AURCHEM EXPLORATION LTD.
WHITEHORSE, YUKON TERRITORY

VIC PROJECT

EXPLORATION REPORT FOR 2008 TRENCHING AND SAMPLING

ON THE

VIC 30 YA86333

CLAIMS

In The

WHITEHORSE MINING DISTRICT

YUKON TERRITORY

NTS 115 I/3

Latitude 62°09' N Longitude 137°10‘ W

R. Stroshein, P. Eng.

May 18, 2009

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1.0 SUMMARY

The Mount Nansen Project, located in the Mount Nansen area of Central Yukon encompasses a significant number of gold-silver mineralized occurrences. Exploration including geochemical soil sampling, geological mapping, ground and airborne geophysical surveys, trenching, reverse circulation drilling and diamond drilling has been carried out on mineralized occurrences throughout the property since 1972.

High-grade gold mineralization occurs with quartz veins hosted by coarse grained syenite porphyry on the Vic claims. Multiple sub-parallel veins cut the syenite porphyry and trend approximately east-west on the Vic ridge top. During 2008 the Maverick (2850 N) vein was stripped to the east and further excavated along the vein system. The veins are discontinuous exhibiting pinch-and-swell structure in the lateral and vertical dimensions. Systematic sampling across the vein system at approximately five (5) meter intervals was conducted. The Skyline (2650 N) vein was further exposed and sampled. A discontinuous but persistent gold-bearing quartz vein has been examined for approximately 140 meters. At the "L" trench a narrow vein has been exposed that trends northwesterly in the trench for approximately 12 meters.

There were a total of 155 rock samples collected including 108 from Maverick, 20 from Skyline, 12 from "L" trench, nine (9) from "grussy" shear zones north of Maverick and six (6) of different weathered quartz vein specimens. The results of 51 quartz vein samples from the Maverick veins averaged 43.28 gpt gold. The results of 14 quartz vein samples from the Skyline veins averaged 11.86 gpt gold and the average gold grade of the seven (7) quartz vein samples from the "L" vein was 9.73 gpt.

Sampling of "grussy" weathered shear zones was also included in the sampling program. The zones contained no detectable gold.

2.0 INTRODUCTION

The exploration program carried out in 2008 on the Vic 30 claim was designed to expose covered areas along the Maverick (2850 N) vein structure, cleaning up and sampling the Skyline (2650 N) vein system, exposing the northwest trending "L" vein and clearing trenches from prior exploration. The program was carried out between July and September, 2008.

2.1 Property Location and Access

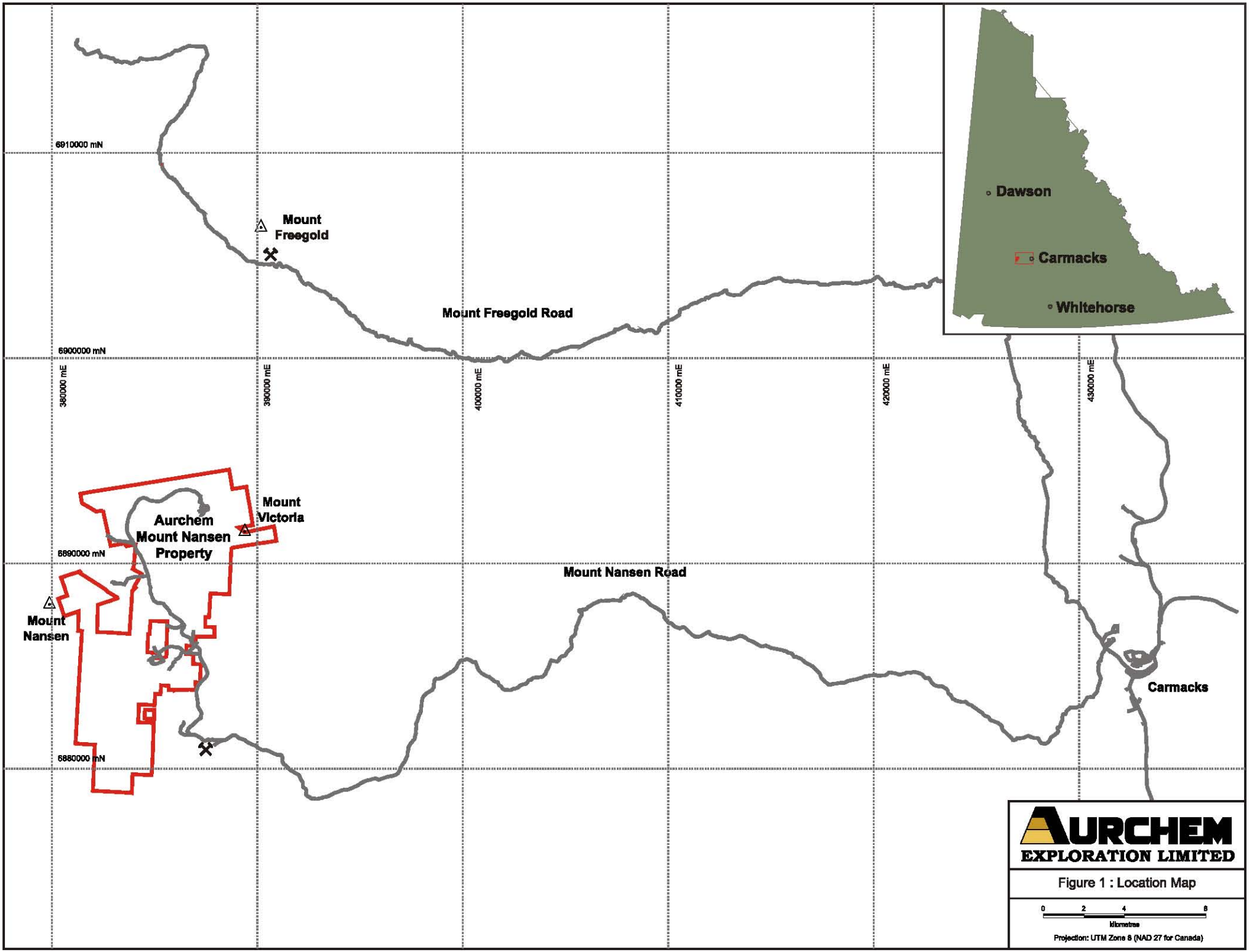
The Discovery Creek property (Latitude: 62^{o} 07' N, Longitude: 137^{o} 08' W) is located approximately 65 kilometers west of Carmacks in South Central Yukon Territory. Figure 1.

The property is accessible by a gravel road from Carmacks and within the property a network of roads and trails provides access to all of the workings and showings on the claims.

2.2 Property Description

The Discovery Creek project consists of 389 quartz mineral claims and 7 mineral leases owned by Aurchem Exploration Ltd. The outline of the property is shown in Figure 2. The detailed listing of claims and expiry dates are included in Appendix 2.

The claims can be viewed on line at Http://www.yukonminingrecorder.ca/PDFs/115/115I3.pdf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6900000 mN
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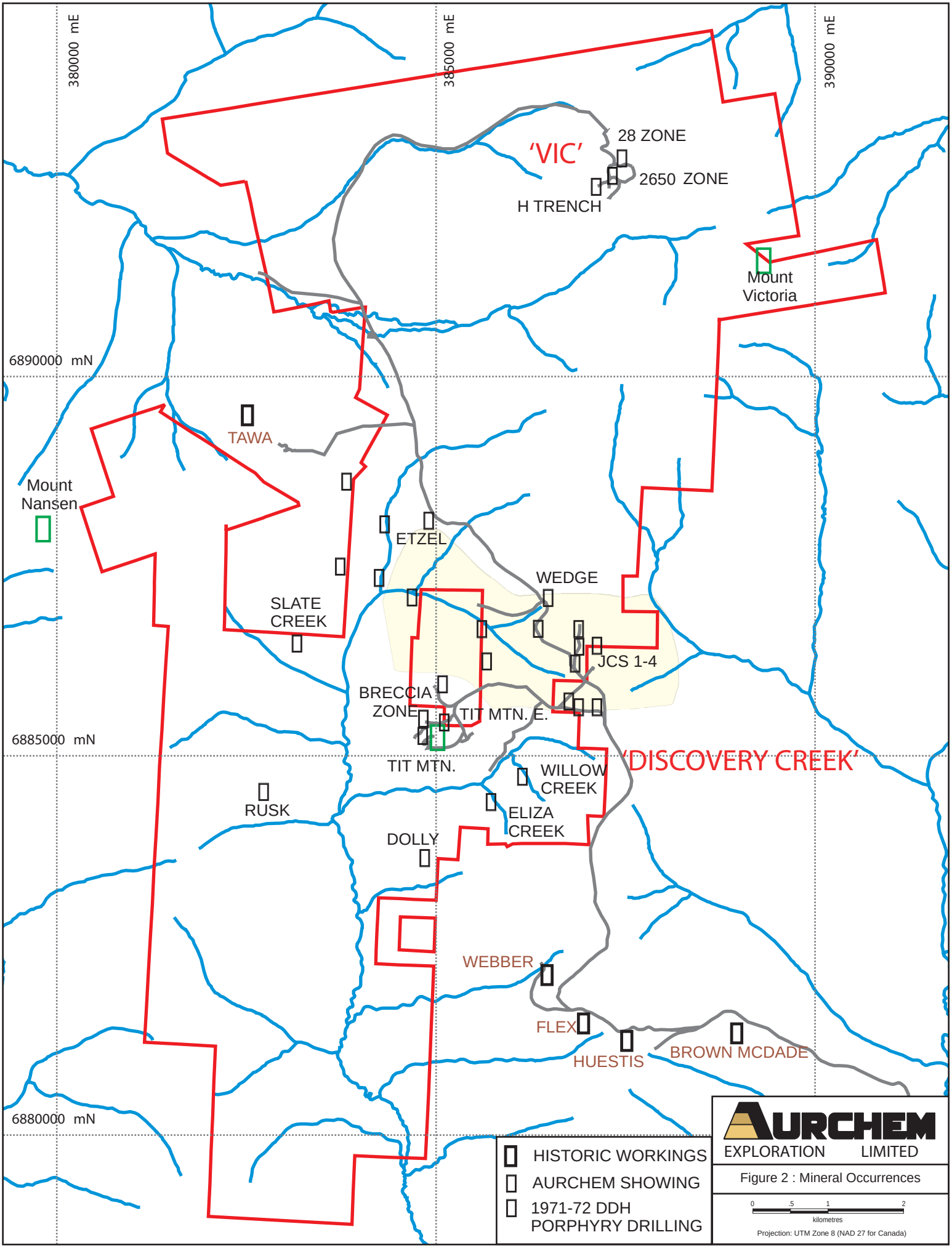
380000 mE
390000 mE
400000 mE
410000 mE
420000 mE
430000 mE
Mount Freegold
Mount Freegold Road
Dawson
Carmacks
Whitehorse
Aurchem Mount Nansen Property
Mount Victoria
Mount Nansen
Mount Nansen Road
Carmacks
AURCHEM EXPLORATION LIMITED
Figure 1 : Location Map
0 2 4 8
kilometres
Projection: UTM Zone 8 (NAD 27 for Canada)


380000 mE
385000 mE
390000 mE
6890000 mN
6885000 mN
6880000 mN
'VIC'
28 ZONE
2650 ZONE
H TRENCH
Mount Victoria
TAWA
Mount Nansen
ETZEL
WEDGE
SLATE CREEK
JCS 1-4
BRECCIA ZONE
TIT MTN. E.
TIT MTN.
'DISCOVERY CREEK'
WILLOW CREEK
ELIZA CREEK
RUSK
DOLLY
WEBBER
FLEX
HUESTIS
BROWN MCDADE
HISTORIC WORKINGS
AURCHEM SHOWING
1971-72 DDH PORPHYRY DRILLING
AURCHEM EXPLORATION LIMITED
Figure 2 : Mineral Occurrences
0 .5 1 2
kilometres
Projection: UTM Zone 8 (NAD 27 for Canada)

3.0 HISTORY

Placer gold was discovered on Nansen Creek in 1899. Placer mining has been carried out intermittently on the creeks in the area since 1910. Lode gold was discovered at the nearby Brown-McDade deposit in 1943 that led to the discovery of numerous other deposits in the district.

From 1946 to 1975 several corporate groups undertook mining and development of the Brown-McDade, Webber and Huestis deposits in the southern portion of the district. Gold recoveries were poor but confirmed the presence of high-grade gold-silver deposits in the district.

The Mount Nansen Porphyry complex, in the central portion of the property was explored for porphyry copper-molybdenum mineralization in 1970 – 71. Widespread drilling confirmed the presence of a large low-grade porphyry mineralized system in the area at the headwaters of Nansen and Victoria Creeks and their tributaries.

Exploration resumed in the 1980's that ultimately led to the development of an open pit mining operation on the Brown-McDade deposit. The operation produced approximately 37,500 ounces of gold and 142,000 ounces of silver between 1996 and 1999. Other exploration companies were active during this period exploring the claims that now comprise the Aurchem Exploration Discovery Creek Project. The exploration activity included soil geochemical sampling, ground geophysics, trenching, reverse circulation drilling and diamond drilling.

Between 1989 and 1995 Aurchem Exploration concentrated exploration in the area flanking the Mount Nansen Porphyry near the headwaters of Discovery Creek. The exploration programs included soil geochemical sampling and geophysical surveys including ground magnetic, VLF-EM and IP. Aurchem Exploration carried diamond and reverse circulation drilling and trenching on the property during this period.

The property was optioned to BYG Natural Resources Inc. from 1995 – 1998. BYG carried out a drilling program in the Tit Mountain area.

Aurchem Exploration carried out a program of limited trenching on the Wedge claims and the Eliza Creek Extention zone in 2001. Bulldozer and excavator trenching was carried out near Tit Mountain in 2002 that led to the discovery of a new gold-rich oxidized zone (Tit Mountain Shear Zone) in trench T-5 located near the eastern claim boundary immediately northeast of Tit Mountain. Prospecting, geochemical sampling and trenching was carried out in 2003 to follow up on the mineralization at Tit Mountain in T-5, exploring on the Etzel claims and geochemical sampling and bulldozer stripping at the Slate Creek anomaly.

Aurchem conducted extensive trenching, reverse circulation and diamond drilling on the Vic claims between 2004 and 2007. The exploration has resulted in an inferred geological resource of 81,463 ounces of gold in several zones. This is not a NI43-101 compliant resource. The intensive exploration programs resulted in the discovery of gold-rich quartz veins that had not previously been recognized.

Since 1970 approximately 231 drill holes totaling 24,300 meters have been completed on a number of zones and targets in the Mount Nansen Project area by all operators. The majority of the drilling was completed by Aurchem Resources Ltd. that is 131 reverse circulation and diamond drill holes.

4.0 GEOLOGY

The Mount Nansen gold-silver project is located in the Dawson Range of the Yukon Tanana Terrane. The Dawson Range is underlain by Early Mississippian metamorphic rocks intruded by several plutonic suites (Carlson, 1987).

The metamorphic rocks are separated into two suites, meta-sedimentary and meta-igneous. Micaceous quartz-feldspar gneiss, schist, and quartzite of the Nasina assemblage form the meta-sedimentary rock suite. The meta-igneous package includes biotite-hornblende feldspar gneiss and coarse-grained granodiorite orthogneiss with lesser amphibolite.

The metamorphic rocks are intruded by Mid Cretaceous felsic plutonic rocks of the Coffee Creek Plutonic Suite and capped by the coeval mafic to intermediate volcanic flow and tuff rocks of the Mount Nansen Volcanic suite (Johnston and Mortensen, 1994). Genetically related sub-volcanic feldspar porphyry dikes and plugs intrude all rock types (Sawyer and Dickinson, 1976).

The Late Cretaceous Carmacks Volcanic Suite, although lacking in the immediate Mount Nansen area is voluminous in the region where relatively flat lying pyroclastic tuffs and flow units form prominent ridges capping the basement rocks (Carlson, 1987). The Carmacks Volcanic Suite is magmatically related to the Prospector Mountain Plutonic Suite (Johnston and Mortensen, 1994).

Mineralized structures on the Discovery Creek property consist of fault-shear-hosted veins and associated clay-rich and bleached alteration zones in felsic hypabyassal rocks. The vein zones range from narrow, simple quartz veins to complex, anastamosing and braided systems or breccia pipe-like structures that crosscut all rock types. The veins and associated felsic dykes or faults trend in a variety of directions and are steeply dipping. The structures are interpreted as a dilational fracture systems peripheral to the Middle Cretaceous porphyry intrusive bodies.

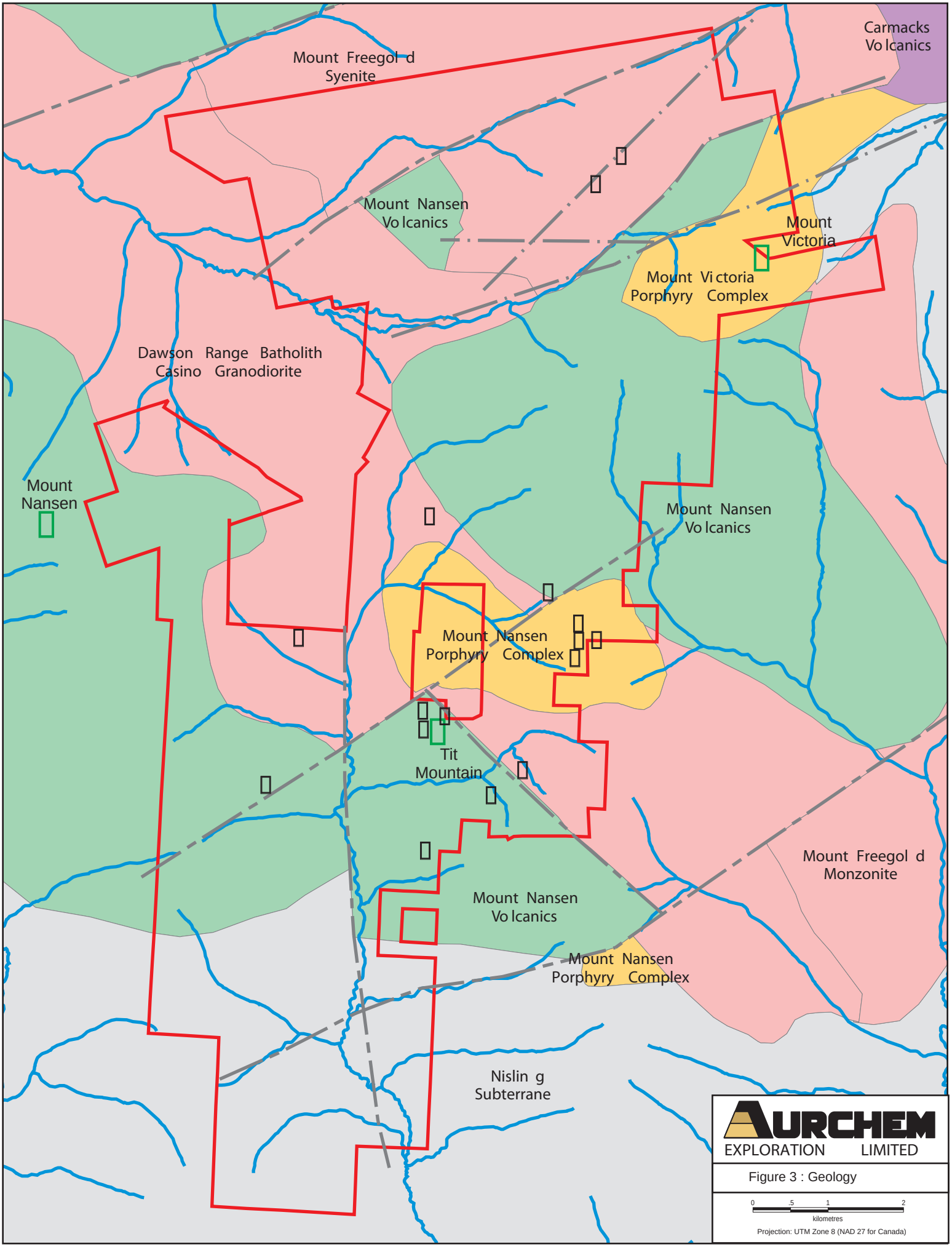
There are distinctive mineralogical assemblages associated with the various vein orientations. The most prominent and longest recognized veins are composed of dark grey, very fine grained quartz-sphalerite-galena-pyrite-stibnite veins. The quartz-sulphide veins generally trend northwesterly and are closely associated with fine grained buff weathering feldspar porphyry dykes. The veins yield high-grade gold and proportionately higher silver grades. Gold-rich light grey quartz veins trending east-northeasterly contain only incidental fine grained disseminated pyrite. Silver and base metal values are low. Quartz-pyrite rich breccia zones form irregular pipe-like bodies. The breccia bodies have been under explored

Central to the Mount Nansen mineral camp is a central porphyry system referred to as the Mount Nansen Porphyry Complex. The complex is exposed within an uplifted block or an erosional remnant that resulted from post depositional faulting. The faulting has produced an apparent northwest trend for the mineralization referred to as the Mount Nansen Trend (Melling, 1995).

