As and Cu (marginally acceptable) and a high 128% for Au due to the two high values mentioned above.

Whitehorse Copper Mine Tailings

A total of 20 copper mine tailing samples were inserted into the sample stream with two purposes in mind; one was to confirm that obviously anomalous samples (for Cu, Au, Ag, Bi) were being detected and secondly, to test for analytical precision and accuracy. As the samples were prepared at Northern Analytical they also test the preparation procedures. All the samples returned anomalous values for the above elements although the variation for Au exceeded the preferred 10% maximum (at 32%) for the percent relative standard deviation. Other elements where the percent relative standard deviation deviation was calculated (Cu, Ag, As, Pb, Zn, Mo, Bi) returned a close to or less than a 10% percent relative standard deviation.

Whitehorse Clay Cliff Silt

A total of 25 clay cliff silt samples were inserted into the sample stream for two purposes; one was to ensure that material considered to have background values did indeed return background values and to test for analytical precision and accuracy. As the samples were prepared at Northern Analytical they also test the preparation procedures. All the samples exceeded the preferred 10% maximum for the percent relative standard deviation for Au (31%), Cu 11%, Pb (38%), Zn (13%), As (26%) and Ni (12%). The variations in the gold values are quite acceptable as the highest value was 4.7ppb. Most of the variation in the other samples is due to two samples that yielded inconsistent values. Variation in the 'clay cliff' material is expected and is likely responsible for the variation. Laboratory error is not suspected as other check samples and standards from the same batches did not produce similar errors.

EMR Duplicate Check Samples

A total of 29 duplicate pairs were submitted to check for reproducibility – accuracy. A visual scan reveals a close approximation. All of the seven elements (Au, Cu, As, Ni, Pb, Zn and U) display a linear trend on scatterplots. The only errant value was for gold in one stream sediment (silt) sample pair. This is not unexpected given gold's nugget effect.

Acme Analytical Laboratories Limited – In-house duplicate pairs

Acme Analytical analyzed 20 duplicate pairs. The scatter plot results are as close for Cu and Pb as for the duplicate pairs submitted by EMR. Gold values were less than 7.4ppb so significant variation for anomalous samples can't be determined. Interestingly, the Acme duplicates included 5 duplicate pairs of clay cliff material, presumably because there was abundant sample to split, but no Whitehorse copper tailing samples.

Acme Analytical Laboratories Limited – In-house Standard DS4)

The 27 standards analyzed with the stream sediment and soil samples returned very consistent values, so consistent that descriptive statistics were not calculated.

Statistical Analysis Procedures used in 2002

Following computer listing of the data, statistical parameters such as arithmetic mean, median and mode, standard deviation and sample variance were calculated using MS Excel. Histograms of selected elements from data subsets were generated by MS Excel for specific projects to aid in establishing five ranges for the results, ideally; background, slightly above background, weakly anomalous, moderately anomalous and anomalous.

The stream sediment data procured from the Geological Survey of Canada's, 'Regional Stream Sediment and Water Geochemical Data', open files were also statistically analyzed in a similar manner using MS Excel. Histograms and calculated thresholds for project areas, where applicable, are attached.

Where Histograms and statistical were not used in generating geochemical plots, ESRI Arview 3.2a was used utilizing natural breaks in the data. Occasionally where there was a large number of values below, at or near the detection limit, or obviously anomalous samples were observed, threshold were adjusted visually, either in Arcview 3.2a or from a MS Excel histogram that was not printed.

2002 Fieldwork, Mineral Assessments GPS Waypoint and Geochemical Sample Data Handling Protocol

June 18, 2002 RWH

GPS data

- Create folder with project name in L:\fieldwork\2002fieldwork\GPS coord.
 Dump GPS waypoints in new file, named with GPS owners' initials and date (XX June18), and place in project folder.
- 2 Open new file in excel, make columns and clean up data; delete extraneous points and place columns in following order: Ident Easting Northing Date. Save as excel file.
- 3 On L:\fieldwork\2002fieldwork\GPS coord\ open: All_dnload_gps_pts.xls, copy from new GPS file data to be added and add appropriate data to complete columns.

Sample data

- 4 Open sample_data.xls in L:\fieldwork\2002fieldwork and copy GPS data with sample numbers over to GPS_all_samples sheet. Fix any problems or add any missing samples to this table.
- 5 Copy GPS data to appropriate sample description sheet (ie. rock_descriptions).
- 6 Add sample descriptions, notes etc. in sample description file after sample number and GPS data is appended.
- 7 Other waypoint stations (geology etc.) are copied from All_dnload_gps_pts.xls to Other Stations sheet and notes etc. added if required.
- 8 Geochemical data from the lab is added to the geochemical sheet and is merged with the sample descriptions in the merged sample sheet appropriate to each sample type. Sample location data with descriptions are merged with the geochemical data in MS Access.
- 9 The merged samples are used in GIS program of choice
- 10 Problems or questions? See your friendly data guy.

SAMPLE PREPARATION

1

B - IV. ROCKS & DRILL CORE

Review the information under the headings of "Notice" and "Safety" at the beginning of this "Sample Preparation" section of the manual!!

Ensure that the equipment is properly adjusted and lubricated as per the equipment maintenance instructions at the end of this sub-section.

1. Set out the samples on a mobile workbench, making sure they are all present in their proper order and the matching pulp bags are in the exact same order. Locate the workbench near the jaw crusher where the samples can be reached conveniently. However, if there are samples in open containers, make sure they are not located where they could be susceptible to contamination by stray rock chips that may be ejected from the crushers.

2. Ensure that you are wearing the required safety equipment. Ensure that the jaw crusher, cone crusher and riffle splitter and its 3 pans are thoroughly clean.

Start the dust extractor. Start the jaw crusher and run the first sample through it. The best procedure for feeding the sample into the crusher depends on the nature of the sample and you will develop a feel for this with experience. Generally, large samples consisting of relatively small fragments can be poured directly from the sample bag into the crusher, maintaining enough material on top of the jaws to prevent pieces from spitting out. Individual, hard rocks will require quickly covering the opening with a block of wood or a pan to prevent material from ejecting. Some rocks may not crush until they are forced down into the jaws with the block of wood. Large rocks will have to be broken with a sledgehammer before they will go into the jaws.

Try to avoid spilling any sample as you feed it into the crusher. With large samples, be careful that the pan collecting the crushed material does not overflow; frequently shaking the pan to level the contents will help.

3. Brush any loose chips from the crusher (particularly the pan channel) into the pan. Remove the pan and pour the sample into the hopper of the empty, clean cone crusher. Move the empty sample bag along the crushing line, next to the cone crusher to track the sample.

Thoroughly blow the jaw crusher and its pan clean with compressed air. Make sure no sample material remains in hidden nooks and crannies. If sample remains stuck to the jaws it must be brushed away or cleaned by crushing some barren rock and then cleaning with compressed air again. Replace the pan in its slot under the crusher. 4. After the sample has passed through the cone crusher, blow the head of this crusher clean with compressed air. Open the side flap and blow clean the inside of the crusher, paying particular attention to the peak of the slides at the centre of the machine, where material tends to accumulate.

Remove the receiving pan, shake to level the crushed rock in the pan and pour it into the splitter (with empty pans in place on each side). Be careful to hold the pan laterally level so that the sample pours out evenly along the entire width of the slot and through all the vanes of the splitter. Move the sample bag along the line to the splitting hood.

Blow the cone crusher pan clean with compressed air and, after ensuring that the cone crusher is thoroughly blown clean, replace the pan in it. If barren rock was needed to clean the jaw crusher, run it through the cone crusher to clean it too and again blow the unit clean. Be sure to dispose of the cleaning rock so it does not end up in a pulp bag in place of the next sample.

5. Remove one pan from under the splitter and replace it with the third pan. Level the sample in the removed pan and pour it out the wide side into the splitter, again making sure it is distributed evenly into all the vanes. This even distribution of sample through the riffles is critical to obtaining a sample split that is compositionally near identical to the original whole sample. Do not bang the pan against the top of the vanes or they will gradually become burred and splitting efficiency will be lost.

Repeat the splitting process as many times as necessary, resplitting the same side pan until it contains just enough sample to fill the pulp bag about _ full (about 250 grams). Make sure no sample material is stuck in the riffles; sharply rocking and banging the unit will help clear it.

SAMPLE PREPARATION - ROCKS & DRILL CORE

Pour the sample split into the pulp bag without spilling any of it, making sure you have the right pulp bag labelled to match the original sample bag. If there is a sample tag, place it in the pulp bag. Fold over the top of the bag to prevent contaminants from getting into it and place on a cardboard tray. The bags are arranged in order on the tray in 4 rows of 5 samples (20 per full tray), beginning at the front left.

Pour the sample from the other pan (the reject) into the original sample bag; the splitting hood contains a chute to the floor to facilitate this for larger samples. Fold and staple the top of this bag, making sure the sample label remains visible, and place it in a rice sack that has been marked with the work order number and client name.

Blow the splitter and all three pans clean with compressed air and leave set up for the next sample.

NEVER add or remove sample by hand to adjust the size of a split. If it is too large, resplit the split until one pan contains the right amount. If you have riffled it down too small, resplit the reject to make up the requisite amount.

Note that if a sample is small enough that it will be all used for the pulp, it can be dumped directly from the crusher pan into a splitter pan and then transferred to the pulp bag. Place the empty sample bag in the rejects sack so no one searching through the rejects will think the sample is missing.

5. Continue crushing and splitting the remaining samples.

In practice, for efficient production, you will have consecutive samples in different stages of the process simultaneously and one person may be crushing while another splits and bags the samples. This makes it vital to be well organised and methodically consistent to prevent sample mix-ups. Always remember to double check that each piece of equipment is empty and clean just before you dump in a sample and always move each sample bag along the line with its corresponding sample. If there are sample tags, these also must accompany the samples throughout the process (but don't let them go through the crushers) and end up in the pulp bags as a further check.

When a tray of crushed sample splits is full or completes a work order, place it in a drying oven to ensure that the samples will be completely dry for pulverizing.

6. Turn on the dust extractor for the pulverizing station hood. Ensure that you are wearing the required safety equipment, including safety glasses and a dust mask.

Before starting to pulverize a work order, place a handful of cleaning gravel in each of two pulverizing pots containing their rings and puck. Position the lid on one pot and clamp it in place in the pulverizer, ensuring that it clamps securely with the lid centred so that it seals properly. Close the lid of the pulverizer box and press the start button to begin the pulverizing cycle.

When the machine stops at the end of the timed cycle, unclamp the pot and replace it with the other pot. While the pulverizer is cycling with the second pot, carefully dump the contents of the first pot (including rings and puck) onto a sheet of Kraft paper in the dust hood. Blow the bowl, rings, puck and lid clean with compressed air. Discard the pulverized cleaning gravel in the garbage and blow the sheet of paper clean.

Reassemble the rings and puck in the bowl and dump in the first crushed sample split to be pulverized, distributing it fairly evenly. Continue as above, always having one pot pulverizing while you clean out the other.

With the samples, be careful to minimize sample loss as light components will blow away more readily, changing sample composition. Pour the pulverized sample from the sheet of paper back into the correct pulp bag, replace the sample tag if there is one, fold the top and place it back on the cardboard tray. Blow the sheet of paper clean with compressed air.

Always pulverize the samples in order to facilitate keeping track so you do not put any pulps in the wrong bags.

It is important that the samples be pulverized to the consistency of flour. You should feel no grittiness when you rub some pulp between your thumb and a finger. For average samples, the standard pulverizing time of 80 seconds should be satisfactory. Very hard minerals require longer. If a pulverized sample remains gritty, pulverize it for part of another cycle until it is fine enough; this is a process of trial and error. The timer can be reset for a series of similar samples that require a non-standard pulverizing time.

Soft samples require reduced pulverizing time or they will cake and stick inside the pot. Sticking may still occur even with appropriately less pulverizing. Note that samples will stick if they are not perfectly dry so make sure this is not the problem. Adding a few drops of acetone or ethanol to the crushed sample in the pot just before pulverizing may reduce sticking of hygroscopic samples which always retain some moisture.

Brushing may help remove slightly stuck material. Otherwise, if the bowl, rings and puck do not blow clean they must be cleaned by pulverizing a load of cleaning gravel, the same as at the start of a work order.

2

Also use cleaning gravel after any sample that has been noted as "high grade" or any sample that has obvious mineralization, especially if the next sample to be pulverized in the same pot is not mineralized.

The friction of pulverizing will heat up the pots until eventually they are too hot to handle comfortably. Switch to another set of cleaned pots when that happens. Samples requiring critical analysis for mercury, arsenic or tellurium may be flagged to be pulverized only in cool pots because there could be significant losses of these elements in hot pots.

Samples that are very high in sulphide minerals also require cool pots and minimum pulverizing time or they may ignite. DANGER! Do not let such samples start a fire. Avoid breathing the toxic fumes, which smell like rotten eggs. Burning may not be apparent immediately, as oxidation begins slowly and accelerates, so after pulverizing sulphide-rich samples monitor the bags of pulp for increasing temperature and the smell. Sealing an oxidizing sample in a pulverizer pot may stop the process. However, the composition of the sample will have changed so a new split must be riffled from the crushed reject. Be very careful pulverizing the new split to avoid igniting it too; a series of very brief pulverizing cycles may be necessary. If there is no reject for a new split, notify the senior chemist. He may authorize analysis of an oxidized sample if it is quenched before the pulp shows any lightening of colour, but this must be noted to the client.

7. Occasionally, you may be instructed to "roll" pulps. This is done to ensure that the pulps are homogeneous, without stratification of light and heavy components.

Roll a sample when it is on the Kraft paper after emptying it from the pulverizer pot. Grasp one corner of the paper and pull it gently towards the opposite corner, keeping it low over the surface so that the pulp rolls rather than slides. Before sample spills off the sides of the sheet, return the lifted corner to flat, then roll the sample from the opposite corner but stop when the pulp is centred on the paper. Next, grasp an adjacent corner and repeat the rolling process along the other diagonal. Repeat at least five times in each direction before pouring the pulp into its bag.

8. When preparation of a tray of samples has been completed, take it into the lab. Place the trays in order on the "in" shelves or at a work station where you have been instructed to take them.

When the last tray of a work order is brought into the lab, write the date in the log book by the "X" under . "Sample Prep" on the line for that work order. Make sure the work order copy and the Sample Sorting and Preparation form are brought in with the last tray.

9. Equipment Maintenance:

Jaw Crusher: The adjustment of the crusher should be checked before each use. The drive belts should be snug with minimal free play but should not be strung tight. Also check that they are in good condition, free of cracks. The jaws should have a maximum ½ inch gap at the widest opening and the moveable jaw should just contact the stationary plate at maximum closure. If adjustment is needed, it should be done by someone who is familiar with the procedure. Whenever adjustments are made, it should be ensured that the tension spring is adjusted for a gap of ______ inch between the coils at maximum compression; if it is too tight the crusher may be damaged by the excessive force, but too little tension will result in inadequate crushing of hard rocks. The crusher must be greased using a grease gun at the three nipples about every two hours of use or whenever there is an apparent increase in noise or heat in the bearing area. Inject grease until it starts to ooze out between the parts, then wipe off the excess so it will not fall into any samples. Failure to inject grease when necessary will result in the bearing being destroyed.

Cone Crusher: Before each use, check the condition and tension of the drive belts. Verify that the machine runs smoothly and quietly when it is not crushing and that the head is not spinning violently and moves freely. If this does not appear to be in order, notify the general manager immediately and do not use the machine as a seized head bearing can lead to much more extensive damage. Ejection of rock chips from the head is another sign of a seized bearing. The crusher should produce a crush of at least 60% minus 10 mesh and a supervisory employee should verify this regularly, at least daily during full production, using cleaning rock for consistency. Run about a kilogram of the rock through the jaw crusher and the cone crusher, sieve it through a 10 mesh screen and weigh the plus and minus fractions. When the crusher needs to be adjusted, this is done by loosening the bolts securing the top plate and rotating the plate, which is threaded. Retighten the bolts and recheck the fineness of crush, repeating the procedure until 60% minus 10 mesh is achieved. Do not tighten the gap more than necessary or the crusher will be more susceptible to failure.

SAMPLE PREPARATION - ROCKS & DRILL CORE

Pulverizer: The only routine maintenance required for the pulverizer is oiling of the joints in the clamping mechanism, daily during full production. Wear eventually will necessitate shimming to keep the mechanism clamping the pots tightly. The O-rings of the pot lids should be monitored closely and replaced if there is visible damage or evidence that any powdered sample is leaking during pulverizing. The components of the pots gradually will wear to the point that they no longer pulverize efficiently and have to be retired. Wear will be obvious as reduced size of the rings and puck and slight concave curvature of the bottom of the bowl and the lid. Pulverizing efficiency for each pot should be checked periodically by pulverizing 250 grams of cleaning gravel for the standard 80 seconds and sieving it thoroughly through a 100 mesh screen. The product should be at least 98% minus 100 mesh. A supervisor also should routinely spot check each employee's pulverizing by screening random pulps to verify they meet the specification of 98% minus 100 mesh, and should check pulps in every tray using the feel test for grittiness. Senior employees performing sample prep without direct supervision must do these tests on their own work.

Dust Collector System:

B - V. REVERSE DRILL CUTTINGS

Generally, these samples are treated the same as rocks and drill core, except they usually do not require jaw crushing. Cone crushing must be done unless they contain no fragments larger than 10 mesh. Drill cutting samples usually are large and most are received wet. You may be given special instructions regarding the recording of wet samples and overweight.

Review the section titled "Rocks & Drill Core".

B - VI. SOILS & SEDIMENTS

1. Set out the dried samples in order by the work location, which preferably should be in a dust hood. Have the corresponding pulp bags at hand in the same order.

Obtain a sheet of Kraft paper and a sieve of the required mesh size, which normally is 80 mesh unless otherwise specified. Inspect the screen to make sure it is in good condition with no tears, distortion or separation at the edge.

Ensure that you are wearing safety glasses and a dust mask.

2. Starting with the first sample, if it has dried into a hardened mass, pound it with a rubber mallet to break up the material, being careful to try to avoid rupturing the sample bag.

Empty the sample into the sieve, which should be sitting on the sheet of paper. Agitate the sieve in a side to side motion to shake the fine material through the screen. An occasional sharp rap may help clear the holes so the material passes through more efficiently. Agglomerated material should be broken up between the fingers or in a separate container such as a mortar and pestle, but do not break down stones or vegetation. Do not rub sample material against a fine screen as these screens are easily damaged; you can stack a 10 mesh screen on top and rub material through it to help break it up.

Do not let any of the sample escape out the top of the sieve onto the paper. If this happens and you cannot separate and remove 100 percent of the coarser material from the pulp, then the pulp has to be returned into the sieve and rescreened.

Fold the paper and pour the screened sample into its pulp bag.

3. Usually at least 30 grams of pulp is required unless you are told differently. A balance is available to check how much you have obtained. Tare the balance with an empty pulp bag before weighing the pulp.

If you cannot obtain enough pulp, first make sure all agglomerated material has been liberated including particles stuck to stones. If you still need more, then transfer the sample oversize from the 80 mesh sieve into a 40 mesh sieve and screen what will pass through that. Transfer this "-40 mesh" fraction into a separate pulp bag that you have marked with the sample number and "-40". Fold this bag tightly and place it inside the bag of -80 mesh pulp after first inspecting it to make sure it will not leak into the finer pulp.

4. Fold over the top of the pulp bag to prevent contaminants from getting into it and place on a cardboard tray. The bags are arranged in order on the tray in 4 rows of 5 samples (20 per full tray), beginning at the front left.

Dump the oversize material from the screen onto the paper and pour it back into the original sample bag. (If the bag is torn, patch or replace it.) Place the bags of oversize in a plastic sample bag and when this is full or the end of a work order is reached, seal the plastic bag with tape and place it in a rice sack that has been marked with the work order number and client name.

5. After each sample, clean the sieve(s) and the sheet of paper with compressed air. Be careful not to damage fine screens when blowing them clean; never contact the screen with the nozzle.

6. When preparation of a tray of samples has been completed, take it into the lab. Place the trays in order on the "in" shelves or at a work station where you have been instructed to take them.

When the last tray of a work order is brought into the lab, write the date in the log book by the "X" under "Sample Prep" on the line for that work order. Make sure the work order copy and the Sample Sorting and Preparation form are brought in with the last tray.

B - VII. CONCENTRATES

Various types of concentrates may be received and their preparation will vary somewhat depending on type. Generally, they require riffle splitting if they are much larger than 300 grams and most require pulverizing. Review these parts of the section titled "Rocks & Drill Core".

Pan concentrates usually are small. Extra care must be taken to avoid loss of sample, not only because there may be no surplus material to waste but also because light or heavy components of the sample may tend to be lost preferentially and this will alter the analysis. Recover all particles of the sample from the bag or other container in which it was received. For this purpose, a wet sample in a non-porous container can be washed into a beaker using a wash bottle and the sample can be dried in the beaker in a drying oven where it is safe from contamination or on a warm hotplate (being very careful not to overheat it). Pulverize cleaning gravel before and after each sample, even if no visible material sticks in the pots. Be sure the lid seal on the pot will not leak and take care to minimize loss of sample when cleaning out the pot.

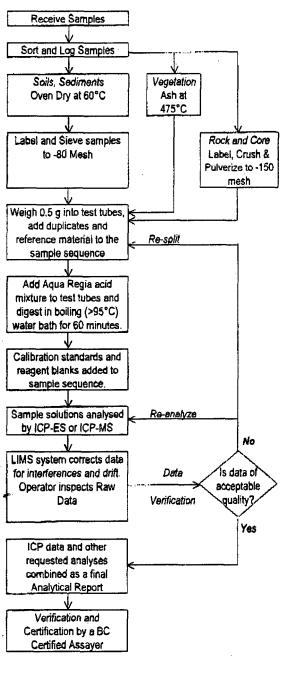
Placer concentrates also must be thoroughly recovered from their sample containers or small, heavy gold particles may easily be left behind, especially in bag seams. Again, it is important to clean the pulverizing pots with cleaning gravel after every sample. The pulps should be rolled to ensure that the gold grains are distributed as homogeneously as possible.

Mine mill concentrates usually are extremely high grade so the greatest concern with these samples is to not contaminate other samples. They should be prepared away from any other samples and care should be taken to avoid raising dust from them. All equipment must be cleaned meticulously afterwards. These samples also require careful adherence to proper preparation procedures because the utmost accuracy of analytical results is demanded. Pulps should be rolled, especially in the case of gold concentrates. OCT-10-2002 THU 03:54 PM ACME ANALYTICAL LAB

A ACME Analytical Laboratories Ltd.

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METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 1D & 1DX - ICP ANALYSIS – AQUA REGIA



Analytical Process

Comments

FAX NO. 6042531716

Sample Preparation

Soil or sediment is dried (60°C) and sieved to -80 mesh (-177 μ m). Vegetation is dried (60°C) and pulverized or ashed (475°C). Moss-mats are dried (60°C), pounded and sieved to yield -80 mesh sediment. Rock and drill core is jaw crushed to 70% passing 10 mesh (2 mm), a 250 g aliquot is riffle split and pulverized to 95% passing 150 mesh (100 μ m) in a mild-steel ring-and-puck mill. Aliquots of 0.5 g are weighed into test tubes. QA/QC protocol includes inserting a duplicate of pulp to measure analytical precision, a coarse (10 mesh) rejects duplicate to measure method precision (drill core samples only), two analytical blanks to measure background and an aliquot of in-house reference material STD DS3 to measure accuracy in each analytical batch of 34 samples.

Sample Digestion

Aqua Regia, a 2:2:2 mixture of ACS grade concentrated HCl, concentrated HNO₃ and de-mineralised H₂O, is added to each sample. Samples are digested for one hour in a hot water bath (>95°C). QA/QC protocol requires simultaneous digestion of two regent blanks randomly inserted in each batch.

Sample Analysis

Group 1D: sample solutions are aspirated into a Jarrel Ash AtomComp 800 or 975 ICP emission spectrograph to determine the following 30 elements: Ag, Al, As, Au, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sr, Th, Ti, U, V, W, Zn.

Group 1DX: sample solutions are aspirated into a Perkin Elmer Elan 6000 iCP mass spectrometer to determine the following 35 elements: Ag, Al, As, Au, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, Hg, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Sc, 7/, Sr, Th, Ti, U, V, W, Zn.

Data Evaluation

Raw and final data undergoes a final verification by a British Columbia Certified Assayer who then signs the Analytical Report before it is released to the client. Chief Assayer is Clarence Leong, other certified assayers are Dean Toye and Jacky Wang.

		Constant Day 1 Constant
Document: Method and Specifications for Group 1D&1DX.doc	Date: April 4, 2002	Prepared By: J Gravel
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ISO 9002 REGISTERED

GEOCHEMICAL – ICP by Aqua Regia Digestion

GROUP 1C MERCURY BY COLD VAPOUR AA OR ICP-MS

Accurate, low level determination of Hg by Aqua Regia digestion followed by either cold vapour AA or ICP-MS analysis.

Element	Method	Detection	Cdn	U.S.
Hg	Cold Vapour AA or ICP-MS	10 ppb	\$4.40	\$3.30
Hg	Cetac Cold Vapour AA	1 ppb	\$7.70	\$5.80

Analysis is not suitable for high-grade Au, Pt or elevated Se samples (cold vapour method only). Acme retains the right to select the method of determination.



GROUP 1D, 1DX & 1DA: ICP & ICP-MS ANALYSIS - AQUA REGIA

Now you can choose ICP-ES or ICP-MS analysis at very economical prices to complement your geochemical survey. You can also select a larger split size to get better *Au values without a second, costly analysis.* A 0.5 g split is leached in hot (95°C) Aqua Regia then analysed by ICP-ES (Group 1D) or ICP-MS (Group 1DX). Group 1DA offers a choice of 10 g, 20 g or 30 g splits.

Group 1D	add	<u>Cdn</u>	<u>U.S.</u>
Any 1 element		\$3.85	\$2.90
Any 5 elements		\$5.20	\$3.90
All 30 elements		\$6.35	\$4.75
‡Include Hg and Ti		\$0.50	\$0.40
Group 1DX		<u>Cdn</u>	<u>U.S.</u>
Any 1 element		\$6.00	\$4.50
Any 5 elements		\$7.50	\$5.60
All 35 elements		\$9.00	\$6.75
Group 1DA 10 gm split 20 gm split 30 gm split See Page 6 for G Regia / ICP Mass	승규는 아이들 않는 것	March Contraction of the Contract of the Contr	••••••••••••••••••••••••••••••••••••

ultratrace elements

Detection Detection_ Limit Ag 0.3 ppm 0.1 ppm 100 ppm 0.01 % 0.01 % Al* 10 % 10000 ppm As 2 ppm 0.5 ppm 0.5 ppb 100 ppm 2 ppm Au **B*** 2000 ppm 3 ppm 1 ppm Ba* 1 ppm 1 ppm 1000 ppm Bi 3 ppm 0.1 ppm 2000 ppm Ca* 0.01 % 0.01 % 40 % Cd 0.5 ppm 2000 ppm 0.1 ppm Со 1 ppm 0.1 ppm 2000 ppm Cr* 1 ppm 1 ppm 10000 ppm Cu 0.1 ppm 10000 ppm 1 ppm Fe* 0.01 % 0.01 % 40 % Ga* 1000 ppm 1 ppm Hg‡ 1 ppm 0.01 ppm 100 ppm K* 0.01 % 0.01 % 10 % La* 1 ppm 10000 ppm 1 ppm Mg* 0.01 % 0.01 % 30 % Mn* 2 ppm 1 ppm 10000 ppm 1 ppm 2000 ppm Мо 0.1 ppm Na* 0.01 % 0.001 % 10 % Ni 0.1 ppm 10000 ppm 1 ppm P* 0.001 % 0.001 % 5 % Pb 0.1 ppm 10000 ppm 3 ppm S 0.05 % 10 % Sb 2000 ppm 3 ppm 0.1 ppm 0.1 ppm Sc 100 ppm 10000 ppm Sr* 1 ppm 1 ppm Th* 2 ppm 2000 ppm 0.1 ppm Ti* 0.01 % 0.001 % 10 % TI‡ 0.1 ppm 5 ppm 1000 ppm U* 8 ppm 0.1 ppm 2000 ppm ۷* 1 ppm 1 ppm 10000 ppm W* 0.1 ppm 100 ppm 2 ppm Zn 10000 ppm 1 ppm 1 ppm

Group 1DX & 1DA

Upper

Group 1D

*Some elements are nartially leached

List of Compiled Data

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Rock Sample Quality Control Results

Marble Blanks

Magnetite Copper Skarn

Acme Analytical Laboratories Limited – Duplicate Analysis

Acme Analytical Laboratories Limited – In-house Standard DS4)

Soil and Stream Sediment Quality Control Results

Canmet Standard STSD-4

Acme Analytical Laboratories Limited – In-house Standard DS4)

Whitehorse Copper Mine Tailings

Whitehorse Clay Cliff Silt

EMR Duplicate Check Samples

Acme Analytical Laboratories Limited – In-house duplicate pairs

	Miner	al Asse	essme	nts -	2002 F	ieldw	ork																	
	Rock	Geoch	emist	ry: Ac	me Ar	nalytic	al; Ar	nalysi	s: GR	OUP 1	DA - 3	30.0 G	М											
	Marbl	e Blanl	ks - Cl	heck \$	Sampl	es																		
	Analy	tical Re	sults																					
ELEMENT	Мо	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	Р	La	Cr	Mg	Ba
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm
140304D	11.4	49.2	0.8	6	0.05	0.05	0.6	115	0.43	1.2	1.9	0.25	0.05	444	0.05	0.1	0.05	2	38.93	0.03	0.5	5.2	1.84	8
140312D	9.1	78.9	1.2	4	0.05	0.1	0.5	98	0.23	0.5	1.9	0.25	0.1	355	0.05	0.2	0.1	1	34.13	0.026	0.5	4.5	1.59	9
140357D	9.2	44	2.5	12	0.05	0.05	0.3	87	0.11	0.5	1.7	0.6	0.05	406	0.05	0.1	0.05	2	34.56	0.028	0.5	8.5	1.63	25
140389D	9.1	43.1	1.5	21	0.05	0.05	0.1	88	0.01	0.5	1.7	0.25	0.1	379	0.1	0.05	0.05	1	34.77	0.026	0.5	8.9	1.44	14
176424D	10.3	57.2	2.2	8	0.05	0.05	0.5	114	0.19	1.7	1.7	0.6	0.1	409	0.05	0.2	0.05	2	36.11	0.031	0.5	6	1.61	140
176447D	8.3	108.6	1.9	10	0.05	0.05	0.6	99	0.38	0.5	1.7	0.25	0.1	324	0.1	0.4	0.05	3	32.07	0.023	0.5	6.4	1.5	5
176535D	9	72.8	15.3	17	0.1	0.05	0.3	104	0.21	79.1	1.8	11	0.05	363	0.05	10.5	0.05	1	34.76	0.024	0.5	9.8	1.71	5
343882D	8.8	45.8	2.3	282	0.05	0.05	0.1	97	0.1	0.25	1.6	0.25	0.05	361	1.2	0.1	0.05	2	34.56	0.025	0.5	3.2	1.72	265
344221D	9	43.2	2.3	15	0.05	0.05	0.3	95	0.13	0.5	1.7	0.25	0.1	347	0.1	0.1	0.05	2	33.46	0.024	1	4.9	1.71	39
56420D	10.8	83.6	2.8	8	0.05	0.05	0.4	124	0.27	0.8	1.8	0.9	0.1	418	0.05	0.4	0.05	2	41.04	0.032	0.5	4.6	2.24	6
97601D	10	49.9	1.2	5	0.05	0.05	0.2	112	0.11	2.3	1.7	0.25	0.05	427	0.05	0.1	0.05	2	37.16	0.031	0.5	5.8	1.81	9
97633D	8.4	78	4.1	3	0.05	0.05	0.4	101	0.21	0.5	1.6	0.25	0.05	357	0.05	0.1	0.05	1	36.12	0.025	0.5	2.9	1.66	4
97661D	9.4	76.4	0.8	6	0.05	0.05	0.4	104	0.17	2.1	1.7	0.8	0.05	403	0.05	0.1	0.05	1	35.07	0.034	0.5	5.1	1.84	6
97666D	11.3	178.5	1.5	6	0.05	0.05	0.7	125	0.41	2.1	1.8	0.25	0.05	395	0.1	0.2	0.1	2	39.56	0.035	0.5	9.4	1.93	9

