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ASSESSMENT REPORT



LITHOQUEST
RESOURCES INC.



September 15,
2022

Gold Standard Project, Kenora District
2022 Field Program

For: Lithoquest Resources Inc.
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Assessment Report

GOLD STANDARD PROJECT – 2022 FIELD PROGRAM

SUMMARY

Between June 8th and June 22nd, 2022, a mapping and prospecting field program was completed on the Gold Standard Project which is under option to Lithoquest Resources Inc. The property is located in the Kenora District approximately 65km southwest of Dryden Ontario. Lithoquest Resources and Bayside Geoscience, based out of Thunder Bay, Ontario completed the mapping and prospecting program with a crew of 4 personnel comprised of a field geologist, Lithoquest's operation manager, and two field assistants. The field crew mobilized to site by road, with accommodations located at two separate locations adjacent to the property, at the corner of Penasi and Syndicate Road and at the Barker Bay Resort.

The goal of this field program was to confirm and identify structural trends related to gold-bearing mesothermal vein system at the historical HW 271 showing and to explore their extents locally, as well as investigate property-scale geophysical lineaments/structural breaks identified by Lithoquest Resources management team using a variety of exploration techniques including prospecting, geological mapping, soil and tree bark sampling.

A total of 86 outcrop stations were recorded and 76 grab samples, 154 soil samples and 169 bark samples were collected and submitted for assay and geochemical analysis. At the time of writing, assay results are still pending. An updated report will be filed after the results are returned to Lithoquest Resources. Soil and grab samples were analyzed at Bayside Geoscience's core shack in Thunder Bayh utilizing a portable XRF and results of that sampling are presented herein.

INTRODUCTION

Between June 8th and June 22nd, 2022 Lithoquest Resources initiated a prospecting and mapping program on their 100% owned Gold Standard Project, located in the Kenora Mining District, Ontario, Canada. Lithoquest Resources contracted Bayside Geoscience to complete the program which was staffed by a team of 4 personnel: Jake Dove (Field Geologist), Matt Cuddy (Lithoquest Operations Manager), Marcus Brassard (Field Assistant) and Nathan Nodin (Field Assistant). Jake Dove, along with Steven Flank, P. Geo, oversaw all operations and were responsible for the final data compilation, interpretation, and the technical contents of this report.

The co-ordinate system used throughout this report is in UTM NAD 83 Zone 15N.

1. LOCATION AND ACCESS

The Gold Standard Property (MDI52F03NE00005) is located within the Kenora Mining Division in northwestern Ontario approximately 65 km southwest of Dryden and 68 northeast of Fort Frances Ontario (Figure 1).

The Gold Standard Property is accessible by road indirectly off of Highway 502 approximately 116 km south of Dryden, heading northwest along Cedar Narrows Logging Road for 53km, east on East Penasi Road for 13km, and then heading south on Syndicate Lake Road for 8km to reach the north end of the property. Alternatively, the east side of the Gold Standard Property can be accessed by boat, traveling from the western shore of Lower Manitou Lake approximately 3km west through Phairs Lake and Flossie Lake.

During the 2022 field program the crew mobilized via trucks to the corner of East Penasi Road and Syndicate Lake Road on June 8th, setting up a remote basecamp comprised of a camper trailer and tents. The crew travelled from the basecamp via ATV to access the property. On June 17th the crew demobilized camp and moved to the Barker Bay Resort on Lower Manitou Lake which provided accommodations for the second portion of the field program. A 16' boat and motor was rented from resort and utilized throughout this portion of the field program to access work areas from Flossie Lake. On June 22nd the crew demobilized from Barker Bay Resort, being dropped off at the public boat launch by the resort workers at the south end of Lower Manitou Lake before travelling to Thunder Bay, Ontario by road to end the program.



Figure 1: Gold Standard Property Location.

2. PROPERTY OWNERSHIP AND CLAIMS

The Gold Standard Property is located in the Kenora Mining Division and is comprised of 283 contiguous mining claims totaling 5, 943 ha. All claims are either 100% owned by Lithoquest Resources, or currently under option to own, with current owners summarized in Appendix A. Claim locations are shown in Figure 2.

3. EXPLORATION HISTORY

Minimal mineral exploration has occurred in the Gold Standard Property area since the initial shaft development in 1902. A summary of exploration is presented below in Table 1.

Table 1: Summary of Exploration History on the Gold Standard Property.

Company	Year	Activity	Target Area
Gold Standard Mining Co.	1902-1903	Shaft sinking	Gold Standard HW 271 Showing
Ontario Division of Mines	1934, 1976	Property visits and sampling	Gold Standard HW 271 Showing
Ontario Geological Survey	1990, 1991	Compilation and mapping projects	Gold Standard Property Area
Canhorn Mining Corp.	1989	Airborne magnetometer and electromagnetic survey, surface sampling	Gold Standard Property Area
Teck Explorations Ltd.	1989	Compilation	Gold Standard Property Area
Temex Resources Corp.	2004	Mapping, prospecting, detailed mapping and channel sampling, reconnaissance soil sampling	Gold Standard HW 271 and Roadside North Showings, Gold Standard Property Area

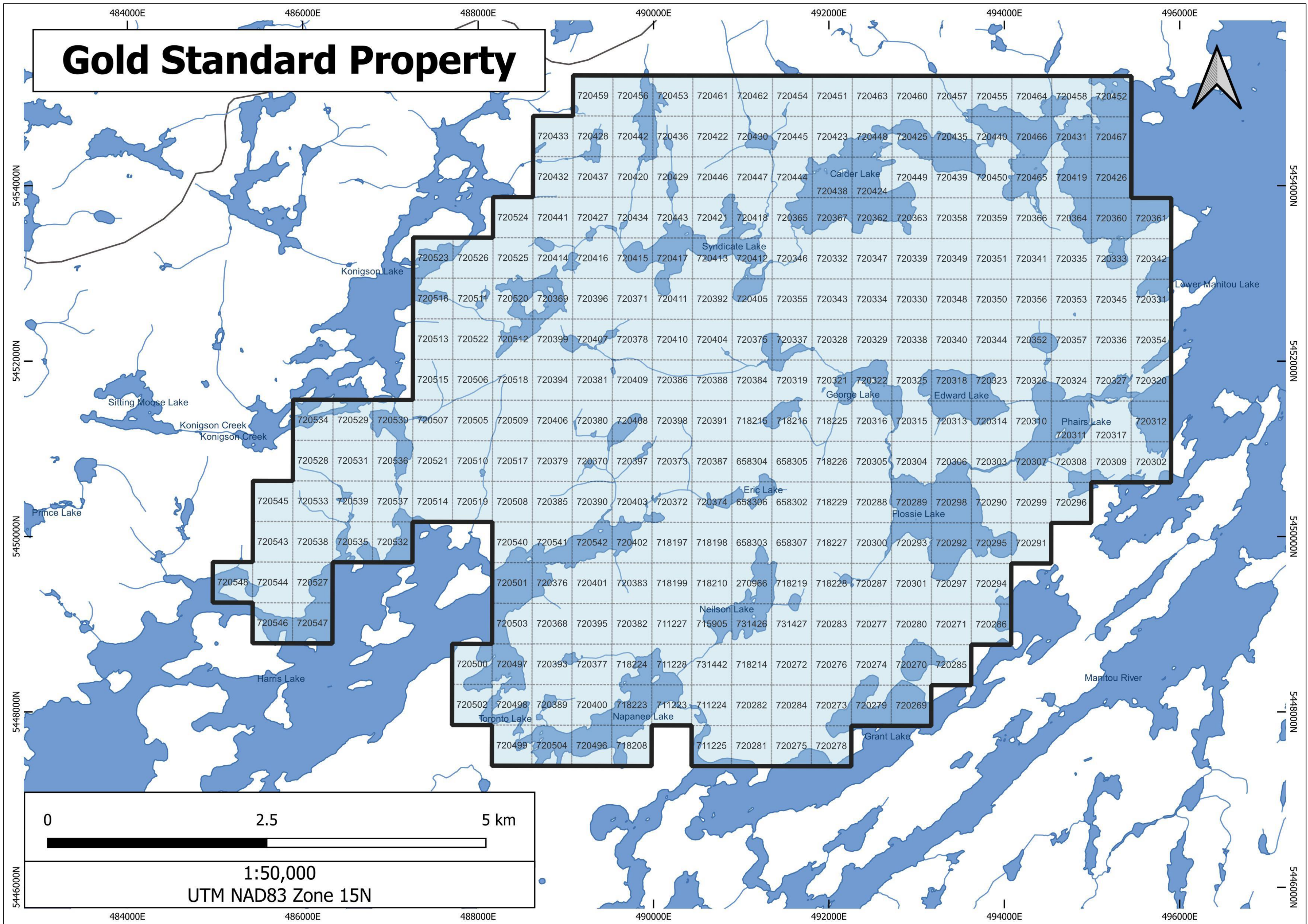


Fig 2 Gold Standard Property Contour Map

4. REGIONAL GEOLOGY

The following summary of the Regional Geology of the Manitou-Stormy Lakes greenstone belt is summarized from Lengyel, 2004:

The Gold Standard property lies within the Archean Manitou - Stormy Lakes greenstone belt, an 80 kilometer by 20 kilometer assemblage of northeast-trending mafic, intermediate, and felsic metavolcanic rocks, related intrusive rocks and metasediments which have been intruded by Archean granitoid stocks and batholiths (Blackburn et al., 1990). Structurally, the belt is dominated by the northeast-striking Manitou Straits fault ("MSF"), which extends southwest from Lower Manitou Lake (Manitou Stretch) through 12 the Manitou Stretch area where it connects with the southeastern extent of the Pipestone-Cameron deformation zone. The fault zone is spatially associated with all three properties of the Manitou Project (Gold Standard, Aronson, and High Valley).

Northwest of the Manitou Straits Fault, the metavolcanic rocks consist of three lithotectonic sequences: Grant Lake Group, Blanchard Lake Group, and Upper Manitou Lake Group (Berger, 1991). The Grant Lake group consists of mafic volcanic flows northwest of the MFS that are gradational upwards into intermediate volcanic and volcanoclastic flows. The Blanchard Lake group consist of predominantly tholeiitic mafic volcanic flows located immediately northwest of the Gold Standard property and may underlie the Grant Lake group. The Upper Manitou Lake group, located immediately northwest of the Blanchard Lake group, consists of a relatively narrow sequence of intermediate to felsic volcanoclastic rocks. The assemblage has been intruded by granitoid rocks of the Atikwa batholith.

Southeast of the MSF the metasedimentary and metavolcanic rocks consist of two sequences: The Wapageisi Lake Group, consisting of a basal sequence of tholeiitic mafic flows with minor metasedimentary rocks; and the overlying Manitou Group, comprised of a sequence of calc-alkalic intermediate pyroclastic and metasedimentary rocks. The supracrustal assemblage has been intruded by the Irene-Eltrut Lakes batholithic complex, and the Bretz Lake, Taylor Lake and the Scattergood Lake stocks. All of the supracrustal rocks are intruded by numerous northeast-trending felsic dykes, sills, plugs and stocks (Blackburn et al., 1990).

The regional structural history is not well understood, and the area seems to have been bypassed during the most recent Lithoprobe-related regional work. Regional mapping indicates that an early N-S compression folded the regional stratigraphy including the Stormy Basin sediments (Mueller and Corcoran, 1998), late Tamiskaming-equivalent sedimentary sequences, along E-W trending fold axes. Subsequent NW directed compression resulted in the dominant NE trending fold axes observed flanking the MFS. Presumably the NW directed compression reached maximum possible shortening that led to a lateral shear component, or the stress field rotated. Regardless, northeast trending shear zones a record lateral shear

component at regional (e.g. the Eta Lake Group, the strike extension of the Stormy Basin sequence which has been rotated and attenuated approximately 25 km along the MSF), property, and outcrop scales.

The Gold Standard property is centrally located on Neilson Lake, northwest of the MSF, and is underlain entirely by intermediate to mafic volcanic flows and pyroclastic rocks of the Grant Lake group.

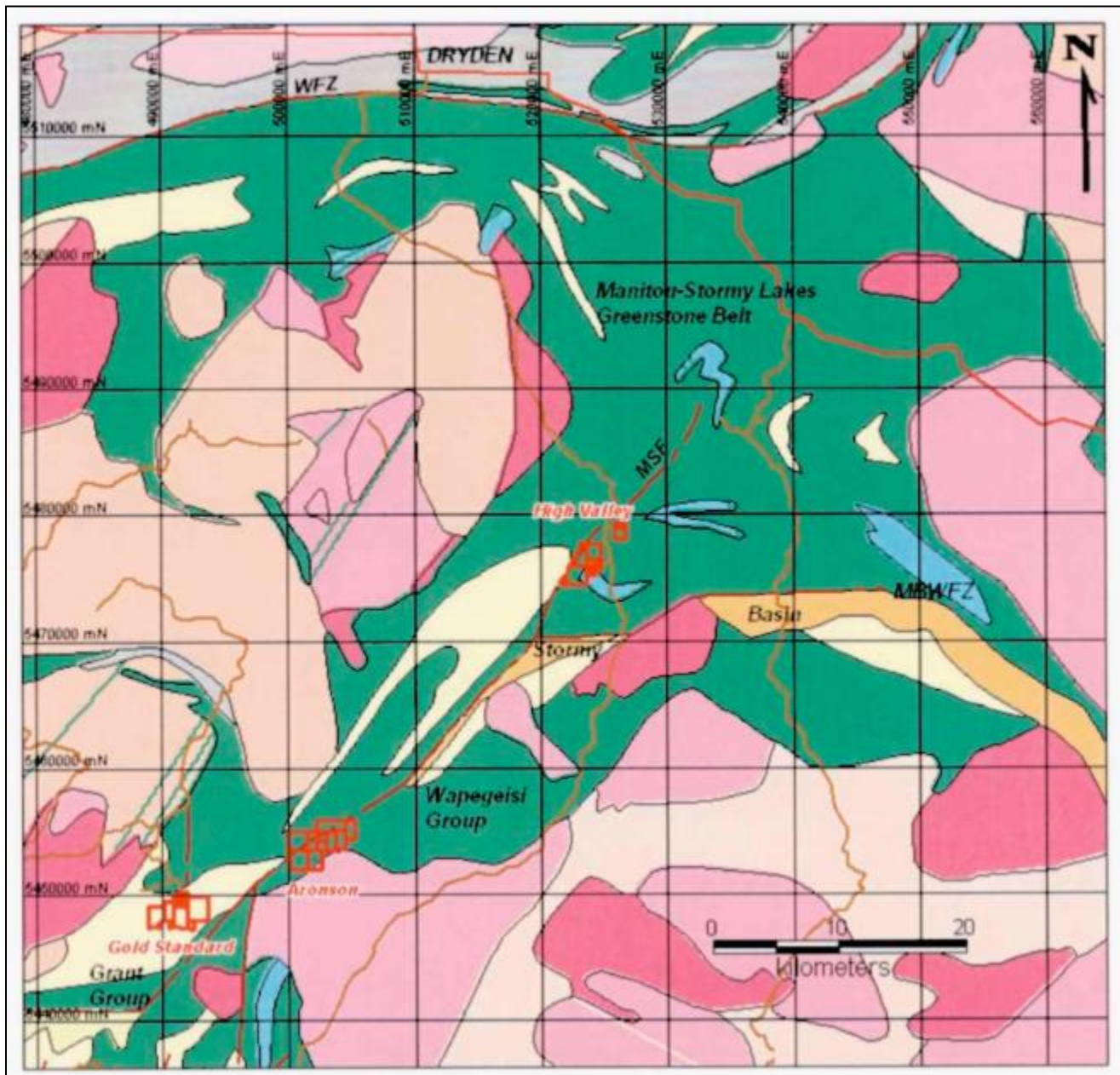


Figure 3: Illustration of the regional geology of the Manitou-Stormy Lakes Greenstone Belt from Lengyel, 2004.

5. 2022 PROSPECTING PROGRAM

Summary

The work crew mobilized from Thunder Bay to the Penasi-Sydicate Lake Road remote campsite on June 8, 2022 and demobilized from Barker Bay Resort to Thunder Bay on June 22, 2022. A total of 11 days were spent in the field by the crew with daily logs of their activities included in Appendix B. Objectives of the program were to map and prospect the Gold Standard HW 271 showing and structural trends extending to the northeast across Neilson Lake, as well as investigate geophysical lineaments/breaks between Neilson and Flossie Lake (Figure 4). Three soil and bark sampling grids were also conducted across the Gold Standard HW 271 Showing first, as a control to test sample detection, and later across property-scale target areas to the northeast of Neilson Lake.

A total of 86 geological stations and 168 soil/bark sample stations were recorded utilizing the QField application on a Samsung Tab A tablet. A sample database was setup in QField for the geological stations to capture predetermined fields consisting of sample ID, sample medium, lithology, structure, alteration, mineralization, photos and notes. A Garmin 64s handheld GPS was utilized to collect waypoints at each station as well as tracks. All coordinates are recorded in NAD 83 UTM Zone 15N.

A digital printout of the station databases is included in Appendix C. Maps showing station and sample locations, as well as GPS tracks from each traverse are included in Appendix D. A total of 69 grab samples, 141 soil samples, and 155 bark samples were collected during the program (excluding QAQC inserts). Sample locations are included in Appendix E.

Sampling Procedures & QA/QC

Rock samples were collected by field personnel utilizing rock hammers and placed into poly bags labelled with a unique station ID and sample number. Field personnel recorded sample information in a digital data collector and recorded GPS coordinates, geological observations, and photographs at each sample location.

Soil samples were collected using a stainless steel shovel from the B-horizon of the soil profile then placed into 4"x 6" kraft paper bags. Unique sample tags were placed inside the bags before sealing for transport.

Bark samples were collected from live black spruce trees with a diameter between 5-20cm from a location as close to the soil sample site as possible. Debris and foreign matter (e.g. lichen) was removed from the tree before scraping approximately 100 grams of outer bark into a brown paper bag before stapling the bag closed. Bark was collected from the tree at a height between 0.5-1.5m above ground using a paint scraper, dustpan, and nitrile gloves. Tools were sanitized between each sample collection.

During the collection of all grab samples, a field standard, two blanks, and two lab duplicates were inserted into the sampling sequence within a 50 sample interval. For the soil and bark samples, excluding the test

grids completed over the Gold Standard HW 271 Showing, a blank was inserted at the 20th sample, a field duplicate was collected at the 40th sample, and a standard was inserted at every 50th sample.

Grab samples were transported by Lithoquest Resources personnel to the Activation Laboratories for preparation and analysis in Thunder Bay, Ontario. Au values were determined via fire assay with an atomic absorption finish. Any Au samples that were above the detection limits for this method were analyzed via fire assay with a metallic screen finish. Major and trace element geochemistry was analyzed via Aqua Regia digest followed by an ICP-OES finish.

Soil and bark samples were transported by Lithoquest Resources personnel and sent to ALS Laboratories in Vancouver, British Columbia for preparation and analysis. Soil samples were analyzed using an Ionic Leaching method which involves a static sodium cyanide leach using chelating agents, with the leachant buffered at an alkaline PH of 8.5, finished with an ICP-MS analysis. Bark samples prepped by ashing the sample, followed by aqua regia acid digestion and ICP-MS analysis, then back calculated to the original concentrations using pre-ash weights.

Portable XRF Analysis & QA/QC

Grab and soil samples were measured in the Bayside Geoscience core shack using a Vanta M-series XRF machine by Olympus.

Soils were collected in paper kraft bags and laid out in sequential order on the core logging benches. Once all samples were laid out in order and double checked against the sample database, they were dried on core logging benches for roughly 2 weeks. All soil samples were analyzed through the kraft bags in order to maintain the integrity of the sample and to avoid possibly losing any material that was collected. It is noted that using the XRF through the kraft bags can reduce the quality of the results. In particular, measuring through the bags could disproportionately affect the measured results from the lighter elements. Despite these limitations it was determined that this data would still be of use for a prompt baseline assessment of the soils while waiting for results from the laboratory.

The pXRF was set to geoChem3 multibeam mode with 15 seconds of collecting measurements per beam. The sample type was set to In Situ mode as it is recommended when using the pXRF for soil samples in the field and requires little in the way of sample prep. The pXRF was set up to prompt the operator to label each measurement according to the corresponding sample tag number attached to the soil sample at the time of sample collection. To measure the soil samples, each individual bag was placed on a small piece of plywood one at a time. An attempt was made to smooth out the soil sample and make sure that there was no air space between the soil and the kraft bag. The measurement was generally taken on the bottom 1/3 of the bag. This location was chosen because the kraft bags are filled completely with little air space and the soil inside the bags was usually touching the kraft bag directly. The pXRF was placed in one spot and pivoted back and forth for 30 seconds to complete the sample. Slowly moving back and forth over the same arc allows the operator to collect data from roughly 10% of the samples surface area.

Standards were measured every 20th sample. The standard used were included in a reflex pXRF standards package produced by OREAS for use specifically when collecting data from soils. A silica blank and two low grade Cu-Au standards were chosen. Specifically OREAS CRM25a, 503a and 504b were chosen and all three were measured every 20th sample. OREAS CRM 25a is a soil lithogeochem blank with a certified Au value of <2 ppb. CRM 503a is low grade Au-Cu standard with certified values of 0.687 ppm Au and 5658 ppm Cu. CRM 504b is a second low grade Cu-Au standard with a certified values of 1.11 % Cu and 1.61 ppm Au.

Data collected from grab samples used the same pXRF settings as the methods for the soils. Using the geoChem3 multibeam method with 15 seconds chosen for both short and long wavelength beams. The sample bags were opened, and larger piece of the grabs were selected from the poly sample bags and placed on a small piece of plywood for analysis. The pXRF was held in the same place for 30 seconds per sample.

The data collected from the grab samples includes a much stronger sampling bias relative to the methods used on the soil samples due to the nature of the sample medium. An emphasis was placed on attempting to sample quartz veins with proximity to sulphides when present. This was done to attempt to test the hypothesis that there is a strong correlation between quartz veins hosting sulphides and the presence of gold.

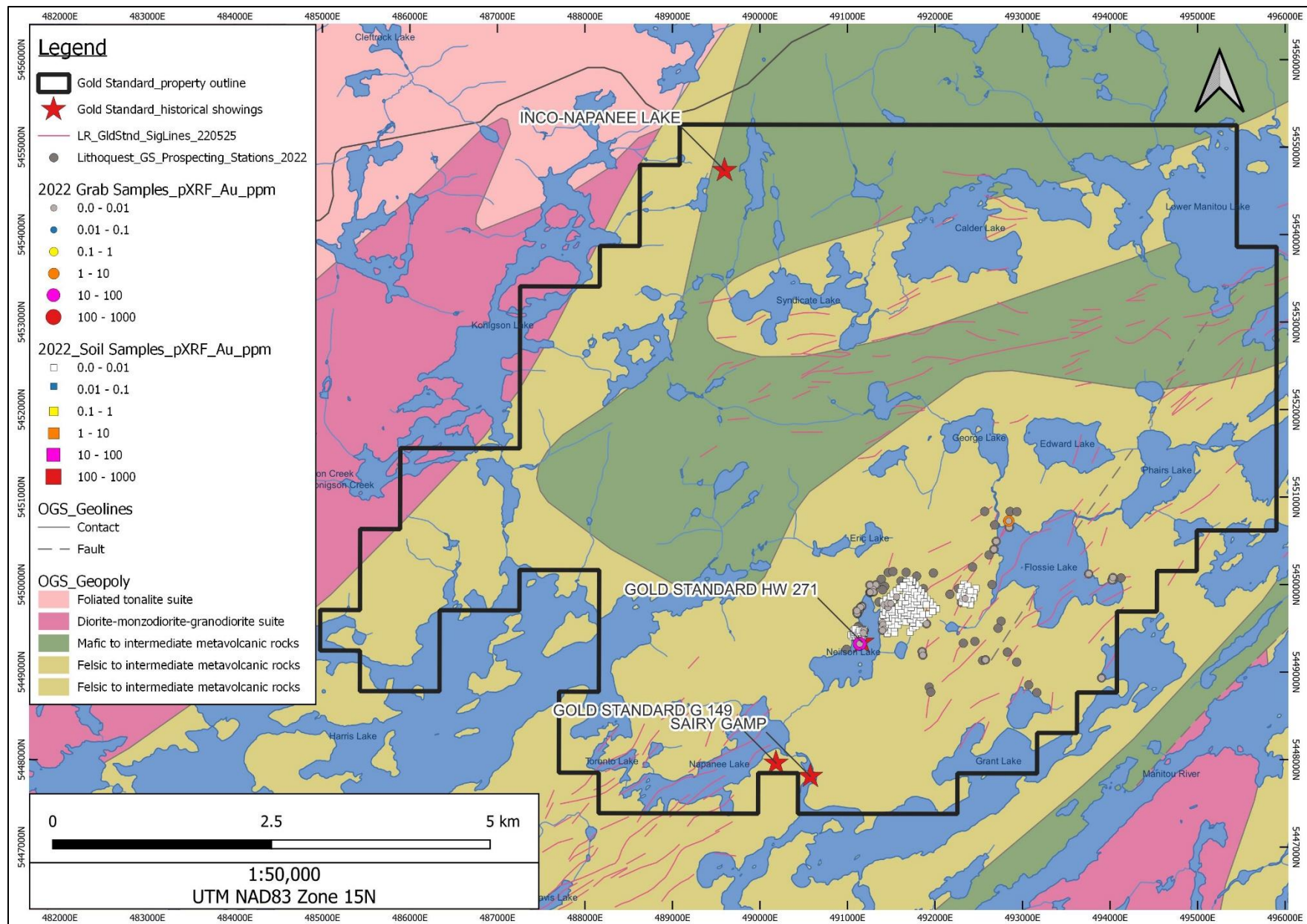


Figure 4: Prospecting stations, grab sample, soil sample locations and geophysical lineaments overlain on OGS geology map.

Results

Assays results for all sample mediums that were submitted to the laboratory are pending at the time of writing this report. pXRF measurements have been completed on all 76 grab samples and 154 soil samples and are presented in Appendix E.

Two confirmatory samples collected from the historical Gold Standard HW 271 showing tailings material returned pXRF values of 86 ppm Au (+/- 7 ppm error) from sample 220003 and 46 ppm Au (+/- 8 ppm error) from sample 220009 (Figure 5, 6). These samples demonstrate the high grade of the Gold Standard HW 271 mesothermal vein system and are consistent with sampling completed by previous operators. These two gold-bearing grab samples consisted predominantly cloudy white quartz-lesser ankerite vein material with strong chalcopyrite-pyrite +/- malachite mineralization (Figure 7). Structural measurements obtained from exposures within a few meters of the abandoned shafts display a dominantly northeast striking, southeast dipping, moderately folded and locally boudinaged vein trend and slightly oblique southwest striking, northwest dipping foliation and local shear fabrics proximal to the veins.

One sample taken from the northwest shore of Flossie Lake, returned a pXRF value of 7 ppm Au (+/- 2 ppm error) from sample 220022 located at station 079-GSP-22 which represents a new area of Au mineralization on the Gold Standard Property (Figure 5). This sample was collected from a zone of strong brittle-ductile deformation containing up to 10cm scale quartz-chlorite veining/vein breccia associate with narrow 10-30cm wide ankerite altered shears crosscutting intermediate volcanics (Figure 9). Locally, the sample contains mm-1cm scale stringers/fracture fillings comprised of pyrite-lesser malachite-trace chalcopyrite and minor quartz with weakly silicified wall rock material (Figure 8). Sulphide mineralization at this exposure is mainly confined to narrow stringers and fracture fillings which appear spatially associated with narrow shears, while the larger quartz-chlorite vein/vein breccia appears largely barren. This deformation zone is situated on a large, approximately 10m tall and 25m long cliff face trending to the northeast. The orientation of the narrow shears appears to be north-northeast striking, oriented subparallel to the cliff face at 006/72 and 002/68

Three soil and bark sampling grids were conducted on the Gold Standard Property. The first was conducted over the known Gold Standard HW 271 showing to act as a control to assess the detection ability of the sampling methods. The second sample grid, which is located northwest of Neilson Lake, was designed perpendicular to the projected north to northeast structural trends measured at the Gold Standard HW 271 Showing. This sample grid is at a similar orientation to the soil sample lines conducted by Temex Resources in 2004, but at a tighter line spacing. The third and final sample grid was designed to test for mineralization and extent based on an outcrop located at station 057-GSP-22, displaying a series of folded quartz-ankerite-minor chlorite veins up to 30cm wide with up to 0.3% disseminated pyrite in ankerite altered wall rock, controlled by a 1-2m wide shear oriented at 200/80 which crosscuts intermediate volcanics. No significant gold in soil values were identify during the preliminary pXRF measurements. Since units of measurement for the pXRF device is in parts per million, this method of analysis is not ideal for measuring gold or pathfinder elements in soil, which is usually on the scale of part per billion. Gold pathfinder element pXRF values including As, Cu, Ni, Zn, Pb, Se, Mo, and S were also plotted, highlighting values that exceeded 2

standard deviations above the mean for each element, presented in Appendix F. Elements such as Ag, Sb, Bi, Te, and Hg were omitted from the plots due to lack of detectable values or absence from the pXRF analysis suite. No anomalous gold values were detected with the pXRF analysis on any of the soil sample grids. Several scattered anomalous values are present for the pathfinder elements plotted, but with no apparent continuous trends visible. Minor groupings of anomalous Pb, Mo and a singular anomalous Cu sample are displayed proximal to the Gold Standard HW 271 Showing located on the western peninsula of Neilson Lake, but these values also appear isolated with the exception of Pb, which shows a short northward trend.

Bark samples were collected from black spruces trees at every soil sample station where possible, so that the geochemical results could be compared between the two mediums. At the time of this report there were no results returned on bark samples submitted to the laboratory for analysis.

Table 2: Significant pXRF gold measurements from the 2022 prospecting program

Sample ID	Easting	Northing	Target Area	Au (ppm)
220003	491141.08	5449323.03	Gold Standard HW 271 Showing	86 (+/- 7)
220009	491141.08	5449323.03	Gold Standard HW 271 Showing	46 (+/-8)
220022	492844.19	5450726.63	Flossie Lake NW	7 (+/-2)

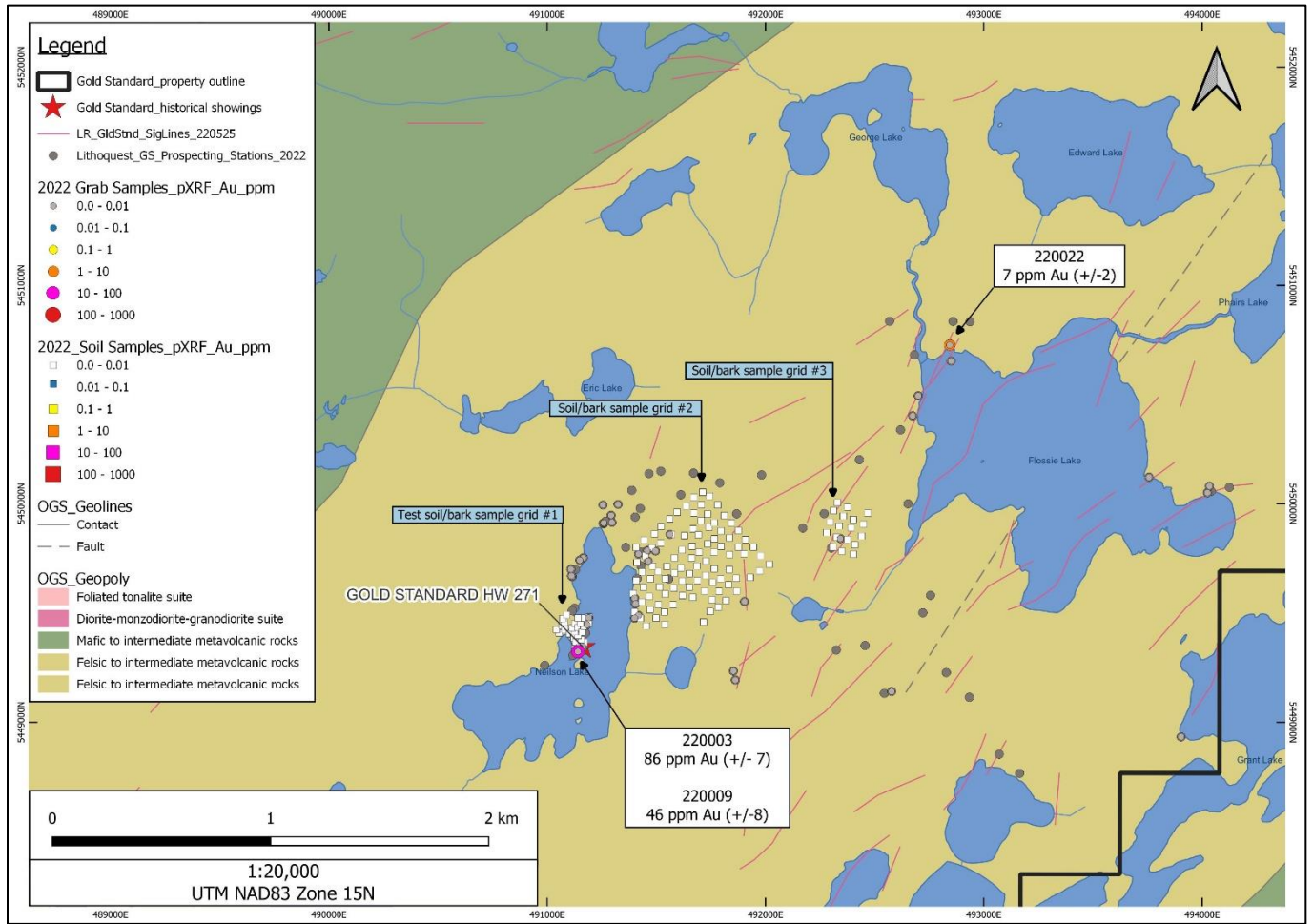


Figure 5: 2022 grab and soil sample locations with significant pXRF gold values highlighted.



Figure 6: Location of confirmatory grab samples 220003 and 220009 which returned 86 ppm Au (+/-7 ppm) and 46 ppm Au (+/- 8 ppm) from the Gold Standard HW 271 Showing tailings pile.



Figure 7: Representative sample collected from the Gold Standard HW 271 Showing tailings pile, displaying strong pyrite-chalcopyrite mineralization within quartz vein material.



Figure 8: Sample 220022 which returned 7 ppm Au (+/- 2 ppm) within shear-related, pyrite-malachite-chalcopyrite-quartz stringers/fracturing fillings with weakly silicified intermediate volcanic wall rock.



Figure 9: Weakly oxidized quartz-chlorite veining within a zone brittle/ductile deformation at station 079-GSP-22 located northwest of Flossie Lake.

6. CONCLUSIONS

Based on the preliminary pXRF sample measurements, the 2022 field program on the Gold Standard Property resulted in the discovery of 1 new mineralized outcrop and confirmed the presence of Au mineralization at the Gold Standard HW 271 Showing.

pXRF gold values from samples collected at the Gold Standard HW 271 tailings pile are comparable with grades reported by previous operators who sampled up to 111 g/t Au (Lengyel, 2004). Gold grades appears to be strongly associated with sulphide and copper oxide mineralization locally within the quartz+/-ankerite veins based on the pXRF results, sample observations and past reports.

The single Au bearing sample collected on the northwestern shore of Flossie Lake should be followed up with additional prospecting and mapping to determine the extent and structural controls on this newly discovered Au showing. Although comparably low grade, this area only received a partial day of work and more focused prospecting could result in additional mineralization being discovered in this area.

Although the preliminary pXRF results of the soil sampling program did not return any significant gold values, the units of measurement are not suitable for proper analysis. Gold pathfinder element pXRF values from the soil sample grids were also plotted, displaying only isolated anomalous values with no continuous trends. Minor groupings of Pb, Mo and a singular Cu anomaly were detected proximal to the Gold Standard HW 272 showing, suggesting some pathfinder elements may be detectable in soils within the Gold Standard property. Final assay results are needed before presenting recommendations for additional work at this time.

7. STATEMENT OF EXPENDITURES

The total value of work completed during the 2022 Gold Standard Property field program is summarized in Table 3. Allocations of expenditures by individual claim cell is summarized in Table 4.

Table 3: Total expenditures on the 2022 Gold Standard Property field program.

Description	Cost
Geological Consultant, 2 Field Assistants	\$27,668.09
Lithoquest Resources Salaries, Office Work, Project Management	\$17,872.69
Equipment Rentals and Fuel	\$8,934.02
Food	\$690.97
Field Supplies	\$2,187.30
Camp Accommodations and Supplies	\$9,164.09
pXRF Rental	\$8,160
Total	\$74,677.16

Table 4: Expenditure distribution on Gold Standard Property claim cells.

TENURE_NUM	Grab and Soil Sample Count	pXRF Sample Costs	Prospecting, Soil, and Bark Station Count	Proportions of Stations/Cell	Labour/Fixed Costs	Total Cost/Cell
718227	13	\$493.40	39	0.09	\$6,005.02	\$6,498.42
718228	8	\$303.63	15	0.03	\$2,309.62	\$2,613.25
720280	0	\$0.00	3	0.01	\$461.92	\$461.92
720283	2	\$75.91	3	0.01	\$461.92	\$537.83
720286	1	\$37.95	1	0.00	\$153.97	\$191.93
720287	0	\$0.00	2	0.00	\$307.95	\$307.95
720288	2	\$75.91	4	0.01	\$615.90	\$691.81
720291	0	\$0.00	1	0.00	\$153.97	\$153.97
720295	3	\$113.86	4	0.01	\$615.90	\$729.76
720270	0	\$0.00	1	0.00	\$153.97	\$153.97
720277	1	\$37.95	2	0.00	\$307.95	\$345.90
720300	20	\$759.07	42	0.10	\$6,466.95	\$7,226.02
720301	0	\$0.00	2	0.00	\$307.95	\$307.95
720304	4	\$151.81	4	0.01	\$615.90	\$767.71
720305	0	\$0.00	2	0.00	\$307.95	\$307.95
658303	16	\$607.26	12	0.03	\$1,847.70	\$2,454.95
658307	56	\$2,125.40	114	0.26	\$17,553.14	\$19,678.53
718219	44	\$1,669.95	105	0.24	\$16,167.37	\$17,837.32
270966	45	\$1,707.91	76	0.18	\$11,702.09	\$13,410.00
Total	215	\$8,160.00	432	1.00	\$66,517.16	\$74,677.16

8. SIGNATURES

I, Steven D. Flank, of the City of Thunder Bay, in the Province of Ontario, do hereby certify that:

1. I am the President and Principal Geoscientist of Bayside Geoscience Inc., a geological consulting company based in Thunder Bay, Ontario.
2. I am a member in good standing with the Association of Professional Geoscientists of Ontario (#2695), residing at 124 Sherwood Drive, Thunder Bay, Ontario, P7B 6L1.
3. I attained an H.BSc. in Geology from Lakehead University in Thunder Bay, Ontario (2011) and an M.Sc. in Mineral Exploration from Laurentian University in Sudbury, Ontario (2017).
4. I have worked as an exploration geologist for over 10 years focusing on project generation and early-stage gold projects including shear zone hosted lode gold and intrusion related disseminated gold deposits and intrusion related Ni-Cu-PGE deposits.
5. I personally supervised the 2022 Gold Standard Prospecting and Sampling Program as described in this report.

Dated

September 13, 2022

Thunder Bay, Ontario, Canada



Steven D. Flank, M.Sc., P.Geo.

I, Jake R. Dove, of the City of Thunder Bay, in the Province of Ontario, do hereby certify that:

6. I am Geoscientist in Training contracted by Bayside Geoscience Inc., a geological consulting company based in Thunder Bay, Ontario.
7. I am a Geologist in Training in good standing with the Association of Professional Geoscientists of Ontario, residing at 49 Manion Street, Thunder Bay, Ontario, P7A6Y5.
8. I attained an H.BSc. in Geology from Lakehead University in Thunder Bay, Ontario (2016).
9. I have worked as an exploration and production geologist for over 6 years focusing on early to advanced stage gold projects including shear zone hosted lode gold and mining operations involving intrusion related PGE deposits.
10. I personally lead the 2022 Gold Standard Prospecting and Sampling Program as described in this report.

Dated

September 13, 2022

Thunder Bay, Ontario, Canada



Jake R. Dove, HBSc., G.I.T.

9. REFERENCES

Berger, B., 1991 Precambrian Geology, Manitou Stretch Area, Ontario Geological Survey Report 284, 45p. Accompanied by Map 2561, 1:20,000.

Blackburn, C.E., Johns, G.W., and Davis, D.W. 1991 Wabigoon Subprovince; in Geology of Ontario, Ontario Geological Survey, Special Volume 4, Part I, p. 26-57.

Meuller, W.U. and Corcoran, P.L. 1998 Late-orogenic basins in the Archaean Superior Province, Canada: characteristics and inferences, *Sedimentary Geology*, v. 120 (1998), p. 177-203.

Lengyel, J.W.P. 2004 Summer Program Report on Gold Standard Property, p. 12-15.

APPENDIX B: DAILY WORK LOGS

Date	Workers	Details
June 9, 2022	JD/MB	Planned Work: Clear bush road to gold standard showing. See trenches and shaft, determine dominant trend of veins, fabrics faults Completed Work: Completed as planned.
June 10, 2022	JD/MB	Planned Work: Starting at the Gold Standard pit and working out way northward. Completed Work: Ended up going north-northeast of the lake traversing across the projected trend of the vein from other side of the lake. Came across a mixture of mafic-intermediate volcanics, thin calcite and qtz-carb-chl+/-py veins and veinlets. Interesting narrow fault face with varied foliation orientation and qtz vein orientation on either side of it. Faults orientation projects southwest towards the approximate location of the gold standard showing. A traverse should be completed in this area, moving northeast following the general trend of the fault, looking for any intersections between lithological contacts.
June 11, 2022	JD/MB	Planned Work: Work our way from the north end of Neilson Lake southward along the west side of lake to the Gold Standard Showing. Completed Work: Most of the shorelines was prospected to the showing peninsula. New mineralized quartz vein discovered at station 015-GSP-22 and 016-GSP-22.
June 12, 2022	JD/MB	Planned Work: See if we can extend the strike length of vein discovered at 015-GSP-22 then head the peninsula to check out the shear zone/veining noticed by Matt while soil sampling. Continue southwest after that to other side of little bay. Completed Work: All areas were covered. Vein at 015-GSP-22 started to thin out then was lost in overburden. Shear/veining at 025-GSP-22 was interesting. The veining appears spatially associated with the narrow NNE trending shear. Once projecting that shear at ~020 trend, an ankerite altered shear was discovered on the hike out in the cedar swamp at the north end of the lake.
June 13, 2022	JD/MB	Planned Work: Go investigate the NNE trending ankerite shear located at the north end of the lake and follow that along strike. Head towards the lineament intersection NE of Neilson Lake towards Flossie Lake. Completed Work: Investigated shear trend north of the lake and discovered a few narrow, weakly mineralized quartz and associated fracture/possible fault fabrics.
June 14, 2022	JD/MB	Planned Work: Investigate gossanous float discovered by Matt while soil sampling. Completed Work: Thunderstorm delayed us until around 1pm. We went to check the area where Matt saw the oxidized float and discovered a ~4m wide gossanous shear zone containing up to 5% diss/blebby py locally with no visible quartz veining. We attempted to trace the shear along strike and were unable to do so to the south. Shear may run subparallel to old road in the north somewhat within the cedar swamp (little outcrop). Two stations were collected that displayed shear fabric and mod ankerite alt but with no sulphide mineralization.
June 15, 2022	JD/MB	Planned Work: Traverse down old road south of Neilson Lake, head northeast from there to investigate geophysics lineaments to verify if there is a structural corridor present. Completed Work: Travelled east along road to read the geophysical lineaments. Came across a massive magnetic volcanic or diabase unit which hosted a galena-rich vein (048-GSP-22) and a narrow shear zone hosting weakly mineralized quartz veins. We attempted to reach the area to the northeast, but it is almost completely covered by cedar swamp and was difficult to travel to. This area will likely be better suited to reach from Flossie Lake. Lineaments to the southeast were under heavy overburden cover with large poplar and white pine vegetation.
June 16, 2022	JD/MB	Planned Work: Go to tailing pile at the Gold Standard Showing and collect 10 representative Geochem samples for assay. Visit the "Roadside Showing" and a few other outcrops that Matt flagged during soil sampling. Completed Work: All of the above was completed. Additional measurements and photos were taken of the outcrop at the first Gold Standard Showing pit (001-GSP-22). Note that the 10 samples collected from the tailings pile were selectively chosen based on sulphide content.
June 17, 2022	JD/MB/MC/NN	Demobilized from roadside camp and moved to Barker Bay Resort on Lower Manitou Lake.
June 18, 2022	JD/MB	Planned Work: First day launching from the cabins on Lower Manitou Lake to Flossie Lake project access. We are planning to investigate the geophysical lineament in the southwest corner of Flossie Lake. Completed Work: Completed traverse as planned. Notable outcrops include one 2-3m wide chl-calcite alt shear within mafic volcanics and weakly mineralized calcite-qtz+/-py and diss py (063-GSP-22). Local 2-5cm chl-qtz veining within mod foliated felsic tuff, containing 2-3% fg-mg cubic py locally in hematized alt halo (064-GSP-22).
June 19, 2022	JD/MB	Planned Work: Investigate geophysical lineaments south of Flossie Lake. Completed Work: Traverse completed as planned but ran out of time on the second half. Notable outcrops include a 4m wide chl-lesser ank alt shear crosscutting an int tuff with trace stringer hosted py. Cliff outcrop on west side of small lake contained approximately 3m wide brittle-ductile fault zone xcutting vesicular int volcanic flow with extensive 1-20 cm scale chaotic qtz-chl vein brx comprising 30% of zone, wk marginal fract cntrl ser alt (077-GSP-22).
June 20, 2022	JD/MB	Planned Work: Investigate geophysical lineaments along the north and east shores of Flossie Lake. Completed Work: Shoreline reconnaissance mapping completed for most of the planned areas. Notable outcrop include a large cliff side brittle-ductile deformation zone along ~25m long cliff (likely along strike) on the north shore of Flossie Lake (079-GSP-22). Outcrop contained narrow ank alt shears xcutting int volcanics and extensive 1-10cm scale qtz-chl veins/vein brx forming at somewhat chaotic orientations. Overall low amounts of sulphide mineralization, but local fracture controlled py-malachite-cpy observed in qtz fracture fillings with associated wk silicification of wall rock. 082-GSP-22 located on the east side of Flossie Lake displayed strongly sheared and mod ank-wk ser alt felsic to int volcanic tuff. Shear fabric appears to extend a width of approximately 10-15m based on available exposure, disappearing under a cedar swamp to the east.