A large area of copper-molybdenum porphyry style mineralization occurs with the Mount Nansen Porphyry Complex. The mineralization consists of low-grade copper and molybdenum in altered granodiorite and porphyrytic rocks within the Summit Creek and Upper Nansen Creek drainages.

Geochronological studies indicate that the U-Pb dating gives a time of 109 Ma for porphyry intrusive bodies that are interpreted as coinciding with the main mineralizing event in the district. (V. Meyers, B.Sc. thesis).

The Mount Nansen area was beyond the limit of the most recent continental glaciation although earlier incursions moved up the valley bottoms. Weathering extends to depths of up to 75 metres below surface which is accompanied by leaching and oxidation in the mineralized zones, and sulphides are commonly altering to limonite or other oxides (Melling, 1995).


Carmacks Volcanics
Mount Freegold Syenite
Mount Nansen Volcanics
Mount Victoria
Mount Victoria Porphyry Complex
Dawson Range Batholith Casino Granodiorite
Mount Nansen
Mount Nansen Volcanics
Mount Nansen Porphyry Complex
Tit Mountain
Mount Freegold Monzonite
Mount Nansen Volcanics
Mount Nansen Porphyry Complex
Nislin g Subterrane
AURCHEM
EXPLORATION LIMITED
Figure 3 : Geology
0 .5 1 2
kilometres
Projection: UTM Zone 8 (NAD 27 for Canada)

5.0 CURRENT WORK PROGRAM

Figure 2 displays the location Vic project relative to the other exploration targets of the Mount Nansen project. Exploration consisted of bulldozer stripping and excavator trenching followed by geological mapping and sampling on three veins of the Vic project. (Figure 4. Vic Project area). All exploration sample results are tabulated and displayed in Appendix 4 and assay results are reported in Appendix 5. The table includes location name and UTM co-ordinates. Appendix 4 contains the field trench maps showing the 2008 sample locations.

Maverick (2850 N)

The Vic project exploration consisted of bulldozer stripping and excavating the Maverick vein that has been trenched and extensively drilled. The Maverick vein was explored in the area between 387,460 E and 387,650 E centered on approximately 6,892,850 N latitude. The coordinates are the UTM coordinates in NAD 27, Zone 8. One hundred and eight (108) samples were collected and assayed by ALS Chemex Labratories of Vancouver. The samples were analyzed for Au by AA and fire assay finish and a suite of 48 elements by the ICP method.

Also on the Vic project, excavator trenching was carried out along the Skyline vein structure. The trenching was carried out between sections 387,350 E and 387,490 E centered at 6,892,650 N latitude. The coordinates are the UTM coordinates in Zone 8, NAD 27. The vein system was cleared, sampled and mapped over a distance of approximately 130 meters. Twenty (20) samples of quartz vein and wall rock material were collected and assayed by ALS Chemex Labratories of Vancouver. The samples were analyzed for Au by AA and fire assay finish and a suite of 48 elements by the ICP method.

Excavating on the “L” trench vein exposed a northwesterly trending vein. Twelve (12) samples of the vein and wall rock were sampled and assayed by ALS Chemex Labratories of Vancouver. The samples were analyzed for Au by AA and fire assay finish and a suite of 48 elements by the ICP method.

Downhill trenches north of the Maverick that were first explored in the 1968 exploration program were re-excavated. Nine (9) samples of “grussy” shear zones were channel sampled and assayed by ALS Chemex Labratories of Vancouver. The samples were analyzed for Au by AA and fire assay finish and a suite of 48 elements by the ICP method.

All results are reported in Appendices 4 and 5.

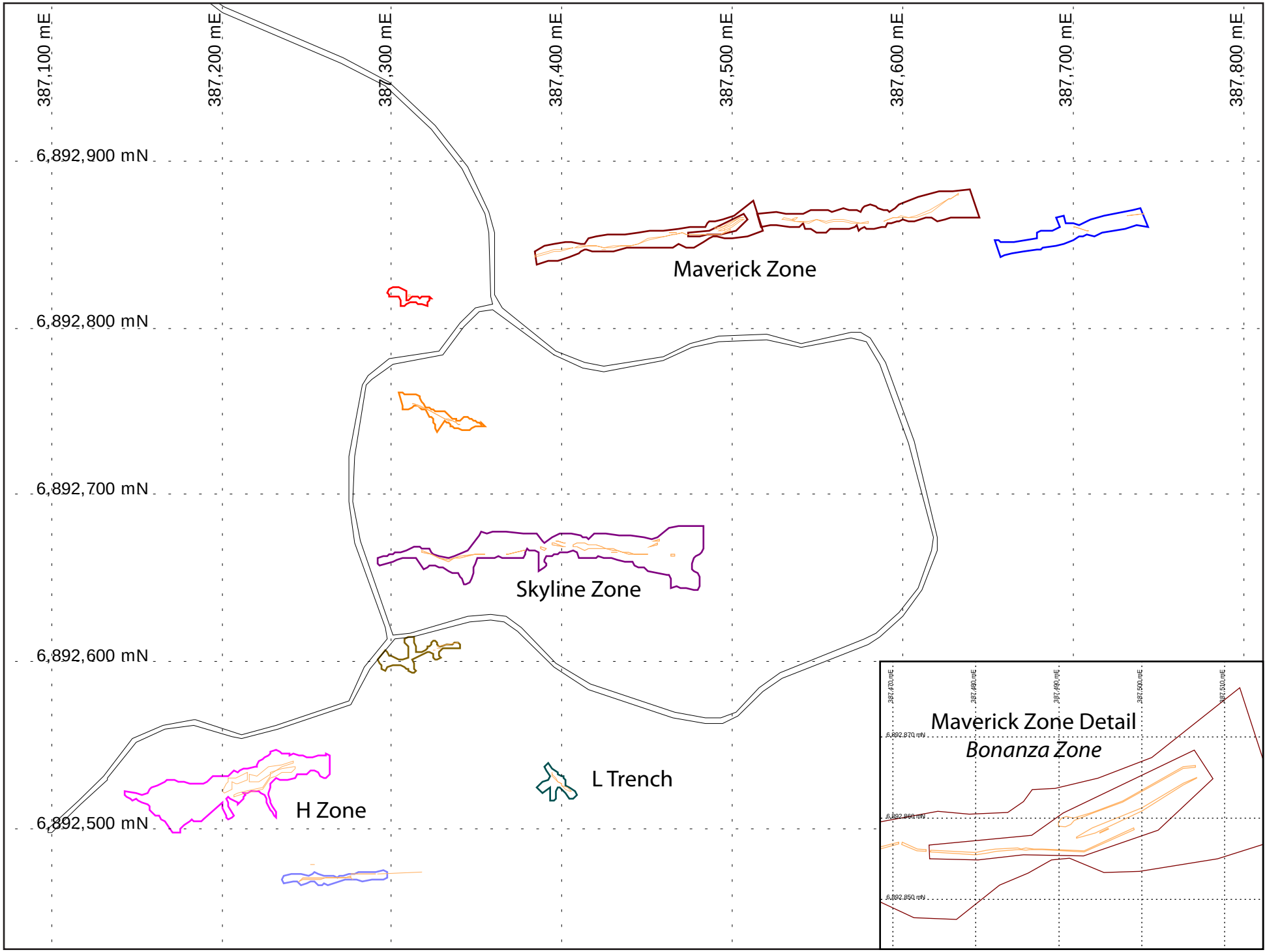


Figure 4 - VIC Exploration Project

6.0 RESULTS OF CURRENT EXPLORATION

Gold-silver mineralization was located at all trenched vein locations on the Vic project in 2008. All field drawings, locations and assay results are enclosed in Appendix 4.

Maverick (2850 N) Vein system

The Maverick vein system displays a remarkable persistence within fault structures that trend at 090°. The veins within the fault zones have variable attitudes trending from 080° to 115° with steep dips north and south. This reflects the pinching and swelling of the veins in the horizontal and vertical dimensions. The maximum thickness that the veins attain is approximately one (1) meter as observed in the trenches. The veins at surface quickly pinch along strike and dip and are most typically persistent at 20 – 30 centimeter widths and ultimately pinch to nothing. Locally the deformed veins overlap near the ends of the individual veins producing multiple veins although this tends to occur where the veins are the thinnest.

There is a close spatial association with the fine grained light grey felsic dykes and the veins are thickest where the dykes are absent or weakest. This suggest that the dykes in-filled the fault structure first with the spaces left open available for the deposition of the late stage gold-rich veins.

There were a total of 108 samples collected from the Maverick vein system. Samples were obtained by chip channel samples that normally included a footwall interval, the vein and a hanging wall interval. The channel samples were normally collected at five (5) to ten (10) meter intervals along the vein system. The 51 samples of vein material from the Maverick vein all yielded significant gold values ranging from 2.33 to 281.0 grams per tonne. The average grade of the gold-rich vein samples is 43.28 grams per tonne gold. The footwall and hanging wall sample intervals contained very low gold grades rarely up to one (1) gram per tonne but normally less than 0.5 grams per tonne.

Skyline (2650 N) Vein system

There were a total of 20 samples were collected from the Skyline vein system. The samples were normally collected at five (5) meter intervals along the veins. At approximately 387430 East an area was washed and sampled in detail from the hanging wall to the footwall. The 14 quartz vein samples yielded gold values ranging from 1.41 to 36.0 grams per tonne gold. The average grade of 14 vein samples is 11.86 grams per tonne gold.

"L" Vein trench

Twelve (12) samples were collected from the "L" trench. Six (6) samples were collected from the vein and the remainder was collected from the enclosing rocks. The assays from the vein ranged from 2.35 to 27.50 grams per ton gold. The samples had an average grade of 9.7 grams per tonne gold.

"Grussy" Shear Zone Sampling

Nine (9) samples were collected from the clay-rich northeasterly trending "grussy" shear zones north of the Maverick and eleven (11) samples of "grussy" shear zone material were collected from the Maverick trenches. There was no detectable gold in any of the samples.

Samples of typical vein material

A suite of six various quartz veins from the 2850 and 2650 vein systems yielded assays ranging from 9.47 gpt to 281 gpt gold. The lowest values (9.47 gpt and 14.5 gpt) were obtained from quartz vein material that contained orange limonite and weak or low manganese oxide. The intermediate-grade vein samples (36 gpt and 41.5 gpt) contained dark to dull rusty or orange brown oxides with dendritic manganese and/or manganese on fracture surfaces. The high-grade quartz vein samples (281 gpt and 65.3 gpt) appeared

unweathered with no iron oxidation products. The samples were dull grey and the highest grade sample contained manganese in a dendritic pattern.

7.0 CONCLUSIONS AND RECOMMENDATIONS

The multiple mineralized veins that occur on the Vic project that are persistent along strike and previous drilling indicates that the veins are also persistent down dip. The exploration to date indicates that veins or vein structures that contain low gold values potentially could develop into stronger and richer grade veins. The fault zones hosting the mineralized veins are distinct at surface with strong rusty weathering and clay-rich zones. All of the know veins are open to further exploration to the east or west. The key to new discoveries is to explore along the fault zone structures.

Although the veins are narrow, the high-grade gold-rich veins are intriguing exploration targets especially if additional vein structures are discovered.

Additional trenching is recommended to fill-in between existing trenches, specifically between the Skyline and Maverick veins. The gold-rich quartz vein segments have lengths of between 10 and 15 meters, therefore with wider spacing between trenches the veins may not be exposed.

8.0 REFERENCES

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APPENDIX 1

STATEMENT OF QUALIFICATIONS

ROBERT W. STROSHEIN P.ENG.

I, Robert W. Stroshein of the City of Whitehorse, Yukon Territory, hereby certify that:

1. I am a Professional Engineer registered (No. 1165) as a member of the Association of Professional Engineers of Yukon Territory.

2. I graduated from the University of Saskatchewan at Saskatoon, Saskatchewan in 1973 with a Bachelor of Science Degree in Geological Engineering.

3. I have been actively engaged as an Exploration Geologist in the Mineral Industry in Western Canada since graduation.

4. I have supervised and reported on the exploration on the Aurchem Explortaion Ltd. Vic 30 claim during 2008.

5. My business address is:

106 – # 3 Glacier Lane
P.O. Box 10559
Whitehorse, Yukon Territory
Y1A 7A1

Signed,

_____ May 22, 2009

Robert W. Stroshein, P.Eng.

Aurchem Exploration Ltd.
Discovery Creek Project
Claim Listing

ClaimName	Claim No.	Grant No.	Claim Owner	ClaimExpiryDate	Status	QuartzLease
RICCO		4209	Aurchem Exploration Ltd. - 100%.	27/11/2019	Active	OW00037
HAZEL ANNE		4210	Aurchem Exploration Ltd. - 100%.	27/11/2019	Active	OW00038
SUNSET		4243	Aurchem Exploration Ltd. - 100%.	27/11/2019	Active	OW00039
MACK		39134	Aurchem Exploration Ltd. - 100%.	27/11/2019	Active	OW00040
IDA MAY		39192	Aurchem Exploration Ltd. - 100%.	27/11/2019	Active	OW00041
MYRTLE		55602	Aurchem Exploration Ltd. - 100%.	27/11/2019	Active	OW00042
COURTLAND		55836	Aurchem Exploration Ltd. - 100%.	27/11/2019	Active	OW00043
VIC	7	Y 76007	Aurchem Exploration Ltd. - 100%.	01/12/2022	Active	
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RAT	22	YA81449	Aurchem Exploration Ltd. - 100%.	28/02/2011	Active	
RAT	23	YA81450	Aurchem Exploration Ltd. - 100%.	28/02/2011	Active	
RAT	24	YA81451	Aurchem Exploration Ltd. - 100%.	28/02/2011	Active	
RAT	25	YA81452	Aurchem Exploration Ltd. - 100%.	28/02/2010	Active	
RAT	26	YA81453	Aurchem Exploration Ltd. - 100%.	28/02/2010	Active	
RAT	27	YA81454	Aurchem Exploration Ltd. - 100%.	28/02/2010	Active	
RAT	28	YA81455	Aurchem Exploration Ltd. - 100%.	28/02/2010	Active	
RAT	29	YA81456	Aurchem Exploration Ltd. - 100%.	28/02/2010	Active	
RAT	30	YA81457	Aurchem Exploration Ltd. - 100%.	28/02/2010	Active	
RAT	31	YA81458	Aurchem Exploration Ltd. - 100%.	28/02/2010	Active	
RAT	32	YA81459	Aurchem Exploration Ltd. - 100%.	28/02/2010	Active	
RAT	33	YA81460	Aurchem Exploration Ltd. - 100%.	28/02/2010	Active	
RAT	34	YA81461	Aurchem Exploration Ltd. - 100%.	28/02/2010	Active	
RAT	35	YA81462	Aurchem Exploration Ltd. - 100%.	28/02/2010	Active	
RAT	36	YA81463	Aurchem Exploration Ltd. - 100%.	28/02/2010	Active	
RAT	37	YA81464	Aurchem Exploration Ltd. - 100%.	28/02/2010	Active	
RAT	38	YA81465	Aurchem Exploration Ltd. - 100%.	28/02/2010	Active	
RAT	39	YA81466	Aurchem Exploration Ltd. - 100%.	28/02/2010	Active	
RAT	40	YA81467	Aurchem Exploration Ltd. - 100%.	28/02/2010	Active	
WEDGE	1	YA82167	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
WEDGE	2	YA82168	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
WEDGE	3	YA82169	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
WEDGE	4	YA82170	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
WEDGE	5	YA82171	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
WEDGE	6	YA82172	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
WEDGE	7	YA82173	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
WEDGE	8	YA82174	Aurchem Exploration Ltd. - 100%.	01/12/2016	Active	
WEDGE	9	YA82175	Aurchem Exploration Ltd. - 100%.	01/12/2016	Active	
WEDGE	10	YA82176	Aurchem Exploration Ltd. - 100%.	01/12/2016	Active	
WEDGE	11	YA82177	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
WEDGE	12	YA82178	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
WEDGE	13	YA82179	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
WEDGE	14	YA82180	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
WEDGE	15	YA82181	Aurchem Exploration Ltd. - 100%.	01/12/2016	Active	
BULL	9	YA86288	Aurchem Exploration Ltd. - 100%.	01/12/2014	Active	
BULL	10	YA86289	Aurchem Exploration Ltd. - 100%.	01/12/2014	Active	
BULL	11	YA86290	Aurchem Exploration Ltd. - 100%.	29/02/2012	Active	
BULL	12	YA86291	Aurchem Exploration Ltd. - 100%.	29/02/2016	Active	
BULL	13	YA86292	Aurchem Exploration Ltd. - 100%.	29/02/2016	Active	
BULL	14	YA86293	Aurchem Exploration Ltd. - 100%.	29/02/2016	Active	
BULL	15	YA86294	Aurchem Exploration Ltd. - 100%.	28/02/2015	Active	
BULL	16	YA86295	Aurchem Exploration Ltd. - 100%.	28/02/2015	Active	
BULL	17	YA86296	Aurchem Exploration Ltd. - 100%.	28/02/2015	Active	
BULL	18	YA86297	Aurchem Exploration Ltd. - 100%.	28/02/2015	Active	
BULL	19	YA86298	Aurchem Exploration Ltd. - 100%.	28/02/2015	Active	
BULL	20	YA86299	Aurchem Exploration Ltd. - 100%.	28/02/2015	Active	
BULL	21	YA86300	Aurchem Exploration Ltd. - 100%.	28/02/2010	Active	
BULL	22	YA86301	Aurchem Exploration Ltd. - 100%.	28/02/2010	Active	
BULL	23	YA86302	Aurchem Exploration Ltd. - 100%.	28/02/2010	Active	
BULL	24	YA86303	Aurchem Exploration Ltd. - 100%.	28/02/2010	Active	
BULL	25	YA86304	Aurchem Exploration Ltd. - 100%.	28/02/2010	Active	
BULL	26	YA86305	Aurchem Exploration Ltd. - 100%.	28/02/2010	Active	
BULL	27	YA86306	Aurchem Exploration Ltd. - 100%.	28/02/2010	Active	
BULL	28	YA86307	Aurchem Exploration Ltd. - 100%.	28/02/2010	Active	
VIC	1	YA86308	Aurchem Exploration Ltd. - 100%.	01/12/2023	Active	
VIC	2	YA86309	Aurchem Exploration Ltd. - 100%.	01/12/2023	Active	
VIC	3	YA86310	Aurchem Exploration Ltd. - 100%.	01/12/2022	Active	
VIC	4	YA86311	Aurchem Exploration Ltd. - 100%.	01/12/2022	Active	
VIC	5	YA86312	Aurchem Exploration Ltd. - 100%.	01/12/2022	Active	
VIC	6	YA86313	Aurchem Exploration Ltd. - 100%.	01/12/2022	Active	
VIC	8	YA86314	Aurchem Exploration Ltd. - 100%.	01/12/2022	Active	