ELEMENT	Ti	В	AI	Na	К	W	Hg	Sc	TI	S	Ga	Work
SAMPLES	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	Order
140304D	0.002	3	0.02	0.0005	0.005	0.4	0.005	0.3	0.05	0.025	0.5	020040R
140312D	0.002	2	0.02	0.001	0.005	0.3	0.005	0.2	0.05	0.025	0.5	020048R
140357D	0.001	2	0.01	0.001	0.005	0.4	0.005	0.2	0.05	0.025	0.5	020051R
140389D	0.001	1	0.01	0.001	0.005	0.2	0.005	0.1	0.05	0.025	0.5	020051R
176424D	0.001	1	0.01	0.001	0.005	0.3	0.005	0.2	0.05	0.025	0.5	020042R
176447D	0.001	2	0.02	0.0005	0.005	0.5	0.005	0.1	0.05	0.025	0.5	020047R
176535D	0.001	2	0.01	0.0005	0.005	0.3	0.01	0.2	0.05	0.025	0.5	020048R
343882D	0.002	2	0.01	0.001	0.005	1.6	0.02	0.2	0.05	0.025	0.5	020051R
344221D	0.002	3	0.02	0.001	0.005	0.3	0.01	0.2	0.05	0.025	0.5	020051R
56420D	0.002		0.02	0.001	0.005	0.4	0.005	0.2	0.05	0.025	0.5	020047R
97601D	0.002	3	0.02	0.0005	0.01	0.4	0.005	0.2	0.05	0.025	0.5	020036R
97633D	0.001	3	0.01	0.0005	0.005	0.3	0.01	0.2	0.05	0.025	0.5	020047R
97661D	0.002	2	0.02	0.003	0.005	0.3	0.01	0.3	0.05	0.025	0.5	020036R
97666D	0.001	3	0.02	0.0005	0.005	0.5	0.005	0.2	0.05	0.025	0.5	020041R

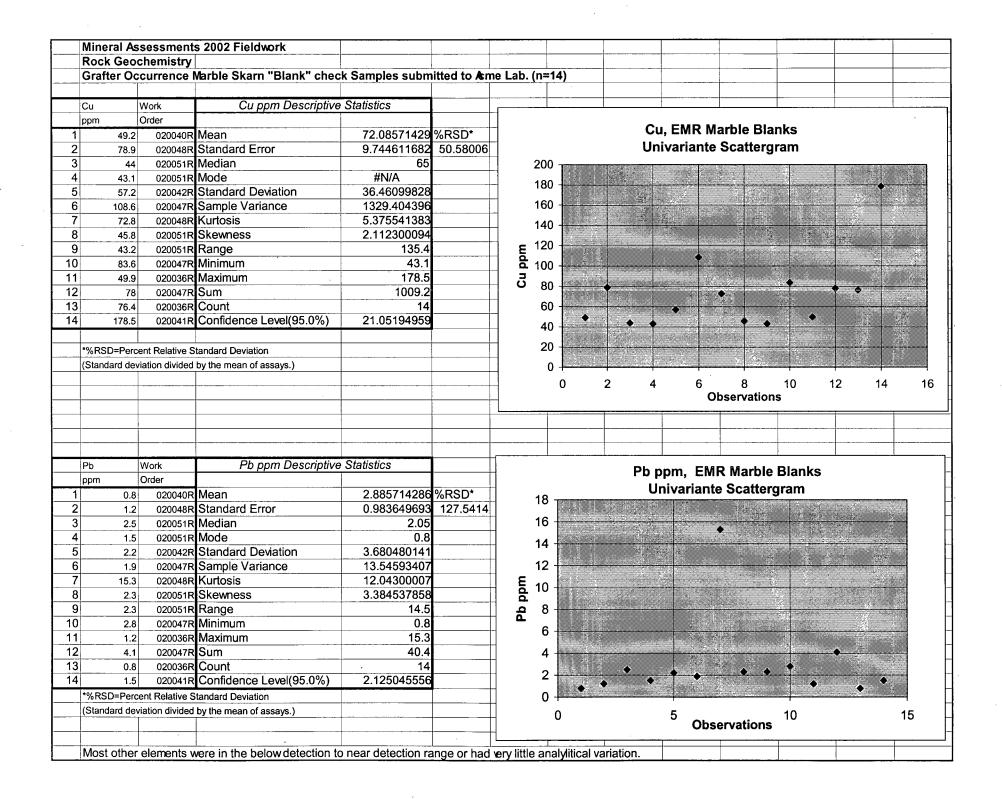
Rock Marble Blanks - Results

	Minera	Assess	nents -	2002 Fiel	dwork											
	Rock G	eochemi	stry: Ad	me Anal	ytical; A	nalysis	: GROU	P 1DA -	30.0 GI	M						
				Samples		· · · ·										
	Descrip	otive Stat	istics							•						
	Мо	Cu	Pb	Zn	Ag	Ni	Со	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb ·
Descriptive Statistics	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Mean	9.58	72.09	2.89	28.79	0.05	0.05	0.39	104.50	0.21	6.61	1.74	1.15	0.07	384.86	0.15	0.90
Standard Error	0.27	9.74	0.98	19.53	0.00	0.00	0.05	3.20	0.03	5.58	0.02	0.76	0.01	9.29	0.08	0.74
Median	9.15	65	2.05	8	0.05	0.05	0.4	102.5	0.2	0.65	1.7	0.25	0.05	387	0.05	0.1
Mode	9.1	#N/A	0.8	6	0.05	0.05	0.3	104	0.11	0.5	1.7	0.25	0.05	#N/A	0.05	0.1
Standard Deviation	1.02	36.46	3.68	73.07	0.01	0.01	0.18	11.99	0.12	20.88	0.09	2.84	0.03	34.77		
Sample Variance	1.03	1329.40	13.55	5339.10	0.00	0.00	0.03	143.65	0.02	435.82	0.01	8.08	0.00	1209.21	0.09	7.64
Kurtosis	-0.66	5.38	12.04	13.82	14.00	14.00	-0.70	-0.72	-0.43	13.96	-0.23	13.77	-2.24		13.80	
Skewness	0.73	2.11	3.38	3.71	3.74	3.74	-0.02	0.36	0.51	3.73	0.49	3.70	0.32	-0.01	3.70	
Range	3.1	135.4	14.5	279	0.05	0.05	0.6	38	0.42	78.85	0.3	10.75				
Minimum	8.3	43.1	0.8	3	0.05	0.05	0.1	87	0.01	. 0.25	1.6	0.25	0.05	324	0.05	
Maximum	11.4	178.5	15.3	282	0.1	0.1	0.7	125	0.43	79.1	1.9	11	0.1	444		10.5
Sum	134.1	1009.2	40.4	403	0.75	0.75	5.4	1463	2.96	92.55	24.3	16.15	1	5388		
Count	14	14	14	14	14	14	14	14	14			14				14
Confidence Level(95.0%)	0.5863	21.0519	2.1250	42.1889	0.0077	0.0077	0.1059	6.9203	0.0719	12.0536	0.0536	1.6417	0.0148	20.0777	0.1756	1.5960

Bi	V	Ca	Р	La	Cr	Mg	Ва	Ti	В	Al	Na		W	Hg	Sc		-	Ga
ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
0.06	1.71	35.88	0.03	0.54	6.09	1.73	38.86	0.00	2.29	0.02	0.00	0.01	0.44	0.01	0.20	0.05	0.03	0.50
0.00	0.16	0.67	0.00	0.04	0.60	0.05	19.82	0.00	0.19	0.00	0.00	0.00	0.09	0.00	0.01	0.00	0.00	0.00
0.05	2	34.92	0.027	0.5	5.5	1.71	9	0.0015	2	0.02	0.001	0.005	0.35	0.005	0.2	0.05	0.025	0.5
0.05	2	34.56	0.026	0.5	#N/A	1.84	9	0.002	- 3	0.02	0.001	0.005	0.3	0.005	0.2	0.05		0.5
0.02	0.61	2.50	0.00	0.13	2.24	0.20	74.15	0.00	0.73	0.01	0.00	0.00	0.34	0.00	0.06	0.00	0.00	0.00
0.00	0.37	6.25	0.00	0.02	5.01	0.04	5497.98	0.00	0.53	0.00	0.00	0.00	0.12	0.00	0.00	0.00		
3.79	-0.26	0.06	-1.26	14.00	-0.94	2.33	7.21	-2.36	-0.73	-2.24	9.22	14.00	11.96	5.30	1.33		#DIV/0!	#DIV/0!
2.29	0.19	0.78	0.39	3.74	0.46	1.13	2.70	0.00	-0.52	-0.32	2.80	3.74	3.36	2.15	0.00	#DIV/0!	#DIV/0!	#DIV/0!
0.05	2	8.97	0.012	0.5	6.9	0.8	261	0.001	2	0.01	0.0025	0.005	1.4	0.015	0.2	0	0	0
0.05	1	32.07	0.023	0.5	2.9	1.44	4	0.001	1	0.01	0.0005	0.005				0.05		0.5
0.1	3	41.04	0.035	1	9.8	2.24	265	0.002	3	0.02	0.003	0.01	1.6	0.02	-1			0.5
0.8	24	502.3	0.394	7.5	85.2	24.23	544	0.021	32	0.22	0.013	0.075	6.2		- · · · · · · · · · · · · · · · · · · ·		0.35	
14	14	14	14	14	14	14	14	14	14	14	14						14	
0.0105	0.3529	1.4437	0.0023	0.0772	1.2918	0.1152	42.8120	0.0003	0.4193	0.0030	0.0004	0.0008	0.1984	0.0025	0.0320	0.0000	0.0000	0.0000

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rafter Oc	Work Order 020040R 020048R 020051R 020051R 020042R 020047R 020048R	Standard Error Median Mode Standard Deviation Sample Variance Kurtosis			e Lab. (n=1	4)	-	-	Marble I				
b 0.25 0.25 0.6 0.25 0.6 0.25 11 0.25 0.25 0.25 0.9	Work Order 020040R 020048R 020051R 020051R 020042R 020047R 020048R 020051R	Au ppb Descriptive Mean Standard Error Median Mode Standard Deviation Sample Variance Kurtosis	Statistics 1.153571429 0.759924524 0.25 0.25 2.84337721	%RSD*		4)	-	-					
b 0.25 0.25 0.6 0.25 0.6 0.25 11 0.25 0.25 0.25 0.9	Order 020040R 020048R 020051R 020051R 020042R 020042R 020047R 020048R 020051R	Mean Standard Error Median Mode Standard Deviation Sample Variance Kurtosis	1.153571429 0.759924524 0.25 0.25 2.84337721		12		-	-				<u></u> d.	
b 0.25 0.25 0.6 0.25 0.6 0.25 11 0.25 0.25 0.25 0.9	Order 020040R 020048R 020051R 020051R 020042R 020042R 020047R 020048R 020051R	Mean Standard Error Median Mode Standard Deviation Sample Variance Kurtosis	1.153571429 0.759924524 0.25 0.25 2.84337721		- 12		-	-					
0.25 0.25 0.6 0.25 0.6 0.25 11 0.25 0.25 0.25 0.9	020040R 020048R 020051R 020051R 020042R 020047R 020048R 020051R	Standard Error Median Mode Standard Deviation Sample Variance Kurtosis	0.759924524 0.25 0.25 2.84337721		12		-	-					
0.25 0.6 0.25 0.6 0.25 11 0.25 0.25 0.25 0.9	020048R 020051R 020051R 020042R 020047R 020048R 020048R	Standard Error Median Mode Standard Deviation Sample Variance Kurtosis	0.759924524 0.25 0.25 2.84337721		12		Un	ivariante	Scatter	Iram			
0.6 0.25 0.6 0.25 11 0.25 0.25 0.25 0.9	020051R 020051R 020042R 020047R 020048R 020048R	Median Mode Standard Deviation Sample Variance Kurtosis	0.25 0.25 2.84337721	246.4847	12								
0.25 0.6 0.25 11 0.25 0.25 0.25 0.9	020051R 020042R 020047R 020048R 020048R	Mode Standard Deviation Sample Variance Kurtosis	0.25 2.84337721										
0.6 0.25 11 0.25 0.25 0.25 0.9	020042R 020047R 020048R 020051R	Standard Deviation Sample Variance Kurtosis	2.84337721										
0.25 11 0.25 0.25 0.9	020047R 020048R 020051R	Sample Variance Kurtosis							•				
11 0.25 0.25 0.9	020048R 020051R	Kurtosis	8.084793956		10								
0.25 0.25 0.9	020051R												
0.25 0.9			13.76934871		8								
0.9	020051R	Skewness	3.699320629		٩								
			10.75		d 6								
0.25		Minimum	0.25		Au ppb								
		Maximum	11		_				1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -				
0.25		Sum	16.15		4	-							
0.8		Count	14	l	-		-						
0.25			1.641716807		2							2	
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tandard dev	iation divided t	by the mean of assays.)					· • ·	•		. 1		•	
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		As ppm Descriptive	Statistics				As ppn	n. EMF	R Marbl	e blan	ks		
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				h	ł				servation	3			
	RSD=Perce andard dev n 1.2 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	RSD=Percent Rel ative Standard dev iation divided to andard dev iation divided to work andard dev iation divided to work andard dev iation divided to work andard dev iation divided to b work andard dev iation divided to b b b b b b c b b b b b b c c c c c d c d d d d d d<	RSD=Percent Relative Standard Deviation andard deviation divided by the mean of assays.) work As ppm Descriptive n Order 1.2 020040R 0.5 020048R Standard Error 0.5 020051R Mode 1.7 020042R Standard Deviation 0.5 020047R Sample Variance 79.1 020048R Kurtosis 0.5 020051R 0.5 020051R Range 0.8 020047R Minimum 2.3 020047R Sum 0.5 020047R	RSD=Percent Relative Standard Deviation andard deviation divided by the mean of assays.) andard deviation divided by the mean of assays.) work As ppm Descriptive Statistics m Order 1.2 020040R Mean 6.610714286 0.5 020048R Standard Error 5.579412162 0.5 020051R Median 0.65 0.5 020051R Mode 0.5 1.7 020042R Standard Deviation 20.87624873 0.5 020047R Sample Variance 435.817761 79.1 020048R 0.25 020051R 0.40047R Kinimum 0.5 020047R 0.5 020047R	RSD=Percent Relative Standard Deviation andard deviation divided by the mean of assays.) andard deviation divided by the mean of assays.) andard deviation divided by the mean of assays.) work As ppm Descriptive Statistics n Order 1.2 020040R Mean 6.610714286 0.5 020048R Standard Error 5.579412162 0.5 020051R Mode 0.5 1.7 020042R Standard Deviation 20.87624873 0.5 020047R Sample Variance 435.817761 79.1 020048R Kurtosis 13.95842408 0.25 020051R 0.5 020051	RSD=Percent Rel ative Standard Deviation 2 andard deviation divided by the mean of assays.) 0 work As ppm Descriptive Statistics n Order 1.2 020040R 0.5 020048R 0.5 020048R 0.5 020048R 0.5 020048R 0.5 020051R 0.5 020047R 0.5 020047R	RSD=Percent Rel ative Standard Deviation 2 andard deviation divided by the mean of assays.) 0 andard deviation divided by the mean of assays.) 0 work As ppm Descriptive Statistics n Order 1.2 020040R 0.5 020048R Standard Error 5.579412162 0.5 020051R Median 0.65 0.5 020051R Mode 0.5 0.5 020051R Mode 0.5 0.5 020047R Sample Variance 435.817761 0.5 020051R 0.5 020047R	RSD=Percent Relative Standard Deviation 2 andard deviation divided by the mean of assays.) 0 work As ppm Descriptive Statistics n Order 1.2 020040R 0.5 020040R Standard Deviation 0.65 1.2 020040R Median 0.65 0.5 020040R Standard Deviation 20.87624873 0.5 020047R Sample Variance 435.817761 79.1 020048R Kartosis 13.95842408 0.5 020047R Sum 92.55 2.3 020047R Sum 92.55 2.1 020047R Sum 92.55 2.1 020047R Sum 92.55 2.1 020047R Sum 92.55 2.1 020047R Maximum 79.1 20047R Sum 90 20047R Maximum 92.55 2.1 020047R	RSD=Percent Relative Standard Deviation 0 5 0 andard deviation divided by the mean of assays.) 0 5 0 0 5 0 0 5 0 0 0 5 0 0 5 0 0 0 5 0 0 5 0 0 0 5 0 0 5 0 0 0 0 5 0 0 5 0 0 0 0 5 0 0 5 0 0.5 020040R Mode 0.5 0 <	RSD=Percent Rel ative Standard Deviation 2 andard deviation divided by the mean of assays.) 0 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 0 0 5 0 5 0 0 12 020040R 12 020040R 13 020041R 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	RSD=Percent Rel ative Standard Deviation 2 andard deviation divided by the mean of assays.) 0 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0.5 020040R 1.2 020040R 1.2 020040R 1.3 020040R 1.4 0.5 0.5 020040R Standard Deviation 20.87624873 0.5 020040R 1.7 020040R Kurtosis 13.95842408 0.5 020051R 0.5 020051R 0.5 020051R 0.5 020051R 0.5 020051R	RSD=Percent Relative Standard Deviation 2 indard deviation divided by the mean of assays.) 0 indard deviation divided by the mean of assays.) 0 indard deviation divided by the mean of assays.) 0 indard deviation divided by the mean of assays.) 0 indard deviation divided by the mean of assays.) 0 indard deviation divided by the mean of assays.) 0 indard deviation divided by the mean of assays.) 0 indard deviation divided by the mean of assays.) 0 indard deviation divided by the mean of assays.) 0 indard deviation divided by the mean of assays.) 0 indard deviation divided by the mean of assays.) 0 indard deviation divided by the mean of assays.) 0 indard deviation divided by the mean of assays.) 0 indard deviation divided by the mean of assays.) 0 indard deviation divided by the mean of assays.) 0 indard deviation divided by the mean of assays.) 0 indard deviation divided by the mean of assays.) 0 indard deviation divided by the mean of assays.) 0 indard deviation divided by the mean of assays.) 0 indard deviation divided	SD=Percent Relative Standard Deviation 0 5 Observations 10 work As ppm Descriptive Statistics 0 5 Observations 10 work As ppm Descriptive Statistics 0 5 Observations 10 work As ppm Descriptive Statistics 0 5 Observations 10 work As ppm Descriptive Statistics 0 0 5 Observations 10 0 0 5 Observations 10 0



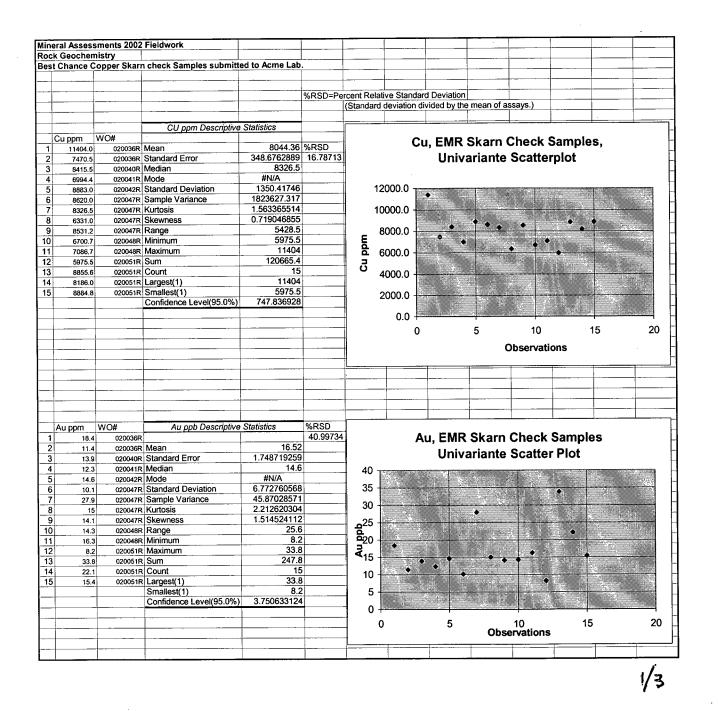
	Mine	ral Asses	ssment	s - 200)2 Fie	ldwor	k															
	Rock	Geoche	mistry:	Acme	Anal	ytical;	Analy	ysis: C	ROUP	1DA -	30.0	GM										
		etite Co				-																
	Analy	tical Re	suits																			
	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca ·	P	La	Cr
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
97167E	22.2	11404	6.9	198	1.7	12.2	53.4	1158	28.28	24.2) 0.6	18.4	0.2	38	0.8	(7.1	0.6	24	2.81	0.027	1	28.9
97655E	24.2	7470.5	5.5	151	1.5	10.2	48.6	1064	26.96	16.7	0.6	11.4	0.2	33	0.5	3.5	0.6	. 21	2.49	0.021	1	24.8
140304E	24.4	8415.5	5.8	155	1.9	8.7	44.7	1009	25.47	17.1	0.7	13.9	0.2	1	0.6	3.7	0.7	21	2.57	0.023	1	17.4
97624E	25.4	6994.4	5.3	163	1.3	8.2	48.1	1116	28.07	16.7	0.7	12.3	0.2	32	0.7	3.5	0.5	22	2.6	0.025	1	28.3
97199E	21.6	8883	-6.7	170	1.5	10.3	55.7	1027	34.46	19.8	0.7	14.6	0.3		-	5.1	0.5			0.022	1	28.4
176384E	23.1	8620	(10.9)(291	<u> /</u> 1.6	9.3	53.6	1215	30.25	22.6	0.7	10.1	0.3			6	0.6	23	2.75	0.024	1	23.7
343900E	24.8	8326.5		636) 1.5	9	49.2	1140	25.54		0.8	(27.9) 0.3			2.9	h			0.024	1	22.8
97611E	22.1	6331	77.7	220	1.2	9.3	50.3	1191	28.05	37.1	0.7	15	0.3		1.2	(12.5) 0.7	23	2.66	4		24.1
97744E	24.2	8531.2	15.7	(1159	T	9.5	48.9	1120	24.57	19.9		14.1	0.2		9.8	4.2	0.8					20.9
176467E	19.5	6700.7	6.3	165	1.2	11	51.2	1090	27.69	17.1	0.8	-		-	0.4	4.1	0.7	24	-		1	27.2
176539E	18.8	7086.7	5.9	165	1.1	11.2	53.3	1153	30.06	24.7) 0.7	16.3	-		0.5	6				0.021	1	31.7
344204E	18.9	5975.5	6.8	179	1.2	9	50.9	1021	29.46							3.6				0.02		21.1
56423E	24.7	8855.6			1.7	10.4	51.8	1169	26.67	22.4			1			3.8	-	-				26.1
56521E	28.9	8186		r	<u>[</u>	1	43	1096		-			0.3			4.5		17			· 1	20.2
97191E	24.3	8884.8	10.2	159	1.5	11.8	65.1	1312	35.38	21.7	0.9	15.4	0.3	45	0.8	3.4	0.7	20	3.26	0.027	1	50.4

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	Mg	Ва	Ti	В	AI	Na	ĸ	W	Hg	Sc	TI	S	Ga	Work
SAMPLES	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	Order
97167E	1.68	18	0.018	3	0.74	0.013	0.09	2	0.16	3.6	0.1	0.66	7	020036
97655E	1.47	15	0.017	2	0.67	0.012	0.09	6.1	0.13	3.2	0.1	0.44	6	020036
140304E	1.49	20	0.016	2	0.69	0.012	0.07	1.8	0.14	2.8	0.1	0.47	6	020040
97624E	1.67	16	0.019	3	0.77	0.012	0.1	1.4	0.13	. 2.8	0.1	0.49	6	0200416
97199E	1.51	55	0.017	3	0.69	0.017	0.08	1.9	0.16	3.5	0.1	0.53	6	020042
176384E	1.53	13	0.014	3	0.74	0.012	0.07	1.4	0.12	2.7	0.1	0.65	6	0200476
343900E	1.64	21	0.017	3	0.85	0.012	0.09	3.4	0.18	1.3	0.1	0.6	6	0200471
97611E	1.49	13	0.015	2	0.75	0.012	0.07	2.8	0.14	1.1	0.1	0.43	7	020047
97744E	1.47	12	0.013	2	0.71	0.011	0.06	27.5	0.14	2.4	0.1	0.62	6	020047
176467E	1.64	22	0.018	3	0.77	0.013	0.07	7.7	0.13	1.9	0.1	0.52	6	020048
176539E	1.57	17	0.017	4	0.74	0.012	0.07	3.6	0.12	1.8	0.1	0.41	7	020048
344204E	1.5	238	0.017	3	0.74	0.012	0.07	1.8	0.16	2.2	0.1	0.44	6	020051
56423E	1.59	19	0.015	3	0.72	0.013	0.08	3.7	0.17	2.5	0.1	0.56	- 7	020051
56521E	1.61	15	0.014	3	0.71	0.01	0.08	1.2	0.65	1.1	0.1	0.46	6	020051
97191E	1.68	262	0.018	3	0.71	0.014	0.09	3.1	0.14	1.2	0.1	0.59	8	020051

· · ·	Minera	al Assessme	nts - 2002	2 Fieldwor	k												
	Rock (Geochemistr	y: Acme	Analytical	; Analy	/sis: GF	ROUP 1	DA - 30.0) GM	·							
	Magne	tite Copper	Skarn - C	heck Sam	ples												
	Descri	ptive Statisti	cs														
								1.1.1			-						
	Мо	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
Descriptive Statistics	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
Mean	23.14	8044.36	26.49	297.47	1.51	9.85	51.19	1125.40	28.33	20.88	0.71	16.52	0.26	34.67	1.64	4.93	0.65
Standard Error	0.70	348.68	13.96	70.84	0.07	0.34	1.32	20.84	0.84	1.36	0.02	1.75	0.01	1.06	0.61	0.62	0.04
Median	24.2	8326.5	6.9	179	1.5	9.5	50.9	1120	28.05	19.8	0.7	14.6	0.3		0.8	4.1	0.6
Mode	24.2	#N/A	#N/A	165	1.5	9.3	#N/A	#N/A	#N/A	17.1	0.7	#N/A	0.3	32	0.8	3.5	0.7
Standard Deviation	2.71	1350.42	54.05	274.36	0.27	1.31	5.11	80.72	3.27	5.28	0.08	6.77	0.05	4.10	2.37	2.40	
Sample Variance	7.36	1823627.32	2921.53	75274.70	0.07	1.71	26.06	6516.11	10.67	27.90	0.01	45.87			5.64		0.02
Kurtosis	0.30	1.56	11.10	7.24	-0.74	-0.69	3.42	0.67	0.68	6.24	0.50	2.21	-2.09				
Skewness	0.02	0.72	3.28	2.64	0.17	0.25	1.20	0.58	0.96	2.24	0.58	1.51	-0.46	1.02	3.31	2.51	
Range	10.1	5428.5	205.2	1008	0.9	4.5	22.1	303	11.4	20.4	0.3	25.6	0.1	17	9.4	9.6	
Minimum	18.8	5975.5	5.3	151	1.1	7.7	43	1009	23.98	16.7	0.6	8.2	0.2	28	0.4	2.9	0.5
Maximum	28.9	11404	210.5	1159	2	12.2	65.1	1312	35.38	37.1	0.9	33.8					
Sum	347.1	120665.4	397.4	4462	22.6	147.8	767.8	16881	424.89	313.2	10.7	247.8	3.9	520	24.6		
Count	15	15	15	15	15	15	15	15	15	15	15	15			15		
Confidence Level(95.0%)	1.502	747.837	29.933	151.937	0.149	0.724	2.827	44.703	1.809	2.925	0.046	3.751	0.028	2.270	1.315	1.331	0.075

														-				
	V	Ca	Ρ́	La	Cr	Mg	Ва	Ti	В	AI	Na	К	W	Hg	Sc	TI	S	Ga
Descriptive Statistics	ppm	%	%	ррт	ppm	%	ррт	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
Mean	22.20	2.70	0.02	1.00	26.40	1.57	50.40	0.02	2.80	0.73	0.01	0.08	4.63	0.18	2.27	0.10	0.52	6.40
Standard Error	0.70	0.06	0.00	0.00	1.98	0.02	21.12	0.00	0.14	0.01	0.00	0.00	1.70	0.03	0.22	0.00	0.02	0.16
Median	23	2.61	0.024	1	24.8	1.57	18	0.017	3	0.74	0.012	0.08	2.8	0.14	2.4	0.1	0.52	6
Mode	23	#N/A	0.024	1	#N/A	1.68	15	0.017	3	0.74	0.012	0.07	1.8	0.14	2.8	0.1	0.44	6
Standard Deviation	2.70	0.23	0.00	0.00	7.67	0.08	81.81	0.00	0.56	0.04	0.00	0.01	6.58	0.13	0.85	0.00	0.08	0.63
Sample Variance	7.31	0.05	0.00	0.00	58.90	0.01	6692.69	0.00	0.31	0.00	0.00	0.00	43.34	0.02	0.72	0.00	0.01	0.40
Kurtosis	-0.49	1.31	-0.50	#DIV/0!	7.08	-1.68	4.23	-0.74	0.38	2,85	5.13	-0.84	12.29	14.32	-1.18	-2.33	-1.36	1.26
Skewness	-0.39	1.20	0.44	#DIV/0!	2.30	0.15	2.35	-0.50	-0.11	1.25	1.72	0.30	3.41	3.75	-0.03	-1.11	0.28	1.41
Range	9	0.85	0.009	0	33	0.21	250	0.006	2	0.18	0.007	0.04	26.3	0.53	2.5	0	0.25	2
Minimum	17	2.41	0.02	1	17.4	1.47	12	0.013	. 2	0.67	0.01	0.06	1.2	0.12	1.1	0.1	0.41	6
Maximum	26	3.26	0.029	1	50.4	1.68	262	0.019	4	0.85	0.017	0.1	27.5	0.65	3.6	0.1	0.66	8
Sum	333	40.48	0.354	15	396	23.54	756	0.245	42	11	0.187	1.18	69.4	2.67	34.1	1.5	7.87	96
Count	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
Confidence Level(95.0%)	1.498	0.128	0.001	0.000	4.250	0.044	45.304	0.001	0.310	0.024	0.001	0.006	3.646	0.073	0.472	0.000	0.047	0.350