APPENDIX C: STATION DESCRIPTIONS

Prospecting/Mapping Stations:

Station_ID	Sample_ID1	Sample_ID2	Sample_ID3	Sample_ID4	Eastings	Northing	Elevation	Sampler	Date	Sample_Med	Lithology	Lith_Mod	Struc_1	Struc_1_Az	Struc_1_Di	Str_1_Cons	Str_1_Gen	Struc_2	Struc_2_Az	Struc_2_Di	Str_2_Cons	Str_2_Gen	
001-GSP-22	220201	220202	220203		491165.59	5449343.11	390.43	JD	6/9/2021	Outcrop	Quartz Vein		Vein	226	50	0	2	Shear Zone	242	82	Ankerite	3	
002-GSP-22					491155.83	5449342.35	390.51	JD	6/9/2021	Outcrop													
003-GSP-22					491387.83	545006.158	427.72	JD	6/10/2022	Outcrop	Mafic Volcanic	Pillowed	Foliation	211	82		0						
004-GSP-22					491426.60	5449978.25	418.56	JD	6/10/2022	Outcrop	Intermediate Volcanic	Lapilli Tuff	Bedding	67	82								
005-GSP-22					491403.52	5449939.16	417.57	JD	6/10/2022	Outcrop	Mafic Volcanic	Pillowed	Foliation	217	88								
006-GSP-22					491360.18	5449800.16	400.31	JD	6/10/2022	Outcrop	Mafic Volcanic	Pillowed	Foliation	208	78								
007-GSP-22	220204				491418.33	5449769.93	406.09	JD	6/10/2022	Float	Intermediate Volcanic	Lapilli Tuff	Shear Zone								0		
008-GSP-22					491431.46	5449778.03	403.43	JD	6/10/2022	Outcrop	Mafic Volcanic		Foliation	236	81								
009-GSP-22					491429.61	5449715.45	400.38	JD	6/10/2022	Outcrop	Mafic Volcanic		Foliation	233	88		0						
010-GSP-22					491412.40	5449657.78	412.44	JD	6/10/2022	Outcrop	Mafic Volcanic		Foliation	220	78								
011-GSP-22	220205				491401.11	5449567.63	395.04	JD	6/10/2022	Outcrop	Mafic Volcanic	Amygdales	Vein	225	88			Foliation	219		85		
012-GSP-22	220206				491405.45	5449542.17	395.67	JD	6/10/2022	Float	Quartz Vein						0						
013-GSP-22	220207				491418.33	5449488.90	414.95	JD	6/10/2022	Subcrop	Mafic Volcanic	Amygdales					0						
014-GSP-22	220208	220209			491401.12	5449476.36	415.17	JD	6/10/2022	Outcrop	Quartz Vein		Vein	48	79			Foliation	220	80			
015-GSP-22	220211	220212	220213		491166.25	5449752.66	394.35	JD	6/11/2022	Outcrop	Quartz Vein		Vein	41	75		0	Foliation	210		85		
016-GSP-22	220214	220215	220216	220217	491149.40	5449741.68	396.65	JD	6/11/2022	Outcrop	Quartz Vein		Vein	38	68		0	Shear Zone	211	82			
017-GSP-22					491130.54	5449699.24	395.67	JD	6/11/2022	Outcrop	Mafic Volcanic		Shear Zone	209	72			Fracture	166		80		
018-GSP-22	220218				491114.61	5449666.26	394.72	JD	6/11/2022	Float	Quartz Vein							Foliation	190		65		
019-GSP-22	220219				491112.13	5449669.81	391.93	JD	6/11/2022	Subcrop	Mafic Volcanic		Foliation	190	65								
020-GSP-22					491125.59	5449521.94	393.38	JD	6/11/2022	Outcrop	Mafic Volcanic		Shear Zone	200	67								
021-GSP-22					491115.08	5449509.94	391.92	JD	6/11/2022	Outcrop	Mafic Volcanic	Tuff	Bedding	203	74						0		
022-GSP-22					491107.34	5449407.68	394.36	JD	6/11/2022	Outcrop	Quartz Vein												
023-GSP-22					491175.97	5449407.57	389.45	JD	6/11/2022	Outcrop	Felsic Volcanic	Tuff	Contact	201	72			Fault	98		45		
024-GSP-22	220221				491109.12	5449700.05	382.34	JD	6/11/2022	Outcrop	Quartz Vein		Vein	216	72			Foliation	18		74		
025-GSP-22	220222	220223	220224		491190.94	5449477.92	390.78	JD	6/12/2022	Outcrop	Quartz Vein		Shear	191	74			Shear	43		66		
026-GSP-22	220225				491182.66	5449446.02	382.80	JD	6/12/2022	Outcrop	Mafic Volcanic	Amygdales	Fault	191	84			Vein	156		65	Quartz	
027-GSP-22					491138.25	5449339.48	385.74	JD	6/12/2022	Outcrop	Mafic Volcanic		Foliation	206	75								
028-GSP-22					490989.30	5449260.47	390.21	JD	6/12/2022	Outcrop	Intermediate Volcanic	Lapilli Tuff	Foliation	188	85								
029-GSP-22	220226				491325.08	5449997.00	406.18	JD	6/13/2022	Subcrop	Intermediate Volcanic		Foliation	40	85						0		
030-GSP-22	220227	220228			491293.17	5449947.00	400.62	JD	6/13/2022	Outcrop	Quartz Vein		Vein	63	66			Fault	66		74		
031-GSP-22	220229				491296.90	5449915.00	407.32	JD	6/13/2022	Subcrop	Intermediate Volcanic												
032-GSP-22					491258.00	5449908.00	400.48	JD	6/13/2022	Outcrop	Intermediate Volcanic	Tuff	Bedding	61	85								
033-GSP-22	220231				491256.98	5449911.00	400.65	JD	6/13/2022	Float	Quartz Vein												
034-GSP-22	220232	220233			491259.90	5449913.00	401.05	JD	6/13/2022	Outcrop	Mafic Volcanic		Shear Zone	209	80			Vein	42		47		
035-GSP-22					491267.55	5449920.00	402.66	JD	6/13/2022	Outcrop	Mafic Volcanic		Shear Zone	192	81								
036-GSP-22	220234				491256.16	5449994.00	406.23	JD	6/13/2022	Outcrop	Intermediate Volcanic	Tuff	Fracture	265	55			Bedding	265		55		
037-GSP-22					491466.91	5450138.00	423.75	JD	6/13/2022	Outcrop	Intermediate Volcanic		Vein	273	7037			Foliation	37		85		
038-GSP-22					491520.83	5450149.00	422.86	JD	6/13/2022	Outcrop	Mafic Volcanic	Pillowed	Foliation	217	84								
039-GSP-22					491670.66	5450140.00	421.55	JD	6/13/2022	Outcrop	Intermediate Volcanic	Tuff	Bedding	44	72								
040-GSP-22					491791.00	5450096.00	422.55	JD	6/13/2022	Outcrop	Mafic Volcanic	Pillowed	Foliation	229	80								
041-GSP-22					491982.34	5450132.00	402.59	JD	6/13/2022	Outcrop	Mafic Volcanic	Pillowed	Foliation	211	79								
042-GSP-22					491868.00	5449954.00	403.00	JD	6/13/2022	Outcrop	Mafic Volcanic		Foliation	198	72								
043-GSP-22	220235	220243			491463.16	5449977.85	404.16	JD	6/14/2022	Outcrop	Mafic Volcanic		Shear Zone	21	75								
044-GSP-22	220244				491458.79	5449785.55	404.97	JD	6/14/2022	Outcrop	Mafic Volcanic		Foliation	28	80								
045-GSP-22	220245				491496.67	5449783.49	405.80	JD	6/14/2022	Outcrop	Mafic Volcanic		Shear Zone	209	80								
046-GSP-22					491557.15	5449655.00	409.64	JD	6/14/2022	Outcrop	Mafic Volcanic		Foliation	214	80								
047-GSP-22	220246				491904.28	5449552.00	399.39	JD	6/14/2022	Outcrop	Intermediate Volcanic	Lapilli Tuff	Vein	191	48			Foliation	200		80		
048-GSP-22	220247				491853.39	5449234.00	411.69	JD	6/14/2022	Outcrop	Quartz Vein		Vein	17	45				0				
049-GSP-22	220248	220249			491862.37	5449193.00	407.87	JD	6/14/2022	Outcrop	Mafic Volcanic	Amygdales	Shear Zone	218	80			Vein	56		45	Quartz	
050-GSP-22					491935.34	5448828.00	399.80	JD	6/15/2022	Outcrop	Intermediate Volcanic	Lapilli Tuff	Foliation	230	80								
051-GSP-22					491952.46	5448772.00	395.74	JD	6/15/2022	Outcrop	Felsic Volcanic	Tuff	Shear Zone	211	80								
052-GSP-22					491119.13	5449306.06	390.00	JD	6/16/2022	Outcrop	Mafic Volcanic	Pillowed	Foliation	31	78						5		70
053-GSP-22	220001-220011				491141.08	5449323.03	338.88	JD	6/16/2022	Float	Quartz Vein												
054-GSP-22	220012				491562.93	5449859.98	407.30	JD	6/16/2022	Outcrop	Quartz Vein								Quartz Vein	212		70	
055-GSP-22					491612.31	5450041.23	413.61	JD	6/16/2022	Outcrop	Intermediate Volcanic	Pillowed											
056-GSP-22					492653.42	5449999.61	396.96	JD	6/18/2022	Outcrop	Intermediate Volcanic	Tuff	Foliation	11	65								
057-GSP-22	220013	220014			492343.17	5449840.61	400.81	JD	6/18/2022	Outcrop	Quartz Vein		Quartz Vein	235	40			Shear Zone	200		80		
058-GSP-22					492301.95	5449797.76	398.63	JD	6/18/2022	Outcrop	Mafic Volcanic			50	76								
059-GSP-22					492269.39	5449954.89	396.69	JD	6/18/2022	Outcrop	Mafic Volcanic												
060-GSP-22					492171.53	5449889.10	387.09	JD	6/18/2022	Outcrop	Intermediate Volcanic	Lapilli Tuff	Foliation	202	75								

Station ID	Struct 3	Str 3_Az	Str 3_Dip	Str 3_Cons	Str 3_Gen	Struct 4	Str 4_Az	Str 4_Dip	Str 4_Cons	Alt 1	Alt 1_Inte	Alt 1_Styl	Alt 2	Alt 2_Inte	Alt 2_Styl	Minz 1	Minz 1_Per	Minz 1_Sty	Minz 2	Minz 2_Per	Minz 2_Sty	Minz 3	Minz 3_Per	Minz 3_Sty							
001-GSP-22	Foliation	191	78	Ankerite	1	Foliation	191	78		Ankerite	Moderate	Veins	Sericite	Weak	Veins	Pyrite	0.2	Disseminated													
002-GSP-22																															
003-GSP-22																															
004-GSP-22																	Pyrite	0.1	Disseminated												
005-GSP-22																															
006-GSP-22																															
007-GSP-22										Ankerite	Weak	Pervasive				Pyrite	0.3	Banded													
008-GSP-22																Pyrite	0.1	Disseminated													
009-GSP-22																															
010-GSP-22																															
011-GSP-22																	Pyrite	0.1	Disseminated												
012-GSP-22																															
013-GSP-22										Calcite	Moderate	Veins				Pyrite	0.5	Disseminated													
014-GSP-22	Fault	255	80			Foliation	71	76		Silica	Weak	Veins	Calcite	Moderate	Veins	Pyrite	0.1	Vein	Pyrite	0.1	Disseminated										
015-GSP-22	Foliation	22	85							Chlorite	Strong	Veins	Calcite	Moderate	Veins	Pyrite	0.3	Vein	Pyrite	0.3	Disseminated	Pyrite	3	Disseminated							
016-GSP-22	Z-Fold Hinge	227	40							Calcite	Moderate	Veins				Pyrite	0.1	Vein	Magnetite	0.3	Vein	Pyrite	0.1	Disseminated							
017-GSP-22			0							Chlorite	Moderate	Pervasive																			
018-GSP-22										Chlorite	Weak	Veins				Pyrite	0.1	Vein													
019-GSP-22										Silica	Moderate	Pervasive				Pyrite	0.5	Disseminated													
020-GSP-22			0							Chlorite	Moderate	Pervasive	Calcite	Moderate	Pervasive	Pyrite	0.1	Disseminated													
021-GSP-22										Chlorite	Strong	Pervasive				Pyrite	0.1	Disseminated													
022-GSP-22																															
023-GSP-22																															
024-GSP-22	Fracture	220	65							Pervasive	Chlorite	Moderate				Pyrite	0.1	Disseminated													
025-GSP-22	Fault	219	84							Ankerite	Moderate	Veins	Chlorite	Strong	Shear	Pyrite	0.1	Vein													
026-GSP-22	Cleavage	46	85			Fold Hinge	223	30		Ankerite	Moderate	Chlorite	Strong	Shear	Pyrite	0.1	Vein														
027-GSP-22																															
028-GSP-22																															
029-GSP-22			0							Ankerite	Weak	Pervasive				Pyrite	0.1	Vein													
030-GSP-22	Foliation	75	86							Silica	Moderate	Veins	Value	Value		Pyrite	0.1	Vein													
031-GSP-22										Ankerite	Strong	Fracture Controlled																			
032-GSP-22										Ankerite	Weak	Pervasive																			
033-GSP-22										Ankerite	Moderate	Veins				Pyrite	0.1	Vein	Pyrite	2	Disseminated										
034-GSP-22										Ankerite	Moderate	Pervasive	Chlorite	Strong	Pervasive	Pyrite	0.5	Disseminated	Pyrite												
035-GSP-22										Ankerite	Strong	Pervasive	Chlorite	Strong	Pervasive																
036-GSP-22	Vein	27	80		0					Ankerite	Weak	Veins				Pyrite	0.1	Vein													
037-GSP-22																															
038-GSP-22																															
039-GSP-22																															
040-GSP-22																															
041-GSP-22																															
042-GSP-22																															
043-GSP-22										Ankerite	Strong	Shear Zone	Chlorite	Strong	Shear Zone	Pyrite	3	Disseminated													
044-GSP-22										Chlorite	Moderate	Pervasive				Pyrite	0.5	Disseminated													
045-GSP-22										Chlorite	Strong	Pervasive	Ankerite	Moderate	Disseminated																
046-GSP-22																															
047-GSP-22										Ankerite	Weak	Veins				Pyrite	0.1	Stringers													
048-GSP-22										Chlorite	Moderate	Veins	Magnetite	Moderate	Veins	Galena	10	Vein	Magnetite	2	Disseminated										
049-GSP-22										Ankerite	Weak	Veins	Ankerite	Moderate	Pervasive	Pyrite	1	Disseminated	Magnetite	1	Disseminated										
050-GSP-22																															
051-GSP-22																															
052-GSP-22																															
053-GSP-22										Ankerite	Strong	Veins	Sericite	Weak	Veins	Chalcopyrite	2	Vein	Pyrite	1	Vein	Malachite	Vein	0.25							
054-GSP-22	Shear Zone	170	75							Ankerite	Strong	Pervasive				Pyrite	1.5	Disseminated	Pyrite	0.1	Vein										
055-GSP-22																															
056-GSP-22																															
057-GSP-22	Quartz Vein	175	65			Fold Hinge	335	52		Ankerite	Moderate	Pervasive	Ankerite	Moderate	Veins	Pyrite	0.3	Disseminated													
058-GSP-22																															
059-GSP-22																															
060-GSP-22																															
061-GSP-22																															
062-GSP-22																															
063-GSP-22										Chlorite	Moderate	Pervasive	Calcite	Moderate	Fracture Controlled	Pyrite	0.2	Disseminated	Pyrite	0.1	Stringers										
064-GSP-22										Hematite	Moderate	Veins				Pyrite	2.5	Disseminated													
065-GSP-22																															
066-GSP-22																															
067-GSP-22																															
068-GSP-22																															
069-GSP-22																															
070-GSP-22																															
071-GSP-22																															
072-GSP-22										Chlorite	Strong	Pervasive	Ankerite	Weak	Pervasive		0.1	Stringers													
073-GSP-22																															
074-GSP-22																															
075-GSP-22																															
076-GSP-22																															
077-GSP-22	Vein				Chlorite					Sericite	Weak	Fracture Controlled																			
078-GSP-22																															
079-GSP-22	Fracture	193	70	Sulfide						Ankerite	Weak	Shear Zone	Silica	Weak	Fracture Controlled	Pyrite	1.5	Fracture Filling	Chalcopyrite	0.1	Fracture Filling	Malachite	0.5								
080-GSP-22																															
081-GSP-22																															
082-GSP-22										Ankerite	Moderate	Fracture Controlled	Sericite	Weak	Fracture Controlled	Pyrite	0.1	Disseminated													
083-GSP-22																															
084-GSP-22										Ankerite	Weak	Fracture Controlled																			
085-GSP-22										Sericite	Moderate	Veins	Ankerite	Weak	Ve																

Station_ID	Sample_ID1	Sample_ID2	Sample_ID3	Sample_ID4	Easting	Northing	Elevation	Sampler	Date	Sample_Med	Notes
001-GSP-22	220201		220203		491165.59	5449343.11	390.43	JD	6/9/2021	Outcrop	Historic pit location. Outcrop is exposed east of the pit along the shoreline. Exposure contains a series of 4-5, 0.5-2.5m wide milky white qtz-minor black ch/Bio-ank-tr-ser-py veins which are strongly, large-scale folded and mod boudinaged, xcutting fgm mafic volc. Measurements for vein orientations taken at limbs. away SW of fold hinges include: 226/50 (at pit) and 053/65, 025/70, 048/65, 044/65 (a few meters NE of pit). Wk-mod fol directly at pit is sblg to vein orientation on the north side/FW of vein, oriented at approx 226/50. Fol is slightly oblique to pit vein on the south/HW side, oriented at 191/78 suggesting some rotation of fol may be occurring along vein fold axis. Pit vein appears to taper towards the SW across the pit. Marginal shear fabric notes along veins at 242/82 to 030/75 which may represent post fold axis orientation. This possible fold axis orientation is fairly consistent when lining up approx folded veins apex strike which is slightly visible into the lake. Mod ank alt and minor local ser alt present in both HW/FW of veins. Weak sulphide mineralization witness at exposure of tr-0.25% vfg-fg subhedral vein hosted and lesser marginal diss py. Strong localized cleavage/fracture fabrics are visible at the NE extent of veining at shoreline in two main trends of 048 degrees (dominant) and 086 (secondary). This cleavage fabric progressively rotates to a more SW trending orientation moving away from the vein domain to the N/NE. Three samples taken from exposure: 220201 - FW margin of pit vein (mostly wall rock). Mod ank alt/sheared, tr vfg diss py. 220202 - internal qtz-chl/bio-ank, no visible sulphides. 220203 - HW margin of vein (mostly wall rock). Mod ank alt. Tr vfg diss py.
002-GSP-22					491155.83	5449342.35	390.51	JD	6/9/2021	Outcrop	Second historical pit with irrigation system and ore buckets in the vicinity. No visible outcrop around. Massive pile of tailing to the south and southwest of pit creating large ridge of loose overburden material.
003-GSP-22					491387.83	5450061.58	427.72	JD	6/10/2022	Outcrop	Large 25x8m outcrop. Weakly fol, pillowed maf volc. No veining, min or alt other than regional greenschist alt. Barren.
004-GSP-22					491426.60	5449978.25	418.56	JD	6/10/2022	Outcrop	Ridge outcrop. Int lapilli tuff with thin cherty felsic ash tuff bedding.
005-GSP-22					491403.52	5449939.16	417.57	JD	6/10/2022	Outcrop	Ridge outcrop. Gg pillowed maf volc. Mod locally foliation oblique to bleached selvages. Tr cubic diss py, likely metamorphic.
006-GSP-22					491360.18	5449800.16	400.31	JD	6/10/2022	Outcrop	Ridge outcrop. Weakly pillowed, vesicular mafic flow with mod local fol. Barren.
007-GSP-22	220204				491418.33	5449769.93	406.09	JD	6/10/2022	Float	0.5x0.5m float. Weakly sheared int lapilli tuff. Wk-mod semi perv ank alt. Mod oxidation along shear planes. 0.3% for cubic py seam along shear fabric captured in sample.
008-GSP-22					491431.46	5449778.03	403.43	JD	6/10/2022	Outcrop	Ridge outcrop. Mod foliated maf volcanic. Tr vfg diss py.
009-GSP-22					491429.61	5449715.45	400.38	JD	6/10/2022	Outcrop	Ridge outcrop. Mod-strongly fol maf volc. Barren.
010-GSP-22					491412.40	5449657.78	412.44	JD	6/10/2022	Outcrop	Mod flattened/fol pillows maf volcanic. Barren.
011-GSP-22	220205				491401.11	5449567.63	395.04	JD	6/10/2022	Outcrop	Ridge outcrop. Mod fol amygdaloidal maf volcanic. 5cm wide discontinuous carbonate vein sblg to fol with trace fg-mg cubic dispy in wall rock. No signif alt associated with vein.
012-GSP-22	220206				491405.45	5449542.17	395.67	JD	6/10/2022	Float	Lakeside float containing three 1-4cm qtz-carb-veinlets crosscutting massive maf volc. Minor oxidation visible within veins but no surprises visible on fresh surface. Orientations of veinlets am somewhat chaotic/non parallel. No assoc alt.
013-GSP-22	220207				491418.33	5449488.90	414.95	JD	6/10/2022	Subcrop	Subcrop of mod foliated, amygdaloidal maf volc xcut by several mm-1cm scale calcite-minor fer carb veinlets parallel to fol, comprising approx 25% of sample. 0.5% fg cubic diss py mainly in veinlet walls. Fol measurement unreliable. Historic sample labelled at outcrop.
014-GSP-22	220208	220209			491401.12	5449476.36	415.17	JD	6/10/2022	Outcrop	Lakeside ridge outcrop containing a series of 1-10cm qtz-carb-veinlets appearing to be associated with a mm-1cm brittle fit plane. Narrow fit slip is oriented at 255/80. Veinlets on the north side of fit are more narrow, fairly planar, containing local semi-massive chl seams, with orientation of 048/80 and contain tr py, while veinlets on the south side of fit slip are more shallow, oriented at 043/40 appearing weakly crenulated, somewhat discontinuous and lack any chl seams. Fol on the north side fit slip is oriented at 220/80 and in the south fol is oriented at 071/76 suggesting some rotation of fol may be occurring along this structure. Samples taken: 220208 - veins on north side of fit slip. 220209 - veinlets on south side of fit slip.
015-GSP-22	220211	220212	220213		491166.25	5449752.66	394.35	JD	6/11/2022	Outcrop	Similar to vein style at gold standard pit outcrop. Mineralized, white-beige-medium grey, weakly boudinaged qtz-chl-py-poss py vein varying from 5-25cm wide and oriented at 042/75. Crosscuts locally pillowed fg mafic volcanics. Mod sulphide oxidation at vein walls. Vein contains massive 10cm chl seam similar to 014-GSP-22 veins. Vein appears to taper out, terminating shortly after the shoreline to the NE. Vein may be hosted along a fol, visibly rotating regional fol into vein/poss fault plane and local, marginal shear fabric development sblg to veinal arcuation. Strong marginal fabric noted at vein dilations. Vein is weakly magnetic, likely containing minor py or poss mt with black chl. Some fg acicular grains also visible that are soft (not tourmaline) likely chl or bio. Alteration occurs along the vein walls varying from mod carb to strong chl alt. Internal vein contains 0.3% py and 0.1% po/mt. Vein walls contain 0.3-0.4% fg cubic diss py. Samples: 220211 - HW vein margin (wall rock), mod chl-carb alt maf volc, 0.4% fg cubic diss py. 220212 - Internal vein material containing qtz-minor chl-acicular bio, 0.3% py and tr po/poss mt. 220213 - FW vein margin, mod chl-carb alt maf volc, 0.4% fg cubic diss py.
016-GSP-22	220214	220215	220216	220217	491149.40	5449741.68	396.65	JD	6/11/2022	Outcrop	Continuation of previous mineralized QV to the southwest along strike. Weak ~0.5m wide deformation zone sblg QV. Parasitic z-folding and boudinage of vein more apparent in this area. QV - 038/68, Wk shear/def zone - 211/82, local fol south of vein margin - 058/88, z-fold hinge - 227/40. Strong carb-minor silica alt in hanging wall (south) containing 1-2% fg cubic diss py. Poss dextral sense of shear along def zone base on z-fold kinematics. Black seams appear more magnetite rich in this area. Host rock is weakly pillowed mafic volcanics. Internal vein appears to have less sulphide and chl/Bio than previous station to the northeast, but more py in wall rock halo. Samples: 220214 - HW vein margin, 1-2% fg cubic diss py, strong carb-wk silica alt maf volc. 220215 - Internal vein material of qtz-black mag/chl/bio seams. Vein is white to light grey, little to no sulphide. 220216 - FW vein margin, 1-2% fg cubic diss py, strong carb-minor silica alt maf volc. 220217 - Internal qtz-vein at dilation, near intersection of S1 fol and shear/vein trend. Contains increased black mt-chl. More oxidation present. Vein appears more distinctly dark grey-black locally, ~0.4% fg-mg cubic py visible along vein/wall rock margin.
017-GSP-22					491130.54	5449699.24	395.67	JD	6/11/2022	Outcrop	Weakly sheared maf volc with minor qtz-veinlets transposed and folded int shear fabric. Veinlets appear localized/discontinuous. Fract fabric occurring oblique to shear. Barren.
018-GSP-22	220218				491114.61	5449666.26	394.72	JD	6/11/2022	Float	0.4x0.3m massive light-dark grey qtz-carb-chl-tr py vein float. Weakly oxidized. Subangular so source may be near. Margins of vein appear sheared and chloritized.
019-GSP-22	220219				491112.13	5449669.81	391.93	JD	6/11/2022	Subcrop	Ridge subcrop. Mod foliated and silica-carb alt maf volc. 0.5% fg cubic diss py. Mod oxidation on surface plane. Fol measurement taken in outcrop beside subcrop where sample was taken. 8cm qtz vein in float a few meters away with no visible sulphide.
020-GSP-22					491125.59	5449521.94	392.38	JD	6/11/2022	Outcrop	Mod sheared mafic volcanics. Mod to strong chl alt. Tr diss py.
021-GSP-22					491115.08	5449509.94	391.92	JD	6/11/2022	Outcrop	Strongly bedded felsic ash tuff layers interbedded with 1-2m wide int volcanic flow domains.
022-GSP-22					491107.34	5449407.68	394.36	JD	6/11/2022	Outcrop	5cm weakly oxidized folded qtz vein along a slip fault plane. Difficult for reliable measurement on vein due to tree root. Host rock is int volc.
023-GSP-22					491175.97	5449407.57	389.45	JD	6/11/2022	Outcrop	Interbedded maf volc and felsic tuff contact. Tuff layers are 1-5m wide. Strong oblique fol or bedding observed.
024-GSP-22	220221				491109.12	5449700.05	382.34	JD	6/11/2022	Outcrop	Continuation of vein to the northeast. 3-4cm scale, light grey/beige to locally dark grey qtz-chl-tr py vein xcutting maf volc. Relatively barren other than tr diss py in wall rock. Walked along strike further to the southwest but couldnt track. No significant deformation. Samples taken: 220221 - qtz-vein material (80% w/ minor wall rock (20%)). Tr cubic diss py.
025-GSP-22	220222	220223	220224		491190.94	5449477.92	390.78	JD	6/12/2022	Outcrop	Large partially tree covered outcrop near waters edge. Strong, chl-ank alt narrow shear zones within vesicular mafic volcanics. Main shear is approximately 20-30cm oriented at 191/74 and truncates a series of folded, creamy white to light grey qtz-ank-chl-tr py veins. Secondary shear splay is oriented at 043/66. All veins are moderately folded, with a general trend and orientation of 294 and 275/70. A narrow, brittle fault plane cuts veins on the east side of exposure, oriented at 219/86 visibly offsets a folded vein with a sinistral sense of offset (cm-scale). Parallel fold hinge of vein measured with a trend/plunge of 019/73. Strongest oxidized (ank alt +/- sulphides?) at the intersection between folded veins and secondary shear splay. Samples: 220222 - qtz-ank-chl-tr py vein material. 220223 - qtz-ank-chl-tr py vein material. 220224 - qtz-ank-chl-tr py vein material (#1 in sketch). Mod from separate veins (see sketch in photos). Samples taken: 220222 - qtz-ank-chl-tr py vein material (#1 in sketch). 220223 - qtz-ank-chl-tr py vein material (#2 in sketch). 220224 - qtz-ank-chl-tr py vein material (#3 in sketch).
026-GSP-22	220225				491182.66	5449446.02	382.80	JD	6/12/2022	Outcrop	Large partially tree covered outcrop near waters edge. Another series of 4-9cm scale strongly folded, mod oxidized qtz-ank-chl-tr py veins xcutting chl-ank alt/weakly sheared vesicular mafic volcanics. Vein orientations are fairly chaotic, possibly following pillow selvage boundaries. Approx vein orientations at 156/65 with a parasitic fold hinge trend/plunge at 223/30. Massive chl domain in vein once again, but this time it contains visible qtz amygdulites, suggesting these veins may be related to pillow selvages/pillowed flow units. Veins are truncated by narrow brittle fault on east side of outcrop oriented at 191/84 similar to previous station. Veins are mainly situated on the west side of fault and noticeably absent on the east side. Possible z-fold displayed suggesting dextral shear sense. Mod cleavage fabric at 046/85, occasionally silty filled and may represent the parasitic vein fold axis. Sample: 220225 - qtz-ank-chl seam-tr py vein material, strongly oxidized.
027-GSP-22					491138.25	5449329.48	385.74	JD	6/12/2022	Outcrop	Ledge outcrop. Weakly foliated massive mafic volcanics.
028-GSP-22					490989.30	5449260.47	390.21	JD	6/12/2022	Outcrop	Cliff outcrop. Mod foliated int lapilli tuff containing local qtz fragments.
029-GSP-22	220226				491325.08	5449997.00	406.18	JD	6/13/2022	Subcrop	Small rubby ridge outcrop of wk ank alt, mod fol/wk sheared int volc flow. Subcrop further to the west appears more sheared and alt, containing 1-2cm folded qtz-ank-tr py veinlets (sample 220226).
030-GSP-22	220227	220228			491293.17	5449947.00	400.62	JD	6/13/2022	Outcrop	Ridge outcrop. 5-10cm wide white-light grey qtz-chl-tr py vein. Vein contains chl seams and no alt. Xcuts mod silicified int volcanic flow and appears to be oriented sblg to mod fract/fit fabric. Weak fol slightly oblique to vein/fractures. Tr py in vein.
031-GSP-22	220229				491296.90	5449915.00	407.32	JD	6/13/2022	Subcrop	Strongly ankerite alt int volcanics. ~10% mm-2cm scale qtz-ank-tr py stringers. Strong fracture fabric trending approx 062 degrees but unreliable due to subcrop.
032-GSP-22					491258.00	5449908.00	400.48	JD	6/13/2022	Outcrop	Ridge outcrop along cedar swamp. Thinly bedded int ash tuff. Wk diss ank alt.
033-GSP-22	220231				491256.98	5449911.00	400.65	JD	6/13/2022	Float	A few 2-4cm scale qtz-chl-tr py veinlets xcutting non foliated vesicular mafic volcanics. Similar looking litho to gold standard showing peninsula.
034-GSP-22	220232	220233			491259.90	5449913.00	401.05	JD	6/13/2022	Outcrop	Locally sheared, chl-ank alt maf volc w/ 3-4cm planar qtz-chl-ank vein directly beside narrow shear of approx 30cm. 0.5% fg-mg cubic diss in alt and sheared wall rock. No visible sulphide in vein. Sample contains approx 30% vein material.
035-GSP-22					491267.55	5449920.00	402.66	JD	6/13/2022	Subcrop	Non mineralized, strongly ank-chl alt and sheared mafic volc subcrop.
036-GSP-22	220234				491256.16	5449994.00	406.23	JD	6/13/2022	Outcrop	Int volcanic tuff xcut by two 4-5cm scale weakly folded qtz-chl-tr py veins. Weak carbonate alt halos. Mod fract fabric sblg to bedding.
037-GSP-22					491466.91	5450138.00	423.75	JD	6/13/2022	Outcrop	Large moss covered outcrop. Weakly foliated int volcanics xcut by a series of 1-4cm scale weakly folded qtz veins with tr sulphide staining.
038-GSP-22					491520.83	5450149.00	422.86	JD	6/13/2022	Outcrop	Mod foliated pillowed maf volc.
039-GSP-22					491670.66	5450140.00	421.55	JD	6/13/2022	Outcrop	Cliff outcrop. Thinly bedded int tuff.
040-GSP-22					491791.00	5450296.00	422.55	JD	6/13/2022	Outcrop	Mod foliated fg-mg pillowed mafic flow with minor qtz filled selvages. Tr cubic diss py.
041-GSP-22					491982.34	5450132.00	402.59	JD	6/13/2022	Outcrop	Wk foliated pillowed mafic volcanics.
042-GSP-22					491868.00	5449954.00	403.00	JD	6/13/2022	Outcrop	Ledge outcrop on south edge of thick cedar swamp. Wk-mod foliated vesicular mafic volcanics.
043-GSP-22	220235-220243				491463.16	5449737.85	404.16	JD	6/14/2022	Outcrop	Ledge outcrop to the east of cedar swamp. Outcrop originally flagged by nearby oxidized subcrop to the east. ~4m wide gossanous, strong ank-chl-minor ser alt shear zone. Shear zone is oriented at 021/75. Zone is strongly mineralized with 2.5% vfg-fg subhedral-lesser cubic diss/blebby py and rare, localized stringer py. No visible quartz veining or silicification associated with shear zone. FW of shear zone is vfg, wk sheared, strongly chloritized and more weakly mineralized mafic volcanics (1-2% py). HW is a similar lithology but experience wk ank alt instead and appears more mineralized than the FW, with up to 5% py. 8 samples taken in ~1m intervals across the zone. 220235 - FW, wk sheared, wk chl alt, 0.25% diss py. 220236 - ank alt shear, 2-3% subhedral/bibb diss py. 220237 - ank alt shear, 5% vfg-fg subhedral diss/bibb py. 220238 - ank alt shear, 5% vfg-fg subhedral/clustered and lesser stringer py. 220239 - HW, wk sheared, mod chl alt, 5% subhedral diss/bibb/clustered py. 220241 - HW, wk sheared, mod chl alt, 0.2% diss py. 220242 - HW, wk sheared, mod chl alt, 0.2% diss py. 220243 - HW, almost no shear fabric, mod chl alt, 4-5% vfg-mg diss/bibb py.

Station_ID	Sample_ID1	Sample_ID2	Sample_ID3	Sample_ID4	Easting	Northing	Elevation	Sampler	Date	Sample_Med	Notes
044-GSP-22	220244				491458.79	5449785.55	404.97	JD	6/14/2022	Outcrop	Ledge outcrop. Mod foliated mafic volcanic. Mod chl alt. 0.5% vfg-fg subhedral to cubic diss/clustered py, occasionally along fol planes.
045-GSP-22	220245				491496.67	5449783.49	405.80	JD	6/14/2022	Outcrop	Ledge outcrop. Wk foliated mafic volcanics on east edge of road. Mod sheared mafic volcanics. Strong chl-mod ank alt. Likely a continuation of shear edge. The remainder of the shear width may be underneath cedar swamp to the east. Minor calcite/carb clots/stringers along shear fabric. No visible sulphide.
046-GSP-22					491557.15	5449655.00	409.64	JD	6/14/2022	Outcrop	Wk fol mafic volcanics.
047-GSP-22	220246				491904.28	5449552.00	399.39	JD	6/14/2022	Outcrop	Large roadside outcrop. Wk fol int lapilli tuff xcut by a series of narrow 1-15cm scale planar qtz-ank-tr py veins and assoc stringers.
048-GSP-22	220247				491853.39	5449234.00	411.69	JD	6/14/2022	Outcrop	Ridge outcrop on west side of road. One 5-12cm scale qtz-carb-galena vein with chl alt halo xcut massive relatively non foliated vfg, mod magnetic vesicular mafic volc. Gal is mg-cg and comprises approx 10% of vein mainly inside and lesser along margins.
049-GSP-22	220248	220249			491862.37	5449193.00	407.87	JD	6/14/2022	Outcrop	Approx 30cm wk ank alt shear controlling a series of narrow 1-7cm qtz-ank-chl/minor mt-tr py veins and stringers slightly oblique to shear. Up to 1% vfg-fg cubic diss py assoc w/ stringer wall rock on shear peripherys. Host rock is mod magnetic, amygd maf volc similar to previous station but with visible amygdules.
050-GSP-22					491935.34	5448828.00	399.80	JD	6/15/2022	Outcrop	Tree peel. Strongly fol and wk magnetic int lapilli tuff/volc breccia.
051-GSP-22					491952.46	5448772.00	395.74	JD	6/15/2022	Outcrop	Cliffside outcrop. Felsic ash tuff with mod anastomosing flt or shear fabric. Patchy local oxidation but no mineralization visible.
052-GSP-22					491119.13	5449306.06	390.00	JD	6/16/2022	Outcrop	Large outcrop on point. Fg-mg amygdoloidal and pillowed mafic volc. Wk-mod localized fol and truncating cleavage visible on eastern edge of outcrop. No veining or alt. Tr cubic diss py. Unit becomes more massive to the southwest on outcrop.
053-GSP-22	220001-220011				491141.08	5449323.03	338.88	JD	6/16/2022	Float	10 mineralized qtz-ank-cpy-py+/- mal samples taken from the Gold Standard Showing tailings pile and one rep sample taken of parasitic fold and shear fabric relationship. Note that samples were selectively collected based on the strongest sulphide content. Samples taken: 220001-220002 - contain more wall rock a narrow stringers. 220003-220011 - dominantly py-cpy+/- mal mineralized qtz-ank vein material.
054-GSP-22	220012				491562.93	5449859.98	407.30	JD	6/16/2022	Outcrop	Historic Roadside Showing. Strongly oxidized ledge outcrop w/ historic channel samples. Series of 4, 3-15cm scale qtz-ank+/- py veins sculting strongly ank alt vfg-fg int to felsic tuff. Wk shear fabric on edge of outcrop ledge at 170/75 (unusual orientation?). Veins are oriented at 200/50 and 212/70 and appear wk crenulated. Up to 1-2% vfg-mg cubic diss py mainly hosted in alt wall rock marginal to veins. Minimal vein hosted sulphide in veins checked with rock hammer but wk-mod oxidation of veins is present in weathered face suggesting more sulphide is present that witnessed in fresh faces. Wk vein crenulations appear to be folded along axis sbpl to measured shear orientation. Sample taken: 220012 - Predominantly alt wall rock containing 2% fg-mg cubic diss/clustered py (70%) and lesser qtz-ank vein material (30%).
055-GSP-22					491612.31	5450041.23	413.61	JD	6/16/2022	Outcrop	Cliff outcrop on edge of swamp. Non foliated mg locally pillowed int flow with local qtz blebs/replacement pods in weak pillow selvages.
056-GSP-22					492653.42	5449999.61	396.96	JD	6/18/2022	Outcrop	Large ridge outcrop. Locally, wk fol int tuff. Minor qtz lapilli visible.
057-GSP-22	220013	220014			492343.17	5449840.61	400.81	JD	6/18/2022	Outcrop	Large ridge outcrop. Series of 2-30cm scale mod folded qtz-ank-minor chl-ser veins with local semi-massive chl seams (commonly witnessed throughout the property and at GS showing). Veins are controlled by a wk 1-2m wide shear zone oriented at 200/80 and crosscut mod ank alt int volc flow. A weaker, secondary local ductile fabric is visible proximal to larger folded vein, oriented at 165/70 (poss fold axis?). Vein orientations are mainly sbpl or slightly oblique to shear fabric at 175/65 (assoc with more narrow stringers) and 235/40 (larger vein). Possible fold hinge measurement obtained from larger folded vein at 335/52 (trend/plunge) and from a smaller folded vein at 328/60. 0.3% local vfg-fg cubic diss py is hosted in some alt wall rock. Shearing/lesser veining continues ~30m along strike to the NE in outcrop (no station made, checked by field partner). Samples taken: 220013 - qtz-ank vein material, no visible sulphides. 220014 - ank alt wall rock, 0.3% cubic diss py.
058-GSP-22					492301.95	5449797.76	398.63	JD	6/18/2022	Outcrop	Outcrop along same ridge as prev station. Strongly fol mafic volc. No ank alt or veining. D66AV86A59:AV66A59:AV66A59:AV67
059-GSP-22					492269.39	5449954.89	396.69	JD	6/18/2022	Outcrop	Ledge outcrop east of cedar swamp. Massive fg-mg, non foliated mafic volc.
060-GSP-22					492171.53	5448889.10	387.09	JD	6/18/2022	Outcrop	Large sloping outcrop on topo high. Wk foliated int lapilli tuff.
061-GSP-22					492430.57	5450201.57	416.27	JD	6/18/2022	Outcrop	Ledge outcrop east of cedar swamp. Wk foliated, locally pillowed mafic volc.
062-GSP-22					492618.83	5450338.39	395.94	JD	6/18/2022	Outcrop	Ridge outcrop. Felsic ash tuff (east) in contact with int/mafic volcanics (west). Strong bedding/cleavage.
063-GSP-22	220015				492674.42	5450402.68	386.07	JD	6/18/2022	Outcrop	Cliff outcrop. Mod chl-cal sheared mafic volc. Shear may be approx 2-3m wide and is defined by chl alt snd minor sbpl cal-qtz+/-tr py stringers. 0.2% fg diss py.
064-GSP-22	220216				492700.40	5450494.47	378.61	JD	6/18/2022	Outcrop	Mod fol int to felsic tuff xcut by two 2-5 cm scale chl-qtz veins or possible healed flts. Hanging wall of veins contain a 20cm mod hem alt halo and hosting up to 2-3% fg-mg cubic py.
065-GSP-22					492682.52	5450681.37	381.98	JD	6/18/2022	Outcrop	Cliff outcrop. Local, wk fol int volc flow.
066-GSP-22					492568.95	5450835.72	387.75	JD	6/18/2022	Outcrop	Ledge outcrop. Fg int volc flow and lapilli tuff contact. Marginal sbpl fabric at contact within flow.
067-GSP-22					492756.31	5449580.92	386.37	JD	6/19/2022	Outcrop	First ledge outcrop on traverse. Massive fg int volc. Minor mm scale qtz stringer on fracture faces.
068-GSP-22					492721.38	5449500.48	385.50	JD	6/19/2022	Outcrop	Outcrop on continued ridge. Mod fol int volc flow. Minor mm scale qtz stringers sbpl to fol.
069-GSP-22					492456.73	5449350.76	387.72	JD	6/19/2022	Outcrop	Massive int volc tuf with wk 3-12cm barren qtz veining. Larger vein displays mod parasitic folding with fold axis parallel to dom vein orientation of 035 strike.
070-GSP-22					492324.75	5449330.04	383.77	JD	6/19/2022	Outcrop	Topo high outcrop just to the east of a pond/swamp. Wk fol int lapilli tuff.
071-GSP-22					492544.87	5449131.96	392.26	JD	6/19/2022	Outcrop	Ridge outcrop. Wk fol int volc tuff.
072-GSP-22	220017				492578.10	5449140.14	394.04	JD	6/19/2022	Outcrop	Larger rock out outcrop. Strong, approx 4m wide chl-lesser ank alt shear sculting int tuff. Wk magnetism. Minor ank+/-minor a qtz stringers sbpl to shear fabric. Tr vfg stringer py.
073-GSP-22					492828.48	5449226.97	394.43	JD	6/19/2022	Outcrop	Massive ridge outcrop. Mod fol vesicular/amygd int volc flow.
074-GSP-22					492934.48	5449113.88	394.22	JD	6/19/2022	Outcrop	Small ledge outcrop. Wk fol vesicular, pillowed int volc. Minor blotchy oxidation.
075-GSP-22					493071.49	5448852.91	386.88	JD	6/19/2022	Outcrop	Outcrop on topo high cliff. Vfg wk fol locally vesicular int volc flow.
076-GSP-22					493164.79	5448765.41	384.55	JD	6/19/2022	Outcrop	Cliff outcrop north of narrow cedar swamp. Mod fol int tuff.
077-GSP-22	220018				493904.52	5448932.52	386.44	JD	6/19/2022	Outcrop	Cliff outcrop on west side of small lake. Approx 3m wide brittle-ductile fault zone with extensive 1-20cm scale chaotic qtz-chl vein brx comprising 30% of zone. Wk marginal fract cntrl ser alt. No vis sulphide. Xcuts vesicular int volc flow.
078-GSP-22	220019				492850.44	5450653.14	370.32	JD	6/20/2022	Outcrop	Larger lakeside outcrop. Fg-mg int volc flow xcut by 15-20cm scale weakly wavy qtz-chl vein. No vis sulphide. Mod local 2m wide cleavage adjacent to vein in the south FW side at unique orientation.
079-GSP-22	220021	220022	220023		492844.19	5450726.63	375.61	JD	6/20/2022	Outcrop	Massive 10m tallx25m long cliff exposure. An extensive series of 1-10cm scale qtz-chl veins forming along and oblique to narrow, 10-30 cm wide wk-mod ank alt brittle/ductile shears sculting vfg-fg int volcanics, oriented sbpl to cliff face at 006/72 and 002/68. Vein orientations are fairly chaotic and occasionally appear as vein brx with orientations measured at 006/80, 117/60 and 090/58. brittle-ductile def zone is present along the majority of the ~25m long cliff exposure, like along strike. Mod-strong cleavage present with dom orientation of 105/45. Local sulphid stringer/fracture filling noted containing py-cpy-mal-minor qtz but appears fairly isolated in comparison to larger, sulphide-poor qtz veins. Sulphide mineralization appears to be mainly hosted within local narrow (mm-1cm scale) fracture fillings and within narrow shears. Mod magnetic pull on compass of approx 10 degrees. Similarities in def vein brx zone to station 077-GSP-22. Samples taken: 220021 - local mm-1cm scale sulphide stringers/fracture filling containing 1-3% py, 0.5% malachite, tr cpy, minor qtz, wk silification of wall rock. 220022 - second sample of previous sulphide stringer/fracture filling. 220023 - 4cm wide qtz-chl vein, tr diss py in wall rock.
080-GSP-22					492859.56	5450835.11	390.37	JD	6/20/2022	Outcrop	Small corner outcrop on topo high. Searched along strike of def zone but havent found it yet. Mod fol int lapilli tuff.
081-GSP-22					492937.27	5450833.45	378.74	JD	6/20/2022	Outcrop	Cliff face on east side of cedar swamp. Barren, mod fol int volc flow.
082-GSP-22	220024				493757.45	5450121.86	365.75	JD	6/20/2022	Outcrop	Series of low lying ridge outcrops. Strongly sheared and mod ank-wk ser alt felsic to int tuff. Visible fg qtz eyes. Schistose fabric is present at wide interval of approx 10-15m, disappearing under cedar swamp to the east. No veining present. Tr diss py.
083-GSP-22					494125.99	5450075.32	365.45	JD	6/20/2022	Outcrop	Ledge outcrop on west side of swamp. Wk fol vesicular int volc flow.
084-GSP-22					494042.06	5450057.19	381.52	JD	6/20/2022	Subcrop	Ledge subcrop on west of swamp. Moderate confidence tag it may be attached and measurement valid. Strongly sheared and wk ank alt int volc. No vis sulphide. Other float peices north along shore.
085-GSP-22	220025				494024.64	5450050.54	381.38	JD	6/20/2022	Float	Small piece of float containing mm-2cm scale qtz-ank-py float. Mod ser alt and wk shearing of wall rock. 0.2% fg py within strongly oxidized clots.
086-GSP-22	220026				494034.43	5450080.65	385.36	JD	6/20/2022	Subcrop	Shifted subcrop with local mm-5cm scale qtz-cal-chl-tr py veinlets hosted within wk fol int volcanic flow. No signif alt. Cannot obtain reliable measurements dur to subcrop. Sample taken.

Soil Sample Stations:

Station_ID	Elevation	Easting	Northing	Sample_ID1	Sampler	Date	Sample_Med	Notes	Editors Notes
001-GSS-22-NS	396.03	491145.02	5449327.25		MC	6/10/2022	Soil		
002-GSS-22	394.62	491126.60	5449335.61	219001	MC	6/10/2022	Soil		
003-GSS-22	393.36	491055.10	5449408.32	219002	MC	6/10/2022	Soil		
004-GSS-22	403.08	491042.97	5449424.24	219003	MC	6/10/2022	Soil		
005-GSS-22	400.10	491068.06	5449444.21	219004	MC	6/10/2022	Soil		
006-GSS-22	394.08	491081.65	5449425.40	219005	MC	6/10/2022	Soil		
007-GSS-22	394.88	491102.38	5449405.14	219006	MC	6/10/2022	Soil		
008-GSS-22	394.46	491122.03	5449385.98	219007	MC	6/10/2022	Soil		
009-GSS-22	394.37	491131.39	5449365.95	219008	MC	6/10/2022	Soil		
010-GSS-22	395.15	491148.76	5449341.70	219009	MC	6/10/2022	Soil		
011-GSS-22-NS	395.91	491162.52	5449331.78		MC	6/10/2022	Soil	No Sample- tailings pile, disturbed site	
012-GSS-22	392.21	491169.56	5449364.78	219010	MC	6/10/2022	Soil		No duplicate needed for test grid over GS showing.
013-GSS-22	397.15	491155.89	5449378.04	219011	MC	6/10/2022	Soil		
014-GSS-22	397.41	491142.07	5449396.96	219012	MC	6/11/2022	Soil		
015-GSS-22	400.21	491126.88	5449413.99	219013	MC	6/11/2022	Soil		
016-GSS-22	392.15	491115.83	5449431.57	219014	MC	6/11/2022	Soil		
017-GSS-22	398.52	491081.05	5449456.31	219015	MC	6/11/2022	Soil		
018-GSS-22	400.36	491072.41	5449474.33	219016	MC	6/11/2022	Soil		
019-GSS-22	396.45	491089.48	5449490.31	219017	MC	6/11/2022	Soil		
020-GSS-22-NS	392.82	491104.61	5449476.39		MC	6/11/2022	Soil	No Sample - station located in	
021-GSS-22	391.67	491127.74	5449451.68	219018	MC	6/11/2022	Soil		
022-GSS-22	397.57	491141.55	5449433.53	219019	MC	6/11/2022	Soil		
023-GSS-22	396.63	491160.32	5449413.49	219020	MC	6/11/2022	Soil		No blank needed for test grid over GS showing.
024-GSS-22-NS	394.08	491175.44	5449396.34		MC	6/11/2022	Soil	No sample- station located in	
025-GSS-22-NS	393.12	491185.46	5449422.12		MC	6/11/2022	Soil	No sample- station located in water	
026-GSS-22	397.05	491167.50	5449439.71	219021	MC	6/11/2022	Soil		
027-GSS-22	397.04	491153.39	5449454.52	219022	MC	6/11/2022	Soil		
028-GSS-22	396.14	491141.26	5449477.00	219023	MC	6/11/2022	Soil		
029-GSS-22	395.79	491170.69	5449476.17	219024	MC	6/11/2022	Soil		
030-GSS-22	395.41	491189.81	5449450.24	219024	MC	6/11/2022	Soil		
031-GSS-22	397.68	491192.04	5449480.48	219026	MC	6/11/2022	Soil		
032-GSS-22-NS	393.57	491501.26	5449403.84		MC	6/12/2022	Soil	No sample- station located in water	
033-GSS-22	396.60	491454.98	5449440.59	219027	MC	6/12/2022	Soil		
034-GSS-22	401.87	491426.91	5449475.22	219028	MC	6/12/2022	Soil		
035-GSS-22	394.38	491401.16	5449504.93	219029	MC	6/12/2022	Soil	Water edge	
036-GSS-22	391.53	491394.38	5449589.22	219030	MC	6/12/2022	Soil	Duplicate	
036-GSS-22-D	391.53	491394.38	5449589.22	219031	MC	6/12/2022	DUPLICATE		
037-GSS-22	404.64	491433.80	5449550.69	219032	MC	6/12/2022	Soil		
038-GSS-22	409.89	491471.92	5449515.17	219033	MC	6/12/2022	Soil		
039-GSS-22	402.47	491499.83	5449476.32	219034	MC	6/12/2022	Soil		
040-GSS-22	399.71	491539.20	5449447.47	219035	MC	6/12/2022	Soil		
041-GSS-22-NS	395.51	491642.29	5449396.62		MC	6/12/2022	Soil	No sample- station too wet to collect soil sample	
042-GSS-22-NS	397.47	491609.64	5449439.69		MC	6/12/2022	Soil	No Sample- station located in swamp, only organic	
043-GSS-22-NS	396.55	491574.36	5449476.99		MC	6/12/2022	Soil	No sample- bottomless sphagnum	
044-GSS-22	401.20	491537.11	5449504.39	219036	MC	6/12/2022	Soil		
045-GSS-22	408.89	491508.96	5449538.45	219037	MC	6/12/2022	Soil		
046-GSS-22	410.84	491467.94	5449575.20	219038	MC	6/12/2022	Soil		
047-GSS-22	419.81	491441.26	5449617.71	219039	MC	6/12/2022	Soil		
BLANK				219040		6/12/2022	BLANK		
048-GSS-22	401.60	491409.18	5449648.44	219041	MC	6/12/2022	Soil		
049-GSS-22-NS	-8388608.00	491371.92	5449764.45		MC	6/12/2022	Soil	No sample- wet area	
050-GSS-22	390.90	491411.50	5449731.26	219042	MC	6/12/2022	Soil		
051-GSS-22	409.55	491435.83	5449687.76	219043	MC	6/13/2022	Soil		
052-GSS-22	419.52	491473.74	5449656.79	219044	MC	6/13/2022	Soil		
053-GSS-22	417.98	491514.48	5449619.59	219045	MC	6/13/2022	Soil		
054-GSS-22	415.84	491541.39	5449586.65	219046	MC	6/13/2022	Soil		
055-GSS-22	398.77	491577.66	5449537.46	219047	MC	6/13/2022	Soil		
056-GSS-22-NS	395.76	491615.06	5449506.16		MC	6/13/2022	Soil	No sample- station located in cedar swamp with standing water	
057-GSS-22-NS	395.10	491642.84	5449470.76		MC	6/13/2022	Soil	No sample- station located in swamp, only organics present above water table	
058-GSS-22-NS	392.43	491673.67	5449435.37		MC	6/13/2022	Soil	No sample- station located in cedar swamp	
059-GSS-22	396.87	491716.25	5449458.43	219048	MC	6/13/2022	Soil		
060-GSS-22-NS	394.93	491677.71	5449506.18		MC	6/13/2022	Soil	Station located in cedar swamp	
061-GSS-22-NS	396.37	491648.83	5449530.46		MC	6/13/2022	Soil	No sample- Station located in cedar swamp	
062-GSS-22	402.96	491620.34	5449579.41	219049	MC	6/13/2022	Soil		
STANDARD - OREAS 46				219050		6/13/2022	STANDARD - OREAS 46		
063-GSS-22	411.08	491580.62	5449613.27	219051	MC	6/13/2022	Soil		
064-GSS-22	400.59	491541.13	5449656.91	219052	MC	6/13/2022	Soil		
065-GSS-22	400.28	491508.76	5449688.75	219053	MC	6/13/2022	Soil	Correct location	
066-GSS-22	404.09	491482.21	5449714.70	219054	MC	6/13/2022	Soil		
067-GSS-22	400.88	491450.08	5449761.22	219055	MC	6/13/2022	Soil		
068-GSS-22	404.02	491408.11	5449800.08	219056	MC	6/13/2022	Soil		
069-GSS-22	409.70	491444.15	5449833.60	219057	MC	6/13/2022	Soil		
070-GSS-22	408.31	491480.15	5449798.63	219058	MC	6/13/2022	Soil		
071-GSS-22-NS	407.82	491504.08	5449771.58		MC	6/13/2022	Soil	No sample- cedar swamp with high water table	