VIC	10	YA86315	Aurchem Exploration Ltd. - 100%.	01/12/2023	Active	
VIC	11	YA86316	Aurchem Exploration Ltd. - 100%.	01/12/2023	Active	
VIC	12	YA86317	Aurchem Exploration Ltd. - 100%.	01/12/2023	Active	
VIC	13	YA86318	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VIC	14	YA86319	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VIC	15	YA86320	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VIC	16	YA86321	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VIC	17	YA86322	Aurchem Exploration Ltd. - 100%.	01/12/2023	Active	
VIC	18	YA86323	Aurchem Exploration Ltd. - 100%.	01/12/2023	Active	
VIC	19	YA86324	Aurchem Exploration Ltd. - 100%.	01/12/2022	Active	
VIC	20	YA86325	Aurchem Exploration Ltd. - 100%.	01/12/2022	Active	
VIC	21	YA86326	Aurchem Exploration Ltd. - 100%.	01/12/2023	Active	
VIC	22	YA86327	Aurchem Exploration Ltd. - 100%.	01/12/2022	Active	
VIC	23	YA86328	Aurchem Exploration Ltd. - 100%.	01/12/2023	Active	
VIC	25	YA86329	Aurchem Exploration Ltd. - 100%.	01/12/2023	Active	
VIC	27	YA86330	Aurchem Exploration Ltd. - 100%.	01/12/2023	Active	
VIC	28	YA86331	Aurchem Exploration Ltd. - 100%.	01/12/2023	Active	
VIC	29	YA86332	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VIC	30	YA86333	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VIC	31	YA86334	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VIC	32	YA86335	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
ETZEL	1	YA86336	Aurchem Exploration Ltd. - 100%.	01/12/2023	Active	
ETZEL	2	YA86337	Aurchem Exploration Ltd. - 100%.	01/12/2023	Active	
ETZEL	3	YA86338	Aurchem Exploration Ltd. - 100%.	01/12/2023	Active	
ETZEL	4	YA86339	Aurchem Exploration Ltd. - 100%.	01/12/2023	Active	
ETZEL	5	YA86340	Aurchem Exploration Ltd. - 100%.	01/12/2023	Active	
ETZEL	6	YA86341	Aurchem Exploration Ltd. - 100%.	01/12/2023	Active	
ETZEL	7	YA86342	Aurchem Exploration Ltd. - 100%.	01/12/2023	Active	
ETZEL	8	YA86343	Aurchem Exploration Ltd. - 100%.	01/12/2023	Active	
ETZEL	9	YA86344	Aurchem Exploration Ltd. - 100%.	01/12/2023	Active	
ETZEL	10	YA86345	Aurchem Exploration Ltd. - 100%.	01/12/2023	Active	
ETZEL	11	YA86346	Aurchem Exploration Ltd. - 100%.	01/12/2023	Active	
ETZEL	12	YA86347	Aurchem Exploration Ltd. - 100%.	01/12/2023	Active	
ETZEL	13	YA86348	Aurchem Exploration Ltd. - 100%.	01/12/2022	Active	
ETZEL	14	YA86349	Aurchem Exploration Ltd. - 100%.	01/12/2022	Active	
ETZEL	15	YA86350	Aurchem Exploration Ltd. - 100%.	01/12/2022	Active	
ETZEL	16	YA86351	Aurchem Exploration Ltd. - 100%.	01/12/2022	Active	
ETZEL	17	YA86352	Aurchem Exploration Ltd. - 100%.	01/12/2022	Active	
ETZEL	18	YA86353	Aurchem Exploration Ltd. - 100%.	01/12/2023	Active	
ETZEL	19	YA86354	Aurchem Exploration Ltd. - 100%.	01/12/2023	Active	
ETZEL	20	YA86355	Aurchem Exploration Ltd. - 100%.	01/12/2023	Active	
ETZEL	21	YA86356	Aurchem Exploration Ltd. - 100%.	01/12/2022	Active	
ETZEL	22	YA86357	Aurchem Exploration Ltd. - 100%.	01/12/2022	Active	
ETZEL	23	YA86358	Aurchem Exploration Ltd. - 100%.	01/12/2022	Active	
ETZEL	24	YA86359	Aurchem Exploration Ltd. - 100%.	01/12/2022	Active	
ETZEL	25	YA86360	Aurchem Exploration Ltd. - 100%.	01/12/2022	Active	
ETZEL	26	YA86361	Aurchem Exploration Ltd. - 100%.	01/12/2022	Active	
ETZEL	27	YA86362	Aurchem Exploration Ltd. - 100%.	01/12/2022	Active	
ETZEL	28	YA86363	Aurchem Exploration Ltd. - 100%.	01/12/2022	Active	
ETZEL	29	YA86364	Aurchem Exploration Ltd. - 100%.	01/12/2023	Active	
ETZEL	30	YA86365	Aurchem Exploration Ltd. - 100%.	01/12/2023	Active	
ETZEL	31	YA86366	Aurchem Exploration Ltd. - 100%.	01/12/2023	Active	
ETZEL	32	YA86367	Aurchem Exploration Ltd. - 100%.	01/12/2023	Active	
ETZEL	33	YA86368	Aurchem Exploration Ltd. - 100%.	01/12/2019	Active	
ETZEL	34	YA86369	Aurchem Exploration Ltd. - 100%.	01/12/2023	Active	
ETZEL	35	YA86370	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
ETZEL	36	YA86371	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
ETZEL	37	YA86372	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
ETZEL	38	YA86373	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
ETZEL	39	YA86374	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
ETZEL	40	YA86375	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
ETZEL	41	YA86376	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
ETZEL	42	YA86377	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
ETZEL	43	YA86378	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
ETZEL	44	YA86379	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
ETZEL	45	YA86380	Aurchem Exploration Ltd. - 100%.	01/12/2022	Active	
ETZEL	46	YA86381	Aurchem Exploration Ltd. - 100%.	01/12/2022	Active	

ETZEL	47	YA86382	Aurchem Exploration Ltd. - 100%.	01/12/2022	Active	
ETZEL	48	YA86383	Aurchem Exploration Ltd. - 100%.	01/12/2022	Active	
ETZEL	49	YA86384	Aurchem Exploration Ltd. - 100%.	01/12/2022	Active	
ETZEL	50	YA86385	Aurchem Exploration Ltd. - 100%.	01/12/2022	Active	
OX	1	YA86386	Aurchem Exploration Ltd. - 100%.	20/12/2010	Active	
OX	2	YA86387	Aurchem Exploration Ltd. - 100%.	20/12/2010	Active	
OX	3	YA86388	Aurchem Exploration Ltd. - 100%.	20/12/2010	Active	
OX	4	YA86389	Aurchem Exploration Ltd. - 100%.	20/12/2010	Active	
OX	5	YA86390	Aurchem Exploration Ltd. - 100%.	20/12/2010	Active	
OX	6	YA86391	Aurchem Exploration Ltd. - 100%.	20/12/2010	Active	
OX	7	YA86392	Aurchem Exploration Ltd. - 100%.	20/12/2010	Active	
OX	8	YA86393	Aurchem Exploration Ltd. - 100%.	20/12/2010	Active	
OX	9	YA86394	Aurchem Exploration Ltd. - 100%.	20/12/2010	Active	
OX	10	YA86395	Aurchem Exploration Ltd. - 100%.	20/12/2010	Active	
OX	11	YA86396	Aurchem Exploration Ltd. - 100%.	20/12/2010	Active	
OX	12	YA86397	Aurchem Exploration Ltd. - 100%.	20/12/2010	Active	
OX	13	YA86398	Aurchem Exploration Ltd. - 100%.	20/12/2010	Active	
OX	14	YA86399	Aurchem Exploration Ltd. - 100%.	20/12/2010	Active	
OX	15	YA86400	Aurchem Exploration Ltd. - 100%.	20/12/2010	Active	
OX	16	YA86401	Aurchem Exploration Ltd. - 100%.	20/12/2010	Active	
OX	17	YA86402	Aurchem Exploration Ltd. - 100%.	20/12/2010	Active	
OX	18	YA86403	Aurchem Exploration Ltd. - 100%.	20/12/2010	Active	
OX	19	YA86404	Aurchem Exploration Ltd. - 100%.	20/12/2010	Active	
OX	20	YA86405	Aurchem Exploration Ltd. - 100%.	20/12/2010	Active	
VG	1	YA86406	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VG	2	YA86407	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VG	3	YA86408	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VG	4	YA86409	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VG	5	YA86410	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VG	6	YA86411	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VG	7	YA86412	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VG	8	YA86413	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VIC	33	YA93037	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
VIC	34	YA93038	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
VIC	35	YA93039	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
VIC	36	YA93040	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
VIC	37	YA93041	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
VIC	38	YA93042	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
VIC	39	YA93043	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
VIC	40	YA93044	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
VIC	41	YA93045	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
VIC	42	YA93046	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
VIC	43	YA93047	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
VIC	44	YA93048	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
VIC	45	YA93049	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
VIC	46	YA93050	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
VIC	47	YA93051	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
VIC	48	YA93052	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
VIC	49	YA93053	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
VIC	50	YA93054	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
VIC	52	YA93056	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
VIC	54	YA93058	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
VIC	107	YA93111	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
VIC	108	YA93112	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
VIC	109	YA93113	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
VIC	110	YA93114	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
VIC	111	YA93115	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
VIC	112	YA93116	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
VIC	113	YA93117	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
VIC	114	YA93118	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
VIC	115	YA93119	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
VIC	116	YA93120	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
VIC	117	YA93121	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
VIC	118	YA93122	Aurchem Exploration Ltd. - 100%.	01/12/2020	Active	
RAS	1	YA93138	Aurchem Exploration Ltd. - 100%.	01/12/2016	Active	
RAS	2	YA93139	Aurchem Exploration Ltd. - 100%.	01/12/2016	Active	
RAS	3	YA93140	Aurchem Exploration Ltd. - 100%.	01/12/2016	Active	

RAS	4	YA93141	Aurchem Exploration Ltd. - 100%.	01/12/2010	Active	
DIC	1	YA93470	Aurchem Exploration Ltd. - 100%.	11/12/2009	Active	
DIC	2	YA93471	Aurchem Exploration Ltd. - 100%.	11/12/2009	Active	
DIC	3	YA93472	Aurchem Exploration Ltd. - 100%.	11/12/2009	Active	
DIC	4	YA93473	Aurchem Exploration Ltd. - 100%.	11/12/2009	Active	
DIC	5	YA93474	Aurchem Exploration Ltd. - 100%.	11/12/2009	Active	
DIC	6	YA93475	Aurchem Exploration Ltd. - 100%.	11/12/2009	Active	
DIC	7	YA93476	Aurchem Exploration Ltd. - 100%.	11/12/2009	Active	
WEDGE	16	YA93843	Aurchem Exploration Ltd. - 100%.	26/12/2012	Active	
WEDGE	17	YA93844	Aurchem Exploration Ltd. - 100%.	26/12/2012	Active	
LGCS	1	YA95014	Aurchem Exploration Ltd. - 100%.	01/12/2010	Active	
LGCS	3	YA95016	Aurchem Exploration Ltd. - 100%.	01/12/2012	Active	
MSL		YA95099	Aurchem Exploration Ltd. - 100%.	01/12/2016	Active	
BIT	1	YA97733	Aurchem Exploration Ltd. - 100%.	01/12/2011	Active	
BIT	2	YA97734	Aurchem Exploration Ltd. - 100%.	01/12/2010	Active	
BIT	3	YA97735	Aurchem Exploration Ltd. - 100%.	01/12/2010	Active	
BIT	4	YA97736	Aurchem Exploration Ltd. - 100%.	01/12/2012	Active	
BIT	5	YA97737	Aurchem Exploration Ltd. - 100%.	01/12/2011	Active	
EAGLE	1	YB35415	Aurchem Exploration Ltd. - 100%.	15/01/2010	Active	
EAGLE	2	YB35416	Aurchem Exploration Ltd. - 100%.	15/01/2010	Active	
EAGLE	3	YB35417	Aurchem Exploration Ltd. - 100%.	15/01/2010	Active	
EAGLE	4	YB35418	Aurchem Exploration Ltd. - 100%.	15/01/2010	Active	
EAGLE	5	YB35419	Aurchem Exploration Ltd. - 100%.	15/01/2010	Active	
EAGLE	6	YB35420	Aurchem Exploration Ltd. - 100%.	15/01/2010	Active	
EAGLE	7	YB35421	Aurchem Exploration Ltd. - 100%.	15/01/2010	Active	
EAGLE	8	YB35422	Aurchem Exploration Ltd. - 100%.	15/01/2010	Active	
EAGLE	9	YB35423	Aurchem Exploration Ltd. - 100%.	15/01/2010	Active	
EAGLE	10	YB35424	Aurchem Exploration Ltd. - 100%.	15/01/2010	Active	
EAGLE	11	YB35425	Aurchem Exploration Ltd. - 100%.	15/01/2010	Active	
EAGLE	12	YB35426	Aurchem Exploration Ltd. - 100%.	15/01/2010	Active	
DIC	101	YB35470	Aurchem Exploration Ltd. - 100%.	17/01/2010	Active	
DIC	102	YB35471	Aurchem Exploration Ltd. - 100%.	17/01/2010	Active	
DIC	103	YB35472	Aurchem Exploration Ltd. - 100%.	17/01/2010	Active	
DIC	104	YB35473	Aurchem Exploration Ltd. - 100%.	17/01/2010	Active	
DIC	105	YB35474	Aurchem Exploration Ltd. - 100%.	17/01/2010	Active	
DIC	106	YB35475	Aurchem Exploration Ltd. - 100%.	17/01/2010	Active	
JON-WEDGE	1	YB35895	Aurchem Exploration Ltd. - 100%.	01/12/2013	Active	
JON-WEDGE	2	YB35896	Aurchem Exploration Ltd. - 100%.	01/12/2011	Active	
JON-WEDGE	3	YB35897	Aurchem Exploration Ltd. - 100%.	01/12/2011	Active	
JON-WEDGE	4	YB35898	Aurchem Exploration Ltd. - 100%.	01/12/2009	Active	
JON-WEDGE	5	YB35899	Aurchem Exploration Ltd. - 100%.	01/12/2011	Active	
JON-WEDGE	6	YB35900	Aurchem Exploration Ltd. - 100%.	01/12/2011	Active	
JLZ	1	YB36258	Aurchem Exploration Ltd. - 100%.	01/12/2012	Active	
JBF	1	YB36259	Aurchem Exploration Ltd. - 100%.	01/12/2011	Active	
JBF	2	YB36954	Aurchem Exploration Ltd. - 100%.	01/12/2012	Active	
JBF	3	YB36955	Aurchem Exploration Ltd. - 100%.	01/12/2012	Active	
JBF	4	YB36956	Aurchem Exploration Ltd. - 100%.	01/12/2011	Active	
JBF	5	YB36957	Aurchem Exploration Ltd. - 100%.	01/12/2011	Active	
JBF	6	YB36958	Aurchem Exploration Ltd. - 100%.	01/12/2011	Active	
JBF	7	YB36959	Aurchem Exploration Ltd. - 100%.	01/12/2011	Active	
JBF	10	YB54543	Aurchem Exploration Ltd. - 100%.	05/12/2012	Active	
J.D.	1	YB54755	Aurchem Exploration Ltd. - 100%.	05/12/2012	Active	
J.D.	2	YB54756	Aurchem Exploration Ltd. - 100%.	05/12/2012	Active	
D	1	YB57373	Aurchem Exploration Ltd. - 100%.	20/01/2013	Active	
D	2	YB57374	Aurchem Exploration Ltd. - 100%.	20/01/2013	Active	
D	3	YB57375	Aurchem Exploration Ltd. - 100%.	20/01/2013	Active	
D	4	YB57376	Aurchem Exploration Ltd. - 100%.	20/01/2013	Active	
VIC	51	YC19413	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VIC	53	YC19414	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VIC	55	YC19415	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VIC	56	YC19416	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VIC	57	YC19417	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VIC	58	YC19418	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VIC	59	YC19419	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VIC	60	YC19420	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VIC	61	YC19421	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VIC	62	YC19422	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	