Rock Whitehorse Copper Skarn - Statistics



_				2002 Fieldwork												_	
	ROCK	Geoch	emistry	karn check Samples sub	mitted to Acmo	Lah											
_	Desi	JIIAIICE	copper a	Kam check Samples Sub	milled to Acme	Lav.										-+	
	Pb	w	O#	Pb ppm Descriptive	Statistics	%RSD				1							
1		6.9	020036R		010105000	204.0182			Б			<u> </u>			^		
2		5.5	020036R		26.49333333	204.0102			P	D, EN	NK	Skar	пск	еск	Samp	les	
3		.5.8		Standard Error	13.95596635					Ur	niva	ariant	te Sc	atte	rnlot		
4		5.3		Median	6.9					•••							
5		6.7	020041R		#N/A												
6		10.9		Standard Deviation	54.05122526			250					1				
7		7.2		Sample Variance	2921.534952										2		
8		77.7		Kurtosis	11.1002646			200							•		
9		15.7		Skewness	3.277248265			200									
10		6.3	020047R		205.2												
11		5.9		Minimum	205.2		mqq	150									
12				Maximum	210.5		dd										
12		6.8			397.4		PP	100									
_		16	020051R				٩	100									
14		210.5	020051R		15								•				
15		10.2	020051R	Largest(1)	210.5			50									
				Smallest(1)	5.3												
_				Confidence Level(95.0%)	29.93259747			0	• ·	<u> </u>	<u> </u>	• •			<u> </u>	•	
								Ŷ	0		5		1(•		15	20
												_					
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	· ·																
-		-								1						1	
									<u>.</u>								
	7.			To pop Desprision	Statiation	// PSD	· · · · · · · · ·										
	Zn		O#	Zn ppm Descriptive	Statistics	%RSD											
1	Zn	198	020036R			%RSD 92.23297			Zı	n, EM	IRS	Skarr	n Che	eck S	Samp	les	
1	Zn	198 151	020036R 020036R	Mean	297.4666667				Zı							les	
1 2 3	Zn	198 151 155	020036R 020036R 020040R	Mean Standard Error	297.4666667 70.84005234			140				Skarr				les	
1 2 3 4	Zn	198 151 155 163	020036R 020036R 020040R 020041R	Mean Standard Error Median	297.4666667 70.84005234 179			140								les	
1 2 3 4 5	Zn	198 151 155 163 170	020036R 020036R 020040R 020041R 020042R	Mean Standard Error Median Mode	297.4666667 70.84005234 179 165			140	0				e Sca			les	
1 2 3 4 5 6	Zn	198 151 155 163 170 291	020036R 020036R 020040R 020041R 020042R 020042R	Mean Standard Error Median Mode Standard Deviation	297.4666667 70.84005234 179 165 274.362343			120	0							les	
1 2 3 4 5 6 7	Zn	198 151 155 163 170 291 636	020036R 020036R 020040R 020041R 020042R 020047R 020047R	Mean Standard Error Median Mode Standard Deviation Standard Deviation Sample Variance	297.4666667 70.84005234 179 165 274.362343 75274.69524				0				e Sca			les	
1 2 3 4 5 6 7 8		198 151 155 163 170 291 636 220	020036R 020036R 020040R 020041R 020042R 020047R 020047R 020047R	Mean Standard Error Median Mode Standard Deviation Sample Variance Kurtosis	297.4666667 70.84005234 179 165 274.362343 75274.69524 7.238915206			120 100	0 0 0				e Sca			les	
1 2 3 4 5 6 7 8 9		198 151 155 163 170 291 636	020036R 020036R 020040R 020041R 020042R 020047R 020047R 020047R 020047R	Mean Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness	297.4666667 70.84005234 179 165 274.362343 75274.69524			120 100	0 0 0				e Sca			les	
1 2 3 4 5 6 7 8 9		198 151 155 163 170 291 636 220	020036R 020036R 020040R 020041R 020042R 020047R 020047R 020047R	Mean Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness	297.4666667 70.84005234 179 165 274.362343 75274.69524 7.238915206		maa	120 100	0 0 0				e Sca			les	
1 2 3 4 5 6 7 8		198 151 155 163 170 291 636 220 1159	020036R 020036R 020040R 020041R 020042R 020047R 020047R 020047R 020047R 020047R	Mean Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness	297.4666667 70.84005234 179 165 274.362343 75274.69524 7.238915206 2.635071365		udd u	120 100					e Sca			les	
1 2 3 4 5 6 7 8 9 10		198 151 155 163 170 291 636 220 1159 165	020036R 020036R 020040R 020041R 020042R 020047R 020047R 020047R 020047R 020048R	Mean Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range	297.4666667 70.84005234 179 165 274.362343 75274.69524 7.238915206 2.635071365 1008		Zn ppm	120 100 80 60					e Sca			les	
1 2 3 4 5 6 7 8 9 10 11 12		198 151 155 163 170 291 636 220 1159 165 165	020036R 020036R 020040R 020041R 020042R 020047R 020047R 020047R 020047R 020048R	Mean Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minimum Maximum	297.4666667 70.84005234 179 165 274.362343 75274.69524 7.238915206 2.635071365 1008 151		Zn ppm	120 100					e Sca			les	
1 2 3 4 5 6 7 8 9 10 11		198 151 155 163 170 291 636 220 1159 165 165 165 179	020036R 020036R 020040R 020041R 020047R 020047R 020047R 020047R 020047R 020047R	Mean Standard Error Median Mode Standard Deviation Standard Standard Deviation Standard Standard St	297.4666667 70.84005234 179 165 274.362343 75274.69524 7.238915206 2.635071365 1008 151		Zn ppm	120 100 80 60 40					e Sca			les	
1 2 3 4 5 6 7 8 9 10 11 12 13 14		198 151 155 163 170 291 636 220 1159 165 165 179 193	020036R 020036R 020040R 020041R 020042R 020047R 020047R 020047R 020047R 020047R 020048R 020048R 020048R 020051R	Mean Standard Error Median Mode Standard Deviation Standard Deviation	297.4666667 70.84005234 179 165 274.362343 75274.69524 7.238915206 2.635071365 1008 151 1159 4462		Zn ppm	120 100 80 60					e Sca			les	
1 2 3 4 5 6 7 8 9 10 11 11 12 13		198 151 155 163 170 291 636 220 1159 165 165 165 179 186 179 193 458	020036R 020036R 020040R 020041R 020042R 020047R 020047R 020047R 020047R 020047R 020048R 020048R 020048R 020051R	Mean Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minimum Maximum Sum Count Largest(1)	297.4666667 70.84005234 179 165 274.362343 75274.69524 7.238915206 2.635071365 1008 151 1159 4462 15		Zn ppm	120 100 80 60 40 20					e Sca			les	
1 2 3 4 5 6 7 8 9 10 11 12 13 14		198 151 155 163 170 291 636 220 1159 165 165 165 179 186 179 193 458	020036R 020036R 020040R 020041R 020042R 020047R 020047R 020047R 020047R 020047R 020048R 020048R 020048R 020051R	Mean Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minimum Maximum Sum Count Largest(1) Smallest(1)	297.4666667 70.84005234 179 165 274.362343 75274.69524 7.238915206 2.635071365 1008 151 1159 4462 155 1159		Zn ppm	120 100 80 60 40 20					e Sca			les	
1 2 3 4 5 6 7 8 9 10 11 12 13 14		198 151 155 163 170 291 636 220 1159 165 165 165 179 186 179 193 458	020036R 020036R 020040R 020041R 020042R 020047R 020047R 020047R 020047R 020047R 020048R 020048R 020048R 020051R	Mean Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minimum Maximum Sum Count Largest(1)	297.4666667 70.84005234 179 165 274.362343 75274.69524 7.238915206 2.635071365 1008 151 1159 4462 15 1159		Zn pom	120 100 80 60 40 20			niva	riant ↓	e Sca	atter			
1 2 3 4 5 6 7 8 9 10 11 12 13 14		198 151 155 163 170 291 636 220 1159 165 165 165 179 186 179 193 458	020036R 020036R 020040R 020041R 020042R 020047R 020047R 020047R 020047R 020047R 020048R 020048R 020048R 020051R	Mean Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minimum Maximum Sum Count Largest(1) Smallest(1)	297.4666667 70.84005234 179 165 274.362343 75274.69524 7.238915206 2.635071365 1008 151 1159 4462 155 1159		Zn ppm	120 100 80 60 40 20				riant ↓	e Sca			les •	2
1 2 3 4 5 6 7 8 9 10 11 12 13 14		198 151 155 163 170 291 636 220 1159 165 165 165 179 186 179 193 458	020036R 020036R 020040R 020041R 020042R 020047R 020047R 020047R 020047R 020047R 020048R 020048R 020048R 020051R	Mean Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minimum Maximum Sum Count Largest(1) Smallest(1)	297.4666667 70.84005234 179 165 274.362343 75274.69524 7.238915206 2.635071365 1008 151 1159 4462 155 1159		Zn ppm	120 100 80 60 40 20			niva	riant ↓	e Sca	atter	rplot		2
1 2 3 4 5 6 7 8 9 10 11 12 13 14		198 151 155 163 170 291 636 220 1159 165 165 165 179 186 179 193 458	020036R 020036R 020040R 020041R 020042R 020047R 020047R 020047R 020047R 020047R 020048R 020048R 020048R 020051R	Mean Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minimum Maximum Sum Count Largest(1) Smallest(1)	297.4666667 70.84005234 179 165 274.362343 75274.69524 7.238915206 2.635071365 1008 151 1159 4462 155 1159		Zn ppm	120 100 80 60 40 20			niva	riant ↓	e Sca	atter	rplot		2
1 2 3 4 5 6 7 8 9 0 1 1 2 3 4		198 151 155 163 170 291 636 220 1159 165 165 165 179 186 179 193 458	020036R 020036R 020040R 020041R 020042R 020047R 020047R 020047R 020047R 020047R 020048R 020048R 020048R 020051R	Mean Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minimum Maximum Sum Count Largest(1) Smallest(1)	297.4666667 70.84005234 179 165 274.362343 75274.69524 7.238915206 2.635071365 1008 151 1159 4462 155 1159		Zn ppm	120 100 80 60 40 20			niva	riant ↓	e Sca	atter	rplot		2

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		sessments 2 hemistry	2002 Fieldw ork										
Best C	hand	e Copper S	karn check Samples subr	nitted to A cme	Lab.								
								·			-		
		WO#	Mo ppm Descriptive	Statiation	%RSD		I						
Mo	22.2	020036R	Mo ppin Descriptive	Statistics	11.7249		M	5 FMR	Skarn	Ckeck	c Sampl	29	
-	22.2	020036R	Mean	23.14								00	
-	24.2		Standard Error	0.700530411				Univ	ariante	Scatte	erplot		
- t -	25.4	020041R		24.2									
	21.6	020041R		24.2									
	23.1		Standard Deviation	2.713142616		35							
	24.8	020047R	Sample Variance	7.361142857		30					-		
3	22.1		Kurtosis	0.303630458		00					•		
)	24.2		Skewness	0.021262035		25	-	. •	•				
	19.5	020048R		10.1		۶	•		• •				
	18.8		Minimum	18.8		ਰ 20				••	•		
	18.9		Maximum	28.9		udd 20 15							
	24.7	020051R		347.1		ž ^{io}							
	28.9	020051R		15		10							
5	24.3		Largest(1) Smallest(1)	28.9		-							
			Confidence Level(95.0%)	1.502489637		5	-						
			Commutence Lever(55.0 %)	1.302403037		, 							
						0	+			1		1	
-							0	5		10	1	5	20
									0				
									OD	servatio	ns		
-									1				
As		WO#	As Descriptive St	atistics	%RSD								
1	24.2	020036R			25.29858					Chack	Comple		
1	24.2 16.7	020036R 020036R	Mean	20.88	25.29858		As				Sample	es	
2	24.2 16.7 17.1	020036R 020036R 020040R	Mean Standard Error	20.88 1.363894983	25.29858		As				-	es	
1 2 3 4	24.2 16.7 17.1 16.7	020036R 020036R 020040R 020041R	Mean Standard Error Median	20.88 1.363894983 19.8	25.29858				Skarn ariante		-	es	
1 2 3 4 5	24.2 16.7 17.1 16.7 19.8	020036R 020036R 020040R 020041R 020042R	Mean Standard Error Median Mode	20.88 1.363894983 19.8 17.1	25.29858	4					-	es	
1 2 3 4 5 5	24.2 16.7 17.1 16.7 19.8 22.6	020036R 020036R 020040R 020041R 020042R 020042R	Mean Standard Error Median Mode Standard Deviation	20.88 1.363894983 19.8 17.1 5.282342554	25.29858		ס דייין נ				-	es	
1 2 3 3 4 5 5 6 7	24.2 16.7 17.1 16.7 19.8 22.6 17.1	020036R 020036R 020040R 020041R 020042R 020047R 020047R	Mean Standard Error Median Mode Standard Deviation Sample Variance	20.88 1.363894983 19.8 17.1 5.282342554 27.90314286	25.29858	41	ס דייין נ				-	es	
1 2 3 3 4 5 5 6 7 8	24.2 16.7 17.1 16.7 19.8 22.6 17.1 37.1	020036R 020036R 020040R 020041R 020042R 020047R 020047R 020047R	Mean Standard Error Median Mode Standard Deviation Sample Variance Kurtosis	20.88 1.363894983 19.8 17.1 5.282342554 27.90314286 6.24050597	25.29858	3	5				-	es	
1 2 3 4 5 6 6 7 8 9	24.2 16.7 17.1 16.7 19.8 22.6 17.1 37.1 19.9	020036R 020036R 020040R 020041R 020042R 020047R 020047R 020047R 020047R	Mean Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness	20.88 1.363894983 19.8 17.1 5.282342554 27.90314286 6.24050597 2.243801475	25.29858	3:) 5 				-	es	
1 2 3 3 4 5 5 7 8 9 9 0	24.2 16.7 17.1 16.7 19.8 22.6 17.1 37.1 19.9 17.1	020036R 020036R 020040R 020041R 020042R 020047R 020047R 020047R 020047R	Mean Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range	20.88 1.363894983 19.8 17.1 5.282342554 27.90314286 6.24050597 2.243801475 20.4	25.29858	3:) 5 				-	es	
1 2 3 3 4 5 5 5 6 7 8 9 9 0 1	24.2 16.7 17.1 16.7 19.8 22.6 17.1 37.1 19.9 17.1 24.7	020036R 020036R 020040R 020041R 020047R 020047R 020047R 020047R 020047R 020047R	Mean Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minimum	20.88 1.363894983 19.8 17.1 5.282342554 27.90314286 6.24050597 2.243801475 2.243801475 20.4 16.7	25.29858	3:	D 5 				-	es	
1 2 3 3 4 5 5 5 7 7 8 9 9 0 1 2	24.2 16.7 17.1 16.7 19.8 22.6 17.1 37.1 19.9 17.1 24.7 18.2	020036R 020040R 020040R 020042R 020042R 020047R 020047R 020047R 020047R 020048R 020048R 020048R	Mean Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minim um Maxim um	20.88 1.363894983 19.8 17.1 5.282342554 27.90314286 6.24050597 2.243801475 20.4	25.29858	3: 3: 5: 2: 1: 2: 2: 2: 2: 2: 2: 2: 2: 2: 2: 2:	0 5 0 5 5 				-	es	
1 2 3 3 4 4 5 5 6 7 7 7 8 8 9 9 0 1 1 2 2 3	24.2 16.7 17.1 16.7 19.8 22.6 17.1 37.1 19.9 17.1 24.7	020036R 020040R 020040R 020041R 020042R 020047R 020047R 020047R 020047R 020047R 020048R 020048R 020051R	Mean Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minimum Maximum Sum	20.88 1.363894983 19.8 17.1 5.282342554 27.90314286 6.24050597 2.243801475 20.4 16.7 37.1	25.29858	3:	0 5 0 5 5 				-	es	
1 2 3 3 5 5 6 6 7 7 8 9 0 0 1 1 2 2 3 3 4	24.2 16.7 17.1 16.7 19.8 22.6 17.1 37.1 19.9 17.1 24.7 18.2 22.4	020036R 020036R 020040R 020041R 020042R 020047R 020047R 020047R 020047R 020047R 020047R 020047R 020047R 020047R 020051R	Mean Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minimum Maximum Sum Count Largest(1)	20.88 1.363894983 19.8 17.1 5.282342554 27.90314286 6.24050597 2.243801475 20.4 16.7 37.1 313.2	25.29858	3: 31 2: d 24 8 7					-	es	
1 2 3 5 5 6 6 7 7 8 9 0 0 1 1 2 2 3 3 4	24.2 16.7 17.1 16.7 19.8 22.6 17.1 37.1 19.9 17.1 24.7 18.2 22.4 17.9	020036R 020036R 020040R 020041R 020042R 020047R 020047R 020047R 020047R 020047R 020047R 020047R 020047R 020047R 020051R	Mean Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minim um Maximum Sum Count Largest(1) Smallest(1)	20.88 1.363894983 19.8 17.1 5.282342554 27.90314286 6.24050597 2.243801475 20.4 16.7 37.1 313.2 15 37.1 16.7	25.29858	3: 3: 5: 2: 1: 2: 2: 2: 2: 2: 2: 2: 2: 2: 2: 2:					-	es	
1 2 3 5 5 6 6 7 7 8 9 0 0 1 1 2 2 3 3 4	24.2 16.7 17.1 16.7 19.8 22.6 17.1 37.1 19.9 17.1 24.7 18.2 22.4 17.9	020036R 020036R 020040R 020041R 020042R 020047R 020047R 020047R 020047R 020047R 020047R 020047R 020047R 020047R 020051R	Mean Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minimum Maximum Sum Count Largest(1)	20.88 1.363894983 19.8 17.1 5.282342554 27.90314286 6.24050597 2.243801475 20.4 16.7 37.1 313.2 5 37.1	25.29858	3: 3: uudd 2 : Vudd SV 1: 1:					-	es	
1 2 3 5 5 6 6 7 7 8 9 0 0 1 1 2 2 3 3 4	24.2 16.7 17.1 16.7 19.8 22.6 17.1 37.1 19.9 17.1 24.7 18.2 22.4 17.9	020036R 020036R 020040R 020041R 020042R 020047R 020047R 020047R 020047R 020047R 020047R 020047R 020047R 020047R 020051R	Mean Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minim um Maximum Sum Count Largest(1) Smallest(1)	20.88 1.363894983 19.8 17.1 5.282342554 27.90314286 6.24050597 2.243801475 20.4 16.7 37.1 313.2 15 37.1 16.7	25.29858	3: 3: 2: 4: 2: 4: 2: 4: 4: 1: 1: 1: 1:					-	es	
1 2 3 5 5 6 6 7 7 8 9 0 0 1 1 2 2 3 3 4	24.2 16.7 17.1 16.7 19.8 22.6 17.1 37.1 19.9 17.1 24.7 18.2 22.4 17.9	020036R 020036R 020040R 020041R 020042R 020047R 020047R 020047R 020047R 020047R 020047R 020047R 020047R 020047R 020051R	Mean Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minim um Maximum Sum Count Largest(1) Smallest(1)	20.88 1.363894983 19.8 17.1 5.282342554 27.90314286 6.24050597 2.243801475 20.4 16.7 37.1 313.2 15 37.1 16.7	25.29858	3: 3: 2: 4: 2: 4: 2: 4: 4: 1: 1: 1: 1:					-	es	
1 2 3 5 5 6 6 7 7 8 9 0 0 1 1 2 2 3 3 4	24.2 16.7 17.1 16.7 19.8 22.6 17.1 37.1 19.9 17.1 24.7 18.2 22.4 17.9	020036R 020036R 020040R 020041R 020042R 020047R 020047R 020047R 020047R 020047R 020047R 020047R 020047R 020047R 020051R	Mean Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minim um Maximum Sum Count Largest(1) Smallest(1)	20.88 1.363894983 19.8 17.1 5.282342554 27.90314286 6.24050597 2.243801475 20.4 16.7 37.1 313.2 15 37.1 16.7	25.29858	3: 3: 2: 4: 2: 4: 2: 4: 4: 1: 1: 1: 1:		Univ		• Scatte	erplot •		20
1 2 3 5 5 6 6 7 7 8 9 0 0 1 1 2 2 3 3 4	24.2 16.7 17.1 16.7 19.8 22.6 17.1 37.1 19.9 17.1 24.7 18.2 22.4 17.9	020036R 020036R 020040R 020041R 020042R 020047R 020047R 020047R 020047R 020047R 020047R 020047R 020047R 020047R 020051R	Mean Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minim um Maximum Sum Count Largest(1) Smallest(1)	20.88 1.363894983 19.8 17.1 5.282342554 27.90314286 6.24050597 2.243801475 20.4 16.7 37.1 313.2 15 37.1 16.7	25.29858	3: 3: 2: 4: 2: 4: 2: 4: 4: 1: 1: 1: 1:			ariante	Scatte	erplot	es 	20
1 2 3 5 5 6 6 7 7 8 9 0 0 1 1 2 2 3 3 4	24.2 16.7 17.1 16.7 19.8 22.6 17.1 37.1 19.9 17.1 24.7 18.2 22.4 17.9	020036R 020036R 020040R 020041R 020042R 020047R 020047R 020047R 020047R 020047R 020047R 020047R 020047R 020047R 020051R	Mean Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minim um Maxim um Sum Count Largest(1) Smallest(1)	20.88 1.363894983 19.8 17.1 5.282342554 27.90314286 6.24050597 2.243801475 20.4 16.7 37.1 313.2 15 37.1 16.7	25.29858	3: 3: 2: 4: 2: 4: 2: 4: 4: 1: 1: 1: 1:		Univ	ariante	• Scatte	erplot		20
1 2 3 5 5 6 6 7 7 8 9 0 0 1 1 2 2 3 3 4	24.2 16.7 17.1 16.7 19.8 22.6 17.1 37.1 19.9 17.1 24.7 18.2 22.4 17.9	020036R 020036R 020040R 020041R 020042R 020047R 020047R 020047R 020047R 020047R 020047R 020047R 020047R 020047R 020051R	Mean Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minim um Maxim um Sum Count Largest(1) Smallest(1)	20.88 1.363894983 19.8 17.1 5.282342554 27.90314286 6.24050597 2.243801475 20.4 16.7 37.1 313.2 15 37.1 16.7	25.29858	3: 3: 2: 4: 2: 4: 2: 4: 4: 1: 1: 1: 1:		Univ	ariante	Scatte	erplot		20
1	24.2 16.7 17.1 16.7 19.8 22.6 17.1 37.1 19.9 17.1 24.7 18.2 22.4 17.9	020036R 020036R 020040R 020041R 020042R 020047R 020047R 020047R 020047R 020047R 020047R 020047R 020047R 020047R 020051R	Mean Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minim um Maxim um Sum Count Largest(1) Smallest(1)	20.88 1.363894983 19.8 17.1 5.282342554 27.90314286 6.24050597 2.243801475 20.4 16.7 37.1 313.2 15 37.1 16.7	25.29858	3: 3: 2: 4: 2: 4: 2: 4: 4: 1: 1: 1: 1:		Univ	ariante	Scatte	erplot • • 1		20

	Miner	al Asse	ssments	s - 2002	Field	work															
			emistry:				Analys	is: GF	ROUP	1DA - 30).0 GI	VI									
	Acme	Analyt	ical Lab	oratory	- Duj	olicate	Chec	ks													
		tical Re						·											ļ		
																			_		
ELEMENT					Ag	Ni			Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca %	P %	La
SAMPLES	ppm	ppm	ppm	ppm	ppm	ррт	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ррт	ppm	ppm	ppm	%	70	ppm
RE 97658	0.2	30.4	34.2	141	0.1	50.9	20.8	974	5.08	3.6	1.5	2.2	17.2	15	0.4	0.1	0.3	5 71	0.38	0.06	37
97658	0.2	30.5	34.6	143	0.1	50.1	20.6		5.36	3.2						0.1	0.3	72	0.37	0.059	32
57050	0.0		01.0																		
RE 176424	0.6	5		17	< .1	8.6			1.52	2.4	0.4					0.2					
176424	0.6	4.7	5.6	17	< .1	7.6	3.7	807	1.47	2.5	0.4	0.9	5.2	6	0.1	0.2	< .1	6	0.32	0.012	3
				1	L											0.4		49	0.73	0.024	3
RE 176525	0.3	9.9	3.4	37	< .1	34.8			1.67	1.2	0.2	1		1				-			_
176525	0.3	9.8	3.6	39	< .1	37.5	12.1	312	1.68	1.4	0.3		1.0	20	×.1	0.5	0.1		0.75	0.020	
RE 97678	4	8.8	1.7	24	0.2	11.5	0.9	66	0.42	6.2	0.7	< .5	0.3	34	0.2	0.3	< 1	1 7	0.54	0.051	4
97678	3.9	9.2	1.7	26		11.9				6.5	-			1			< .1	1 7	0.56	0.051	4
												<u> </u>									
RE 344232	6.6	132.8			1.1	2			1.52	1.4										0.004	
344232	6.8	134.7	77.9	145	1.1	1.8	2	58	1.54	1.7	1.3	9.9	9.9	5	0.5	0.5	0.7	7 3	8 0.11	0.005	10
										105.0					A 5		1.2	2 2	2 0.01	0.005	i 3
RE 97184	12.3	69.7	1659.5			3			1.54	195.3 189.8									0.01		
97184	12.1	68.5	1603.6	258	14.4	3	1.2	42	1.40	109.0	0.0	27.0	5 1.0		1.0	2.1	1.4	• '	0.02	0.004	
RE 97704	1.7	76.7	942.4	733	0.9	2.4	5.9	120	2.43	1.4	0.4	1.6	5 2.1	71	6.5	5 0.1	0.9	3 35	5 0.68	0.056	8 8
97704		78.1	992.7	730												6 0.1	1.1	1 36	6 0.67	0.058	8 8
RE 176465	0.6	57.6	2558.7	4160					2.09						1						
176465	0.8	58.7	2505.4	4033	7.9	3.9	6	757	2.03	2119.5	0.1	393.8	3 0.1	64	12.6	5 2061	0.	1 45	5 7.85	0.009	1
															2 < .1	4.3	3 < .	4 5	5 0.17	0.034	
RE 140392						1.7									-				5 0.17		
140392	1.1	2.9	6.3	29	0.1	1.4	2.2	32	4.7	· · · ·	0.	3.5	0.4	r		4.	·	· · · ·	- 0.17	0.000	
RE 344220	0.8	10.1	9.1	27	′ < .1	4.8	1.9	131	1.09	4.1	0.2	2 < 5	5 3.3	3 3	3 < .1	0.1	0.	1 5	5 0.06	0.018	3 2
344220																		_	5 0.06		
011220					1						1										
RE 56535	7.6	86.3	1145.9		-	22		-											1 10.65		
56535	7.4	82	1087	99999	8.7	21.1	11.3	788	1.44	306	3.2	2 2.4	i 0.1	63	3 962. ⁻	1 18.5	5 <.	1 4	4 10.49	0.015	5 < 1

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											,				
ELEMENT		v	Ва				Na	К	W	Hg	Sc	TI	S	Ga	Work
SAMPLES	ppm	%	ррт	%	ррт	%	%	%	ppm	ppm	ppm	ppm	%	ррт	Order
DE 07050	445.4	- 0.00	400	0.44		0.55	0.004	0.00	0.5	1.04			1.05		0000005
RE 97658 97658	115.4 116.8	2.08 2.1	168 175	0.11 0.108	<u><1</u> 1	3.55 3.54	0.061 0.057	0.63	0.5 0.2	< .01 < .01 0.01	8.9 8.5	0.2		14 · 13	020036F 020036F
97058	110.0	2.1	175	0.100	•	3.04	0.057	0.0	0.2	0.01	0.5	0.2	<.05	. 13	0200306
RE 176424	172	0.11	49	0.004	1	0.4	0.017	0.06	0.1	0.01	3	< .1	< .05	1	020042F
176424	173.8	0.11	49	0.004	< 1	0.37	0.02		0.1	< .01	2.7	< .1	< .05	1	
RE 176525	151	0.88	402	0.111	1	1.17	0.026		0.2	< .01	4	< .1	< .05		
176525	148.8	0.87	388	0.112	1	1.15	0.036	0.01	0.2	< .01	4.5	< .1	< .05	7	020040F
	0.10.1		000	0.004		0.00		0.00		0.00	0.0				0000445
RE 97678 97678	240.1	0.29	366 353	0.001	2	0.06	0.001	0.02	0.1	0.09	0.6	<.1 <.1			020041F
9/0/0	232.2	0.29	303	0.001	3	0.07	0.001	0.02	0.1	0.09	0.5	<u> </u>	< .05		020041F
RE 344232	97.7	0.04	15	0.004	1	0.2	0.037	0.12	0.2	0.04	0.4	· 0.1	< .05	1	020047F
344232	99.4	0.04	15	0.004	1	0.2	0.038		0.2	0.01	0.5	0.1		1	
RE 97184	158.2	0.01	154	0.001	< 1	0.16	< .001	0.14	0.2	0.07	0.2	< .1	0.4	1	020047F
97184	153.7	0.01	153	0.001	< 1	0.15	0.002	0.14	0.2	0.07	0.2	< .1	0.38	1	020047F
RE 97704	82.6	0.64	120	0.073	< 1	1.54	0.163		< .1	< .01	3.5	0.1			
97704	83.4	0.66	133	0.075	< 1	1.61	0.165	0.37	< .1	< .01	3.9	0.1	0.79	5	020047F
RE 176465	125.7	0.55	27	0.004	2	0.83	0.007	0.08	0.3	0.68	6.7	<.1	0.52	3	020048F
176465	125.7	0.55	26	0.004	2	0.82	0.007		0.3			<.1			
		0.01				5.02	0.000	0.07	<u> </u>	0.00			0.01	†—– –	
RE 140392	84.5	0.05	20	< .001	1	0.27	0.027	0.14	< .1	0.4	0.5	0.5	4.67	1	020051F
140392	78.6	0.04	21	< .001	< 1	0.24	0.024			0.35	0.4	0.5	4.42		
RE 344220	166.6	0.11	54	0.001	1	0.38	0.004	0.01	< .1	0.02		< .1			
344220	171.9	0.11	54	0.001	1	0.38	0.004	0.01	< .1	0.02	0.6	< .1	< .05	2	020051F
DE SESOS	7 ~	6.40	40	0.001	a	0.04	0.005	0.04		040.0	4.0		0.40		0000545
RE 56535 56535	7.5 6.3	6.43 6.31	46 47	0.001	1	0.04	0.005		0.2			0.9			020051F 020051F
00000	0.3	0.31	4/	0.001	<u> </u>	0.04	0.005	0.01	0.2	241.29	1.7	0.0	0.13	28	0200516

Rock - Acme Analytical lab. - Duplicate Check Results

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Mineral Assessments 2002 Fieldwork

Rock Samples; Acme Lab Duplicate pairs (1 sam ple, 2 splits), n=11 pairs.