GOLD STANDARD SHOWING TEST GRID

Station_ID	Elevation	Easting	Northing	Sample_ID1	Sampler	Date	Sample_Med	Notes	Editors Notes
072-GSS-22	414.00	491548.43	5449712.82	219059	MC	6/13/2022	Soil		
BLANK				219060		6/13/2022	BLANK		
073-GSS-22	413.70	491583.78	5449681.85	219061	MC	6/13/2022	Soil		
074-GSS-22	423.57	491619.35	5449646.56	219062	MC	6/13/2022	Soil		
075-GSS-22	408.00	491651.29	5449618.16	219063	MC	6/13/2022	Soil		
076-GSS-22	402.99	491668.05	5449571.67	219064	MC	6/13/2022	Soil		
077-GSS-22-NS	400.03	491723.22	5449536.12		MC	6/14/2022	Soil	No sample- only folic su	
078-GSS-22	398.83	491746.41	5449506.52	219065	MC	6/14/2022	Soil		
079-GSS-22	407.33	491783.96	5449526.03	219066	MC	6/14/2022	Soil		
080-GSS-22	406.55	491756.11	5449560.09	219067	MC	6/14/2022	Soil		
081-GSS-22	409.07	491721.64	5449600.16	219068	MC	6/14/2022	Soil		
082-GSS-22	411.42	491688.06	5449648.79	219069	MC	6/14/2022	Soil	219069 is correct sample tag #	
083-GSS-22	426.10	491652.77	5449680.42	219070	MC	6/14/2022	Soil	Duplicate	
083-GSS-22-D	426.10	491652.77	5449680.42	219071	MC	6/14/2022	DUPLICATE		
084-GSS-22	419.22	491612.60	5449706.05	219072	MC	6/14/2022	Soil		
085-GSS-22	424.70	491583.82	5449752.22	219073	MC	6/14/2022	Soil		
086-GSS-22-NS	409.91	491548.18	5449790.31		MC	6/14/2022	Soil	No sample- cedar swamp	
087-GSS-22	410.53	491520.32	5449819.80	219074	MC	6/14/2022	Soil		
088-GSS-22	416.07	491492.78	5449862.09	219075	MC	6/14/2022	Soil		
089-GSS-22	421.34	491521.53	5449895.85	219076	MC	6/15/2022	Soil		
090-GSS-22	411.01	491569.48	5449859.86	219077	MC	6/15/2022	Soil		
091-GSS-22-NS	406.97	491592.02	5449826.25		MC	6/15/2022	Soil	No sample- cedar swamp with high water table	
092-GSS-22	411.11	491618.55	5449788.42	219078	MC	6/15/2022	Soil		
093-GSS-22	421.22	491661.62	5449751.11	219079	MC	6/15/2022	Soil		
BLANK				219080		6/15/2022	BLANK		
094-GSS-22	392.23	492018.46	5449722.67	219081	MC	6/15/2022	Soil		
095-GSS-22	396.92	491977.65	5449761.09	219082	MC	6/15/2022	Soil		
096-GSS-22	402.87	491945.44	5449801.27	219083	MC	6/15/2022	Soil		
097-GSS-22	398.69	491908.84	5449835.79	219084	MC	6/15/2022	Soil		
098-GSS-22	395.14	491875.83	5449876.74	219085	MC	6/15/2022	Soil		
099-GSS-22	409.79	491844.05	5449912.59	219086	MC	6/15/2022	Soil		
100-GSS-22	413.46	491811.25	5449946.55	219087	MC	6/15/2022	Soil		
101-GSS-22	418.48	491781.31	5449994.50	219088	MC	6/15/2022	Soil		
102-GSS-22	421.31	491745.02	5450034.91	219089	MC	6/15/2022	Soil		
103-GSS-22	418.53	491712.63	5450052.42	219090	MC	6/15/2022	Soil	Duplicate sample taken	
103-GSS-22-D	418.53	491712.63	5450052.42	219091	MC	6/15/2022	DUPLICATE		
104-GSS-22	413.14	491672.67	5450029.01	219092	MC	6/15/2022	Soil		
105-GSS-22	420.06	491706.50	5449994.73	219093	MC	6/15/2022	Soil		
106-GSS-22	414.44	491687.06	5449715.06	219094	MC	6/16/2022	Soil		
107-GSS-22	415.40	491726.19	5449672.75	219095	MC	6/16/2022	Soil		
108-GSS-22	408.88	491758.56	5449639.69	219096	MC	6/16/2022	Soil		
109-GSS-22	395.97	491787.49	5449598.84	219097	MC	6/16/2022	Soil		
110-GSS-22	401.15	491819.26	5449556.77	219098	MC	6/16/2022	Soil		
111-GSS-22	395.85	491867.92	5449600.05	219099	MC	6/16/2022	Soil		
STANDARD - OREAS 46				219100		6/16/2022	STANDARD - OREAS 46		
112-GSS-22	398.44	491831.39	5449629.35	219101	MC	6/16/2022	Soil		
113-GSS-22	403.93	491794.79	5449657.09	219102	MC	6/16/2022	Soil		
114-GSS-22	407.18	491765.72	5449702.37	219103	MC	6/16/2022	Soil		
115-GSS-22	416.20	491727.53	5449737.89	219104	MC	6/16/2022	Soil		
116-GSS-22	420.06	491696.04	5449777.30	219105	MC	6/16/2022	Soil		
117-GSS-22	417.87	491663.89	5449805.13	219106	MC	6/16/2022	Soil		
118-GSS-22	401.32	491629.21	5449854.10	219107	MC	6/16/2022	Soil		
119-GSS-22-NS	406.56	491600.80	5449900.72		MC	6/16/2022	Soil	No sample- cedar swamp with standing water- only folic substrate present	
120-GSS-22	414.10	491562.09	5449930.13	219108	MC	6/16/2022	Soil		
121-GSS-22	400.66	491595.64	5449960.76	219109	MC	6/18/2022	Soil		
122-GSS-22-NS	407.98	491638.28	5449922.46		MC	6/18/2022	Soil	No sample cedar swamp	
123-GSS-22	417.66	491669.25	5449885.05	219110	MC	6/18/2022	Soil	Duplicate sample taken	
123-GSS-22-D	417.66	491669.25	5449885.05	219111		6/18/2022	DUPLICATE		
124-GSS-22	422.26	491692.74	5449858.01	219112	MC	6/18/2022	Soil		
125-GSS-22	419.77	491735.37	5449816.48	219113	MC	6/18/2022	Soil		
126-GSS-22	415.97	491764.52	5449777.08	219114	MC	6/18/2022	Soil		
127-GSS-22	412.17	491796.09	5449743.57	219115	MC	6/18/2022	Soil		
128-GSS-22	398.51	491834.41	5449698.93	219116	MC	6/18/2022	Soil		
129-GSS-22	399.77	491866.62	5449658.76	219117	MC	6/18/2022	Soil		
130-GSS-22-NS	398.33	491896.66	5449628.03		MC	6/18/2022	Soil	No sample- cedar swamp	
131-GSS-22	400.28	491930.59	5449662.66	219118	MC	6/18/2022	Soil		
132-GSS-22-NS	398.44	491912.22	5449702.71		MC	6/18/2022	Soil	No sample- only folic substrate present at station- saturated	
133-GSS-22-NS	400.68	491876.28	5449737.89		MC	6/18/2022	Soil	No Sample- wet site with standing water, saturated soil	
134-GSS-22	404.58	491836.26	5449767.53	219119	MC	6/18/2022	Soil		
BLANK				219120		6/18/2022	BLANK		
135-GSS-22	414.65	491797.05	5449804.71	219121	MC	6/18/2022	Soil		
136-GSS-22	420.66	491766.87	5449839.22	219122	MC	6/18/2022	Soil		
137-GSS-22	423.69	491741.38	5449892.51	219123	MC	6/18/2022	Soil		
138-GSS-22	421.44	491705.58	5449923.24	219124	MC	6/18/2022	Soil		
139-GSS-22	411.98	491672.79	5449957.09	219125	MC	6/18/2022	Soil		

Station_ID	Elevation	Easting	Northing	Sample_ID1	Sampler	Date	Sample_Med	Notes	Editors Notes
140-GSS-22	411.98	491638.38	5449989.27	219126	MC	6/18/2022	Soil		
141-GSS-22	418.67	491735.21	5449953.00	219127	MC	6/18/2022	Soil		
142-GSS-22	421.43	491766.54	5449913.48	219128	MC	6/18/2022	Soil		
143-GSS-22	416.40	491797.16	5449874.97	219129	MC	6/18/2022	Soil		
144-GSS-22	408.27	491835.72	5449844.23	219130	MC	6/18/2022	Soil	Duplicate sample taken	
144-GSS-22-D	408.27	491835.72	5449844.23	219131	MC	6/18/2022	DUPLICATE		
145-GSS-22	405.49	491876.30	5449801.81	219132	MC	6/18/2022	Soil		
146-GSS-22	407.42	491901.61	5449771.43	219133	MC	6/18/2022	Soil		
147-GSS-22-NS	406.88	491943.44	5449728.12		MC	6/18/2022	Soil	No sample- only folic substrate.	
148-GSS-22	404.61	491974.13	5449692.29	219134	MC	6/18/2022	Soil		
149-GSS-22	394.04	492330.72	5450005.60	219135	MC	6/19/2022	Soil		
150-GSS-22	390.65	492312.02	5449968.39	219136	MC	6/19/2022	Soil		
151-GSS-22	389.69	492297.38	5449917.05	219137	MC	6/19/2022	Soil		
152-GSS-22	386.06	492281.14	5449867.61	219138	MC	6/19/2022	Soil		
153-GSS-22-NS		492257.98	5449818.27		MC	6/19/2022	Soil	No sample- station located in water	
154-GSS-22	389.90	492309.75	5449800.75	219139	MC	6/19/2022	Soil		
BLANK				219140		6/19/2022	BLANK		
155-GSS-22	400.45	492325.62	5449845.97	219141	MC	6/19/2022	Soil		
156-GSS-22	401.89	492338.44	5449897.99	219142	MC	6/19/2022	Soil		
157-GSS-22	402.20	492356.86	5449943.87	219143	MC	6/19/2022	Soil		
158-GSS-22	403.08	492377.09	5449984.64	219144	MC	6/19/2022	Soil		
159-GSS-22	398.27	492468.77	5449956.73	219145	MC	6/19/2022	Soil		
160-GSS-22	398.84	492449.76	5449906.05	219146	MC	6/19/2022	Soil		
161-GSS-22	403.37	492440.14	5449852.37	219147	MC	6/19/2022	Soil		
162-GSS-22	403.32	492409.42	5449811.51	219148	MC	6/19/2022	Soil		
163-GSS-22	404.15	492403.46	5449768.93	219149	MC	6/19/2022	Soil		
STANDARD - OREAS 46				219150		6/19/2022	STANDARD - OREAS 46		
164-GSS-22	397.47	492349.86	5449782.91	219151	MC	6/19/2022	Soil		
165-GSS-22	394.41	492375.07	5449836.90	219152	MC	6/19/2022	Soil		
166-GSS-22	393.63	492392.99	5449890.34	219153	MC	6/19/2022	Soil		
167-GSS-22	397.61	492402.88	5449927.80	219154	MC	6/19/2022	Soil		
168-GSS-22-NS	394.27	492431.85	5449968.67		MC	6/19/2022	Soil	No Sample- cedar swamp site	

Bark Sample Stations:

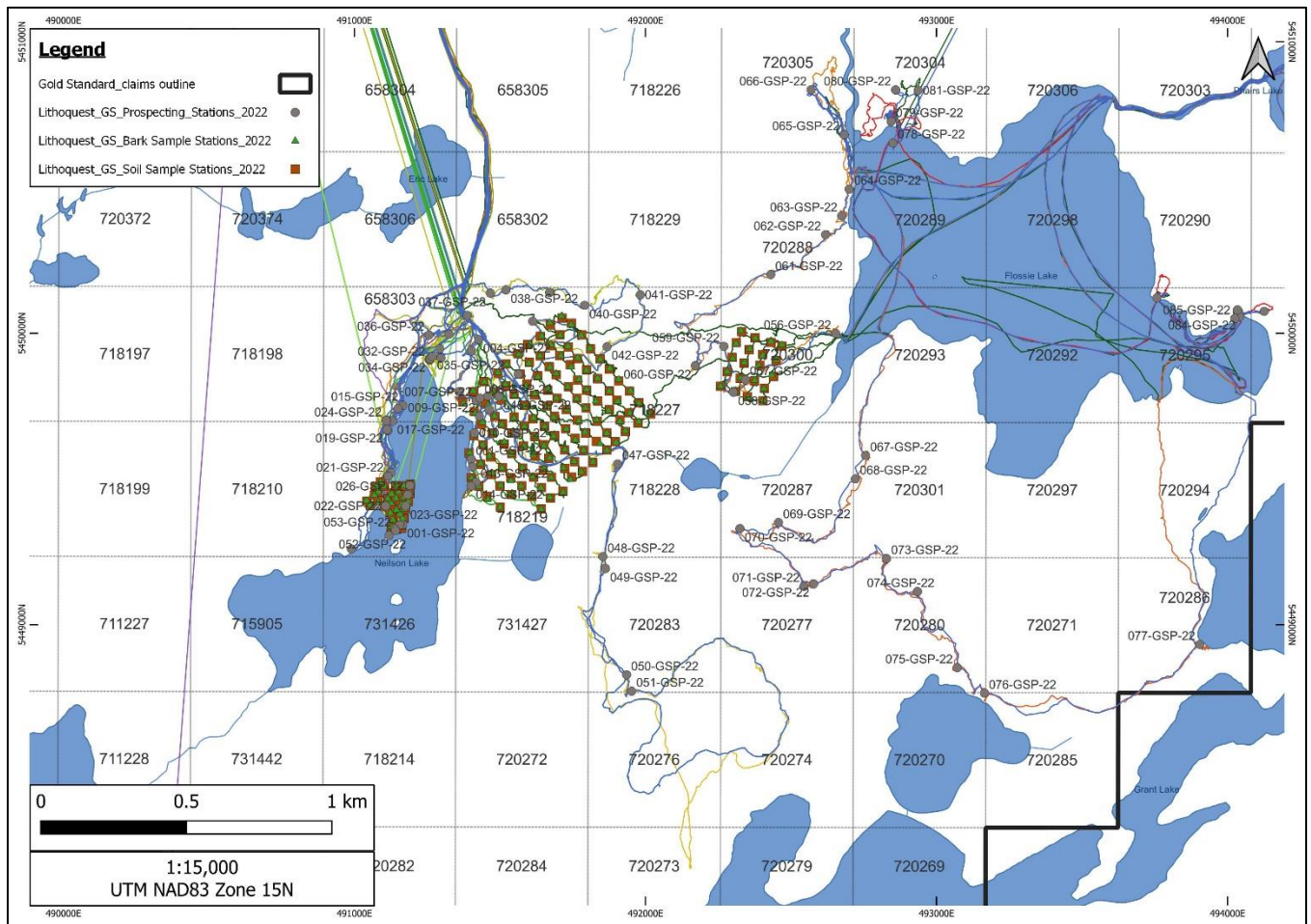
Station_ID	Elevation	Easting	Northing	Sample_ID1	Sampler	Date	Sample_Med	Notes	Editors Notes
001-GSB-22	395.31	491142.47	5449323.02	219501	MC	6/10/2022	Bark		
002-GSB-22	394.14	491126.46	5449335.83	219502	MC	6/10/2022	Bark		
003-GSB-22	393.00	491053.87	5449409.55	219503	MC	6/10/2022	Bark		
004-GSB-22	402.33	491041.44	5449425.58	219504	MC	6/10/2022	Bark		
005-GSB-22	400.37	491068.57	5449444.32	219505	MC	6/10/2022	Bark		
006-GSB-22	394.03	491081.21	5449420.18	219506	MC	6/10/2022	Bark		
007-GSB-22	394.39	491101.58	5449404.35	219507	MC	6/10/2022	Bark		
008-GSB-22	394.72	491123.26	5449383.53	219508	MC	6/10/2022	Bark		
009-GSB-22	394.31	491132.04	5449359.84	219509	MC	6/10/2022	Bark		
010-GSB-22	395.16	491148.61	5449340.80	219010	MC	6/10/2022	Bark		No duplicate needed for test grid over GS showing.
011-GSB-22-NS	395.97	491165.73	5449335.55		MC	6/10/2022	Bark	No Sample- no black spruce trees	
012-GSB-22	393.18	491166.36	5449364.90	219511	MC	6/10/2022	Bark		
013-GSB-22	396.70	491155.96	5449379.93	219512	MC	6/10/2022	Bark		
014-GSB-22	397.59	491143.75	5449393.95	219513	MC	6/11/2022	Bark		
015-GSB-22	399.76	491125.72	5449416.88	219514	MC	6/11/2022	Bark		
016-GSB-22	391.52	491114.67	5449432.46	219515	MC	6/11/2022	Bark		
017-GSB-22	398.53	491082.87	5449455.97	219516	MC	6/11/2022	Bark		
018-GSB-22	400.25	491075.10	5449475.66	219517	MC	6/11/2022	Bark		
019-GSB-22	396.14	491089.48	5449489.08	219518	MC	6/11/2022	Bark		
020-GSB-22-NS	392.68	491104.03	5449475.39		MC	6/11/2022	Bark	No Sample - station located in water	
021-GSB-22	392.38	491127.51	5449449.45	219519	MC	6/11/2022	Bark		
022-GSB-22	397.54	491143.08	5449433.42	219520	MC	6/10/2022	Bark		No blank needed for test grid over GS showing.
023-GSB-22	396.64	491161.77	5449411.60	219521	MC	6/11/2022	Bark		
024-GSB-22-NS	394.10	491171.80	5449395.91		MC	6/11/2022	Bark	No sample- station located in water	
025-GSB-22-NS	392.61	491184.74	5449422.57		MC	6/11/2022	Bark	No sample- station located in water	
026-GSB-22	396.30	491169.90	5449437.60	219522	MC	6/11/2022	Bark		
027-GSB-22	397.07	491151.49	5449455.86	219523	MC	6/11/2022	Bark		
028-GSB-22	396.12	491140.68	5449479.44	219524	MC	6/11/2022	Bark		
029-GSB-22	395.77	491170.25	5449476.62	219525	MC	6/11/2022	Bark		
030-GSB-22	395.31	491190.39	5449453.02	219526	MC	6/11/2022	Bark		
031-GSB-22	397.64	491196.85	5449481.47	219527	MC	6/11/2022	Bark		
032-GSB-22	393.65	491501.11	5449403.29	219528	MC	6/12/2022	Bark		
033-GSB-22	396.92	491457.80	5449430.59	219529	MC	6/12/2022	Bark		
034-GSB-22	402.54	491427.20	5449475.44	219530	MC	6/12/2022	Bark		
034-GSB-22-D				219531	MC	6/12/2022	DUPLICATE		
035-GSB-22	394.53	491402.18	5449503.38	219532	MC	6/12/2022	Bark		
036-GSB-22	391.81	491395.83	5449589.88	219533	MC	6/12/2022	Bark		
037-GSB-22	404.73	491433.73	5449553.02	219534	MC	6/12/2022	Bark		
038-GSB-22	409.89	491473.24	5449520.49	219535	MC	6/12/2022	Bark		
039-GSB-22	402.39	491502.68	5449478.32	219536	MC	6/12/2022	Bark		
040-GSB-22	399.65	491541.68	5449450.47	219537	MC	6/12/2022	Bark		
041-GSB-22	395.50	491642.14	5449396.51	219538	MC	6/12/2022	Bark		
042-GSB-22	396.32	491609.86	5449440.25	219539	MC	6/12/2022	Bark		
BLANK				219540	MC	6/12/2022	BLANK		
043-GSB-22-NS	396.49	491572.18	5449475.76		MC	6/12/2022	Bark	No sample- cedar swamp	
044-GSB-22	401.22	491537.89	5449494.72	219541	MC	6/12/2022	Bark		
045-GSB-22	408.93	491507.07	5449538.01	219542	MC	6/12/2022	Bark		
046-GSB-22	410.80	491464.66	5449577.54	219543	MC	6/12/2022	Bark		
047-GSB-22	418.21	491440.46	5449617.49	219544	MC	6/12/2022	Bark		
048-GSB-22-NS	401.94	491409.55	5449649.22		MC	6/12/2022	Bark	No sample - no black spruce near station	
049-GSB-22-NS	-8388608.00	491375.55	5449758.88		MC	6/12/2022	Bark	No sample- no spruce wet area	
050-GSB-22	390.84	491414.84	5449725.81	219545	MC	6/12/2022	Bark		
051-GSB-22	409.34	491440.43	5449694.64	219546	MC	6/13/2022	Bark		
052-GSB-22	419.35	491477.46	5449659.12	219547	MC	6/13/2022	Bark		
053-GSB-22	418.27	491515.00	5449627.16	219548	MC	6/13/2022	Bark		
054-GSB-22	415.64	491538.91	5449584.99	219549	MC	6/13/2022	Bark		
055-GSB-22-NS	398.71	491577.30	5449538.57		MC	6/13/2022	Bark	No black spruce near station	
STANDARD				219550	MC	6/13/2022	STANDARD		
056-GSB-22	395.68	491613.60	5449508.17	219551	MC	6/13/2022	Bark		
057-GSB-22	395.16	491641.38	5449469.88	219552	MC	6/13/2022	Bark	Missing sample number, added in based on gap in bark sample series (JD).	
058-GSB-22	394.53	491671.85	5449436.82	219553	MC	6/13/2022	Bark		
059-GSB-22	396.78	491717.34	5449455.31	219554	MC	6/13/2022	Bark		
060-GSB-22	395.00	491676.04	5449504.96	219555	MC	6/13/2022	Bark		
061-GSB-22	396.29	491651.53	5449535.23	219556	MC	6/13/2022	Bark		
062-GSB-22-NS	402.49	491614.52	5449582.98		MC	6/13/2022	Bark	No sample- no black spruce	
063-GSB-22-NS	411.28	491582.73	5449611.71		MC	6/13/2022	Bark	No sample- no black spruce available to sample	
064-GSB-22	400.67	491542.65	5449653.57	219557	MC	6/13/2022	Bark		
065-GSB-22	400.37	491506.06	5449687.31	219558	MC	6/13/2022	Bark		
066-GSB-22	404.00	491481.04	5449716.14	219559	MC	6/13/2022	Bark		
BLANK				219560	MC	6/13/2022	BLANK		
067-GSB-22-NS	400.90	491459.32	5449753.53		MC	6/13/2022	Bark	No Sample- no black spruce near station	
068-GSB-22	403.31	491407.09	5449802.30	219561	MC	6/13/2022	Bark		
069-GSB-22	408.74	491446.55	5449833.60	219562	MC	6/13/2022	Bark		
070-GSB-22	408.47	491477.68	5449799.08	219563	MC	6/13/2022	Bark		

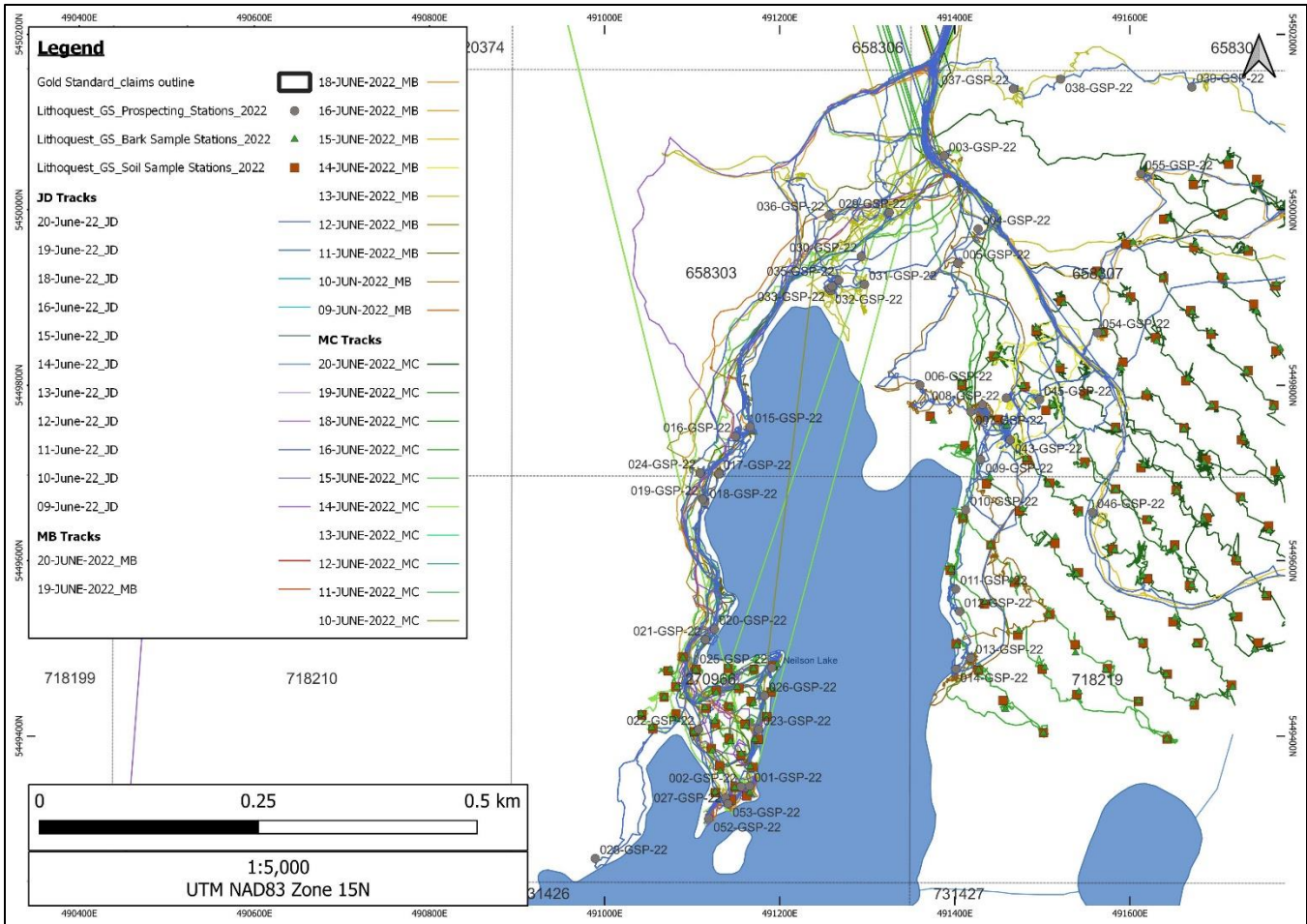
GOLD STANDARD SHOWING TEST GRID

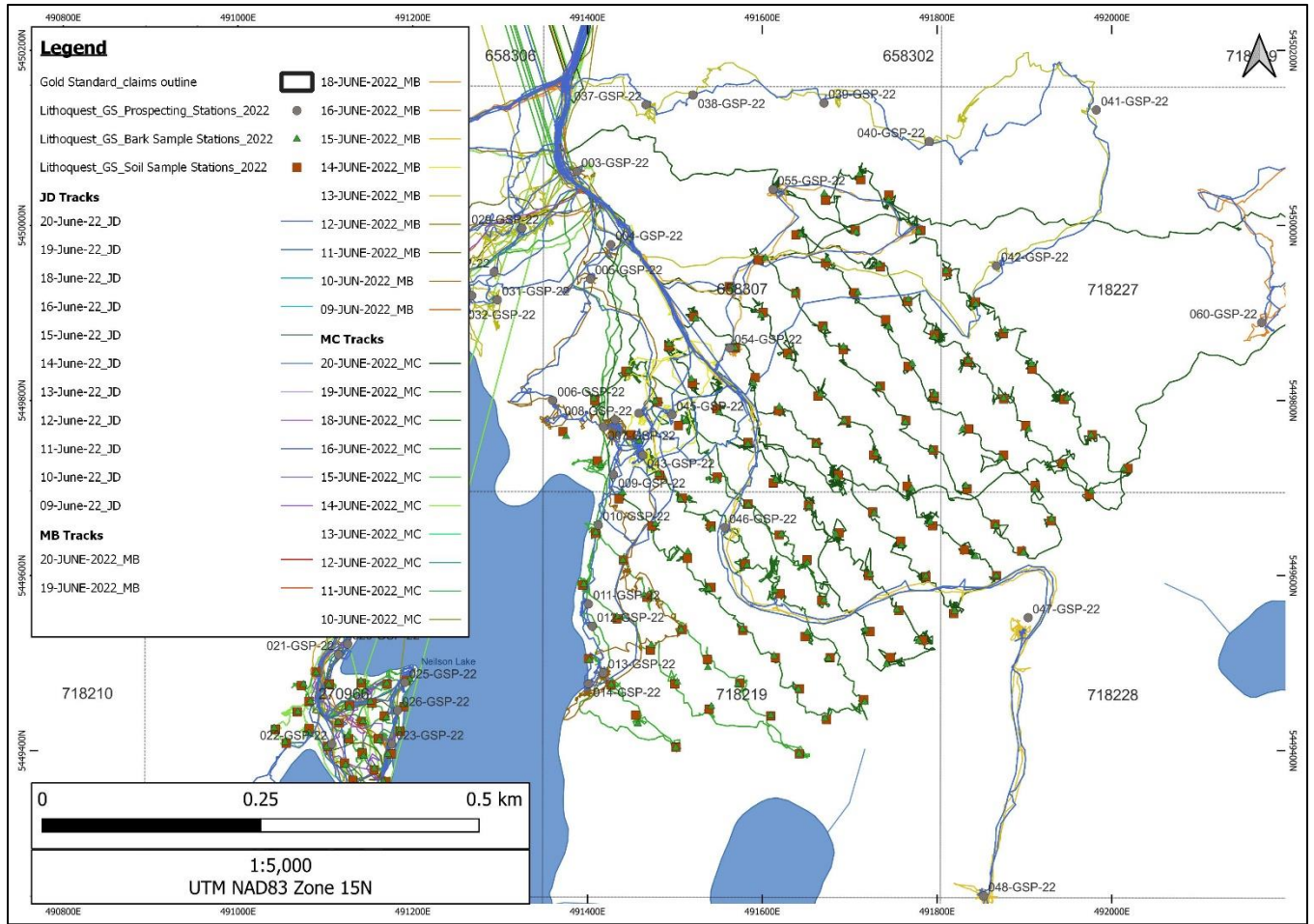
Station_ID	Elevation	Easting	Northing	Sample_ID1	Sampler	Date	Sample_Med	Notes	Editors Notes
071-GSB-22	407.15	491512.39	5449776.68	219564	MC	6/13/2022	Bark		
072-GSB-22	414.09	491548.05	5449708.71	219565	MC	6/13/2022	Bark		
073-GSB-22	413.80	491584.00	5449680.86	219566	MC	6/13/2022	Bark		
074-GSB-22	423.43	491621.83	5449647.11	219567	MC	6/13/2022	Bark		
075-GSB-22-NS	407.96	491651.57	5449614.39		MC	6/13/2022	Bark	No Sample- no black spruce at station	
076-GSB-22	403.02	491670.67	5449572.00	219568	MC	6/13/2022	Bark		
077-GSB-22	399.97	491718.48	5449538.36	219569	MC	6/14/2022	Bark		
078-GSB-22	398.71	491742.46	5449498.63	219570	MC	6/14/2022	Bark		
078-GSB-22-D	398.71	491742.46	5449498.63	219571	MC	6/14/2022	DUPLICATE		
079-GSB-22	407.15	491779.01	5449525.03	219572	MC	6/14/2022	Bark		
080-GSB-22	406.34	491754.43	5449560.65	219573	MC	6/14/2022	Bark		
081-GSB-22	409.02	491723.54	5449601.50	219574	MC	6/14/2022	Bark		
082-GSB-22	411.48	491684.19	5449647.13	219575	MC	6/14/2022	Bark		
083-GSB-22	426.04	491653.42	5449679.19	219576	MC	6/14/2022	Bark		
084-GSB-22	419.20	491615.66	5449709.15	219577	MC	6/14/2022	Bark		
085-GSB-22	424.79	491583.81	5449750.23	219578	MC	6/14/2022	Bark		
086-GSB-22	411.72	491550.87	5449786.30	219579	MC	6/14/2022	Bark		
BLANK				219580	MC	6/14/2022	BLANK		
087-GSB-22	409.87	491518.95	5449824.36	219581	MC	6/14/2022	Bark		
088-GSB-22	415.96	491493.52	5449864.76	219582	MC	6/14/2022	Bark		
089-GSB-22	421.25	491523.94	5449893.50	219583	MC	6/15/2022	Bark		
090-GSB-22	410.90	491569.05	5449859.75	219584	MC	6/15/2022	Bark		
091-GSB-22	406.87	491590.18	5449819.58	219585	MC	6/15/2022	Bark		
092-GSB-22	411.12	491619.50	5449792.75	219586	MC	6/15/2022	Bark		
093-GSB-22	421.23	491661.47	5449749.55	219587	MC	6/15/2022	Bark		
094-GSB-22	392.22	492013.51	5449722.24	219588	MC	6/15/2022	Bark		
095-GSB-22	396.55	491976.55	5449760.20	219589	MC	6/15/2022	Bark		
096-GSB-22	401.00	491948.57	5449802.60	219590	MC	6/15/2022	Bark	Duplicate sample taken 219591	
096-GSB-22-D				219591	MC	6/15/2022	DUPLICATE		
097-GSB-22	398.83	491908.42	5449841.68	219592	MC	6/15/2022	Bark		
098-GSB-22	395.25	491877.66	5449880.19	219593	MC	6/15/2022	Bark		
099-GSB-22	409.82	491844.56	5449910.03	219594	MC	6/15/2022	Bark		
100-GSB-22	414.16	491810.37	5449947.77	219595	MC	6/15/2022	Bark		
101-GSB-22	418.48	491778.68	5449993.06	219596	MC	6/15/2022	Bark		
102-GSB-22	420.46	491744.79	5450029.35	219597	MC	6/15/2022	Bark		
103-GSB-22	418.77	491711.33	5450058.42	219598	MC	6/15/2022	Bark		
104-GSB-22	413.26	491670.94	5450036.25	219599	MC	6/15/2022	Bark		
STANDARD				219600	MC	6/15/2022	STANDARD		
105-GSB-22	419.98	491707.51	5449992.28	219601	MC	6/15/2022	Bark		
106-GSB-22	414.60	491684.87	5449711.94	219602	MC	6/16/2022	Bark		
107-GSB-22	415.49	491728.08	5449671.30	219603	MC	6/16/2022	Bark		
108-GSB-22	409.02	491759.21	5449634.12	219604	MC	6/16/2022	Bark		
109-GSB-22	396.00	491787.20	5449599.18	219605	MC	6/16/2022	Bark		
110-GSB-22	401.05	491820.21	5449559.10	219606	MC	6/16/2022	Bark		
111-GSB-22	395.92	491867.92	5449599.39	219607	MC	6/16/2022	Bark		
112-GSB-22	398.52	491843.99	5449621.66	219608	MC	6/16/2022	Bark		
113-GSB-22	403.82	491792.39	5449660.97	219609	MC	6/16/2022	Bark		
113-GSB-22-D	403.82	491792.39	5449660.97	219610	MC	6/16/2022	DUPLICATE		
114-GSB-22	407.18	491771.10	5449699.47	219611	MC	6/16/2022	Bark		
115-GSB-22	416.16	491730.29	5449739.44	219612	MC	6/16/2022	Bark		
116-GSB-22	420.17	491693.78	5449777.08	219613	MC	6/16/2022	Bark		
117-GSB-22	417.98	491666.51	5449807.24	219614	MC	6/16/2022	Bark		
118-GSB-22	401.56	491630.74	5449849.98	219615	MC	6/16/2022	Bark		
119-GSB-22	406.49	491598.61	5449897.51	219616	MC	6/16/2022	Bark		
120-GSB-22	414.12	491565.29	5449927.68	219617	MC	6/16/2022	Bark		
121-GSB-22	400.17	491603.52	5449963.08	219618	MC	6/18/2022	Bark		
122-GSB-22	408.01	491637.40	5449922.91	219619	MC	6/18/2022	Bark		
BLANK				219620	MC	6/18/2022	BLANK		
123-GSB-22	417.62	491671.22	5449883.50	219621	MC	6/18/2022	Bark		
124-GSB-22	422.30	491692.96	5449861.34	219622	MC	6/18/2022	Bark		
125-GSB-22	419.71	491733.25	5449815.92	219623	MC	6/18/2022	Bark		
126-GSB-22	416.01	491763.79	5449775.19	219624	MC	6/18/2022	Bark		
127-GSB-22	412.37	491794.19	5449743.79	219625	MC	6/18/2022	Bark		
128-GSB-22	398.52	491832.82	5449702.72	219626	MC	6/18/2022	Bark		
129-GSB-22	399.73	491867.35	5449657.20	219627	MC	6/18/2022	Bark		
130-GSB-22	398.31	491898.99	5449626.02	219628	MC	6/18/2022	Bark		
131-GSB-22	400.41	491931.18	5449664.66	219629	MC	6/18/2022	Bark		
132-GSB-22	398.43	491912.21	5449697.93	219630	MC	6/18/2022	Bark	Duplicate sample taken	
132-GSB-22-D	398.43	491912.21	5449697.93	219631	MC	6/18/2022	DUPLICATE		
133-GSB-22	400.63	491873.29	5449734.34	219632	MC	6/18/2022	Bark		
134-GSB-22	404.78	491829.27	5449767.54	219633	MC	6/18/2022	Bark		
135-GSB-22	414.56	491797.85	5449806.71	219634	MC	6/18/2022	Bark		
136-GSB-22	420.51	491771.61	5449842.10	219635	MC	6/18/2022	Bark		
137-GSB-22	423.12	491744.28	5449884.17	219636	MC	6/18/2022	Bark		
138-GSB-22	421.30	491709.45	5449923.12	219637	MC	6/18/2022	Bark		

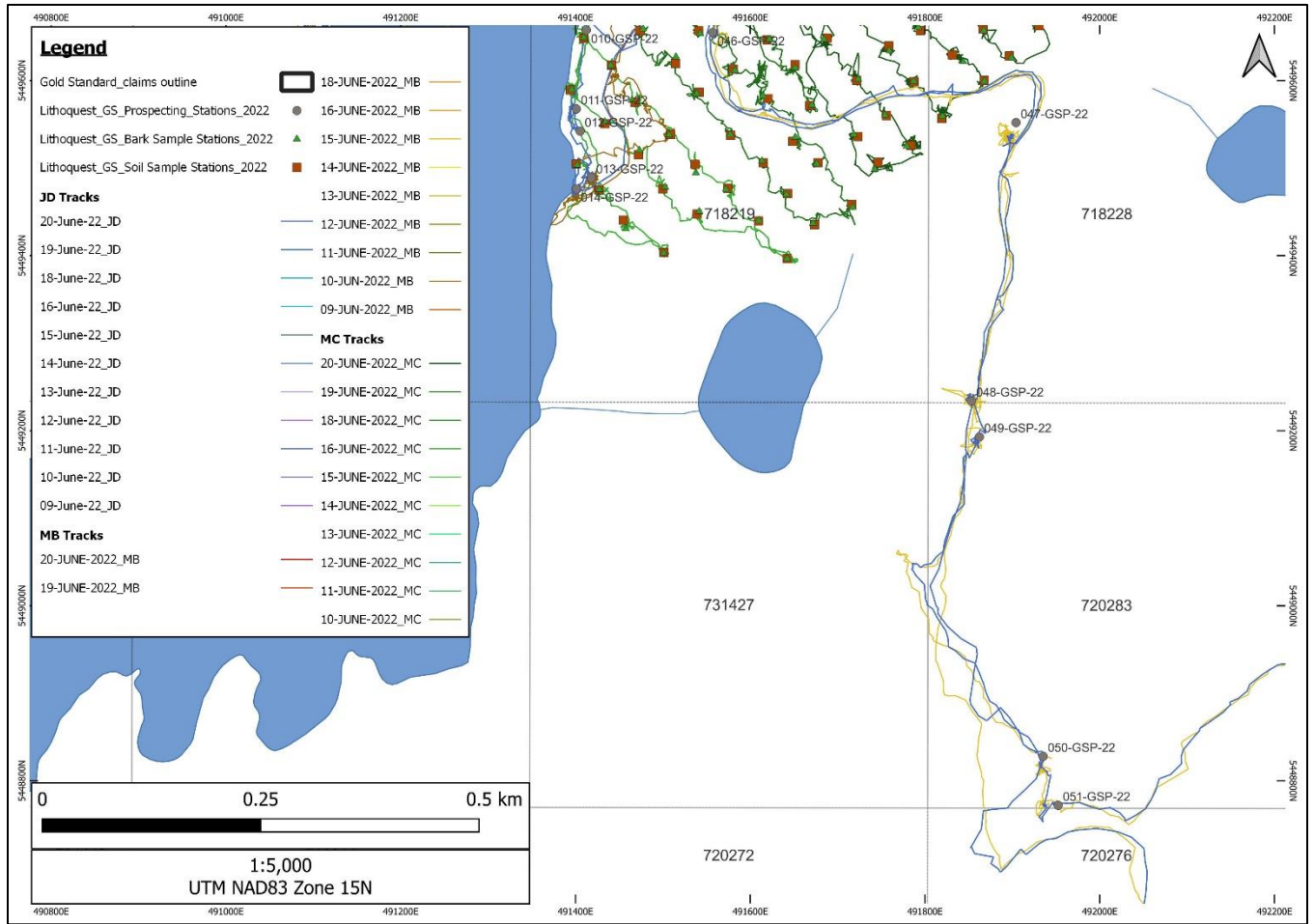
Station_ID	Elevation	Easting	Northing	Sample_ID1	Sampler	Date	Sample_Med	Notes	Editors Notes
139-GSB-22	413.68	491674.83	5449961.09	219638	MC	6/18/2022	Bark		
140-GSB-22	412.10	491643.84	5449989.71	219639	MC	6/18/2022	Bark		
BLANK				219640	MC	6/18/2022	BLANK		
141-GSB-22	418.56	491733.61	5449955.55	219641	MC	6/18/2022	Bark		
142-GSB-22	421.37	491767.35	5449915.48	219642	MC	6/18/2022	Bark		
143-GSB-22	416.40	491796.79	5449872.53	219643	MC	6/18/2022	Bark		
144-GSB-22	408.18	491835.72	5449845.46	219644	MC	6/18/2022	Bark		
145-GSB-22	404.15	491876.30	5449802.49	219645	MC	6/18/2022	Bark		
146-GSB-22	407.18	491905.10	5449766.64	219646	MC	6/18/2022	Bark		
147-GSB-22	406.79	491946.35	5449726.11	219647	MC	6/18/2022	Bark		
148-GSB-22	404.50	491976.83	5449696.50	219648	MC	6/18/2022	Bark		
149-GSB-22	394.10	492327.45	5450008.50	219649	MC	6/19/2022	Bark		
STANDARD				219650	MC	6/19/2022	STANDARD		
150-GSB-22	390.64	492311.36	5449964.50	219651	MC	6/19/2022	Bark		
151-GSB-22	388.97	492299.78	5449913.27	219652	MC	6/19/2022	Bark		
152-GSB-22	386.04	492280.92	5449868.27	219653	MC	6/19/2022	Bark		
153-GSB-22-NS		492257.98	5449818.27		MC	6/19/2022	Bark	No sample- wetland	
154-GSB-22	389.94	492310.19	5449802.19	219654	MC	6/19/2022	Bark		
155-GSB-22	400.48	492327.15	5449846.64	219655	MC	6/19/2022	Bark		
156-GSB-22	400.36	492340.55	5449900.09	219656	MC	6/19/2022	Bark		
157-GSB-22	402.08	492359.63	5449946.42	219657	MC	6/19/2022	Bark		
158-GSS-22	403.17	492377.68	5449982.75	219658	MC	6/19/2022	Bark		
159-GSB-22	397.79	492469.28	5449960.06	219659	MC	6/19/2022	Bark		
BLANK				219660	MC	6/19/2022	BLANK		
160-GSB-22	398.36	492449.33	5449909.16	219661	MC	6/19/2022	Bark		
161-GSB-22	403.62	492433.89	5449857.61	219662	MC	6/19/2022	Bark		
162-GSB-22	403.16	492407.38	5449809.51	219663	MC	6/19/2022	Bark		
163-GSB-22	404.10	492404.11	5449768.82	219664	MC	6/19/2022	Bark		
164-GSB-22	396.99	492351.90	5449780.12	219665	MC	6/19/2022	Bark		
165-GSB-22	394.25	492375.80	5449838.79	219666	MC	6/19/2022	Bark		
166-GSB-22	393.59	492388.84	5449888.91	219667	MC	6/19/2022	Bark		
167-GSB-22	397.51	492403.09	5449923.79	219668	MC	6/19/2022	Bark		
168-GSB-22	394.19	492431.06	5449973.01	219669	MC	6/19/2022	Bark		