VIC	63	YC19423	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VIC	64	YC19424	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VIC	71	YC19425	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VIC	72	YC19426	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VIC	73	YC19427	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VIC	74	YC19428	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VIC	75	YC19429	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VIC	76	YC19430	Aurchem Exploration Ltd. - 100%.	01/12/2024	Active	
VIC	77	YC19431	Aurchem Exploration Ltd. - 100%.	01/12/2024	Active	
VIC	78	YC19432	Aurchem Exploration Ltd. - 100%.	01/12/2024	Active	
VIC	93	YC19433	Aurchem Exploration Ltd. - 100%.	01/12/2024	Active	
VIC	94	YC19434	Aurchem Exploration Ltd. - 100%.	01/12/2024	Active	
VIC	95	YC19435	Aurchem Exploration Ltd. - 100%.	01/12/2024	Active	
VIC	96	YC19436	Aurchem Exploration Ltd. - 100%.	01/12/2024	Active	
VIC	97	YC19437	Aurchem Exploration Ltd. - 100%.	01/12/2024	Active	
VIC	98	YC19438	Aurchem Exploration Ltd. - 100%.	01/12/2024	Active	
VIC	99	YC19439	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VIC	100	YC19440	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VIC	101	YC19441	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VIC	102	YC19442	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VIC	103	YC19443	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VIC	104	YC19444	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VIC	105	YC19445	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
VIC	106	YC19446	Aurchem Exploration Ltd. - 100%.	01/12/2021	Active	
JCS	1	YC25916	Aurchem Exploration Ltd. - 100%.	01/12/2019	Active	
JCS	2	YC25917	Aurchem Exploration Ltd. - 100%.	01/12/2019	Active	
JCS	3	YC25918	Aurchem Exploration Ltd. - 100%.	01/12/2019	Active	
JCS	4	YC25919	Aurchem Exploration Ltd. - 100%.	01/12/2019	Active	
JCS	5	YC25920	Aurchem Exploration Ltd. - 100%.	01/12/2017	Active	
JCS	6	YC25921	Aurchem Exploration Ltd. - 100%.	01/12/2017	Active	
JCS	7	YC25922	Aurchem Exploration Ltd. - 100%.	01/12/2017	Active	
JCS	8	YC25923	Aurchem Exploration Ltd. - 100%.	01/12/2017	Active	
JCS	9	YC25924	Aurchem Exploration Ltd. - 100%.	01/12/2017	Active	
JCS	10	YC25925	Aurchem Exploration Ltd. - 100%.	01/12/2017	Active	
JCS	11	YC25926	Aurchem Exploration Ltd. - 100%.	01/12/2017	Active	
JCS	12	YC25927	Aurchem Exploration Ltd. - 100%.	01/12/2017	Active	
JCS	13	YC25928	Aurchem Exploration Ltd. - 100%.	01/12/2017	Active	
JCS	14	YC25929	Aurchem Exploration Ltd. - 100%.	01/12/2017	Active	
JCS	15	YC25930	Aurchem Exploration Ltd. - 100%.	01/12/2017	Active	
JCS	16	YC25931	Aurchem Exploration Ltd. - 100%.	01/12/2017	Active	
JCS	17	YC25932	Aurchem Exploration Ltd. - 100%.	01/12/2017	Active	
JCS	18	YC25933	Aurchem Exploration Ltd. - 100%.	01/12/2017	Active	
JCS	19	YC25998	Aurchem Exploration Ltd. - 100%.	01/12/2018	Active	
JCS	20	YC25999	Aurchem Exploration Ltd. - 100%.	01/12/2018	Active	
JCS	21	YC26000	Aurchem Exploration Ltd. - 100%.	01/12/2018	Active	
JCS	22	YC26001	Aurchem Exploration Ltd. - 100%.	01/12/2018	Active	
JCS	23	YC26002	Aurchem Exploration Ltd. - 100%.	01/12/2018	Active	
JCS	24	YC26003	Aurchem Exploration Ltd. - 100%.	01/12/2018	Active	
JCS	25	YC26004	Aurchem Exploration Ltd. - 100%.	01/12/2018	Active	
JCS	26	YC26005	Aurchem Exploration Ltd. - 100%.	01/12/2018	Active	
JCS	27	YC26006	Aurchem Exploration Ltd. - 100%.	01/12/2019	Active	
JCS	28	YC26007	Aurchem Exploration Ltd. - 100%.	01/12/2019	Active	
JCS	29	YC26008	Aurchem Exploration Ltd. - 100%.	01/12/2019	Active	
JCS	30	YC26009	Aurchem Exploration Ltd. - 100%.	01/12/2019	Active	
JCS	31	YC26010	Aurchem Exploration Ltd. - 100%.	01/12/2019	Active	
JCS	32	YC26011	Aurchem Exploration Ltd. - 100%.	01/12/2019	Active	
JCS	33	YC26012	Aurchem Exploration Ltd. - 100%.	01/12/2019	Active	
JCS	34	YC26013	Aurchem Exploration Ltd. - 100%.	01/12/2019	Active	
JCS	35	YC26014	Aurchem Exploration Ltd. - 100%.	01/12/2019	Active	
JCS	36	YC26015	Aurchem Exploration Ltd. - 100%.	01/12/2019	Active	
JCS	37	YC26016	Aurchem Exploration Ltd. - 100%.	01/12/2019	Active	
JCS	38	YC26017	Aurchem Exploration Ltd. - 100%.	01/12/2019	Active	

AURCHEM EXPLORATION LTD.
SUMMARY OF EXPENDITURES FOR 2008
VIC PROJECT

Appendix 3

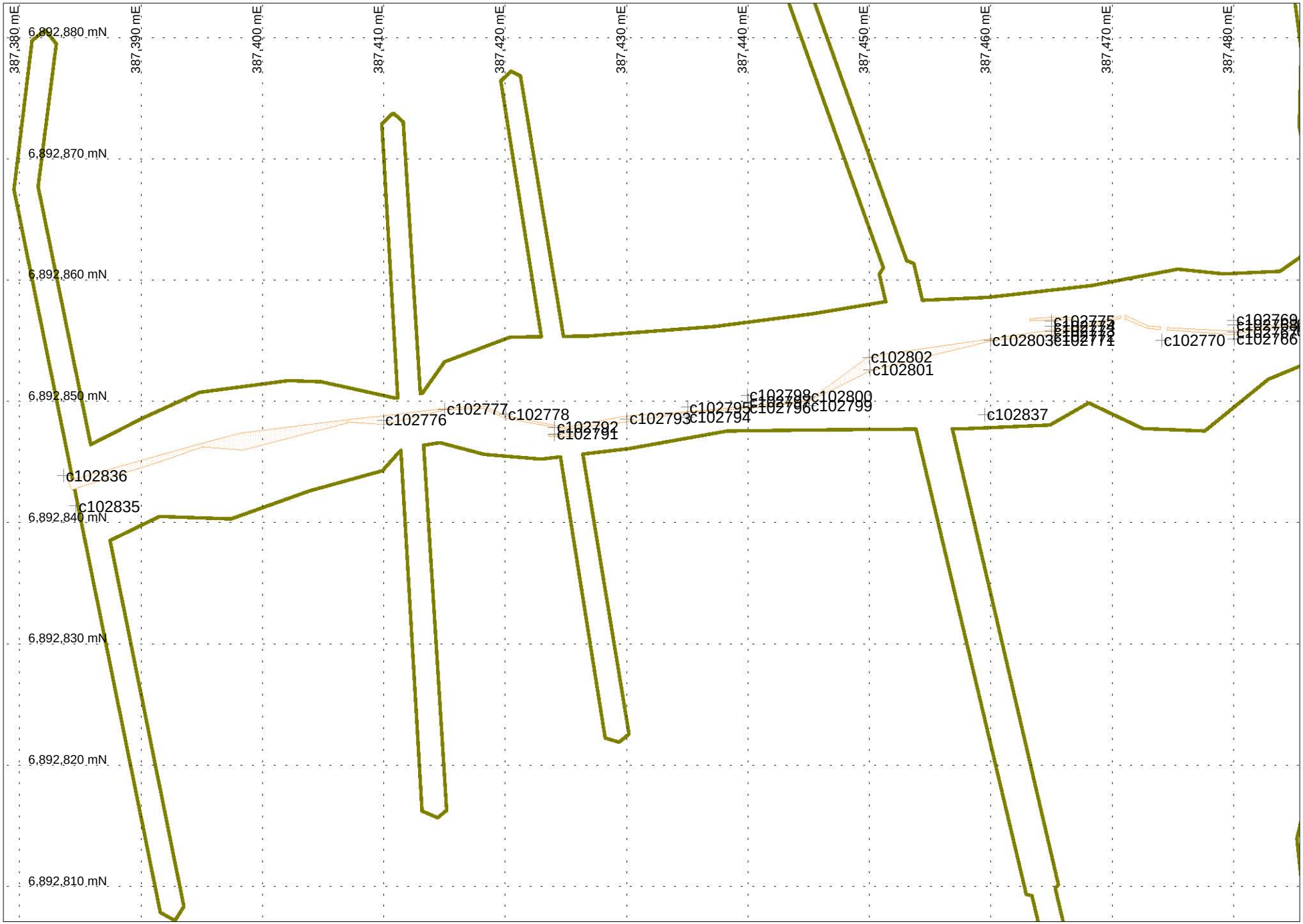
Aurchem Exploration - Summary of Expenditures											
2008 Season									**Grouping**		
								Total	**Vic**	**Discovery**	**Slate**
Field Mapping / sampling				Megan Wright (4 days @ 200/day)				$ 800.00	$ 800.00		
Assays				ALS Chemex				$ 7,853.42	$ 7,853.42		
Sample Shipping				Byers				$ -	$ -		
Excavator - MOB								$ -	$ -		
Excavator - Rental				Kando Entreprises				$ 28,213.50	$ 28,213.50		
Excavator - Rental				MacPherson Rental				$ 13,125.00	$ 13,125.00		
Excavator - Operator				Declan McGovern				$ -	$ -		
Bulldozer - Rental				Graceland Construction				$ 11,707.00	$ 11,707.00		
Camp costs				MacPherson Rental				$ 13,192.47	$ 13,192.47		
Camp Transport								$ -			
Fuel				North 60				$ 5,429.88	$ 5,429.88		
Management Expenses				Rob Schneider (12 weeks @ 1350/week)				$ 16,200.00	$ 16,200.00		
Professional Expenses				Marc Ellemers (MSc)				$ -	$ -		
Professional Expenses				Robert Stroshien (P.Eng)				$ -			
									$ 96,521.27	**$ -**	**$ -**
Signed,											
Rob Schneider											

Maverick Vein
Sample Locations, Descriptions
and Selected Assays

Appendix 4

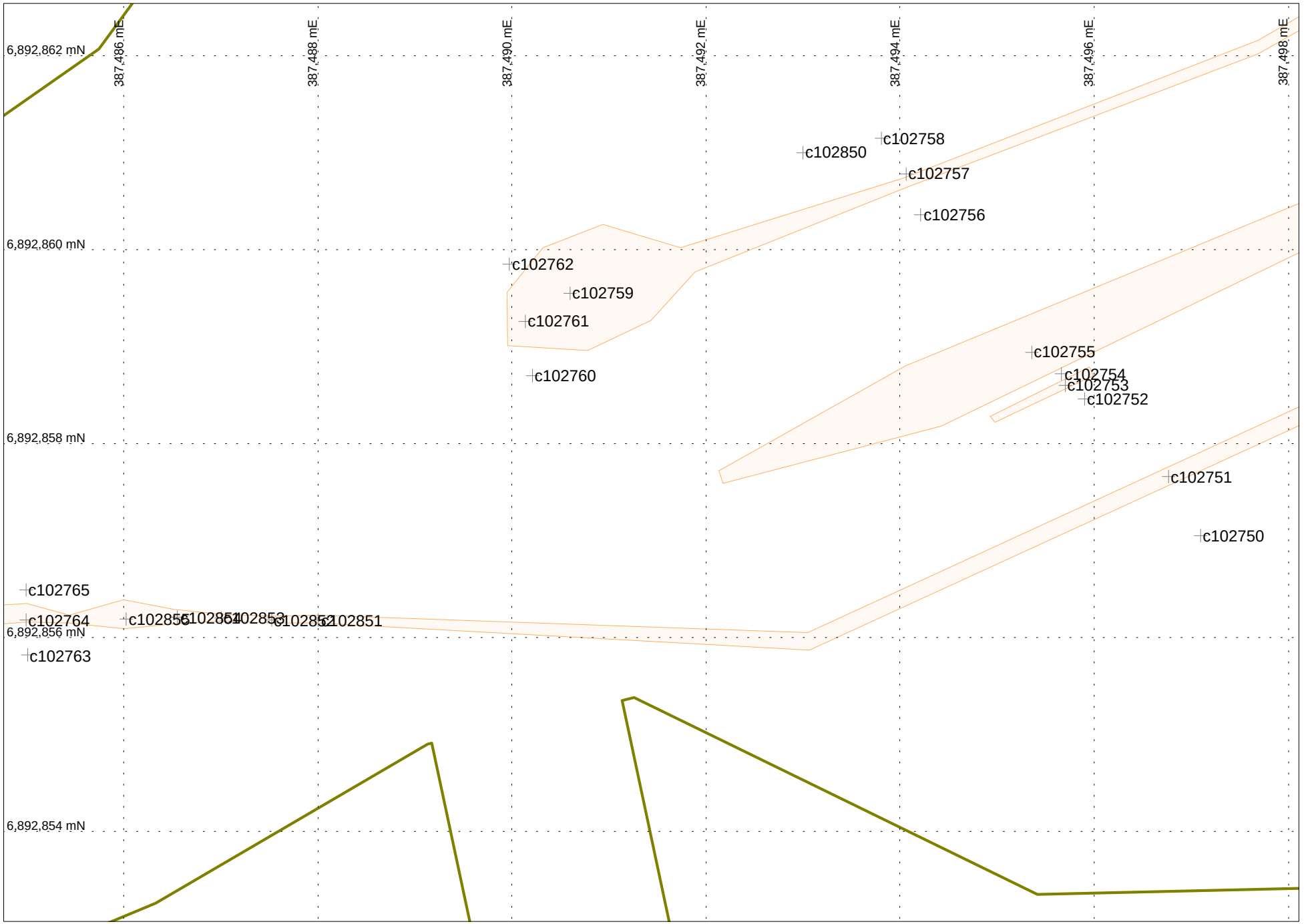
MAVERICK VEIN (2850 N)					Au-GRA21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
					Au	Ag	Al	As	Bi	Cu	Fe	K	Mn	Ni	Pb	Sb	Ta	Te	Th	W	Y	Zn
Sample	Utm EAST	Utm NORTH	Elev (M)	Rock Type	ppm	ppm	%	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
c102710	387579.5	6892865.2	1641.8	FW	0.53	0.16	7.80	5.3	4.59	24.3	3.61	3.88	864	33.7	17.8	2.72	0.76	0.63	5.8	5.9	21.6	59
c102711	387575.0	6892862.4	1641.8	HW	<0.05	0.21	8.64	11.7	0.69	24.2	3.66	4.00	873	8.2	22.5	2.73	0.67	0.05	4.1	5.7	18.8	66
c102712	387575.0	6892862.7	1641.8	Qz Vn	23.20	1.01	0.21	4.4	77.40	10.5	1.19	0.06	360	4.1	58.2	3.07	<0.05	11.80	0.2	0.4	3.6	28
c102713	387575.0	6892863.0	1643.3	FW	0.23	0.44	7.81	10.4	3.38	20.9	2.45	4.30	632	16.0	40.5	3.00	0.84	0.31	4.7	8.2	17.1	56
c102714	387570.0	6892862.6	1641.1	HW	0.11	0.10	8.43	9.9	2.04	17.7	3.00	4.39	540	6.8	20.5	2.31	0.89	0.09	4.7	3.7	13.8	70
c102715	387570.0	6892863.3	1642.8	Qz Vn	12.55	0.97	5.93	7.8	37.10	22.3	2.48	4.06	624	24.3	32.0	7.27	0.55	6.71	4.0	10.7	13.1	71
c102716	387570.0	6892864.0	1642.8	Qz Vn	14.40	0.71	0.94	9.2	85.80	10.9	2.42	0.71	692	6.6	40.8	7.51	0.06	11.90	1.0	3.0	7.2	51
c102717	387565.0	6892863.8	1644.7	HW	0.44	0.08	8.55	14.8	3.54	26.8	4.03	3.98	1100	24.3	27.8	2.98	0.95	0.42	5.4	3.6	13.8	101
c102718	387565.0	6892864.6	1645.4	Qz Vn	24.50	0.74	0.53	2.9	105.50	8.0	0.51	0.28	291	1.9	26.1	6.42	0.05	14.55	0.3	1.9	1.4	11
c102719	387565.0	6892865.3	1644.5	FW	0.92	0.24	8.16	12.4	6.85	17.8	3.09	4.37	1120	7.0	60.9	4.40	0.79	0.72	4.7	7.7	12.0	83
c102720	387560.0	6892863.3	1643.3	HW	1.09	0.38	7.94	10.4	4.55	52.1	3.92	4.36	1260	34.8	59.0	3.90	1.03	0.65	4.8	5.0	19.7	279
c102721	387560.0	6892864.2	1643.0	Qz Vn	16.15	1.76	0.63	7.1	66.60	26.5	1.92	0.22	724	7.0	221.0	4.52	<0.05	9.74	0.4	2.3	6.2	113
c102722	387560.0	6892864.9	1642.3	FW	0.55	0.69	8.46	10.0	3.34	36.9	3.24	4.40	780	7.1	101.0	3.73	1.04	0.42	6.9	5.4	11.4	147
c102723	387555.0	6892863.0	1638.4	HW	0.17	0.14	8.59	15.7	2.38	36.9	2.60	5.35	1170	5.2	22.2	25.40	0.77	0.18	3.4	8.3	10.3	52
c102724	387555.0	6892863.6	1638.7	Qz Vn	7.96	0.59	2.31	5.5	32.20	8.9	0.94	2.31	219	3.2	36.7	6.09	0.30	4.86	1.4	4.8	5.7	26
c102725	387555.0	6892864.4	1639.4	FW	0.89	0.17	7.40	7.5	3.80	28.9	4.09	3.26	1105	59.3	24.7	5.95	0.77	0.52	5.6	3.8	20.5	100
c102726	387550.0	6892864.0	1640.1	HW	0.20	0.49	7.70	6.6	7.73	16.4	3.02	4.54	637	8.0	97.3	2.66	0.65	0.80	5.0	4.0	17.1	65
c102727	387550.0	6892864.8	1640.1	Qz Vn	16.85	1.77	0.14	4.0	76.70	6.8	0.59	0.03	228	2.8	55.3	4.64	<0.05	12.25	<0.2	0.5	1.7	17
c102728	387550.0	6892865.4	1639.9	FW	0.45	0.33	6.89	8.6	3.47	22.1	3.76	3.22	757	46.2	43.3	2.60	0.77	0.48	4.8	3.6	16.4	82
c102729	387545.0	6892863.1	1639.9	HW	0.13	0.17	7.85	6.9	2.96	12.6	2.91	5.37	538	7.9	22.8	2.70	0.62	0.43	3.8	8.6	14.5	83
c102730	387545.0	6892863.3	1639.6	Qz Vn	8.33	1.30	1.34	2.6	80.70	6.9	0.56	1.10	283	2.6	39.4	2.64	0.10	12.70	0.9	4.5	3.1	16
c102731	387545.0	6892863.6	1639.6	FW	0.07	0.22	7.64	9.5	1.52	17.9	1.97	5.67	950	11.6	49.3	2.94	0.71	0.30	5.5	12.7	16.7	58
c102732	387537.5	6892863.3	1635.1	HW	0.28	0.14	8.53	16.0	4.35	15.2	2.74	5.68	524	7.2	18.7	4.38	0.63	0.82	4.1	3.9	15.3	42
c102733	387537.5	6892863.9	1637.7	Qz Vn	2.87	0.25	1.10	2.8	15.00	4.7	0.36	1.15	72	1.3	8.2	7.59	0.09	2.49	1.0	2.4	2.2	5
c102734	387537.6	6892864.7	1636.8	HW	0.59	0.47	8.09	16.2	11.40	10.6	2.19	5.34	763	5.0	40.7	5.84	0.89	2.21	5.1	11.8	14.3	34
c102735	387537.6	6892865.5	1637.0	Qz Vn	16.90	3.37	0.76	3.3	102.50	11.3	0.59	0.64	86	1.6	57.7	5.36	0.05	12.65	0.3	3.5	1.6	8
c102736	387537.5	6892866.3	1636.8	FW	0.07	0.18	8.30	15.6	2.12	19.6	2.83	3.75	982	5.2	33.6	5.32	1.04	0.20	8.2	9.7	13.2	44
c102737	387530.0	6892864.4	1638.0	HW	0.83	0.37	6.74	19.2	14.00	14.6	2.75	5.12	1510	7.2	22.7	26.60	0.84	2.24	4.2	10.7	16.7	42
c102738	387530.0	6892865.1	1637.2	Qz Vn	3.72	0.49	2.23	15.7	23.60	15.8	2.12	0.85	626	8.6	14.9	12.70	0.18	3.30	1.7	5.0	7.8	41
c102739	387530.0	6892865.8	1638.2	FW	0.94	0.21	7.92	17.9	6.56	18.2	2.51	5.39	492	6.9	27.4	24.10	1.25	1.08	5.4	13.0	15.4	50
c102740	387524.1	6892866.2	1636.8	Grussy shear	<0.05	0.08	7.88	8.2	0.36	41.2	4.77	2.11	846	22.6	16.0	5.66	0.65	<0.05	12.5	2.3	22.8	71
c102741	387520.8	6892865.8	1636.8	Grussy shear	<0.05	0.05	7.77	5.5	0.22	30.5	4.50	2.21	818	16.1	12.8	1.44	0.60	<0.05	11.4	1.3	19.6	67
c102742	387510.0	6892866.9	1634.8	Grussy shear	<0.05	0.07	8.17	10.6	0.19	27.1	4.28	2.46	697	13.4	15.3	12.85	0.62	0.08	13.1	3.0	23.2	70
c102743	387510.0	6892867.8	1635.3	Grussy shear	<0.05	0.08	7.28	10.3	0.43	17.8	3.29	2.48	573	10.3	17.0	9.15	0.68	0.10	14.6	2.1	19.2	48
c102744	387505.0	6892863.6	1634.1	HW	1.03	0.23	8.33	13.0	4.47	27.6	3.33	4.18	335	7.7	23.5	8.35	1.05	2.39	7.0	2.2	20.5	43
c102745	387505.0	6892864.2	1636.8	Qz Vn - 1	12.25	1.20	1.60	5.9	68.90	10.7	0.84	0.95	139	3.4	45.4	5.53	0.22	12.85	1.7	2.5	3.6	65
c102746	387505.0	6892864.9	1635.6	Intermediate	0.21	0.08	6.83	4.7	1.55	5.3	1.12	3.06	364	3.0	14.5	3.64	0.84	0.47	17.7	2.3	14.3	17
c102747	387505.0	6892865.4	1635.8	Qz Vn - 2	20.60	0.61	1.58	3.9	75.70	4.9	0.69	1.22	69	1.9	11.0	6.11	0.13	13.05	0.8	3.0	2.1	9
c102748	387505.0	6892866.2	1635.1	FW	0.07	0.12	7.93	8.1	2.56	6.4	1.34	4.23	195	3.9	20.7	5.68	0.98	0.43	15.9	5.8	16.2	26
c102749	387505.0	6892867.2	1634.6	FW	0.10	0.18	9.43	15.8	1.72	31.2	3.15	4.58	541	9.7	65.3	29.30	1.12	0.32	8.3	10.9	17.0	57
c102750	387497.1	6892857.1	1634.1	HW	0.38	0.08	8.56	8.0	3.76	14.8	2.60	5.36	662	7.4	14.0	1.76	1.35	0.61	6.9	3.9	16.8	35
c102751	387496.8	6892857.7	1633.6	Qz Vn - 1	35.50	0.32	3.43	4.4	118.00	3.7	0.98	2.89	226	4.5	6.9	3.40	0.54	19.85	3.1	7.2	4.9	18
c102752	387495.9	6892858.5	1633.6	Intermediate	0.72	0.31	8.51	11.6	7.95	16.4	2.20	5.40	421	7.6	16.6	3.05	1.17	1.48	5.8	5.7	12.6	33
c102753	387495.7	6892858.6	1633.4	Qz Vn - 2	36.70	0.58	1.60	7.0	117.00	3.8	0.71	1.29	216	2.8	12.9	4.29	0.24	21.30	0.9	5.5	3.4	21
c102754	387495.7	6892858.7	1632.7	Intermediate	3.27	0.76	8.47	13.4	24.10	3.3	1.55	5.34	648	4.7	33.5	4.50	1.54	3.66	12.6	21.9	12.9	33
c102755	387495.4	6892858.9	1633.2	Qz Vn	36.80	0.65	0.46	3.3	135.00	3.8	0.58	0.35	185	3.0	13.1	5.07	0.05	24.50	0.2	2.3	1.8	14
c102756	387494.2	6892860.4	1633.9	HW	0.10	0.11	8.05	9.1	1.72	3.6	1.64	4.51	605	5.0	25.3	3.68	0.92	0.53	21.5	3.0	17.5	40
c102757	387494.1	6892860.8	1633.9	Qz Vn - 3	160.50	3.57	0.29	<0.2	628.00	8.9	0.47	0.05	80	2.8	80.1	6.59	0.18	102.50	<0.2	4.7	1.1	18
c102758	387493.8	6892861.2	1634.1	FW	0.41	0.39	8.05	12.3	5.18	5.5	3.04	3.64	567	8.2	32.1	10.80	1.18	0.86	8.6	11.0	18.8	69
c102759	387490.6	6892859.6	1635.1	Qz Vn	24.90	1.38	0.85	4.5	236.00	4.8	0.61	0.55	193	2.7	25.8	3.60	0.15	15.05	0.5	5.4	2.3	14
c102760	387490.2	6892858.7	1635.1	HW	0.64	0.11	6.82	8.0	4.46	3.3	1.55	3.27	611	4.5	16.4	5.62	0.93	0.89	17.2	3.9	14.9	31
c102761	387490.1	6892859.3	1633.2	Qz Vn	5.51	0.53	1.95	8.6	47.70	4.4	0.96	1.34	192	4.3	21.4	5.13	0.32	3.77	0.9	3.5	3.6	19
c102762	387490.0	6892859.9	1634.6	FW	0.28	0.13	7.85	26.5	2.67	10.7	4.29	3.76	1555	12.5	24.2	21.20	1.07	0.94	15.3	7.1	27.1	85
c102763	387485.0	6892855.8	1633.6	HW	0.50	0.05	7.52	12.6	2.58	9.2	2.66	3.48	713	8.5	19.3	7.06	1.36	0.50	5.2	5.4	16.2	45
c102764	387485.0	6892856.2	1633.2	Qz Vn - 1	22.30	0.40	1.44	7.8	67.10	4.0	0.74	1.20	99	2.7	5.5	7.23	0.25	12.15	1.1	4.2	3.4	11