*Mean Percentage Di fference MPD=assay 1-assay 2/((assay 1+assay 2)/2)*100

	Cu ppm_1	Cu ppm_2	WO#	MPD*
1	30.4	30.5	020036R	0
2	9.9	9.8	020040R	1
3	8.8	9.2	020041R	4
4	5	4.7	020042R	6
5	132.8	134.7	020047R	1
6	69.7	68.5	020047R	2
7	76.7	78.1	020047R	2
8	57.6	58.7	020048R	2
9	3	2.9	020051R	3
10	10.1	10.8	020051R	7
11	86.3	82	020051R	5

Pb ppm_1 Pb ppm_2 WO#

34.6

5.6

3.6

1.7

77.9

1603.6

992.7

2505.4

6.

9.1

1087

34.2

5.8

3.4

1.7

.77.9

1659.5

942.4

2558.7

1145.9

6.5

9.1

2

3

4

5

6 7

8 9

10 11 MPD*

020036R

020040R

020041R

020042R

020047R

020047R

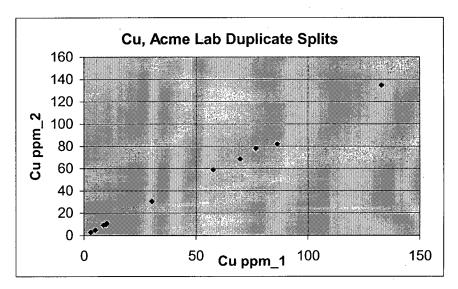
020047R

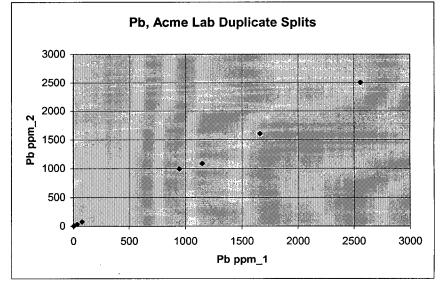
020048R

020051R

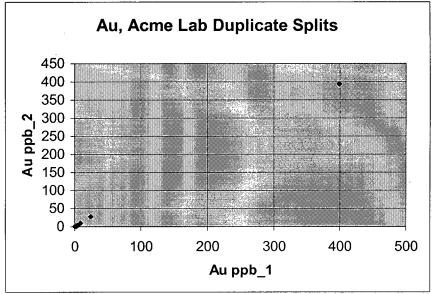
020051R

020051R





	Au ppb_1	Au ppb_2	WO#	MPD*
1	2.2	0.6	020036R	114
2	0.9	0.9	020040R	0
3	0.025	0.025	020041R	0
4	0.025	0.025	020042R	0
5	8.6	9.9	020047R	14
6	24	27.6	020047R	14
7	1.6	0.9	020047R	56
8	399.1	393.8	020048R	1
9	4.3	· 3.5	020051R	21
10	0.025	0.025	020051R	0
11	2	2.4	020051R	18



Most elements for all the splits correlated very closely (visually <10% difference).

	Mine	ral Ass	essm	ents -	2002	Fieldv	vork																	
	Rock	Geoch	nemis	try: A	cme A	nalyti	cal; A	nalys	is: GR	OUP	1DA -	30.0 0	SM											
	Acme	e Analy	tical l	_abor	atory	Stand	ards (DS4)										-						
	Analy	tical R	esult	S																				
	Мо	Си	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	Р	La	Cr	Mg	Ва
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm _	%	ppm
stan DS4	6.7	121.6	31.6	152	0.3	35	11.4	763	3.09	23.3	6.5	27.8	3.7	30	5.1	5	5.3	73	0.5	0.086	15	160.5	0.55	144
stan DS4	6.7	121.6	31.6	152	0.3	35	11.4	763	3.09	23.3	6.5	27.8	3.7	30	5.1	5	5.3	73	0.5	0.086	15	160.5	0.55	144
stan DS4	7.1	122.4	32.8	158	0.2	36.4	12.1	843	3.26	23.9	6.3	30.4	3.7	31	, 5.2	5.2	5.5	78	0.55	0.097	17	166.6	0.59	146
stan DS4	7.2	123.2	. 32.3	154	0.3	33.8	11.5	813	3.12	23.3	6.6	26	3.6	30	5.2	5	5.3	74	0.58	0.095	17	156.8	0.59	144
stan DS4	6.6	125.6	28.8	158	0.3	33.5	11.6	771	3.18	21.2	6.1	24.9	3.5	27	4.9	4.6	4.9	74	0.51	0.085	16	166.8	0.55	138
stan DS4	6.7	121.8	30.8	156	0.3	34.2	11.8	819	3.19	22.5	6.1	25.2	3.6	28	5	4.9	5	74	0.52	0.083	16	164	0.58	
stan DS4	7.1	122.9	30.6	5 161	0.2	34.4	11.9	847	3.19	22.5	6.2	27	3.9	32	4.8	4.8	4.8	78	0.56	0.086	17	175.9	0.6	145
stan DS4	6.8	123.2	29.3	162	0.2	35.3	11.6	770	3.17	21	6	24.2	3.9	30	5.1	4.9	4.8	79	0.55	0.082	18	172.5	0.56	
stan DS4	6.9	126	30.4	161	0.2	35.5	12.5	777	3.25	23	6.3	26	3.6	29	5.1	5.1	4.9	74	0.54	0.083	16	168.2	0.6	137
stan DS4	6.8	122.2	29.1	160	0.3	34.4	12.3	826	3.18	22.1	6.2	25.4	3.9	32	5.1	5	4.9	78	0.56	0.082	. 19	177.5	0.59	140
stan DS4	6.9	126	30.4	161	0.2	35.5	12.5	777	3.25	23	6.3	26	3.6	29	5.1	5.1	4.9	74	0.54	0.083	16	168.2	0.6	137
stan DS4	6.3	120.7	28.6	6 150	0.3	35.4	11.3	812	3.21	21.2	5.9	26.4	3.6	27	5	4.7	4.8	74	0.49	0.086	15	159.9	0.57	136

					-							
	Ti	В	Al	Na	К	W	Hg	Sc	TI	S	Ga	Work
SAMPLES	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	Order
stan DS4	0.09	1	1.6	0.036	0.15	4.1	0.28	3.5	1.1	< .05	6	020040R
stan DS4	0.09	1	1.6	0.036	0.15	4.1	0.28	3.5	1.1	< .05	6	020042R
stan DS4	0.095	3	1.63	0.032	0.16	4.2	0.29	3.7	1.1	0.08	6	020036R
stan DS4	0.095	2	1.68	0.035	0.17	4.2	0.27	4.1	1.2	< .05	7	020041R
stan DS4	0.082	2	1.69	0.029	0.14	4.2	0.26	3.5	1.1	0.06	5	020047R
stan DS4	0.083	1	1.7	0.031	0.16	4.2	0.29	3.6	1.1	0.07	6	020047R
stan DS4	0.095	1	1.81	0.033	0.17	3.5	0.26	3.9	1.1	0.06	6	020047R
stan DS4	0.095	2	1.74	0.031	0.16	3.8	0.26	3.8	1.1	0.07	6	020048R
stan DS4	0.092	2	1.74	0.03	0.15	3.8	0.26	3.7	1.1	0.07	6	020049R
stan DS4	0.092	1	1.77	0.032	0.17	3.7	0.28	4	1.1	< .05	6	020051R
stan DS4	0.092	2	1.74	0.03	0.15	3.8	0.26	3.7	1.1	0.07	6	020051R
stan DS4	0.088	2	1.65	0.032	0.14	3.8	0.27	3.6	1.1	< .05	6	020051R

Rock, Acme Analytical Lab - standard (DS4) - Results

Energy Mines and Resources, Yukon Geology Program

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	Mine	ral As	sessm	nents	- 2002	2 Field	work								1						1]
	Soil a	and St	ream	Sedin	nent (Geoch	emist	ry: Ac	me Ar	alytica	al; An	alysis	GRC	OUP 1	DA - 3	30.0 G	M						
	Cann	net (st	sd-3)	Samp	les -	Analy	tical R	esults	5														
	Мо	Cu	Pb	Zn	Ag	Ni	Со	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	v	Са	Р	La	Cr	Mg
SAMPLE	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%
176414F	6.1	35.3	41.6	169	0.4	26.8	15	2482	3.07	25.3	8.3	4.7	1.3	66	0.9	2.8	1.4	49	1.22	0.141	23	32.1	0.77
176436F	5.8	37.3	41.2	172	0.4	25.6	13.9	2604	2.97	23.1	8.1	2.1	1.6	71	1.1	2.7	1.4	48	1.19	0.134	22	32.2	0.72
176270F	6.2	39.3	42.2	189	0.5	27.4	13.4	2417	2.89	22.1	9.2	4.3	1.7	66	1	2.8	1.5	54	1.25	0.136	25	32.4	0.72
176457F	5.8	58.1	35.4	174	0.4	25.6	12.8	2336	2.9	23.7	6.7	18.3	1.1	61	1.1	2.6	1.3	46	1.14	0.127	21	29.3	0.68
97158F	6.4	38.7	44.4	190	0.4	31	14.7	2626	3.24	29.4	8.9	0.7	1.5	67	1.1	3.1	1.6	57	1.27	0.148	25	33.3	0.83
97711F	5.9	39.3	45.2	192	0.5	30.6	15.2	2776	3.16	25.3	9.4	1.8	1.5	67	1.1	2.9	1.4	56	1.24	0.147	24	34.4	0.76
140355F	5.9	36.1	37.4	185	0.4	27	14.3	2638	3.08	24	7.9	2.8	1.3	66	1.2	2.8	1.3	54	1.2	0.141	25	34.7	0.76
176385F	5.7	37.3	43.5	180	0.4	28.4	14.6	2555	3.17	24.3	8.1	3.1	1.8	66	1.1	2.6	1.4	54	1.29	0.135	24	32.3	0.78
343863F	5.4	35.7	37.1	168	0.4	25	13	2426	2.89	22.2	7.6	3.8	1.4	61	0.9	2.8	1.3	48	1.15	0.118	23	28.2	0.71
344236F	8	47.4	52.1	234	0.5	34.9	18.3	3167	3.89	33.7	10.1	5.8	1.8			3.6	1.8			0.173		39.9	0.96
56424F	5.9	33	38.1	173	0.4	25.7	13.5	2195	2.83	21.3	7.8	29.7	1.5	60	0.9	2.2	1.2	47	1.12	0.105	22	26.3	0.71
56458F		38	43.7	177	0.4	27.6	14.2	2628	-	27	8.1	5.2	1.5		1	2.8	1.4		-	0.14		31.8	
56551F	6.2	38.3	40.7	182	0.3		14.5	2635		24	8.1	2	1.4			2.7	1.4					31.5	
97192F		39.4	40.7	180	0.4		13.5		2.97	25	8.3	2.9	1.3		1.1	2.8	1.4			0.148			
97724F	6.1	35.1	40.5	178	0.4	27	14	2503	3	24.1	7.9	2.8	1.8	66	1.1	2.6	1.3	50	1.22	0.136	23	31.5	0.76

														· · · ·
	Ва	Ti	В	AI	Na	к	w	Hg	Sc	ТІ	S	Ga	Sample	Work
SAMPLE	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	gm	Order
176414F	561	0.032	5	1.52	0.031	0.13	1.1	0.08	3.4	0.2	0.15	5	[020042S
176436F	539	0.029	5	1.43	0.027	0.11	1.2	0.06	3.2	0.2	0.11	5		020042S
176270F	635	0.032	5	1.57	0.031	0.13	0.9	0.08	3.7	0.2	0.17	5		020040S
176457F	524	0.029	5	1.45	0.026	0.11	1.1	0.06	3	0.2	0.14	5		20036S
97158F	698	0.042	6	1.6	0.036	0.15	1.1	0.07	3.5	0.2	0.19	6		20036S
97711F	583	0.033	6	1.5	0.031	0.13	1.2	0.08	3.5	0.3	0.13	5		020041S
140355F	618	0.031	6	1.46	0.03	0.12	0.9	0.07	3.4	0.3	0.26	5		020051S
176385F	578	0.032	4	1.53	0.03	0.14	1.1	0.09	3.6	0.2	0.13	5	7.5	020047S
343863F	585	0.035	6	1.51	0.023	0.11	1.2	0.06	2.8	0.3	0.13	5	-	020051S
344236F	767	0.037	6	1.94	0.048	0.16	1.8	• 0.11	4.2	0.3	0.18	7	7.5	020047S
56424F	489	0.027	5	1.37	0.025	0.1	1	0.03	3	0.3	0.12	4		020051S
56458F	579	0.028	6	1.58	0.025	0.12	1	0.05	3.7	0.3	0.19	6		020051S
56551F	666	0.033	6	1.48	0.032	0.13	1	0.05	3.3	0.2	0.16	5	7.5	020047S
97192F	607	0.03	5	1.44	0.028	0.13	1.2	0.08	3.2	0.3	0.3	6		020051S
97724F	543	0.026	5	1.49	0.027	0.13	1	0.06	3.4	0.2	0.14	5	7.5	020047S

Canmet stsd-3 Standard - Analytical Results

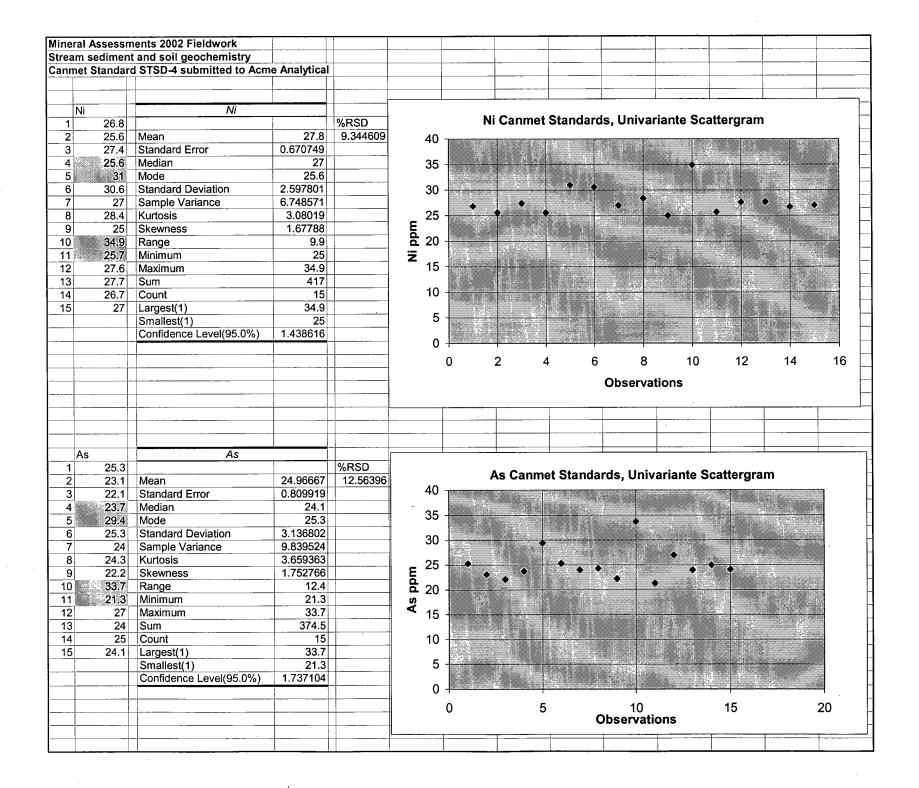
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,	Miner	al Asse	ssmen	ts - 2002	2 Field	work									•			
	Soil a	nd Stre	am Sec	diment (Geoche	emistry	: Acme	Analytica	al; Anal	ysis: G	ROUP	1DA - 3	0.0 GN	Λ				
,,,				nples -					-									
		<u> </u>		•														
Descriptive Statistics	Мо	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
Mean	6.09	39.22	41.59	182.87	0.41	27.80	14.33	2569.33	3.10	24.97	8.30	6.00	1.50	67.47	1.07	2.79	1.41	52.07
Standard Error	0.15	1.58	1.05	4.13	0.01	0.67	0.34	56.39	0.07	0.81	0.21	2.00	0.05	1.71	0.03	0.08	0.04	1.40
Median	. 5.9	38	41.2	180	0.4	27	14.2	2555	3.07	24.1	8.1	3.1	1.5	66	1.1	2.8	1.4	53
Mode	5.9	37.3	40.7	180	0.4	25.6	13.5	#N/A	2.97	25.3	8.1	2.8	1.5	. 66	1.1	2.8	1.4	54
Standard Deviation	0.58	6.13	4.06	15.98	0.05	2.60	1.31	218.38	0.27	3.14	0.82	7.74	0.21	6.63	0.11	0.30	0.14	5.40
Sample Variance	0.34	37.61	16.50	255.27	0.00	6.75	1.70	47689.38	0.07	9.84	0.67	59.89	0.04	43.98	0.01	0.09	0.02	29.21
Kurtosis	9.47	6.63	2.21	7.98	1.40	3.08	6.07	3.63	4.99	3.66	1.02	6.66	-0.60	6.77	0.28	4.24	3.37	1.86
Skewness	2.77	2.44	0.99	2.54	0.28	1.68	2.07	1.19	2.01	1.75	0.51	2.61	0.00	2.23	0.05	1.09	1.53	1.06
Range	2.6	25.1	16.7	66	0.2	9.9	5.5	972	1.06	12.4	3.4	29	0.7	28	0.4	1.4	0.6	21
Minimum	5.4	33	35.4	168	0.3	25	12.8	2195	2.83	21.3	6.7	• 0.7	1.1	60	0.9	2.2	1.2	45
Maximum	8	58.1	52.1	234	0.5	34.9	18.3	3167	3.89	33.7	10.1	29.7	1.8	88	1.3	3.6	1.8	66
Sum	91.3	588.3	623.8	2743	6.2	417	214.9	38540	46.57	374.5	124.5	90	22.5	1012	16	41.8	21.1	781
Count	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
Largest(1)	8	58.1	52.1	234	0.5	34.9	18.3	3167	3.89	33.7	10.1	29.7	1.8	88	1.3	3.6	1.8	66
Smallest(1)	5.4	33	35.4	168	0.3	25	12.8	2195	2.83	21.3	6.7	0.7	1.1	60	0.9	2.2	1.2	45
Confidence Level(95.0%)	0.321	3.396	2.249	8.848	0.029	1.439	0.723	120.934	0.148	1.737	0.454	4.286	0.117	3.673	0.062	0.165	0.080	2.993

Descriptive Statistics	Ca	P	La	Cr	Mg	Ва	Ti	B			К	W	Hg	Sc	TI	S	Ga
	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
Mean	1.24	0.14	23.67	32.03	0.76	598.13	0.03	5.40	1.52	0.03	0.13	1.12	0.07	3.39	0.25	0.17	5.27
Standard Error	0.02	0.00	0.57	0.80	0.02	18.44	0.00	0.16	0.03	0.00	0.00	0.06	0.00	0.09	0.01	0.01	0.18
Median	1.24	0.14	23	32.1	0.76	583	0.032	5	1.5	0.03	0.13	1.1	0.07	3.4	0.2	0.15	5
Mode	1.22	0.141	23	31.5	0.76	#N/A	0.032	5	#N/A	0.031	0.13	1.1	0.08	3.4	0.2	0.13	5
Standard Deviation	0.09	0.02	2.19	3.10	0.07	71.43	0.00	0.63	0.13	0.01	0.02	0.21	0.02	0.34	0.05	0.05	0.70
Sample Variance	0.01	0.00	4.81	9.60	0.00	5101.55	0.00	0.40	0.02	0.00	0.00	0.05	0.00	0.12	0.00	0.00	0.50
Kurtosis	4.96	2.19	4.48	2.52	5.05	1.01	1.65	-0.38	7.93	5.59	0.21	7.63	0.81	1.12	-2.31	2.12	1.84
Skewness	1.72	-0.06	1.66	0.71	1.91	0.91	1.05	-0.55	2.48	2.04	0.39	2.41	0.15	0.51	0.15	1.54	0.99
Range	0.39	0.068	9	13.6	0.28	278	0.016	2	0.57	0.025	0.06	0.9	0.08	1.4	0.1	0.19	3
Minimum	1.12	0.105	21	26.3	0.68	489	0.026	4	1.37	0.023	0.1	0.9	0.03	2.8	0.2	0.11	4
Maximum	1.51	0.173	30	39.9	0.96	767	0.042	6	1.94	0.048	0.16	1.8	0.11	4.2	0.3	0.3	7
Sum	18.61	2.075	355	480.4	11.45	8972	0.476	81	22.87	0.45	1.9	16.8	1.03	50.9	3.7	2.5	79
Count	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
Largest(1)	1.51	0.173	30	39.9	0.96	767	0.042	6	1.94	0.048	0.16	1.8	0.11	4.2	0.3	0.3	7
Smallest(1)	1.12	0.105	21	26.3	0.68	489	0.026	4	1.37	0.023	0.1	0.9	0.03	2.8	0.2	0.11	4
Confidence Level(95.0%)	0.051	0.008	1.214	1.716	0.037	39.554	0.002	0.350	0.072	0.003	0.009	0.119	0.011	0.190	0.029	0.029	0.390

Mineral Assessme	ents 2002 Fieldwork			
	and soil geochemistry			
Canmet Standard	STSD-4 submitted to Acm	e Analytical		
Canmet Stand	dard xxxxF		%RSD=Pe	rcent Relative Standard Deviation
Silts and soils)			(Standard deviation divided by the mean of assays.)
Au				
1 0.7	Au ppb			
2 1.8			%RSD	Au Commet Stenderde, Universite Seattereren
3 2 1	Mean	6	128.9857	Au Canmet Standards, Univariate Scattergram
4 2.1	Standard Error	1.998237		
5 2.8 1	Median	3.1		35
6 2.8 1	Mode	2.8		30
7 2.9	Standard Deviation	7.73914		25
8 3.1	Sample Variance	59.89429		
	Kurtosis	6.65758		
	Skewness	2.611701		d 20 P 15
	Range	29		10
	Minimum	0.7		
	Maximum	. 29.7		
14 18.3	Sum	90		
15 29.7	Count	15		0 2 4 6 8 10 12 14 16
	Largest(1)	29.7		Observations
	Smallest(1)	0.7		
	Confidence Level(95.0%)	4.285797		·
	· · · · · · · · · · · · · · · · · · ·			
Cu	Cu ppm			Cu Canmet Standards, Univariante Scattergram
1 35.3			%RSD	
	Mean	39.22	15.63672	70
	Standard Error	1.583462		
	Median	38		60
	Mode	37.3		
	Standard Deviation	6.132723		50
	Sample Variance	37.61029		50
	Kurtosis	6.628055		
	Skewness	2.435336		
10 47.4	Range	25.1		
	Minimum	33		3 30
	Maximum	58.1		
	Sum	588.3		20
	Count	15		
	Largest(1)	58.1		10
	Smallest(1)	33		
	Confidence Level(95.0%)	3.396192		
		1	· [0 2 4 6 8 10 12 14 1
				Observations
				Observations

	sments 2002 Fieldwork															
	ent and soil geochemistry															
anmet Stand	ard STSD-4 submitted to Acn	ne Analytica														
Zn	Zn					_	-									
1 16			%RSD			Zn,	Cann	net Sta	andaı	rd, Ur	nivaria	nte S	catter	gram		
2 17		182.8667	8.737003													
3 18		4.125261			250 -								•			
4 17		180			200							•				
5 19		180														
6 19		15.97707			200 -				•							
7 18	•	255.2667					•	•		•	• ·		• •	•	• •	
8 18		7.975992		_	150 -						<u> </u>					
9 16		2.542229		ğ												
10 23		66		Zn ppm												
11 17 12 17	\$2068 <u></u>	168		N	100 -									<u></u>		
12 17		234														
13 18		2743	-		50 -											
14 18 15 17		15				1.00				3						
15 17		234			0											
	Smallest(1)	168			0 -	1	 .	1		l			1		1	
	Confidence Level(95.0%)	8.847813			(0	2	4	6	5	8	10	12		14	16
·										Obse	ervatior	າຣ				
		_														
						Pb	Canm	net Sta	andar	rds, U	Inivaria	ante s	Scatte	ergran	n '	
														-		
Pb	Pb							4.		•				-		
1 41	6		%RSD		60 -		1							-	E	
1 41 2 41	6 2 Mean	41.58667	%RSD 9.767543	(⁶⁰ T									-		
1 41 2 41 3 42	6 2 Mean 2 Standard Error	41.58667 1.048803														
1 41 2 41 3 42 4 35	6 Mean 2 Mean 2 Standard Error 4 Median				60 - 50 -				•				- Andrew Andrew			
1 41 2 41 3 42	6 Mean 2 Mean 2 Standard Error 4 Median 4 Mode	1.048803 41.2 40.7		:		•			•	3						•
1 41 2 41 3 42 4 35 5 44 6 45	6 Mean 2 Mean 2 Standard Error 4 Median 4 Mode 2 Standard Deviation	1.048803 41.2 40.7 4.061996		:	50 -	•										•
1 41 2 41 3 42 4 35 5 44 6 45 7 37	 6 2 Mean 2 Standard Error 4 Median 4 Mode 2 Standard Deviation 4 Sample Variance 	1.048803 41.2 40.7 4.061996 16.49981		:	50 -						•					•
1 41 2 41 3 42 4 35 5 44 6 45 7 37 8 43	6 Mean 2 Mean 2 Standard Error 4 Median 4 Mode 2 Standard Deviation 4 Sample Variance 5 Kurtosis	1.048803 41.2 40.7 4.061996 16.49981 2.209327		:	50 + 40 -											
1 41 2 41 3 42 4 35 5 44 6 45 7 37 8 43 9 37	 6 2 Mean 2 Standard Error 4 Median 4 Mode 2 Standard Deviation 4 Sample Variance 5 Kurtosis 1 Skewness 	1.048803 41.2 40.7 4.061996 16.49981 2.209327 0.986889	9.767543	Pb ppm	50 + 40 -	♦										
1 41 2 41 3 42 4 35 5 44 6 45 7 37 8 43 9 37 10 52	6	1.048803 41.2 40.7 4.061996 16.49981 2.209327 0.986889 16.7	9.767543	Pb ppm	50 - 40 - 30 -				•							
1 41 2 41 3 42 4 35 5 44 6 45 7 37 8 43 9 37 10 52 11 38	6	1.048803 41.2 40.7 4.061996 16.49981 2.209327 0.986889 16.7 35.4	9.767543	Pb ppm	50 - 40 - 30 -				•							
1 41 2 41 3 42 4 35 5 44 6 45 7 37 8 43 9 37 10 52 11 38 12 43	6 Mean 2 Standard Error 4 Median 4 Mode 2 Standard Deviation 4 Sample Variance 5 Kurtosis 1 Skewness 1 Range 1 Minimum 7 Maximum	1.048803 41.2 40.7 4.061996 16.49981 2.209327 0.986889 16.7 35.4 52.1	9.767543	Pb ppm	50 - 40 - 30 - 20 -											
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	6 Mean 2 Standard Error 4 Median 4 Mode 2 Standard Deviation 4 Sample Variance 5 Kurtosis 1 Skewness 1 Range 1 Minimum 7 Maximum 7 Sum	1.048803 41.2 40.7 4.061996 16.49981 2.209327 0.986889 16.7 35.4 52.1 623.8	9.767543	Pb ppm	50 - 40 - 30 - 20 -											
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	6	1.048803 41.2 40.7 4.061996 16.49981 2.209327 0.986889 16.7 35.4 52.1 623.8 15	9.767543	Pb ppm	50 + 40 - 30 - 20 - 10 -									2	14	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	6 Mean 2 Mean 2 Standard Error 4 Median 4 Mode 2 Standard Deviation 4 Sample Variance 5 Kurtosis 1 Skewness 1 Range 1 Minimum 7 Maximum 7 Count 5 Largest(1)	1.048803 41.2 40.7 4.061996 16.49981 2.209327 0.986889 16.7 35.4 52.1 623.8 15 52.1	9.767543	Pb ppm	50 - 40 - 30 - 20 - 10 -		2	4	•	÷	8	10		2		•
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	6	1.048803 41.2 40.7 4.061996 16.49981 2.209327 0.986889 16.7 35.4 52.1 623.8 15	9.767543	Pb ppm	50 + 40 - 30 - 20 - 10 -				• •	÷		10		2	14	•



		ral Ass																					
	Soil	and Str	eam S	edim	ent G	eoche	mistry	/: Acn	ne Ana	alytica	il; Ana	alysis:	GRC)UP 1	DA - 3	80.0 G	M						
	Acm	e Analy	tical L	ab	Inhou	se Sta	andaro	d (DS	4) Ana	alytica	I Res	ults											
							1				12												
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ELEMENT	Мо	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Са	P	La	Cr	Mg
SAMPLES	ppm	ppm		ppm	ppm	ppm	ppm	ppm	%		-			ppm	ppm		ppm		%	%		opm	%
Stan DS4		126.5		162		37.1	12.8	846	3.26			27.8	3.7		5.5	4.7	5	•••	0.57	0.093	16	165.8	
Stan DS4		123.4	28.8	160		35.1	11.7	785	3.07	20.8	6		3.5	-	5.3	5.1	5	75	0.59	0.083	17	165.4	0.52
Stan DS4	6.5		33.1	147	0.3	35.7	12	833	3.15	22.2	6.3		3.7		5.4	5			0.53	0.092	15	157.1	0.58
Stan DS4	6.7	124.8	32.1	152		35.4	11.9	763	3.02	23.1	6.9		3.5		5		5.5		0.54	0.089	16	164.2	
Stan DS4		124.6		151	0.3	35.1	12.3	832	3.26	23.3	6.6		3.5		5.4	5.4	5.5		0.53	0.095	16	163.6	
Stan DS4	6.3		32.7	155		33.9	11.3	797	3.07	23.6	6.7	24.4	3.8		5.2	5.3	5.3		0.52	0.097	16		
Stan DS4			32.8	159		36.1	12.2	817	3.28	24	6.4	30	3.8		5.7	5.4	5.7	73	0.55	0.093	17	172.2	
Stan DS4	6.5		31.9	154		33.7	12.1	838	3.17	23.2	6.5	27.7	3.8		5.5	5.2	5.3	75	0.54	0.095	17	164.2	1
Stan DS4	6.7	125.6	32.3	153		33.4	11.2	775	3.07	23.2	6.3	29.7	3.9		5.4	5.2	5.5	71	0.53	0.089	16	163.6	
Stan DS4	6.5	121.3	31.9	159	0.3	35.6	11.8	803	3.2	22.9	6.4	29	3.9	30	5.3	5.1	5.3	75	0.56	0.092	16	160.7	0.58
Stan DS4	6.8	124.6	31.2	156	0.3	33.1	11.7	813	3.11	22.6	6.1	29	3.8	30	5.5	4.9	5.2	76	0.54	0.09	17	158.2	0.59
Stan DS4	6.8	124.7	31.2	157	0.2	34.5	12.3	829	3.11	23.5	6.4	29	3.5	30	5.6	5	5.3	76	0.51	0.099	16	157.3	0.58
Stan DS4	6.7	122.9	31.2	155	0.3	35.1	12.3	845	3.17	23.5	6.3	27.1	3.6	28	5.3	4.9	5.1	73	0.53	0.093	15	157	0.57
Stan DS4	6.7	127.4	31.2	160	0.4	35.6	12.2	830	3.19	24.7	6.4	25.8	3.6	31	5.6	4.9	5.3	75	0.56	0.095	16	156.6	0.6
Stan DS4	6.6	125.6	32.2	161	0.3	36.6	12.3	838	3.2	23.6	6.3	27.1	3.9	31	5.3	5.1	5.1	79	0.54	0.095	17	164	0.6
Stan DS4	7	128.7	30.8	157	0.3	35.7	12.1	836	3.18	24	6.3	29.8	3.6	32	5.4	4.8	5.2	78	0.54	0.098	16	158.2	0.6
Stan DS4	6.6	129.5	31.2	157	0.3	35.2	12.1	833	3.16	23	6	25.4	3.6	30	5.3	4.9	5	77	0.52	0.09	16	158.1	0.57
Stan DS4	6.5	127	32	161	0.3	35.4	12.4	828	3.08	23.9	6.1	26.6	3.6	30	5.3	4.9	5.2	75	0.52	0.096	16	159.1	0.59
Stan DS4	6.7	127.8	. 31	152	0.3	34.5	12.1	812	3.17	22.9	6.4	28.4	3.6		5.4	4.8	5.2	71	0.53	0.093	15	158.1	0.59
Stan DS4	6.7	127.8	31.1	157	0.3	34.5	12.1	812	3.17	22.9	6.1	29.5	3.6	27	5.4	4.6	5	71	0.53	0.093	15	166.7	0.59
Stan DS4	6.7	127.8	31	152	0.3	34.5	12.1	812	3.17	22.9	6.4	28.4	3.6	27	5.4	4.8	5.2	71	0.53	0.093	15	158.1	0.59
Stan DS4	6.8	124.5	30.5	160	0.3	35.3	11.9	761	3.19	21.5	6.4	29.6	3.6	28	5.1	4.7	4.9		0.51	0.079	17	163.7	0.58
Stan DS4	6.4	127.3	30.6	151	0.3	32.4	11.3	802	3.34	24.3	6.1	26.9	3.5	29	5.7				0.54	0.096	14	166	
Stan DS4	6.6	131.1	30.2	159	0.3	33.5	12.1	797	3.2	23.2	6.4	26.7	3.7		5.4		5.2		0.54	0.096	16	165.9	0.57
Stan DS4	6.9	128.6	29.8	160	0.3	35.4	12.5	840	3.25	23.3	6.4	27.7	3.8	29	5.5	5.1	5.3	79	0.54	0.099	18	167.6	0.61
Stan DS4	6.5	127.5	29	153	0.3	33.3	11.3	793	3	21.1	6.1	24.9	3.7		5.4	1			0.52	0.081	16		
Stan DS4	6.5	127.7	29.2	151	0.3	33.5	11.5	807	3.16	21,1	6	26	3.6	27	5.2	4.9	5	72	0.5	0.087	16	164.6	0.55