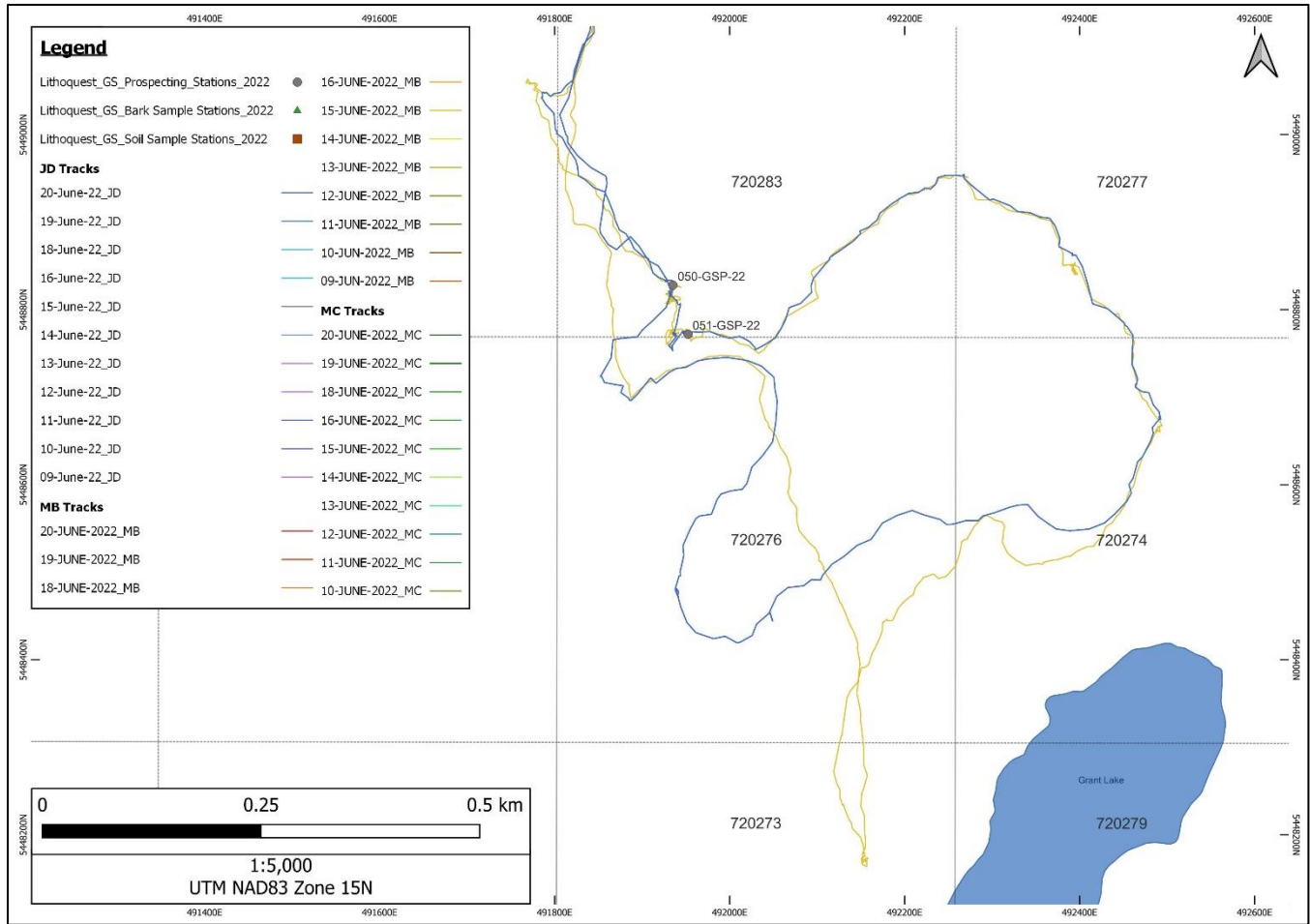
APPENDIX D: MAPS

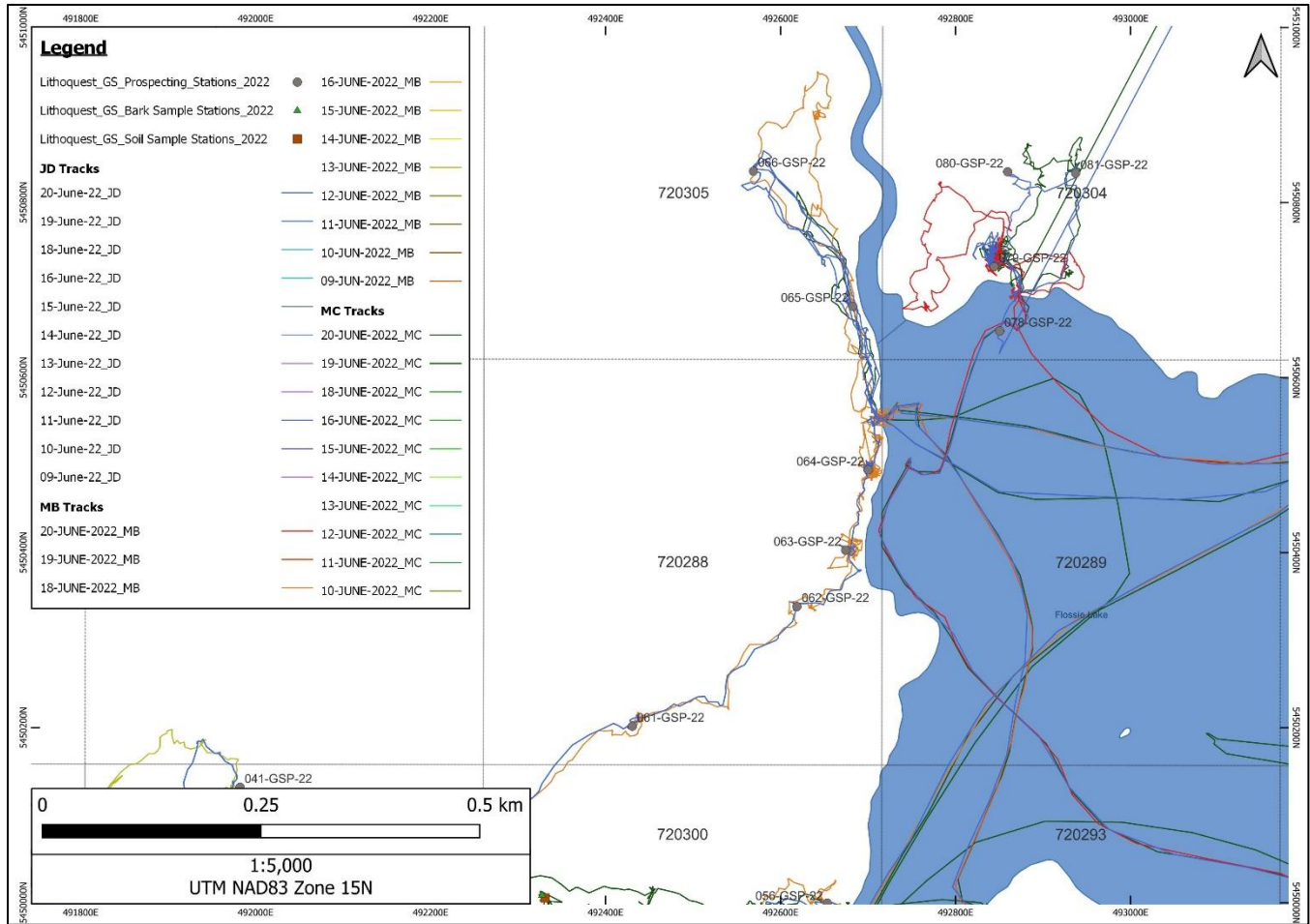


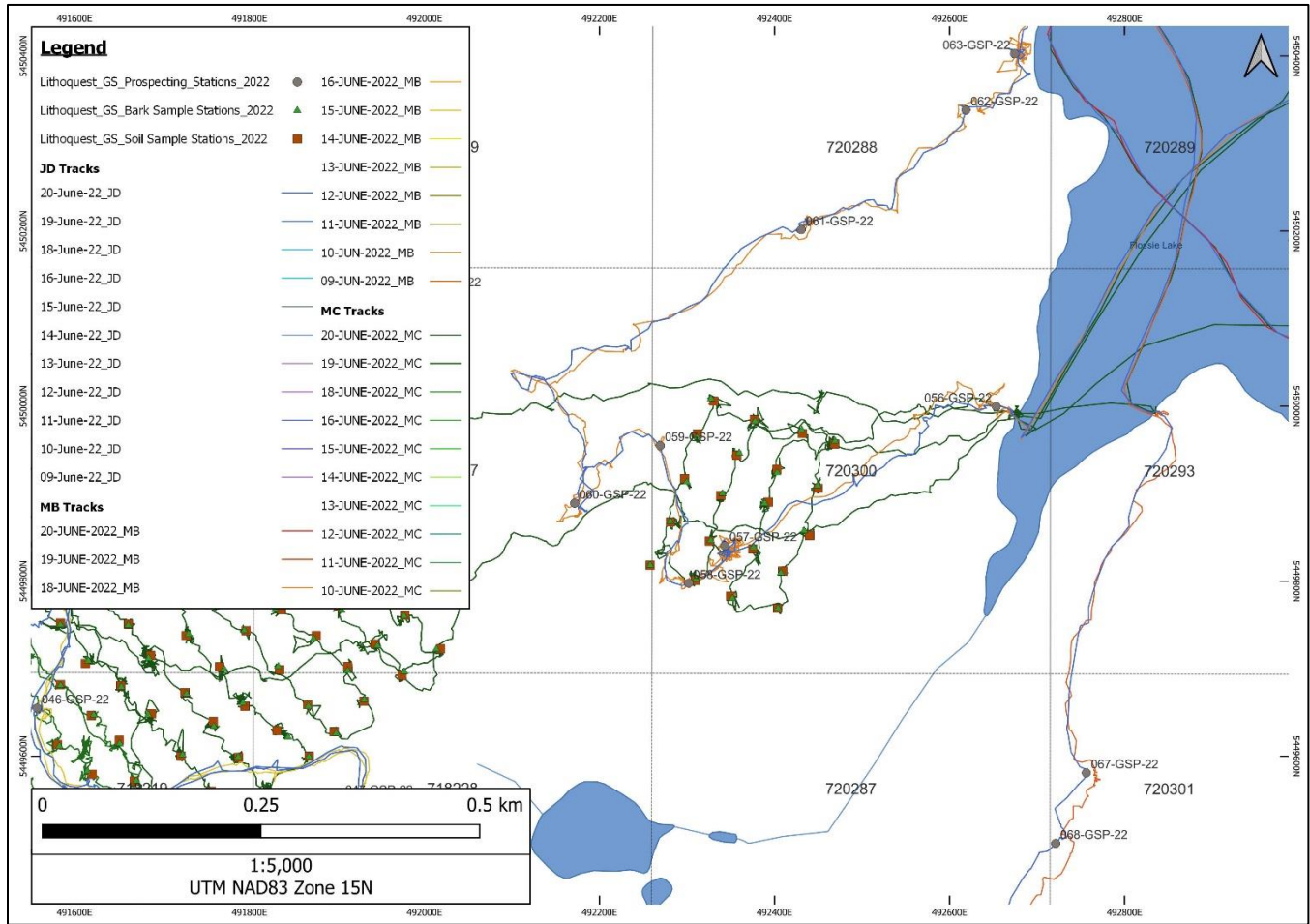


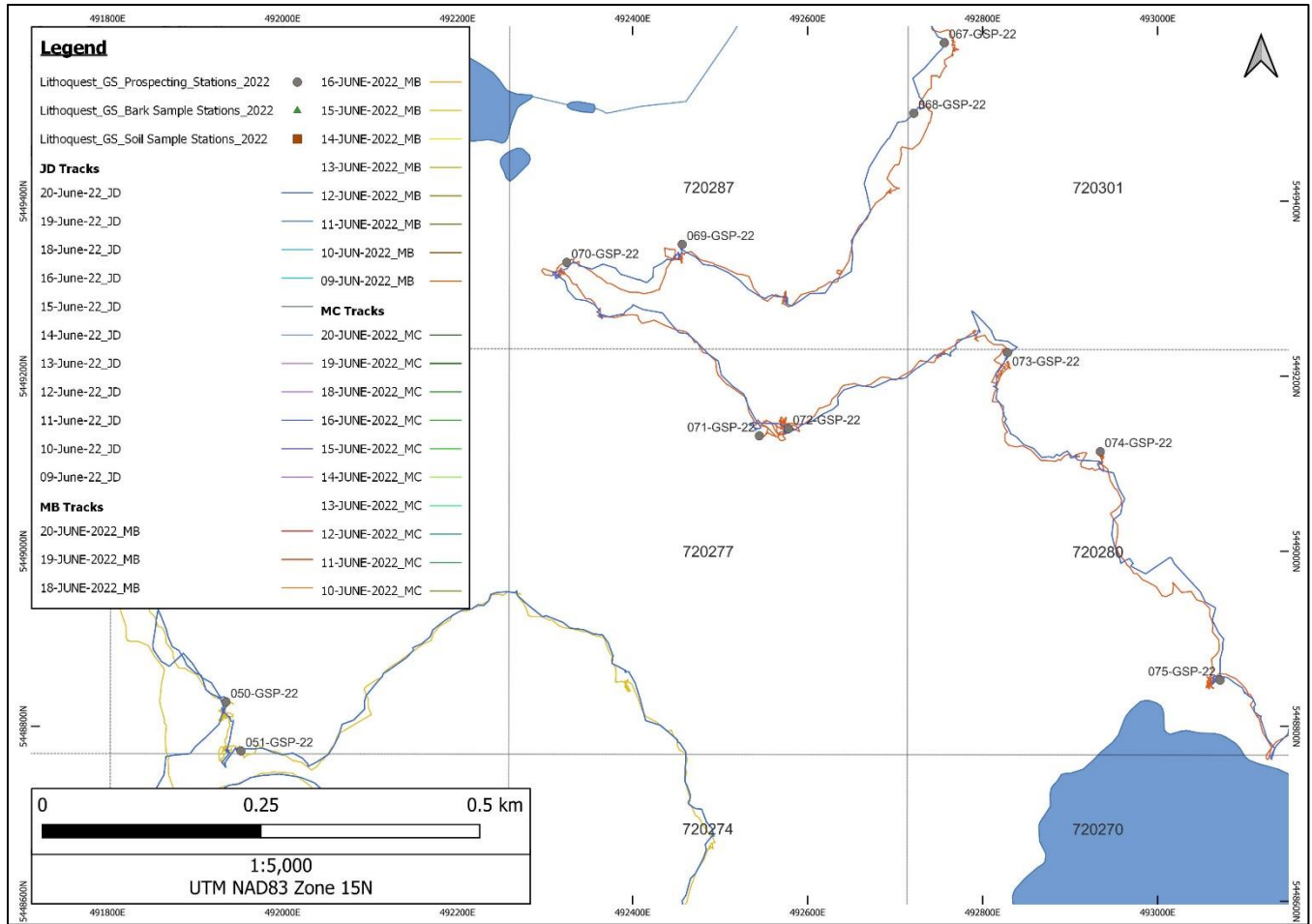


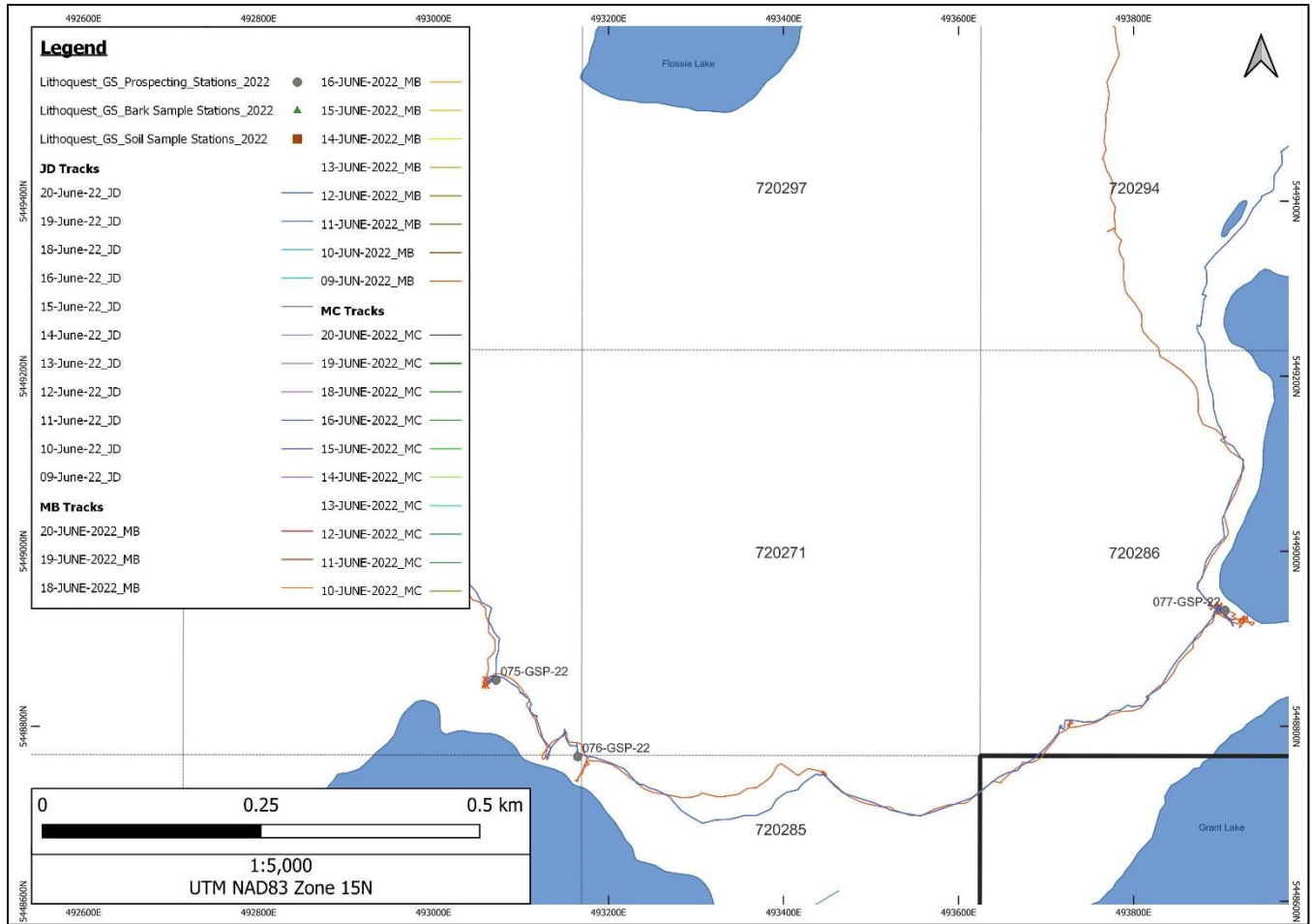


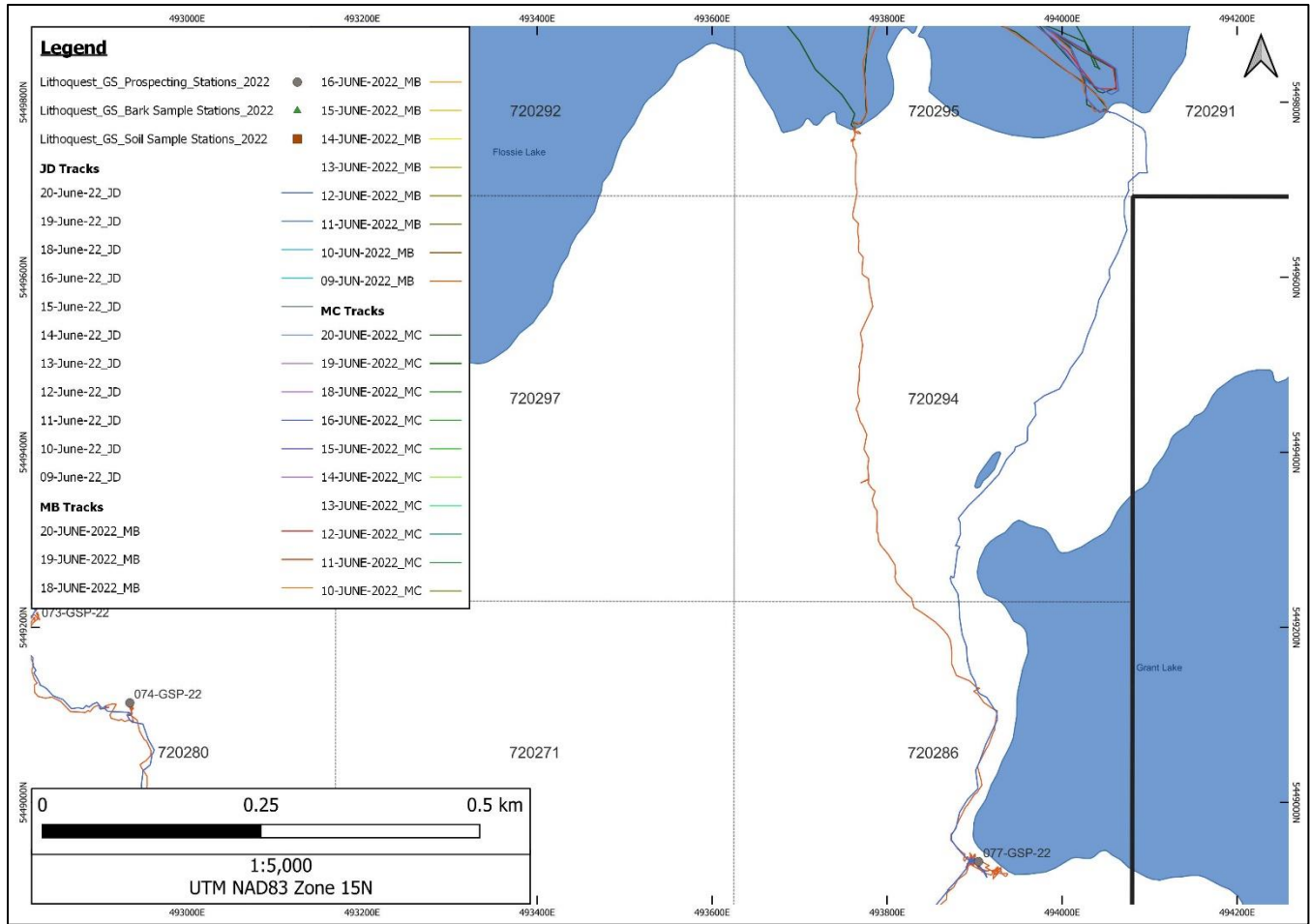


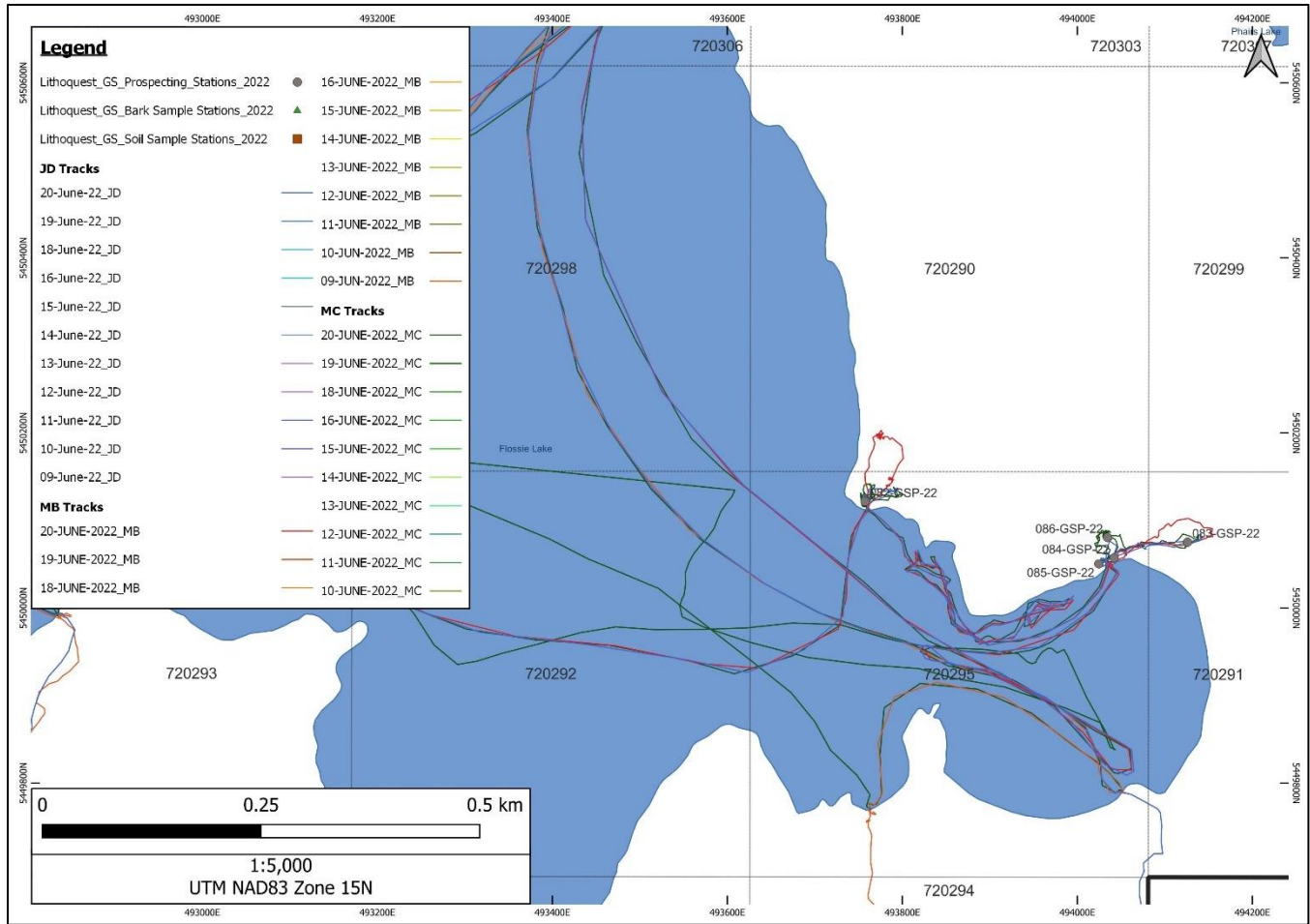


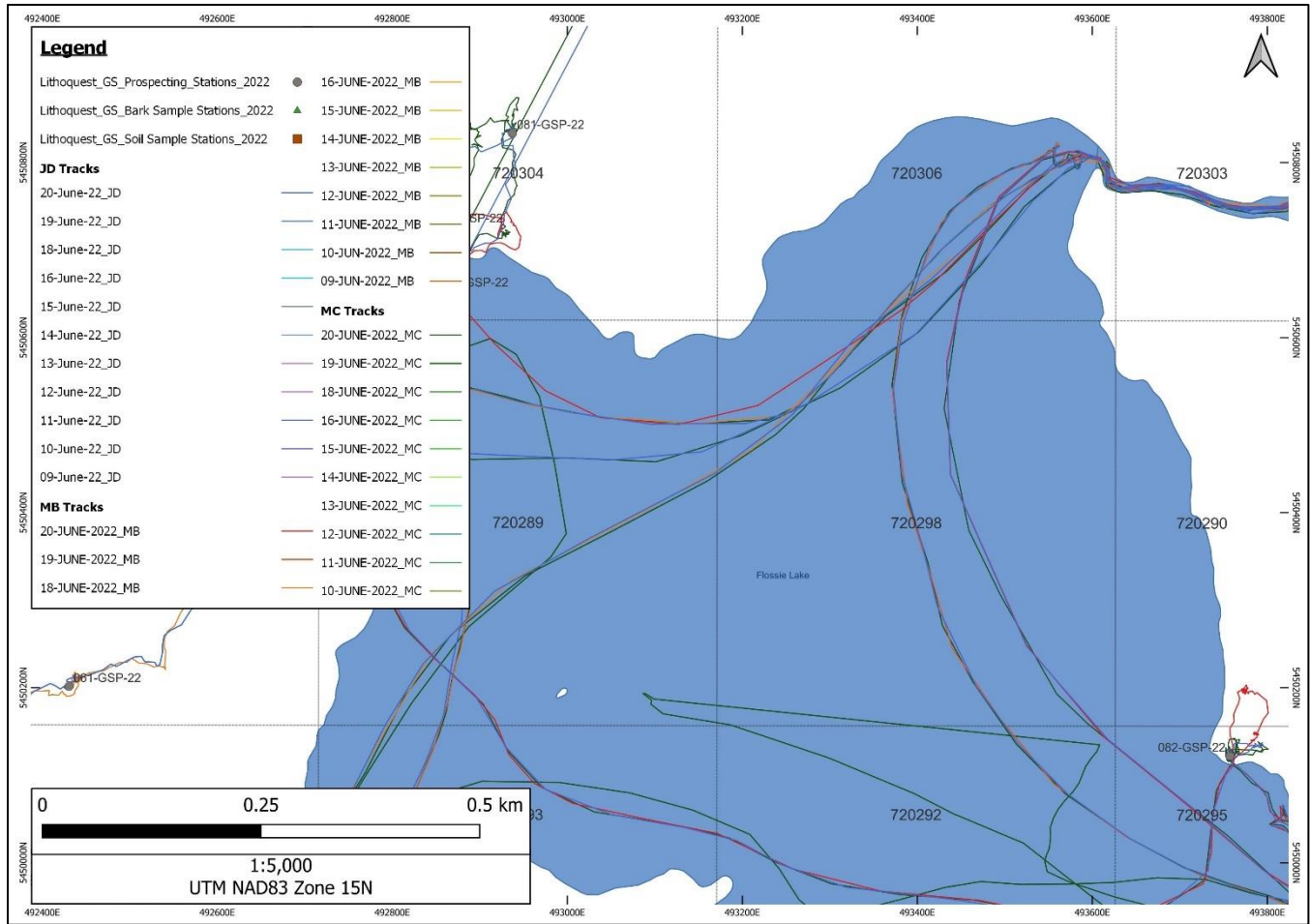












APPENDIX E: SAMPLE LOCATIONS AND AU RESULTS

Note: At the time of writing, all grab, soil, and bark assay results are still pending. An updated report will be filed once all assay results are returned. Preliminary pXRF measurements were conducted on the grab and soil samples, which are currently reported in this appendix.

pXRF Grab Sample Results:

Station ID	Sample Number	Easting	Northing	Elevation	Sample Type	Real Time 1	Real Time 2	Units	Au Concentration	Au Errors
001-GSP-22	220201	491165.59	5449343.11	390.43	In Situ	15	15	PPM	<LOD	7
001-GSP-22	220202	491165.59	5449343.11	390.43	In Situ	15	15	PPM	<LOD	6
001-GSP-22	220203	491165.59	5449343.11	390.43	In Situ	15	15	PPM	<LOD	7
007-GSP-22	220204	491418.33	5449769.93	406.09	In Situ	15	15	PPM	<LOD	8
011-GSP-22	220205	491401.11	5449567.63	395.04	In Situ	15	15	PPM	<LOD	10
012-GSP-22	220206	491405.45	5449542.17	395.67	In Situ	15	15	PPM	<LOD	9
013-GSP-22	220207	491418.33	5449488.9	414.95	In Situ	15	15	PPM	<LOD	10
014-GSP-22	220208	491401.12	5449476.36	415.17	In Situ	15	15	PPM	<LOD	7
014-GSP-22	220209	491401.12	5449476.36	415.17	In Situ	15	15	PPM	<LOD	11
DUPLICATE										
015-GSP-22	220211	491166.25	5449752.66	394.35	In Situ	15	15	PPM	<LOD	8
015-GSP-22	220212	491166.25	5449752.66	394.35	In Situ	15	15	PPM	<LOD	9
015-GSP-22	220213	491166.25	5449752.66	394.35	In Situ	15	15	PPM	<LOD	7
016-GSP-22	220214	491149.4	5449741.68	396.65	In Situ	15	15	PPM	<LOD	7
016-GSP-22	220215	491149.4	5449741.68	396.65	In Situ	15	15	PPM	<LOD	7
016-GSP-22	220216	491149.4	5449741.68	396.65	In Situ	15	15	PPM	<LOD	7
016-GSP-22	220217	491149.4	5449741.68	396.65	In Situ	15	15	PPM	<LOD	7
018-GSP-22	220218	491114.61	5449666.26	394.72	In Situ	15	15	PPM	<LOD	8
019-GSP-22	220219	491112.13	5449669.81	391.93	In Situ	15	15	PPM	<LOD	8
BLANK										
024-GSP-22	220221	491109.12	5449700.05	382.34	In Situ	15	15	PPM	<LOD	9
025-GSP-22	220222	491190.94	5449477.92	390.78	In Situ	15	15	PPM	<LOD	8
025-GSP-22	220223	491190.94	5449477.92	390.78	In Situ	15	15	PPM	<LOD	7
025-GSP-22	220224	491190.94	5449477.92	390.78	In Situ	15	15	PPM	<LOD	7
026-GSP-22	220225	491182.66	5449446.02	382.8	In Situ	15	15	PPM	<LOD	7
029-GSP-22	220226	491325.08	5449997	406.18	In Situ	15	15	PPM	<LOD	7
030-GSP-22	220227	491293.17	5449947	400.62	In Situ	15	15	PPM	<LOD	11
030-GSP-22	220228	491293.17	5449947	400.62	In Situ	15	15	PPM	<LOD	9
031-GSP-22	220229	491296.9	5449915	407.32	In Situ	15	15	PPM	<LOD	11
DUPLICATE										
033-GSP-22	220231	491256.98	5449911	400.65	In Situ	15	15	PPM	<LOD	8
034-GSP-22	220232	491259.9	5449913	401.05	In Situ	15	15	PPM	<LOD	8
034-GSP-22	220233	491259.9	5449913	401.05	In Situ	15	15	PPM	<LOD	6
036-GSP-22	220234	491256.16	5449994	406.23	In Situ	15	15	PPM	<LOD	7
043-GSP-22	220235	491463.16	5449737.85	404.16	In Situ	15	15	PPM	<LOD	6
043-GSP-22	220236	491463.16	5449737.85	404.16	In Situ	15	15	PPM	<LOD	7
043-GSP-22	220237	491463.16	5449737.85	404.16	In Situ	15	15	PPM	<LOD	8
043-GSP-22	220238	491463.16	5449737.85	404.16	In Situ	15	15	PPM	<LOD	6
043-GSP-22	220239	491463.16	5449737.85	404.16	In Situ	15	15	PPM	<LOD	7
BLANK										
043-GSP-22	220241	491463.16	5449737.85	404.16	In Situ	15	15	PPM	<LOD	7
043-GSP-22	220242	491463.16	5449737.85	404.16	In Situ	15	15	PPM	<LOD	7
043-GSP-22	220243	491463.16	5449737.85	404.16	In Situ	15	15	PPM	<LOD	7
044-GSP-22	220244	491458.79	5449785.55	404.97	In Situ	15	15	PPM	<LOD	7
045-GSP-22	220245	491496.67	5449783.49	405.8	In Situ	15	15	PPM	<LOD	7
047-GSP-22	220246	491904.28	5449552	399.39	In Situ	15	15	PPM	<LOD	8
048-GSP-22	220247	491853.39	5449234	411.69	In Situ	15	15	PPM	<LOD	8
049-GSP-22	220248	491862.37	5449193	407.87	In Situ	15	15	PPM	<LOD	7
049-GSP-22	220249	491862.37	5449193	407.87	In Situ	15	15	PPM	<LOD	8
STANDARD - OREAS 46										
053-GSP-22	220001	491141.08	5449323.03	338.88	In Situ	15	15	PPM	<LOD	9
053-GSP-22	220002	491141.08	5449323.03	338.88	In Situ	15	15	PPM	<LOD	7
053-GSP-22	220003	491141.08	5449323.03	338.88	In Situ	15	15	PPM	86	7
053-GSP-22	220004	491141.08	5449323.03	338.88	In Situ	15	15	PPM	<LOD	7
053-GSP-22	220005	491141.08	5449323.03	338.88	In Situ	15	15	PPM	<LOD	7
053-GSP-22	220006	491141.08	5449323.03	338.88	In Situ	15	15	PPM	<LOD	7
053-GSP-22	220007	491141.08	5449323.03	338.88	In Situ	15	15	PPM	<LOD	7
053-GSP-22	220008	491141.08	5449323.03	338.88	In Situ	15	15	PPM	<LOD	6
053-GSP-22	220009	491141.08	5449323.03	338.88	In Situ	15	15	PPM	46	8
BLANK										
053-GSP-22	220011	491141.08	5449323.03	338.88	In Situ	15	15	PPM	<LOD	8
054-GSP-22	220012	491562.93	5449859.98	407.3	In Situ	15	15	PPM	<LOD	8
057-GSP-22	220013	492343.17	5449840.61	400.81	In Situ	15	15	PPM	<LOD	7
057-GSP-22	220014	492343.17	5449840.61	400.81	In Situ	15	15	PPM	<LOD	8
063-GSP-22	220015	492674.42	5450402.68	386.07	In Situ	15	15	PPM	<LOD	7
064-GSP-22	220016	492700.4	5450494.47	378.61	In Situ	15	15	PPM	<LOD	7
072-GSP-22	220017	492578.1	5449140.14	394.04	In Situ	15	15	PPM	<LOD	7
077-GSP-22	220018	493904.52	5448932.52	386.44	In Situ	15	15	PPM	<LOD	8
078-GSP-22	220019	492850.44	5450653.14	370.32	In Situ	15	15	PPM	<LOD	7
DUPLICATE										
079-GSP-22	220021	492844.19	5450726.63	375.61	In Situ	15	15	PPM	<LOD	7
079-GSP-22	220022	492844.19	5450726.63	375.61	In Situ	15	15	PPM	7	2
079-GSP-22	220023	492844.19	5450726.63	375.61	In Situ	15	15	PPM	<LOD	7
082-GSP-22	220024	493757.45	5450121.86	365.75	In Situ	15	15	PPM	<LOD	8
085-GSP-22	220025	494024.64	5450050.54	381.38	In Situ	15	15	PPM	<LOD	7
086-GSP-22	220026	494034.43	5450080.65	385.36	In Situ	15	15	PPM	<LOD	12

Station ID	Sample Number	Mg Concentration	Mg Error1s	Al Concentration	Al Error1s	Si Concentration	Si Error1s	P Concentration	P Error1s	S Concentration	S Error1s
001-GSP-22	220201	7101	1491	62934	576	151996	637	440	33	<LOD	286
001-GSP-22	220202	<LOD	3104	4531	208	490498	951	<LOD	68	<LOD	131
001-GSP-22	220203	18804	1757	71576	655	181946	792	725	37	<LOD	342
007-GSP-22	220204	7156	1551	50495	540	277696	1014	254	31	1030	46
011-GSP-22	220205	<LOD	4044	8530	320	76894	380	<LOD	194	<LOD	164
012-GSP-22	220206	<LOD	5787	6018	272	288818	911	<LOD	182	<LOD	235
013-GSP-22	220207	14043	3154	52707	838	124079	909	1039	52	2134	71
014-GSP-22	220208	6082	1262	45324	456	157853	578	110	33	<LOD	170
014-GSP-22	220209	<LOD	6980	16075	439	102029	571	293	45	<LOD	302
DUPLICATE 220210											
015-GSP-22	220211	<LOD	5390	89403	657	180453	652	781	36	<LOD	260
015-GSP-22	220212	<LOD	6366	2100	262	407220	1183	<LOD	149	<LOD	283
015-GSP-22	220213	6993	1280	100870	669	239246	809	491	29	364	36
016-GSP-22	220214	<LOD	3981	5061	225	438049	997	110	23	<LOD	173
016-GSP-22	220215	<LOD	4568	5995	240	448394	1024	149	25	<LOD	174
016-GSP-22	220216	9955	1320	113438	712	226838	792	581	28	<LOD	263
016-GSP-22	220217	<LOD	8473	70372	646	156891	670	2353	42	13979	88
018-GSP-22	220218	11455	1713	19236	393	305764	1167	<LOD	186	<LOD	351
019-GSP-22	220219	14676	1744	63524	625	230293	965	696	38	1407	49
BLANK 220220											
024-GSP-22	220221	<LOD	7867	8038	331	357222	1160	237	36	<LOD	365
025-GSP-22	220222	<LOD	4835	10115	283	385855	1017	<LOD	127	<LOD	224
025-GSP-22	220223	<LOD	4721	6039	252	408754	1034	<LOD	110	<LOD	216
025-GSP-22	220224	7626	1356	50949	513	151704	624	549	27	<LOD	397
026-GSP-22	220225	<LOD	4064	10553	257	383548	934	113	22	<LOD	191
029-GSP-22	220226	12137	1293	46444	464	239622	822	1954	39	<LOD	284
030-GSP-22	220227	<LOD	5626	4631	296	132739	607	<LOD	231	<LOD	238
030-GSP-22	220228	12807	1896	34641	512	149976	740	377	43	<LOD	279
031-GSP-22	220229	<LOD	7397	39363	566	148053	716	619	45	<LOD	377
DUPLICATE 220230											
033-GSP-22	220231	<LOD	6357	9458	300	178714	689	345	36	700	36
034-GSP-22	220232	8911	1401	55050	537	229344	842	528	36	170	38
034-GSP-22	220233	13387	1414	94426	681	207212	795	411	27	752	36
036-GSP-22	220234	<LOD	8869	52084	557	141929	634	1522	36	317	35
043-GSP-22	220235	59323	2011	80242	703	168687	769	2818	50	279	42
043-GSP-22	220236	28055	2377	50499	670	92408	600	5194	72	27559	173
043-GSP-22	220237	15702	1762	44331	537	140332	666	2027	48	28380	148
043-GSP-22	220238	16752	2108	24286	485	113931	689	1993	44	20049	134
043-GSP-22	220239	35275	2017	58321	640	149947	740	2584	53	4861	63
BLANK 220240											
043-GSP-22	220241	33934	1749	65251	613	185170	793	1826	43	<LOD	346
043-GSP-22	220242	40932	1614	64671	561	203088	771	4566	56	<LOD	293
043-GSP-22	220243	44413	2007	62083	637	174247	817	1505	43	5815	65
044-GSP-22	220244	22363	1607	41439	490	195945	789	978	40	<LOD	271
045-GSP-22	220245	28488	1968	52872	608	137120	710	1149	41	849	45
047-GSP-22	220246	<LOD	4740	6382	253	383194	1014	214	29	<LOD	232
048-GSP-22	220247	9289	2143	17759	437	119807	716	<LOD	296	<LOD	360
049-GSP-22	220248	<LOD	4090	49608	461	207163	663	415	32	<LOD	211
049-GSP-22	220249	9710	1695	47904	555	188239	849	1051	42	1112	46
STANDARD - OREAS 46 220250											
053-GSP-22	220001	9777	1686	79019	701	196958	852	974	39	11367	87
053-GSP-22	220002	15588	1772	37642	516	106205	570	792	36	1519	42
053-GSP-22	220003	8867	2369	28713	558	130524	765	308	36	87035	450
053-GSP-22	220004	<LOD	4399	14336	290	374090	992	216	26	13148	81
053-GSP-22	220005	<LOD	4588	7525	249	382979	981	83	24	12190	78
053-GSP-22	220006	<LOD	4700	5906	241	378236	1011	<LOD	117	15807	90
053-GSP-22	220007	3585	948	8671	238	415223	1020	365	25	2238	42
053-GSP-22	220008	6589	1332	15592	323	268947	987	108	24	39560	174
053-GSP-22	220009	<LOD	10607	13651	541	65730	459	<LOD	338	176876	649
BLANK 220010											
053-GSP-22	220011	<LOD	4938	1238	222	432103	1110	<LOD	115	630	46
054-GSP-22	220012	<LOD	6995	48707	517	224202	800	373	34	20009	106
057-GSP-22	220013	<LOD	7159	6493	256	268472	924	482	27	<LOD	343
057-GSP-22	220014	6829	1715	69092	676	197327	890	2023	49	<LOD	390
063-GSP-22	220015	66111	2125	63881	644	139067	698	301	30	113	37
064-GSP-22	220016	<LOD	7415	70050	577	230099	788	2262	43	11645	80
072-GSP-22	220017	5676	1296	84212	639	175204	686	2279	40	821	36
077-GSP-22	220018	7184	1459	11615	312	348726	1186	138	28	<LOD	292
078-GSP-22	220019	11162	1182	22077	330	263756	835	<LOD	153	<LOD	192
DUPLICATE 220020											
079-GSP-22	220021	22466	1937	36840	513	67163	435	1110	36	3155	48
079-GSP-22	220022	5310	1733	10410	337	68068	394	<LOD	229	<LOD	195
079-GSP-22	220023	14033	1333	21496	346	284065	957	308	26	1156	38
082-GSP-22	220024	<LOD	8100	98667	696	230005	791	451	30	<LOD	319
085-GSP-22	220025	<LOD	6309	49504	520	176247	707	106	29	<LOD	328
086-GSP-22	220026	<LOD	4277	5864	315	24955	211	628	43	<LOD	181

Station ID	Sample Number	K Concentration	K Error1s	Ca Concentration	Ca Error1s	Ti Concentration	Ti Error1s	V Concentration	V Error1s	Cr Concentration	Cr Error1s
001-GSP-22	220201	11529	62	71984	256	4264	129	170	36	74	16
001-GSP-22	220202	<LOD	185	1311	21	<LOD	184	<LOD	99	<LOD	53
001-GSP-22	220203	10641	66	46255	186	5116	140	146	38	167	19
007-GSP-22	220204	7352	56	15719	73	1624	120	<LOD	149	<LOD	74
011-GSP-22	220205	1335	26	321120	975	1274	139	<LOD	176	86	21
012-GSP-22	220206	<LOD	329	82801	252	<LOD	268	<LOD	127	<LOD	71
013-GSP-22	220207	17100	134	25771	175	17769	279	232	69	487	32
014-GSP-22	220208	11554	55	145763	434	1796	122	<LOD	154	119	17
014-GSP-22	220209	4243	46	157421	650	1311	153	<LOD	193	76	22
DUPLICATE 220210											
015-GSP-22	220211	38199	137	61852	198	6474	167	<LOD	203	293	22
015-GSP-22	220212	<LOD	374	4360	38	<LOD	329	<LOD	133	<LOD	71
015-GSP-22	220213	40054	144	13102	63	5070	139	213	39	71	17
016-GSP-22	220214	391	27	1853	23	544	102	<LOD	112	<LOD	57
016-GSP-22	220215	1244	31	512	19	968	108	<LOD	116	<LOD	59
016-GSP-22	220216	38977	143	1608	33	5624	141	<LOD	182	65	16
016-GSP-22	220217	33274	139	328	30	3630	120	98	32	<LOD	83
018-GSP-22	220218	1961	41	8724	53	<LOD	432	<LOD	140	<LOD	78
019-GSP-22	220219	1499	38	28107	123	3290	131	<LOD	174	<LOD	84
BLANK 220220											
024-GSP-22	220221	1357	45	899	29	427	122	<LOD	133	<LOD	72
025-GSP-22	220222	1621	35	18537	70	<LOD	243	<LOD	123	<LOD	64
025-GSP-22	220223	1383	33	3519	30	<LOD	235	<LOD	115	<LOD	61
025-GSP-22	220224	14898	72	21226	87	1848	102	<LOD	142	80	14
026-GSP-22	220225	2744	33	5244	32	344	92	<LOD	107	<LOD	57
029-GSP-22	220226	7062	47	28922	105	4443	120	<LOD	155	102	15
030-GSP-22	220227	92	30	186857	660	<LOD	247	<LOD	170	128	22
030-GSP-22	220228	2533	40	133335	545	1437	139	<LOD	185	<LOD	96
031-GSP-22	220229	10456	71	99881	395	4376	175	<LOD	224	130	23
DUPLICATE 220230											
033-GSP-22	220231	1191	30	85346	284	<LOD	332	<LOD	132	<LOD	68
034-GSP-22	220232	16298	79	71682	246	3076	134	206	40	122	19
034-GSP-22	220233	16704	80	4690	37	7113	135	150	36	194	18
036-GSP-22	220234	7045	50	7199	44	1388	103	<LOD	155	116	15
043-GSP-22	220235	7510	56	28530	125	14132	186	225	48	224	20
043-GSP-22	220236	2854	47	56256	285	28054	290	429	69	345	27
043-GSP-22	220237	5093	48	93395	367	9147	177	238	48	189	22
043-GSP-22	220238	8131	65	11079	71	5134	127	<LOD	170	222	19
043-GSP-22	220239	10707	72	71744	303	10247	184	175	48	219	22
BLANK 220240											
043-GSP-22	220241	8334	57	34816	143	6937	147	244	40	300	20
043-GSP-22	220242	4475	40	41947	152	7289	143	178	39	332	20
043-GSP-22	220243	2454	40	30920	139	6899	150	180	41	548	24
044-GSP-22	220244	7848	54	88855	318	4892	145	144	40	274	21
045-GSP-22	220245	3879	46	55362	246	6048	148	239	42	387	23
047-GSP-22	220246	1042	34	16561	65	<LOD	283	<LOD	129	95	17
048-GSP-22	220247	<LOD	512	111595	548	2043	138	526	45	<LOD	104
049-GSP-22	220248	16843	70	90828	257	583	111	135	35	69	16
049-GSP-22	220249	2072	39	56429	233	6419	159	198	44	<LOD	90
STANDARD - OREAS 46 220250											
053-GSP-22	220001	26663	127	27615	124	5238	154	<LOD	200	132	20
053-GSP-22	220002	10767	67	66076	286	3574	126	171	36	238	20
053-GSP-22	220003	4873	58	9493	68	510	118	<LOD	121	<LOD	89
053-GSP-22	220004	1818	34	12270	54	460	90	<LOD	117	<LOD	65
053-GSP-22	220005	385	29	4177	31	<LOD	276	<LOD	113	<LOD	60
053-GSP-22	220006	448	30	5955	37	<LOD	269	<LOD	112	<LOD	62
053-GSP-22	220007	1559	29	6764	36	<LOD	224	<LOD	104	<LOD	54
053-GSP-22	220008	1964	33	3958	31	536	84	<LOD	117	53	14
053-GSP-22	220009	1642	60	65134	251	512	161	<LOD	128	<LOD	92
BLANK 220010											
053-GSP-22	220011	<LOD	291	1314	25	<LOD	252	<LOD	114	<LOD	62
054-GSP-22	220012	18449	86	48189	168	1932	123	<LOD	165	<LOD	81
057-GSP-22	220013	1021	30	4145	31	318	89	<LOD	119	<LOD	70
057-GSP-22	220014	18414	101	36429	161	6266	165	<LOD	218	<LOD	93
063-GSP-22	220015	719	31	29358	134	2297	107	109	30	956	26
064-GSP-22	220016	610	31	3612	31	5286	138	<LOD	167	<LOD	70
072-GSP-22	220017	31794	126	7056	45	5261	133	133	37	138	17
077-GSP-22	220018	<LOD	386	3891	34	<LOD	380	<LOD	134	<LOD	71
078-GSP-22	220019	3858	35	68640	210	<LOD	263	<LOD	126	<LOD	68
DUPLICATE 220020											
079-GSP-22	220021	<LOD	716	49026	232	4319	118	207	33	158	17
079-GSP-22	220022	128	24	275443	1045	1411	148	<LOD	193	127	23
079-GSP-22	220023	814	28	9050	46	455	91	183	28	<LOD	69
082-GSP-22	220024	28706	114	2807	36	5814	162	<LOD	190	132	19
085-GSP-22	220025	5962	46	45639	168	1868	112	<LOD	162	<LOD	76
086-GSP-22	220026	815	25	360413	1230	<LOD	156	<LOD	195	130	24

Station ID	Sample Number	Mn Concentration	Mn Error1s	Fe Concentration	Fe Error1s	Co Concentration	Co Error1s	Ni Concentration	Ni Error1s	Cu Concentration	Cu Error1s
001-GSP-22	220201	443	18	39337	165	<LOD	136	35	4	142	5
001-GSP-22	220202	<LOD	374	897	16	<LOD	25	<LOD	11	<LOD	11
001-GSP-22	220203	795	23	69633	288	<LOD	186	166	7	72	5
007-GSP-22	220204	569	20	26302	121	<LOD	117	31	4	<LOD	15
011-GSP-22	220205	1722	36	10065	72	<LOD	89	36	5	<LOD	21
012-GSP-22	220206	261	17	1306	22	<LOD	34	<LOD	14	<LOD	15
013-GSP-22	220207	680	31	76595	496	<LOD	251	90	8	31	7
014-GSP-22	220208	1063	24	24334	106	<LOD	106	14	3	21	3
014-GSP-22	220209	1396	36	28113	161	<LOD	152	<LOD	21	17	5
DUPLICATE	220210										
015-GSP-22	220211	591	22	16455	84	<LOD	93	18	3	<LOD	15
015-GSP-22	220212	152	16	590	17	<LOD	29	<LOD	15	10	3
015-GSP-22	220213	390	18	42690	160	130	28	19	3	<LOD	14
016-GSP-22	220214	160	13	4317	34	<LOD	43	<LOD	12	58	3
016-GSP-22	220215	151	13	1982	24	<LOD	33	8	3	48	3
016-GSP-22	220216	493	20	50044	184	95	30	46	4	<LOD	13
016-GSP-22	220217	137	16	95779	358	<LOD	197	<LOD	14	84	5
018-GSP-22	220218	346	17	27457	132	<LOD	125	32	4	33	4
019-GSP-22	220219	670	23	48519	213	<LOD	166	27	4	15	4
BLANK	220220										
024-GSP-22	220221	273	18	1537	26	<LOD	37	<LOD	15	<LOD	16
025-GSP-22	220222	122	14	2571	28	<LOD	38	<LOD	13	<LOD	14
025-GSP-22	220223	78	13	1851	24	<LOD	33	<LOD	12	<LOD	13
025-GSP-22	220224	806	20	41588	166	<LOD	130	48	4	97	4
026-GSP-22	220225	476	17	9678	51	<LOD	59	<LOD	12	12	3
029-GSP-22	220226	273	15	40012	152	<LOD	130	57	4	350	7
030-GSP-22	220227	1609	36	4300	47	<LOD	64	16	4	69	5
030-GSP-22	220228	1749	36	50776	248	<LOD	180	29	5	176	7
031-GSP-22	220229	636	27	25033	139	117	28	21	4	<LOD	20
DUPLICATE	220230										
033-GSP-22	220231	196	15	5743	45	<LOD	57	9	3	<LOD	15
034-GSP-22	220232	1224	27	42633	174	<LOD	149	37	4	13	4
034-GSP-22	220233	284	17	75861	279	<LOD	178	148	6	<LOD	13
036-GSP-22	220234	7398	57	48226	198	<LOD	147	30	4	47	4
043-GSP-22	220235	1495	30	107901	438	<LOD	208	274	9	76	6
043-GSP-22	220236	1717	37	134852	685	<LOD	243	127	9	64	7
043-GSP-22	220237	1187	29	78030	335	<LOD	201	151	7	28	5
043-GSP-22	220238	1842	33	182082	916	<LOD	242	115	9	37	7
043-GSP-22	220239	1591	33	109473	476	<LOD	226	318	10	30	6
BLANK	220240										
043-GSP-22	220241	1603	29	86101	344	<LOD	195	400	10	118	6
043-GSP-22	220242	953	23	65563	244	<LOD	166	246	7	63	5
043-GSP-22	220243	1170	28	88207	380	<LOD	206	196	8	94	6
044-GSP-22	220244	976	26	58928	240	116	36	136	6	<LOD	16
045-GSP-22	220245	1230	29	88060	402	<LOD	211	312	10	125	7
047-GSP-22	220246	327	17	1727	24	<LOD	34	<LOD	13	<LOD	13
048-GSP-22	220247	2167	41	118376	616	<LOD	263	37	7	40	7
049-GSP-22	220248	1005	23	23535	98	<LOD	102	<LOD	14	58	4
049-GSP-22	220249	1137	27	61414	273	<LOD	187	20	4	83	6
STANDARD - OREAS 46	220250										
053-GSP-22	220001	478	22	53620	234	<LOD	178	71	5	114	6
053-GSP-22	220002	637	22	84362	382	262	41	115	6	2237	21
053-GSP-22	220003	137	24	280240	1345	<LOD	259	581	20	11171	82
053-GSP-22	220004	314	15	26682	102	<LOD	112	68	4	14232	52
053-GSP-22	220005	47	12	6597	44	<LOD	54	13	3	1593	13
053-GSP-22	220006	<LOD	544	14748	70	<LOD	85	<LOD	15	7841	34
053-GSP-22	220007	187	13	5710	39	<LOD	46	<LOD	12	637	8
053-GSP-22	220008	105	14	65114	246	<LOD	167	<LOD	17	41283	156
053-GSP-22	220009	932	42	287420	1011	729	104	578	25	126003	477
BLANK	220010										
053-GSP-22	220011	41	12	584	15	<LOD	27	<LOD	14	213	5
054-GSP-22	220012	360	19	57368	215	<LOD	173	14	4	20	4
057-GSP-22	220013	1121	23	45553	173	<LOD	142	<LOD	13	48	4
057-GSP-22	220014	791	26	63674	283	<LOD	193	14	4	<LOD	17
063-GSP-22	220015	1370	28	92528	403	<LOD	202	1645	20	572	11
064-GSP-22	220016	152	14	23293	101	<LOD	102	10	3	11	3
072-GSP-22	220017	1124	23	45345	177	105	28	53	4	13	3
077-GSP-22	220018	311	17	25849	118	<LOD	117	16	3	<LOD	15
078-GSP-22	220019	721	20	37298	140	<LOD	124	47	4	<LOD	13
DUPLICATE	220020										
079-GSP-22	220021	1383	27	82146	397	<LOD	197	927	15	11496	67
079-GSP-22	220022	2333	43	24834	142	<LOD	137	123	7	876	13
079-GSP-22	220023	174	14	35668	140	<LOD	122	54	4	349	7
082-GSP-22	220024	124	16	11987	68	<LOD	79	19	3	<LOD	15
085-GSP-22	220025	3154	38	60128	233	<LOD	169	<LOD	14	<LOD	14
086-GSP-22	220026	3696	55	13322	94	<LOD	111	19	5	3690	29