c102765	387485.0	6892856.5	1633.4	FW	0.35	0.06	7.35	10.0	1.97	4.5	1.22	3.26	269	5.1	25.1	15.40	1.09	0.22	17.3	5.9	19.4	34
c102766	387480.0	6892855.2	1633.6	HW	0.33	0.18	7.72	4.9	3.83	10.8	2.99	3.82	649	8.0	19.3	1.23	1.33	0.39	4.4	7.1	18.2	49
c102767	387480.0	6892855.7	1633.9	Qz Vn	111.50	2.46	0.18	1.8	448.00	4.4	0.22	0.06	37	1.2	19.6	3.70	<0.05	67.60	<0.2	1.0	0.7	3
c102768	387480.0	6892856.3	1634.1	FW	0.29	0.08	6.67	7.0	3.65	3.1	1.07	3.18	292	2.2	25.1	1.57	0.92	0.32	16.5	2.8	15.8	31
c102769	387480.0	6892856.7	1634.4	Qz Vn	2.33	0.18	7.90	15.3	10.85	7.1	2.03	4.02	231	9.4	21.7	3.12	1.17	1.72	9.0	8.4	17.5	43
c102770	387474.1	6892855.0	1634.6	HW	0.70	0.23	7.12	11.2	4.99	9.0	1.56	3.08	306	5.9	29.0	9.76	0.92	0.91	14.8	4.8	14.9	26
c102771	387465.0	6892855.0	1637.7	HW	<0.05	0.04	8.99	24.7	0.91	12.3	3.33	3.75	522	7.5	22.9	7.51	0.76	<0.05	4.8	4.8	15.2	48
c102772	387465.0	6892855.4	1634.6	Qz Vn - 1	10.65	0.58	3.01	28.3	49.60	10.1	1.35	2.72	376	7.1	37.7	2.51	0.20	9.90	2.2	1.9	7.1	35
c102773	387465.0	6892855.8	1634.4	Intermediate	4.82	0.89	5.64	29.9	44.80	51.6	2.17	1.71	701	6.4	43.8	8.77	0.75	7.30	14.3	2.5	16.9	75
c102774	387465.0	6892856.2	1634.6	Qz Vn - 2	11.35	1.83	0.84	3.7	60.50	7.6	0.83	0.61	231	3.0	45.1	3.26	0.05	9.92	0.7	1.5	3.1	20
c102775	387465.0	6892856.6	1635.3	FW	0.85	0.49	7.54	15.7	13.55	23.0	2.35	4.40	466	4.5	31.9	5.73	1.12	2.22	8.4	15.5	14.3	38
c102776	387410.0	6892848.5	1640.8	Qz Vn	10.20	1.37	1.13	4.2	45.50	36.2	0.53	1.00	158	2.4	44.1	3.56	0.10	7.16	1.0	2.3	2.7	47
c102777	387415.0	6892849.3	1640.8	Qz Vn	175.00	4.11	0.18	2.0	620.00	132.5	0.60	0.06	86	2.4	67.3	3.70	<0.05	95.80	0.2	7.3	1.0	105
c102778	387420.1	6892848.9	1638.9	Qz Vn	96.50	1.90	0.55	2.0	320.00	9.6	0.41	0.50	100	2.0	26.3	3.20	0.10	44.50	0.9	12.4	2.2	15
c102791	387424.0	6892847.3	1639.6	HW	<0.05	0.04	0.37	2.7	0.55	7.5	0.55	0.25	79	2.0	4.3	0.50	<0.05	0.06	0.7	1.1	1.8	4
c102792	387424.1	6892847.9	1639.6	Qz Vn	2.70	0.62	0.63	1.5	20.10	6.2	0.58	0.30	110	1.8	20.9	1.45	0.05	3.11	0.5	1.0	1.7	7
c102793	387430.0	6892848.5	1640.1	Qz Vn	39.20	2.13	0.26	5.3	139.50	9.8	0.89	0.16	349	3.9	20.1	4.35	<0.05	17.40	<0.2	0.7	2.4	15
c102794	387435.0	6892848.7	1639.4	HW	0.21	0.22	8.10	42.5	1.84	71.8	5.33	4.44	1855	16.0	37.4	45.20	1.12	0.24	6.5	9.0	25.5	93
c102795	387435.0	6892849.5	1638.9	FW	0.17	0.15	7.08	23.2	2.11	19.2	2.46	3.55	623	7.2	23.9	12.20	0.87	0.28	14.7	4.4	19.1	45
c102796	387440.0	6892849.5	1638.7	Qz Vn	3.08	1.34	1.57	65.5	33.30	26.2	2.70	0.32	324	10.2	51.5	11.25	0.11	5.05	0.9	2.4	7.5	58
c102797	387440.0	6892849.9	1639.9	Grussy shear	<0.05	0.08	8.03	14.0	0.77	9.6	2.06	4.07	602	4.5	14.9	11.20	1.06	0.07	15.5	4.8	16.7	40
c102798	387440.0	6892850.5	1638.9	Grussy shear	<0.05	0.55	8.29	20.5	1.93	76.1	2.99	3.48	608	6.3	181.0	25.60	0.98	0.17	7.8	6.5	16.4	97
c102799	387445.0	6892849.7	1639.2	Grussy shear	<0.05	0.22	7.92	48.6	2.24	101.0	5.80	1.28	1105	11.3	89.2	61.50	1.14	0.10	11.1	20.7	15.3	236
c102800	387445.0	6892850.4	1640.1	Grussy shear	<0.05	0.09	8.72	13.6	0.53	13.6	3.70	3.00	1045	10.4	29.1	25.10	0.71	0.08	4.4	6.5	17.4	85
c102801	387450.0	6892852.6	1638.7	Qz Vn	27.90	3.15	5.04	40.0	236.00	42.3	1.60	3.53	473	5.8	562.0	5.67	0.51	36.70	5.1	14.4	9.4	229
c102802	387450.0	6892853.6	1638.7	Qz Vn	5.88	0.80	3.39	21.4	47.90	13.5	1.14	2.38	159	2.8	79.5	4.24	0.29	11.75	3.8	4.3	5.0	55
c102803	387460.0	6892855.0	1635.0	Qz Vn	85.40	3.14	1.12	22.5	350.00	18.7	1.03	0.60	329	4.0	182.0	4.62	0.09	52.00	1.1	1.7	4.5	93
c102804	387704.9	6892859.3	1662.7	Qz Vn	55.00	0.34	0.19	7.9	152.00	3.3	0.65	0.06	270	1.4	5.2	5.93	<0.05	14.30	0.2	0.3	2.2	11
c102805	387708.5	6892858.6	1667.0	Qz Vn	16.80	0.14	0.22	4.7	54.40	3.6	0.37	0.11	179	1.3	25.8	8.10	<0.05	5.12	<0.2	2.1	1.2	13
c102806	387700.5	6892860.1	1664.9	Qz Vn	29.30	0.20	0.45	11.8	78.50	2.8	0.49	0.34	234	1.5	2.6	5.22	<0.05	8.15	0.3	4.5	1.3	8
c102807	387699.9	6892872.5	1662.5	Qz Vn	16.70	0.23	1.89	31.5	41.10	4.0	1.05	1.25	171	1.9	13.2	11.30	0.13	4.64	1.0	1.9	3.0	19
c102808	387699.0	6892874.1	1663.4	Grussy shear	<0.05	0.01	7.20	11.1	0.67	8.2	2.00	2.28	415	2.4	12.1	12.45	0.91	0.08	7.5	2.1	16.4	50
c102809	387672.9	6892876.7	1658.2	Grussy shear	<0.05	0.01	7.26	10.6	0.77	5.3	2.00	4.17	936	2.2	25.7	9.88	0.96	0.06	8.3	2.0	14.9	37
c102810	387679.5	6892852.1	1662.7	HW	0.32	0.04	2.43	6.3	1.00	6.2	0.72	2.59	247	1.4	5.6	0.82	0.21	0.09	2.1	0.8	4.2	10
c102811	387631.7	6892879.4	1650.2	Qz Vn	23.40	2.24	0.20	4.4	137.50	4.1	0.96	0.09	274	1.5	60.8	5.49	<0.05	18.25	<0.2	0.6	3.5	27
c102812	387643.1	6892867.6	1654.3	Grussy shear	<0.05	0.02	3.37	13.2	0.64	3.1	0.55	2.42	329	1.4	10.1	5.16	0.51	0.07	4.2	1.0	8.0	15
c102813	387627.9	6892869.0	1651.2	Grussy shear	<0.05	1.09	8.98	25.3	6.63	80.2	3.92	3.87	702	2.0	74.4	107.50	0.63	0.35	5.8	10.9	17.1	38
c102814	387626.0	6892871.9	1650.7	Qz Vn - 1	19.20	0.82	3.19	4.5	65.60	5.1	0.78	2.95	110	2.6	19.9	9.93	0.11	10.40	1.6	1.5	4.6	19
c102815	387627.3	6892876.8	1650.2	HW	<0.05	0.11	0.91	4.8	1.38	14.9	1.15	0.44	259	2.7	11.7	3.18	<0.05	0.19	0.9	1.1	3.1	17
c102816	387628.3	6892877.2	1650.7	Qz Vn - 2	45.20	4.33	0.69	2.4	221.00	6.2	0.52	0.58	206	1.6	70.7	3.12	<0.05	32.90	0.4	2.3	1.4	11
c102817	387594.0	6892866.1	1645.2	Qz Vn - 2	26.70	0.49	0.11	1.6	74.30	3.5	0.35	0.03	121	1.3	4.9	3.24	<0.05	10.65	<0.2	0.1	0.6	4
c102818	387599.0	6892866.7	1645.2	Qz Vn - 2	36.60	0.61	1.08	3.2	99.60	5.4	0.77	0.70	272	2.9	6.5	6.23	0.05	14.45	0.6	2.0	2.9	11
c102819	387604.0	6892865.6	1644.2	Qz Vn - 2	17.15	0.31	1.96	1.8	42.40	4.0	0.66	2.03	108	2.8	3.9	3.93	0.05	5.44	0.6	1.6	2.4	8
c102820	387608.5	6892866.6	1646.1	Qz Vn - 2	45.70	1.00	0.20	1.3	139.50	4.4	0.41	0.05	88	2.0	9.4	4.33	<0.05	18.80	<0.2	0.8	1.0	5
c102821	387616.5	6892870.1	1647.3	Qz Vn - 2	17.25	5.18	0.70	3.2	140.50	7.2	0.59	0.47	206	2.1	173.0	6.60	<0.05	17.70	0.4	2.8	1.9	54
c102835	387384.6	6892841.4	1641.3	Grussy shear	<0.05	0.05	9.02	15.3	0.55	5.4	3.70	4.18	708	7.3	22.3	5.74	0.69	0.14	5.2	1.8	18.4	82
c102836	387383.6	6892843.9	1640.6	Grussy shear	<0.05	0.11	10.35	67.1	0.77	9.4	8.45	1.89	1065	10.7	28.3	43.60	1.13	0.10	11.1	6.0	36.9	138
c102837	387459.5	6892848.9	1639.9	Grussy shear	<0.05	0.04	8.74	9.2	0.12	52.0	5.47	1.75	1250	133.0	7.7	4.67	0.69	0.05	4.3	1.0	21.7	72
c102851	387488.0	6892856.2	1633.6	Qz Vn - 1	285.00	2.86	0.99	<0.2	758.00	9.3	0.57	0.73	86	2.1	26.8	2.31	0.10	133.50	0.7	1.8	1.7	6
c102852	387487.5	6892856.2	1634.1	Qz Vn - 1	281.00	2.78	0.37	<0.2	916.00	11.7	0.82	0.04	129	3.5	37.6	2.67	<0.05	154.50	<0.2	0.6	1.4	7
c102853	387487.0	6892856.2	1633.6	Qz Vn - 1	135.50	1.77	1.63	6.6	478.00	8.3	0.93	1.25	77	2.8	21.4	7.02	0.17	93.00	1.0	5.4	2.3	10
c102854	387486.6	6892856.2	1633.6	Qz Vn - 1	17.55	0.76	0.92	2.4	82.00	4.0	0.62	0.56	52	2.1	10.9	6.40	0.09	14.75	0.9	2.6	2.2	9
c102855	387486.0	6892856.2	1633.6	Qz Vn - 1	50.10	1.30	0.48	6.4	171.50	9.2	0.93	0.29	185	6.1	14.2	6.44	0.05	30.60	0.3	1.3	2.7	30