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					Na	K	W	Hg	Sc	TI	S	Ga	Sample	Work
_	•••	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	gm	Order
Stan DS4	145	0.092	1	1.66	0.035	0.16	3.6	0.25				6		0200405
Stan DS4	145	0.093	1	1.69	0.032	0.16	3.7	0.26	3.6	1	0.05			020040S
Stan DS4	144	0.09	2	1.67	0.033	0.16	4.2	0.26			0.06			020042S
Stan DS4	142	0.096	1	1.61	0.036	0.17	3.9	0.27	4		0.05			020042S
Stan DS4	146	0.09	1	1.77	0.033	0.16	4	0.28	3.6		0.05			020042S
Stan DS4	148	0.094	2	1.78	0.037	0.17	4.1	0.28	3.8		0.06	-		020041S
Stan DS4	157	0.104	2	1.72	0.037	0.18	4.2	0.28			0.05			200365
Stan DS4	138	0.098	2	1.68	0.033	0.18	4.3	0.29			0.06		i	200365
Stan DS4	143	0.091	2	1.74	0.033	0.16	4.2	0.3	3.6	1.2			i	200365
Stan DS4	137	0.092	1	1.71	0.038	0.18	4.2	0.28	3.9	1.1		-		
Stan DS4	139	0.091	2	1.72	0.038	0.18	4	0.28	3.8	1.1	0.05	6	30	0200475
Stan DS4	145	0.091	1	1.66	0.037	0.16	4.2	0.27	3.4	1.1	0.07	6	30	0200475
Stan DS4	137	0.085	1	1.7	0.034	0.16	4	0.28	3.7	1.1	0.06	6	30	0200475
Stan DS4	151	0.088	2	1.69	0.037	0.16	4.2	0.29	3.5	1.1	0.05	6	30	0200475
Stan DS4	141	0.098	3	1.8	0.041	0.18	4.2	0.3	3.7	1.1	0.05	6	30	0200475
Stan DS4	143	0.091	2	1.75	0.037	0.16	4.1	0.28	3.7	1.1	0.05	6	30	0200475
Stan DS4	139	0.088	2	1.7	0.037	0.17	3.9	0.27	3.6	1.1	0.05	6	30	0200475
Stan DS4	142	0.081	1	1.73	0.034	0.17	4.2	0.28	3.8	1.1	0.07	6	30	0200475
Stan DS4	143	0.087	3	1.69	0.038	0.17	4.3	0.27	3.7	1.1	0.07	6	30	0200475
Stan DS4	143	0.087	3	1.69	0.033	0.16	4.1	0.26	3.8	1.1	0.06	6	5	0200485
Stan DS4	143	0.087	3	1.69	0.038	0.17	4.3	0.27	3.7	1.1	0.07	6	6	0200495
Stan DS4	135	0.085	1	1.7	0.03	0.14	4.4	0.27	3.8	1.2	0.06	6	3	0200515
Stan DS4	147	0.085	2	1.82	0.032	0.16	4.2	0.27	3.9				-	0200515
Stan DS4	146	0.087	1	1.67	0.033	0.16	4.3	0.28						0200515
Stan DS4	143	0.081	1	1.75	0.032	0.16	4	0.29				-		0200515
Stan DS4	140	0.087	2	1.75	0.028	0.14	3.9	0.27						0200515
Stan DS4	140	0.086		1.73	0.028	0.14		0.29					-	0200515

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	Minera	I Assess	ments	- 2002 F	Fieldw	ork											
	Soil ar	d Stream	n Sedir	nent Ge	ochen	nistry: /	Acme A	nalytica	al; Ana	lysis: G	ROUP	1DA - 3	0.0 GN	Л			
	Acme	Analytica	al Lab.	- Inhous	se Star	ndard (DS4)										
	Descri	ptive Sta	tistics														
	Mo	Cu	Pb	Zn	Aq	Ni	Со	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi
Descriptive Statistics	ppm		ppm		ry ppm			ppm	%		-	ppb	ppm	ppm	ppm		ppm
Mean	6.65	126.35	31.09	155.96	0.30	34.79	11.99	813.96	3.16	22.96	6.31	27.63	3.67	28.15	5.39	4.98	5.23
Standard Error	0.04	0.41	0.25	0.76	0.01	0.22	0.08	4.65	0.02	0.19	0.04	0.33	0.03	1.08	0.03	0.04	0.04
Median	6.7	126.5	31.2	157	0.3	35.1	12.1	813	3.17	23.2	6.3	27.7	3.6	29	5.4	4.9	5.2
Mode	6.7	127.8	31.2	160	0.3	34.5	12.1	812	3.17	22.9	6.4	29	3.6	30	5.4	4.9	5.2
Standard Deviation	0.18	2.15	1.29	3.97	0.03	1.14	0.40	24.14	0.08	1.01	0.22	1.72	0.13	5.62	0.16	0.21	0.19
Sample Variance	0.03	4.63	1.67	15.73	0.00	1.29	0.16	582.58	0.01	1.01	0.05	2.96	0.02	31.59	0.03	0.04	
Kurtosis	0.40	0.24	0.04	-0.81	13.00	-0.41	-0.16	-0.25	0.09	-0.01	0.67	-1.12	-0.92			-0.34	
Skewness	0.42	-0.18	-0.67	-0.34	0.00	-0.18	-0.46	-0.70	-0.06	-0.72	0.61	-0.26	0.45				
Range	0.8	9.8	5.1	15	0.2	4.7	1.6	85	0.34	3.9	0.9	5.6	0.4	31	0.7	0.8	0.8
Minimum	6.3	121.3	28	147	0.2	32.4	11.2	761	3	20.8	6	24.4			5	-	
Maximum	7.1	131.1	33.1	162	0.4	37.1	12.8	846	3.34	24.7	6.9	30	3.9	32	5.7	5.4	5.7
Sum	179.6	3411.5	839.5	4211	8.1	939.2	323.6	21977	85.4	619.8	170.4	745.9				134.4	
Count	27	27	27	27	27	27	27	27	27	27	27	27	27		27	27	27
Confidence Level(95.0%)	0.072	0.851	0.511	1.569	0.011	0.449	0.158	9.548	0.031	0.398	0.087	0.681	0.051	2.223	0.064	0.083	0.076

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	V	Ca	Ρ	La	Cr	Mg	Ва	Ti	В	Al	Na	К	W	Hg	Sc	ТІ	S	Ga
Descriptive Statistics	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
Mean	74.19	0.54	0.09	16.04	162.21	0.58	143.04	0.09	1.70	1.71	0.03	0.16	4.10	0.28	3.70	1.11	0.06	5.96
Standard Error	0.48	0.00	0.00	0.16	0.78	0.00	0.88	0.00	0.14	0.01	0.00	0.00	0.04	0.00	0.03	0.01	0.00	0.04
Median	75	0.53	0.093	16	163.6	0.58	143	0.09	2	1.7	0.034	0.16	4.2	0.28	3.7	1.1	0.06	6
Mode	75	0.54	0.093	16	158.1	0.58	143	0.087	1	1.69	0.033	0.16	4.2	0.28	3.8	1.1	0.05	6
Standard Deviation	2.50	0.02	0.01	0.85	4.06	0.02	4.59	0.01	0.72	0.05	0.00	0.01	0.19	0.01	0.15	0.06	0.01	0.19
Sample Variance	6.23	0.00	0.00	0.73	. 16.45	0.00	21.11	0.00	0.52	0.00	0.00	0.00	0.04	0.00	0.02	0.00	0.00	0.04
Kurtosis	-0.79	1.61	1.15	0.54	-0.44	0.65	2.19	0.98	-0.85	0.33	-0.28	0.27	0.55	-0.04	-0.49	4.56	-1.46	27.00
Skewness	0.25	0.84	-1.16	-0.07	0.33	-0.64	0.94	0.72	0.53	0.32	-0.30	-0.48	-0.87	0.00	-0.15	-1.10	0.37	-5.20
Range	8	0.09	0.02	4	15.6	0.1	22	0.023	2	0.21	0.013	0.04	0.8	0.05	0.6	0.3	0.02	1
Minimum	71	0.5	0.079	14	156.6	0.52	135	0.081	1	1.61	0.028	0.14	3.6	0.25	3.4	0.9	0.05	5
Maximum	79	0.59	0.099	18	172.2	0.62	157	0.104	3	1.82	0.041	0.18	4.4	0.3	4	1.2	0.07	6
Sum	2003	14.46	2.491	433	4379.7	15.68	3862	2.425	46	46.27	0.934	4.42	110.6	7.47	100	29.9	1.57	161
Count	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
Confidence Level(95.0%)	0.988	0.008	0.002	0.338	1.604	0.010	1.818	0.002	0.286	0.018	0.001	0.005	0.076	0.005	0.059	0.024	0.003	0.076

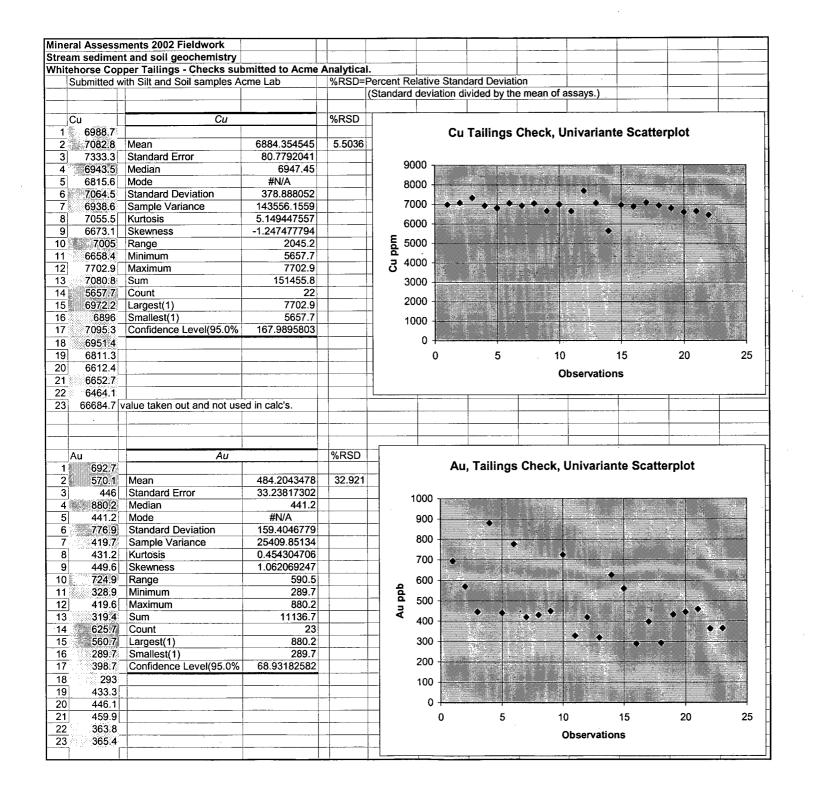
	Miner	al Assess	sment	s - 20	02 Fie	eldwor	rk																	
	Soil a	nd Stream	n Sed	iment	t Ġeo	chemi	stry: A	cme	Analyti	cal; A	nalys	is: GRC	OUP 1	DA - 3	30.0 G	M								
-	White	horse Co	pper(Tailin	gs Cł	neck S	ample	S																
	Analy	tical Res	ults																					
ELEMENT	Мо	Cu	Pb	Zn	Ag	Ni	Со	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	Р	La	Cr	Mg	Ва
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ррb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm
176457C	52.4	7333.3	11.3	79	4.8	13.5	23.6	532	10.51	20.2	2.9	446	1.9	158	0.4	2.4	23.2	26	5.59	0.05	3	19.3		1
97170C	43	6938.6	9.9	65	4.2	12.6	21.3	488	10.1	18.2	2.9	419.7	1.8	130	0.3	2.1	20.9	21	4.89	0.043	3	17.9	3.82	. 66
FA02030C	53.1	6673.1	11.2	81	5.1	14.3	28.3	604	12.7	19.1	3.2	449.6	1.7	160	0.4	2.2	23.3	32	5.36	0.053	4	20.4	4.37	71
176270C	47.4	6988.7	11.8	74	4.2	14.3	25.6	572	13.05	17.8	3.7	692.7	2.3	142	0.4	2.4	24.4	28	5.22	0.042	4	20	3.81	73
97603C-1	48.9	7055.5	11.6	74	4	14.9	24.6	571	12.18	19.1	3.5	431.2	2.1	144	0.5	2.3	24.3	27	5.09	0.045	4	18.2	4	74
56371C	50.3	6815.6	11.4	79	4.8	15.6	26	596	11.95	19.9	3.4	441.2	2	146	0.2	2.4	22.9	32	5.14	0.05	3	21.2	4.25	
176364C	51.7	7082.8	11.3	71	4.8	13.7	23.2	552	10.86	19.9	3.1	570.1	1.8	147	0.3	2.5	22.9	25	5.49	0.052	3	19.3	4.32	. 61
176510C	51.4	6943.5	11.6	73	4.5	13.9	24.3	566	11.52	18	3.1	880.2	1.9	165	0.3	2.2	23.3	28	5,36	0.049	3	19.6	4.19) 70
56480C	53.6	7064.5	12.6	86	5.5	16.2	27.4	606	12.92	21.8	3.7	776.9	2	155	0.4	2.5	26.7	30	6.05	0.052	4	22.7	4.54	72
176394C	50.6	6658.4	10.4	77	4.6	14	28	581	12.53	17:5	2.7	328.9	1.8	147	0.4	2	21.4	29	4.93	0.046	3	19.1	3.9	67
343898C	50.6	7080.8	12.3	.82	5	15.2	26.3	577	11.81	. 20.4	3.3	319.4	2.1	165	0.3	2.4	24	29	5.37	0.053	3	20.1	4.15	5 71
344250C	49.2	6972.2	11.3	73	4.6	14.3	25.3	560	11.32	18.5	3.1	560.7	1.9	137	0.3	2.2	21.9	28	5.22	0.05	3	19.4	3.88	8 68
56515C	46.9	7095.3	11.6	72	3.6	13.6	25.2	541	11.03	18.1	3	398.7	2.1	151	0.4	2.2	23.3	27	5.27	0.053	4	19.1	4.26	67
56568C	47.7	6811.3	10.7	72	4.6	13.2	23.5	525	10.69	17.7	2.8	433.3	1.9	147	0.4	2.1	21.7	26	5.01	0.047	3	18	3.89	67
97650C	45.3	66684.7	10.2	68	4.2	14.4	26.3	553	11.98	17	2.9	459.9	1.8	150	0.3	1.9	22.9	27	5.09	0.05	3	17.8	4.05	
97693C	50.3	6652.7	10.7	79	4.8	15.5	26.6	572	12.44	19.8	3	363.8	2	155	0.4	2.1	21.8	31	5.21	0.051	4	19.5	4.2	2 70
97710C	50.4	6464.1	10.5	79	4.8	14.2	26.1	563	11.88	18.8	2.8	365.4	1.9	150	0.4	2.1	21.3	30	4.99	0.05	4	19.2	4.02	2 68
176536C	55.2	7702.9	12.2	83	5.3	16	27.3	599	12.34	22.5	3.3	419.6	2.1	154	0.5	2.3	24.7	37	5.62	0.053	4	21.5	4.3	
344211C	46.2	5657.7	10	76	4	14.9	26.7	578	11.43	17.6	3.1	625.7	2.1	140	0.3	2	22.2	30	4.61	0.043	3	19.6	3.94	67
56443C	46.4	6896	10.4	77	4.1	13.3	23.8	488	9.89	16.4	3	289.7	1.9	140	0.2	2	20.9	26	4.84	0.04	3	18	3.77	59
56533C	41.5	6951.4	10.5	70	4.1	13.4	23.3	550	11,82	19.6	2.8	293	1.8	140	0.4	2	20.8	30	5.18	0.048	3	18.9	4.01	66
97245C	47.6	6612.4	10	74	4.4	13.1	24.5	566	. 11.6	17.8	2.9	446.1	1.7	151	0.4	2.2	22.5	28	5.09	0.05	3	20.1	4.08	8 67

LEMENT	Ti	в	AI	Na	к	w	Hg	Sc	ΤI	S	Ga	Sample	Work
SAMPLES	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	gm	Order
176457C	0.025	22	0.76	0.004	0.12	4.2	0.01	1.2	< .1	0.31	6		20036S
97170C	0.03	17	0.77	0.004	0.11	4.1	0.01	0.9	< .1	0.17	5		20036S
FA02030C	0.034	24	0.83	0.005	0.12	5.1	0.02	1.3	< .1	0.25	6		20036S
176270C	0.035	21	0.76	0.004	0.11	4.6	0.01	1.3	< .1	0.19	6		020040S
97603C-1	0.033	21	0.81	0.005	0.11	5.1	0.01	1.2	< .1	0.22	6		020040S
56371C	0.032	23	0.82	0.005	0.12	4.5	0.01	1.4	< .1	0.26	6	an an an third the adverse second	020041S
176364C	0.027	22	0.74	0.004	0.12	5.3	0.01	1.3	<.1	0.26	6		020042S
176510C	0.031	23	0.77	0.004	0.12	4.8	< .01	1.2	< .1	0.26	6		020042S
56480C	0.036	25	0.83	0.006	0.13	4.7	< .01	1.6	< .1	0.27	7		020042S
176394C	0.033	17	0.77	0.005	0.11	4.6	0.01	1.5	< .1	0.25	6	30	020047S
343898C	0.027	19	0.77	0.005	0.13	5.1	0.01	1.4	< .1	0.27	7	30	020047S
344250C	0.03	23	0.74	0.004	0.12	5.3	< .01	1.4	< .1	0.28	6	30	020047S
56515C	0.029	19	0.77	0.005	0.13	4.6	< .01	1.2	< .1	0.31	6	30	020047S
56568C	0.028	21	0.75	0.005	0.11	3.9	< .01	1.3	< .1	0.22	6	30	020047S
97650C	0.03	17	0.72	0.005	0.11	4.5	0.02	1.3	< .1	0.3	6	30	020047S
97693C	0.034	21	0.83	0.005	0.13	4.6	< .01	1.3	< .1	0.26	7	30	020047S
97710C	0.033	20	0.81	0.005	0.12	4.5	0.01	1.2	< .1	0.25	6	30	020047S
176536C	0.033	27	0.79	0.004	0.12	4.9	< .01	1.6	< .1	0.33			020048S
344211C	0.032	23	0.79	0.004	0.1	4.2	< .01	1.3	< .1	0.26	6		020051S
56443C	0.024	22	0.7	0.007	0.1	4.7	0.01	1.3	< .1	0.23	6		020051S
56533C	0.03	25	0.79	0.004	0.11	4.3	0.04	1.3	< .1	0.28	7		020051S
97245C	0.026	26	0.75	0.004	0.11	5.1	0.01	1.3	< .1	0.27	6		020051S

· · · · · · · · · · · · · · · · · · ·	Minera	al Assessmer	nts - 20	002 Fie	eldwo	rk													
	Soil an	nd Stream Se	dimen	t Geod	chemi	stry: /	Acme	Analyti	cal; An	alysis:	GRO	UP 1DA -	30.0	GM	1				
, `	White	norse Coppei	[.] Tailin	igs Ch	eck S	ample)S												
		ptive Statisti				•								-					
······································		•																	
Descriptive Statistics	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	v	Ca
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
Mean	49.22	9843.18	11.12	76.00	4.55	14.40	25.62	566.00	11.80	18.87	3.12	477.31	1.95	149.30	0.36	2.20	22.86	29.00	5.21
Standard Error	0.71	2992.88	0.17	1.06	0.11	0.21	0.35	6.21	0.18	0.35	0.06	36.07	0.04	1.79	0.02	0.04	0.33	0.61	0.07
Median	49.75	6947.45	11.25	75	4.6	14.3	25.8	568.5	11.85	18.65	3.1	437.25	1.9	148.5	0.4	2.2	22.9	28.5	5.195
Mode	50.3	#N/A	11.6	74	4.8	14.3	26.3	572	#N/A	19.1	3.1	#N/A	2.1	147	0.4	2.2	23.3	28	5.09
Standard Deviation	3.20	13384.56	0.78	4.74	0.48	0.93	1.55	27.79	0.79	1.56	0.29	161.33	0.16	8.01	0.08	0.18	1.47	2.71	0.30
Sample Variance	10.22	179146525.50	0.61	22.42	0.23	0.87	2.40	772.42	0.63	2.42	0.08	26026.84	0.02	64.22	0.01	0.03	2.16	7.37	0.09
Kurtosis	0.56	19.96	-0.95	-0.48	-0.34	-0.75	-0.98	2.16	0.36	0.39	-0.21	0.84	-0.25	-0.27	-0.07	-0.93	0.91	2.78	2.48
Skewness	-0.36	4.47	0.25	0.39	0.07	0.46	0.00	-1.03	-0.56	0.76	0.68	1.16	0.33	0.52	-0.36	0.19	0.81	1.26	0.84
Range	13.7	61027	2.6	18	1.9	3.1	5.1	118	3.16	6.1	1	590.5	0.6	28	0.3	0.6	5.9	12	1.44
Minimum	41.5	5657.7	10	68	3.6	13.1	23.2	488	9.89	16.4	2.7	289.7	1.7	137	0.2	1.9	20.8	25	4.61
Maximum	55.2	66684.7	12.6	86	5.5	16.2	28.3	606	13.05	22.5	3.7	880.2	2.3	165	0.5	2.5	26.7	37	6.05
Sum	984.3	196863.6	222.3	1520	91	288	512.3	11320	235.94	377.3	62.4	9546.1	38.9	2986	7.2	44	457.2	580	104.14
Count	20	20	20	20	20		20	20	20	20	20	20	20	20	20	20	20	20	20
Largest(1)	55.2	66684.7	12.6	86	5.5	16.2	28.3	606	13.05	22.5	3.7	880.2	2.3	165	0.5	2.5	26.7	37	6.05
Smallest(1)	41.5	5657.7	10	68	3.6	13.1	23.2	488	9.89	16.4	2.7	289.7	1.7	137	0.2	1.9	20.8	25	4.61
Confidence Level(95.0%)	1.496	6264.170	0.365	2.216	0.225	0.437	0.725	13.007	0.371	0.728	0.135	75.504	0.074	3.751	0.038	0.083	0.688	1.270	0.142

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Descriptive Statistics	P	La	Cr	Mg	Ва	Ti	В	Al	Na	к	W	Hg	Sc	TI	S	Ga
	%	ppm	ppm		ppm	%	ppm	%	%	%	ppm		ppm	ppm	%	ppm
Mean	0.05	3.40	19.59	4.10	68.25	0.03	21.95	0.78	0.00	0.12	4.72	0.01	1.34	0.10	0.26	6.20
Standard Error	0.00	0.11	0.27	0.05	0.84	0.00	0.61	0.01	0.00	0.00	0.08	0.00	0.03	0.00	0.01	0.09
Median	0.05	3	19.45	4.065	68	0.0315	22	0.77	0.005	0.12	4.65	0.01	1.3	0.1	0.26	6
Mode	0.05	3	19.6	#N/A	67	0.033	21	0.77	0.005	0.12	5.1	0.01	1.3	0.1	0.26	6
Standard Deviation	0.00	0.50	1.23	0.21	3.77	0.00	2.74	0.04	0.00	0.01	0.37	0.01	0.12	0.00	0.03	0.41
Sample Variance	0.00	0.25	1.51	0.04	14.20	0.00	7.52	0.00	0.00	0.00	0.14	0.00	0.01	0.00	0.00	0.17
Kurtosis	0.02	-2.02	0.96	-0.52	0.90	-0.52	-0.37	-0.63	2.25	-0.73	0.19	12.34	0.90	-2.24	0.84	0.70
Skewness	-0.93	0.44	0.80	0.31	-0.84	-0.46	-0.11	-0.20	1.22	-0.06	-0.22	3.40	1.14	-1.08	-0.01	1.62
Range	0.013	1	4.9	0.77	15	0.012	10	0.13	0.003	0.03	1.4	0.03	0.4	0	0.14	1
Minimum	0.04	3	17.8	3.77	59	0.024	17	0.7	0.004	0.1	3.9	0.01	1.2	0.1	0.19	6
Maximum	0.053	4	22.7	4.54	74	0.036	27	0.83	0.007	0.13	5.3	0.04	1.6	0.1	0.33	7
Sum	0.977	68	391.7	81.93	1365	0.617	439	15.54	0.095	2.33	94.4	0.25	26.7	2	5.22	124
Count	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Largest(1)	0.053	4	22.7	4.54	74	0.036	27	0.83	0.007	0.13	5.3	0.04	1.6	0.1	0.33	7
Smallest(1)	0.04	3	17.8	3.77	59	0.024	17	0.7	0.004	0.1	3.9	0.01	1.2	0.1	0.19	6
Confidence Level(95.0%)	0.002	0.235	0.575	0.096	1.763	0.002	1.284	0.018	0.000	0.004	0.174	0.003	0.055	0.000	0.015	0.192