Station ID	Sample Number	Zn Concentration	Zn Error1s	As Concentration	As Error1s	Se Concentration	Se Error1s	Rb Concentration	Rb Error1s	Sr Concentration	Sr Error1s
001-GSP-22	220201	61	3	<LOD	5	<LOD	3	26	1	204	2
001-GSP-22	220202	6	2	2	1	<LOD	3	<LOD	3	5	1
001-GSP-22	220203	138	5	7	1	<LOD	3	35	1	225	2
007-GSP-22	220204	164	4	<LOD	5	<LOD	3	31	1	201	2
011-GSP-22	220205	10	3	4	1	<LOD	5	5	1	302	3
012-GSP-22	220206	6	2	<LOD	5	<LOD	4	<LOD	4	25	1
013-GSP-22	220207	105	6	<LOD	7	<LOD	5	62	2	143	3
014-GSP-22	220208	78	3	7	1	<LOD	3	90	1	134	1
014-GSP-22	220209	139	5	<LOD	7	<LOD	5	18	1	216	3
DUPLICATE		220210									
015-GSP-22	220211	14	2	5	1	<LOD	3	151	2	227	2
015-GSP-22	220212	<LOD	11	<LOD	5	<LOD	4	<LOD	4	12	1
015-GSP-22	220213	60	3	3	1	<LOD	3	141	2	128	1
016-GSP-22	220214	9	2	3	1	2	1	<LOD	3	4	1
016-GSP-22	220215	6	2	<LOD	4	<LOD	3	3	1	8	1
016-GSP-22	220216	81	3	<LOD	4	<LOD	3	80	1	178	2
016-GSP-22	220217	29	3	30	2	6	1	143	2	119	2
018-GSP-22	220218	42	3	3	1	<LOD	3	3	1	61	1
019-GSP-22	220219	96	4	<LOD	6	<LOD	4	5	1	508	4
BLANK		220220									
024-GSP-22	220221	7	2	<LOD	5	<LOD	4	<LOD	4	7	1
025-GSP-22	220222	9	2	<LOD	4	<LOD	3	<LOD	3	25	1
025-GSP-22	220223	<LOD	10	<LOD	4	<LOD	3	3	1	7	1
025-GSP-22	220224	42	3	4	1	3	1	19	1	82	1
026-GSP-22	220225	13	2	<LOD	4	2	1	5	1	17	1
029-GSP-22	220226	53	3	<LOD	4	<LOD	3	10	1	104	1
030-GSP-22	220227	<LOD	15	<LOD	7	<LOD	5	3	1	224	2
030-GSP-22	220228	67	4	<LOD	6	<LOD	4	11	1	214	2
031-GSP-22	220229	14	3	5	1	<LOD	5	29	1	133	2
DUPLICATE		220230									
033-GSP-22	220231	8	2	<LOD	5	<LOD	4	7	1	23	1
034-GSP-22	220232	33	3	8	1	<LOD	4	70	1	420	3
034-GSP-22	220233	136	4	5	1	<LOD	3	54	1	360	3
036-GSP-22	220234	30	3	6	1	<LOD	3	37	1	52	1
043-GSP-22	220235	172	6	5	1	3	1	34	1	191	2
043-GSP-22	220236	191	7	<LOD	5	6	1	17	1	169	3
043-GSP-22	220237	66	4	5	1	<LOD	4	15	1	443	3
043-GSP-22	220238	76	6	8	3	<LOD	3	17	2	208	3
043-GSP-22	220239	188	6	7	2	<LOD	3	38	1	251	3
BLANK		220240									
043-GSP-22	220241	200	6	4	1	<LOD	3	58	1	397	3
043-GSP-22	220242	112	4	<LOD	4	<LOD	3	11	1	247	2
043-GSP-22	220243	130	5	5	1	<LOD	3	11	1	133	2
044-GSP-22	220244	79	4	<LOD	5	<LOD	3	49	1	289	2
045-GSP-22	220245	156	6	<LOD	5	<LOD	3	19	1	302	3
047-GSP-22	220246	6	2	<LOD	4	<LOD	3	2	1	8	1
048-GSP-22	220247	132	6	<LOD	6	<LOD	4	<LOD	4	202	3
049-GSP-22	220248	30	3	<LOD	5	<LOD	3	24	1	285	2
049-GSP-22	220249	116	5	<LOD	5	<LOD	4	8	1	304	3
STANDARD - OREAS 46		220250									
053-GSP-22	220001	77	4	10	1	<LOD	4	54	1	161	2
053-GSP-22	220002	190	6	8	1	<LOD	3	69	2	87	2
053-GSP-22	220003	53	12	254	9	16	3	<LOD	3	<LOD	2
053-GSP-22	220004	129	6	9	1	3	1	3	1	12	1
053-GSP-22	220005	57	3	4	1	<LOD	3	2	1	10	1
053-GSP-22	220006	17	4	10	1	<LOD	3	<LOD	3	5	1
053-GSP-22	220007	13	2	4	1	<LOD	3	<LOD	3	10	1
053-GSP-22	220008	228	11	<LOD	4	<LOD	3	3	1	4	1
053-GSP-22	220009	324	36	242	8	26	4	<LOD	3	132	4
BLANK		220010									
053-GSP-22	220011	9	2	5	1	<LOD	3	<LOD	3	8	1
054-GSP-22	220012	17	3	17	1	<LOD	4	61	1	125	2
057-GSP-22	220013	15	2	<LOD	4	2	1	3	1	11	1
057-GSP-22	220014	84	4	5	1	<LOD	4	42	1	217	2
063-GSP-22	220015	133	5	25	2	<LOD	3	3	1	91	2
064-GSP-22	220016	10	2	<LOD	5	<LOD	3	<LOD	3	132	1
072-GSP-22	220017	117	4	4	1	<LOD	3	123	2	100	1
077-GSP-22	220018	32	3	<LOD	5	<LOD	3	2	1	8	1
078-GSP-22	220019	40	3	<LOD	4	2	1	8	1	26	1
DUPLICATE		220020									
079-GSP-22	220021	872	13	21	2	<LOD	3	3	1	146	2
079-GSP-22	220022	73	5	8	1	<LOD	5	<LOD	4	358	3
079-GSP-22	220023	24	3	9	1	<LOD	3	<LOD	3	25	1
082-GSP-22	220024	24	3	6	1	<LOD	3	98	1	304	2
085-GSP-22	220025	63	4	<LOD	5	<LOD	3	32	1	145	2
086-GSP-22	220026	<LOD	25	<LOD	8	<LOD	5	<LOD	5	795	5

Station ID	Sample Number	Y Concentration	Y Error1s	Zr Concentration	Zr Error1s	Nb Concentration	Nb Error1s	Mo Concentration	Mo Error1s	Mo User Factor Slope	Ag Concentration	Ag Error1s
001-GSP-22	220201	15	1	139	2	<LOD	6	<LOD	8	1	<LOD	29
001-GSP-22	220202	<LOD	5	4	1	<LOD	6	<LOD	8	1	<LOD	28
001-GSP-22	220203	20	1	141	2	<LOD	6	<LOD	8	1	<LOD	27
007-GSP-22	220204	9	1	115	2	<LOD	7	<LOD	9	1	<LOD	32
011-GSP-22	220205	10	1	21	2	<LOD	8	<LOD	11	1	<LOD	38
012-GSP-22	220206	<LOD	6	5	1	<LOD	7	<LOD	10	1	<LOD	35
013-GSP-22	220207	51	2	335	4	15	2	<LOD	11	1	<LOD	36
014-GSP-22	220208	11	1	152	2	<LOD	6	5	2	1	<LOD	29
014-GSP-22	220209	22	2	34	2	<LOD	9	8	2	1	<LOD	42
DUPLICATE 220210												
015-GSP-22	220211	13	1	183	2	5	1	7	2	1	<LOD	32
015-GSP-22	220212	<LOD	6	<LOD	8	<LOD	8	<LOD	11	1	<LOD	36
015-GSP-22	220213	9	1	127	2	<LOD	6	6	2	1	<LOD	28
016-GSP-22	220214	<LOD	5	6	1	<LOD	6	<LOD	8	1	<LOD	29
016-GSP-22	220215	<LOD	5	9	1	<LOD	6	<LOD	9	1	<LOD	30
016-GSP-22	220216	9	1	174	2	<LOD	6	<LOD	8	1	<LOD	27
016-GSP-22	220217	5	1	184	2	6	1	6	2	1	<LOD	24
018-GSP-22	220218	<LOD	6	9	1	<LOD	7	<LOD	10	1	<LOD	33
019-GSP-22	220219	21	1	141	2	6	1	<LOD	9	1	<LOD	31
BLANK 220220												
024-GSP-22	220221	<LOD	6	5	1	<LOD	8	<LOD	11	1	<LOD	37
025-GSP-22	220222	<LOD	5	<LOD	7	<LOD	7	<LOD	9	1	<LOD	32
025-GSP-22	220223	<LOD	5	4	1	<LOD	6	6	1	1	<LOD	31
025-GSP-22	220224	7	1	23	1	<LOD	5	<LOD	7	1	<LOD	26
026-GSP-22	220225	<LOD	5	5	1	<LOD	6	<LOD	8	1	<LOD	28
029-GSP-22	220226	8	1	64	1	<LOD	6	6	2	1	<LOD	27
030-GSP-22	220227	18	1	<LOD	10	<LOD	9	7	2	1	<LOD	41
030-GSP-22	220228	10	1	11	2	<LOD	7	12	2	1	<LOD	35
031-GSP-22	220229	10	1	101	2	5	2	<LOD	11	1	<LOD	39
DUPLICATE 220230												
033-GSP-22	220231	<LOD	6	<LOD	7	<LOD	7	<LOD	10	1	<LOD	34
034-GSP-22	220232	11	1	57	2	<LOD	6	<LOD	9	1	<LOD	30
034-GSP-22	220233	16	1	103	2	<LOD	5	<LOD	7	1	<LOD	24
036-GSP-22	220234	18	1	62	2	<LOD	6	<LOD	8	1	<LOD	27
043-GSP-22	220235	34	2	310	3	17	2	<LOD	7	1	<LOD	23
043-GSP-22	220236	44	2	714	6	36	2	14	3	1	<LOD	24
043-GSP-22	220237	21	1	158	3	6	2	<LOD	8	1	<LOD	28
043-GSP-22	220238	11	2	89	3	<LOD	4	<LOD	5	1	<LOD	17
043-GSP-22	220239	24	2	183	3	11	2	<LOD	8	1	24	7
BLANK 220240												
043-GSP-22	220241	29	1	154	2	5	1	<LOD	7	1	<LOD	25
043-GSP-22	220242	26	1	141	2	5	1	<LOD	7	1	<LOD	25
043-GSP-22	220243	30	1	158	2	<LOD	6	<LOD	8	1	<LOD	26
044-GSP-22	220244	25	1	154	2	<LOD	6	<LOD	9	1	<LOD	29
045-GSP-22	220245	29	2	155	3	<LOD	6	<LOD	8	1	<LOD	27
047-GSP-22	220246	3	1	4	1	<LOD	7	6	2	1	<LOD	32
048-GSP-22	220247	<LOD	5	<LOD	7	<LOD	6	9	3	1	<LOD	28
049-GSP-22	220248	9	1	7	1	<LOD	6	<LOD	8	1	<LOD	30
049-GSP-22	220249	24	1	179	2	7	1	11	2	1	<LOD	30
STANDARD - OREAS 46 220250												
053-GSP-22	220001	18	1	155	2	6	1	<LOD	9	1	<LOD	32
053-GSP-22	220002	25	2	159	2	6	2	<LOD	8	1	<LOD	26
053-GSP-22	220003	<LOD	3	<LOD	3	<LOD	3	14	3	1	90	11
053-GSP-22	220004	<LOD	5	<LOD	6	<LOD	6	<LOD	8	1	<LOD	27
053-GSP-22	220005	<LOD	5	7	1	<LOD	6	<LOD	9	1	<LOD	30
053-GSP-22	220006	<LOD	5	5	1	<LOD	6	<LOD	9	1	<LOD	29
053-GSP-22	220007	<LOD	5	6	1	<LOD	6	<LOD	8	1	<LOD	28
053-GSP-22	220008	<LOD	4	<LOD	5	<LOD	5	<LOD	6	1	28	7
053-GSP-22	220009	12	3	<LOD	4	<LOD	3	<LOD	4	1	124	16
BLANK 220010												
053-GSP-22	220011	3	1	<LOD	7	<LOD	7	<LOD	10	1	<LOD	33
054-GSP-22	220012	10	1	93	2	<LOD	6	6	2	1	<LOD	29
057-GSP-22	220013	15	1	4	1	<LOD	6	6	2	1	<LOD	28
057-GSP-22	220014	45	2	316	3	16	2	<LOD	9	1	<LOD	30
063-GSP-22	220015	14	1	55	2	<LOD	5	<LOD	7	1	<LOD	24
064-GSP-22	220016	9	1	199	2	6	1	<LOD	9	1	<LOD	30
072-GSP-22	220017	19	1	179	2	4	1	<LOD	8	1	<LOD	26
077-GSP-22	220018	<LOD	5	7	1	<LOD	7	<LOD	9	1	<LOD	32
078-GSP-22	220019	<LOD	5	4	1	<LOD	6	<LOD	8	1	<LOD	28
DUPLICATE 220020												
079-GSP-22	220021	23	1	139	2	<LOD	5	<LOD	7	1	<LOD	24
079-GSP-22	220022	10	1	29	2	<LOD	8	<LOD	11	1	<LOD	39
079-GSP-22	220023	<LOD	5	5	1	<LOD	6	5	2	1	<LOD	28
082-GSP-22	220024	23	1	208	2	<LOD	7	<LOD	10	1	<LOD	32
085-GSP-22	220025	5	1	65	2	<LOD	6	<LOD	8	1	<LOD	27
086-GSP-22	220026	48	2	<LOD	13	<LOD	9	<LOD	12	1	<LOD	41

Station ID	Sample Number	Cd Concentration	Cd Error1s	Sn Concentration	Sn Error1s	Sb Concentration	Sb Error1s	Ba Concentration	Ba Error1s	W Concentration	W Error1s
001-GSP-22	220201	<LOD	31	31	8	<LOD	61	<LOD	2486	<LOD	27
001-GSP-22	220202	<LOD	30	<LOD	41	<LOD	58	<LOD	1768	<LOD	22
001-GSP-22	220203	<LOD	30	<LOD	41	<LOD	58	<LOD	2727	<LOD	27
007-GSP-22	220204	<LOD	34	<LOD	47	<LOD	67	<LOD	2483	<LOD	30
011-GSP-22	220205	30	7	43	9	<LOD	81	<LOD	3035	<LOD	36
012-GSP-22	220206	<LOD	38	<LOD	52	<LOD	74	<LOD	2302	<LOD	30
013-GSP-22	220207	<LOD	40	48	14	<LOD	76	1516	377	<LOD	39
014-GSP-22	220208	<LOD	32	<LOD	44	<LOD	62	<LOD	2591	<LOD	28
014-GSP-22	220209	<LOD	45	37	11	<LOD	89	<LOD	3436	<LOD	42
DUPLICATE		220210									
015-GSP-22	220211	<LOD	35	27	8	<LOD	67	1204	282	<LOD	30
015-GSP-22	220212	<LOD	39	<LOD	54	<LOD	77	<LOD	2425	<LOD	31
015-GSP-22	220213	<LOD	30	27	8	39	11	968	233	<LOD	26
016-GSP-22	220214	<LOD	32	<LOD	43	<LOD	61	<LOD	1976	<LOD	25
016-GSP-22	220215	<LOD	33	<LOD	45	<LOD	64	<LOD	1962	<LOD	25
016-GSP-22	220216	<LOD	29	25	8	<LOD	57	1309	239	<LOD	26
016-GSP-22	220217	<LOD	26	50	10	<LOD	51	<LOD	2585	<LOD	24
018-GSP-22	220218	<LOD	36	<LOD	49	<LOD	70	<LOD	2485	<LOD	30
019-GSP-22	220219	<LOD	34	37	9	<LOD	66	<LOD	2664	<LOD	30
BLANK		220220									
024-GSP-22	220221	<LOD	40	<LOD	55	<LOD	77	<LOD	2253	<LOD	31
025-GSP-22	220222	<LOD	35	<LOD	48	<LOD	68	<LOD	2137	<LOD	27
025-GSP-22	220223	<LOD	34	<LOD	46	<LOD	66	<LOD	2068	<LOD	26
025-GSP-22	220224	<LOD	29	<LOD	39	<LOD	56	<LOD	2298	<LOD	24
026-GSP-22	220225	<LOD	31	27	7	<LOD	59	<LOD	1841	<LOD	23
029-GSP-22	220226	<LOD	29	<LOD	40	<LOD	57	<LOD	2285	<LOD	24
030-GSP-22	220227	<LOD	45	43	10	<LOD	88	<LOD	3113	<LOD	39
030-GSP-22	220228	<LOD	38	39	10	51	15	<LOD	3035	<LOD	35
031-GSP-22	220229	<LOD	43	<LOD	59	<LOD	84	<LOD	3417	<LOD	38
DUPLICATE		220230									
033-GSP-22	220231	<LOD	37	<LOD	51	<LOD	72	<LOD	2318	<LOD	29
034-GSP-22	220232	<LOD	33	<LOD	45	<LOD	64	<LOD	2741	<LOD	29
034-GSP-22	220233	<LOD	26	27	8	<LOD	50	<LOD	2502	21	6
036-GSP-22	220234	<LOD	30	<LOD	41	<LOD	58	1305	203	<LOD	24
043-GSP-22	220235	<LOD	25	39	10	45	15	<LOD	3063	<LOD	25
043-GSP-22	220236	<LOD	26	40	13	<LOD	50	<LOD	3880	<LOD	28
043-GSP-22	220237	<LOD	30	35	10	<LOD	59	<LOD	2991	<LOD	29
043-GSP-22	220238	<LOD	19	38	12	<LOD	37	<LOD	2491	<LOD	21
043-GSP-22	220239	33	8	<LOD	37	<LOD	53	<LOD	3172	<LOD	27
BLANK		220240									
043-GSP-22	220241	<LOD	27	30	9	42	14	<LOD	2774	<LOD	26
043-GSP-22	220242	<LOD	28	<LOD	38	<LOD	54	<LOD	2595	<LOD	25
043-GSP-22	220243	24	8	51	10	<LOD	55	<LOD	2871	<LOD	28
044-GSP-22	220244	<LOD	31	<LOD	43	<LOD	61	<LOD	2747	<LOD	28
045-GSP-22	220245	<LOD	29	35	10	<LOD	57	<LOD	2934	<LOD	29
047-GSP-22	220246	<LOD	35	24	7	<LOD	67	<LOD	2294	<LOD	27
048-GSP-22	220247	<LOD	30	<LOD	41	<LOD	59	<LOD	2979	<LOD	31
049-GSP-22	220248	<LOD	32	29	8	<LOD	64	<LOD	2539	<LOD	26
049-GSP-22	220249	<LOD	33	37	10	<LOD	63	<LOD	3037	<LOD	31
STANDARD - OREAS 46		220250									
053-GSP-22	220001	<LOD	34	<LOD	47	<LOD	66	<LOD	2970	<LOD	31
053-GSP-22	220002	<LOD	28	31	10	<LOD	55	<LOD	2723	<LOD	28
053-GSP-22	220003	<LOD	16	52	15	<LOD	29	<LOD	2210	<LOD	28
053-GSP-22	220004	<LOD	29	<LOD	38	<LOD	53	<LOD	2036	<LOD	26
053-GSP-22	220005	<LOD	33	33	7	<LOD	64	<LOD	2014	<LOD	27
053-GSP-22	220006	<LOD	32	<LOD	43	<LOD	61	<LOD	2066	<LOD	27
053-GSP-22	220007	<LOD	31	<LOD	42	<LOD	59	<LOD	1859	<LOD	24
053-GSP-22	220008	<LOD	23	<LOD	30	<LOD	42	<LOD	1965	<LOD	23
053-GSP-22	220009	<LOD	15	<LOD	20	<LOD	29	<LOD	2298	<LOD	25
BLANK		220010									
053-GSP-22	220011	<LOD	36	32	8	38	11	<LOD	2031	<LOD	28
054-GSP-22	220012	<LOD	31	38	9	<LOD	59	697	229	<LOD	29
057-GSP-22	220013	<LOD	30	27	8	44	12	<LOD	2147	<LOD	25
057-GSP-22	220014	<LOD	33	50	10	<LOD	64	<LOD	3204	<LOD	31
063-GSP-22	220015	24	8	<LOD	36	<LOD	51	<LOD	2426	<LOD	25
064-GSP-22	220016	<LOD	32	38	8	43	12	<LOD	2440	<LOD	25
072-GSP-22	220017	<LOD	29	30	8	<LOD	56	824	222	<LOD	26
077-GSP-22	220018	<LOD	35	28	8	39	12	<LOD	2334	<LOD	29
078-GSP-22	220019	<LOD	31	25	8	<LOD	60	692	194	<LOD	25
DUPLICATE		220020									
079-GSP-22	220021	30	8	37	10	<LOD	51	<LOD	2524	<LOD	32
079-GSP-22	220022	23	8	<LOD	58	<LOD	82	<LOD	3215	<LOD	39
079-GSP-22	220023	<LOD	30	34	8	<LOD	59	<LOD	2065	<LOD	24
082-GSP-22	220024	<LOD	35	<LOD	47	<LOD	67	<LOD	2879	<LOD	29
085-GSP-22	220025	<LOD	30	35	9	<LOD	58	<LOD	2602	<LOD	27
086-GSP-22	220026	26	8	<LOD	62	<LOD	88	<LOD	3500	<LOD	42

Station ID	Sample Number	Hg Concentration	Hg Error1s	Pb Concentration	Pb Error1s	Bi Concentration	Bi Error1s	Th Concentration	Th Error1s	U Concentration	U Error1s	LE Concentration	LE Error1s	LE User Factor Slope
001-GSP-22	220201	<LOD	14	4	1	<LOD	34	10	3	<LOD	9	649063	1510	1
001-GSP-22	220202	<LOD	11	<LOD	5	22	5	<LOD	14	<LOD	8	502723	961	1
001-GSP-22	220203	<LOD	14	<LOD	6	<LOD	33	<LOD	15	<LOD	9	593391	1733	1
007-GSP-22	220204	<LOD	14	<LOD	6	<LOD	37	11	3	<LOD	10	611243	1543	1
011-GSP-22	220205	<LOD	19	<LOD	8	<LOD	46	<LOD	21	<LOD	13	578515	1316	1
012-GSP-22	220206	<LOD	15	<LOD	7	<LOD	39	<LOD	18	<LOD	10	620760	1129	1
013-GSP-22	220207	<LOD	20	10	3	<LOD	44	31	6	<LOD	13	664928	2814	1
014-GSP-22	220208	<LOD	14	<LOD	6	<LOD	34	<LOD	16	<LOD	10	605488	1347	1
014-GSP-22	220209	<LOD	21	<LOD	9	<LOD	47	15	4	<LOD	14	688537	1352	1
DUPLICATE														
015-GSP-22	220211	10	2	<LOD	7	<LOD	38	12	3	<LOD	11	603625	1223	1
015-GSP-22	220212	<LOD	15	<LOD	7	<LOD	40	17	3	<LOD	11	585540	1204	1
015-GSP-22	220213	<LOD	13	4	1	<LOD	32	<LOD	15	<LOD	9	548785	1426	1
016-GSP-22	220214	<LOD	12	<LOD	5	<LOD	32	<LOD	15	<LOD	9	549435	1023	1
016-GSP-22	220215	<LOD	13	<LOD	5	<LOD	33	<LOD	15	<LOD	9	540523	1047	1
016-GSP-22	220216	7	2	<LOD	6	<LOD	32	<LOD	14	<LOD	9	550373	1455	1
016-GSP-22	220217	8	3	9	2	<LOD	28	<LOD	12	<LOD	8	622477	1369	1
018-GSP-22	220218	<LOD	15	<LOD	6	<LOD	38	17	3	<LOD	10	624859	1640	1
019-GSP-22	220219	<LOD	15	8	2	<LOD	38	<LOD	17	<LOD	11	606455	1727	1
BLANK														
024-GSP-22	220221	<LOD	16	<LOD	7	<LOD	41	12	3	<LOD	11	629979	1205	1
025-GSP-22	220222	<LOD	14	<LOD	6	<LOD	35	<LOD	16	<LOD	9	581145	1089	1
025-GSP-22	220223	<LOD	13	<LOD	6	<LOD	34	<LOD	16	<LOD	9	578355	1064	1
025-GSP-22	220224	<LOD	12	<LOD	5	<LOD	29	<LOD	13	<LOD	8	708400	1396	1
026-GSP-22	220225	<LOD	11	<LOD	5	<LOD	31	<LOD	14	<LOD	8	587218	995	1
029-GSP-22	220226	<LOD	12	<LOD	6	<LOD	30	<LOD	14	<LOD	8	618375	1374	1
030-GSP-22	220227	<LOD	19	<LOD	8	<LOD	48	22	4	<LOD	13	669244	1217	1
030-GSP-22	220228	<LOD	18	9	2	<LOD	41	18	4	<LOD	12	611724	1869	1
031-GSP-22	220229	<LOD	19	<LOD	8	<LOD	45	15	4	<LOD	13	671000	1354	1
DUPLICATE														
033-GSP-22	220231	<LOD	14	<LOD	6	<LOD	38	11	3	<LOD	10	718250	979	1
034-GSP-22	220232	<LOD	15	6	1	<LOD	37	<LOD	17	<LOD	11	570100	1520	1
034-GSP-22	220233	<LOD	13	7	2	<LOD	30	<LOD	13	<LOD	9	577937	1548	1
036-GSP-22	220234	<LOD	12	8	1	<LOD	30	<LOD	14	<LOD	8	731182	1089	1
043-GSP-22	220235	<LOD	13	<LOD	6	<LOD	28	<LOD	12	<LOD	8	527435	1883	1
043-GSP-22	220236	<LOD	15	10	3	<LOD	30	20	5	<LOD	9	570325	2309	1
043-GSP-22	220237	12	3	9	2	<LOD	34	<LOD	16	<LOD	10	580999	1798	1
043-GSP-22	220238	<LOD	10	<LOD	7	<LOD	22	<LOD	10	<LOD	6	613901	2191	1
043-GSP-22	220239	<LOD	14	<LOD	7	<LOD	31	<LOD	14	<LOD	9	543749	1975	1
BLANK														
043-GSP-22	220241	<LOD	13	<LOD	6	<LOD	30	<LOD	14	<LOD	9	574049	1742	1
043-GSP-22	220242	7	2	<LOD	6	<LOD	30	<LOD	14	<LOD	9	565150	1576	1
043-GSP-22	220243	<LOD	14	<LOD	6	<LOD	31	<LOD	14	<LOD	8	580728	1905	1
044-GSP-22	220244	<LOD	15	<LOD	7	<LOD	35	13	4	<LOD	10	576497	1637	1
045-GSP-22	220245	<LOD	15	<LOD	7	<LOD	32	<LOD	15	<LOD	9	623182	1932	1
047-GSP-22	220246	<LOD	13	<LOD	6	<LOD	35	<LOD	16	<LOD	9	590403	1073	1
048-GSP-22	220247	<LOD	17	9	3	<LOD	33	18	5	<LOD	10	617994	2183	1
049-GSP-22	220248	<LOD	13	4	1	<LOD	33	<LOD	15	<LOD	10	609369	1103	1
049-GSP-22	220249	<LOD	16	6	2	<LOD	36	<LOD	16	<LOD	11	623519	1747	1
STANDARD - OREAS 46														
053-GSP-22	220001	<LOD	16	<LOD	7	<LOD	37	<LOD	17	<LOD	10	587491	1736	1
053-GSP-22	220002	10	3	<LOD	6	<LOD	31	<LOD	14	<LOD	9	669230	1788	1
053-GSP-22	220003	<LOD	12	412	10	<LOD	20	33	7	17	4	436521	2514	1
053-GSP-22	220004	<LOD	13	<LOD	6	<LOD	31	<LOD	14	<LOD	8	542209	1173	1
053-GSP-22	220005	<LOD	13	3	1	21	6	<LOD	15	<LOD	8	584275	1051	1
053-GSP-22	220006	<LOD	13	35	2	<LOD	33	<LOD	15	<LOD	9	570986	1122	1
053-GSP-22	220007	<LOD	12	<LOD	5	20	5	<LOD	14	<LOD	8	555009	1128	1
053-GSP-22	220008	<LOD	11	<LOD	5	<LOD	25	<LOD	12	<LOD	7	555930	1589	1
053-GSP-22	220009	<LOD	13	<LOD	7	<LOD	21	35	10	<LOD	6	259851	2443	1
BLANK														
053-GSP-22	220011	<LOD	14	<LOD	6	<LOD	37	11	3	<LOD	10	563770	1121	1
054-GSP-22	220012	<LOD	14	8	2	<LOD	35	17	4	<LOD	10	579288	1341	1
057-GSP-22	220013	<LOD	12	<LOD	6	<LOD	31	<LOD	14	<LOD	8	672220	1093	1
057-GSP-22	220014	<LOD	16	<LOD	7	<LOD	37	13	4	<LOD	11	598352	1795	1
063-GSP-22	220015	<LOD	12	<LOD	6	<LOD	28	<LOD	13	<LOD	8	600630	1961	1
064-GSP-22	220016	<LOD	13	4	1	<LOD	35	10	3	<LOD	9	652516	1116	1
072-GSP-22	220017	<LOD	13	<LOD	6	<LOD	31	<LOD	14	<LOD	9	639385	1436	1
077-GSP-22	220018	<LOD	14	<LOD	6	<LOD	36	11	3	<LOD	10	602143	1486	1
078-GSP-22	220019	<LOD	13	<LOD	5	<LOD	31	<LOD	14	<LOD	8	591645	1312	1
DUPLICATE														
079-GSP-22	220021	<LOD	14	<LOD	6	<LOD	28	<LOD	13	<LOD	8	718332	1884	1
079-GSP-22	220022	<LOD	21	7	2	<LOD	46	<LOD	21	<LOD	14	610422	1751	1
079-GSP-22	220023	<LOD	12	<LOD	6	<LOD	31	<LOD	14	<LOD	8	632093	1383	1
082-GSP-22	220024	<LOD	14	5	1	<LOD	39	13	3	<LOD	12	620606	1194	1
085-GSP-22	220025	<LOD	13	6	2	<LOD	32	12	4	<LOD	9	657031	1222	1
086-GSP-22	220026	<LOD	22	15	2	<LOD	52	<LOD	24	<LOD	16	585585	1440	1

pXRF Grab Samples - QAQC Results:

Sample ID	Sample Type	Real Time 1	Real Time 2	Reading #	Method Name	Test Label	Collimation Status	Units	Mg Concentration	Mg Error1s	Mg User Factor Slope	Mg User Factor Offset
220010-25a	In Situ	15	15	68	geoChem3-Extra	68	No	PPM	<LOD	4952	1	0
220010-503a	In Situ	15	15	69	geoChem3-Extra	69	No	PPM	16428	1166	1	0
220010-504b	In Situ	15	15	70	geoChem3-Extra	70	No	PPM	16424	1193	1	0
220220-25a	In Situ	15	15	24	geoChem3-Extra	24	No	PPM	<LOD	5998	1	0
220220-503b	In Situ	15	15	25	geoChem3-Extra	25	No	PPM	14900	1185	1	0
220220-504b	In Situ	15	15	26	geoChem3-Extra	26	No	PPM	17209	1229	1	0
220240-25a	In Situ	15	15	46	geoChem3-Extra	46	No	PPM	<LOD	6023	1	0
220240-503b	In Situ	15	15	47	geoChem3-Extra	47	No	PPM	15411	1172	1	0
220240-504b	In Situ	15	15	48	geoChem3-Extra	48	No	PPM	16518	1199	1	0
25a	In Situ	15	15	2	geoChem3-Extra	2	No	PPM	<LOD	6023	1	0
503a	In Situ	15	15	3	geoChem3-Extra	3	No	PPM	13650	1255	1	0
504b	In Situ	15	15	4	geoChem3-Extra	4	No	PPM	19424	1338	1	0

Sample ID	Al Concentration	Al Error1s	Al User Factor Slope	Al User Factor Offset	Si Concentration	Si Error1s	Si User Factor Slope	Si User Factor Offset	P Concentration	P Error1s	P User Factor Slope	P User Factor Offset
220010-25a	102524	598	1	0	230822	699	1	0	517	24	1	0
220010-503a	69403	523	1	0	279488	829	1	0	971	32	1	0
220010-504b	69438	531	1	0	277780	835	1	0	881	32	1	0
220220-25a	103022	606	1	0	232522	706	1	0	491	24	1	0
220220-503b	70183	532	1	0	278820	833	1	0	922	32	1	0
220220-504b	69125	536	1	0	279559	844	1	0	929	32	1	0
220240-25a	101560	598	1	0	233022	705	1	0	470	23	1	0
220240-503b	68818	525	1	0	278474	834	1	0	997	32	1	0
220240-504b	69243	532	1	0	277578	837	1	0	914	32	1	0
25a	103103	626	1	0	230308	713	1	0	456	24	1	0
503a	68436	543	1	0	276841	849	1	0	948	33	1	0
504b	68904	553	1	0	278498	862	1	0	800	32	1	0

Sample ID	S Concentration	S Error1s	S User Factor Slope	S User Factor Offset	K Concentration	K Error1s	K User Factor Slope	K User Factor Offset	Ca Concentration	Ca Error1s	Ca User Factor Slope
220010-25a	345	30	1	0	4180	35	1	0	2547	25	1
220010-503a	8681	63	1	0	29636	106	1	0	28358	97	1
220010-504b	12966	76	1	0	28452	104	1	0	28587	98	1
220220-25a	389	30	1	0	4247	35	1	0	2488	24	1
220220-503b	8812	63	1	0	29712	106	1	0	28384	97	1
220220-504b	13082	76	1	0	28399	104	1	0	28397	98	1
220240-25a	378	30	1	0	4195	35	1	0	2524	24	1
220240-503b	8680	63	1	0	29541	106	1	0	28310	97	1
220240-504b	12912	76	1	0	28195	103	1	0	28446	98	1
25a	471	31	1	0	4218	35	1	0	2419	25	1
503a	8671	63	1	0	29425	107	1	0	28013	98	1
504b	12989	78	1	0	28492	106	1	0	28475	100	1

Sample ID	Cr User Factor Offset	Ti Concentration	Ti Error1s	Ti User Factor Slope	Ti User Factor Offset	V Concentration	V Error1s	V User Factor Slope	V User Factor Offset	Cr Concentration	Cr Error1s
220010-25a	0	11653	139	1	0	235	36	1	0	107	15
220010-503a	0	4441	127	1	0	150	36	1	0	151	17
220010-504b	0	3721	119	1	0	153	34	1	0	111	16
220220-25a	0	11693	140	1	0	212	37	1	0	100	14
220220-503b	0	4400	127	1	0	178	36	1	0	141	17
220220-504b	0	3662	119	1	0	168	34	1	0	122	17
220240-25a	0	11654	139	1	0	235	37	1	0	108	15
220240-503b	0	4238	128	1	0	110	36	1	0	101	16
220240-504b	0	3554	119	1	0	153	34	1	0	117	16
25a	0	11566	142	1	0	229	37	1	0	89	14
503a	0	4304	126	1	0	155	36	1	0	124	17
504b	0	3619	121	1	0	126	34	1	0	120	17

Sample ID	Cr User Factor Slope	Cr User Factor Offset	Mn Concentration	Mn Error1s	Mn User Factor Slope	Mn User Factor Offset	Fe Concentration	Fe Error1s	Fe User Factor Slope	Fe User Factor Offset
220010-25a	1	0	488	16	1	0	67609	203	1	0
220010-503a	1	0	513	19	1	0	55599	182	1	0
220010-504b	1	0	545	19	1	0	75186	236	1	0
220220-25a	1	0	467	16	1	0	68230	205	1	0
220220-503b	1	0	536	18	1	0	55484	183	1	0
220220-504b	1	0	497	19	1	0	74659	235	1	0
220240-25a	1	0	464	16	1	0	67986	205	1	0
220240-503b	1	0	545	19	1	0	55166	182	1	0
220240-504b	1	0	510	19	1	0	74837	235	1	0
25a	1	0	450	16	1	0	67716	206	1	0
503a	1	0	502	19	1	0	55222	185	1	0
504b	1	0	522	19	1	0	75045	241	1	0

Sample ID	Co Concentration	Co Error1s	Co User Factor Slope	Co User Factor Offset	Ni Concentration	Ni Error1s	Ni User Factor Slope	Ni User Factor Offset	Cu Concentration	Cu Error1s	Cu User Factor Slope	Cu User Factor Offset
220010-25a	195	30	1	0	62	4	1	0	36	4	1	0
220010-503a	101	30	1	0	52	4	1	0	6067	30	1	0
220010-504b	170	35	1	0	42	5	1	0	12423	50	1	0
220220-25a	249	31	1	0	59	4	1	0	37	4	1	0
220220-503b	146	30	1	0	58	4	1	0	6088	30	1	0
220220-504b	157	35	1	0	48	5	1	0	12256	50	1	0
220240-25a	222	30	1	0	52	4	1	0	31	4	1	0
220240-503b	116	30	1	0	52	4	1	0	6038	30	1	0
220240-504b	176	35	1	0	50	5	1	0	12424	50	1	0
25a	168	30	1	0	51	4	1	0	43	4	1	0
503a	<LOD	147	1	0	47	4	1	0	6076	31	1	0
504b	187	35	1	0	49	5	1	0	12422	51	1	0

Sample ID	Zn Concentration	Zn Error1s	Zn User Factor Slope	Zn User Factor Offset	As Concentration	As Error1s	As User Factor Slope	As User Factor Offset	Se Concentration	Se Error1s	Se User Factor Slope	Se User Factor Offset
220010-25a	47	3	1	0	12	1	1	0	4	1	1	0
220010-503a	105	5	1	0	25	2	1	0	7	1	1	0
220010-504b	126	7	1	0	15	2	1	0	14	1	1	0
220220-25a	44	3	1	0	10	1	1	0	3	1	1	0
220220-503b	100	5	1	0	23	2	1	0	7	1	1	0
220220-504b	139	7	1	0	13	2	1	0	13	1	1	0
220240-25a	50	3	1	0	10	1	1	0	2	1	1	0
220240-503b	93	5	1	0	23	2	1	0	7	1	1	0
220240-504b	129	7	1	0	10	2	1	0	13	1	1	0
25a	49	3	1	0	12	1	1	0	4	1	1	0
503a	96	5	1	0	21	2	1	0	7	1	1	0
504b	139	7	1	0	14	2	1	0	13	1	1	0

Sample ID	Rb Concentration	Rb Error1s	Rb User Factor Slope	Rb User Factor Offset	Sr Concentration	Sr Error1s	Sr User Factor Slope	Sr User Factor Offset	Y Concentration	Y Error1s	Y User Factor Slope	Y User Factor Offset
220010-25a	62	1	1	0	46	1	1	0	28	1	1	0
220010-503a	171	2	1	0	370	2	1	0	23	1	1	0
220010-504b	105	2	1	0	414	3	1	0	19	1	1	0
220220-25a	64	1	1	0	46	1	1	0	26	1	1	0
220220-503b	173	2	1	0	368	2	1	0	23	1	1	0
220220-504b	110	2	1	0	416	3	1	0	16	1	1	0
220240-25a	66	1	1	0	46	1	1	0	27	1	1	0
220240-503b	171	2	1	0	365	2	1	0	24	1	1	0
220240-504b	107	2	1	0	414	3	1	0	16	1	1	0
25a	63	1	1	0	47	1	1	0	27	1	1	0
503a	172	2	1	0	368	2	1	0	27	1	1	0
504b	104	2	1	0	417	3	1	0	21	1	1	0

Sample ID	Zr Concentration	Zr Error1s	Zr User Factor Slope	Zr User Factor Offset	Nb Concentration	Nb Error1s	Nb User Factor Slope	Nb User Factor Offset	Mo Concentration	Mo Error1s	Mo User Factor Slope	Mo User Factor Offset
220010-25a	420	3	1	0	22	1	1	0	7	2	1	0
220010-503a	226	2	1	0	13	1	1	0	319	3	1	0
220010-504b	145	2	1	0	7	1	1	0	494	3	1	0
220220-25a	423	3	1	0	19	1	1	0	<LOD	7	1	0
220220-503b	226	2	1	0	9	1	1	0	325	3	1	0
220220-504b	144	2	1	0	8	1	1	0	493	3	1	0
220240-25a	425	3	1	0	20	1	1	0	6	2	1	0
220240-503b	219	2	1	0	8	1	1	0	326	3	1	0
220240-504b	144	2	1	0	5	1	1	0	492	3	1	0
25a	426	3	1	0	22	1	1	0	<LOD	7	1	0
503a	227	2	1	0	12	1	1	0	325	3	1	0
504b	149	2	1	0	8	1	1	0	499	3	1	0

Sample ID	Ag Concentration	Ag Error1s	Ag User Factor Slope	Ag User Factor Offset	Cd Concentration	Cd Error1s	Cd User Factor Slope	Cd User Factor Offset	Sn Concentration	Sn Error1s	Sn User Factor Slope	Sn User Factor Offset
220010-25a	<LOD	21	1	0	<LOD	22	1	0	<LOD	31	1	0
220010-503a	<LOD	24	1	0	<LOD	26	1	0	43	8	1	0
220010-504b	<LOD	22	1	0	<LOD	24	1	0	38	8	1	0
220220-25a	<LOD	21	1	0	<LOD	23	1	0	28	7	1	0
220220-503b	<LOD	24	1	0	<LOD	26	1	0	26	8	1	0
220220-504b	<LOD	22	1	0	<LOD	24	1	0	27	8	1	0
220240-25a	<LOD	21	1	0	<LOD	23	1	0	28	7	1	0
220240-503b	<LOD	24	1	0	<LOD	26	1	0	23	8	1	0
220240-504b	<LOD	22	1	0	<LOD	23	1	0	46	8	1	0
25a	<LOD	21	1	0	<LOD	23	1	0	<LOD	31	1	0
503a	<LOD	24	1	0	<LOD	26	1	0	34	8	1	0
504b	<LOD	22	1	0	<LOD	24	1	0	37	8	1	0

Sample ID	Sb Concentration	Sb Error1s	Sb User Factor Slope	Sb User Factor Offset	Ba Concentration	Ba Error1s	Ba User Factor Slope	Ba User Factor Offset	W Concentration	W Error1s	W User Factor Slope	W User Factor Offset
220010-25a	<LOD	43	1	0	<LOD	2270	1	0	<LOD	21	1	0
220010-503a	<LOD	49	1	0	1158	220	1	0	<LOD	26	1	0
220010-504b	<LOD	45	1	0	996	206	1	0	<LOD	24	1	0
220220-25a	<LOD	44	1	0	<LOD	2297	1	0	<LOD	21	1	0
220220-503b	<LOD	50	1	0	1240	221	1	0	<LOD	26	1	0
220220-504b	<LOD	45	1	0	772	207	1	0	<LOD	24	1	0
220240-25a	<LOD	35	1	0	<LOD	2291	1	0	<LOD	21	1	0
220240-503b	<LOD	50	1	0	1091	225	1	0	<LOD	26	1	0
220240-504b	<LOD	45	1	0	902	209	1	0	<LOD	25	1	0
25a	<LOD	44	1	0	<LOD	2357	1	0	<LOD	21	1	0
503a	<LOD	50	1	0	1386	220	1	0	<LOD	26	1	0
504b	<LOD	46	1	0	802	209	1	0	<LOD	25	1	0

Sample ID	Au Concentration	Au Error1s	Au User Factor Slope	Au User Factor Offset	Hg Concentration	Hg Error1s	Hg User Factor Slope	Hg User Factor Offset	Pb Concentration	Pb Error1s	Pb User Factor Slope	Pb User Factor Offset
220010-25a	<LOD	6	1	0	<LOD	10	1	0	21	2	1	0
220010-503a	<LOD	7	1	0	<LOD	13	1	0	28	2	1	0
220010-504b	<LOD	6	1	0	<LOD	12	1	0	22	2	1	0
220220-25a	<LOD	6	1	0	<LOD	11	1	0	25	2	1	0
220220-503b	<LOD	7	1	0	<LOD	13	1	0	27	2	1	0
220220-504b	<LOD	7	1	0	<LOD	12	1	0	27	2	1	0
220240-25a	<LOD	6	1	0	<LOD	10	1	0	25	2	1	0
220240-503b	<LOD	7	1	0	<LOD	13	1	0	24	2	1	0
220240-504b	<LOD	7	1	0	<LOD	12	1	0	31	2	1	0
25a	<LOD	6	1	0	<LOD	11	1	0	20	2	1	0
503a	<LOD	7	1	0	8	2	1	0	24	2	1	0
504b	<LOD	7	1	0	<LOD	12	1	0	29	2	1	0

Sample ID	Bi Concentration	Bi Error1s	Bi User Factor Slope	Bi User Factor Offset	Th Concentration	Th Error1s	Th User Factor Slope	Th User Factor Offset	U Concentration	U Error1s	U User Factor Slope	U User Factor Offset	LE Concentration	LE Error1s	LE User Factor Slope	LE User Factor Offset
220010-25a	31	7	1	0	<LOD	12	1	0	<LOD	7	1	0	577979	1141	1	0
220010-503a	<LOD	31	1	0	<LOD	14	1	0	<LOD	9	1	0	497474	1346	1	0
220010-504b	<LOD	28	1	0	<LOD	12	1	0	<LOD	8	1	0	470727	1394	1	0
220220-25a	<LOD	27	1	0	<LOD	12	1	0	<LOD	7	1	0	575107	1148	1	0
220220-503b	<LOD	31	1	0	<LOD	14	1	0	<LOD	10	1	0	498690	1353	1	0
220220-504b	26	8	1	0	<LOD	13	1	0	<LOD	8	1	0	469527	1400	1	0
220240-25a	<LOD	26	1	0	<LOD	12	1	0	<LOD	7	1	0	576357	1145	1	0
220240-503b	<LOD	32	1	0	<LOD	14	1	0	<LOD	10	1	0	501028	1354	1	0
220240-504b	28	8	1	0	<LOD	12	1	0	<LOD	8	1	0	472037	1396	1	0
25a	34	7	1	0	<LOD	12	1	0	<LOD	7	1	0	578009	1160	1	0
503a	<LOD	31	1	0	<LOD	14	1	0	<LOD	10	1	0	504878	1381	1	0
504b	<LOD	29	1	0	<LOD	13	1	0	<LOD	9	1	0	468097	1431	1	0

pXRF Soil Sample Results:

Station_ID	Sample_ID1	Easting	Northing	Elevation	Sample Type	Real Time 1	Real Time 2	Units	Au Concentration	Au Error1s	Mg Concentration	Mg Error1s
002-GSS-22	219001	491126.60	5449335.61	394.62	In Situ	20	20	PPM	<LOD	6	<LOD	28928
003-GSS-22	219002	491055.10	5449408.32	393.36	In Situ	20	20	PPM	<LOD	5	9513	2001
004-GSS-22	219003	491042.97	5449424.24	403.08	In Situ	15	15	PPM	<LOD	6	<LOD	35087
005-GSS-22	219004	491068.06	5449444.21	400.10	In Situ	15	15	PPM	<LOD	5	6430	1981
006-GSS-22	219005	491081.65	5449425.40	394.08	In Situ	15	15	PPM	<LOD	7	9070	2338
007-GSS-22	219006	491102.38	5449405.14	394.88	In Situ	15	15	PPM	<LOD	7	7174	2356
008-GSS-22	219007	491122.03	5449385.98	394.46	In Situ	15	15	PPM	<LOD	7	10925	2366
009-GSS-22	219008	491131.39	5449365.95	394.37	In Situ	15	15	PPM	<LOD	7	<LOD	30458
010-GSS-22	219009	491148.76	5449341.70	395.15	In Situ	15	15	PPM	<LOD	7	10041	2365
012-GSS-22	219010	491169.56	5449364.78	392.21	In Situ	15	15	PPM	<LOD	6	10357	2286
013-GSS-22	219011	491155.89	5449378.04	397.15	In Situ	15	15	PPM	<LOD	7	8653	2527
014-GSS-22	219012	491142.07	5449396.96	397.41	In Situ	15	15	PPM	<LOD	6	9252	2354
015-GSS-22	219013	491126.88	5449413.99	400.21	In Situ	15	15	PPM	<LOD	7	8647	2157
016-GSS-22	219014	491115.83	5449431.57	392.15	In Situ	15	15	PPM	<LOD	7	7681	2367
017-GSS-22	219015	491081.05	5449456.31	398.52	In Situ	15	15	PPM	<LOD	7	11635	2279
018-GSS-22	219016	491072.41	5449474.33	400.36	In Situ	15	15	PPM	<LOD	7	8903	2203
019-GSS-22	219017	491089.48	5449490.31	396.45	In Situ	15	15	PPM	<LOD	6	9557	2243
021-GSS-22	219018	491127.74	5449451.68	391.67	In Situ	15	15	PPM	<LOD	7	12201	2179
022-GSS-22	219019	491141.55	5449433.53	397.57	In Situ	15	15	PPM	<LOD	7	<LOD	37554
023-GSS-22	219020	491160.32	5449413.49	396.63	In Situ	15	15	PPM	<LOD	7	6980	2149
026-GSS-22	219021	491167.50	5449439.71	397.05	In Situ	15	15	PPM	<LOD	6	8331	2283
027-GSS-22	219022	491153.39	5449454.52	397.04	In Situ	15	15	PPM	<LOD	7	7312	2370
028-GSS-22	219023	491141.26	5449477.00	396.14	In Situ	15	15	PPM	<LOD	6	9682	2387
029-GSS-22	219024	491170.69	5449476.17	395.79	In Situ	15	15	PPM	<LOD	7	<LOD	31403
030-GSS-22	219024	491189.81	5449450.24	395.41	In Situ	15	15	PPM	<LOD	6	10582	2156
031-GSS-22	219026	491192.04	5449480.48	397.68	In Situ	15	15	PPM	<LOD	6	8037	2169
033-GSS-22	219027	491454.98	5449440.59	396.60	In Situ	15	15	PPM	<LOD	6	8239	1982
034-GSS-22	219028	491426.91	5449475.22	401.87	In Situ	15	15	PPM	<LOD	7	<LOD	26876
035-GSS-22	219029	491401.16	5449504.93	394.38	In Situ	15	15	PPM	<LOD	6	7952	2059
036-GSS-22	219030	491394.38	5449589.22	391.53	In Situ	15	15	PPM	<LOD	7	11189	2091
036-GSS-22-D	219031	491394.38	5449589.22	391.53	In Situ	15	15	PPM	<LOD	7	7404	2165
037-GSS-22	219032	491433.80	5449550.69	404.64	In Situ	15	15	PPM	<LOD	7	8135	2440
038-GSS-22	219033	491471.92	5449515.17	409.89	In Situ	15	15	PPM	<LOD	7	<LOD	23392
039-GSS-22	219034	491499.83	5449476.32	402.47	In Situ	15	15	PPM	<LOD	7	7069	2303
040-GSS-22	219035	491539.20	5449447.47	399.71	In Situ	15	15	PPM	<LOD	5	10644	2261
044-GSS-22	219036	491537.11	5449504.39	401.20	In Situ	15	15	PPM	<LOD	7	7858	2484
045-GSS-22	219037	491508.96	5449538.45	408.89	In Situ	15	15	PPM	<LOD	6	6664	2030
046-GSS-22	219038	491467.94	5449575.20	410.84	In Situ	15	15	PPM	<LOD	6	7196	2238
047-GSS-22	219039	491441.26	5449617.71	419.81	In Situ	15	15	PPM	<LOD	7	7921	2194
BLANK	219040											
048-GSS-22	219041	491409.18	5449648.44	401.60	In Situ	15	15	PPM	<LOD	6	<LOD	29557
050-GSS-22	219042	491411.50	5449731.26	390.90	In Situ	15	15	PPM	<LOD	5	<LOD	28902
051-GSS-22	219043	491435.83	5449687.76	409.55	In Situ	15	15	PPM	<LOD	6	7059	1888
052-GSS-22	219044	491473.74	5449656.79	419.52	In Situ	15	15	PPM	<LOD	7	8828	2318
053-GSS-22	219045	491514.48	5449619.59	417.98	In Situ	15	15	PPM	<LOD	7	9929	1932
054-GSS-22	219046	491541.39	5449586.65	415.84	In Situ	15	15	PPM	<LOD	6	<LOD	26984
055-GSS-22	219047	491577.66	5449537.46	398.77	In Situ	15	15	PPM	<LOD	7	<LOD	30781
059-GSS-22	219048	491716.25	5449458.43	396.87	In Situ	15	15	PPM	<LOD	6	<LOD	38883
062-GSS-22	219049	491620.34	5449579.41	402.96	In Situ	15	15	PPM	<LOD	7	7999	2213
STANDARD - OREAS 46	219050											
063-GSS-22	219051	491580.62	5449613.27	411.08	In Situ	15	15	PPM	<LOD	7	<LOD	33312
064-GSS-22	219052	491541.13	5449656.91	400.59	In Situ	15	15	PPM	<LOD	6	11307	1746
065-GSS-22	219053	491508.76	5449688.75	400.28	In Situ	15	15	PPM	<LOD	7	7624	2378
066-GSS-22	219054	491482.21	5449714.70	404.09	In Situ	15	15	PPM	<LOD	6	<LOD	38399
067-GSS-22	219055	491450.08	5449761.22	400.88	In Situ	15	15	PPM	<LOD	7	<LOD	31882
068-GSS-22	219056	491408.11	5449800.08	404.02	In Situ	15	15	PPM	<LOD	6	8749	2060
069-GSS-22	219057	491444.15	5449833.60	409.70	In Situ	15	15	PPM	<LOD	6	11772	2246
070-GSS-22	219058	491480.15	5449798.63	408.31	In Situ	15	15	PPM	<LOD	7	9593	2417
072-GSS-22	219059	491548.43	5449712.82	414.00	In Situ	15	15	PPM	<LOD	7	<LOD	38524
BLANK	219060											
073-GSS-22	219061	491583.78	5449681.85	413.70	In Situ	15	15	PPM	<LOD	6	8654	2030
074-GSS-22	219062	491619.35	5449646.56	423.57	In Situ	15	15	PPM	<LOD	7	11661	2272
075-GSS-22	219063	491651.29	5449618.16	408.00	In Situ	15	15	PPM	<LOD	6	<LOD	31226
076-GSS-22	219064	491668.05	5449571.67	402.99	In Situ	15	15	PPM	<LOD	7	<LOD	30960
078-GSS-22	219065	491746.41	5449506.52	398.83	In Situ	15	15	PPM	<LOD	7	9852	2169
079-GSS-22	219066	491783.96	5449526.03	407.33	In Situ	15	15	PPM	<LOD	6	9177	2201
080-GSS-22	219067	491756.11	5449560.09	406.55	In Situ	15	15	PPM	<LOD	6	10433	2154
081-GSS-22	219068	491721.64	5449600.16	409.07	In Situ	15	15	PPM	<LOD	7	20586	2213
082-GSS-22	219069	491688.06	5449648.79	411.42	In Situ	15	15	PPM	<LOD	7	<LOD	38702
083-GSS-22	219070	491652.77	5449680.42	426.10	In Situ	15	15	PPM	<LOD	6	8549	2256
083-GSS-22-D	219071	491652.77	5449680.42	426.10	In Situ	15	15	PPM	<LOD	6	17484	1919
084-GSS-22	219072	491612.60	5449706.05	419.22	In Situ	15	15	PPM	<LOD	6	8604	2218
085-GSS-22	219073	491583.82	5449752.22	424.70	In Situ	15	15	PPM	<LOD	6	8047	2232
087-GSS-22	219074	491520.32	5449819.80	410.53	In Situ	15	15	PPM	<LOD	6	6723	2080