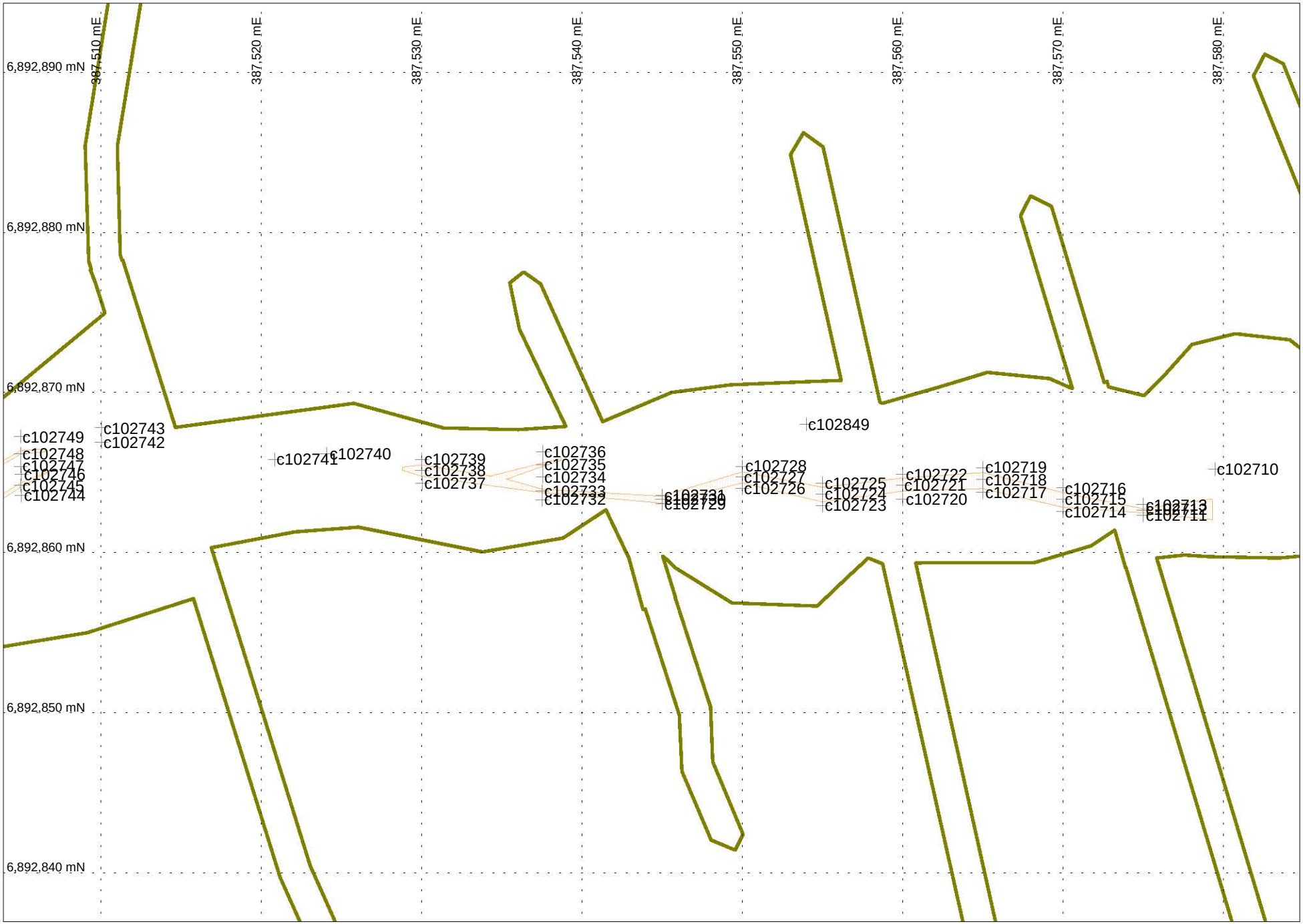
UTM Nad 27

Trench Sampling
Maverick West
2008



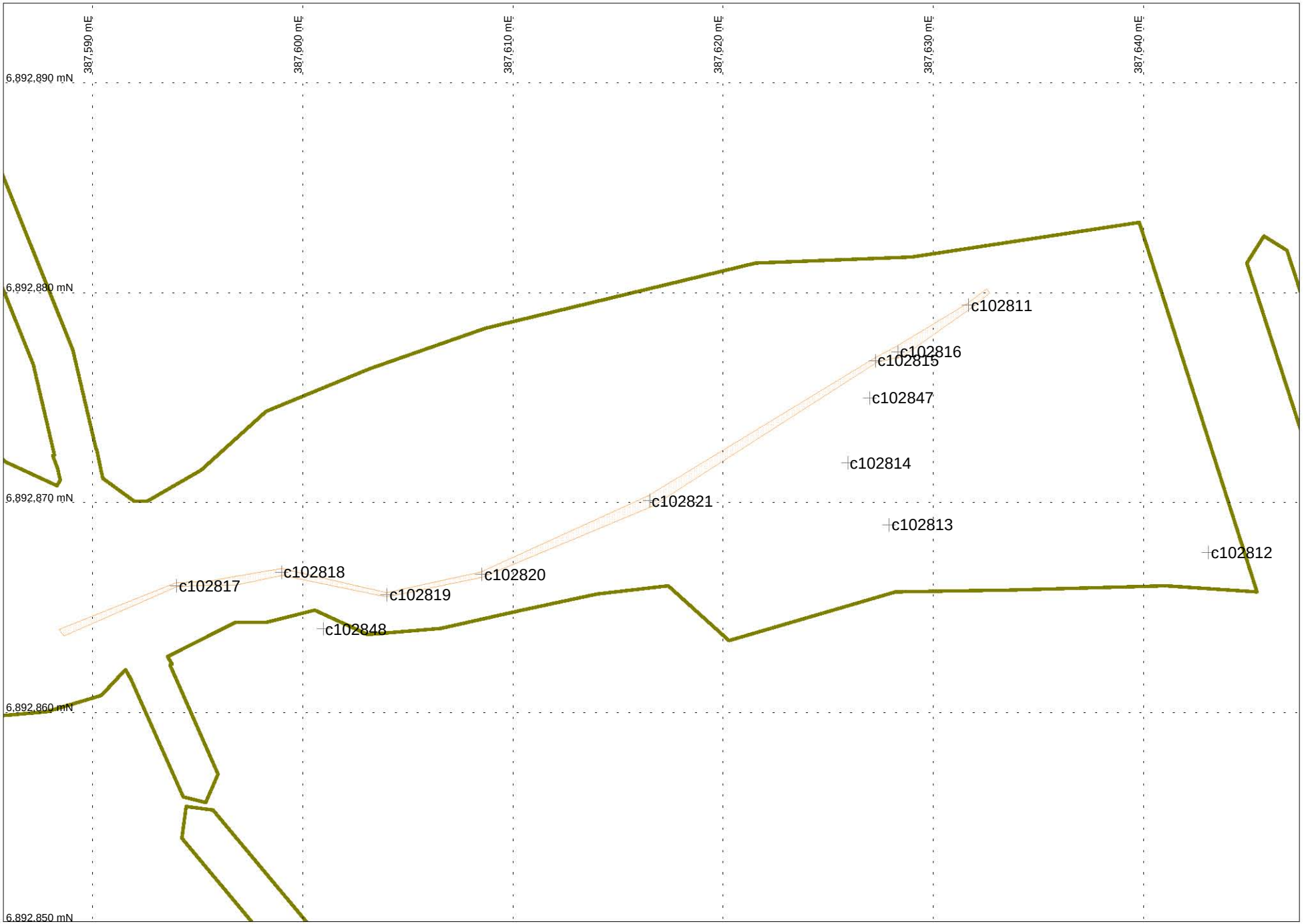
UTM Nad 27

Trench Sampling
Maverick Bonanza Zone
2008



UTM Nad 27

Trench Sampling
Maverick Central
2008



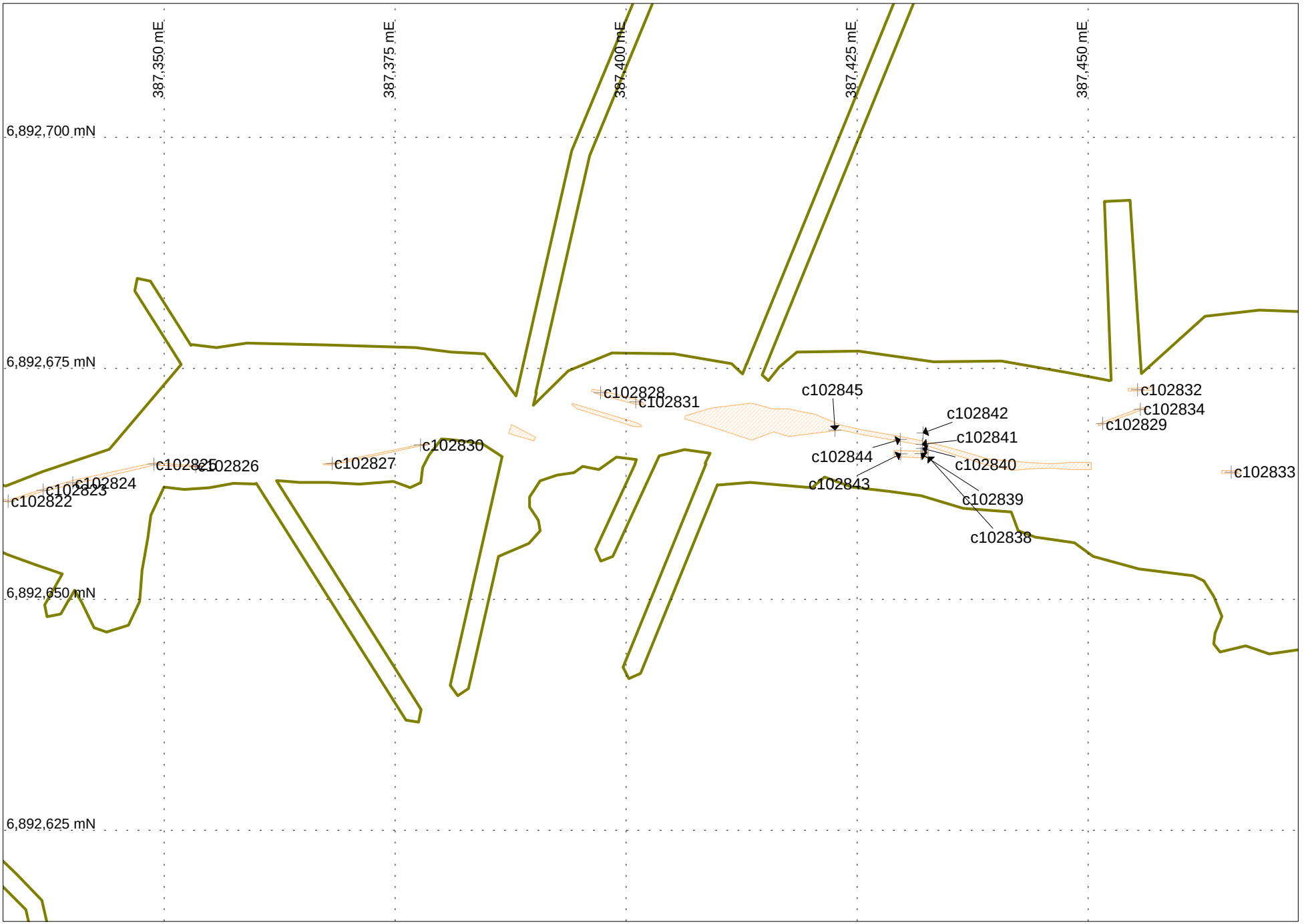
UTM Nad 27

Trench Sampling
Maverick East
2008

Skyline Vein (2650N)
Sample Locations, Description
and Selected Assays

Appendix 4
cont'd

SKYLINE VEIN (2650 N)					Au-GRA21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
					Au	Ag	Al	As	Bi	Cu	Fe	K	Mn	Ni	Pb	Sb	Ta	Te	Th	W	Y	Zn
Sample	Utm East	Utm North	Elev (M)	Rock Type	ppm	ppm	%	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
c102822	387333.1	6892660.6	1678.1	Qz Vn - 1	1.41	0.71	1.97	13.7	11.6	9.7	0.70	1.91	154	2.3	16.5	12.30	0.13	0.97	3.0	9.0	5.1	17
c102823	387336.9	6892661.8	1678.6	Qz Vn - 1	7.81	2.04	0.37	11.7	62.4	11.1	0.67	0.11	150	1.8	50.5	4.68	<0.05	7.31	0.2	1.6	2.5	18
c102824	387340.1	6892662.6	1679.3	Qz Vn - 1	11.60	1.34	0.68	28.4	53.9	15.5	1.85	0.40	471	4.0	32.9	10.15	<0.05	6.79	0.3	2.4	9.0	41
c102825	387348.9	6892664.7	1680.3	Qz Vn - 1	8.58	1.46	1.27	36.8	51.4	20.7	2.16	0.64	448	5.8	45.6	8.41	<0.05	5.81	0.6	2.3	10.3	49
c102826	387353.4	6892664.4	1681.5	Qz Vn - 1	5.24	2.38	2.21	39.1	24.1	57.7	2.65	1.16	390	9.9	61.1	27.10	0.11	4.16	1.0	5.1	10.2	50
c102827	387368.2	6892664.7	1679.5	Qz Vn - 1	10.60	2.21	0.66	79.7	61.3	50.8	2.63	0.16	283	6.5	33.8	6.75	<0.05	7.56	0.3	1.7	8.0	41
c102828	387397.2	6892672.4	1675.9	Qz Vn - 1	36.00	3.71	1.36	14.6	142.0	11.6	0.77	1.18	180	2.7	49.1	4.39	0.06	16.45	0.7	9.9	3.5	14
c102829	387451.6	6892669.0	1672.8	Qz Vn - 2	8.16	1.43	0.74	3.2	38.5	21.0	0.73	0.46	178	4.4	70.9	3.16	<0.05	4.41	0.2	18.3	2.1	25
c102830	387377.7	6892666.7	1674.5	Qz Vn - 1	22.50	2.32	3.62	56.6	101.5	26.5	1.41	3.40	180	6.4	36.4	12.00	0.24	14.15	1.7	28.7	8.1	26
c102831	387401.0	6892671.4	1670.9	Qz Vn - 2	16.90	1.24	1.54	59.3	55.8	11.8	1.08	1.11	239	4.7	34.2	3.47	0.06	7.18	0.7	6.6	5.8	23
c102832	387455.4	6892672.7	1669.7	Qz Vn	7.69	0.53	1.89	4.4	34.4	6.7	0.88	1.40	305	2.5	22.8	3.95	0.08	4.39	0.6	43.1	4.6	22
c102833	387465.5	6892663.8	1669.4	HW	<0.05	0.20	5.74	9.9	0.6	9.4	3.23	0.88	652	8.3	8.4	5.53	0.31	0.11	2.4	1.2	16.0	49
c102834	387455.6	6892670.6	1668.2	Intermediate	2.25	0.66	0.62	2.0	13.8	33.4	0.96	0.50	121	5.6	52.7	2.27	<0.05	1.99	<0.2	72.9	1.6	8
c102838	387432.7	6892665.4	1669.4	HW	0.88	2.50	7.24	29.2	13.8	54.7	1.89	3.56	483	5.4	113.5	37.80	0.47	0.92	4.5	6.7	12.9	64
c102839	387431.9	6892665.8	1669.0	Qz Vn - 2a	21.20	2.16	4.37	27.6	91.7	26.6	1.55	2.83	921	7.2	119.0	14.80	0.18	11.70	1.5	10.7	9.5	44
c102840	387432.1	6892666.3	1669.4	Intermediate	0.21	1.07	6.67	30.7	5.5	34.2	2.50	3.11	637	8.0	121.0	20.20	0.24	0.45	2.6	6.7	11.4	52
c102841	387432.0	6892666.8	1669.4	Qz Vn - 2b	2.74	1.62	4.51	26.8	17.5	38.2	2.67	2.35	626	7.7	23.1	10.50	0.28	2.30	1.8	8.2	12.1	47
c102842	387432.1	6892668.0	1669.4	FW	0.11	0.10	7.81	18.4	0.9	14.7	3.91	3.61	799	8.2	22.9	19.05	0.51	0.09	3.7	8.3	16.0	61
c102843	387429.7	6892665.8	1669.0	stkwk	<0.05	0.13	6.79	16.7	1.0	12.9	3.49	3.62	804	8.0	26.9	32.70	0.34	0.10	2.8	3.0	16.5	75
c102844	387429.7	6892667.3	1669.4	Qz Vn - 2b	5.58	3.79	4.62	13.8	28.5	16.0	1.79	1.21	454	5.4	24.3	10.30	0.20	4.28	1.4	5.2	9.7	32