page 2 of 2



		nt and soil geochemistry									
Whit	ehorse Co	oper Tailings - Checks sub	mitted to Acme	Analytical.							-
	A =										4
	Ag	Ag		%RSD		- 1	L].]
1						Ad	Tailings C	heck			
2		Mean	4.543478261	10.06		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	runings o	neon			
3		Standard Error	0.095310204								
<u>4</u>	4.5	Median	4.6		6						
5			4.8			•					-
6	5.5	Standard Deviation	0.457091683		5		•				
7	4.2		0.208932806		Ŭ • •	•				•	
8		Kurtosis	-0.156111585			•	•				-
9			0.104550817		4 +	•		• • •			
10		Range	1.9		E			•		· · · · · ·	
11			3.6		83					1.	
12	5.3		5.5	-	Mdd BA						-
13	5	Sum	104.5	44							H
14	4	Count	23		2						-
15	4.6	Largest(1)	5.5						10		4
16		Smallest(1)	3.6		1						
17	3.6		0.197661478								
18											
19					0 +				*		
20	4.4				0	5	10	15	20	25	
21	4.2						Observati	ons			
22	4.8						00001141	ene			-
23	4.8			L							1
				_							_
	As	As		%RSD		· · · · · · · · · · · · · · · · · · ·			1		H
1		AS		70R3D	Δς	Tailings Che	ck Univari	iante Scatt	oraram		-
2		Mean	18.87391304	7.859	, , , , , , , , , , , , , , , , , , , ,	runngo ono			ergrann		
			0.309290747	7.000	-						-
3	20.2	Standard Error									
3		Standard Error Median		· · ·	25						-
4	18	Median	18.5		25						
4 5	18 19.9	Median Mode	18.5 17.8	· · · · ·			•				
4	18 19.9 21.8	Median Mode Standard Deviation	18.5 17.8 1.483306316		25					and the second sec	
4 5 6 7	18 19.9 21.8 18.2	Median Mode Standard Deviation Sample Variance	18.5 17.8 1.483306316 2.200197628							•	
4 5 6 7 8	18 19.9 21.8 18.2 19.1	Median Mode Standard Deviation Sample Variance Kurtosis	18.5 17.8 1.483306316 2.200197628 0.488283468			•			•		
4 5 6 7	18 19.9 21.8 18.2 19.1 19.1	Median Mode Standard Deviation Sample Variance Kurtosis Skewness	18.5 17.8 1.483306316 2.200197628 0.488283468 0.761261174		20			•			
4 5 6 7 8 9 10	18 19.9 21.8 18.2 19.1 19.1 18.4	Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range	18.5 17.8 1.483306316 2.200197628 0.488283468 0.761261174 6.1		20			•			
4 5 6 7 8 9 10 11	18 19.9 21.8 18.2 19.1 19.1 18.4 17.5	Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minimum	18.5 17.8 1.483306316 2.200197628 0.488283468 0.761261174 6.1 16.4		20			•			
4 5 6 7 8 9 10	18 19.9 21.8 18.2 19.1 19.1 18.4 17.5	Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minimum Maximum	18.5 17.8 1.483306316 2.200197628 0.488283468 0.761261174 6.1 16.4 22.5		20			•			
4 5 6 7 8 9 10 11 11	18 19.9 21.8 18.2 19.1 19.1 18.4 17.5 22.5 20.4 17.6	Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minimum Maximum Sum Count	18.5 17.8 1.483306316 2.200197628 0.488283468 0.761261174 6.1 16.4		20 +						
4 5 6 7 8 9 10 11 11 12 13	18 19.9 21.8 18.2 19.1 19.1 18.4 17.5 22.5 20.4 17.6 18.5	Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minimum Maximum Sum Count Largest(1)	18.5 17.8 1.483306316 2.200197628 0.488283468 0.761261174 6.1 16.4 22.5 434.1 23		20 +						
4 5 6 7 8 9 10 11 12 13 13	18 19.9 21.8 18.2 19.1 19.1 18.4 17.5 22.5 20.4 17.6 18.5	MedianModeStandard DeviationSample VarianceKurtosisSkewnessRangeMinimumMaximumSumCountLargest(1)	18.5 17.8 1.483306316 2.200197628 0.488283468 0.761261174 6.1 16.4 22.5 434.1 23 22.5		20 +						
4 5 6 7 8 9 10 11 12 13 13 14 15	18 19.9 21.8 18.2 19.1 19.1 18.4 17.5 22.5 20.4 17.6 18.5	MedianModeStandard DeviationSample VarianceKurtosisSkewnessRangeMinimumMaximumSumCountLargest(1)Smallest(1)	18.5 17.8 1.483306316 2.200197628 0.488283468 0.761261174 6.1 16.4 22.5 434.1 23 22.5 16.4		20 +						
4 5 7 8 9 10 11 12 13 14 15 16 17	18 19.9 21.8 18.2 19.1 19.1 19.1 18.4 17.5 22.5 20.4 17.6 18.5 16.4 18.5	Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minimum Maximum Sum Count Largest(1) Smallest(1)	18.5 17.8 1.483306316 2.200197628 0.488283468 0.761261174 6.1 16.4 22.5 434.1 23 22.5		20 +						
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	18 19.9 21.8 18.2 19.1 19.1 18.4 17.5 22.5 20.4 17.6 18.5 16.4 18.5 16.4 18.1 19.6	Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minimum Maximum Sum Count Largest(1) Smallest(1)	18.5 17.8 1.483306316 2.200197628 0.488283468 0.761261174 6.1 16.4 22.5 434.1 23 22.5 16.4		20 +						
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	18 19.9 21.8 18.2 19.1 19.1 19.1 18.4 17.5 22.5 20.4 17.6 18.5 16.4 18.5 16.4 18.1 19.6 17.7	Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minimum Maximum Sum Count Largest(1) Smallest(1)	18.5 17.8 1.483306316 2.200197628 0.488283468 0.761261174 6.1 16.4 22.5 434.1 23 22.5 16.4		20 • • • • • • • • • • • • • • • • • • •						
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	18 19.9 21.8 18.2 19.1 19.1 18.4 17.5 22.5 20.4 17.6 18.5 16.4 18.5 16.4 18.1 19.6 17.7 17.8	Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minimum Maximum Sum Count Largest(1) Smallest(1) Confidence Level(95.0%)	18.5 17.8 1.483306316 2.200197628 0.488283468 0.761261174 6.1 16.4 22.5 434.1 23 22.5 16.4		20 +	÷ • 5	 Total and the second sec	15	20	◆	

	nents 2002 Fieldwork											
sedimer	t and soil geochemistry						ļ			_		
ehorse Cor	per Tailings - Checks sub	mitted to Acme	Analytical.									
Pb	Pb		%RSD									
11.8			/0.100									
11.3	Mean	11.05652174	6.9783			Pb,	Tailings	Check, I	Univariar	nte Scatte	erplot	
11.3	Standard Error	0.160880247	0.07.00									
] 11.3 11.6	Median	11.2								•		
	Mode	11.3										
11.4	Standard Deviation	0.771554562			14 T							
- 9.9	Sample Variance	0.595296443			40		•					1
 11.6	Kurtosis	-0.795735642			12 +	* • •	• •	•		• •		19
11.2	Skewness	0.273371854			10 🕂			•	•	•	•	• •
10.8	Range	2.7										
	Minimum	9.9		ε	8 -							
10.4 2 12.2	Maximum	12.6		mdq	Ŭ							
3 12.3	Sum	254.3		Pp	6 -							
10	Count	23		ű.	- 8							
11.3	Largest(1)	12.6			4 +							
10.4	Smallest(1)	9.9							-			
11.6	Confidence Level(95.0%)	0.333645571			2 +							
10.5					_							
10.7					0 #						1	
10					0		5	10		15	20	25
10.2								0	bservatior	าร		
10.7												
10.5							· · · ·					
Zn	Zn		%RSD									
74		75 40 470004	0 7000			Zn,	Tailings	Check,	Univaria	nte Scatt	erplot	
71 79	Mean	75.43478261	6.7693				-					
79	Standard Error	1.064753468	_		400							·
73	Median	74			100				1. N.			
	Mode Observed Deviation	79	_		90							
86 65	Standard Deviation	5.106378248			80		•		• •			
65 74	Sample Variance	26.07509881 -0.282625684						•	•	•		• •
74 81	Kurtosis Skewness	0.09566704			70	•••••	•			- T -•	• • • •	
81[71	Range	0.09506704			60			•				
71	Minimum	65		Zn ppm								
	Maximum	86		ă	50							
82		1735		R I	40					-		2.5
82 76	Count	. 23										
73	Largest(1)	86			30	-						
77	Smallest(1)	65			20							
		2.208165912										
72					10				1000			
				1	0				÷ *			
70]	- U			1				
70 72				-	•	0	5)	15	20	
3 70 0 72 0 74					•	0	5	10	•	15	20	25
70 72 74 68					•	0	5) Observatio		20	25
70 72 74					•	0	5		•		20	25

	nents 2002 Fieldwork										
Stream sedimen	t and soil geochemistry										
Whitehorse Cop	per Tailings - Checks sub	mitted to Acme A	Analytical.								
Mo	Мо		%RSD								
1 47.4					Мо	, Tailings	s Check, l	Jnivarian	te Analys	is	
Children in the second framework [Mean	48.99130435	6.8297								
352.4	Standard Error	0.69767862									
4 51.4	Median	49.2		60 T							
	Mode	50.3				•		•			
6 53.6	Standard Deviation	3.345949117		50 -	••	• •	• •	•		•••	·
	Sample Variance	11.19537549			•			•	• •	•	
	Kurtosis	-0.005322479		40		•			•		
9 53.1	Skewness	-0.337641088		40 -							
10 47.1	Range	13.7		E I							
11 50.6	Minimum	41.5		a 30 -							
12 55.2	Maximum	55.2		шаа ₃₀ – М							
13 50.6	Sum	1126.8		20 -							
14 46.2	Count	23		20 -						1	
15 49.2	Largest(1)	55.2									
16 46.4	Smallest(1)	41.5		10 -							
17 46.9	Confidence Level(95.0%)	1.446898452									
18 41.5				0							
19 47.7						-	10		-	1	0.5
20 47.6				0)	5	10	15)	20	25
21 45.3							Obs	ervations			
22 50.3											
23 50.4						r	1				
Bi	Bi		%RSD	ſ			I			1	
1 24.4				1	Bi	Tailings	Check, U	nivariante	Scatter	alot	
2 22.9	Mean	22.80434783	6.2764	1	Οι,	rannığə	Oneon, O		Goutter		
3 23.2	Standard Error	0.298446456		-							
4 23.3	Median	22.9		30 -							
5 22.9	Mode	22.9	-								
6 26.7	Standard Deviation	1.431298921				•					
7 20.9	Sample Variance	2.048616601		25 -	•		•	••	•		
8 24.3	Kurtosis	0.980613341		-	• •	* •		•		. + * .	
9 23.3	Skewness	0.749680196		20 -		•			• •		r
<u> </u>	Range	5.9	+	-				2.7		-	
11 21.4	Minimum	20.8		udd 15 - i8							
12 24.7	Maximum	26.7		ä 15 -							
13 24.7	Sum	524.5		iii							
13 24	Count	23		10 -							
		26.7	++	10-							
15 21.9	Largest(1)	20.7		-							:
	Smallest(1) Confidence Level(95.0%)	0.618940731		5 -							
17 23.3	Confidence Level(95.0%)	0.010940731		-							
18 20.8											
19 21.7			+	0 ·		1	1				1
20 22.5				. (0	5	10	1	5	20	25
21 22.9			_	-			Oh	servations			
22 21.8				-			00	55. 1410/13			
23 21.3				<u> </u>							
1			1 1				1	1			

						2 Field			•					-									
	Soil a	and St	ream	Sedir	nent (Geoch	emist	ry: Ac	me A	nalytic	al; A	nalys	is: G	ROUP	1DA	- 30.0	GM	-					
	White	ehorse	e Clay	Cliff	Chec	k Sam	ples																
	Analy	/tical	Result	s	[•									-							
	Мо	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Са	Р	La	Cr	Mg
SAMPLE	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%		ppm	ppb	ppm	-				ppm	%	%	ppm	ppm	%
176270A	0.6	24.8	6.5	49	0.1	36.6	8.9	421	1.98	6.5	1	2.2	3.6	62	0.2	0.7	0.1	44	2.14	0.075	11	39.5	0.85
176359A	0.8	25.2	7.3	49	0.1	41.2	9.8	441	2.05	9.5	1.2	3.3	3.9	68	0.3	0.7	0.1	46	2.34	0.078	12	45.4	0.96
176395A	0.6	23.6	6.8	47	0.1	35.4	9.4	388	2	9.2	1	3.1	3.9	68	0.2	0.7	0.1	43	2.23	0.074	11	43.1	0.9
176515A	0.6	26.5	7.5	49	0.1	37	9.7	443	2.04	9	1	3.6	3.8	70	0.2	0.6	0.1	44	2.18	0.078	11	40.9	0.93
56472A	0.7	27	7.1	49	0.1	38.8	9.6	409	2.02	9.5	1.2	3.2	3.8	67	0.2	0.7	0.1	44	2.31	0.075	12	42.6	0.94
97158A	0.7	23.7	6.5	44	0.1	36.2	8.9	389	1.97	9.8	1	1.8	3.9	63	0.3	0.7	0.1	37	1.86	0.07	11	38.7	0.84
97603A	0.6	22.8	6.4	45	0.1	34	8.8	389	1.87	6.6	1.1	3.4	3.7	64	0.2	0.7	0.1	42	2.26	0.075	12	39.1	0.86
97679A	0.6	25.2	7.2	46	0.1	36	8.9	404	1.87	8.8	1.1	2.4	3.6	63	0.2	0.6	0.1	45	2.03	0.072	11	40.3	0.86
FA02028A	0.5	32.9	14.3	58	0.1	21.8	10.6	543	3.79	19.1	0.9	1.6	7.5	28	0.1	1	0.2	58	0.38	0.057	19	27	0.53
176515A	0.6	26.5	7.5	49	0.1	37	9.7	443	2.04	9	1	3.6	3.8	70	0.2	0.6	0.1	44	2.18	0.078	11	40.9	0.93
RS02S14A	0.8	24.1	6.7	47	0.1	35.8	9.2	413	1.95	8.4	1	4.7	3.7	66	0.2	0.6	0.1	43	2.03	. 0.074	11	38.8	0.89
140381A	0.7	23.3	7.7	64	0.1	36	9.3	428	1.94	7.8	1	3.1	3.5	62	0.3	0.6	0.1	45	2.06	0.076	11	42.2	0.9
176377A	0.7	24.5	6.4	48	0.1	36.6	9.5	411	1.98	9	0.9	3.3	3.6	69	0.3	0.6	0.1	44	2.14	0.081	11	39	0.92
176405A	0.7	25.2	6.9	49	0.1	36.6	9.7	414	2.02	9.1	1	1.9	3.8	65	0.3	0.6	0.1	44	2.08	0.075	12	39.3	0.91
176446A	0.7	25.5	6.9	47	0.1	35.3	9.5	431	2.06	8.7	1.1	3.7	3.8	68	0.2	0.6	0.1	46	2.09	0.077	12	39.1	0.92
176461A	0.5	25.7	6.6	49	0.1	34.3	9.3	423	2	9.7	1	3.1	3.8	63	0.3	0.6	0.1	44	2.1	0.077	10	41.1	0.91
344203A	0.8	25.8	6.3	47	0.1	35.8	9	415	1.92	7.8	1	3.4	3.8	63	0.2	0.5	0.1	42	2	0.066	. 11	40.3	0.9
56390A	0.8	24	9.7	49	0.1	36.4	9.4	422	2.02	8.5	1.1	4	3.7	66	0.2	0.6	0.1	44	2.16	0.077	12	39.4	0.92
56408A	0.7	23	6.4	47	0.1	35.3	9.1	383	1.86	8.7	0.9		3.5	62	0.3	0.6	0.1	42	1.94	0.071	11	35.8	0.86
56428A	0.7	25.6	19.5	74	0.1	39.3	10.2	424	2.16	8.8	1.1	3.2	4.2	67	0.2	0.7	0.1	48	2.2	0.066	12	39.9	1
56455A	0.8	25.3	7	55		38.8	10.3	437	2.22	8.7	1.1	1.7	4.1	69	0.3	0.7	0.1	47	2.24	0.07	13	44.9	1.01
97216A	0.7	24.4	7	48		35.2	9.1	405	1.94	9	1.1	2.5	3.9	68	0.2	0.6	0.1	42	2.05	0.074	10	38.7	0.9
97672A	0.6	23.7	6.3	43		35.6	9.8	417	1.97	8.7	1	1	3.8	73	0.2	0.6	0.1	44	2.13	0.079	11	39	0.94
97710A	0.9	36.7	5.6	48		22.2	5.8	308	1.58	4.9	0.7	3.4	2.4	32	0.7	0.5	0.2	39	1.83	0.075	13	26.8	0.45
97741A	0.6	24.9	6.6	49	0.1	37.7	9.7	422	2.02	9.1	1	4.1	3.8	70	0.2	0.6	0.1	45	2.14	0.08	12	38.9	0.94

		4												
	Ba	Ti	В	AL	Na	ĸ	W	Hg	Sc	TI	S	Ga	Sample	Work
SAMPLE	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	gm	Order
												T		
176270A	150	0.09	2	1.15	0.025	0.11	0.2	0.02	3.6	0.1	0.11	4		0200405
176359A	156	0.096	2	1.1	0.028	0.12	0.2	0.02	4.2	0.1	0.07	4		0200425
176395A	153	0.085	2	1.13	0.024	0.11	0.2	0.02	3.9	0.1	0.05	4		200365
176515A	151	0.078	1	1	0.024	0.1	0.2	0.01	3.5	0.1	0.11	4		0200425
56472A	159	0.092	1	1.11	0.029	0.12	0.2	0.01	4.1	0.1	0.14	4		0200425
97158A	158	0.087	2	1.06	0.029	0.11	0.2	0.01	3.7	0.1	0.12	4		200365
97603A	150	0.09	2	1.13	0.025	0.11	. 0.2	0.03	3.5	0.1	0.08	4		0200405
97679A	155	0.084	3	1.03	0.027	0.11	0.3	0.02	3.7	0.1	0.07	4		0200415
FA02028A	66	0.096	1	1.22	0.018	0.16	0.1	0.02	4.2	0.1	0.05	5	i l	200365
176515A	151	0.078	1	1	0.024	0.1	0.2	0.01	3.5	0.1	0.11	4		0200425
RS02S14A	142	0.081	2	1.04	0.022	0.12	0.2	0.01	3.5	0.1	0.07	4		200365
140381A	139	0.068	1	0.98	0.023	0.1	0.2	0.02	3.5	0.1	0.13	4		0200515
176377A	146	0.08	2	1.05	0.026	0.11	0.2	0.01	3.6	0.1	0.09	4	30	0200475
176405A	154	0.079	1	1.06	0.023	0.11	0.2	0.02	3.5	0.1	0.08	4	30	0200475
176446A	150	0.08	2	1.06	0.025	0.11	0.2	0.01	3.7	0.1	0.07	4	30	0200475
176461A	148	0.078	3	1.01	0.022	0.1	0.2	0.01	3.4	0.1	0.1	4		0200485
344203A	145	0.08	2	1.07	0.021	0.09	0.2	0.01	3.2	0.1	0.08	4	•	0200515
56390A	153	0.086	3	1.12	0.027	0.11	0.2	0.03	3.6	0.1	0.07	4	30	0200475
56408A	136	0.072	2	0.99	0.025	0.11	0.2	0.02	3.3	0.1	0.07	4	30	0200475
56428A	150	0.084	3	1.14	0.025	0.1	0.2	0.03	4	0.1	0.08	4		0200519
56455A	155	0.084	1	1.16	0.026	0.1	0.2	0.01	3.8	0.1	0.07	4		020051
97216A	154	0.078	1	1	0.027	0.1	0.2	0.02	3.4	0.1	0.11	3	30	0200475
97672A	153	0.081	2	1.03	0.027	0.11	0.2	0.02	3.6	0.1	0.1	3	30	020047
97710A	138	0.052	2	0.81	0.01	0.06	0.2	0.07	2.6	0.1	0.05	5 3	30	020047
97741A	148	0.081	2	1.05	0.027	0.11	0.2	0.01	3.7	0.1	0.1	· 4	30	020047

			sments														
	Soil ar	d Strea	m Sedin	nent Ge	ochem	istry: Ad	cme Ana	alytical; A	nalysis:	GROUP	1DA -	30.0 GN	Λ				
	Whiteh	orse Cl	ay Cliff	Check \$	Sample	<u>s</u>											
Descriptive Statistics	Мо	Cu	Pb	Zn	Ag	Ni	Co			As	U	Au	Th	Sr	Cd		Bi
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ррт	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm
Mean	0.68	25.60	7.71	49.96	0.10	35.40	9.33	416.92	2.05	8.96	1.02	2.92	3.88	63.44	0.25	0.64	0.11
Standard Error	0.02	0.61	0.59	1.32	0.00	0.87	0.17	7.59	0.08	0.48	0.02	0.18	0.16	2.10	0.02	0.02	0.01
Median	0.7	25.2	6.9	49	0.1	36	9.4	417	2	8.8	1	3.2	3.8	66	0.2	0.6	0.1
Mode	0.7	25.2	6.4	49	0.1	36.6	9.7	443	2.02	9	1	3.1	3.8	68	0.2	0.6	0.1
Standard Deviation	0.10	3.03	2.96	6.62	0.00	4.34	0.87	37.95	0.38	2.38	0.10	0.91	0.82	10.52	0.11	0.10	0.03
Sample Variance	0.01	9.18	8.77	43.87	0.00	18.83	0.75	1439.99	0.14	5.68	0.01	0.83	0.67	110.76	0.01	0.01	0.00
Kurtosis	-0.31	8.16	11.41	7.22	-2.18	6.58	11.80	6.86	20.11	14.70	2.74	-0.47	17.61	7.81	12.96	7.86	9.64
Skewness	0.16	2.73	3.32	2.56	-1.06	-2.47	-2.81	0.55	4.23	3.17	-0.92	-0.34	3.64	-2.84	3.14	2.17	3.30
Range	0.4	13.9	13.9	31	0	19.4	4.8	235	2.21	14.2	0.5	3.7	5.1	45	0.6	0.5	0.1
Minimum	0.5	22.8	5.6	43	0.1	21.8	5.8	308	1.58	4.9	0.7	1	2.4	28	0.1	0.5	0.1
Maximum	0.9	36.7	19.5	74	0.1	41.2	10.6	543	3.79	19.1	1.2	4.7	7.5	73	0.7	1	0.2
Sum	17	639.9	192.7	1249	2.5	884.9	233.2	10423	51.27	223.9	25.5	73.1	96.9	1586	6.2	16	2.7
Count	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
Largest(1)	0.9	36.7	19.5	74	0.1	41.2	10.6	543	3.79	19.1	1.2	4.7	7.5	73	0.7	1	0.2
Smallest(1)	0.5	22.8	5.6	43	0.1	21.8	5.8	308	1.58	4.9	0.7	1	2.4	28	0.1	0.5	0.1
Confidence Level(95.0%)	0.041	1.251	1.222	2.734	0.000	1.791	0.357	15.664	0.157	0.984	0.043	0.376	0.338	4.344	0.045	0.040	0.011

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		·																
Descriptive Statistics	V	Ca	P	La	Cr	Mg	Ва	Ti	в	AI	Na	к	W	Hg	Sc	TI	S	Ga
	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm
Mean	44.24	2.04	0.07	11.72	39.23	0.88	146.40	0.08	1.84	1.06	0.02	0.11	0.20	0.02	3.61	0.10		
Standard Error	0.73	0.07	0.00	0.34	0.85	0.02	3.56	0.00	0.14	0.02	0.00	0.00	0.01	0.00	0.07	0.00	1	
Median	44	2.13	0.075	11	39.4	0.91	150	0.081	2	1.06	0.025	0.11	0.2	0.02	3.6	0.1	0.08	4
Mode	44	2.14	0.075	11	40.9	0.9	150	0.078	2	1	0.025	0.11	0.2	0.01	3.5	0.1	0.07	4
Standard Deviation	3.67	0.37	0.01	1.70	4.25	0.12	17.79	0.01	0.69	0.08	0.00	0.02	0.03	0.01	0.33	0.00	0.02	0.40
Sample Variance	13.44	0.14	0.00	2.88	18.09	0.02	316.58	0.00	0.47	0.01	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.16
Kurtosis	8.36	18.94	3.58	14.92	4.65	7.50	18.95	3.95	-0.73	2.76	6.78	6.72	12.00	11.01	2.65	-2.18	-0.59	3.92
Skewness	1.95	-4.12	-1.63	3.49	-1.90	-2.70	-4.13	-1.28	0.22	-0.84	-2.18	0.36	0.00	2.90	-0.66	-1.06	0.37	-0.75
Range	21	1.96	0.024	9	18.6	0.56	93	0.044	2	0.41	0.019	0.1	0.2	0.06	1.6	0	0.09	2
Minimum	37	0.38	0.057	10	26.8	0.45	66	0.052	1	0.81	0.01	0.06	0.1	0.01	2.6	0.1	0.05	3
Maximum	58	2.34	0.081	19	45.4	1.01	159	0.096	3	1.22	0.029	0.16	0.3	0.07	4.2	0.1	0.14	5
Sum	1106	51.1	1.85	293	980.7	21.97	3660	2.04	46	26.5	0.609	2.69	5	0.47	90.3	2.5	2.18	
Count	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
Largest(1)	58	2.34	0.081	19	45.4	1.01	159	0.096	3	1.22	0.029	0.16	0.3	0.07	4.2	0.1	0.14	5
Smallest(1)	37	0.38	0.057	10	26.8	0.45	66	0.052	1	0.81	0.01	0.06	0.1	0.01	2.6	0.1	0.05	3
Confidence Level(95.0%)	1.513	0.152	0.002	0.700	1.756	0.051	7.345	0.004	0.284	0.033	0.002	0.007	0.012	0.005	0.138	0.000	0.010	0.165