Station_ID	Sample_ID1	Al Concentration	Al Error1s	Si Concentration	Si Error1s	P Concentration	P Error1s	S Concentration	S Error1s	K Concentration	K Error1s
002-GSS-22	219001	21331	399	36695	263	270	22	3243	43	1272	30
003-GSS-22	219002	17495	371	31873	246	159	21	3381	43	1533	30
004-GSS-22	219003	13166	363	23681	224	184	22	3734	47	610	29
005-GSS-22	219004	15414	373	29564	250	383	24	2554	41	1216	29
006-GSS-22	219005	15593	415	28329	270	344	27	4443	55	1280	35
007-GSS-22	219006	19039	447	39580	325	206	26	4361	56	874	35
008-GSS-22	219007	19653	454	42269	340	215	26	2934	50	1702	37
009-GSS-22	219008	20290	466	41879	330	377	29	4573	58	1713	39
010-GSS-22	219009	16459	425	31322	286	712	30	3878	53	1501	35
012-GSS-22	219010	11247	362	18747	212	132	22	4597	53	636	30
013-GSS-22	219011	15126	429	27136	275	202	26	4913	60	972	36
014-GSS-22	219012	10722	364	16393	203	149	23	5936	60	332	31
015-GSS-22	219013	19855	430	40929	318	469	26	3398	49	1157	33
016-GSS-22	219014	17476	436	31687	290	255	26	4213	55	1178	35
017-GSS-22	219015	21715	460	43754	342	247	26	2954	49	2012	37
018-GSS-22	219016	19796	438	41155	323	589	28	2917	48	1985	36
019-GSS-22	219017	15548	403	27662	258	221	24	3296	48	1134	33
021-GSS-22	219018	26559	483	62268	417	310	27	3139	50	1297	36
022-GSS-22	219019	14669	407	25734	250	322	26	2955	48	1772	35
023-GSS-22	219020	18235	420	34733	291	704	28	2700	46	1614	34
026-GSS-22	219021	14669	399	24958	250	136	23	2946	47	855	32
027-GSS-22	219022	18338	443	37973	320	234	26	3011	50	1268	35
028-GSS-22	219023	12700	389	19576	222	301	26	5419	58	753	33
029-GSS-22	219024	20026	459	50794	365	199	27	2525	50	1638	38
030-GSS-22	219024	13775	374	24474	234	180	22	2677	43	1369	31
031-GSS-22	219026	16930	408	31565	278	256	24	2762	45	1552	33
033-GSS-22	219027	18879	401	38293	290	321	25	5966	56	785	29
034-GSS-22	219028	21103	443	51446	354	238	25	2951	48	1782	35
035-GSS-22	219029	13416	361	22248	220	480	25	2720	42	756	28
036-GSS-22	219030	25970	470	69745	435	244	25	2620	47	2552	38
036-GSS-22-D	219031	18586	422	37350	301	336	25	3360	48	1843	34
037-GSS-22	219032	18806	455	42241	346	230	27	4203	58	1142	37
038-GSS-22	219033	18338	410	42590	308	483	26	3021	46	1651	34
039-GSS-22	219034	15310	412	29013	272	419	27	3201	49	1700	35
040-GSS-22	219035	14264	387	24151	238	152	23	2756	46	366	30
044-GSS-22	219036	11555	391	17451	215	138	25	5516	60	711	34
045-GSS-22	219037	12476	354	21370	217	163	21	4754	51	1178	29
046-GSS-22	219038	13247	386	23299	237	184	23	3092	46	1581	33
047-GSS-22	219039	12886	374	23897	237	390	25	3112	47	1192	31
BLANK	219040										
048-GSS-22	219041	14495	379	24042	228	565	27	3801	48	725	30
050-GSS-22	219042	10447	327	16873	183	152	22	3857	45	633	28
051-GSS-22	219043	22080	418	50006	343	337	23	2706	43	1230	30
052-GSS-22	219044	14300	402	25186	253	226	24	3031	48	1518	35
053-GSS-22	219045	32834	499	78167	458	532	28	3171	49	2372	37
054-GSS-22	219046	12651	358	22749	222	221	22	5017	52	760	29
055-GSS-22	219047	17020	420	32713	280	239	25	3251	49	1945	36
059-GSS-22	219048	13303	400	22210	236	431	28	5417	58	719	34
062-GSS-22	219049	14746	397	30343	273	286	25	5371	57	1721	35
STANDARD - OREAS 46	219050										
063-GSS-22	219051	15224	409	26808	254	217	25	3096	48	1475	34
064-GSS-22	219052	41354	514	93504	487	853	29	2357	43	2915	37
065-GSS-22	219053	17478	441	35130	310	635	30	3041	51	1978	38
066-GSS-22	219054	15524	412	26132	250	368	26	3174	48	1467	35
067-GSS-22	219055	18187	440	34628	295	765	31	3127	50	1582	36
068-GSS-22	219056	21165	427	46076	328	278	23	2917	45	1578	32
069-GSS-22	219057	21805	451	53265	374	742	30	2765	47	1661	35
070-GSS-22	219058	21873	477	48378	370	269	27	3152	52	1749	37
072-GSS-22	219059	15830	409	32975	280	157	23	2454	45	1177	32
BLANK	219060										
073-GSS-22	219061	20438	418	41689	313	361	24	2254	41	1542	31
074-GSS-22	219062	18606	431	39113	313	278	25	3413	49	1905	35
075-GSS-22	219063	14216	385	28785	252	170	23	2654	44	1735	33
076-GSS-22	219064	19726	438	37315	295	215	25	3404	49	1368	34
078-GSS-22	219065	22032	447	52597	368	183	24	2836	46	1940	35
079-GSS-22	219066	18739	421	45825	335	298	25	4507	53	1034	32
080-GSS-22	219067	27829	485	62617	410	315	26	2790	47	1198	34
081-GSS-22	219068	43884	589	98803	563	879	34	2545	50	2369	40
082-GSS-22	219069	15587	425	29344	270	222	26	3652	52	100	32
083-GSS-22	219070	19994	435	35620	304	507	26	1940	42	673	29
083-GSS-22-D	219071	44088	546	96311	523	1173	33	1998	43	1366	32
084-GSS-22	219072	18123	422	34504	291	312	25	2692	46	1638	33
085-GSS-22	219073	18573	426	46327	340	278	25	2863	47	1556	33
087-GSS-22	219074	20072	429	41804	316	297	24	3231	47	2077	35

Station_ID	Sample_ID1	Ca Concentration	Ca Error1s	Ti Concentration	Ti Error1s	V Concentration	V Error1s	Cr Concentration	Cr Error1s	Mn Concentration	Mn Error1s
002-GSS-22	219001	7049	40	2519	85	86	23	51	11	258	12
003-GSS-22	219002	7406	42	2063	79	<LOD	109	<LOD	53	282	11
004-GSS-22	219003	7536	42	1234	77	<LOD	101	<LOD	51	1068	19
005-GSS-22	219004	8774	48	1240	76	<LOD	104	<LOD	53	3750	35
006-GSS-22	219005	10697	63	1851	92	<LOD	135	<LOD	67	514	17
007-GSS-22	219006	8799	55	1534	91	<LOD	120	<LOD	60	196	12
008-GSS-22	219007	7304	50	2073	98	<LOD	140	42	14	249	14
009-GSS-22	219008	9323	55	1985	102	<LOD	141	<LOD	66	301	14
010-GSS-22	219009	10067	60	2133	98	<LOD	136	<LOD	67	328	15
012-GSS-22	219010	7529	47	1553	82	<LOD	111	<LOD	56	842	18
013-GSS-22	219011	9516	61	2370	101	91	29	<LOD	73	371	15
014-GSS-22	219012	8684	53	1536	87	<LOD	120	<LOD	62	250	13
015-GSS-22	219013	7428	48	2003	91	<LOD	131	<LOD	63	302	14
016-GSS-22	219014	10180	62	1747	96	<LOD	131	46	13	242	14
017-GSS-22	219015	8396	53	1972	102	<LOD	140	<LOD	66	352	15
018-GSS-22	219016	7532	49	2231	99	<LOD	137	<LOD	63	348	14
019-GSS-22	219017	7495	48	1746	92	<LOD	122	<LOD	60	368	14
021-GSS-22	219018	8260	52	2104	101	<LOD	140	<LOD	68	291	14
022-GSS-22	219019	7832	47	1944	94	103	27	<LOD	64	333	14
023-GSS-22	219020	6082	42	2227	93	<LOD	138	<LOD	65	834	19
026-GSS-22	219021	8243	52	1878	89	85	25	<LOD	67	753	18
027-GSS-22	219022	5684	42	2292	100	<LOD	134	<LOD	63	253	14
028-GSS-22	219023	8930	55	1709	91	<LOD	123	<LOD	61	179	12
029-GSS-22	219024	7580	48	2450	106	<LOD	142	<LOD	68	207	14
030-GSS-22	219024	4846	36	2665	89	97	25	<LOD	61	119	11
031-GSS-22	219026	6784	45	2681	92	129	26	<LOD	70	493	16
033-GSS-22	219027	14988	73	990	74	<LOD	103	<LOD	55	2874	31
034-GSS-22	219028	6318	42	2306	97	<LOD	139	<LOD	65	1341	23
035-GSS-22	219029	9577	53	1747	78	<LOD	115	<LOD	60	908	18
036-GSS-22	219030	7019	46	2312	102	103	29	<LOD	64	254	14
036-GSS-22-D	219031	8080	50	2139	98	<LOD	131	<LOD	60	236	13
037-GSS-22	219032	9118	58	1731	99	90	28	<LOD	66	650	18
038-GSS-22	219033	9236	51	2019	93	<LOD	136	<LOD	66	2181	28
039-GSS-22	219034	7703	50	2278	99	<LOD	132	<LOD	63	673	17
040-GSS-22	219035	9529	53	499	68	<LOD	81	<LOD	40	156	10
044-GSS-22	219036	10185	62	1533	95	<LOD	128	<LOD	61	1090	22
045-GSS-22	219037	7827	47	2261	88	<LOD	135	<LOD	64	1039	20
046-GSS-22	219038	7297	47	2112	93	<LOD	134	<LOD	64	3148	35
047-GSS-22	219039	7133	46	1899	88	83	25	<LOD	67	2268	29
BLANK	219040										
048-GSS-22	219041	12793	61	1392	80	<LOD	105	<LOD	52	461	14
050-GSS-22	219042	14141	61	721	65	<LOD	82	<LOD	42	318	12
051-GSS-22	219043	6974	43	3421	97	<LOD	144	62	12	329	13
052-GSS-22	219044	6929	47	2035	97	<LOD	138	<LOD	65	659	18
053-GSS-22	219045	9727	55	2241	104	<LOD	137	<LOD	63	1406	24
054-GSS-22	219046	8982	50	2481	88	105	24	<LOD	67	2374	28
055-GSS-22	219047	8403	50	2236	97	90	28	49	13	978	21
059-GSS-22	219048	8998	51	1399	89	<LOD	116	<LOD	58	187	12
062-GSS-22	219049	10004	59	2296	97	<LOD	140	49	13	562	17
STANDARD - OREAS 46	219050										
063-GSS-22	219051	7858	47	1967	96	<LOD	139	<LOD	66	1262	22
064-GSS-22	219052	8247	47	2357	98	109	28	<LOD	63	606	17
065-GSS-22	219053	7517	51	2106	100	105	29	<LOD	71	404	16
066-GSS-22	219054	6955	44	1959	97	<LOD	130	<LOD	62	320	14
067-GSS-22	219055	9474	54	2003	94	134	27	<LOD	67	600	17
068-GSS-22	219056	7366	45	2277	94	<LOD	124	<LOD	61	728	17
069-GSS-22	219057	5842	41	2054	95	88	27	<LOD	60	990	20
070-GSS-22	219058	8999	56	1983	98	<LOD	132	<LOD	65	455	16
072-GSS-22	219059	7062	44	2000	93	104	26	<LOD	67	304	14
BLANK	219060										
073-GSS-22	219061	6550	42	2698	90	<LOD	140	38	12	1791	25
074-GSS-22	219062	7185	47	2274	96	<LOD	136	<LOD	64	347	14
075-GSS-22	219063	7834	45	2455	92	98	26	42	12	1339	22
076-GSS-22	219064	9173	51	1780	94	<LOD	129	<LOD	64	274	13
078-GSS-22	219065	7148	46	2041	98	<LOD	133	<LOD	62	255	13
079-GSS-22	219066	7800	48	1801	94	<LOD	122	<LOD	57	248	12
080-GSS-22	219067	7337	47	1742	93	<LOD	126	<LOD	59	212	13
081-GSS-22	219068	8109	52	2277	109	97	31	<LOD	71	320	15
082-GSS-22	219069	7176	45	2082	95	<LOD	123	<LOD	60	709	18
083-GSS-22	219070	5252	39	3302	94	91	25	91	13	1329	23
083-GSS-22-D	219071	7438	46	2824	95	134	26	69	13	1206	22
084-GSS-22	219072	7346	47	2413	94	103	27	<LOD	65	874	19
085-GSS-22	219073	5492	39	1574	82	<LOD	103	<LOD	52	330	13
087-GSS-22	219074	8286	50	2203	97	90	28	<LOD	59	260	13

Station_ID	Sample_ID1	Fe Concentration	Fe Error1s	Co Concentration	Co Error1s	Ni Concentration	Ni Error1s	Cu Concentration	Cu Error1s	Zn Concentration	Zn Error1s
002-GSS-22	219001	28295	118	134	18	23	3	28	3	53	2
003-GSS-22	219002	17653	84	96	14	20	3	19	3	55	2
004-GSS-22	219003	13921	70	100	14	9	2	22	2	97	3
005-GSS-22	219004	14648	77	<LOD	77	10	2	25	3	198	4
006-GSS-22	219005	23553	128	149	20	49	4	86	4	109	3
007-GSS-22	219006	14110	83	90	16	12	3	23	3	40	2
008-GSS-22	219007	21594	120	92	19	17	3	15	3	47	3
009-GSS-22	219008	18009	95	104	18	20	3	15	3	37	3
010-GSS-22	219009	19325	108	126	18	22	3	29	3	47	3
012-GSS-22	219010	16135	88	133	16	10	3	66	3	99	3
013-GSS-22	219011	24963	141	113	21	25	3	15	3	54	3
014-GSS-22	219012	15722	89	168	16	21	3	11	3	48	2
015-GSS-22	219013	22229	116	73	18	24	3	26	3	52	3
016-GSS-22	219014	18613	105	120	18	30	3	30	3	42	3
017-GSS-22	219015	20007	110	139	18	22	3	16	3	67	3
018-GSS-22	219016	19262	104	102	18	14	3	15	3	75	3
019-GSS-22	219017	17005	93	120	16	21	3	13	3	46	2
021-GSS-22	219018	20970	112	149	19	30	3	38	3	49	3
022-GSS-22	219019	20618	103	99	18	23	3	16	3	47	3
023-GSS-22	219020	23344	121	101	19	12	3	33	3	133	4
026-GSS-22	219021	26480	140	155	20	21	3	35	3	76	3
027-GSS-22	219022	17450	99	122	17	23	3	24	3	47	3
028-GSS-22	219023	14630	85	95	15	15	3	16	3	34	2
029-GSS-22	219024	17097	91	77	17	10	3	15	3	32	2
030-GSS-22	219024	21500	110	108	17	20	3	18	3	49	2
031-GSS-22	219026	33997	172	192	23	49	4	29	3	64	3
033-GSS-22	219027	13646	74	<LOD	75	12	3	113	4	62	2
034-GSS-22	219028	20886	103	137	19	24	3	25	3	66	3
035-GSS-22	219029	26110	129	168	19	29	3	27	3	59	3
036-GSS-22	219030	17548	95	142	17	15	3	10	3	33	2
036-GSS-22-D	219031	16669	91	114	16	17	3	<LOD	13	31	2
037-GSS-22	219032	15428	92	112	17	11	3	10	3	48	3
038-GSS-22	219033	20878	101	107	18	21	3	13	3	118	3
039-GSS-22	219034	15681	89	93	16	13	3	10	3	61	3
040-GSS-22	219035	3974	32	<LOD	39	<LOD	9	19	2	71	2
044-GSS-22	219036	13456	82	70	15	14	3	12	3	48	3
045-GSS-22	219037	27927	139	149	20	18	3	35	3	138	4
046-GSS-22	219038	21569	116	<LOD	104	24	3	44	3	238	5
047-GSS-22	219039	28817	148	99	21	28	3	47	3	101	3
BLANK	219040										
048-GSS-22	219041	13745	71	88	14	<LOD	12	21	3	39	2
050-GSS-22	219042	6596	40	50	10	<LOD	10	16	2	54	2
051-GSS-22	219043	33265	157	214	22	57	4	17	3	62	3
052-GSS-22	219044	18794	104	115	17	21	3	18	3	60	3
053-GSS-22	219045	15738	86	57	16	18	3	14	3	72	3
054-GSS-22	219046	31387	143	142	21	24	3	30	3	217	4
055-GSS-22	219047	22541	111	144	19	27	3	47	4	79	3
059-GSS-22	219048	12703	70	101	15	<LOD	13	10	3	36	2
062-GSS-22	219049	24332	129	163	20	29	3	13	3	102	3
STANDARD - OREAS 46	219050										
063-GSS-22	219051	20105	101	78	18	21	3	20	3	97	3
064-GSS-22	219052	21957	105	125	18	25	3	23	3	57	3
065-GSS-22	219053	21772	122	129	19	26	3	15	3	59	3
066-GSS-22	219054	14633	78	87	15	12	3	15	3	51	3
067-GSS-22	219055	20148	103	122	19	17	3	25	3	63	3
068-GSS-22	219056	18136	93	96	16	15	3	24	3	84	3
069-GSS-22	219057	19775	105	118	18	10	3	25	3	135	3
070-GSS-22	219058	15696	91	128	17	16	3	11	3	61	3
072-GSS-22	219059	23943	115	181	19	29	3	26	3	53	3
BLANK	219060										
073-GSS-22	219061	35262	170	185	22	42	4	30	3	137	4
074-GSS-22	219062	20451	109	134	18	26	3	24	3	74	3
075-GSS-22	219063	23403	110	133	19	34	3	13	3	134	4
076-GSS-22	219064	17449	88	115	17	17	3	16	3	43	2
078-GSS-22	219065	19643	104	98	17	21	3	14	3	65	3
079-GSS-22	219066	12957	74	123	14	<LOD	12	18	3	41	2
080-GSS-22	219067	19821	104	116	18	17	3	15	3	59	3
081-GSS-22	219068	23034	121	111	20	28	3	11	3	61	3
082-GSS-22	219069	11325	65	172	14	11	3	18	3	51	2
083-GSS-22	219070	50265	256	253	27	59	4	42	4	181	4
083-GSS-22-D	219071	45028	202	267	26	52	4	17	3	143	4
084-GSS-22	219072	23537	123	128	19	29	3	14	3	97	3
085-GSS-22	219073	12137	70	58	14	<LOD	11	18	3	95	3
087-GSS-22	219074	15539	84	119	16	20	3	10	3	41	2

Station_ID	Sample_ID1	Nb Concentration	Nb Error1s	Mo Concentration	Mo Error1s	Ag Concentration	Ag Error1s	Cd Concentration	Cd Error1s	Sn Concentration	Sn Error1s
002-GSS-22	219001	5	1	5	1	<LOD	23	<LOD	25	<LOD	34
003-GSS-22	219002	3	1	5	1	<LOD	23	<LOD	24	<LOD	32
004-GSS-22	219003	<LOD	6	<LOD	8	<LOD	24	<LOD	25	<LOD	33
005-GSS-22	219004	<LOD	6	4	1	<LOD	23	<LOD	24	<LOD	32
006-GSS-22	219005	4	1	8	2	<LOD	27	20	6	<LOD	39
007-GSS-22	219006	<LOD	6	7	2	<LOD	27	<LOD	29	<LOD	39
008-GSS-22	219007	<LOD	6	<LOD	9	<LOD	28	<LOD	30	<LOD	41
009-GSS-22	219008	<LOD	7	<LOD	9	<LOD	29	<LOD	31	<LOD	41
010-GSS-22	219009	<LOD	6	<LOD	9	<LOD	28	<LOD	30	<LOD	40
012-GSS-22	219010	<LOD	6	6	1	<LOD	25	<LOD	26	<LOD	35
013-GSS-22	219011	<LOD	6	7	2	<LOD	29	<LOD	31	<LOD	41
014-GSS-22	219012	<LOD	6	<LOD	8	<LOD	26	<LOD	28	<LOD	38
015-GSS-22	219013	<LOD	6	8	2	<LOD	26	<LOD	28	<LOD	37
016-GSS-22	219014	<LOD	6	<LOD	9	<LOD	28	<LOD	30	<LOD	40
017-GSS-22	219015	<LOD	6	<LOD	9	<LOD	28	<LOD	30	<LOD	40
018-GSS-22	219016	4	1	<LOD	8	<LOD	27	<LOD	29	<LOD	39
019-GSS-22	219017	<LOD	6	<LOD	8	<LOD	26	<LOD	28	<LOD	37
021-GSS-22	219018	<LOD	6	<LOD	8	<LOD	28	<LOD	30	<LOD	40
022-GSS-22	219019	<LOD	6	<LOD	9	<LOD	27	<LOD	29	<LOD	40
023-GSS-22	219020	6	1	6	2	<LOD	26	<LOD	28	<LOD	38
026-GSS-22	219021	<LOD	6	8	2	<LOD	26	<LOD	28	<LOD	38
027-GSS-22	219022	<LOD	6	<LOD	9	<LOD	27	<LOD	29	<LOD	39
028-GSS-22	219023	<LOD	6	<LOD	8	<LOD	26	<LOD	28	<LOD	38
029-GSS-22	219024	4	1	<LOD	9	<LOD	28	<LOD	31	<LOD	41
030-GSS-22	219024	4	1	<LOD	8	<LOD	24	<LOD	26	<LOD	34
031-GSS-22	219026	<LOD	6	5	2	<LOD	26	<LOD	27	<LOD	37
033-GSS-22	219027	<LOD	6	<LOD	8	<LOD	23	<LOD	25	<LOD	32
034-GSS-22	219028	4	1	6	2	<LOD	27	<LOD	29	<LOD	38
035-GSS-22	219029	<LOD	6	<LOD	8	<LOD	23	<LOD	25	<LOD	33
036-GSS-22	219030	<LOD	6	<LOD	8	<LOD	27	17	6	<LOD	40
036-GSS-22-D	219031	<LOD	6	<LOD	8	<LOD	27	18	6	<LOD	38
037-GSS-22	219032	<LOD	6	<LOD	9	<LOD	28	<LOD	30	<LOD	40
038-GSS-22	219033	4	1	<LOD	8	<LOD	26	<LOD	28	<LOD	37
039-GSS-22	219034	<LOD	6	<LOD	8	<LOD	27	<LOD	29	<LOD	38
040-GSS-22	219035	<LOD	6	<LOD	8	<LOD	22	<LOD	23	<LOD	29
044-GSS-22	219036	<LOD	6	5	2	<LOD	27	<LOD	29	<LOD	39
045-GSS-22	219037	5	1	7	2	<LOD	25	<LOD	26	<LOD	35
046-GSS-22	219038	5	1	6	2	<LOD	26	<LOD	27	<LOD	36
047-GSS-22	219039	4	1	5	2	<LOD	25	<LOD	27	<LOD	37
BLANK	219040										
048-GSS-22	219041	<LOD	6	5	1	<LOD	24	<LOD	26	<LOD	34
050-GSS-22	219042	<LOD	6	6	1	<LOD	22	<LOD	23	<LOD	29
051-GSS-22	219043	5	1	<LOD	8	<LOD	25	<LOD	26	<LOD	35
052-GSS-22	219044	<LOD	6	<LOD	8	<LOD	27	<LOD	29	<LOD	39
053-GSS-22	219045	<LOD	6	<LOD	8	<LOD	27	<LOD	29	<LOD	39
054-GSS-22	219046	7	1	<LOD	8	<LOD	25	<LOD	26	<LOD	35
055-GSS-22	219047	5	1	<LOD	9	<LOD	27	<LOD	29	<LOD	40
059-GSS-22	219048	<LOD	6	<LOD	8	<LOD	26	<LOD	28	<LOD	37
062-GSS-22	219049	4	1	<LOD	8	<LOD	27	<LOD	29	<LOD	40
STANDARD - OREAS 46	219050										
063-GSS-22	219051	<LOD	6	<LOD	8	<LOD	27	<LOD	29	<LOD	39
064-GSS-22	219052	5	1	5	1	<LOD	26	<LOD	28	<LOD	38
065-GSS-22	219053	<LOD	6	7	2	<LOD	28	<LOD	30	<LOD	41
066-GSS-22	219054	<LOD	6	<LOD	8	<LOD	27	<LOD	29	<LOD	39
067-GSS-22	219055	<LOD	6	7	2	<LOD	28	<LOD	30	<LOD	41
068-GSS-22	219056	<LOD	6	5	1	<LOD	25	<LOD	27	<LOD	36
069-GSS-22	219057	<LOD	6	<LOD	8	<LOD	26	<LOD	27	<LOD	36
070-GSS-22	219058	<LOD	6	<LOD	9	<LOD	28	<LOD	30	<LOD	40
072-GSS-22	219059	<LOD	6	7	2	<LOD	27	<LOD	29	<LOD	39
BLANK	219060										
073-GSS-22	219061	6	1	7	2	<LOD	24	<LOD	26	<LOD	35
074-GSS-22	219062	<LOD	6	<LOD	8	<LOD	27	<LOD	29	<LOD	39
075-GSS-22	219063	<LOD	6	<LOD	8	<LOD	26	<LOD	28	25	7
076-GSS-22	219064	<LOD	6	<LOD	8	<LOD	27	<LOD	29	<LOD	39
078-GSS-22	219065	3	1	<LOD	8	<LOD	27	<LOD	29	<LOD	39
079-GSS-22	219066	3	1	<LOD	8	<LOD	26	<LOD	28	<LOD	37
080-GSS-22	219067	<LOD	6	<LOD	8	<LOD	26	<LOD	28	<LOD	37
081-GSS-22	219068	<LOD	6	<LOD	9	<LOD	29	<LOD	31	<LOD	42
082-GSS-22	219069	<LOD	6	<LOD	9	<LOD	26	<LOD	28	<LOD	38
083-GSS-22	219070	5	1	<LOD	8	<LOD	25	<LOD	26	<LOD	35
083-GSS-22-D	219071	<LOD	6	<LOD	7	<LOD	24	<LOD	26	<LOD	34
084-GSS-22	219072	4	1	<LOD	8	<LOD	26	<LOD	28	<LOD	38
085-GSS-22	219073	<LOD	6	<LOD	8	<LOD	24	<LOD	25	<LOD	33
087-GSS-22	219074	<LOD	6	5	1	<LOD	26	<LOD	28	<LOD	38

Station_ID	Sample_ID1	Sb Concentration	Sb Error1s	Ba Concentration	Ba Error1s	W Concentration	W Error1s	Hg Concentration	Hg Error1s	Pb Concentration	Pb Error1s
002-GSS-22	219001	<LOD	48	<LOD	1926	<LOD	22	<LOD	11	14	1
003-GSS-22	219002	<LOD	45	<LOD	1685	<LOD	20	<LOD	10	18	1
004-GSS-22	219003	<LOD	45	<LOD	1692	<LOD	22	<LOD	11	58	2
005-GSS-22	219004	<LOD	44	<LOD	1732	<LOD	22	<LOD	10	37	1
006-GSS-22	219005	<LOD	55	<LOD	2136	<LOD	25	<LOD	12	12	1
007-GSS-22	219006	<LOD	54	<LOD	1879	<LOD	25	<LOD	12	11	1
008-GSS-22	219007	<LOD	57	536	174	<LOD	25	<LOD	13	14	1
009-GSS-22	219008	37	12	<LOD	2245	<LOD	26	<LOD	13	11	1
010-GSS-22	219009	<LOD	57	<LOD	2135	<LOD	25	<LOD	12	11	1
012-GSS-22	219010	<LOD	48	<LOD	1789	<LOD	23	<LOD	11	44	2
013-GSS-22	219011	<LOD	58	<LOD	2302	<LOD	27	<LOD	13	14	1
014-GSS-22	219012	<LOD	53	<LOD	1926	13	4	<LOD	12	11	1
015-GSS-22	219013	<LOD	52	<LOD	2023	<LOD	24	<LOD	12	14	1
016-GSS-22	219014	<LOD	56	<LOD	2130	<LOD	26	<LOD	13	10	1
017-GSS-22	219015	<LOD	56	<LOD	2267	<LOD	26	<LOD	13	14	1
018-GSS-22	219016	<LOD	55	<LOD	2150	<LOD	26	<LOD	13	17	1
019-GSS-22	219017	<LOD	52	<LOD	2024	<LOD	23	<LOD	11	12	1
021-GSS-22	219018	<LOD	56	<LOD	2219	<LOD	25	<LOD	13	9	1
022-GSS-22	219019	<LOD	55	<LOD	2140	<LOD	25	<LOD	12	16	1
023-GSS-22	219020	<LOD	53	<LOD	2117	<LOD	25	<LOD	12	56	2
026-GSS-22	219021	<LOD	52	<LOD	2105	<LOD	24	<LOD	12	13	1
027-GSS-22	219022	<LOD	55	<LOD	2138	<LOD	25	<LOD	12	13	1
028-GSS-22	219023	<LOD	53	<LOD	1948	<LOD	24	<LOD	12	11	1
029-GSS-22	219024	<LOD	57	<LOD	2223	<LOD	26	<LOD	13	13	1
030-GSS-22	219024	<LOD	47	<LOD	1890	<LOD	22	<LOD	11	7	1
031-GSS-22	219026	<LOD	51	<LOD	2157	<LOD	24	<LOD	12	24	2
033-GSS-22	219027	<LOD	44	<LOD	1650	<LOD	22	<LOD	10	12	1
034-GSS-22	219028	<LOD	53	682	174	<LOD	25	<LOD	13	24	1
035-GSS-22	219029	<LOD	45	<LOD	1794	<LOD	21	<LOD	11	23	1
036-GSS-22	219030	<LOD	56	<LOD	2136	<LOD	25	<LOD	12	11	1
036-GSS-22-D	219031	<LOD	54	<LOD	2093	<LOD	24	<LOD	12	11	1
037-GSS-22	219032	<LOD	57	<LOD	2113	<LOD	26	<LOD	13	16	1
038-GSS-22	219033	<LOD	52	644	170	<LOD	26	<LOD	12	19	1
039-GSS-22	219034	<LOD	54	<LOD	2098	<LOD	25	<LOD	12	18	1
040-GSS-22	219035	<LOD	39	<LOD	1361	<LOD	20	<LOD	9	16	1
044-GSS-22	219036	<LOD	55	<LOD	2102	17	4	<LOD	13	19	1
045-GSS-22	219037	<LOD	49	507	155	<LOD	23	<LOD	12	15	1
046-GSS-22	219038	<LOD	51	674	166	<LOD	26	<LOD	12	21	1
047-GSS-22	219039	<LOD	51	<LOD	2196	<LOD	24	<LOD	12	17	1
BLANK	219040										
048-GSS-22	219041	<LOD	47	<LOD	1712	12	4	<LOD	11	17	1
050-GSS-22	219042	<LOD	40	<LOD	1329	<LOD	20	<LOD	9	32	1
051-GSS-22	219043	<LOD	49	<LOD	2139	<LOD	23	<LOD	12	20	1
052-GSS-22	219044	<LOD	55	<LOD	2174	<LOD	26	<LOD	12	13	1
053-GSS-22	219045	<LOD	55	818	190	<LOD	26	<LOD	13	13	1
054-GSS-22	219046	<LOD	49	<LOD	2110	<LOD	25	<LOD	12	22	1
055-GSS-22	219047	<LOD	56	<LOD	2264	<LOD	26	<LOD	13	12	1
059-GSS-22	219048	<LOD	52	<LOD	1902	13	4	<LOD	12	17	1
062-GSS-22	219049	<LOD	56	<LOD	2182	<LOD	26	<LOD	12	16	1
STANDARD - OREAS 46	219050										
063-GSS-22	219051	<LOD	55	<LOD	2220	<LOD	25	<LOD	13	22	1
064-GSS-22	219052	<LOD	53	<LOD	2060	<LOD	24	<LOD	11	14	1
065-GSS-22	219053	<LOD	57	<LOD	2260	<LOD	26	<LOD	13	13	1
066-GSS-22	219054	<LOD	54	574	176	<LOD	24	<LOD	12	13	1
067-GSS-22	219055	<LOD	57	<LOD	2049	<LOD	27	<LOD	13	15	1
068-GSS-22	219056	<LOD	51	<LOD	1999	<LOD	23	<LOD	11	15	1
069-GSS-22	219057	<LOD	51	792	172	<LOD	24	<LOD	12	30	1
070-GSS-22	219058	<LOD	56	<LOD	2076	<LOD	25	<LOD	12	12	1
072-GSS-22	219059	<LOD	55	<LOD	2143	<LOD	25	<LOD	13	11	1
BLANK	219060										
073-GSS-22	219061	35	10	549	153	<LOD	24	<LOD	12	15	1
074-GSS-22	219062	<LOD	54	<LOD	2098	<LOD	25	<LOD	12	10	1
075-GSS-22	219063	51	11	527	161	<LOD	25	<LOD	11	15	1
076-GSS-22	219064	<LOD	55	<LOD	2084	<LOD	24	<LOD	12	9	1
078-GSS-22	219065	<LOD	55	<LOD	2145	<LOD	25	<LOD	12	11	1
079-GSS-22	219066	<LOD	52	<LOD	1958	<LOD	23	<LOD	11	17	1
080-GSS-22	219067	<LOD	52	<LOD	2025	<LOD	24	<LOD	12	12	1
081-GSS-22	219068	<LOD	58	<LOD	2330	<LOD	26	<LOD	13	11	1
082-GSS-22	219069	<LOD	53	<LOD	1871	<LOD	24	<LOD	12	13	1
083-GSS-22	219070	<LOD	49	<LOD	2278	<LOD	24	<LOD	12	8	1
083-GSS-22-D	219071	<LOD	48	<LOD	2093	<LOD	24	<LOD	12	6	1
084-GSS-22	219072	<LOD	53	<LOD	2109	<LOD	24	<LOD	12	18	1
085-GSS-22	219073	<LOD	45	<LOD	1655	<LOD	22	<LOD	11	42	2
087-GSS-22	219074	<LOD	53	<LOD	2055	<LOD	24	<LOD	12	14	1

Station_ID	Sample_ID1	Bi Concentration	Bi Error1s	Th Concentration	Th Error1s	U Concentration	U Error1s	LE Concentration	LE Error1s
002-GSS-22	219001	<LOD	29	<LOD	13	<LOD	8	898268	558
003-GSS-22	219002	<LOD	29	10	3	<LOD	8	908039	1902
004-GSS-22	219003	<LOD	31	14	3	<LOD	9	934347	469
005-GSS-22	219004	<LOD	31	19	3	<LOD	8	915556	1894
006-GSS-22	219005	<LOD	34	10	3	<LOD	10	903510	2211
007-GSS-22	219006	<LOD	35	18	3	4	1	903568	2229
008-GSS-22	219007	<LOD	35	<LOD	16	<LOD	10	889817	2232
009-GSS-22	219008	<LOD	36	17	3	5	1	900837	646
010-GSS-22	219009	<LOD	35	13	3	<LOD	10	903456	2239
012-GSS-22	219010	<LOD	32	<LOD	15	4	1	927602	2195
013-GSS-22	219011	<LOD	36	12	3	<LOD	11	904960	2386
014-GSS-22	219012	<LOD	33	9	3	<LOD	10	930280	2262
015-GSS-22	219013	<LOD	33	<LOD	15	<LOD	10	892943	2038
016-GSS-22	219014	<LOD	35	<LOD	16	<LOD	10	905959	2242
017-GSS-22	219015	<LOD	35	<LOD	16	<LOD	10	886165	2146
018-GSS-22	219016	<LOD	34	<LOD	16	<LOD	10	894569	2083
019-GSS-22	219017	<LOD	33	<LOD	15	4	1	915309	2142
021-GSS-22	219018	<LOD	35	15	3	<LOD	10	861843	2035
022-GSS-22	219019	<LOD	35	12	3	<LOD	10	923006	544
023-GSS-22	219020	<LOD	33	<LOD	15	<LOD	10	901773	2039
026-GSS-22	219021	<LOD	33	<LOD	15	<LOD	10	909962	2168
027-GSS-22	219022	<LOD	35	15	3	<LOD	10	905473	2246
028-GSS-22	219023	<LOD	34	<LOD	15	<LOD	10	925494	2288
029-GSS-22	219024	<LOD	36	<LOD	16	<LOD	11	896839	656
030-GSS-22	219024	<LOD	31	<LOD	14	4	1	917247	2062
031-GSS-22	219026	<LOD	32	15	3	<LOD	9	894140	2047
033-GSS-22	219027	<LOD	32	24	3	5	1	894647	1875
034-GSS-22	219028	<LOD	34	18	3	<LOD	10	890192	666
035-GSS-22	219029	<LOD	31	12	3	5	1	913560	1962
036-GSS-22	219030	<LOD	34	9	3	<LOD	10	859658	1954
036-GSS-22-D	219031	<LOD	34	<LOD	15	<LOD	10	903295	2055
037-GSS-22	219032	<LOD	36	12	3	<LOD	11	897552	2299
038-GSS-22	219033	<LOD	33	<LOD	15	<LOD	10	898228	615
039-GSS-22	219034	<LOD	34	<LOD	16	<LOD	10	916266	2196
040-GSS-22	219035	<LOD	32	42	3	9	1	933285	2186
044-GSS-22	219036	<LOD	35	13	3	4	1	929875	2382
045-GSS-22	219037	<LOD	31	<LOD	14	<LOD	9	913093	1940
046-GSS-22	219038	<LOD	33	<LOD	15	5	1	915870	2138
047-GSS-22	219039	<LOD	33	10	3	4	1	909701	2084
BLANK	219040								
048-GSS-22	219041	<LOD	32	13	3	6	1	927505	494
050-GSS-22	219042	<LOD	30	24	3	8	1	945948	406
051-GSS-22	219043	<LOD	31	<LOD	14	4	1	871781	1783
052-GSS-22	219044	<LOD	34	<LOD	16	<LOD	10	917755	2214
053-GSS-22	219045	<LOD	34	<LOD	16	4	1	842348	1818
054-GSS-22	219046	<LOD	31	<LOD	14	<LOD	9	912510	524
055-GSS-22	219047	<LOD	34	<LOD	16	<LOD	10	909750	585
059-GSS-22	219048	<LOD	34	11	3	5	1	934063	511
062-GSS-22	219049	<LOD	34	<LOD	15	<LOD	10	901475	2093
STANDARD - OREAS 46	219050								
063-GSS-22	219051	<LOD	34	10	3	<LOD	10	921275	549
064-GSS-22	219052	<LOD	32	<LOD	15	<LOD	9	813706	1646
065-GSS-22	219053	<LOD	36	13	3	<LOD	10	901474	2248
066-GSS-22	219054	<LOD	34	<LOD	16	4	1	928222	558
067-GSS-22	219055	<LOD	36	19	3	<LOD	10	908596	606
068-GSS-22	219056	<LOD	32	<LOD	15	<LOD	9	890001	1945
069-GSS-22	219057	<LOD	33	11	3	<LOD	9	877735	2107
070-GSS-22	219058	<LOD	35	13	3	<LOD	11	887154	2265
072-GSS-22	219059	<LOD	34	<LOD	15	<LOD	10	913159	569
BLANK	219060								
073-GSS-22	219061	<LOD	31	<LOD	14	<LOD	9	877271	1912
074-GSS-22	219062	<LOD	34	12	3	<LOD	10	893942	2144
075-GSS-22	219063	<LOD	32	<LOD	15	<LOD	9	915870	556
076-GSS-22	219064	<LOD	34	<LOD	16	<LOD	10	908559	591
078-GSS-22	219065	<LOD	33	<LOD	15	<LOD	10	880751	2036
079-GSS-22	219066	<LOD	33	9	3	4	1	896960	2078
080-GSS-22	219067	<LOD	33	<LOD	15	5	1	865051	2011
081-GSS-22	219068	<LOD	36	15	3	<LOD	11	796347	2020
082-GSS-22	219069	<LOD	35	18	3	5	1	929162	545
083-GSS-22	219070	<LOD	31	16	3	<LOD	9	871509	2104
083-GSS-22-D	219071	<LOD	30	<LOD	14	<LOD	9	780127	1784
084-GSS-22	219072	<LOD	33	<LOD	15	<LOD	10	899080	2097
085-GSS-22	219073	<LOD	33	25	3	6	1	902404	2114
087-GSS-22	219074	<LOD	32	<LOD	15	<LOD	9	898697	1973

Station_ID	Sample_ID1	Easting	Northing	Elevation	Sample Type	Real Time 1	Real Time 2	Units	Au Concentration	Au Error1s	Mg Concentration	Mg Error1s
088-GSS-22	219075	491492.78	5449862.09	416.07	In Situ	15	15	PPM	<LOD	7	<LOD	30740
089-GSS-22	219076	491521.53	5449895.85	421.34	In Situ	15	15	PPM	<LOD	7	10647	2060
090-GSS-22	219077	491569.48	5449859.86	411.01	In Situ	15	15	PPM	<LOD	7	8741	2229
092-GSS-22	219078	491618.55	5449788.42	411.11	In Situ	15	15	PPM	<LOD	6	8508	2119
093-GSS-22	219079	491661.62	5449751.11	421.22	In Situ	15	15	PPM	<LOD	6	<LOD	28337
BLANK	219080											
094-GSS-22	219081	492018.46	5449722.67	392.23	In Situ	15	15	PPM	<LOD	7	10963	2133
095-GSS-22	219082	491977.65	5449761.09	396.92	In Situ	15	15	PPM	<LOD	6	7840	2047
096-GSS-22	219083	491945.44	5449801.27	402.87	In Situ	15	15	PPM	<LOD	7	<LOD	36223
097-GSS-22	219084	491908.84	5449835.79	398.69	In Situ	15	15	PPM	<LOD	7	<LOD	33092
098-GSS-22	219085	491875.83	5449876.74	395.14	In Situ	15	15	PPM	<LOD	6	8711	2348
099-GSS-22	219086	491844.05	5449912.59	409.79	In Situ	15	15	PPM	<LOD	6	7295	1915
100-GSS-22	219087	491811.25	5449946.55	413.46	In Situ	15	15	PPM	<LOD	7	<LOD	29365
101-GSS-22	219088	491781.31	5449994.50	418.48	In Situ	15	15	PPM	<LOD	6	7034	2124
102-GSS-22	219089	491745.02	5450034.91	421.31	In Situ	15	15	PPM	<LOD	6	<LOD	34181
103-GSS-22	219090	491712.63	5450052.42	418.53	In Situ	15	15	PPM	<LOD	6	<LOD	25003
103-GSS-22-D	219091	491712.63	5450052.42	418.53	In Situ	15	15	PPM	<LOD	6	7474	2062
104-GSS-22	219092	491672.67	5450029.01	413.14	In Situ	15	15	PPM	<LOD	7	8729	2260
105-GSS-22	219093	491706.50	5449994.73	420.06	In Situ	15	15	PPM	<LOD	7	7261	2240
106-GSS-22	219094	491687.06	5449715.06	414.44	In Situ	15	15	PPM	<LOD	6	<LOD	23587
107-GSS-22	219095	491726.19	5449672.75	415.40	In Situ	15	15	PPM	<LOD	6	<LOD	36960
108-GSS-22	219096	491758.56	5449639.69	408.88	In Situ	15	15	PPM	<LOD	7	9832	2313
109-GSS-22	219097	491787.49	5449598.84	395.97	In Situ	15	15	PPM	<LOD	7	11962	2234
110-GSS-22	219098	491819.26	5449556.77	401.15	In Situ	15	15	PPM	<LOD	5	10353	1692
111-GSS-22	219099	491867.92	5449600.05	395.85	In Situ	15	15	PPM	<LOD	6	9478	1910
STANDARD - OREAS 46	219100											
112-GSS-22	219101	491831.39	5449629.35	398.44	In Situ	15	15	PPM	<LOD	6	6977	1894
113-GSS-22	219102	491794.79	5449657.09	403.93	In Situ	15	15	PPM	<LOD	6	11150	1804
114-GSS-22	219103	491765.72	5449702.37	407.18	In Situ	15	15	PPM	<LOD	6	9195	1820
115-GSS-22	219104	491727.53	5449737.89	416.20	In Situ	15	15	PPM	<LOD	7	<LOD	28520
116-GSS-22	219105	491696.04	5449777.30	420.06	In Situ	15	15	PPM	<LOD	7	6619	2011
117-GSS-22	219106	491663.89	5449805.13	417.87	In Situ	15	15	PPM	<LOD	7	7417	2036
118-GSS-22	219107	491629.21	5449854.10	401.32	In Situ	15	15	PPM	<LOD	7	8519	2223
120-GSS-22	219108	491562.09	5449930.13	414.10	In Situ	15	15	PPM	<LOD	6	7315	2106
121-GSS-22	219109	491595.64	5449960.76	400.66	In Situ	15	15	PPM	<LOD	7	10814	2354
123-GSS-22	219110	491669.25	5449885.05	417.66	In Situ	15	15	PPM	<LOD	7	9335	2199
123-GSS-22-D	219111	491669.25	5449885.05	417.66	In Situ	15	15	PPM	<LOD	7	9465	2105
124-GSS-22	219112	491692.74	5449858.01	422.26	In Situ	15	15	PPM	<LOD	7	7551	2136
125-GSS-22	219113	491735.37	5449816.48	419.77	In Situ	15	15	PPM	<LOD	6	7796	2131
126-GSS-22	219114	491764.52	5449777.08	415.97	In Situ	15	15	PPM	<LOD	6	6504	2006
127-GSS-22	219115	491796.09	5449743.57	412.17	-	-	-	-	-	-	-	-
128-GSS-22	219116	491834.41	5449698.93	398.51	In Situ	15	15	PPM	<LOD	7	8787	2499
129-GSS-22	219117	491866.62	5449658.76	399.77	In Situ	15	15	PPM	<LOD	5	<LOD	30254
131-GSS-22	219118	491930.59	5449662.66	400.28	In Situ	15	15	PPM	<LOD	7	9891	2115
134-GSS-22	219119	491836.26	5449767.53	404.58	In Situ	15	15	PPM	<LOD	7	7398	2142
BLANK	219120											
135-GSS-22	219121	491797.05	5449804.71	414.65	In Situ	15	15	PPM	<LOD	5	9752	1878
136-GSS-22	219122	491766.87	5449839.22	420.66	In Situ	15	15	PPM	<LOD	5	<LOD	28355
137-GSS-22	219123	491741.38	5449892.51	423.69	In Situ	15	15	PPM	<LOD	5	<LOD	30690
138-GSS-22	219124	491705.58	5449923.24	421.44	In Situ	15	15	PPM	<LOD	7	<LOD	27035
139-GSS-22	219125	491672.79	5449957.09	411.98	In Situ	15	15	PPM	<LOD	7	<LOD	31822
140-GSS-22	219126	491638.38	5449989.27	411.98	In Situ	15	15	PPM	<LOD	7	7405	2175
141-GSS-22	219127	491735.21	5449953.00	418.67	In Situ	15	15	PPM	<LOD	7	8610	2422
142-GSS-22	219128	491766.54	5449913.48	421.43	In Situ	15	15	PPM	<LOD	6	11142	1901
143-GSS-22	219129	491797.16	5449874.97	416.40	In Situ	15	15	PPM	<LOD	6	8247	1817
144-GSS-22	219130	491835.72	5449844.23	408.27	In Situ	15	15	PPM	<LOD	7	<LOD	30271
144-GSS-22-D	219131	491835.72	5449844.23	408.27	In Situ	15	15	PPM	<LOD	7	<LOD	27490
145-GSS-22	219132	491876.30	5449801.81	405.49	In Situ	15	15	PPM	<LOD	7	<LOD	28681
146-GSS-22	219133	491901.61	5449771.43	407.42	In Situ	15	15	PPM	<LOD	7	8172	2259
148-GSS-22	219134	491974.13	5449692.29	404.61	In Situ	15	15	PPM	<LOD	7	8064	2274
149-GSS-22	219135	492330.72	5450005.60	394.04	In Situ	15	15	PPM	<LOD	7	7463	2202
150-GSS-22	219136	492312.02	5449968.39	390.65	In Situ	15	15	PPM	<LOD	7	8142	2355
151-GSS-22	219137	492297.38	5449917.05	389.69	In Situ	15	15	PPM	<LOD	7	7643	2107
152-GSS-22	219138	492281.14	5449867.61	386.06	In Situ	15	15	PPM	<LOD	7	<LOD	37402
154-GSS-22	219139	492309.75	5449800.75	389.90	In Situ	15	15	PPM	<LOD	7	9129	2030
BLANK	219140											
155-GSS-22	219141	492325.62	5449845.97	400.45	In Situ	15	15	PPM	<LOD	7	<LOD	27677
156-GSS-22	219142	492338.44	5449897.99	401.89	In Situ	15	15	PPM	<LOD	7	<LOD	33265
157-GSS-22	219143	492356.86	5449943.87	402.20	In Situ	15	15	PPM	<LOD	7	9890	2193
158-GSS-22	219144	492377.09	5449984.64	403.08	In Situ	15	15	PPM	<LOD	8	8136	2446
159-GSS-22	219145	492468.77	5449956.73	398.27	In Situ	15	15	PPM	<LOD	7	6704	2122
160-GSS-22	219146	492449.76	5449906.05	398.84	In Situ	15	15	PPM	<LOD	7	10317	2244
161-GSS-22	219147	492440.14	5449852.37	403.37	In Situ	15	15	PPM	<LOD	6	6612	2026
162-GSS-22	219148	492409.42	5449811.51	403.32	In Situ	15	15	PPM	<LOD	6	9883	2102
163-GSS-22	219149	492403.46	5449768.93	404.15	In Situ	15	15	PPM	<LOD	7	6950	2115
STANDARD - OREAS 46	219150											
164-GSS-22	219151	492349.86	5449782.91	397.47	In Situ	15	15	PPM	<LOD	7	9290	2433
165-GSS-22	219152	492375.07	5449836.90	394.41	In Situ	15	15	PPM	<LOD	6	11287	1819
166-GSS-22	219153	492392.99	5449890.34	393.63	In Situ	15	15	PPM	<LOD	7	8237	2241
167-GSS-22	219154	492402.88	5449927.80	397.61	In Situ	15	15	PPM	<LOD	6	7747	1973