UTM Nad 27

Trench Sampling
Skyline Vein
2008

SCALE

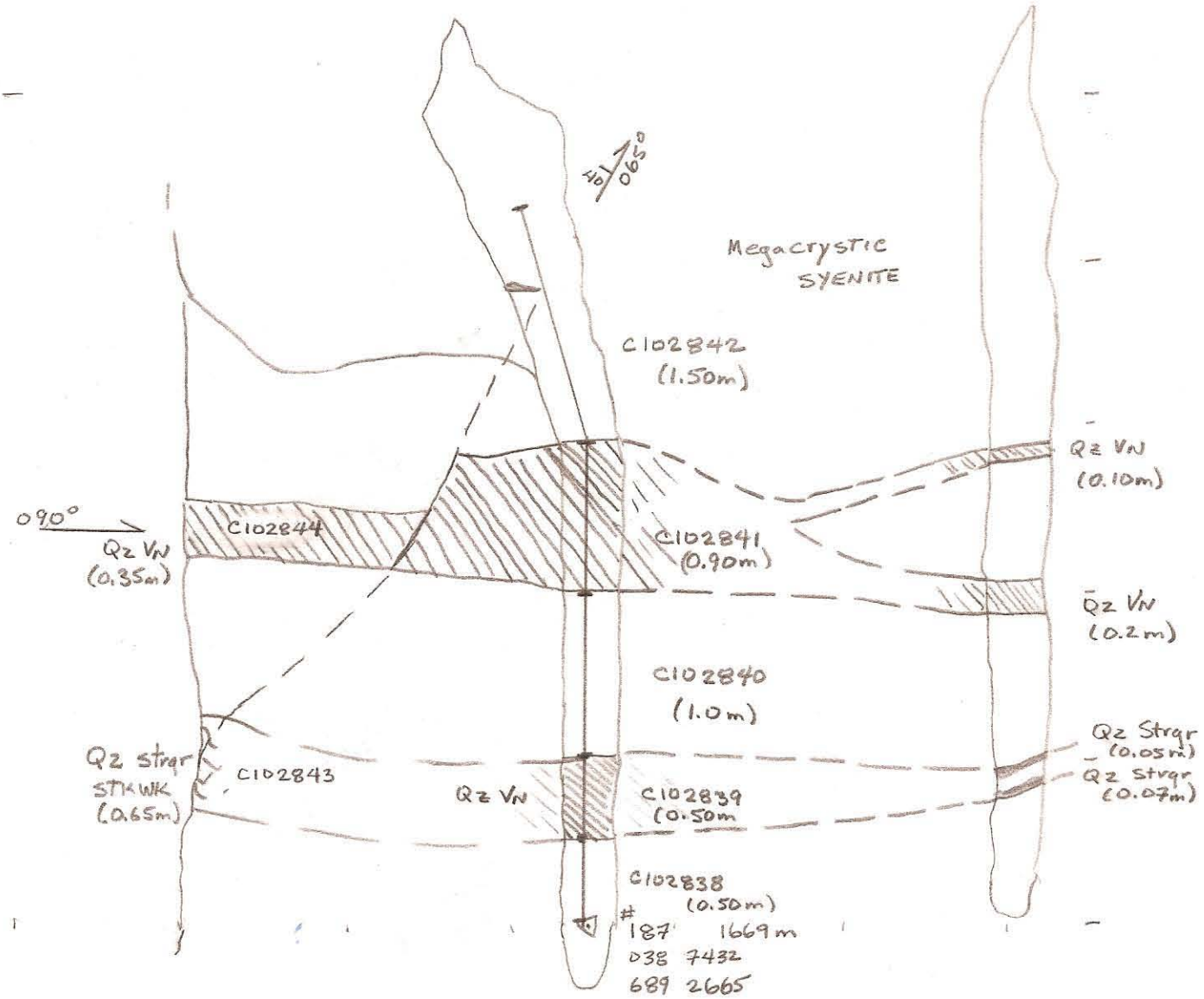
0 0.5 1.0

meter

VIC CLAIMS

2650 VEIN DETAIL

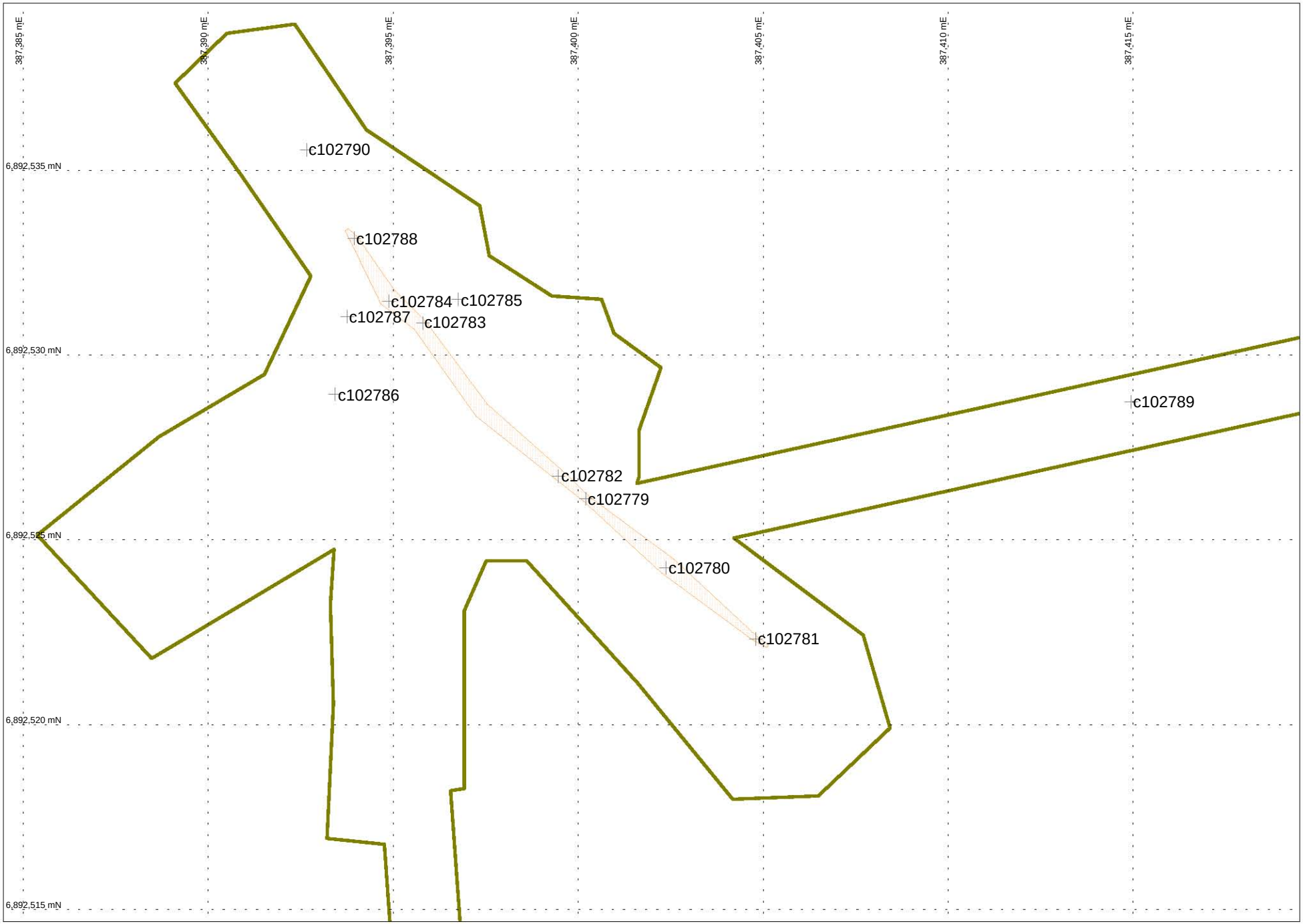
sept. 4, 2008



Qz VN - light grey - white, Fine grained, vitreous (glassy) Qz. w/orange limonite weathering fractures & parting surfaces fine grained leach cavities

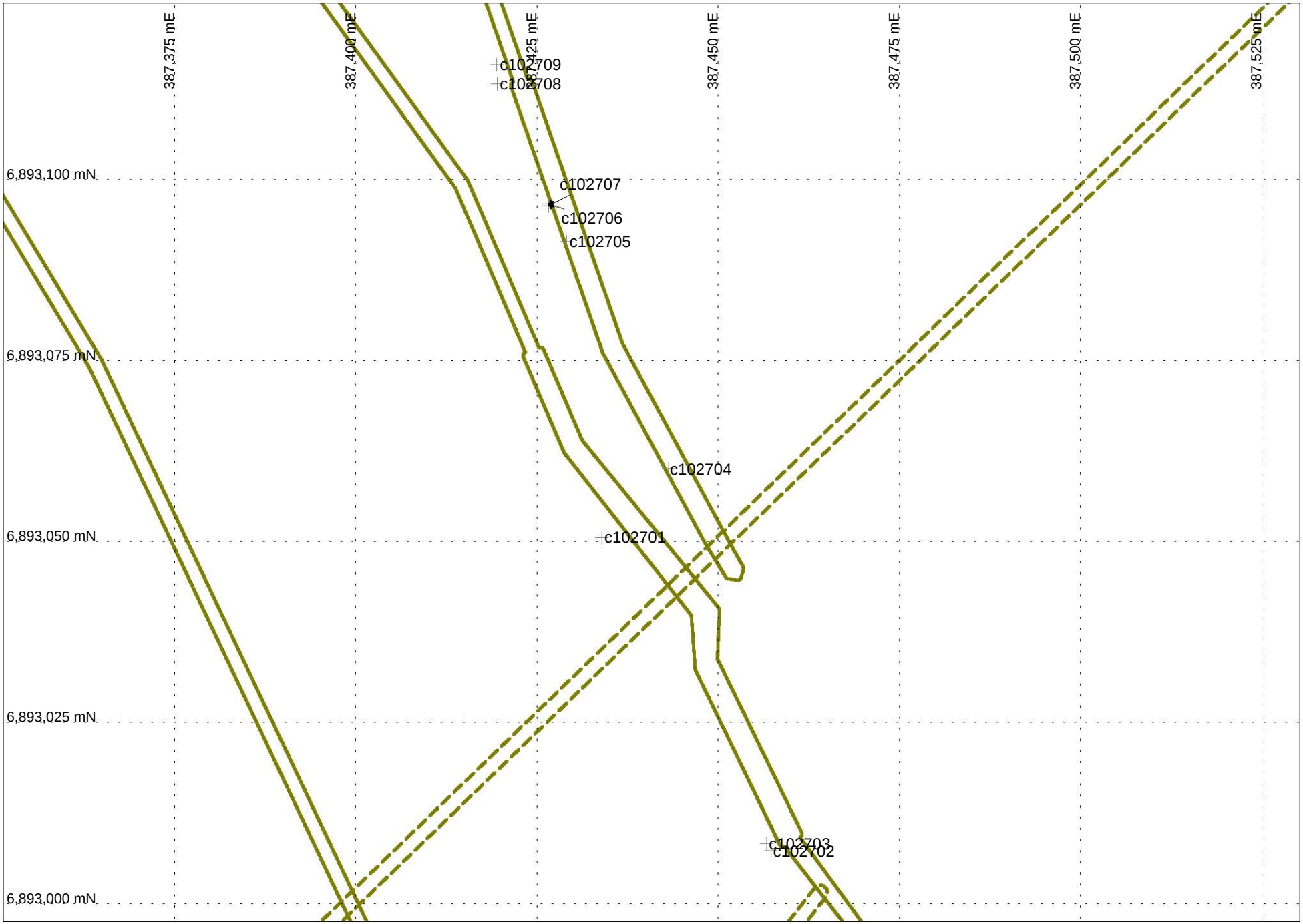
UTM - NAD 27

QUARTZ TYPE SAMPLES					Au-GRA21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
					Au	Ag	Al	As	Bi	Cu	Fe	K	Mn	Mo	Ni	Pb	Sb	Ta	Te	Th	W	Y	Zn
Sample	Utm Eeast	Utm North	Elev (M)	Rock	ppm	ppm	%	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
c102845	387422.6	6892668.3	1668.0	Qv/lim	9.47	2.36	2.72	18.9	48.5	6.6	1.82	1.40	449	11.70	6.7	20.0	5.58	0.12	6.4	0.8	3.9	8.8	29
c102846	387702.0	6892860.0	1663.8	Qv/grey	281.00	1.45	1.01	5.8	692.0	4.3	0.59	0.75	187	0.42	1.7	6.3	6.99	<0.05	71.1	0.7	10.7	2.0	5
c102847	387627.0	6892875.0	1652.4	Qv/lim	14.50	2.87	0.32	1.4	109.0	4.1	0.55	0.10	264	0.43	1.6	60.5	1.84	<0.05	15.3	0.2	2.9	1.2	13
c102848	387601.0	6892864.0	1650.7	Qv/grey	65.30	0.90	0.19	1.6	197.5	4.1	0.38	0.05	106	0.27	1.7	4.6	4.36	<0.05	28.6	<0.2	0.3	0.8	2
c102849	387554.0	6892868.0	1644.2	Qv/rusty	41.50	1.28	0.08	3.6	148.5	11.5	0.60	0.01	233	0.85	2.7	18.0	5.17	<0.05	20.7	<0.2	0.4	1.3	11
c102850	387493.0	6892861.0	1642.2	Qv/orange	36.00	0.43	0.12	1.9	109.0	2.9	0.45	0.04	143	0.45	2.0	7.1	3.20	<0.05	18.9	<0.2	0.9	0.9	9
NORTH SLOPE GRUSSY-SHEAR ZONES																							
c102701	387434.0	6893050.6	1610.6	Grussy shear	<0.05	0.06	8.28	6.9	0.12	14.4	4.01	2.37	748	0.39	9.8	11.9	10.95	0.57	<0.05	11.9	8.8	20.0	65
c102702	387457.3	6893007.3	1615.9	Grussy shear	<0.05	0.01	7.96	25.5	0.66	7.4	1.20	3.62	623	1.55	1.6	30.3	3.33	1.27	<0.05	28.9	1.6	23.7	38
c102703	387456.7	6893008.3	1615.9	Grussy shear	<0.05	0.08	8.61	20.4	0.33	35.5	5.14	3.20	1210	1.69	3.7	16.6	3.81	0.94	0.1	11.6	1.5	29.4	116
c102704	387443.1	6893060.1	1611.0	Grussy shear	<0.05	0.24	8.29	41.0	8.10	29.3	5.85	1.90	1470	1.69	12.8	39.0	14.10	0.61	0.1	13.4	3.1	34.3	120
c102705	387429.1	6893091.4	1605.5	Grussy shear	<0.05	0.05	8.21	35.6	0.72	17.9	4.31	3.20	1410	6.82	6.1	23.3	9.86	0.71	0.1	11.7	1.3	21.2	113
c102706	387426.6	6893096.6	1606.2	Grussy shear	<0.05	0.02	1.10	6.3	0.31	11.5	1.05	0.21	202	0.86	1.6	3.8	1.91	0.07	<0.05	1.1	0.4	3.9	19
c102707	387426.6	6893096.4	1606.0	Grussy shear	<0.05	0.05	8.16	22.7	0.37	11.9	5.05	2.59	956	1.53	5.5	16.2	6.26	0.95	<0.05	10.8	2.6	28.5	108
c102708	387419.5	6893113.1	1602.6	Grussy shear	<0.05	0.07	6.40	5.3	0.32	4.8	0.97	3.35	172	0.53	1.3	15.6	7.40	1.07	<0.05	24.7	1.8	19.3	41
c102709	387419.5	6893115.8	1601.0	Grussy shear	<0.05	0.06	6.30	8.6	0.36	7.1	1.91	2.14	333	1.03	4.4	14.1	7.83	0.86	<0.05	20.4	1.9	19.5	73
L - TRENCH (2525 N)																							
c102779	387400.2	6892526.1	1670.2	L Vein	9.70	0.71	1.39	13.8	70.7	44.5	1.16	1.15	146	1.95	8.2	22.3	5.59	0.09	7.1	0.7	39.8	3.5	18
c102780	387402.4	6892524.2	1671.9	L Vein	4.26	0.51	0.71	2.9	31.8	8.9	0.64	0.44	151	0.89	4.8	14.1	3.46	<0.05	2.5	0.4	2.4	1.5	10
c102781	387404.8	6892522.3	1671.4	L Vein	2.35	0.76	0.54	11.4	11.95	10.2	0.79	0.21	169	1.80	2.7	19.3	4.14	<0.05	0.9	0.3	156.0	1.3	37
c102782	387399.5	6892526.7	1671.4	L Vein	9.96	1.40	0.97	1.5	67.1	7.8	0.68	0.60	153	0.50	7.4	30.7	2.35	0.07	6.4	0.5	1.7	1.9	17
c102783	387395.8	6892530.9	1670.9	L Vein	5.42	0.45	0.44	3.3	26.9	17.5	0.63	0.25	96	0.65	2.2	12.5	7.92	<0.05	2.5	0.2	2.4	1.6	8
c102784	387394.9	6892531.5	1669.2	HW	8.93	0.89	2.93	10.7	47.5	19.7	1.47	2.29	256	1.99	5.9	32.5	3.91	0.17	4.6	1.6	5.3	6.8	22
c102785	387396.8	6892531.5	1669.2	FW	<0.05	0.09	7.80	15.5	1.13	20.0	4.68	2.34	749	1.38	5.6	14.6	46.80	0.75	0.1	4.8	15.9	15.5	74
c102786	387393.4	6892528.9	1668.0	FW	0.11	18.15	7.95	706.0	3.3	331.0	7.05	2.20	2620	1.54	6.8	7710.0	97.50	0.47	0.2	5.7	22.0	42.3	4370
c102787	387393.8	6892531.1	1668.7	HW	0.07	0.14	6.60	3.0	1.3	28.1	1.71	3.72	332	1.22	2.6	21.5	1.39	0.73	0.1	3.7	3.5	10.8	36
c102788	387393.9	6892533.2	1669.2	L Vein	27.50	2.38	1.56	7.6	128	12.0	0.93	1.12	186	2.65	5.2	48.3	4.98	0.10	12.6	1.7	1.3	4.1	13
c102789	387414.9	6892528.7	1673.3	HW	0.16	0.13	4.15	1.2	1.41	5.3	0.58	2.63	130	0.26	1.2	25.3	0.60	0.56	0.1	2.0	0.6	4.8	9
c102790	387392.7	6892535.6	1671.6	HW	0.27	0.26	7.79	16.8	2.78	22.0	5.06	3.17	939	3.81	6.7	19.2	6.20	0.46	0.3	5.2	3.1	18.2	80



UTM Nad 27

Trench Sampling
"L" Trench
2008



UTM Nad 27

Trench Sampling
"Grussy" Shears
2008

VA08141393 - Finalized

CLIENT : "TEH - Aurchem Exploration Ltd."