eam se	diment and	soil geoc	hemistry										
itehors			submitted to Acme Anal										
	Submitted	with EMR S	ilt and Soil samples to Acm	ne Lab	%RSD=Pe	ercent Relati							
						(Standard	deviation div	vided by the	mean of ass	ays.)			
									•				
	Au		Au		%RSD	[·					
1							Au. Cl	ay Cliff C	hecks, Un	ivariant	e Scatte	raram	
7				2.924	31.16181			uy onn o		i tu i tu i i		igiaili	
8			Standard Error	0.18223428									
2				3.2		5 -							532/222
4				3.1					•				
5			Standard Deviation	0.91117141		4.5 -							
10			Sample Variance	0.83023333		4 -						•	
13				-0.4731477									
14			Skewness	-0.3438259		3.5 -	•	•	•	1 .			
15		020047S		3.7	_		•	•			•		
18			Minimum	1		Е ³⁻							
19			Maximum	4.7		a. 2.5 -							
22				73.1		3	•	•					
23		020047S	Count	25		◀ 2 -		-	_				
24		020047S	Largest(1)	4.7			1 C	•			• •		
25		020047S	Smallest(1)	1		1.5 -							
16			Confidence Level(95.0%)	0.37611299		1.				1			
12		020051S										·	
17		020051S				0.5 -				- 60			
20	i	020051S				_		1.00					
21	1.7	020051S				0 -	ł	1					
3		20036S					0	5	10	15	20	25	:
6		20036S							Ohee	rvations			
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11	4.7	20036S				L							
	Cu		Cu		%RSD								
1				1				Olife /			· · · ·		
7		020040S						iav cliπ u	Check. Un	ivariant	e Scatte	roram	
		020040S		25.596	11.83961		, C	lay Clim (Check, Un	ivariant	e Scatte	rgram	
8	25.2	020040S 020041S	Standard Error	0.6060935	11.83961	1	Cu, C	lay Clim (Check, Un	Ivariant	e Scatte	rgram	
	25.2 25.2	020040S 020041S 020042S	Standard Error Median	0.6060935 25.2	11.83961	40			Check, Un	Ivariant	e Scatte	rgram	
8 2 4	25.2 25.2 26.5	020040S 020041S 020042S 020042S	Standard Error Median Mode	0.6060935 25.2 25.2	11.83961	40		layCliπ	Check, Un		e Scatte	rgram	
8 2 4 5	25.2 25.2 26.5 27	020040S 020041S 020042S 020042S 020042S	Standard Error Median Mode Standard Deviation	0.6060935 25.2 25.2 3.03046751	11.83961	1					e Scatte	rgram •	
8 2 4 5 10	25.2 25.2 26.5 27 26.5	020040S 020041S 020042S 020042S 020042S 020042S	Standard Error Median Mode Standard Deviation Sample Variance	0.6060935 25.2 25.2 3.03046751 9.18373333	11.83961	40				Ivariant	e Scatte	ergram •	
8 2 4 5 10 13	25.2 25.2 26.5 27 26.5 24.5	020040S 020041S 020042S 020042S 020042S 020042S 020042S 020047S	Standard Error Median Mode Standard Deviation Sample Variance Kurtosis	0.6060935 25.2 3.03046751 9.18373333 8.16399624	11.83961	40					e Scatte	ergram •	
8 2 4 5 10 13 14	25.2 25.2 26.5 27 26.5 24.5 24.5 25.2	020040S 020041S 020042S 020042S 020042S 020042S 020042S 020047S	Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness	0.6060935 25.2 3.03046751 9.18373333 8.16399624 2.73142786	11.83961	40				Ivariant	e Scatte	•	
8 2 4 5 10 13 13 14 15	25.2 25.2 26.5 27 26.5 24.5 25.2 25.5	020040S 020041S 020042S 020042S 020042S 020042S 020042S 020047S 020047S 020047S	Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range	0.6060935 25.2 3.03046751 9.18373333 8.16399624 2.73142786 13.9	11.83961	40 35 30 25				•••	e Scatte	ergram	
8 2 4 5 10 13 14 15 18	25.2 25.2 26.5 27 26.5 24.5 25.2 25.2 25.5 24	020040S 020041S 020042S 020042S 020042S 020042S 020047S 020047S 020047S 020047S	Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minimum	0.6060935 25.2 3.03046751 9.18373333 8.16399624 2.73142786 13.9 22.8	11.83961	40 35 30 25				•••	e Scatte	ergram	
8 2 4 5 10 13 14 15 18 18 19	25.2 25.2 26.5 27 26.5 24.5 25.2 25.5 24 23	020040S 020041S 020042S 020042S 020042S 020042S 020047S 020047S 020047S 020047S	Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minimum Maximum	0.6060935 25.2 25.2 3.03046751 9.18373333 8.16399624 2.73142786 13.9 22.8 36.7	11.83961	40 35 30 25	•••			• • •	e Scatte	ergram	
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8 2 4 5 10 13 13 14 15 18 19 22 23	25.2 25.2 26.5 24.5 25.2 25.5 24.4 23 24.4 23 24.4 23.7	020040S 020041S 020042S 020042S 020042S 020042S 020047S 020047S 020047S 020047S 020047S	Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minimum Maximum Sum Count	0.6060935 25.2 25.2 3.03046751 9.18373333 8.16399624 2.73142786 13.9 22.8 36.7 639.9 25	11.83961	40 35 30 25 5 20 7	•			ivariant ↓ ↓	e Scatte	ergram	
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8 2 4 5 10 13 14 15 18 19 22 23 24 25	25.2 25.2 26.5 27 26.5 24.5 25.5 24 23 24 23 24.4 23.7 36.7 24.9	020040S 020041S 020042S 020042S 020042S 020042S 020047S 020047S 020047S 020047S 020047S 020047S 020047S 020047S	Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minimum Maximum Sum Count Largest(1)	0.6060935 25.2 25.2 3.03046751 9.1837333 8.16399624 2.73142786 13.9 22.8 36.7 639.9 25 36.7	11.83961	40 35 30 25 4 20 7 30 5 15	• •			ivariant • • • •	e Scatte	ergram	
8 2 4 5 10 13 14 15 18 19 22 23 24 25 16	25.2 25.2 26.5 24.5 25.2 25.5 24.5 25.5 24 23 24.4 23.7 36.7 24.9 25.7	020040S 020041S 020042S 020042S 020042S 020042S 020047S 020047S 020047S 020047S 020047S 020047S 020047S 020047S 020047S	Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minimum Maximum Sum Count	0.6060935 25.2 25.2 3.03046751 9.1837333 8.16399624 2.73142786 13.9 22.8 36.7 639.9 25 36.7	11.83961	40 35 30 25 5 20 7				ivariant 	e Scatte	ergram	
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8 2 4 5 10 13 14 15 5 18 19 22 23 24 25 25 16 16 17 7 20 21	25.2 25.2 26.5 24.5 24.5 25.2 25.5 24 23 24.4 23 24.4 23.7 36.7 24.9 25.7 23.3 25.8 25.8 25.6 25.3	020040S 020041S 020042S 020042S 020042S 020042S 020047S 020047S 020047S 020047S 020047S 020047S 020047S 020047S 020047S 020047S 020047S 020047S 0200451S 020051S 020051S	Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minimum Maximum Sum Count Largest(1) Smallest(1) Confidence Level(95.0%)	0.6060935 25.2 25.2 3.03046751 9.1837333 8.16399624 2.73142786 13.9 22.8 36.7 639.9 25 36.7	11.83961	40 35 30 25 E 20 7 15 10 5 0							
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8 2 4 5 10 13 14 15 5 8 19 22 23 24 25 16 12 17 20 21 3 3 6	25.2 25.2 26.5 24.5 25.5 24.5 25.5 24 23 24.4 23 24.4 23.7 36.7 24.9 25.7 23.3 25.8 25.6 25.6 625.3 23.6 23.7	020040S 020041S 020042S 020042S 020042S 020042S 020047S 020047S 020047S 020047S 020047S 020047S 020047S 020047S 020047S 020047S 020047S 020047S 020047S 020047S 020051S 020051S 020051S 20036S	Standard Error Median Mode Standard Deviation Sample Variance Kurtosis Skewness Range Minimum Maximum Sum Count Largest(1) Smallest(1) Confidence Level(95.0%)	0.6060935 25.2 25.2 3.03046751 9.1837333 8.16399624 2.73142786 13.9 22.8 36.7 639.9 25 36.7	11.83961	40 35 30 25 E 20 7 15 10 5 0			10	↓ • • • • • • • • • • • • • • • • • • •			
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Assessments	2002 Fieldwork										
	soil geochemistry										
orse Clay Cliffs	- Checks submitted to Acme	Analytical.									
Pb	Pb		%RSD r								
1 6.5	020040S										
	020040S Mean	7.708	38.41444		Ph	Clay cliff ch	ecks, Univaria	ante Scatter	aram		
	020041S Standard Error	0.59219704			ru,	Ciay chin ch			gram		
	020042S Median	6.9		25							
	020042S Mode	6.4		20							
	020042S Standard Deviation	2.9609852									
	020042S Sample Variance	8.76743333									
	020047S Kurtosis	11.4069481		20				•			
	020047S Skewness	3.31848039									
	020047S Range	13.9									
18 9.7	020047S Minimum	5.6		udd q q 10		•				F	
	020047S Maximum	19.5		đ							+
	020047S Sum	192.7		4							
	020047S Count	25		d 10				•			
23 6.3	0200475 Count 020047S Largest(1)	19.5									
	020047S Largest(1) 020047S Smallest(1)	5.6					* * * * * .		•		
20 0.0	0200475 Smallest(1) 020048S Confidence Level(95			5					•		
		.0 /0] 1.22223431		5							
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	020051S				0 5	10	15	20	25	30	
3 6.8	200365						0	-	•	-	
6 6.5	20036S						Observation	S			
9 14.3	20036S						······				4
11 6.7	20036S										
Zn	Zr		%RSD								
		/	/0N3D								
1 49	020040S				Zn Cl	av Cliff Char	ske Univariate	Scatterara	m		
1 49 7 45	020040S 020040S Mean	49.96	13.258		Zn, Cl	ay Cliff Cheo	ks, Univariate	e Scattergra	m		
1 49 7 45 8 46	020040S 020040S Mean 020041S Standard Error				Zn, Cl	ay Cliff Cheo	cks, Univariate	e Scattergra	m		
1 49 7 45 8 46	020040S 020040S Mean	49.96		80		ay Cliff Cheo	cks, Univariate	e Scattergra	m		
1 49 7 45 8 46 2 49 4 49	020040S 020040S Mean 020041S Standard Error 020042S Median 020042S Mode	49.96 1.32473897		80		ay Cliff Cheo	cks, Univariate	e Scattergra	m		
1 49 7 45 8 46 2 49 4 49	020040S 020040S Mean 020041S Standard Error 020042S Median	49.96 1.32473897 49		80 70		ay Cliff Cheo	cks, Univariate	e Scattergra	m		
1 49 7 45 8 46 2 49 4 49 5 49	020040S 020040S Mean 020041S Standard Error 020042S Median 020042S Mode 020042S Standard Deviation	49.96 1.32473897 49 6.62369484		70		ay Cliff Cheo	cks, Univariate	e Scattergra	m 		
1 49 7 45 8 46 2 49 4 49 5 49 10 49	020040S 020040S Mean 020041S Standard Error 020042S Median 020042S Mode 020042S Standard Deviation 020042S Sample Variance	49.96 1.32473897 49 6.62369484 43.8733333				ay Cliff Ched	cks, Univariate	• Scattergra	m 		
1 49 7 45 8 46 2 49 4 49 5 49 10 49 13 48	020040S 020040S Mean 020041S Standard Error 020042S Median 020042S Mode 020042S Standard Deviation 020042S Sample Variance 020047S Kurtosis	49.96 1.32473897 49 6.62369484 43.8733333 7.22299298		70 60		ay Cliff Ched	cks, Univariate	e Scattergra	m 		
1 49 7 45 8 46 2 49 4 49 5 49 10 49 13 48 14 49	020040S 020040S Mean 020041S Standard Error 020042S Median 020042S Mode 020042S Standard Deviation 020042S Sample Variance 020047S Kurtosis 020047S Skewness	49.96 1.32473897 49 6.62369484 43.8733333 7.22299298 2.55829316		70 60		ay Cliff Ched	ks, Univariate	Scattergra	m		
1 49 7 45 8 46 2 49 4 49 5 49 10 49 13 48 14 49 15 47	020040S 020040S Mean 020041S Standard Error 020042S Median 020042S Mode 020042S Standard Deviation 020042S Sample Variance 020047S Kurtosis 020047S Skewness 020047S Range	49.96 1.32473897 49 6.62369484 43.8733333 7.22299298 2.55829316 31		70 60		ay Cliff Chec	cks, Univariate	e Scattergra			
1 49 7 45 8 46 2 49 4 49 5 49 10 49 13 48 14 49 15 47 18 49	020040S 020040S Mean 020041S Standard Error 020042S Median 020042S Mode 020042S Standard Deviation 020042S Sample Variance 020047S Kurtosis 020047S Skewness 020047S Range 020047S Minimum	49.96 1.32473897 49 6.62369484 43.8733333 7.22299298 2.55829316 31 43		70 60 E 50 E 40		ay Cliff Chec	ks, Univariato				
1 49 7 45 8 46 2 49 4 49 5 49 10 49 13 48 14 49 15 47 18 49 19 47	020040S 020040S Mean 020041S Standard Error 020042S Median 020042S Mode 020042S Standard Deviation 020042S Sample Variance 020047S Kurtosis 020047S Range 020047S Range 020047S Minimum 020047S Maximum	49.96 1.32473897 49 6.62369484 43.873333 7.22299298 2.55829316 31 43 74		70 60 E 50 60 40		ay Cliff Chec	ks, Univariate				
1 49 7 45 8 46 2 49 4 49 5 49 10 49 13 48 14 49 15 47 18 49 19 47 22 48	020040S 020040S Mean 020041S Standard Error 020042S Median 020042S Mode 020042S Standard Deviation 020042S Sample Variance 020047S Kurtosis 020047S Karoge 020047S Range 020047S Minimum 020047S Maximum 020047S Sum	49.96 1.32473897 49 6.62369484 43.873333 7.22299298 2.55829316 31 43 74 1249		70 60 E 50 6 40 F 30		ay Cliff Cheo	ks, Univariate				
1 49 7 45 8 46 2 49 4 49 5 49 10 49 13 48 14 49 15 47 18 49 19 47 22 48 23 43	020040S 020040S Mean 020041S Standard Error 020042S Median 020042S Mode 020042S Standard Deviation 020042S Sample Variance 020047S Kurtosis 020047S Kurtosis 020047S Range 020047S Minimum 020047S Maximum 020047S Sum 020047S Sum	49.96 1.32473897 49 6.62369484 43.8733333 7.22299298 2.55829316 31 43 74 1249 25		70 60 E 50 60 40		ay Cliff Cheo	sks, Univariate				
1 49 7 45 8 46 2 49 4 49 5 49 10 49 13 48 14 49 15 47 18 49 19 47 22 48 23 43 24 48	020040S 020040S Mean 020041S Standard Error 020042S Median 020042S Mode 020042S Standard Deviation 020042S Sample Variance 020047S Kurtosis 020047S Kurtosis 020047S Range 020047S Range 020047S Maximum 020047S Sum 020047S Count 020047S Largest(1)	49.96 1.32473897 49 6.62369484 43.8733333 7.22299298 2.55829316 31 43 74 1249 25 74		70 60 සු ⁵⁰ 40 ති 30 20		ay Cliff Chec	eks, Univariate				
1 49 7 45 8 46 2 49 4 49 5 49 10 49 13 48 14 49 15 47 18 49 19 47 22 48 23 43 24 48 25 49	020040S 020040S Mean 020041S Standard Error 020042S Median 020042S Mode 020042S Standard Deviation 020042S Sample Variance 020047S Kurtosis 020047S Kurtosis 020047S Range 020047S Range 020047S Minimum 020047S Maximum 020047S Sum 020047S Count 020047S Largest(1) 020047S Smallest(1)	49.96 1.32473897 49 6.62369484 43.8733333 7.22299298 2.55829316 31 43 74 1249 25 74 43		70 60 E 50 6 40 F 30		ay Cliff Chec					
1 49 7 45 8 46 2 49 4 49 5 49 10 49 13 48 14 49 15 47 18 49 19 47 22 48 23 43 24 48 25 49 16 49	020040S020040S020041SStandard Error020042SMedian020042SStandard Deviation020042SSample Variance020047SSkewness020047SRange020047SMinimum020047SSum020047SSum020047SCount020047SCant020047SSmallest(1)020048SConfidence Level(95)	49.96 1.32473897 49 6.62369484 43.8733333 7.22299298 2.55829316 31 43 74 1249 25 74 43		70 60 50 62 40 57 30 20 10		ay Cliff Chec					
1 49 7 45 8 46 2 49 4 49 5 49 10 49 13 48 14 49 15 47 18 49 19 47 22 48 23 43 24 48 25 49 16 49 12 64	020040S020040S020041SStandard Error020042SMedian020042SStandard Deviation020042SSample Variance020047SSkewness020047SRange020047SMinimum020047SMaximum020047SSum020047SCount020047SCant020047SSmallest(1)020048SConfidence Level(95020051S	49.96 1.32473897 49 6.62369484 43.8733333 7.22299298 2.55829316 31 43 74 1249 25 74 43		70 60 සු ⁵⁰ 40 ති 30 20							
1 49 7 45 8 46 2 49 4 49 5 49 10 49 13 48 14 49 15 47 18 49 19 47 22 48 23 43 24 48 25 49 16 49 12 64 17 47	020040S 020040S 020041S Standard Error 020042S Median 020042S Mode 020042S Standard Deviation 020042S Sample Variance 020047S Skewness 020047S 020047S Minimum 020047S 020047S Maximum 020047S 020047S Count 020047S 020047S Count 020047S Smallest(1) 020047S 020047S Smallest(1) 020047S 020047S	49.96 1.32473897 49 6.62369484 43.8733333 7.22299298 2.55829316 31 43 74 1249 25 74 43		70 60 50 62 40 57 30 20 10		ay Cliff Cheo • • • • • 10				30	
1 49 7 45 8 46 2 49 4 49 5 49 10 49 13 48 14 49 15 47 18 49 19 47 22 48 23 43 24 48 25 49 16 49 12 64 17 47 20 74	020040S 020040S 020041S Standard Error 020042S Median 020042S Mode 020042S Standard Deviation 020042S Sample Variance 020047S Skewness 020047S 020047S Minimum 020047S 020047S Maximum 020047S 020047S Count 020047S 020047S Count 020047S Smallest(1) 020047S 020047S Smallest(1) 020047S 020047S Smallest(1) 020047S 020051S 020051S 020051S	49.96 1.32473897 49 6.62369484 43.8733333 7.22299298 2.55829316 31 43 74 1249 25 74 43		70 60 50 62 40 57 30 20 10			••••	20		30	
1 49 7 45 8 46 2 49 4 49 5 49 10 49 13 48 14 49 15 47 18 49 19 47 22 48 23 43 24 48 25 49 16 49 12 64 17 47 20 74 21 55	020040S 020040S 020041S Standard Error 020042S Mode 020042S Standard Deviation 020042S Sample Variance 020047S Skewness 020047S 020047S Range 020047S 020047S Maximum 020047S Sum 020047S Sum 020047S Sum 020047S Sum 020047S Sum 020047S Count 020047S Confidence Level(95 020051S 020051S 020051S 020051S 020051S	49.96 1.32473897 49 6.62369484 43.8733333 7.22299298 2.55829316 31 43 74 1249 25 74 43		70 60 50 62 40 57 30 20 10				20		30	
1 49 7 45 8 46 2 49 4 49 5 49 10 49 13 48 14 49 15 47 18 49 19 47 22 48 23 43 24 48 25 49 16 49 12 64 17 47 20 74 21 55 3 47	020040S 020040S 020041S Standard Error 020042S Mode 020042S Standard Deviation 020042S Standard Deviation 020042S Sample Variance 020047S Newness 020047S 020047S Maximum 020047S 020047S Sum 020047S O20047S Sum 020047S Count 020047S Confidence Level(95 020047S 020047S Smallest(1) 020047S 020051S 020051S 020051S 020051S 020051S 020051S 020051S 020051S 020051S	49.96 1.32473897 49 6.62369484 43.8733333 7.22299298 2.55829316 31 43 74 1249 25 74 43		70 60 50 62 40 57 30 20 10			••••	20		30	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	020040S 020040S 020041S Standard Error 020042S Mode 020042S Standard Deviation 020042S Standard Deviation 020042S Sample Variance 020047S Kurtosis 020047S Range 020047S Maximum 020047S Sum 020047S Sum 020047S O20047S Sum 020047S Count 020047S Smallest(1) 020047S Sconfidence Level(95 020051S 020051S 020051S 020051S 020051S 020036S	49.96 1.32473897 49 6.62369484 43.8733333 7.22299298 2.55829316 31 43 74 1249 25 74 43		70 60 50 62 40 57 30 20 10			••••	20		30	
1 49 7 45 8 46 2 49 4 49 5 49 10 49 13 48 14 49 15 47 18 49 19 47 22 48 23 43 24 48 25 49 16 49 12 64 17 47 20 74 21 55 3 47	020040S 020040S 020041S Standard Error 020042S Mode 020042S Standard Deviation 020042S Standard Deviation 020042S Sample Variance 020047S Kurtosis 020047S Range 020047S Maximum 020047S Sum 020047S Sum 020047S O20047S Sum 020047S Count 020047S Smallest(1) 020047S Sconfidence Level(95 020051S 020051S 020051S 020051S 020051S 020036S 20036S	49.96 1.32473897 49 6.62369484 43.8733333 7.22299298 2.55829316 31 43 74 1249 25 74 43		70 60 50 62 40 57 30 20 10			••••	20		30	

ehorse	Clay Cliff	soil geoc s - Checks	submitted to Acme Anal	vtical.				
		o onoone						
Ä	s		As		%RSD			
1		020040S]		As, Clay Cliff Checks, Univariante Scattergram
7		020040S		8.956	26.6189		05	AS, Glay Chill Checks, Onivariante Scattergram
8			Standard Error	0.47679765			25	
2		020042S		8.8				
4	9	020042S		9				
5	9.5		Standard Deviation	2.38398826			20	
10	9	0200425	Sample Variance	5.6834			20	
13	9	020047S		14.6983708 3.16591442		ł		
14			Skewness					
15	8.7	020047S 020047S		14.2 4.9		-	15	
18 19		020047S		4.5		ā		
22		0200473 020047S		223.9		a	•	
22		020047S		220.0		As ppm	40	
23			Largest(1)	19.1		1	10	
25			Smallest(1)	4.9		1		
16	9.7	020048S	Confidence Level(95.0%)			1		
12		020051S					5	
17		020051S				1	Ŭ	
20	8.8	020051S						
21	8.7	020051S						
3	9.2	20036S]	0	
6	9.8	20036S						0 5 10 15 20 25 30
9	19.1	20036S						0 5 10 15 20 25 30 Observations
11	8.4	20036S				L		
						_		
N			Ni		%RSD	+		
1	36.6			05 000	40.05040	H		Ni, Clay Cliff Checks, Univariante Scattergram
7	34			35.396 0.86780336	12.25849	+		
8	36 41.2		Standard Error	36		+		
2	41.2	0200425		36.6		÷I	45	
4	38.8		Standard Deviation	4.33901679		+		
10	37	0200425	Sample Variance	18.8270667		Ħ	40	
13		0200420 020047S		6.57884048	-	Ħ	~ ~	
14	36.6	0200475	Skewness	-2.4689999		1	35	
15	35.3			19.4	-	T	30	
18	36.4		Minimum	21.8		T1	SU	
19	35.3		Maximum	41.2]] ;	E 25	
22	35.2	020047S	Sum	884.9			ā ~	
23	35.6	020047S	Count	25			udd 2 5 iz 20	
24	22.2	020047S	Largest(1)	41.2		-∐ ª		
25	37.7	020047S	Smallest(1)	21.8		4	15	
16	34.3	020048S	Confidence Level(95.0%)	1.79105773		4		
12		020051S				4	10	
17		020051S		ļ		-11		
20	39.3			· · · · ·		ЦÍ –	Ę	
21	38.8					-+-		
	35.4	20036S				-11	(
3						11		
3 6 9	36.2 21.8	20036S 20036S				H		0 5 10 15 20 25 30 Observations

	Mineral	Assess	sments -	2002 Fie	ldwor	k															
	Soil an	d Strear	n Sedime	ent Geoc	hemis	stry: Ac	cme Ar	nalytica	al; Analy	/sis: GR	OUP 1	DA - 3(0.0 GM								
	EMR D	uplicate	e Check S	Samples											L						L
	Мо	Cu	Pb	Zn	Ag	Ni	Со	Mn		As		Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La
SAMPLES	ppm	ppm	ppm	ppm	ppm			ppm		ppm			ppm		ppm		ppm	F F	%	%	ppm
97168	0.6	28		51	< 1	30.8	16.2	545	3.26	7.9	0.5								0.47	0.057	12
97632B	0.5	27.3	5.9	49	< .1	28.2	15.6	533	2.97	6.8	0.5	3.2	3	25	0.1	0.3	0.3	82	0.41	0.053	11
													<u>-</u>				-		0.47		
FA02022	0.4	28.5	9.1	52	< .1	27.3	11.7	435		6.7	0.6			33	0.1	0.2		82		0.034	21
FA02022B	0.4	27.8	8.7	51	< .1	27.2	11.2	429	3.1	6.3	0.6	5.1	4.8	32	0.1	0.3	0.4	79	0.44	0.032	20
·								<u> </u>									0.0			0.057	- 10
FA02028A	0.5	32.9	14.3		0.1	21.8	10.6			19.1	0.9				< .1		0.2	58		0.057	19 20
FA02028B	0.5	33.1	14.5	60	0.1	21.9	10.8	563	3.85	19	1	0.8	_7.5	27	0.1	1.2	0.2	61	0.38	0.058	20
								-							0.4	- 00	0.4	81	0.37	0.026	7
RS02S41	0.6	27.9	7.3		0.1	26.1	12.1	409		7.1	0.5				0.1	0.3		81			
RS02S41B	0.6	29.4	7.5	60	0.1	26.7	12.4	407	3.33	7.6	0.4	4	2.9	29	0.1	0.3	0.1	80	0.35	0.027	<u> </u>
									0.07	404.0	0.7	55.0		26	0.1	10.9	0.1	74	0.3	0.033	10
176280	0.9	24.1	7.7		0.2	24.2	12.7	310		191.8		55.3 56.7	1								
176272	0.9	27.6	8.6	65	0.3	25.4	12.6	316	3.28	210.3	0.9	50.7	3.5	31	0.1	12.5	0.2	01	0.37	0.033	<u>├''</u>
470070	0.7	40.0			0.1	31.2	14.5	531	3.29	7.4	0.6	5.7	2.8	30	0.1	1	0.1	92	0.42	0.019	13
176270	0.7	40.8 40				31.2	14.5		3.19									90			
176264	0.7	40	5.6	00	<u> </u>	32.0	- 14	491	3.19	1.5	0.0	4	2.0	29	0.1		0.1	- 30	0.00	0.010	
56474	0.7	4.3	6.5	50	0.1	10.8	2.8	502	0.9	3.6	0.6	68	1.7	94	0.3	0.3	< .1	19	13.47	0.072	11
56473	0.7	4.3				9.3				3.1	0.6	1								-	9
	0.5	4.5	5.0		<u> </u>	3.5	2.0		0.14	0.1	0.0	0			0.2	0.0					
97164	1.1	37.1	7.3	104	0.1	29.5	15.3	662	3.79	9.8	0.9	6.7	3.4	27	0.4	0.4	0.2	100	0.36	0.059	14
97164B	0.9				0.1	28.2	14.8				0.9						0.2	94	0.35	0.058	13
	0.0	00.1														<u> </u>					
97165	0.7	23.3	6.6	66	0.1	22.3	12.2	474	3.48	11.5	0.6	< .5	2.7	33	0.1	0.4	0.1	91	0.46	0.046	8
97605B	0.8		<u> </u>			22.5										0.4	0.1	94	0.54	0.048	8
																				_	
56379	0.2	6.4	5.1	101	0.1	3.2	6.9	490	2.5	2.7	1.5	< .5	3.9	38	0.2	. < .1	< .1	38	0.58		
56379B	0.2	6.3				3.1	6.9				1.5	0.5	6 4	37	0.3	s < .1	< .1	40	0.59	0.175	5 15
			1	1																	
56387	0.8	21	24.1	86	0.2	18.9	10.1	473	2.54	7	1.8	2.2	5.1	48	0.5						
56387B	0.9					17.7	9.9	462	2.47	6.5	1.6	1.7	4.8	45	0.4	0.3	3 0.2	53	3 0.5	0.109) 18
						-															
56390	196.3	187.8	2639.6	594	8.8	6.4	5.5	636	2.38	105.1	17.2	29.1	15.2	27	1.5	5 3.8	8 1	18	0.32	0.059	40

Proposed Kusawa SMA - EMR Duplicate Samples

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Energy Mines and Resources, Yukon Geology Program

						_					-					
ELEMENT					В		Na	K	W	Hg	Sc	TI	S	Ga	Sample	Work
SAMPLES		%					%	%		ppm		ppm	%		gm	Order
97168	36	0.78	134	0.154	2	2.37	0.02	0.09	0.1	0.02	4.9	0.1	< .05			20036S
97632B	33.1	0.71	122	0.136	2	2.18	0.018	0.09	0.1	0.01	4.5	0.1	< .05	6		020041S
			170	0.440		0.40		0.00	0.0	0.00	0		1.05			20036S
FA02022	39	0.88	179	0.149	2	2.16	0.017	0.09	0.2	0.03	5.8	0.1	< .05< .05			20036S
FA02022B	37.7	0.87	174	0.144	3	2.09	0.018	0.09	0.2	0.04	6	0.1	< .05	<u> </u>		200303
FA02028A	27	0.53	66	0.096	1	1.22	0.018	0.16	0.1	0.02	4.2	0.1	< .05	5		20036S
FA02028B	28.3	0.53	65	0.099	2	1.22	0.010	0.15	0.2		4.3	0.1	< .05			20036S
17020200	20.5	0.04		0.000		1.20	0.011	0.10	0.2	0.00				·····		
RS02S41	39.2	0.89	156	0.165	2	2.71	0.017	0.1	0.2	0.02	5	0.1	< .05	7		20036S
RS02S41B	38.2	0.88	152	0.161	2	2.82	0.019	0.1	0.1		4.9	0.1	< .05			20036S
														1		
176280	39.1	0.6	297	0.065	1	2.39	0.021	0.05	0.2	0.03		0.1	< .05			020040S
176272	40	0.64	314	0.087	1	2.78	0.026	0.06	0.1	0.03	5.4	0.1	< .05	8		020040S
176270	49.3	0.7	472	0.155	1	2.43	0.019	0.06	0.1			1	< .05			020040S
176264	49.2	0.7	467	0.146	1	2.35	0.02	0.05	0.1	0.02	8.3	0.1	< .05	7		020040S
									ļ		L					
56474	12.6	4.39	59	0.01	4		0.009	0.05		0.01	1.5	0.2				020042S
56473	10.8	3.43	54	0.008	2	0.35	0.007	0.05	0.1	0.01	1.4	0.1	< .05	1		020042S
07104		0.74		0.400		0.47	0.047	0.4	0.4	0.04	4.5	- 0.4	< 0F	<u> </u>		200266
97164	40	0.71	141	0.132	2	2.17	0.017	0.1	0.1	<u> </u>						20036S 20036S
97164B	38.7	0.67	131	0.129	2	2.11	0.016	0.1	0.2	0.34	4.3	0.1	< .05			200303
97165	33.4	0.85	192	0.159	1	2.29	0.019	0.1	0.1	0.06	4.5	0.1	< .05	8		20036S
97605B	35.4	0.85	178	0.139	1		0.013	0.1	0.1				< .00			020040S
370030	2	0.10	- 17.0	0.17	-	2.01	0.021	0.1	- 0.2	0.00	<u>├</u>	0.1	1.00			0200.00
56379	11.5	0.82	372	0.26	1	1.41	0.046	0.81	< .1	0.01	4.4	0.3	< .05	5 7	15	020047S
56379B	11.6	0.83		0.266	2		0.039	0.83								
								- <u>.</u>		1			1			
56387	29	0.7	143	0.129	2	1.99	0.028	0.14	0.2	0.03	4.1	0.1	< .05	6	30	020047S
56387B	28.1	0.68	138	0.123	1	1.9	0.025	0.13	0.2	0.02	4	0.1	< .05	5 7	30	020047S
			1													
56390	9.7	0.27	115	0.014	1	1.14	0.006	0.15	1	0.03	2.1	0.1	< .05	5 5	30	020047S

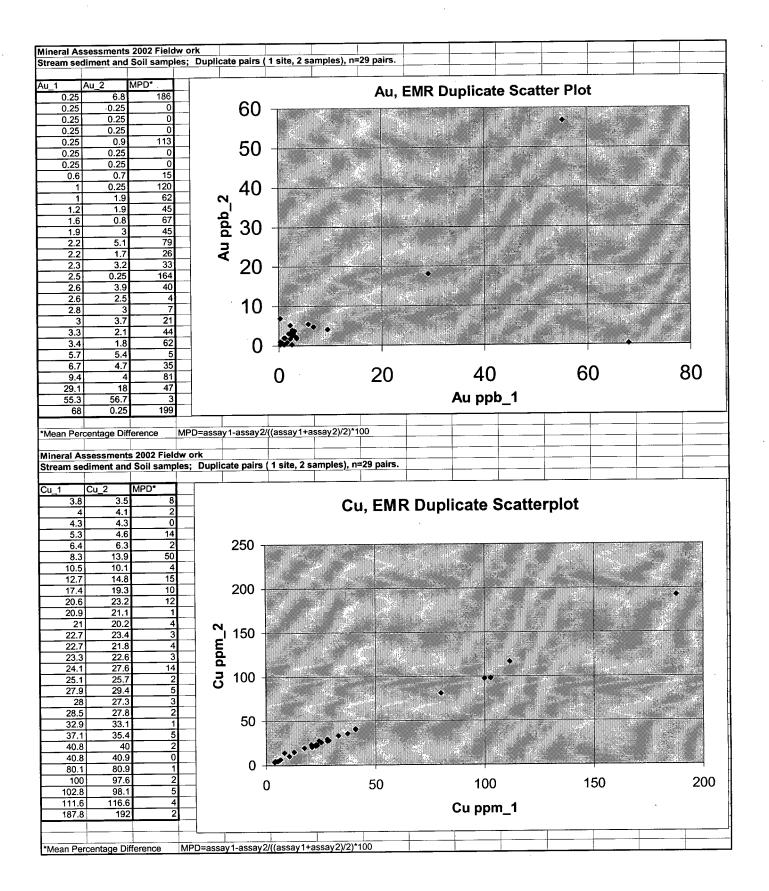
Proposed Kusawa SMA - EMR Duplicate Samples

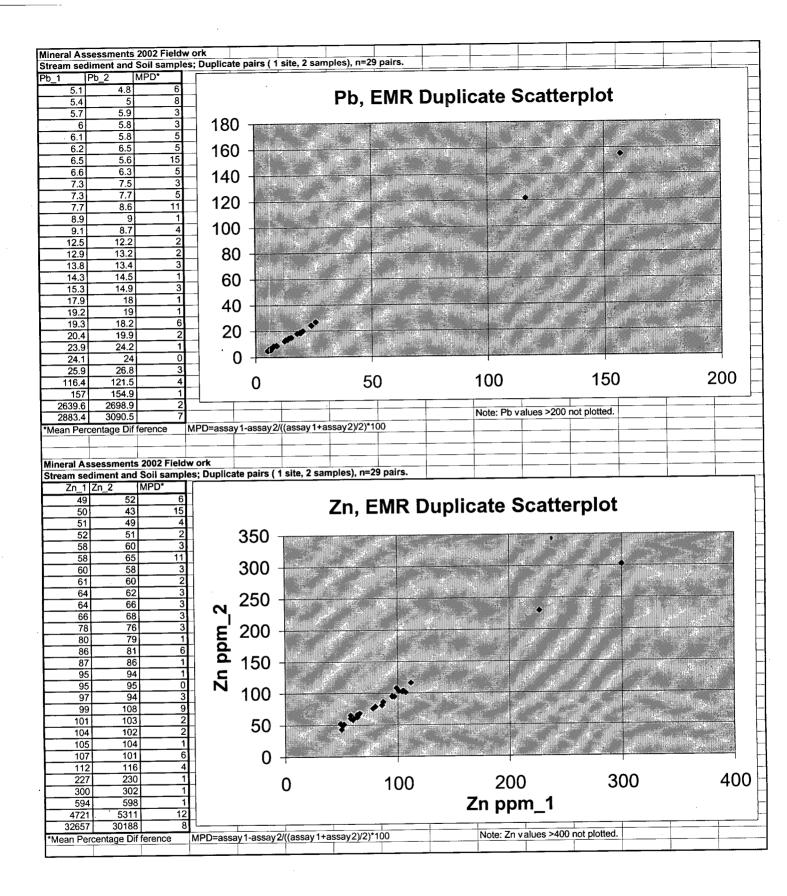
ELEMENT	Мо	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V			La
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
56449B	202.2	192	2698.9	598	8	6.7	5.9	612	2.49	104	17.9	18	15.8	26	1.5	3.8	1	21	0.31	0.054	40
56397	2.5	20.6	17.9	105	0.1	11.6	9	450	2.35	5.5	9.8	2.8	10.9	44	0.4	0.1	0.6	55	0.54	0.164	24
56549B	2.4	23.2	18	104	0.1	11.8	8.6	460	2.7	3.2	9.3	3	10.3	47	0.4	0.2	0.6	55	0.62	0.179	23
																		<u> </u>			
56559	0.9	10.5	15.3	64	0.1	8.1	5.1	434	2.28	6.5	1.5	2.6	4.8	43	0.3		0.1	35	0.38	0.086	51
56559B	0.8	10.1	14.9	62	0.1	8.2	5.2	416	2.23	6.1	1.4	3.9	4.5	41	0.2	0.1	0.1	34	0.37	0.086	49
		<u> </u>																		0.1.14	- 10
56575	1.3	22.7	6	97	0.1	10.3	9.8	505	2.99	9.3	1.6	1.2	4.9	25	0.1	0.1	0.1	56	0.41	0.141	19
56575B	1.2	23.4	5.8	94	0.1	10.3	10	528	3.06	9.2	1.7	1.9	4.8	_26	0.2	0.1	0.1	55	0.41	0.137	19
								0.00	1.00	40.0			45.5		0.0	0.0	4 4		0.2	0.076	28
97685	0.9	22.7	13.8	78	0.1	8.1	4.7	366	1.96	10.3	5.7	<.5	15.5	13	0.2	0.2	1.1	28 29	0.2		
97685B	0.9	21.8	13.4	. 76	0.1	8.2	4.7	375	1.97	9.9	5.4	< .5	15.2	13	0.3	0.1	1.7	29	0.10	0.077	20
07000	- 0.0	00.0	40 5	- 07	0.1	<u> </u>	4.6	454	2	10.4	6.7	< .5	15.6	11	0.2	0.1	1.4	26	0.14	0.073	25
97688	0.8	20.9	12.5 12.2	87 86	0.1	6.8 6.3	4.6 4.8	454 470		10.4	6.9		15.9	12	0.2		1.4		0.14	· · · · · · · · · · · · · · · · · · ·	
97688B	0.9	21.1	12.2	00	0.1	0.3	4.0	470	2.00	10.5	0.9	<u> </u>	15.9	12	0.2	0.1	1.0		0.14	0.070	- 20
97719	1.6	5.3	6.2	80	0.1	2.2	5	681	2.6	3.5	8.8	< .5	33.8	41	0.1	< .1	0.1	34	0.38	0.095	38
97719B	1.6	4.6	· · · · · ·	79		2.2	5	686	1	3.3	9.1	0.9		41	0.1			<u> </u>		0.093	
977190	1.0	4.0	0.0		<u> </u>			000	2.00	0.0		0.0		· · ·							
97728	0.4	25.1	8.9	64	0.2	40.8	17.5	602	3.01	3.7	0.7	1.9	9	111	0.2	0.1	0.1	78	2.53	0.092	18
97733B	0.4	25.7	9	66		42.6	18.3	627	f	3.4	0.7	3		113	0.2		0.1	80	2.57	0.091	18
56490	2	3.8	25.9	99	0.1	2.8	1.6	223	1.26	4.5	4.9	1	15.7	8	0.1	0.1	0.2	7	0.1	0.012	54
56491	2.1	3.5	26.8	108	·0.1	2.8	1.5	231	1.32	3.9	5.8	< .5	16.6	9	0.1	0.1	0.2	5	0.1	0.011	60
	· · · · ·																				
56457	0.6	12.7	116.4	4721	0.4	14	5.2	1210	2.96	54.6	1.5				12.5		0.1		1	0.082	
56458	0.6	14.8	121.5	5311	0.5	13.1	4.6	1328	3.12	65	1.6	1.9	1.4	37	13.6	9.8	0.1	29	10.48	0.1	7
140378		111.6			0.1	45.3	30.7	861		17.8					0.5						1 1
140379	1	116.6	18.2	101	0.1	45.1	30.3	865	5.49	18	0.3	1.8	3.1	16	0.8	0.7	0.2	75	0.46	0.062	19
												ļ	<u> </u>		<u> </u>					0.00	
140380				95		42	29.7	1006												1	
140381	1	98.1	19	94	0.1	40	29.5	934	4.94	18.6	0.4	2.5	2.5	14	0.5	0.6	0.3	63	0.28	0.064	11
		ļ		ļ	<u> </u>							-							0.01	0.007	
140383		· · · · · · · · · · · · · · · · · · ·				40.5	29														
140384	11	97.6	19.9	95	0.1	40.7	28.5	953	5.09	19.8	0:4	2.1	3.1	17	0.5	0.8	8 0.3	62	0.3	0.067	/ 19