Station_ID	Sample_ID1	Al Concentration	Al Error1s	Si Concentration	Si Error1s	P Concentration	P Error1s	S Concentration	S Error1s	K Concentration	K Error1s
088-GSS-22	219075	20191	457	41103	321	246	26	3646	53	727	35
089-GSS-22	219076	29017	488	77366	464	705	30	4237	54	2779	39
090-GSS-22	219077	22202	461	52620	377	455	28	2911	49	2331	38
092-GSS-22	219078	22307	445	48995	350	348	25	2478	45	1795	34
093-GSS-22	219079	21901	450	47985	338	352	26	2826	47	1804	35
BLANK	219080										
094-GSS-22	219081	19928	426	40521	314	276	24	3485	48	1520	33
095-GSS-22	219082	20421	418	54441	358	325	24	2628	44	1380	32
096-GSS-22	219083	22269	473	45604	340	277	26	2630	49	646	34
097-GSS-22	219084	18553	427	35648	287	697	29	2992	48	1745	35
098-GSS-22	219085	17978	436	33095	294	233	26	5519	60	1040	34
099-GSS-22	219086	15200	358	34994	265	255	21	2139	38	1193	28
100-GSS-22	219087	23907	487	48436	358	671	31	3307	53	1317	37
101-GSS-22	219088	16334	397	30944	270	143	22	2438	43	1263	31
102-GSS-22	219089	15153	384	27521	242	225	23	2970	44	1120	30
103-GSS-22	219090	15703	386	33049	264	282	24	2730	43	1264	31
103-GSS-22-D	219091	13753	367	25819	238	145	22	2415	41	1070	30
104-GSS-22	219092	15411	403	28333	262	165	24	3088	48	1367	33
105-GSS-22	219093	19570	440	43287	337	574	29	2686	48	1439	35
106-GSS-22	219094	18197	390	38522	280	938	29	2722	42	1250	30
107-GSS-22	219095	13099	366	23289	224	730	27	3097	45	728	29
108-GSS-22	219096	19726	447	38998	322	605	29	4053	54	1324	36
109-GSS-22	219097	21222	444	46317	347	303	25	2205	45	1351	34
110-GSS-22	219098	23862	397	60597	345	391	21	2596	39	1202	28
111-GSS-22	219099	24148	429	54571	352	350	24	7455	62	811	30
STANDARD - OREAS 46	219100										
112-GSS-22	219101	21270	410	47871	327	442	24	2599	42	1339	30
113-GSS-22	219102	24666	421	59846	372	519	24	2802	42	1350	30
114-GSS-22	219103	27013	441	64759	392	384	24	2630	42	1367	31
115-GSS-22	219104	20035	439	41315	313	386	27	5681	59	1487	35
116-GSS-22	219105	27436	473	60062	403	599	27	2397	45	1190	33
117-GSS-22	219106	21413	432	45044	331	313	24	3617	48	1723	33
118-GSS-22	219107	18868	432	38981	315	255	25	2646	46	1840	35
120-GSS-22	219108	18212	413	36838	296	228	24	3983	50	1188	32
121-GSS-22	219109	21444	466	42808	341	292	27	4566	57	1303	37
123-GSS-22	219110	15221	397	29437	266	198	23	4163	51	1661	34
123-GSS-22-D	219111	19121	420	38523	305	334	24	2662	45	1741	34
124-GSS-22	219112	17325	409	33029	285	289	24	3409	48	1046	32
125-GSS-22	219113	16895	404	35364	291	205	24	2487	44	1036	32
126-GSS-22	219114	24122	448	56214	372	588	27	3046	47	1341	33
127-GSS-22	219115	-	-	-	-	-	-	-	-	-	-
128-GSS-22	219116	17789	452	34094	313	260	27	3494	54	953	36
129-GSS-22	219117	17507	376	34934	259	314	22	4522	47	568	28
131-GSS-22	219118	26330	478	63782	415	343	26	2733	48	2588	39
134-GSS-22	219119	15691	396	27347	253	200	23	2597	44	1729	33
BLANK	219120										
135-GSS-22	219121	15413	353	31834	248	197	20	1926	37	882	27
136-GSS-22	219122	13939	348	28483	232	283	22	2675	40	400	26
137-GSS-22	219123	14887	352	32722	246	197	20	2203	38	852	27
138-GSS-22	219124	25640	479	59126	385	396	27	3034	50	2103	38
139-GSS-22	219125	18815	454	34021	296	317	27	2840	50	1814	37
140-GSS-22	219126	19909	435	40904	321	282	25	2500	45	1666	34
141-GSS-22	219127	17750	441	35634	311	274	26	4432	56	736	34
142-GSS-22	219128	32600	487	97597	513	457	27	2237	45	1974	36
143-GSS-22	219129	23449	416	58330	355	413	24	3219	44	1527	30
144-GSS-22	219130	17872	428	36344	295	279	26	3894	52	1795	36
144-GSS-22-D	219131	19132	435	44524	325	261	26	3769	51	1812	36
145-GSS-22	219132	18932	421	38377	295	264	24	2846	45	1763	34
146-GSS-22	219133	20958	450	37970	313	196	24	3048	49	1328	34
148-GSS-22	219134	12959	382	23889	242	206	24	2654	45	1395	33
149-GSS-22	219135	20718	447	48986	360	273	25	3006	49	1851	36
150-GSS-22	219136	16591	428	35905	311	175	25	3493	52	1572	36
151-GSS-22	219137	20642	434	45476	338	215	24	3276	48	1790	34
152-GSS-22	219138	16843	427	37175	300	204	25	3081	50	1102	35
154-GSS-22	219139	28422	481	75575	459	475	27	1977	44	2447	37
BLANK	219140										
155-GSS-22	219141	21701	442	46267	331	307	25	2706	46	1645	34
156-GSS-22	219142	18317	424	38026	298	306	25	2792	47	1427	33
157-GSS-22	219143	19406	433	39086	312	258	25	2775	46	1899	35
158-GSS-22	219144	22665	495	50225	392	232	28	3045	54	1886	40
159-GSS-22	219145	20187	435	44036	333	292	25	3494	49	1707	35
160-GSS-22	219146	18596	431	37931	312	213	24	3199	49	1439	35
161-GSS-22	219147	20939	426	46965	331	276	23	2835	45	1339	32
162-GSS-22	219148	19530	420	39766	308	283	24	2813	45	1464	32
163-GSS-22	219149	16717	403	30054	265	227	23	4063	50	1590	33
STANDARD - OREAS 46	219150										
164-GSS-22	219151	21407	479	44024	357	250	27	3880	56	1693	39
165-GSS-22	219152	30741	461	78913	437	347	24	2548	43	1251	31
166-GSS-22	219153	13839	392	24998	248	172	24	4125	52	1644	34
167-GSS-22	219154	10942	332	18319	195	151	20	3716	45	970	28

Station_ID	Sample_ID1	Ca Concentration	Ca Error1s	Ti Concentration	Ti Error1s	V Concentration	V Error1s	Cr Concentration	Cr Error1s	Mn Concentration	Mn Error1s
088-GSS-22	219075	7379	46	2388	96	<LOD	124	<LOD	61	425	15
089-GSS-22	219076	10291	59	2378	99	<LOD	139	47	14	1030	22
090-GSS-22	219077	7030	47	2352	103	<LOD	142	40	13	249	14
092-GSS-22	219078	7048	45	1966	95	<LOD	137	<LOD	65	1486	24
093-GSS-22	219079	6979	44	2053	99	<LOD	135	<LOD	66	873	20
BLANK	219080										
094-GSS-22	219081	7448	47	2613	95	<LOD	139	<LOD	63	1612	25
095-GSS-22	219082	6045	39	1178	78	<LOD	98	<LOD	48	325	12
096-GSS-22	219083	3722	34	2351	102	<LOD	131	<LOD	62	173	12
097-GSS-22	219084	6857	43	2147	100	<LOD	135	<LOD	62	265	13
098-GSS-22	219085	9851	59	1760	92	<LOD	124	<LOD	61	302	14
099-GSS-22	219086	5702	35	1322	73	<LOD	94	<LOD	48	417	13
100-GSS-22	219087	8077	51	1979	100	<LOD	144	<LOD	71	757	19
101-GSS-22	219088	5672	39	1770	85	<LOD	131	<LOD	64	1797	25
102-GSS-22	219089	6061	37	1806	82	<LOD	104	<LOD	50	812	17
103-GSS-22	219090	10743	53	1411	81	<LOD	110	<LOD	55	1941	26
103-GSS-22-D	219091	10305	56	1557	84	<LOD	117	<LOD	58	1374	22
104-GSS-22	219092	8310	51	1676	93	<LOD	128	<LOD	63	333	14
105-GSS-22	219093	11182	65	1790	95	91	27	<LOD	66	531	17
106-GSS-22	219094	7684	43	1961	81	<LOD	119	<LOD	60	2578	29
107-GSS-22	219095	6529	39	2254	86	<LOD	116	<LOD	56	380	13
108-GSS-22	219096	8612	54	2043	96	<LOD	135	<LOD	64	452	15
109-GSS-22	219097	5900	42	1969	93	<LOD	134	<LOD	68	598	17
110-GSS-22	219098	2633	25	1008	69	<LOD	82	<LOD	42	108	8
111-GSS-22	219099	9353	51	1482	87	82	25	<LOD	57	258	12
STANDARD - OREAS 46	219100										
112-GSS-22	219101	5347	36	1661	84	<LOD	121	<LOD	59	1084	19
113-GSS-22	219102	4811	34	2771	90	120	25	48	12	528	15
114-GSS-22	219103	7198	43	2323	89	<LOD	130	38	12	2614	30
115-GSS-22	219104	8862	50	1980	97	89	27	<LOD	63	430	15
116-GSS-22	219105	5169	38	3652	102	154	28	40	13	1210	22
117-GSS-22	219106	7872	48	2187	94	79	26	<LOD	65	303	14
118-GSS-22	219107	7467	49	2155	98	108	28	<LOD	67	774	19
120-GSS-22	219108	8975	53	1957	91	<LOD	129	<LOD	65	285	13
121-GSS-22	219109	8444	54	2012	98	<LOD	124	<LOD	62	258	14
123-GSS-22	219110	7914	50	2202	95	<LOD	136	<LOD	65	303	14
123-GSS-22-D	219111	6679	44	2186	93	<LOD	137	<LOD	67	346	14
124-GSS-22	219112	7082	46	2704	95	121	27	<LOD	69	241	13
125-GSS-22	219113	8969	53	1918	89	83	25	<LOD	64	3643	37
126-GSS-22	219114	7188	45	1860	88	<LOD	116	<LOD	57	1298	22
127-GSS-22	219115	-	-	-	-	-	-	-	-	-	-
128-GSS-22	219116	7403	51	1831	96	100	27	<LOD	67	283	14
129-GSS-22	219117	6722	38	881	70	69	20	<LOD	47	271	11
131-GSS-22	219118	7917	50	2494	104	<LOD	141	54	14	259	14
134-GSS-22	219119	7284	46	2372	94	101	27	<LOD	65	864	19
BLANK	219120										
135-GSS-22	219121	7351	40	875	68	<LOD	83	<LOD	43	484	13
136-GSS-22	219122	8037	41	639	67	61	20	<LOD	46	1529	21
137-GSS-22	219123	5566	33	991	70	<LOD	91	<LOD	45	935	17
138-GSS-22	219124	5810	41	2510	103	<LOD	145	<LOD	68	291	15
139-GSS-22	219125	7254	47	2139	102	<LOD	145	<LOD	69	1136	22
140-GSS-22	219126	6210	42	2327	95	<LOD	136	<LOD	66	417	15
141-GSS-22	219127	4571	38	1590	87	<LOD	110	<LOD	54	112	11
142-GSS-22	219128	6904	44	1826	89	<LOD	112	<LOD	56	821	19
143-GSS-22	219129	8020	44	1271	76	<LOD	95	<LOD	48	2460	28
144-GSS-22	219130	9275	52	2426	98	<LOD	128	<LOD	63	559	16
144-GSS-22-D	219131	10016	55	1990	99	<LOD	134	<LOD	62	596	17
145-GSS-22	219132	7766	45	1857	92	102	26	<LOD	65	1020	20
146-GSS-22	219133	6498	45	1765	95	<LOD	136	<LOD	67	649	18
148-GSS-22	219134	7910	50	1907	94	<LOD	134	<LOD	62	260	13
149-GSS-22	219135	5530	41	2131	98	<LOD	135	<LOD	64	285	14
150-GSS-22	219136	7828	52	1992	98	108	27	<LOD	71	1201	23
151-GSS-22	219137	7506	47	2108	96	<LOD	136	40	13	347	14
152-GSS-22	219138	6485	42	2196	101	<LOD	133	<LOD	63	176	12
154-GSS-22	219139	7306	47	2345	100	<LOD	141	<LOD	68	454	16
BLANK	219140										
155-GSS-22	219141	6353	41	2428	94	95	27	<LOD	68	753	19
156-GSS-22	219142	6672	42	2328	98	<LOD	133	<LOD	65	382	14
157-GSS-22	219143	7245	47	2112	99	91	28	52	13	289	14
158-GSS-22	219144	8797	59	2100	107	<LOD	147	<LOD	70	616	19
159-GSS-22	219145	8546	52	1990	96	<LOD	137	<LOD	66	595	17
160-GSS-22	219146	7062	47	2329	98	<LOD	141	44	13	235	13
161-GSS-22	219147	4304	34	1197	76	<LOD	98	<LOD	49	1010	19
162-GSS-22	219148	6134	42	2258	93	<LOD	133	<LOD	63	278	13
163-GSS-22	219149	8492	51	2062	94	92	27	<LOD	64	681	17
STANDARD - OREAS 46	219150										
164-GSS-22	219151	8790	57	1808	101	<LOD	138	<LOD	68	278	15
165-GSS-22	219152	7310	43	1303	85	<LOD	116	<LOD	60	279	13
166-GSS-22	219153	9603	57	2201	97	92	27	<LOD	64	1039	21
167-GSS-22	219154	6258	39	2094	85	<LOD	117	<LOD	56	2639	29

Station_ID	Sample_ID1	Fe Concentration	Fe Error1s	Co Concentration	Co Error1s	Ni Concentration	Ni Error1s	Cu Concentration	Cu Error1s	Zn Concentration	Zn Error1s
088-GSS-22	219075	15114	80	248	17	17	3	45	3	49	2
089-GSS-22	219076	21406	111	106	19	17	3	18	3	94	3
090-GSS-22	219077	19846	107	83	18	28	3	20	3	51	3
092-GSS-22	219078	22301	115	109	19	24	3	24	3	94	3
093-GSS-22	219079	20647	101	107	18	20	3	16	3	84	3
BLANK	219080										
094-GSS-22	219081	25797	131	150	20	14	3	28	3	169	4
095-GSS-22	219082	10546	61	69	13	<LOD	11	24	2	127	3
096-GSS-22	219083	13331	73	194	16	17	3	13	3	47	3
097-GSS-22	219084	14990	78	96	16	9	3	<LOD	13	34	2
098-GSS-22	219085	16656	95	132	17	14	3	10	3	44	3
099-GSS-22	219086	10523	57	46	12	<LOD	10	27	2	76	2
100-GSS-22	219087	25798	128	157	21	27	3	28	3	99	3
101-GSS-22	219088	25231	128	148	19	20	3	62	3	98	3
102-GSS-22	219089	11581	61	71	13	<LOD	11	22	2	81	3
103-GSS-22	219090	14259	72	59	15	10	3	20	3	124	3
103-GSS-22-D	219091	16759	88	100	16	20	3	21	3	108	3
104-GSS-22	219092	18301	100	130	17	15	3	12	3	57	3
105-GSS-22	219093	22052	119	107	19	23	3	24	3	56	3
106-GSS-22	219094	21752	99	122	18	19	3	26	3	210	4
107-GSS-22	219095	15732	77	89	15	14	3	15	3	92	3
108-GSS-22	219096	18983	105	157	18	22	3	15	3	54	3
109-GSS-22	219097	22136	117	188	19	29	3	18	3	54	3
110-GSS-22	219098	8838	48	58	11	<LOD	9	15	2	60	2
111-GSS-22	219099	16474	85	206	16	25	3	18	3	48	2
STANDARD - OREAS 46	219100										
112-GSS-22	219101	20940	103	158	17	22	3	24	3	117	3
113-GSS-22	219102	37086	168	180	22	51	4	23	3	112	3
114-GSS-22	219103	29985	139	167	21	51	4	28	3	97	3
115-GSS-22	219104	16911	86	119	17	18	3	12	3	56	3
116-GSS-22	219105	37646	184	185	24	47	4	33	4	135	4
117-GSS-22	219106	22869	117	146	19	27	3	20	3	55	3
118-GSS-22	219107	21162	113	124	18	29	3	24	3	53	3
120-GSS-22	219108	21959	114	135	18	21	3	20	3	65	3
121-GSS-22	219109	11409	71	55	14	10	3	<LOD	13	42	2
123-GSS-22	219110	20707	110	107	18	21	3	15	3	69	3
123-GSS-22-D	219111	26435	134	147	20	22	3	20	3	67	3
124-GSS-22	219112	30216	153	143	21	21	3	<LOD	13	60	3
125-GSS-22	219113	21623	113	74	19	37	3	69	4	113	3
126-GSS-22	219114	15978	85	60	16	13	3	24	3	99	3
127-GSS-22	219115	-	-	-	-	-	-	-	-	-	-
128-GSS-22	219116	23494	132	186	20	25	3	36	3	60	3
129-GSS-22	219117	10573	54	97	12	<LOD	10	21	2	75	2
131-GSS-22	219118	17283	94	136	17	19	3	9	3	47	3
134-GSS-22	219119	22189	116	141	18	27	3	16	3	83	3
BLANK	219120										
135-GSS-22	219121	8158	47	40	10	<LOD	10	21	2	61	2
136-GSS-22	219122	9191	49	68	11	<LOD	10	19	2	178	3
137-GSS-22	219123	10014	52	60	11	<LOD	10	15	2	115	3
138-GSS-22	219124	20560	102	160	19	27	3	14	3	49	3
139-GSS-22	219125	19962	103	106	19	17	3	11	3	58	3
140-GSS-22	219126	22867	120	104	19	23	3	12	3	124	4
141-GSS-22	219127	13521	80	86	15	<LOD	12	38	3	50	2
142-GSS-22	219128	13725	74	58	15	10	3	13	3	94	3
143-GSS-22	219129	11571	62	61	13	<LOD	11	19	2	130	3
144-GSS-22	219130	17947	92	107	17	19	3	15	3	63	3
144-GSS-22-D	219131	17311	89	143	17	16	3	18	3	64	3
145-GSS-22	219132	20950	101	103	18	27	3	20	3	54	3
146-GSS-22	219133	23585	125	161	20	26	3	18	3	60	3
148-GSS-22	219134	18602	102	103	17	18	3	<LOD	13	53	3
149-GSS-22	219135	18983	103	107	18	15	3	15	3	53	3
150-GSS-22	219136	25945	141	160	21	28	3	21	3	68	3
151-GSS-22	219137	23656	122	186	19	27	3	17	3	91	3
152-GSS-22	219138	11297	65	65	14	10	3	<LOD	13	29	2
154-GSS-22	219139	25879	130	141	21	24	3	24	3	72	3
BLANK	219140										
155-GSS-22	219141	26425	124	108	20	28	3	25	3	87	3
156-GSS-22	219142	17728	89	109	17	24	3	17	3	46	3
157-GSS-22	219143	19234	104	131	18	25	3	10	3	46	3
158-GSS-22	219144	19867	116	142	20	27	3	15	3	73	3
159-GSS-22	219145	23464	122	157	19	27	3	19	3	57	3
160-GSS-22	219146	24214	128	99	20	25	3	15	3	63	3
161-GSS-22	219147	10923	62	40	13	<LOD	11	17	2	143	3
162-GSS-22	219148	21462	110	122	18	24	3	14	3	66	3
163-GSS-22	219149	20650	108	110	18	25	3	13	3	61	3
STANDARD - OREAS 46	219150										
164-GSS-22	219151	18479	107	145	18	22	3	12	3	47	3
165-GSS-22	219152	19366	94	213	17	29	3	11	3	56	3
166-GSS-22	219153	21739	117	145	19	28	3	16	3	80	3
167-GSS-22	219154	14979	78	47	14	19	3	52	3	162	3

Station_ID	Sample_ID1	As Concentration	As Error1s	Se Concentration	Se Error1s	Rb Concentration	Rb Error1s	Sr Concentration	Sr Error1s	Y Concentration	Y Error1s
088-GSS-22	219075	3	1	<LOD	3	13	1	132	1	10	1
089-GSS-22	219076	<LOD	5	<LOD	3	53	1	286	2	11	1
090-GSS-22	219077	<LOD	5	2	1	31	1	278	2	12	1
092-GSS-22	219078	<LOD	5	2	1	48	1	225	2	11	1
093-GSS-22	219079	5	1	<LOD	3	45	1	254	2	10	1
BLANK	219080										
094-GSS-22	219081	4	1	<LOD	3	65	1	167	2	14	1
095-GSS-22	219082	8	1	<LOD	3	24	1	55	1	6	1
096-GSS-22	219083	3	1	<LOD	3	25	1	211	2	7	1
097-GSS-22	219084	<LOD	5	<LOD	3	35	1	311	2	11	1
098-GSS-22	219085	<LOD	5	<LOD	3	35	1	249	2	6	1
099-GSS-22	219086	6	1	<LOD	2	28	1	67	1	7	1
100-GSS-22	219087	4	1	<LOD	3	33	1	197	2	11	1
101-GSS-22	219088	4	1	2	1	61	1	95	1	16	1
102-GSS-22	219089	10	1	<LOD	3	28	1	111	1	8	1
103-GSS-22	219090	4	1	<LOD	3	41	1	154	1	5	1
103-GSS-22-D	219091	3	1	<LOD	3	49	1	187	2	7	1
104-GSS-22	219092	<LOD	5	<LOD	3	42	1	311	2	7	1
105-GSS-22	219093	3	1	<LOD	3	39	1	287	2	8	1
106-GSS-22	219094	10	1	<LOD	3	37	1	82	1	11	1
107-GSS-22	219095	10	1	<LOD	3	19	1	109	1	14	1
108-GSS-22	219096	<LOD	5	<LOD	3	41	1	267	2	10	1
109-GSS-22	219097	3	1	<LOD	3	38	1	255	2	11	1
110-GSS-22	219098	10	1	<LOD	2	17	1	37	1	4	1
111-GSS-22	219099	<LOD	5	<LOD	3	26	1	300	2	9	1
STANDARD - OREAS 46	219100										
112-GSS-22	219101	9	1	<LOD	3	39	1	171	2	12	1
113-GSS-22	219102	5	1	<LOD	3	18	1	128	1	17	1
114-GSS-22	219103	8	1	<LOD	3	37	1	97	1	14	1
115-GSS-22	219104	<LOD	6	<LOD	3	45	1	232	2	9	1
116-GSS-22	219105	<LOD	5	<LOD	3	26	1	159	2	18	1
117-GSS-22	219106	5	1	<LOD	3	35	1	301	2	9	1
118-GSS-22	219107	<LOD	5	<LOD	3	45	1	262	2	10	1
120-GSS-22	219108	4	1	<LOD	3	41	1	323	2	8	1
121-GSS-22	219109	<LOD	5	<LOD	3	33	1	254	2	6	1
123-GSS-22	219110	5	1	<LOD	3	43	1	316	2	11	1
123-GSS-22-D	219111	7	1	<LOD	3	42	1	305	2	9	1
124-GSS-22	219112	6	1	<LOD	3	29	1	264	2	12	1
125-GSS-22	219113	4	1	<LOD	3	36	1	140	2	14	1
126-GSS-22	219114	8	1	<LOD	3	36	1	89	1	10	1
127-GSS-22	219115	-	-	-	-	-	-	-	-	-	-
128-GSS-22	219116	6	1	<LOD	3	26	1	216	2	10	1
129-GSS-22	219117	6	1	2	0	25	1	51	1	6	1
131-GSS-22	219118	<LOD	5	<LOD	3	47	1	282	2	11	1
134-GSS-22	219119	<LOD	5	<LOD	3	54	1	265	2	11	1
BLANK	219120										
135-GSS-22	219121	7	1	<LOD	2	19	1	39	1	4	1
136-GSS-22	219122	5	1	<LOD	2	25	1	75	1	4	1
137-GSS-22	219123	8	1	2	0	21	1	54	1	4	1
138-GSS-22	219124	<LOD	5	<LOD	3	37	1	280	2	8	1
139-GSS-22	219125	<LOD	5	<LOD	3	45	1	274	2	12	1
140-GSS-22	219126	<LOD	5	<LOD	3	42	1	297	2	10	1
141-GSS-22	219127	7	2	<LOD	3	12	1	71	1	4	1
142-GSS-22	219128	9	1	<LOD	3	25	1	70	1	6	1
143-GSS-22	219129	10	1	<LOD	3	44	1	67	1	6	1
144-GSS-22	219130	6	1	<LOD	3	47	1	249	2	10	1
144-GSS-22-D	219131	<LOD	5	<LOD	3	45	1	240	2	12	1
145-GSS-22	219132	4	1	<LOD	3	40	1	271	2	10	1
146-GSS-22	219133	<LOD	5	<LOD	3	38	1	257	2	9	1
148-GSS-22	219134	<LOD	5	<LOD	3	37	1	325	2	10	1
149-GSS-22	219135	<LOD	5	<LOD	3	40	1	292	2	9	1
150-GSS-22	219136	4	1	<LOD	3	41	1	250	2	11	1
151-GSS-22	219137	3	1	<LOD	3	49	1	292	2	12	1
152-GSS-22	219138	<LOD	5	<LOD	3	33	1	275	2	6	1
154-GSS-22	219139	4	1	<LOD	3	49	1	304	2	12	1
BLANK	219140										
155-GSS-22	219141	6	1	<LOD	3	35	1	283	2	11	1
156-GSS-22	219142	<LOD	5	<LOD	3	30	1	266	2	11	1
157-GSS-22	219143	<LOD	5	<LOD	3	45	1	297	2	10	1
158-GSS-22	219144	4	1	<LOD	3	43	1	282	2	9	1
159-GSS-22	219145	4	1	<LOD	3	38	1	325	2	9	1
160-GSS-22	219146	<LOD	5	<LOD	3	38	1	273	2	9	1
161-GSS-22	219147	12	1	<LOD	3	22	1	59	1	<LOD	5
162-GSS-22	219148	4	1	<LOD	3	37	1	282	2	10	1
163-GSS-22	219149	4	1	<LOD	3	41	1	316	2	11	1
STANDARD - OREAS 46	219150										
164-GSS-22	219151	<LOD	5	<LOD	3	49	1	257	2	10	1
165-GSS-22	219152	<LOD	4	<LOD	3	36	1	243	2	8	1
166-GSS-22	219153	<LOD	5	<LOD	3	55	1	305	2	9	1
167-GSS-22	219154	6	1	<LOD	3	55	1	140	1	14	1

Station_ID	Sample_ID1	Zr Concentration	Zr Error1s	Nb Concentration	Nb Error1s	Mo Concentration	Mo Error1s	Ag Concentration	Ag Error1s	Cd Concentration	Cd Error1s
088-GSS-22	219075	63	1	<LOD	6	<LOD	8	<LOD	26	<LOD	28
089-GSS-22	219076	140	2	<LOD	6	<LOD	8	<LOD	27	<LOD	29
090-GSS-22	219077	164	2	<LOD	6	<LOD	8	<LOD	27	20	6
092-GSS-22	219078	142	2	<LOD	6	<LOD	8	<LOD	26	<LOD	28
093-GSS-22	219079	145	2	<LOD	6	6	2	<LOD	27	<LOD	29
BLANK	219080										
094-GSS-22	219081	201	2	7	1	6	2	<LOD	26	<LOD	28
095-GSS-22	219082	52	1	<LOD	6	5	1	<LOD	23	<LOD	25
096-GSS-22	219083	119	2	<LOD	6	<LOD	9	<LOD	27	<LOD	29
097-GSS-22	219084	153	2	<LOD	6	<LOD	8	<LOD	27	<LOD	29
098-GSS-22	219085	103	2	<LOD	6	<LOD	8	<LOD	27	<LOD	29
099-GSS-22	219086	61	1	<LOD	5	<LOD	7	<LOD	22	<LOD	24
100-GSS-22	219087	130	2	7	1	7	2	<LOD	28	<LOD	30
101-GSS-22	219088	130	2	7	1	7	2	<LOD	25	<LOD	27
102-GSS-22	219089	107	1	5	1	<LOD	8	<LOD	24	<LOD	25
103-GSS-22	219090	68	1	<LOD	6	6	1	<LOD	24	<LOD	25
103-GSS-22-D	219091	93	2	<LOD	6	6	1	<LOD	24	<LOD	26
104-GSS-22	219092	135	2	<LOD	6	<LOD	8	<LOD	27	<LOD	29
105-GSS-22	219093	121	2	4	1	<LOD	9	<LOD	27	<LOD	30
106-GSS-22	219094	90	1	<LOD	6	<LOD	8	<LOD	23	<LOD	25
107-GSS-22	219095	111	2	<LOD	6	5	1	<LOD	24	<LOD	26
108-GSS-22	219096	161	2	<LOD	6	<LOD	9	<LOD	27	<LOD	29
109-GSS-22	219097	128	2	<LOD	6	<LOD	8	<LOD	27	<LOD	29
110-GSS-22	219098	37	1	<LOD	5	6	1	<LOD	21	<LOD	22
111-GSS-22	219099	129	2	<LOD	6	<LOD	8	<LOD	25	<LOD	27
STANDARD - OREAS 46	219100										
112-GSS-22	219101	112	2	<LOD	6	<LOD	8	<LOD	24	<LOD	26
113-GSS-22	219102	152	2	4	1	<LOD	7	<LOD	24	<LOD	26
114-GSS-22	219103	129	2	<LOD	6	<LOD	8	<LOD	24	<LOD	26
115-GSS-22	219104	171	2	<LOD	6	<LOD	9	<LOD	27	<LOD	29
116-GSS-22	219105	202	2	9	1	<LOD	8	<LOD	26	<LOD	27
117-GSS-22	219106	136	2	<LOD	6	5	2	<LOD	26	<LOD	28
118-GSS-22	219107	168	2	<LOD	6	6	2	<LOD	27	<LOD	29
120-GSS-22	219108	123	2	<LOD	6	5	2	<LOD	26	<LOD	28
121-GSS-22	219109	123	2	<LOD	6	<LOD	9	<LOD	27	<LOD	29
123-GSS-22	219110	129	2	<LOD	6	<LOD	8	<LOD	27	<LOD	29
123-GSS-22-D	219111	129	2	<LOD	6	<LOD	8	<LOD	26	<LOD	28
124-GSS-22	219112	160	2	4	1	6	2	<LOD	26	<LOD	28
125-GSS-22	219113	131	2	5	1	<LOD	8	<LOD	25	<LOD	27
126-GSS-22	219114	105	2	<LOD	6	<LOD	8	<LOD	24	<LOD	26
127-GSS-22	219115	-	-	-	-	-	-	-	-	-	-
128-GSS-22	219116	123	2	<LOD	7	7	2	<LOD	28	<LOD	30
129-GSS-22	219117	54	1	<LOD	6	5	1	<LOD	22	<LOD	24
131-GSS-22	219118	192	2	<LOD	6	6	2	<LOD	28	<LOD	30
134-GSS-22	219119	189	2	<LOD	6	<LOD	8	<LOD	26	<LOD	28
BLANK	219120										
135-GSS-22	219121	37	1	<LOD	5	<LOD	7	<LOD	21	<LOD	23
136-GSS-22	219122	38	1	<LOD	5	4	1	<LOD	22	<LOD	23
137-GSS-22	219123	43	1	<LOD	5	6	1	<LOD	22	<LOD	23
138-GSS-22	219124	170	2	<LOD	6	<LOD	9	<LOD	28	<LOD	30
139-GSS-22	219125	143	2	<LOD	6	5	2	<LOD	28	<LOD	30
140-GSS-22	219126	142	2	4	1	<LOD	8	<LOD	27	<LOD	29
141-GSS-22	219127	64	1	<LOD	6	<LOD	8	<LOD	25	<LOD	27
142-GSS-22	219128	63	1	<LOD	6	<LOD	8	<LOD	24	<LOD	26
143-GSS-22	219129	63	1	<LOD	6	<LOD	7	<LOD	23	<LOD	24
144-GSS-22	219130	168	2	<LOD	6	6	2	<LOD	27	<LOD	29
144-GSS-22-D	219131	162	2	<LOD	6	6	2	<LOD	27	<LOD	29
145-GSS-22	219132	133	2	<LOD	6	6	2	<LOD	27	<LOD	29
146-GSS-22	219133	127	2	<LOD	6	<LOD	8	<LOD	27	<LOD	29
148-GSS-22	219134	154	2	<LOD	6	<LOD	8	<LOD	27	<LOD	29
149-GSS-22	219135	138	2	<LOD	6	6	2	<LOD	27	<LOD	29
150-GSS-22	219136	125	2	<LOD	6	<LOD	9	<LOD	28	<LOD	30
151-GSS-22	219137	172	2	6	1	<LOD	8	<LOD	27	18	6
152-GSS-22	219138	137	2	<LOD	6	<LOD	9	<LOD	28	<LOD	30
154-GSS-22	219139	151	2	<LOD	6	<LOD	8	<LOD	27	<LOD	29
BLANK	219140										
155-GSS-22	219141	151	2	<LOD	6	8	2	<LOD	27	<LOD	29
156-GSS-22	219142	149	2	3	1	<LOD	8	<LOD	26	<LOD	29
157-GSS-22	219143	157	2	<LOD	6	<LOD	8	<LOD	27	<LOD	29
158-GSS-22	219144	166	2	<LOD	7	<LOD	9	<LOD	30	<LOD	32
159-GSS-22	219145	130	2	<LOD	6	<LOD	8	<LOD	27	<LOD	29
160-GSS-22	219146	172	2	7	1	<LOD	8	<LOD	27	<LOD	30
161-GSS-22	219147	41	1	<LOD	6	<LOD	8	<LOD	23	<LOD	24
162-GSS-22	219148	146	2	4	1	<LOD	8	<LOD	26	<LOD	28
163-GSS-22	219149	116	2	<LOD	6	<LOD	8	<LOD	26	<LOD	28
STANDARD - OREAS 46	219150										
164-GSS-22	219151	142	2	<LOD	7	<LOD	9	<LOD	28	<LOD	31
165-GSS-22	219152	102	2	<LOD	6	<LOD	8	<LOD	25	<LOD	27
166-GSS-22	219153	147	2	4	1	<LOD	8	<LOD	27	<LOD	29
167-GSS-22	219154	154	2	5	1	<LOD	8	<LOD	24	<LOD	25

Station_ID	Sample_ID1	Sn Concentration	Sn Error1s	Sb Concentration	Sb Error1s	Ba Concentration	Ba Error1s	W Concentration	W Error1s	Hg Concentration	Hg Error1s
088-GSS-22	219075	<LOD	37	<LOD	51	<LOD	1906	<LOD	24	<LOD	12
089-GSS-22	219076	<LOD	39	<LOD	55	<LOD	2131	16	5	<LOD	13
090-GSS-22	219077	<LOD	40	<LOD	57	<LOD	2208	<LOD	25	<LOD	12
092-GSS-22	219078	<LOD	37	<LOD	52	<LOD	2179	<LOD	24	<LOD	12
093-GSS-22	219079	<LOD	39	<LOD	54	<LOD	2238	<LOD	25	<LOD	12
BLANK	219080										
094-GSS-22	219081	<LOD	37	<LOD	51	<LOD	2154	<LOD	26	<LOD	12
095-GSS-22	219082	<LOD	32	<LOD	44	<LOD	1597	<LOD	22	<LOD	10
096-GSS-22	219083	<LOD	39	<LOD	56	<LOD	2031	<LOD	25	<LOD	12
097-GSS-22	219084	<LOD	39	<LOD	55	<LOD	2125	<LOD	24	<LOD	12
098-GSS-22	219085	<LOD	39	<LOD	54	<LOD	2010	<LOD	23	<LOD	12
099-GSS-22	219086	<LOD	31	<LOD	42	<LOD	1523	<LOD	20	<LOD	9
100-GSS-22	219087	<LOD	40	<LOD	56	<LOD	2312	<LOD	27	<LOD	13
101-GSS-22	219088	<LOD	35	<LOD	49	<LOD	2054	<LOD	23	<LOD	12
102-GSS-22	219089	<LOD	33	<LOD	45	<LOD	1638	<LOD	22	<LOD	11
103-GSS-22	219090	<LOD	33	<LOD	45	<LOD	1782	<LOD	22	<LOD	11
103-GSS-22-D	219091	<LOD	34	<LOD	47	<LOD	1873	<LOD	23	<LOD	11
104-GSS-22	219092	<LOD	39	33	11	512	167	<LOD	24	<LOD	12
105-GSS-22	219093	<LOD	40	<LOD	56	<LOD	2163	<LOD	26	<LOD	13
106-GSS-22	219094	<LOD	33	<LOD	45	431	143	<LOD	24	<LOD	11
107-GSS-22	219095	<LOD	33	<LOD	46	<LOD	1798	<LOD	22	<LOD	11
108-GSS-22	219096	<LOD	39	<LOD	55	<LOD	2091	<LOD	26	<LOD	13
109-GSS-22	219097	<LOD	39	<LOD	55	<LOD	2097	<LOD	26	<LOD	12
110-GSS-22	219098	<LOD	28	<LOD	39	<LOD	1353	<LOD	18	<LOD	9
111-GSS-22	219099	<LOD	36	<LOD	50	<LOD	1868	<LOD	22	<LOD	11
STANDARD - OREAS 46	219100										
112-GSS-22	219101	<LOD	34	<LOD	48	496	152	<LOD	23	<LOD	11
113-GSS-22	219102	<LOD	35	<LOD	50	<LOD	2056	<LOD	23	<LOD	11
114-GSS-22	219103	<LOD	34	<LOD	48	<LOD	2058	<LOD	23	<LOD	11
115-GSS-22	219104	<LOD	39	<LOD	55	<LOD	2063	<LOD	25	<LOD	12
116-GSS-22	219105	<LOD	37	<LOD	51	<LOD	2253	<LOD	25	<LOD	12
117-GSS-22	219106	<LOD	38	<LOD	54	<LOD	2066	<LOD	24	<LOD	11
118-GSS-22	219107	<LOD	39	<LOD	55	<LOD	2197	<LOD	25	<LOD	13
120-GSS-22	219108	<LOD	38	<LOD	53	<LOD	2051	<LOD	24	<LOD	12
121-GSS-22	219109	<LOD	39	<LOD	54	<LOD	1970	<LOD	25	<LOD	12
123-GSS-22	219110	<LOD	39	<LOD	55	<LOD	2108	<LOD	25	<LOD	12
123-GSS-22-D	219111	<LOD	38	<LOD	54	<LOD	2153	<LOD	24	<LOD	12
124-GSS-22	219112	<LOD	37	<LOD	52	<LOD	2194	<LOD	25	<LOD	12
125-GSS-22	219113	<LOD	36	<LOD	51	<LOD	2060	<LOD	24	<LOD	12
126-GSS-22	219114	<LOD	34	<LOD	47	<LOD	1835	<LOD	22	<LOD	11
127-GSS-22	219115	-	-	-	-	-	-	-	-	-	-
128-GSS-22	219116	<LOD	40	<LOD	56	<LOD	2181	<LOD	26	<LOD	13
129-GSS-22	219117	<LOD	31	<LOD	42	<LOD	1464	<LOD	20	<LOD	9
131-GSS-22	219118	<LOD	40	<LOD	57	<LOD	2168	<LOD	25	<LOD	13
134-GSS-22	219119	<LOD	38	<LOD	54	<LOD	2127	<LOD	24	<LOD	12
BLANK	219120										
135-GSS-22	219121	<LOD	29	<LOD	40	<LOD	1401	<LOD	18	<LOD	9
136-GSS-22	219122	<LOD	30	<LOD	41	<LOD	1463	<LOD	21	<LOD	10
137-GSS-22	219123	<LOD	30	<LOD	41	<LOD	1516	<LOD	20	<LOD	9
138-GSS-22	219124	<LOD	40	<LOD	57	<LOD	2212	<LOD	26	<LOD	13
139-GSS-22	219125	<LOD	41	<LOD	57	<LOD	2338	<LOD	26	<LOD	13
140-GSS-22	219126	24	8	<LOD	55	<LOD	2120	<LOD	26	<LOD	13
141-GSS-22	219127	<LOD	35	<LOD	48	<LOD	1782	<LOD	23	<LOD	11
142-GSS-22	219128	<LOD	33	<LOD	46	<LOD	1756	<LOD	22	<LOD	11
143-GSS-22	219129	<LOD	31	<LOD	42	<LOD	1596	<LOD	22	<LOD	10
144-GSS-22	219130	<LOD	39	<LOD	55	662	168	<LOD	25	<LOD	12
144-GSS-22-D	219131	<LOD	39	<LOD	54	<LOD	2158	<LOD	25	<LOD	12
145-GSS-22	219132	<LOD	39	38	11	<LOD	2072	<LOD	25	<LOD	12
146-GSS-22	219133	24	8	<LOD	55	<LOD	2189	<LOD	25	<LOD	12
148-GSS-22	219134	<LOD	38	<LOD	54	609	171	<LOD	24	<LOD	12
149-GSS-22	219135	<LOD	40	<LOD	56	<LOD	2108	<LOD	24	<LOD	12
150-GSS-22	219136	39	8	<LOD	57	<LOD	2260	<LOD	26	<LOD	13
151-GSS-22	219137	<LOD	39	<LOD	55	<LOD	2169	<LOD	25	<LOD	12
152-GSS-22	219138	<LOD	40	<LOD	56	<LOD	2073	<LOD	24	<LOD	12
154-GSS-22	219139	<LOD	40	<LOD	56	<LOD	2220	<LOD	25	<LOD	13
BLANK	219140										
155-GSS-22	219141	24	8	<LOD	54	<LOD	2139	<LOD	26	<LOD	13
156-GSS-22	219142	<LOD	38	<LOD	53	<LOD	2115	<LOD	24	<LOD	12
157-GSS-22	219143	<LOD	40	<LOD	56	<LOD	2175	<LOD	24	<LOD	13
158-GSS-22	219144	<LOD	43	<LOD	61	677	194	<LOD	27	<LOD	14
159-GSS-22	219145	<LOD	39	<LOD	55	<LOD	2192	<LOD	25	<LOD	12
160-GSS-22	219146	<LOD	40	<LOD	56	<LOD	2204	<LOD	25	<LOD	12
161-GSS-22	219147	<LOD	30	<LOD	42	<LOD	1570	13	4	<LOD	10
162-GSS-22	219148	<LOD	38	<LOD	53	<LOD	2054	<LOD	23	<LOD	12
163-GSS-22	219149	<LOD	38	<LOD	54	<LOD	2105	<LOD	24	<LOD	12
STANDARD - OREAS 46	219150										
164-GSS-22	219151	<LOD	41	<LOD	58	<LOD	2223	<LOD	26	<LOD	13
165-GSS-22	219152	<LOD	36	<LOD	51	<LOD	1888	<LOD	23	<LOD	11
166-GSS-22	219153	<LOD	39	<LOD	55	<LOD	2194	<LOD	25	<LOD	12
167-GSS-22	219154	<LOD	33	<LOD	46	<LOD	1839	<LOD	23	<LOD	11

Station_ID	Sample_ID1	Pb Concentration	Pb Error1s	Bi Concentration	Bi Error1s	Th Concentration	Th Error1s	U Concentration	U Error1s	LE Concentration	LE Error1s
088-GSS-22	219075	8	1	<LOD	34	21	3	7	1	908162	614
089-GSS-22	219076	14	1	<LOD	34	<LOD	15	<LOD	10	839342	1911
090-GSS-22	219077	9	1	<LOD	34	9	3	<LOD	10	880512	2090
092-GSS-22	219078	12	1	<LOD	33	<LOD	15	<LOD	9	882077	1993
093-GSS-22	219079	11	1	<LOD	34	<LOD	15	5	1	893870	639
BLANK	219080										
094-GSS-22	219081	14	1	<LOD	33	14	3	<LOD	9	884983	2010
095-GSS-22	219082	54	2	<LOD	32	23	3	6	1	894418	1936
096-GSS-22	219083	14	1	<LOD	35	21	3	5	1	908324	629
097-GSS-22	219084	13	1	<LOD	33	<LOD	15	<LOD	10	915444	570
098-GSS-22	219085	11	1	<LOD	34	11	3	<LOD	10	904238	2223
099-GSS-22	219086	39	1	<LOD	29	14	2	5	1	920583	1840
100-GSS-22	219087	11	1	<LOD	36	15	3	<LOD	10	885026	702
101-GSS-22	219088	16	1	<LOD	31	<LOD	14	<LOD	9	906708	2018
102-GSS-22	219089	40	1	<LOD	32	19	3	<LOD	9	932247	491
103-GSS-22	219090	24	1	<LOD	32	13	3	<LOD	9	918091	522
103-GSS-22-D	219091	21	1	<LOD	31	<LOD	14	<LOD	9	918716	1973
104-GSS-22	219092	13	1	<LOD	33	<LOD	15	<LOD	10	913020	2158
105-GSS-22	219093	11	1	<LOD	34	<LOD	16	<LOD	10	888853	2106
106-GSS-22	219094	51	2	<LOD	31	15	3	<LOD	9	903294	570
107-GSS-22	219095	35	1	<LOD	32	15	3	6	1	933628	476
108-GSS-22	219096	12	1	<LOD	35	14	3	4	1	894616	2183
109-GSS-22	219097	12	1	<LOD	34	17	3	5	1	885277	2103
110-GSS-22	219098	38	1	<LOD	29	25	2	4	1	888101	1616
111-GSS-22	219099	8	1	<LOD	32	13	3	6	1	874746	1800
STANDARD - OREAS 46	219100										
112-GSS-22	219101	44	2	<LOD	31	<LOD	14	<LOD	9	889266	1802
113-GSS-22	219102	8	1	<LOD	30	<LOD	14	<LOD	8	853605	1703
114-GSS-22	219103	20	1	<LOD	31	10	3	<LOD	9	851837	1715
115-GSS-22	219104	18	1	<LOD	34	12	3	<LOD	10	902133	610
116-GSS-22	219105	16	1	<LOD	32	13	3	5	1	852980	1885
117-GSS-22	219106	12	1	<LOD	33	<LOD	15	<LOD	10	886411	1924
118-GSS-22	219107	14	1	<LOD	34	<LOD	16	<LOD	10	896491	2102
120-GSS-22	219108	12	1	<LOD	33	<LOD	15	<LOD	10	898304	1995
121-GSS-22	219109	12	1	<LOD	35	15	3	<LOD	10	896100	2225
123-GSS-22	219110	12	1	<LOD	33	<LOD	15	<LOD	10	908131	2091
123-GSS-22-D	219111	14	1	<LOD	33	<LOD	15	<LOD	10	891747	1991
124-GSS-22	219112	10	1	<LOD	33	<LOD	15	<LOD	10	896270	2020
125-GSS-22	219113	24	1	<LOD	33	15	3	<LOD	9	899320	2018
126-GSS-22	219114	43	2	<LOD	33	21	3	4	1	881350	1892
127-GSS-22	219115	-	-	-	-	-	-	-	-	-	-
128-GSS-22	219116	11	1	<LOD	36	21	3	<LOD	10	900784	2358
129-GSS-22	219117	36	1	<LOD	30	17	3	4	1	923241	493
131-GSS-22	219118	13	1	<LOD	35	9	3	<LOD	10	865554	1980
134-GSS-22	219119	14	1	<LOD	33	<LOD	15	<LOD	10	911427	2041
BLANK	219120										
135-GSS-22	219121	33	1	<LOD	29	23	2	7	1	922837	1811
136-GSS-22	219122	43	1	<LOD	30	17	2	3	1	934283	450
137-GSS-22	219123	38	1	<LOD	29	23	2	4	1	931240	461
138-GSS-22	219124	13	1	<LOD	35	<LOD	16	5	1	879769	695
139-GSS-22	219125	14	1	<LOD	35	<LOD	16	<LOD	10	911018	612
140-GSS-22	219126	12	1	<LOD	34	<LOD	15	<LOD	10	894718	2055
141-GSS-22	219127	70	2	<LOD	34	25	3	6	1	912337	2305
142-GSS-22	219128	40	2	<LOD	33	25	3	5	1	830301	1768
143-GSS-22	219129	64	2	<LOD	31	20	3	5	1	881004	1721
144-GSS-22	219130	13	1	<LOD	34	<LOD	16	5	1	908239	611
144-GSS-22-D	219131	14	1	<LOD	35	<LOD	16	<LOD	10	899868	616
145-GSS-22	219132	14	1	<LOD	33	<LOD	15	<LOD	10	905405	586
146-GSS-22	219133	11	1	<LOD	34	10	3	<LOD	10	895090	2133
148-GSS-22	219134	13	1	<LOD	34	<LOD	15	<LOD	10	920828	2180
149-GSS-22	219135	10	1	<LOD	34	<LOD	16	<LOD	10	890088	2076
150-GSS-22	219136	15	1	<LOD	35	11	3	<LOD	10	896271	2219
151-GSS-22	219137	13	1	<LOD	34	9	3	<LOD	10	886406	1986
152-GSS-22	219138	8	1	<LOD	35	13	3	4	1	920860	567
154-GSS-22	219139	15	1	<LOD	34	<LOD	15	<LOD	10	845193	1893
BLANK	219140										
155-GSS-22	219141	18	1	<LOD	34	14	3	<LOD	10	890523	643
156-GSS-22	219142	14	1	<LOD	34	<LOD	15	<LOD	10	911355	580
157-GSS-22	219143	12	1	<LOD	34	<LOD	15	<LOD	10	896930	2078
158-GSS-22	219144	10	1	<LOD	37	<LOD	17	<LOD	11	880983	2295
159-GSS-22	219145	13	1	<LOD	34	<LOD	16	<LOD	10	888206	2001
160-GSS-22	219146	14	1	<LOD	34	<LOD	15	<LOD	10	893705	2120
161-GSS-22	219147	40	1	<LOD	32	30	3	9	1	903175	1929
162-GSS-22	219148	11	1	<LOD	32	<LOD	15	<LOD	9	895410	1993
163-GSS-22	219149	13	1	<LOD	33	<LOD	15	<LOD	10	907714	2012
STANDARD - OREAS 46	219150										
164-GSS-22	219151	12	1	<LOD	36	18	3	<LOD	11	889386	2285
165-GSS-22	219152	8	1	<LOD	32	12	3	<LOD	9	845937	1709
166-GSS-22	219153	13	1	<LOD	34	<LOD	15	<LOD	10	911506	2132
167-GSS-22	219154	27	1	<LOD	30	<LOD	14	<LOD	9	931505	1904

pXRF Soil Sample – QAQC Results

Sample ID	Sample Type	Real Time 1	Real Time 2	Reading #	Method Name	Test Label	Units	Mg Concentration	Mg Error1s	Al Concentration	Al Error1s
503b	In Situ	20	20	8	geoChem3-Extra	8	PPM	15886	1127	68242	476
504b	In Situ	20	20	9	geoChem3-Extra	9	PPM	18496	1149	68763	479
25a	In Situ	20	20	10	geoChem3-Extra	10	PPM	<LOD	5424	100727	539
219020-503b	In Situ	15	15	32	geoChem3-Extra	32	PPM	16584	1275	68964	545
219020-504b	In Situ	15	15	33	geoChem3-Extra	33	PPM	19384	1326	67844	549
219020-25a	In Situ	15	15	34	geoChem3-Extra	34	PPM	<LOD	5599	101201	625
219040-503b	In Situ	15	15	57	geoChem3-Extra	57	PPM	17546	1285	67568	541
219040-504b	In Situ	15	15	58	geoChem3-Extra	58	PPM	17214	1297	67864	548
219040-25a	In Situ	15	15	59	geoChem3-Extra	59	PPM	<LOD	6330	99027	611
219060-503b	In Situ	15	15	79	geoChem3-Extra	79	PPM	13269	1286	68485	550
219060-504b	In Situ	15	15	80	geoChem3-Extra	80	PPM	17765	1366	67290	557
219060-25a	In Situ	15	15	81	geoChem3-Extra	81	PPM	<LOD	5738	101974	628
219080-503b	In Situ	15	15	103	geoChem3-Extra	103	PPM	15080	1299	67320	548
219080-504b	In Situ	15	15	104	geoChem3-Extra	104	PPM	18778	1326	69220	554
219080-25a	In Situ	15	15	106	geoChem3-Extra	106	PPM	<LOD	5867	103621	621
219100-503b	In Situ	15	15	128	geoChem3-Extra	128	PPM	14034	1223	68527	536
219100-504b	In Situ	15	15	129	geoChem3-Extra	129	PPM	17968	1296	67233	543
219100-25a	In Situ	15	15	130	geoChem3-Extra	130	PPM	<LOD	5459	99450	609
219120-503b	In Situ	15	15	149	geoChem3-Extra	149	PPM	15987	1238	69531	538
219120-504b	In Situ	15	15	150	geoChem3-Extra	150	PPM	16907	1273	68458	544
219120-25a	In Situ	15	15	151	geoChem3-Extra	151	PPM	<LOD	6045	102104	611
219140-503b	In Situ	15	15	172	geoChem3-Extra	172	PPM	16284	1239	69860	539
219140-504b	In Situ	15	15	174	geoChem3-Extra	174	PPM	16383	1265	68896	545
219140-25a	In Situ	15	15	175	geoChem3-Extra	175	PPM	<LOD	5452	101671	619

Sample ID	Si Concentration	Si Error1s	P Concentration	P Error1s	S Concentration	S Error1s	K Concentration	K Error1s	Ca Concentration	Ca Error1s	Ti Concentration	Ti Error1s
503b	273731	743	970	29	8487	56	29520	95	28029	86	4572	113
504b	276920	746	817	28	12981	67	28497	92	28599	87	3773	104
25a	228869	622	469	21	400	27	4178	31	2489	22	11734	123
219020-503b	275363	851	916	33	8617	64	29532	108	28081	99	4441	129
219020-504b	274096	859	919	33	12917	78	28359	106	28440	101	3561	121
219020-25a	229532	722	441	24	426	32	4322	36	2514	25	11511	142
219040-503b	272888	850	939	33	8538	64	29144	108	28266	100	4246	130
219040-504b	277680	863	928	33	13059	78	28294	106	28659	101	3377	120
219040-25a	225768	709	466	24	326	31	4078	35	2437	25	11846	142
219060-503b	273504	852	865	32	8356	63	29086	107	27885	98	4536	126
219060-504b	270488	862	851	33	12554	77	27677	105	28312	102	3599	120
219060-25a	230445	718	483	25	326	31	4233	35	2418	25	11631	142
219080-503b	271071	856	977	33	8388	64	28970	108	28053	101	4473	129
219080-504b	274972	857	860	32	12792	77	28129	105	28234	100	3541	120
219080-25a	233980	716	484	24	423	31	4354	35	2487	24	11699	142
219100-503b	278577	845	960	33	8680	63	29659	107	28795	100	4477	126
219100-504b	274152	852	850	32	12785	76	27911	104	28151	99	3673	120
219100-25a	227993	708	495	24	408	31	4242	35	2492	25	11678	141
219120-503b	275798	838	959	32	8600	63	29189	106	28659	99	4396	128
219120-504b	273870	846	886	32	12790	76	27853	104	28175	99	3609	119
219120-25a	230831	707	481	24	338	31	4109	35	2473	24	12006	140
219140-503b	277673	840	972	33	8600	63	29333	106	28182	97	4282	125
219140-504b	275316	847	872	32	12679	76	28086	104	28265	99	3620	120
219140-25a	229317	714	465	24	296	31	4214	35	2503	25	11602	142

Sample ID	V Concentration	V Error1s	Cr Concentration	Cr Error1s	Mn Concentration	Mn Error1s	Fe Concentration	Fe Error1s	Co Concentration	Co Error1s	Ni Concentration	Ni Error1s
503b	133	32	139	15	524	17	55319	164	121	27	54	4
504b	175	30	125	15	537	17	75091	210	171	31	49	4
25a	183	32	102	13	473	14	68681	183	169	27	55	4
219020-503b	193	37	144	17	519	19	55429	187	<LOD	148	49	4
219020-504b	<LOD	157	113	17	533	19	74617	242	126	35	34	5
219020-25a	171	37	96	15	478	16	67642	210	195	31	49	4
219040-503b	127	36	140	17	523	19	55220	188	<LOD	148	44	4
219040-504b	<LOD	155	123	17	511	19	74369	241	167	35	49	5
219040-25a	223	37	132	15	490	16	68620	211	205	31	53	4
219060-503b	143	35	154	17	537	19	55350	188	111	30	39	4
219060-504b	150	34	88	16	513	19	74503	244	198	35	48	5
219060-25a	222	37	100	15	499	16	68035	209	94	31	49	4
219080-503b	122	36	140	17	525	19	55181	189	112	31	55	4
219080-504b	151	34	75	16	547	19	74261	240	175	35	43	5
219080-25a	202	37	100	15	465	16	68574	207	166	31	53	4
219100-503b	189	36	152	17	545	19	55591	185	115	30	49	4
219100-504b	153	34	84	16	555	19	74281	239	147	35	40	5
219100-25a	229	37	116	15	439	16	67835	208	131	30	49	4
219120-503b	<LOD	163	140	17	517	19	54767	183	110	30	47	4
219120-504b	147	34	163	17	530	19	73739	236	<LOD	164	41	5
219120-25a	229	37	111	15	492	16	68734	208	113	30	54	4
219140-503b	129	35	132	17	485	19	55073	183	214	30	45	4
219140-504b	164	34	98	16	515	19	73838	236	216	35	51	5
219140-25a	219	37	112	15	485	16	67217	207	205	31	53	4

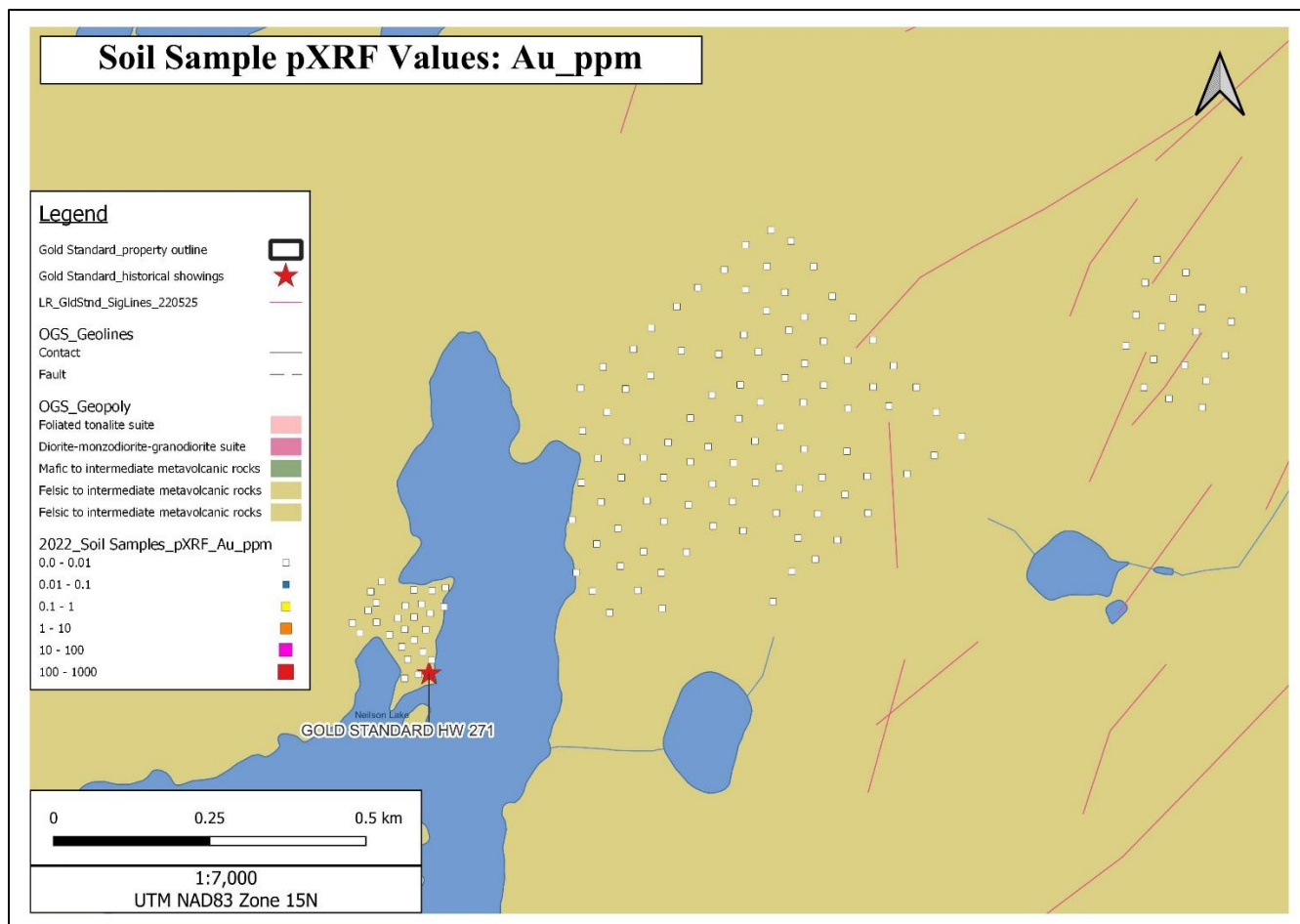
Sample ID	Cu Concentration	Cu Error1s	Zn Concentration	Zn Error1s	As Concentration	As Error1s	Se Concentration	Se Error1s	Rb Concentration	Rb Error1s	Sr Concentration	Sr Error1s
503b	6057	27	100	5	20	1	6	1	170	2	364	2
504b	12441	45	129	6	11	1	12	1	106	1	414	2
25a	37	3	48	3	12	1	2	1	65	1	46	1
219020-503b	6026	31	105	5	21	2	6	1	170	2	362	2
219020-504b	12247	51	127	7	11	2	14	1	108	2	413	3
219020-25a	43	4	49	3	12	1	<LOD	3	66	1	46	1
219040-503b	6019	31	101	5	19	2	7	1	170	2	369	3
219040-504b	12289	51	139	7	14	2	13	1	105	2	412	3
219040-25a	41	4	52	3	13	1	4	1	63	1	46	1
219060-503b	6046	31	116	5	19	2	7	1	172	2	363	2
219060-504b	12324	52	144	7	12	2	13	1	105	2	417	3
219060-25a	42	4	53	3	12	1	5	1	65	1	45	1
219080-503b	6031	31	109	5	20	2	7	1	170	2	365	3
219080-504b	12211	51	123	7	11	2	13	1	106	2	408	3
219080-25a	38	4	46	3	13	1	3	1	65	1	46	1
219100-503b	6147	31	102	5	21	2	6	1	171	2	367	2
219100-504b	12256	51	127	7	14	2	12	1	112	2	412	3
219100-25a	36	4	49	3	11	1	3	1	65	1	45	1
219120-503b	6031	30	106	5	24	2	7	1	171	2	369	2
219120-504b	12149	50	129	7	8	2	14	1	105	2	405	3
219120-25a	43	4	47	3	11	1	4	1	62	1	45	1
219140-503b	6056	30	105	5	19	2	7	1	167	2	366	2
219140-504b	12183	50	126	7	14	2	12	1	106	2	411	3
219140-25a	43	4	49	3	11	1	5	1	63	1	44	1

Sample ID	Y Concentration	Y Error1s	Zr Concentration	Zr Error1s	Nb Concentration	Nb Error1s	Mo Concentration	Mo Error1s	Ag Concentration	Ag Error1s	Cd Concentration	Cd Error1s
503b	24	1	218	2	8	1	310	2	<LOD	21	<LOD	23
504b	16	1	143	2	6	1	494	3	<LOD	19	<LOD	21
25a	26	1	426	2	19	1	7	1	<LOD	18	<LOD	20
219020-503b	27	1	227	2	11	1	319	3	<LOD	24	<LOD	26
219020-504b	18	1	141	2	4	1	493	3	<LOD	22	<LOD	24
219020-25a	25	1	425	3	20	1	11	2	<LOD	22	<LOD	23
219040-503b	23	1	214	2	12	1	317	3	<LOD	24	19	6
219040-504b	17	1	143	2	5	1	491	3	<LOD	22	25	6
219040-25a	29	1	430	3	22	1	7	2	<LOD	21	<LOD	23
219060-503b	24	1	218	2	12	1	318	3	<LOD	24	20	6
219060-504b	17	1	142	2	6	1	489	3	<LOD	22	<LOD	24
219060-25a	26	1	423	3	19	1	8	2	<LOD	21	<LOD	23
219080-503b	23	1	222	2	13	1	319	3	<LOD	24	25	6
219080-504b	18	1	146	2	5	1	481	3	<LOD	22	25	6
219080-25a	27	1	422	3	20	1	6	2	<LOD	21	<LOD	23
219100-503b	26	1	231	2	12	1	322	3	<LOD	24	<LOD	26
219100-504b	15	1	139	2	7	1	489	3	<LOD	22	<LOD	24
219100-25a	26	1	424	3	24	1	<LOD	7	<LOD	21	<LOD	23
219120-503b	26	1	230	2	12	1	315	3	<LOD	24	<LOD	26
219120-504b	17	1	144	2	8	1	487	3	<LOD	22	26	6
219120-25a	30	1	429	3	20	1	5	2	<LOD	21	<LOD	23
219140-503b	25	1	227	2	10	1	316	3	<LOD	24	19	6
219140-504b	20	1	150	2	8	1	486	3	<LOD	22	<LOD	24
219140-25a	28	1	413	3	21	1	7	2	<LOD	21	<LOD	23

Sample ID	Sn Concentration	Sn Error1s	Sb Concentration	Sb Error1s	Ba Concentration	Ba Error1s	W Concentration	W Error1s	Au Concentration	Au Error1s	Hg Concentration	Hg Error1s
503b	26	7	<LOD	44	1118	194	<LOD	23	<LOD	6	<LOD	11
504b	29	7	<LOD	40	983	179	<LOD	22	<LOD	6	<LOD	11
25a	<LOD	27	<LOD	38	<LOD	2024	<LOD	19	<LOD	5	<LOD	9
219020-503b	37	8	<LOD	51	957	224	<LOD	27	5	2	7	2
219020-504b	28	8	<LOD	46	846	213	<LOD	26	<LOD	7	<LOD	13
219020-25a	25	7	<LOD	45	<LOD	2355	<LOD	22	<LOD	6	<LOD	11
219040-503b	<LOD	36	<LOD	51	1079	226	<LOD	26	<LOD	7	<LOD	13
219040-504b	45	8	<LOD	46	1065	213	<LOD	25	<LOD	7	9	2
219040-25a	31	7	<LOD	44	<LOD	2362	<LOD	21	<LOD	6	<LOD	11
219060-503b	31	8	<LOD	50	1019	213	<LOD	25	<LOD	7	<LOD	12
219060-504b	<LOD	33	<LOD	46	1097	211	<LOD	25	<LOD	7	8	2
219060-25a	26	7	<LOD	44	<LOD	2359	<LOD	21	<LOD	6	<LOD	11
219080-503b	<LOD	36	<LOD	51	927	223	<LOD	27	<LOD	7	<LOD	13
219080-504b	45	8	37	12	1072	210	<LOD	25	<LOD	7	<LOD	12
219080-25a	38	7	<LOD	44	<LOD	2330	<LOD	21	<LOD	6	<LOD	11
219100-503b	<LOD	36	<LOD	50	1109	218	<LOD	26	<LOD	7	<LOD	13
219100-504b	29	8	45	12	1147	211	<LOD	25	7	2	11	2
219100-25a	<LOD	31	<LOD	44	<LOD	2310	<LOD	21	<LOD	6	<LOD	10
219120-503b	<LOD	35	<LOD	50	1270	222	<LOD	25	<LOD	7	<LOD	12
219120-504b	26	8	<LOD	46	648	205	<LOD	25	<LOD	7	<LOD	12
219120-25a	31	7	<LOD	44	<LOD	2258	<LOD	21	<LOD	6	<LOD	11
219140-503b	37	8	<LOD	50	1128	215	<LOD	26	6	2	<LOD	12
219140-504b	42	8	<LOD	45	938	211	<LOD	25	<LOD	7	9	3
219140-25a	<LOD	31	<LOD	44	<LOD	2355	<LOD	21	<LOD	6	<LOD	10















Sample ID	Pb Concentration	Pb Error1s	Bi Concentration	Bi Error1s	Th Concentration	Th Error1s	U Concentration	U Error1s	LE Concentration	LE Error1s
503b	26	2	<LOD	28	10	3	<LOD	9	505816	1219
504b	30	2	<LOD	25	<LOD	11	<LOD	7	470191	1244
25a	25	1	<LOD	23	<LOD	10	<LOD	6	580757	1013
219020-503b	25	2	<LOD	32	<LOD	14	<LOD	10	502862	1394
219020-504b	29	2	<LOD	29	<LOD	13	<LOD	9	474577	1441
219020-25a	22	2	<LOD	27	<LOD	12	<LOD	7	580679	1175
219040-503b	26	2	<LOD	32	<LOD	14	<LOD	10	506436	1399
219040-504b	29	2	<LOD	29	<LOD	13	<LOD	9	472905	1437
219040-25a	20	2	26	7	<LOD	12	<LOD	7	585545	1160
219060-503b	26	2	<LOD	31	<LOD	14	<LOD	10	509289	1396
219060-504b	29	2	<LOD	29	<LOD	13	<LOD	9	481159	1456
219060-25a	22	2	<LOD	27	<LOD	12	<LOD	7	578746	1166
219080-503b	27	2	<LOD	32	<LOD	14	<LOD	10	511275	1412
219080-504b	25	2	30	8	<LOD	12	<LOD	9	473465	1434
219080-25a	22	2	<LOD	27	<LOD	12	<LOD	7	572646	1162
219100-503b	28	2	<LOD	31	<LOD	14	<LOD	10	501109	1370
219100-504b	25	2	<LOD	28	<LOD	13	<LOD	8	477169	1429
219100-25a	22	2	38	7	<LOD	12	<LOD	7	583699	1153
219120-503b	21	2	26	7	<LOD	14	<LOD	10	502695	1369
219120-504b	30	2	33	8	<LOD	12	<LOD	9	478603	1418
219120-25a	22	2	<LOD	26	<LOD	12	<LOD	7	577173	1152
219140-503b	27	2	<LOD	31	<LOD	14	<LOD	10	500220	1367
219140-504b	25	2	<LOD	28	<LOD	13	<LOD	8	476472	1415
219140-25a	24	2	<LOD	27	<LOD	12	<LOD	7	580933	1162

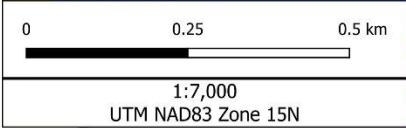
APPENDIX F: SOIL SAMPLE MAPS – pXRF VALUES



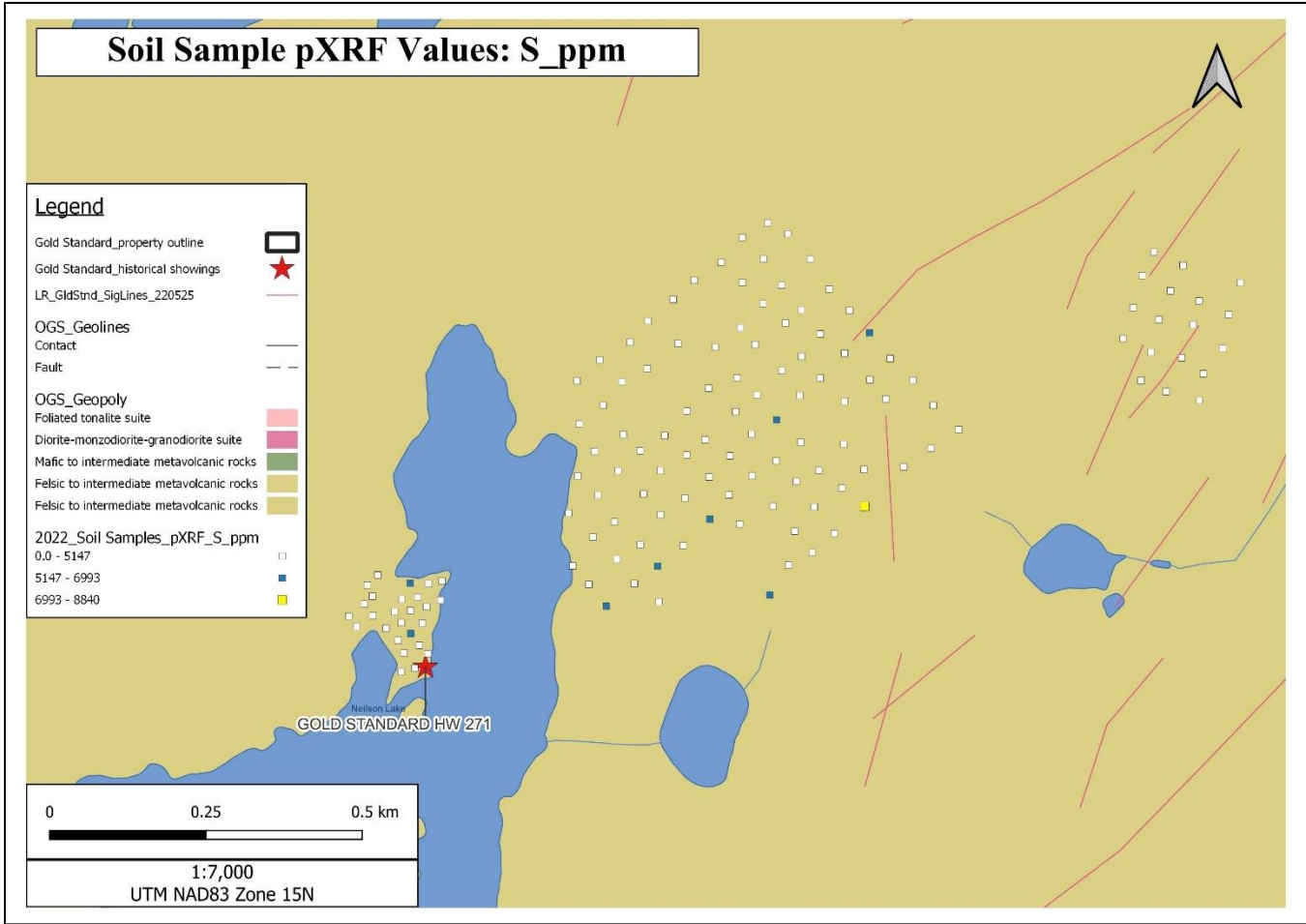
Soil Sample pXRF Values: S_ppm

Legend

- Gold Standard_property outline 
- Gold Standard_historical showings 
- LR_GldStrnd_SigLines_220525 
- OGS_Geolines 
- Contact 
- Fault 
- OGS_Geopoly
 - Foliated tonalite suite 
 - Diorite-monzodiorite-granodiorite suite 
 - Mafic to intermediate metavolcanic rocks 
 - Felsic to intermediate metavolcanic rocks 
 - Felsic to intermediate metavolcanic rocks 
- 2022_Soil Samples_pXRF_S_ppm
 - 0.0 - 5147 
 - 5147 - 6993 
 - 6993 - 8840 

















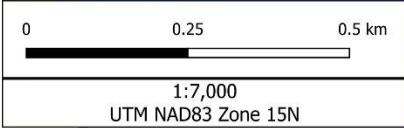
Neilson Lake
GOLD STANDARD HW 271



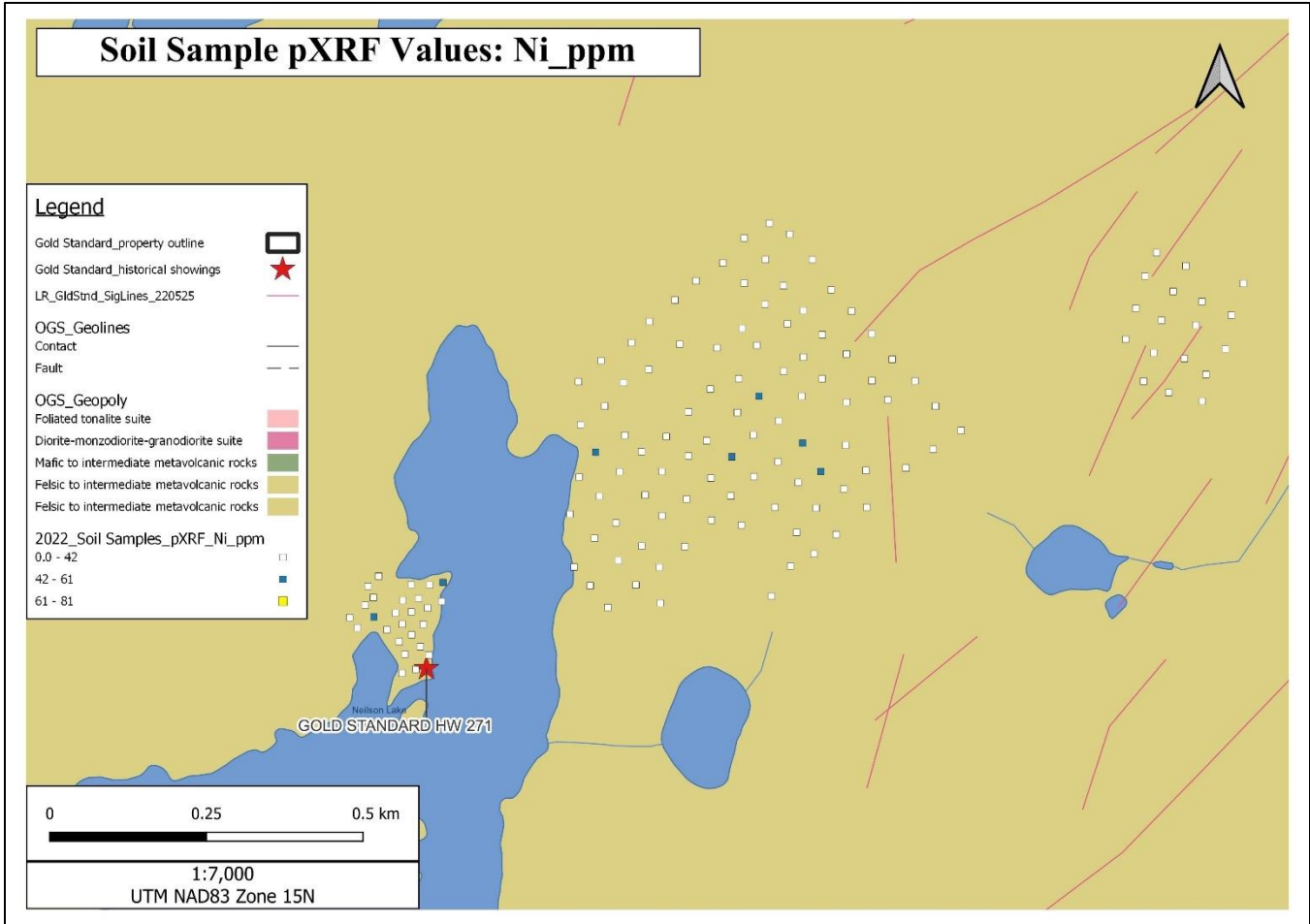
Soil Sample pXRF Values: Ni_ppm

Legend

- Gold Standard_property outline 
- Gold Standard_historical showings 
- LR_GldStrd_SigLines_220525 
- OGS_Geolines 
- Contact 
- Fault 
- OGS_Geopoly
- Foliated tonalite suite 
- Diorite-monzodiorite-granodiorite suite 
- Mafic to intermediate metavolcanic rocks 
- Felsic to intermediate metavolcanic rocks 
- Felsic to intermediate metavolcanic rocks 
- 2022_Soil Samples_pXRF_Ni_ppm
- 0.0 - 42 
- 42 - 61 
- 61 - 81 

















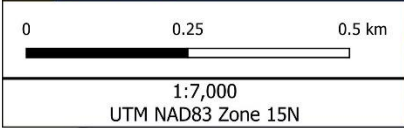
Neilson Lake
GOLD STANDARD HW 271



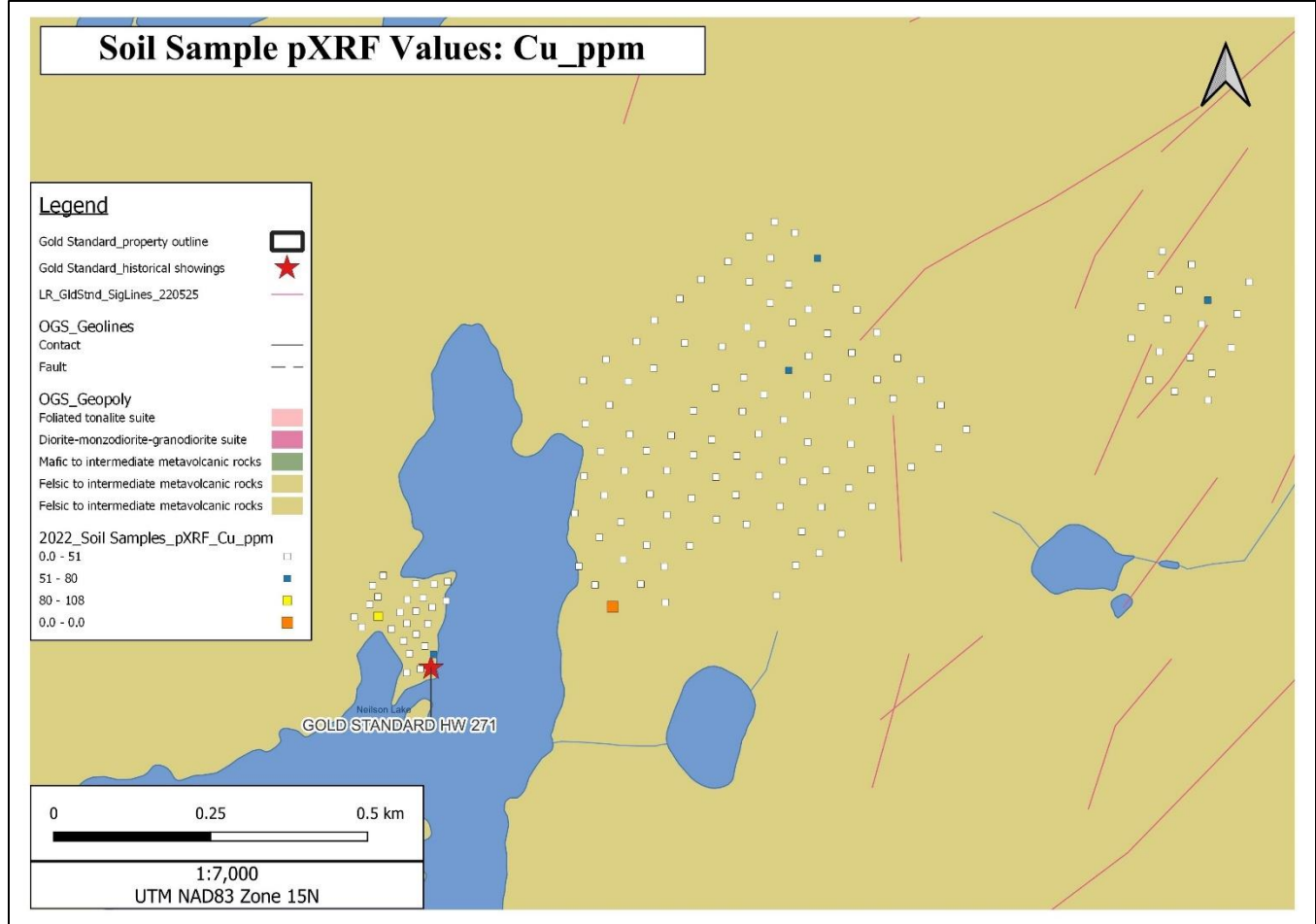
Soil Sample pXRF Values: Cu_ppm

Legend

- Gold Standard_property outline 
- Gold Standard_historical showings 
- LR_GldStrd_SigLines_220525 
- OGS_Geolines
- Contact 
- Fault 
- OGS_Geopoly
- Foliated tonalite suite 
- Diorite-monzodiorite-granodiorite suite 
- Mafic to intermediate metavolcanic rocks 
- Felsic to intermediate metavolcanic rocks 
- Felsic to intermediate metavolcanic rocks 
- 2022_Soil Samples_pXRF_Cu_ppm
- 0.0 - 51 
- 51 - 80 
- 80 - 108 
- 0.0 - 0.0 

















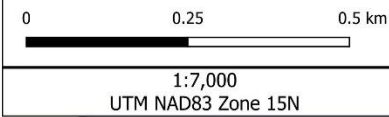
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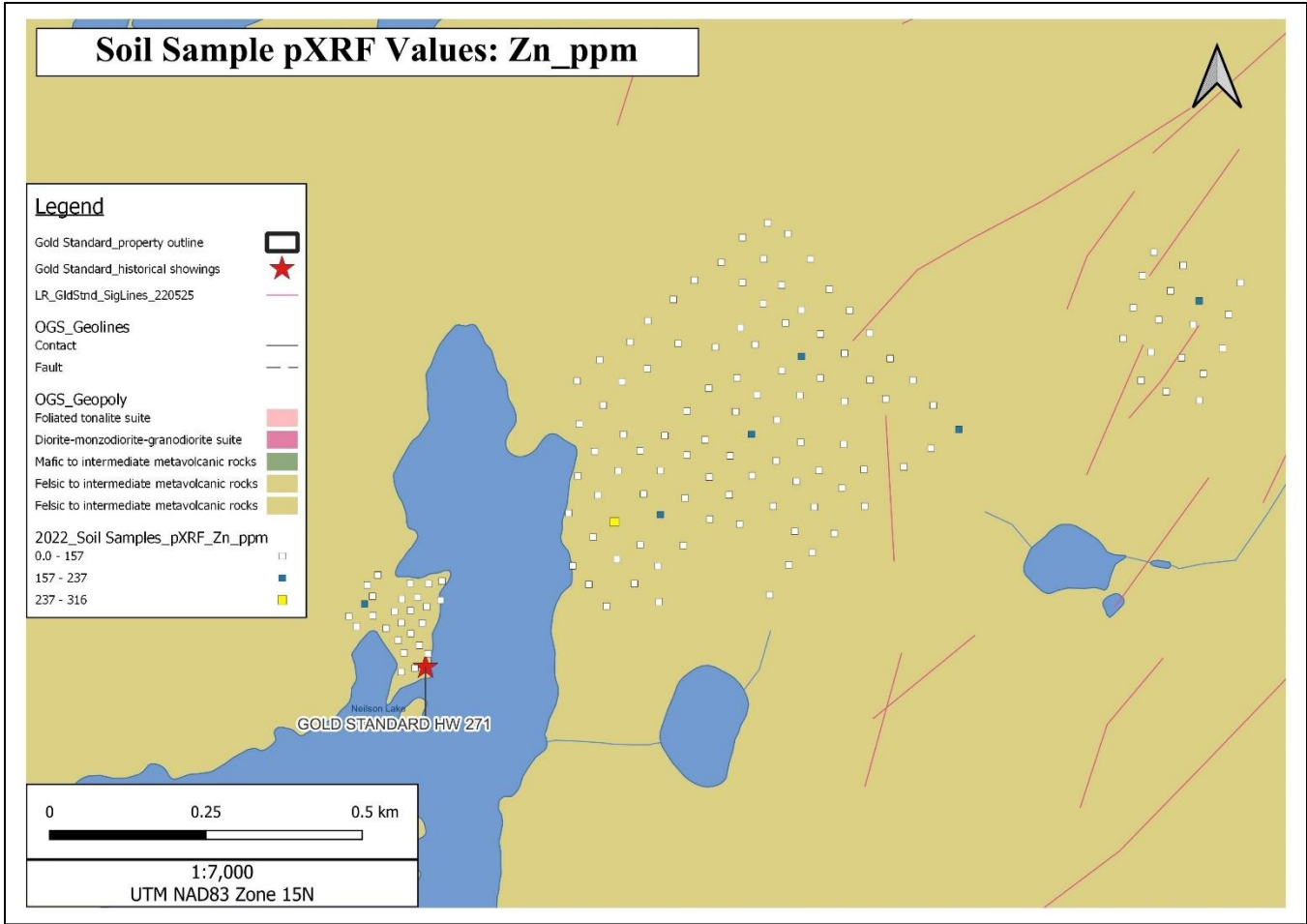
Soil Sample pXRF Values: Zn_ppm

Legend

- Gold Standard_property outline 
- Gold Standard_historical showings 
- LR_GldStrnd_SigLines_220525 
- OGS_Geolines 
- Contact 
- Fault 
- OGS_Geopoly
- Foliated tonalite suite 
- Diorite-monzodiorite-granodiorite suite 
- Mafic to intermediate metavolcanic rocks 
- Felsic to intermediate metavolcanic rocks 
- Felsic to intermediate metavolcanic rocks 
- 2022_Soil Samples_pXRF_Zn_ppm
- 0.0 - 157 
- 157 - 237 
- 237 - 316 

















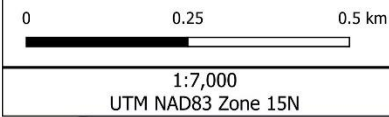
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Soil Sample pXRF Values: As_ppm

Legend

- Gold Standard_property outline 
- Gold Standard_historical showings 
- LR_GldStrnd_SigLines_220525 
- OGS_Geolines 
- Contact 
- Fault 
- OGS_Geopoly
 - Foliated tonalite suite 
 - Diorite-monzodiorite-granodiorite suite 
 - Mafic to intermediate metavolcanic rocks 
 - Felsic to intermediate metavolcanic rocks 
 - Felsic to intermediate metavolcanic rocks 
- 2022_Soil Samples_pXRF_As_ppm
 - 0.0 - 9.8 
 - 9.8 - 14 
 - 14 - 18 

















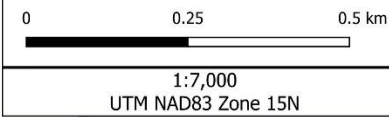
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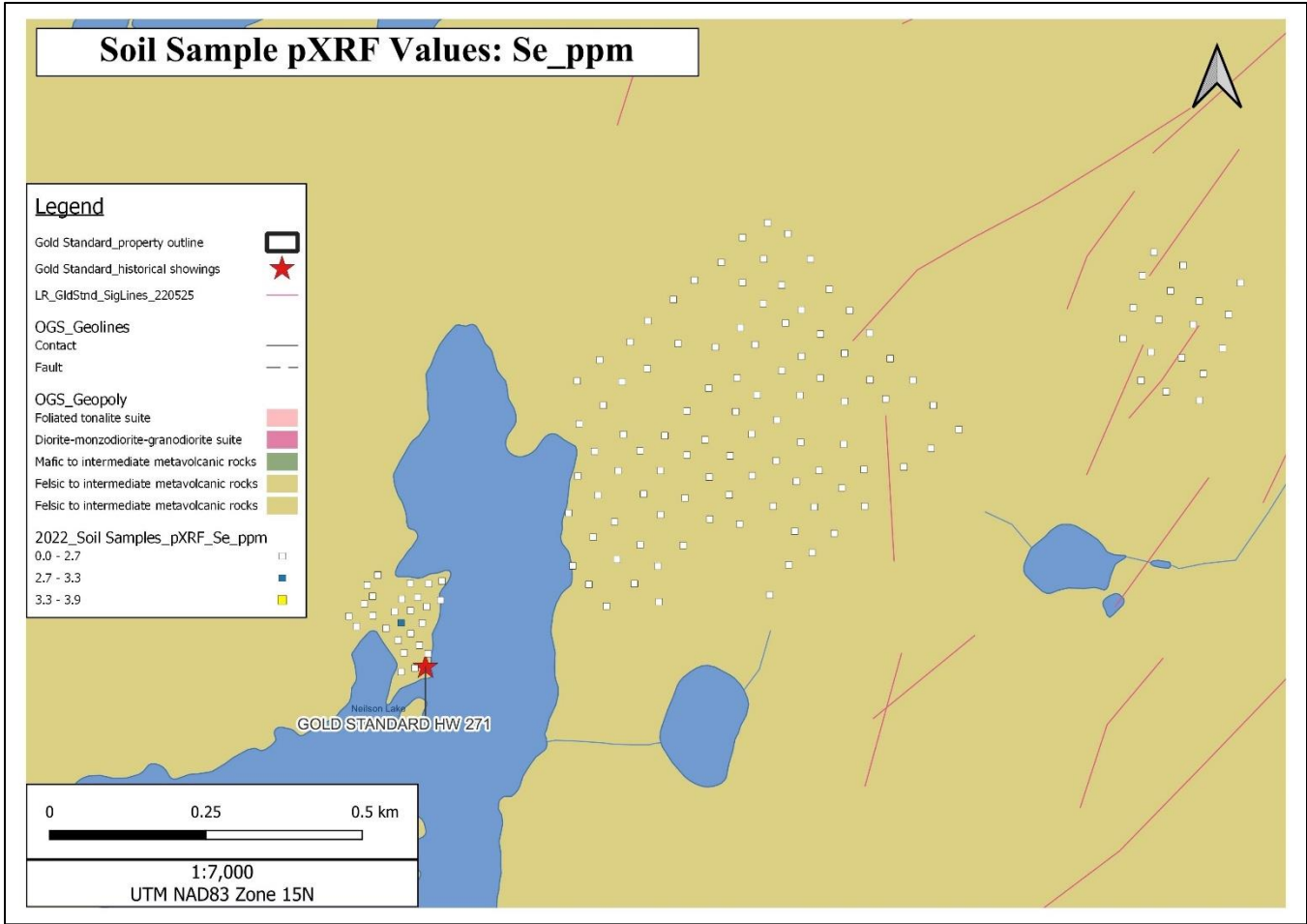
Soil Sample pXRF Values: Se_ppm

Legend

- Gold Standard_property outline 
- Gold Standard_historical showings 
- LR_GldStrnd_SigLines_220525 
- OGS_Geolines 
- Contact 
- Fault 
- OGS_Geopoly
- Foliated tonalite suite 
- Diorite-monzodiorite-granodiorite suite 
- Mafic to intermediate metavolcanic rocks 
- Felsic to intermediate metavolcanic rocks 
- Felsic to intermediate metavolcanic rocks 
- 2022_Soil Samples_pXRF_Se_ppm
- 0.0 - 2.7 
- 2.7 - 3.3 
- 3.3 - 3.9 
















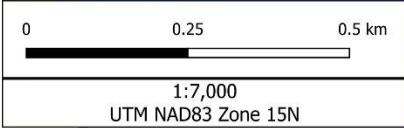
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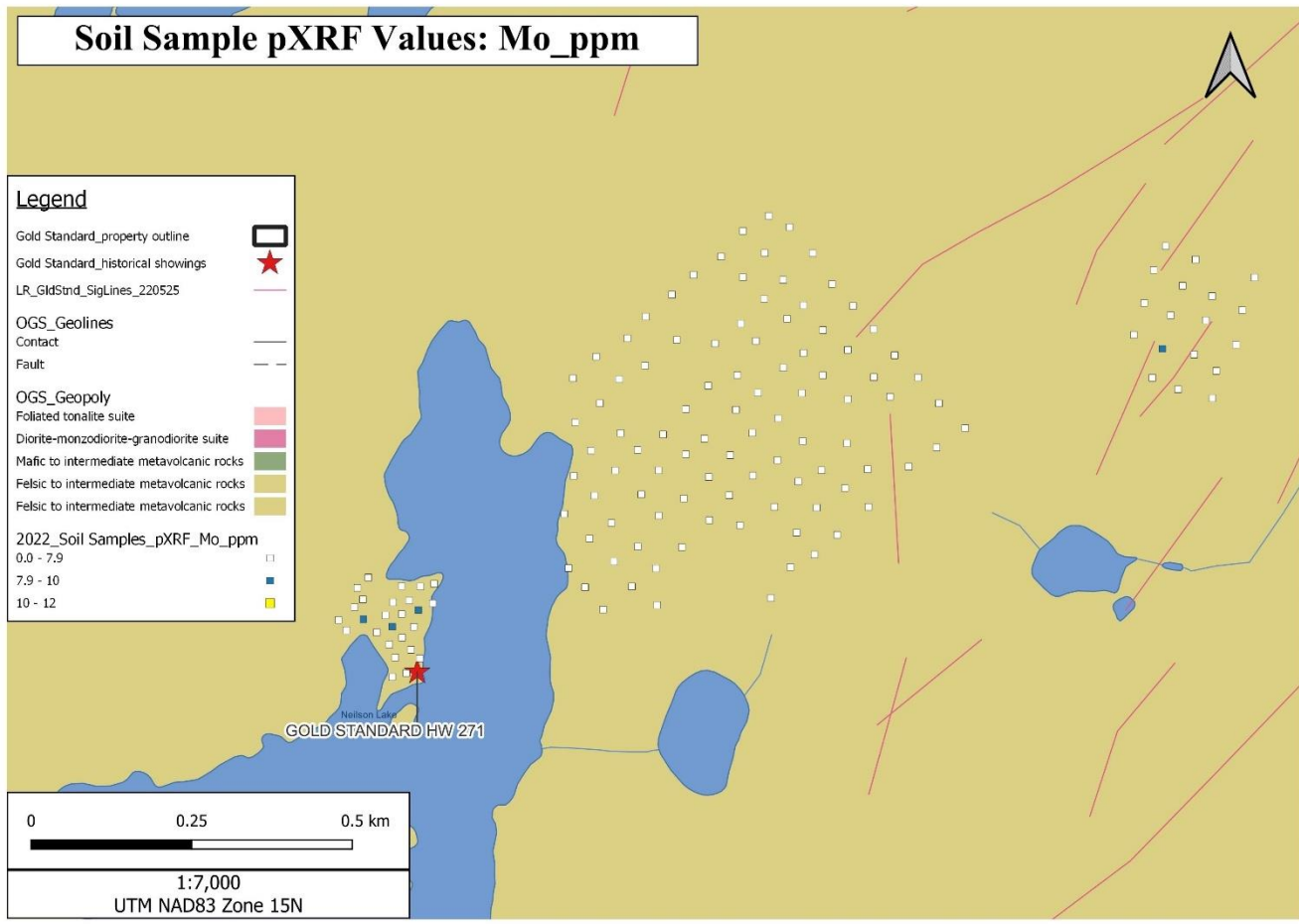
Soil Sample pXRF Values: Mo_ppm

Legend

- Gold Standard_property outline 
- Gold Standard_historical showings 
- LR_GldStrnd_SigLines_220525 
- OGS_Geolines
- Contact 
- Fault 
- OGS_Geopoly
- Foliated tonalite suite 
- Diorite-monzodiorite-granodiorite suite 
- Mafic to intermediate metavolcanic rocks 
- Felsic to intermediate metavolcanic rocks 
- Felsic to intermediate metavolcanic rocks 
- 2022_Soil Samples_pXRF_Mo_ppm
- 0.0 - 7.9 
- 7.9 - 10 
- 10 - 12 

















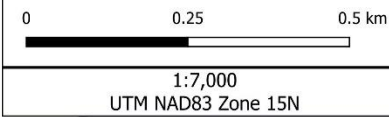
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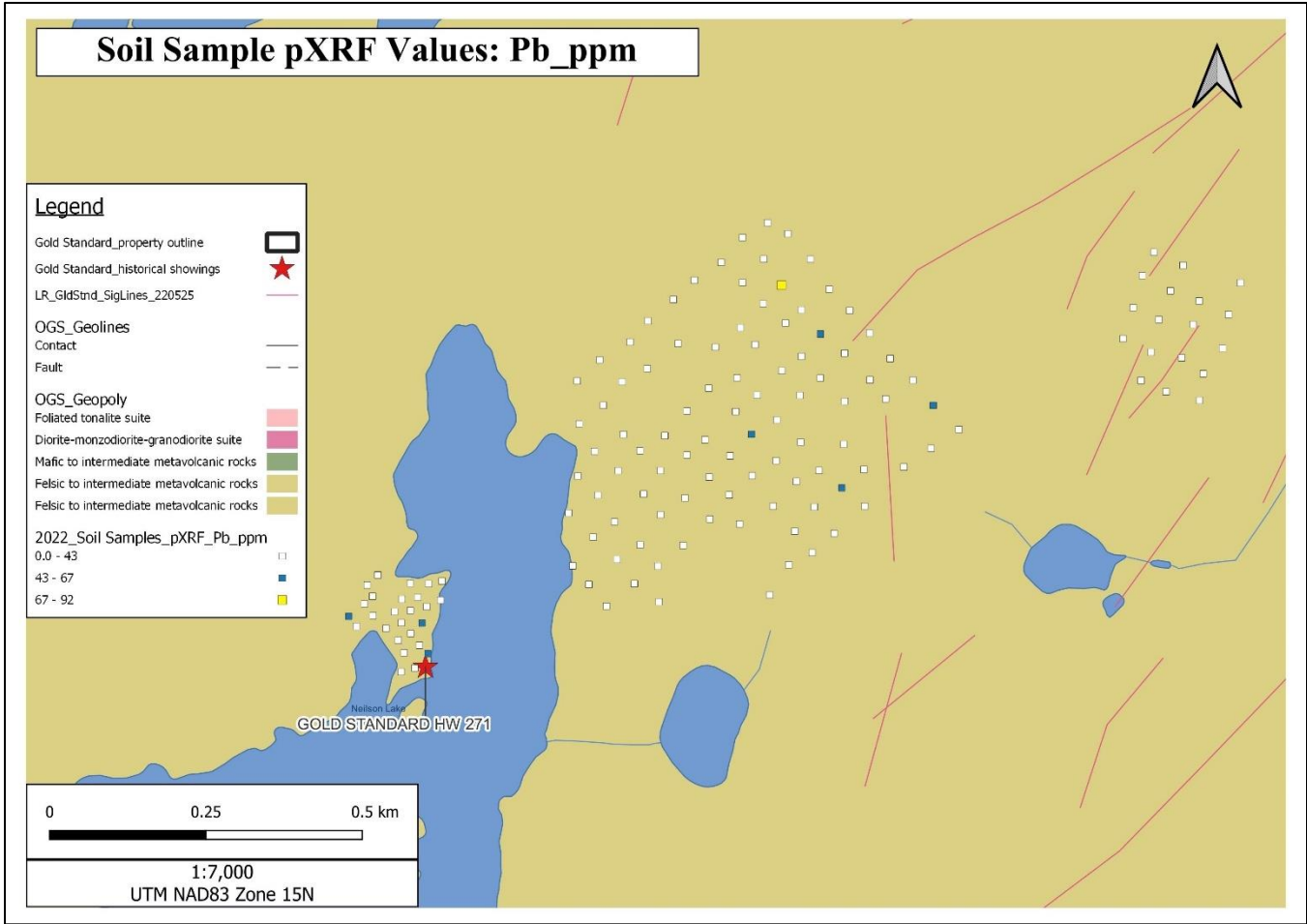
Soil Sample pXRF Values: Pb_ppm

Legend

- Gold Standard_property outline 
- Gold Standard_historical showings 
- LR_GldStrnd_SigLines_220525 
- OGS_Geolines 
- Contact 
- Fault 
- OGS_Geopoly
- Foliated tonalite suite 
- Diorite-monzodiorite-granodiorite suite 
- Mafic to intermediate metavolcanic rocks 
- Felsic to intermediate metavolcanic rocks 
- Felsic to intermediate metavolcanic rocks 
- 2022_Soil_Samples_pXRF_Pb_ppm
- 0.0 - 43 
- 43 - 67 
- 67 - 92 



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APPENDIX G: ASSAY CERTIFICATES

Note: At the time of writing, all grab, soil, and bark sample results are still pending. An updated report will be filed once all assay results are returned.