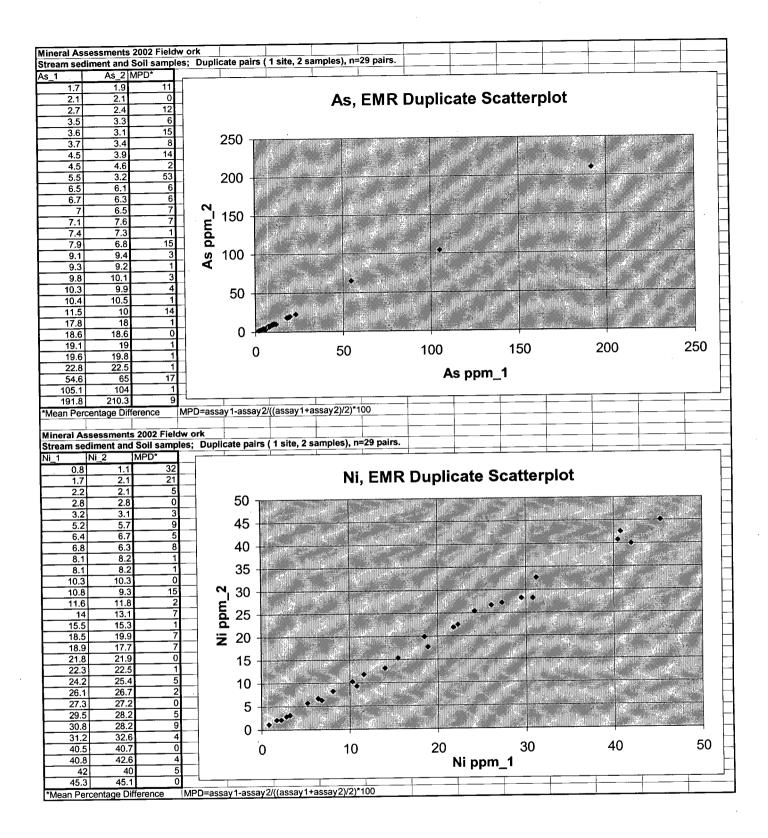
ELEMENT	Cr	Mg	Ва	Ti				K	W	Hg	Sc		S	Ga	Sample	Work
			ppm	%	ppm	%	%	%	ppm	ppm		ppm	%		gm	Order
56449B	12.1	0.27	117	0.013	< 1	1.1	0.005	0.12	1.1	0.03	2.5	0.1	< .05	5		020051S
															·	
56397	29	0.7	139	0.115	< 1	1.24	0.018	0.16	0.4	0.02	3.2	0.2	< .05	5		020047S
56549B	32.6	0.77	157	0.12	1	1.41	0.018	0.17	0.3	0.01	3.7	0.2	< .05	6	ļ	020051S
											0.0	0.4		-		020047S
56559	16.9	0.39	164	0.056	1	1.52	0.011	0.12	0.2	0.01	2.8	0.1				
56559B	15.9	0.38	152	0.056	1	1.45	0.011	0.11	0.2	< .01	2.7	0.1	< .05	0		0200473
E CEZE	23.3	0.9	251	0.263	1	2.2	0.019	0.51	0.1	0.01	4.1	0.4	< .05	9	30	020047S
56575 56575B	23.3	0.9	251	0.203	1	2.24	0.019	0.51	0.1	0.02	3.8	0.3			1	
		0.07	200	0.204		2.47	0.017	0.01	0.1	0.02						
97685	11	0.34	208	0.123	1	1.41	0.018	0.23	1.3	0.01	3.5	0.2	< .05	6	30	020047S
97685B	11.3	0.34	196		1	1.43	0.015	0.21	1.2	0.02		0.2				020047S
97688	9.1	0.34	303	0.14	1		0.012	0.3		< .01	3.3					020047S
97688B	8.6	0.34	319	0.144	1	1.67	0.013	0.3	1.3	0.02	3.5	0.3	< .05	7	30	020047S
																0000 170
97719		0.52	389			(0.014			0.01	1					
97719B	6.9	0.51	387	0.198	2	1.33	0.02	0.59	0.2	0.01	3.2	0.4	< .05		7.5	020047S
07700	00.7	0.00	000	0.040		4.62	0.153	0.7	0.3	< .01	8.3	0.5	< .05	14	30	020047S
97728		2.32											1			
97733B	84.3	2.30	919	0.224	2	4.00	0.155	0.72	0.5	× .01	0.4	0.0	<u> </u>			0200410
56490	6.1	0.12	24	0.009	< 1	0.64	0.004	0.09	0.2	0.01	1	0.1	< .05	3 3	30	020047S
56491	-				< 1											
	- 0.7	0.11	0	0.007							-		1.			
56457	15.6	4.95	183	0.006	2	0.74	0.005	0.02	0.1	11.8	2.8				3	020051S
56458			1				0.006	0.03	0.1	12.56	3.2	0.2	0.1	4	l	020051S
														<u> </u>		
140378																020051S
140379	42.4	1.66	6 99	0.004	5	2.18	0.004	0.07	' < .1	0.07	7.3	0.1	0.16	8 8	3	020051S
					<u> </u>			-				0.1	- 05		,	020051S
140380				1	_	-					_					0200515
140381	35.8	1.3	8 86	0.003	8 2	1.78	0.003	0.04	< .1	0.06	0.0	0.1	0.07		<u></u>	0200313
140000	36.4	1.29	97	0.005	3 3	1.9	0.004	0.07	/ <.1	0.43	3 7.4	0.1	< .05	5 6	6	020051S
140383 140384															3	0200518
140384	<u> 34.5</u>	1.3		0.005	<u> </u>	1.04	0.004	0.00	<u></u>	0.07	1.	0.1	0.10		·	020010

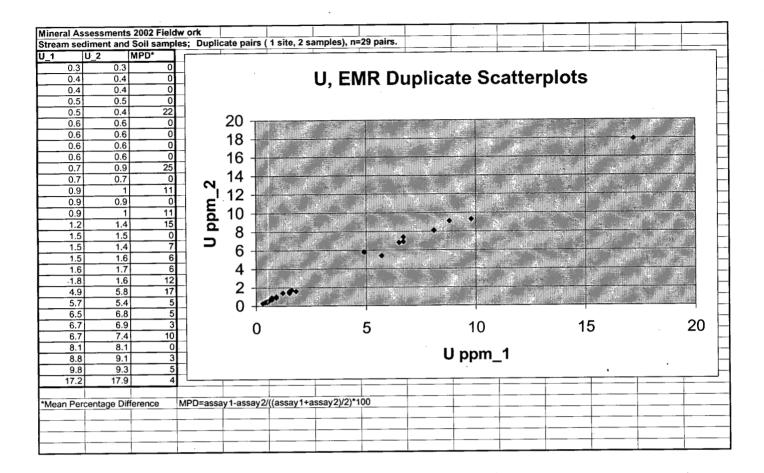
ELEMENT	Мо	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Ū	Au	Th	Sr	Cd	Sb	Bi	V	Са	P	La
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm
140387	3.7	4	2883.4	32657	0.3	1.7	1.1	3196	20.63	9.1	0.9	< .5	0.5	41	58.5	0.1	< .1	1	9	0.047	4
140388	3.7	4.1	3090.5	30188	0.3	2.1	1.1	3091	20.24	9.4	1	< .5	0.6	43	62.6	0.1	< .1	1	9.77	0.055	4
													ļ					ļ			
176252	3.8	8.3	23.9	112	0.2	5.2	5	503	1.94	2.1	6.5	2.5	8.7	62	0.5	0.1	0.4			0.057	15
176253	3.6	13.9	24.2	116	0.2	5.7	5.2	519	2.01	2.1	6.8	< .5	9.4	65	0.6	0.1	0.5	22	0.31	0.063	17
													<u> </u>								
176389	0.2	17.4	5.4	49	< .1	18.5	8.4	288	2.16	1.7	1.2	< .5	7.7	25	0.1	< .1	0.1	46	0.42	0.058	21
176390	0.2	19.3	5	52	0.1	19.9	9.3	309	2.33	1.9	1.4	< .5	7.8	26	0.1	< .1	0.1	49	0.41	0.062	21
470444		40.0	40.0	007	0.1	45.5		450	4 70	4.5	67	3	45.5	46	4 5	0.1	0.5	42	0.45	0.067	
176444	1.2					15.5		-		4.5	6.7										
176445	1	40.9	13.2	230	0.2	15.3	5.9	462	1.79	4.6	7.4	3.7	15.3	48	1:4	0.1	0.5	43	0.47	0.066	22
176606	2.1	80.1	157	300	2	0.8	3.9	886	1.74	22.8	8.1	0.6	13.2	83	2.5	0.3	1.4	11	0.41	0.044	23
176607	2	80.9			1.9	1.1	3.9			22.5	8.1	0.7	12.9					11	0.38	0.042	

ELEMENT	Cr	Mg	Ва	Ti	В	AI	Na	К	W	Hg	Sc	TI	S	Ga	Sample	Work
SAMPLES	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	gm	Order
			1									1				
140387	1.4	4.93	12	0.001	1	0.05	0.005	0.01	< .1	1.4	1.1	86	0.59	2		020051S
140388	1.6	5.36	13	0.001	1	0.06	0.005	0.02	0.1	1.38	1.1	82.7	0.64	2		020051S
176252	9.4	0.39	404	0.104	3	1.38	0.017	0.24	0.3	0.01	2.6	0.2	< .05	6	1	020047S
176253	9.4	0.4	404	0.105	3	1.43	0.018	0.25	0.3	0.03	2.8	0.2	< .05	7	1	020047S
176389	36.5	0.77	120	0.145	< 1	1.65	0.026	0.33	0.3	0.01	4.6	0.2	< .05	6	15	020047S
176390	39.6	0.81	126	0.149	1	1.73	0.03	0.36	0.2	0.01	4.8	0.2	< .05	7	30	020047S
176444	18.6	0.43	107	0.051	1	1.33	0.017	0.17	0.3	0.02	3.2	0.2	< .05	6	30	020047S
176445	18.4	0.44	108	0.052	1	1.41	0.014	0.17	0.4	0.01	3.1	0.2	< .05	6	30	020047S
176606	2.2	0.24	328	0.059	1	1.01	0.012	0.22	0.4	0.02	2.3	0.1	< .05	4		
176607	2.3	0.23	311	0.058	< 1	1	0.011	0.21	0.3	< .01	2.3	0.1	< .05	4	15	020047S









	Minera		• • • •																			
	Soil a	nd Str	eam Se	edime	nt Geo	chemi	stry: A	cme A	nalytic	al; An	alysis:	GROU	JP 1DA	- 30.0	GM							
	Acme	Analy	tical L	ab (in	house) Dupli	cate C	heck S	Sample	es												
ELEMENT	Мо	Cu	Pb	Zn	Ag	Ní	Со	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V		Ρ	La	Cr
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm _	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm
176270A	0.6	24.8	6.5	49	0.1	36.6	8.9	421	1.98		1	2.2	3.6	62	0.2	0.7	0.1	44	2.14		11	
RE 176270A	0.7	24.1	6.3	48	0.1	37.3	9	419	2.02	6.7	1	2.5	3.6	64	0.2	0.6	0.2	_ 44	2.16	0.07	11	37.9
176359A	0.8	25.2	7.3				9.8	441	2.05			3.3	3.9	68	0.3	0.7	0.1	46	2.34	0.08	12	
RE 176359A	0.7	27.3	7.3	54	0.1	40.4	10.3	411	2.13	9.9	1.3	5.1	3.9	71	0.1	0.8	0.1	47	2.5	0.08	12	44.9
176457	0.5	18.2	4		1	19.9	9.8	322	2.52				1.8		0.1	0.4	0.1	79		0.07		
RE 176457	0.5	18.1	3.8	56	< .1	19.6	9.8	314	2.48	4.1	0.5	2.3	1.7	39	0.1	0.3	0.1	75	0.7	0.07	8	28.2
										<u> </u>				70	0.0	0.0	0.4		0.40	0.00		40.9
176515A	0.6	26.5				37	9.7	443		1		3.6	3.8	70 76	0.2 0.2	0.6	0.1	44 46				
RE 176515A	0.7	27.8	7.4	53	0.1	39.5	10	472	2.19	8.8	1.1	3.7	4.1	/0	0.2	0.7	0.1	40	2.15	0.00	12	43.8
176531	0.4	23.6	3.6	53	0.1	28.6	10.4	314	2.2	7.2	0.5	1.7	2	38	0.1	0.3	0.1	61	0.77	0.1	10	37.
RE 176531	0.4	23.0	3.0				10.4					5		38		0.3	0.1	59	1	0.1		
RE 170331	0.4	22.4			0.1	20.1	10.5	230	2.10	1.5	0.0		1.5		0.1		0.1	00	0.10			00.
97171	0.7	42	6.1	84	<.1	35.5	13.5	481	3.83	8.5	0.8	7.4	4.9	39	0.1	0.4	1	90	0.47	0.03	17	54.
RE 97171	0.7	39.9					13.9								1	0.3	0.9	88		0.03	<u> </u>	1
	0.1	00.0																				
RS02S14A	0.8	24.1	6.7	47	0.1	35.8	9.2	413	1.95	8.4	1	4.7	3.7	66	0.2	0.6	0.1	43	2.03	0.07	11	38.
RE RS02S14A	0.7	24.2	6.5	47	0.1		9.5	429	2	8.5	1.1	3.5	3.6	65	0.2	0.6	0.1	44	1.99	0.08	11	38.
					-																	
140353	11.9	11.3	7.3	22	0.3	10.8	0.8	11	0.39				1	117	0.3	1.9	0.1	28			2	
RE 140353	11.7	11.3	7.3	21	0.3	10.7	0.7	11	0.38	3.3	1.9	0.8	0.9	117	0.3	1.9	0.2	28	0.24	0.01	2	2 2.
176405		2.6				4.8										< .1	0.3			1		
RE 176405	1.7	2.3	19.2	176	0.1	4	11.4	1169	5.86	4.2	4.1	< .5	14.5	119	0.3	< .1	0.3	36	2.13	0.25	46	6.
			<u> </u>	ļ		<u> </u>	L												0.05			
176453		19.8					8.2					_	13.4			0.2	0.2					
RE 176453	1.4	20.5	27.8	91	0.2	11.7	7.6	555	2.2	5.9	8.3	1.5	12.3	24	0.5	0.2	0.2	35	0.22	0.08	18	3 16.
				-		<u>-</u>		040		0.0	1		0.7	0.4	0.4		0.0		0.20	0.06	40	10
56365	_	17.7	4.8			7		312	1						0.1	0.1	0.2				1	
RE 56365	0.3	16.7	4.5	32	2 < .1	6.6	4.7	288	1.26	2.2	1.7	< .5	8.2	23	0.2	0.1	0.2	24	0.29	10.06	13	

												·········			
· · ·									· ··						
ELEMENT	Mg	Ва	Ti	B	AI	Na	K	Ŵ	Hg	Sc	TI	S	Ga	Sample	Work
SAMPLES	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	gm	Order
176270A	0.85	150	0.09	2	1.15	0.03	0.11	0.2	0.02	3.6	0.1	0.11	4		020040S
RE 176270A	0.86	158	0.09	1	1.17	0.03	0.1	0.2	0.02	3.6	• 0.1	0.09	4		020040S
176359A	0.96	156	0.1	2	1.1	0.03		0.2	0.02	4.2	0.1	0.07	4		020042S
RE 176359A	0.97	170	0.1	2	1.12	0.03	0.13	0.2	0.01	4.3	0.2	0.06	4		020042S
													l		
176457	0.67	107	0.13	1	1.49	0.04	0.06	0.4	0.04		< .1	< .05	5		20036S
RE 176457	0.68	105	0.12	2	1.45	0.04	0.05	0.4	0.02	3.8	< .1	< .05	5		20036S
					'					ļ					
176515A	0.93	151	0.08			0.02	0.1	0.2			-	0.11	4		020042S
RE 176515A	0.95	164	0.09	2	1.12	0.03	0.11	0.2	0.01	3.6	0.1	0.06	4	•	020042S
															0000400
176531	0.7	101	0.13			0.04	0.07								020040S 020040S
RE 176531	0.7	101	0.12	1	1.39	0.04	0.07	0.1	0.02	3.7	<.1	< .05	5		0200405
	-	100	0.10		0.74	0.00	0.00	0.0	0.00	7.3	0.2	< .05	0		20036S
97171	1.01	168													200365
RE 97171	1.01	168	0.19	1	2.64	0.02	0.23	0.1	0.02	1.0	0.2	<u> </u>	0	<u> </u>	200303
	0.00	140	0.00		1.04	0.02	0.12	0.2	< .01	3.5	0.1	0.07	4		20036S
RS02S14A	0.89	1	1												200365
RE RS02S14A	0.89	143	0.08	I	1.04	0.02	0.11	0.2	0.01	0.0		0.00			200000
140353	0.02	1771	0	3	0.1	0	0.06	0.1	0.14	0.7	1	0.08	< 1		020051S
RE 140353															020051S
NE 140333	0.02	1757			. 0.1		0.00	0.1	0.10	0.0					
176405	1.14	115	0.05	< 1	0.54	0.01	0.24	<.1	< .01	5.8	0.1	< .05	4	30	020047S
RE 176405															
			0.01						1	+			-		
176453	0.51	246	0.12	1	1.55	0.02	0.22	0.3	0.02	2 4.1	0.2	< .05	6	3 30	020047S
RE 176453											3 0.2	< .05	5 6	3 30	020047S
		+			1					1	1	-		_	
56365	0.36	105	0.08	1	0.79	0.01	0.15	0.5	0.01	1.9	0.1	< .05			
RE 56365			-		0.76	0.01	0.14	0.5	5 < .01	1.8	3 0.1	< .05	5 3	3 30	020047S
	1			-			1	1							

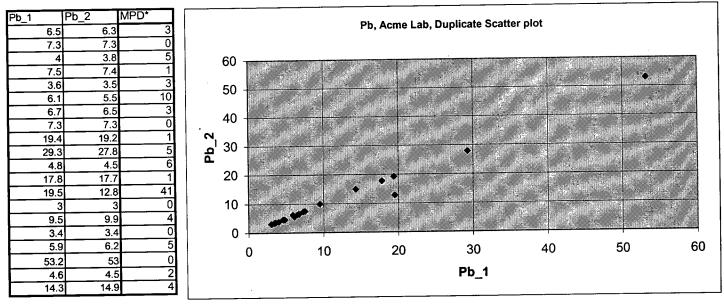
ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi			Р	La	Cr
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ррт	ppm	ррт	ppm	ppm	%	%	ppm	ppm
56399	6.3	16.1	17.8	73	0.1	10.7	6	290	1.97	7.3	7.3	< .5	16.3	14	0.2	0.2	0.3	38	0.16	0.07	22	22.2
RE 56399	6.8	16.2	17.7	70	0.1	10.6	5.8	287	1.95	7.5	7.4	< .5	15.4	14	0.2	0.2	0.3	39	0.16	0.07	22	22.2
												ļ										
56428A	0.7	25.6	19.5	74		39.3	10.2		2.16	8.8	1.1		4.2		0.2	0.7	0.1	48	2.2		12	
RE 56428A	0.7	24.8	12.8	62	0.1	37.3	9.4	405	2.06	8.1	1	2.2	3.9	64	0.2	0.5	0.1	45	2.08	0.06	11	39.5
													- 10	50	0.4				0.40	0.40	10	
56514	0.2	15.6	3	31			7.9			2.1	0.8			f		0.1	< .1	68		0.13		
RE 56514	0.2	15.8	3	31	< .1	9.8	8.1	187	1.74	1.9	0.8	< .5	4.3	59	0.1	0.1	< .1	67	0.47	0.12	12	28.4
50540	00.0	50.0	0.5	005	0.0	444	0.0	450	1.00	25.7	2.2	1 5	2.1	179	15.2	15.9	0.1	229	3.94	0.09	7	15.1
56543	36.2	56.9	9.5	885	0.6		8.6			25.7 25.3	3.3 3.5			186			0.1	223	4.06	0.09		14.8
RE 56543	36.3	56.4	9.9	906	0.6	141	8.8	155		20.5	3.0	1.5	2.2	100	13	10.0	0.1		4.00	0.03		14.0
56576	0.4	8.7	3.4	72	0.1	4.7	6.5	394	2.2	9.3	1.6	1.5	6.6	26	0.1	0.1	0.1	36	0.54	0.19	25	12.4
RE 56576	0.4	<u> </u>	3.4	74	0.1	4.7	6.5			9.5			6.7		0.1	0.1	<.1	37	0.55			
RE 30370	- 0.4	9.0	5.4		0.1	4.7	0.5	- 550	2.20	0.0	1.0	2.1	0.1			0.1			0.00			
97234B	0.5	21.8	5.9	55	< 1	23	11.9	468	3.25	5.3	0.6	1.6	3	31	0.1	0.3	0.1	82	0.39	0.04	8	30.7
RE 97234B	0.5	21.4	6.2	58			11.5		<u> </u>	5.6				33	0.1	0.3	0.1	85	0.41	0.04	9	27.5
															-							
97644	1.4	20.9	53.2	125	0.3	15	9.1	446	2.5	10.3	5.6	1.6	9.8	32	0.5	0.3	0.6	44	0.29	0.09	36	23.7
RE 97644	1.2	20.7	53	124	0.3	13.9	8.7	439	2.4	9.9	5.7	1.2	9.8	32	0.5	0.3	0.5	45	0.28	0.09	35	22.8
97700	0.3	7.5	4.6	48	< .1	6.4	4	291	1.53	3.4			7.2			0.1	0.1	29	f	0.1		
RE 97700	0.4	7.5	4.5	49	< .1	6.3	4.2	298	1.54	3.4	2.3	< .5	7.3	21	0.2	0.1	0.1	31	0.34	0.1	24	11.5
																						<u> </u>
97750	0.1	13.8	14.3	64		6.1	7.6													0.13		
RE 97750	0.1	12.3	14.9	61	0.1	5.7	7.8	280	1.55	1.4	1.2	! < .5	4	35	0.1	< .1	0.2	41	0.41	0.13	11	15.4

ELEMENT	Mg	Ва	Ti	В	Al	Na	K	W	Hg	Sc	TI	S	Ga	Sample	Work
SAMPLES	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	gm	Order
56399	0.4	92	0.09	1	1.45	0.01	0.12	0.5	0.02	3.3	0.2	< .05	6	30	020047S
RE 56399	0.41	92	0.09	< 1	1.46	0.01	0.12	0.5	0.02	3.3	0.2	< .05	6	30	020047S
56428A	1	150	0.08	3	1.14	0.03		0.2	0.03		0.1	0:08	4		020051S
RE 56428A	0.93	142	0.08	2	1.06	0.02	0.1	0.2	0.06	3.7	0.1	0.07	4	<u> </u>	020051S
								· 							
56514	0.48	100	0.07	< 1	1.1	0.04		0.1	0.01	1.4	< .1	< .05			020047S
RE 56514	0.46	96	0.08	1	1.08	0.04	0.07	0.1	0.01	1.4	0.1	< .05	3	30	020047S
															0000540
56543			0	6	0.36	0	_	0.2	0.11	4.4	1.3	0.13			020051S
RE 56543	0.19	1060	0	6	0.36	0	0.09	0.1	0.13	4.4	1.3	0.1	1	·	020051S
											0.0				0000478
56576			0.22	1	1.33	0.02		0.1	< .01		0.3	< .05			
RE 56576	0.69	230	0.23	< 1	1.37	0.02	0.49	0.1	< .01	3.3	0.3	< .05	7	30	020047S
					0.07	0.00		0.1	0.00	10	0.1	< .05	7	,	020051S
97234B	0.77			1	2.07	0.02		0.1	0.02			< .05	· ·		020051S
RE 97234B	0.78	227	0.12	1	2.2	0.01	0.11	0.1	0.03	4.6	0.1	< .05			0200313
07044	0.57	455	0.1	1	1.86	0.02	0.13	0.2	0.02	3.9	0.2	< .05	7	30	020047S
97644					1.76							< .05			
RE 97644	0.55	151	0.1	-	1.70	0.02	0.13	0.2	0.02	. 0.7	0.2	00			0200110
97700	0.32	121	0.11	< 1	1.12	0.02	0.17	0.2	0.01	2.8	0.2	< .05	4	30	020047S
RE 97700															
	0.34	125	0.11	-	1.13	0.02	. 0.11	0.6							
97750	0.6	126	0.1	< 1	1.62	0.02	0.11	0.1	< .01	2.3	0.1	< .05	5 5	5 30	020047S
RE 97750				1	1.53										

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2002 Acme Lab Duplicates

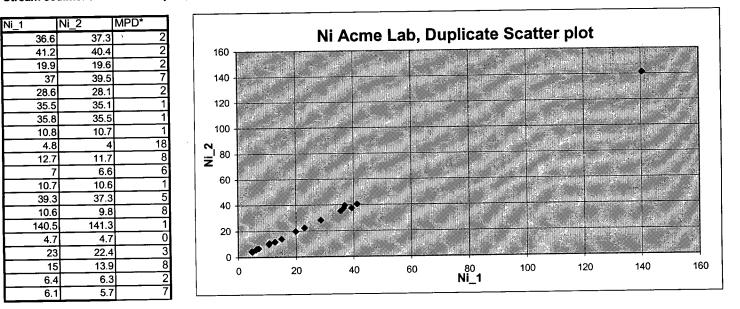
Mineral Assessments 2002 Fieldwork Stream sediment and Soil samples; Acme Lab Duplicate pairs (1 sample, 2 splits), n=22 pairs.



*Mean Percentage Difference

MPD=assay1-assay2/((assay1+assay2)/2)*100

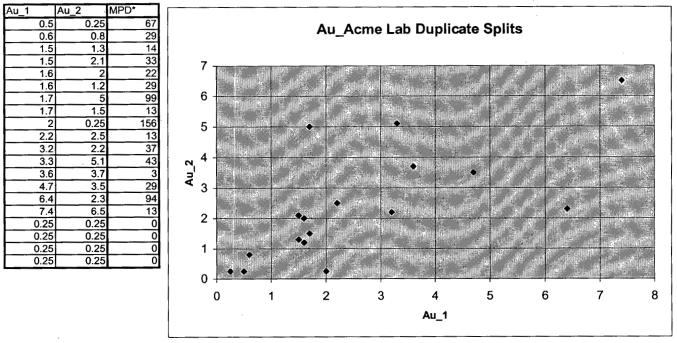
Mineral Assessments 2002 Fieldwork Stream sediment and Soil samples; Acme Lab Duplicate pairs (1 sample, 2 splits), n=22 pairs.



*Mean Percentage Difference

MPD=assay1-assay2/((assay1+assay2)/2)*100

Mineral Assessments 2002 Fieldwork Stream sediment and Soil samples; Acme Lab Duplicate pairs (1 sample, 2 splits), n=22 pairs.

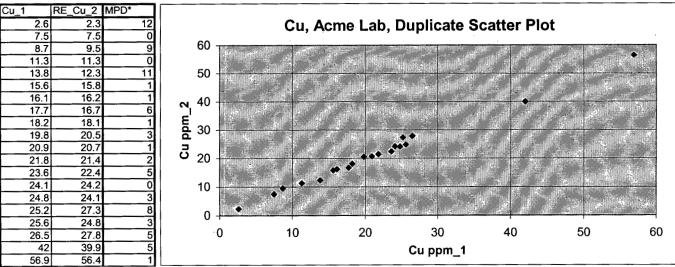


*Mean Percentage Difference

MPD=assay1-assay2/((assay1+assay2)/2)*100

Mineral Assessments 2002 Fieldwork

Stream sediment and Soil samples; Acme Lab Duplicate pairs (1 sample, 2 splits), n=22 pairs.



*Mean Percentage Difference MPD=assay1-assay2/((assay1+assay2)/2)*100

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