# of SAMPLES : 155

DATE RECEIVED : 2008-10-01 DATE FINALIZED : 2008-10-28

PROJECT : "Vic08"

CERTIFICATE COMMENTS : "ME-MS61:REE's may not be totally soluble in this method. "

PO NUMBER : " "

	Au-GRA21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
SAMPLE	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge
DESCRIPT	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
C102701	<0.05	0.06	8.28	6.9	1190	1.51	0.12	1.01	0.17	50.1	12.5	28	11	14.4	4.01	14.55	0.08
C102702	<0.05	0.01	7.96	25.5	1110	1.8	0.66	0.17	0.14	93	1.3	2	9.43	7.4	1.2	19.65	0.1
C102703	<0.05	0.08	8.61	20.4	1870	3.29	0.33	1.49	0.45	78.7	10.8	8	11.55	35.5	5.14	21	0.15
C102704	<0.05	0.24	8.29	41	1040	2.55	8.1	0.83	0.42	72.9	19.4	27	15.15	29.3	5.85	17.15	0.12
C102705	<0.05	0.05	8.21	35.6	1690	2.6	0.72	0.47	0.25	77.3	21.7	7	11.65	17.9	4.31	19.65	0.15
C102706	<0.05	0.02	1.1	6.3	100	0.47	0.31	0.25	0.06	8.94	2.3	17	3.98	11.5	1.05	3.74	0.05
C102707	<0.05	0.05	8.16	22.7	1080	3.29	0.37	1.66	0.29	83.5	12.5	13	29.5	11.9	5.05	21.8	0.15
C102708	<0.05	0.07	6.4	5.3	1280	1.59	0.32	0.15	0.04	66.7	1.6	4	7.22	4.8	0.97	10.3	0.09
C102709	<0.05	0.06	6.3	8.6	750	1.68	0.36	0.46	0.09	55.7	4	9	7.41	7.1	1.91	11.1	0.08
C102710	0.53	0.16	7.8	5.3	1950	2.12	4.59	2.65	0.17	58.7	19.9	92	5.78	24.3	3.61	18.1	0.13
C102711	<0.05	0.21	8.64	11.7	2110	2.63	0.69	1.17	0.19	67.1	11.6	19	8.84	24.2	3.66	19.65	0.14
C102712	23.2	1.01	0.21	4.4	90	0.55	77.4	0.05	0.13	6.35	3.5	22	1.85	10.5	1.19	1.2	<0.05
C102713	0.23	0.44	7.81	10.4	2030	2.14	3.38	1.07	0.33	52.6	9.7	98	12.2	20.9	2.45	18.6	0.13
C102714	0.11	0.1	8.43	9.9	1940	2.54	2.04	1.08	0.18	57.3	8.8	20	6.77	17.7	3	19.75	0.14
C102715	12.55	0.97	5.93	7.8	1830	1.6	37.1	1.19	0.43	41.5	10.2	89	4.84	22.3	2.48	14.65	0.12
C102716	14.4	0.71	0.94	9.2	240	0.71	85.8	0.09	0.28	14.75	6.3	30	1.28	10.9	2.42	2.96	<0.05
C102717	0.44	0.08	8.55	14.8	2420	2.48	3.54	1	0.56	49.7	17.8	116	16.45	26.8	4.03	20.1	0.1
C102718	24.5	0.74	0.53	2.9	100	0.27	105.5	0.07	0.16	5.17	1.3	37	0.83	8	0.51	2.22	<0.05
C102719	0.92	0.24	8.16	12.4	1880	2.22	6.85	1.49	0.78	58.9	10.5	22	12.55	17.8	3.09	20.8	0.1
C102720	1.09	0.38	7.94	10.4	2140	2.23	4.55	1.22	2.32	65.2	22.1	153	10.8	52.1	3.92	21.3	0.13
C102721	16.15	1.76	0.63	7.1	150	0.86	66.6	0.09	0.96	11.8	7.8	22	1.12	26.5	1.92	2.88	<0.05
C102722	0.55	0.69	8.46	10	1680	2.3	3.34	1.02	1.07	76.6	11.6	23	8.32	36.9	3.24	18.75	0.11
C102723	0.17	0.14	8.59	15.7	1860	2.02	2.38	0.56	0.45	64.7	9.4	17	16.75	36.9	2.6	21.4	0.11
C102724	7.96	0.59	2.31	5.5	530	0.52	32.2	0.1	0.21	16.3	3.3	20	1.7	8.9	0.94	5.98	0.06
C102725	0.89	0.17	7.4	7.5	1860	2.51	3.8	1.37	1.05	60.4	20.3	166	16.65	28.9	4.09	16.3	0.12
C102726	0.2	0.49	7.7	6.6	1660	1.96	7.73	1.97	0.38	66	9.7	24	4.47	16.4	3.02	18.4	0.12
C102727	16.85	1.77	0.14	4	40	0.23	76.7	0.04	0.22	4.43	2.5	26	0.18	6.8	0.59	1.07	0.18
C102728	0.45	0.33	6.89	8.6	1750	2.14	3.47	1.62	0.47	53.5	16.6	114	7.08	22.1	3.76	15.6	0.11
C102729	0.13	0.17	7.85	6.9	1910	2.57	2.96	1.64	0.42	49.6	8.9	18	6.49	12.6	2.91	19.5	0.11
C102730	8.33	1.3	1.34	2.6	340	0.63	80.7	0.32	0.24	14.65	1.7	26	1.31	6.9	0.56	4.28	0.05
C102731	0.07	0.22	7.64	9.5	2230	2.16	1.52	1.25	0.55	62.9	8.5	76	6.84	17.9	1.97	17.65	0.13
C102732	0.28	0.14	8.53	16	1890	2.15	4.35	0.4	0.35	67.6	10.6	18	5.34	15.2	2.74	19.45	0.12
C102733	2.87	0.25	1.1	2.8	230	0.43	15	0.13	0.08	9.88	0.7	14	0.8	4.7	0.36	3.44	0.05
C102734	0.59	0.47	8.09	16.2	2170	1.9	11.4	0.5	0.51	58.3	4.4	20	8.21	10.6	2.19	19.5	0.12
C102735	16.9	3.37	0.76	3.3	120	0.38	102.5	0.05	0.17	4.76	1	22	0.57	11.3	0.59	2.96	<0.05
C102736	0.07	0.18	8.3	15.6	1660	2.66	2.12	0.59	0.57	88.4	8.4	17	12.2	19.6	2.83	19.2	0.11
C102737	0.83	0.37	6.74	19.2	1550	1.86	14	0.34	0.6	63.9	8.3	16	12.05	14.6	2.75	16.6	0.12
C102738	3.72	0.49	2.23	15.7	260	1.13	23.6	0.09	0.31	19.6	7.3	47	1.28	15.8	2.12	5.73	0.07
C102739	0.94	0.21	7.92	17.9	1740	1.88	6.56	0.48	0.29	60.1	7.2	20	5.01	18.2	2.51	20.2	0.13
C102740	<0.05	0.08	7.88	8.2	1470	1.83	0.36	1.65	0.23	59	19	28	5.87	41.2	4.77	17.9	0.12
C102741	<0.05	0.05	7.77	5.5	1250	1.41	0.22	1.74	0.19	56.4	18.2	24	6.08	30.5	4.5	17.6	0.12
C102742	<0.05	0.07	8.17	10.6	1220	1.78	0.19	1.11	0.13	46.7	14.5	24	10.55	27.1	4.28	18.85	0.1
C102743	<0.05	0.08	7.28	10.3	1080	1.86	0.43	0.91	0.13	55.1	12.3	15	8.42	17.8	3.29	16.35	0.11
C102744	1.03	0.23	8.33	13	1490	2.06	4.47	0.48	0.15	95.3	9.4	18	9.52	27.6	3.33	19.45	0.14
C102745	12.25	1.2	1.6	5.9	280	0.6	68.9	0.11	0.32	14.15	1.9	23	1.95	10.7	0.84	4.56	0.05
C102746	0.21	0.08	6.83	4.7	1060	1.82	1.55	0.26	0.12	54.9	2.9	4	7.32	5.3	1.12	14.2	0.1
C102747	20.6	0.61	1.58	3.9	290	0.47	75.7	0.1	0.06	9.08	1.4	24	2.06	4.9	0.69	4.6	<0.05

C102748	0.07	0.12	7.93	8.1	1580	2.17	2.56	0.27	0.11	54.9	3.8	10	10.75	6.4	1.34	17.5	0.06
C102749	0.1	0.18	9.43	15.8	2020	2.63	1.72	0.78	0.56	86.9	10.1	19	15.95	31.2	3.15	22.4	0.09
C102750	0.38	0.08	8.56	8	1660	2.45	3.76	1.61	0.09	87.5	9.8	16	6.19	14.8	2.6	19.45	0.08
C102751	35.5	0.32	3.43	4.4	710	0.88	118	0.15	0.06	33	4.8	23	1.75	3.7	0.98	8.5	<0.05
C102752	0.72	0.31	8.51	11.6	1690	2.04	7.95	0.88	0.15	60.3	8.7	15	8.64	16.4	2.2	19.6	0.05
C102753	36.7	0.58	1.6	7	350	0.48	117	0.12	0.15	14.25	1.9	18	1.44	3.8	0.71	4.32	<0.05
C102754	3.27	0.76	8.47	13.4	1760	1.54	24.1	0.41	0.53	130	2.9	14	7.09	3.3	1.55	21.2	<0.05
C102755	36.8	0.65	0.46	3.3	100	0.43	135	0.05	0.11	5.23	1.9	21	0.49	3.8	0.58	1.81	<0.05
C102756	0.1	0.11	8.05	9.1	1260	2.47	1.72	0.12	0.31	72.3	4.7	4	9.74	3.6	1.64	16.45	0.06
C102757	160.5	3.57	0.29	<0.2	20	0.57	628	0.04	0.69	2.51	0.9	24	1.09	8.9	0.47	1.8	0.18
C102758	0.41	0.39	8.05	12.3	1410	2.18	5.18	1.39	0.41	85.8	8.9	15	12.25	5.5	3.04	22	0.12
C102759	24.9	1.38	0.85	4.5	140	0.49	236	0.04	0.1	6.96	2	35	0.87	4.8	0.61	3.24	<0.05
C102760	0.64	0.11	6.82	8	1240	2.5	4.46	0.19	0.19	55.6	3.8	4	7.61	3.3	1.55	14.65	0.08
C102761	5.51	0.53	1.95	8.6	310	0.86	47.7	0.05	0.14	7.74	4.2	32	2.92	4.4	0.96	7.85	<0.05
C102762	0.28	0.13	7.85	26.5	1440	3.4	2.67	0.26	0.79	78.1	18.1	10	17.65	10.7	4.29	20.3	0.12
C102763	0.5	0.05	7.52	12.6	1510	2.34	2.58	0.84	0.1	61.5	10	14	7.95	9.2	2.66	18.75	0.1
C102764	22.3	0.4	1.44	7.8	310	0.52	67.1	0.08	0.05	9.68	1.5	19	2.47	4	0.74	4.69	<0.05
C102765	0.35	0.06	7.35	10	1410	1.84	1.97	0.25	0.09	72.7	6.2	6	9.95	4.5	1.22	17.55	0.09
C102766	0.33	0.18	7.72	4.9	1470	3.3	3.83	2.04	0.11	59.4	10.5	17	6.11	10.8	2.99	20.8	0.1
C102767	111.5	2.46	0.18	1.8	20	0.21	448	0.03	0.08	2.03	0.4	24	0.45	4.4	0.22	1.21	<0.05
C102768	0.29	0.08	6.67	7	1300	2.45	3.65	0.52	0.11	51.4	1.1	5	8.02	3.1	1.07	16.1	0.07
C102769	2.33	0.18	7.9	15.3	1640	3.01	10.85	0.36	0.14	77	9.6	14	14.25	7.1	2.03	20.1	0.1
C102770	0.7	0.23	7.12	11.2	1410	2.38	4.99	0.27	0.12	57.1	5.7	6	6.67	9	1.56	16.75	0.07
C102771	<0.05	0.04	8.99	24.7	2010	2.65	0.91	0.5	0.5	53	9.2	19	8.55	12.3	3.33	22.8	0.09
C102772	10.65	0.58	3.01	28.3	480	0.83	49.6	0.07	0.51	19.95	9.2	18	2.39	10.1	1.35	8.09	0.06
C102773	4.82	0.89	5.64	29.9	720	2	44.8	0.12	1.09	52	5.8	5	5.77	51.6	2.17	11.2	0.08
C102774	11.35	1.83	0.84	3.7	190	0.44	60.5	0.05	0.3	6.32	1.7	21	0.88	7.6	0.83	3.05	<0.05
C102775	0.85	0.49	7.54	15.7	1210	1.64	13.55	0.33	0.45	70.3	5	19	9.37	23	2.35	24.6	0.11
C102776	10.2	1.37	1.13	4.2	200	0.36	45.5	0.1	0.34	8.78	1.4	26	1.33	36.2	0.53	4.21	<0.05
C102777	175	4.11	0.18	2	40	0.21	620	0.1	0.48	2.71	1.3	61	0.8	132.5	0.6	1.27	0.12
C102778	96.5	1.9	0.55	2	70	0.25	320	0.08	0.19	7.04	1	37	1.16	9.6	0.41	2.48	<0.05
C102779	9.7	0.71	1.39	13.8	240	0.41	70.7	0.68	0.15	9.29	4	20	0.91	44.5	1.16	5.09	<0.05
C102780	4.26	0.51	0.71	2.9	110	0.27	31.8	0.9	0.15	4.43	1.8	26	0.42	8.9	0.64	2.17	<0.05
C102781	2.35	0.76	0.54	11.4	80	0.18	11.95	0.16	0.18	3.05	1.7	18	0.66	10.2	0.79	2.07	<0.05
C102782	9.96	1.4	0.97	1.5	150	0.38	67.1	0.17	0.34	5.66	2.7	27	1.11	7.8	0.68	3.72	<0.05
C102783	5.42	0.45	0.44	3.3	70	0.26	26.9	0.06	0.08	2.5	1.3	17	0.64	17.5	0.63	2.18	<0.05
C102784	8.93	0.89	2.93	10.7	630	0.83	47.5	0.55	0.36	16.15	5.1	27	2.11	19.7	1.47	9.72	0.06
C102785	<0.05	0.09	7.8	15.5	1290	1.86	1.13	0.7	0.15	53.9	14.8	10	7.58	20	4.68	24.1	0.12
C102786	0.11	18.15	7.95	706	1370	2.32	3.3	0.8	46.5	99	14.9	11	9.68	331	7.05	27.2	0.17
C102787	0.07	0.14	6.6	3	1040	1.56	1.3	0.84	0.1	22.5	6.2	12	2.29	28.1	1.71	16.25	0.07
C102788	27.5	2.38	1.56	7.6	350	0.53	128	0.45	0.43	10.05	3.4	21	1.3	12	0.93	5.4	<0.05
C102789	0.16	0.13	4.15	1.2	580	1.13	1.41	0.3	0.08	8.03	1.3	12	1.51	5.3	0.58	9.09	0.05
C102790	0.27	0.26	7.79	16.8	1900	2.78	2.78	2.43	0.2	60.8	16.7	11	19.3	22	5.06	23.1	0.12
C102791	<0.05	0.04	0.37	2.7	60	0.17	0.55	0.12	0.03	6.05	1.6	23	0.97	7.5	0.55	1.59	<0.05
C102792	2.7	0.62	0.63	1.5	100	0.37	20.1	0.08	0.08	5.86	1.3	19	1.63	6.2	0.58	2.44	<0.05
C102793	39.2	2.13	0.26	5.3	80	0.41	139.5	0.02	0.23	4.57	3.2	25	0.7	9.8	0.89	1.38	<0.05
C102794	0.21	0.22	8.1	42.5	1920	3.38	1.84	0.47	0.86	95.1	18.7	25	12.5	71.8	5.33	21.3	0.17
C102795	0.17	0.15	7.08	23.2	1600	2.18	2.11	0.48	0.35	64.9	8.4	14	11.3	19.2	2.46	15.45	0.13
C102796	3.08	1.34	1.57	65.5	170	1.47	33.3	0.08	0.79	16.95	8.8	16	2.36	26.2	2.7	7.5	0.06
C102797	<0.05	0.08	8.03	14	1490	2.51	0.77	0.23	0.3	60.1	5.7	8	12.35	9.6	2.06	22.4	0.12
C102798	<0.05	0.55	8.29	20.5	1480	2.15	1.93	0.47	0.69	76.8	9.7	17	11.3	76.1	2.99	21.8	0.15
C102799	<0.05	0.22	7.92	48.6	560	3.06	2.24	0.62	2.75	94.5	15.4	20	16.5	101	5.8	25.9	0.14
C102800	<0.05	0.09	8.72	13.6	1380	3.06	0.53	0.74	1	68.2	13.8	17	11.6	13.6	3.7	20.6	0.16
C102801	27.9	3.15	5.04	40	950	1.15	236	1.12	2.94	44	4.7	15	6.95	42.3	1.6	13.6	0.13
C102802	5.88	0.8	3.39	21.4	680	0.79	47.9	0.18	0.63	15.3	1.7	18	3.9	13.5	1.14	10.4	0.07
C102803	85.4	3.14	1.12	22.5	120	0.49	350	0.05	0.97	9.9	4.4	29	1.7	18.7	1.03	3.27	0.05
C102804	55	0.34	0.19	7.9	40	0.33	152	0.12	0.03	2.46	1.9	23	1.6	3.3	0.65	1.05	0.05

C102805	16.8	0.14	0.22	4.7	30	0.31	54.4	1.27	0.09	2.2	0.7	33	0.23	3.6	0.37	1.55	0.06
C102806	29.3	0.2	0.45	11.8	110	0.26	78.5	0.34	0.02	2.65	1.4	23	0.4	2.8	0.49	1.71	0.05
C102807	16.7	0.23	1.89	31.5	460	0.75	41.1	0.42	0.05	11.95	4.7	22	1.91	4	1.05	5.7	0.08
C102808	<0.05	0.01	7.2	11.1	530	2.22	0.67	0.24	0.04	40.6	4.8	5	16.6	8.2	2	17.05	0.11
C102809	<0.05	0.01	7.26	10.6	2540	2.36	0.77	0.36	0.06	41.5	4.6	5	12.15	5.3	2	18.6	0.12
C102810	0.32	0.04	2.43	6.3	510	0.17	1	0.25	0.03	16.65	1.5	14	0.66	6.2	0.72	5.67	0.08
C102811	23.4	2.24	0.2	4.4	70	0.37	137.5	0.03	0.17	4.23	1.2	21	0.53	4.1	0.96	1.16	0.06
C102812	<0.05	0.02	3.37	13.2	1190	1.24	0.64	0.12	0.07	14.85	0.8	21	2.17	3.1	0.55	5.84	0.08
C102813	<0.05	1.09	8.98	25.3	2400	1.79	6.63	0.51	0.36	78.6	5.9	9	19.55	80.2	3.92	21.9	0.18
C102814	19.2	0.82	3.19	4.5	820	0.5	65.6	0.22	0.09	14.1	2	13	4.07	5.1	0.78	7.77	0.08
C102815	<0.05	0.11	0.91	4.8	130	0.48	1.38	0.36	0.09	11	4	9	2.29	14.9	1.15	3	0.07
C102816	45.2	4.33	0.69	2.4	150	0.37	221	0.13	0.13	4.28	1.1	21	1.91	6.2	0.52	2.54	0.05
C102817	26.7	0.49	0.11	1.6	30	0.18	74.3	0.04	0.03	1.44	0.6	26	0.16	3.5	0.35	1.01	<0.05
C102818	36.6	0.61	1.08	3.2	290	0.68	99.6	0.53	0.04	10.85	2	34	0.69	5.4	0.77	3.33	0.07
C102819	17.15	0.31	1.96	1.8	490	0.34	42.4	0.26	0.02	8.89	1.5	21	1.43	4	0.66	5.52	0.08
C102820	45.7	1	0.2	1.3	30	0.09	139.5	0.08	0.03	3.13	1.2	17	0.81	4.4	0.41	0.97	0.07
C102821	17.25	5.18	0.7	3.2	150	0.54	140.5	0.24	0.59	4.84	1.6	29	0.88	7.2	0.59	2.74	0.07
C102822	1.41	0.71	1.97	13.7	400	0.3	11.6	0.05	0.07	39.8	2.3	17	1.29	9.7	0.7	5.58	0.09
C102823	7.81	2.04	0.37	11.7	50	0.19	62.4	0.01	0.1	3.7	1.7	26	0.3	11.1	0.67	1.38	0.06
C102824	11.6	1.34	0.68	28.4	160	0.76	53.9	0.03	0.21	9.19	4.3	30	0.64	15.5	1.85	2.35	0.08
C102825	8.58	1.46	1.27	36.8	200	0.96	51.4	0.04	0.24	11.4	7.3	38	1.3	20.7	2.16	3.6	0.08
C102826	5.24	2.38	2.21	39.1	400	1.12	24.1	0.07	0.32	20.6	12.9	21	1.79	57.7	2.65	6.1	0.09
C102827	10.6	2.21	0.66	79.7	70	0.74	61.3	0.05	0.29	8.79	16	15	0.79	50.8	2.63	2.39	0.07
C102828	36	3.71	1.36	14.6	290	0.3	142	0.05	0.31	10.25	2.7	20	0.53	11.6	0.77	4.23	0.06
C102829	8.16	1.43	0.74	3.2	120	0.32	38.5	0.16	0.98	3.2	5	14	1.14	21	0.73	2.88	<0.05
C102830	22.5	2.32	3.62	56.6	740	0.79	101.5	0.12	0.18	21.3	8.3	19	1.86	26.5	1.41	9.5	<0.05
C102831	16.9	1.24	1.54	59.3	210	0.51	55.8	0.06	0.37	12.5	5.1	17	1.04	11.8	1.08	4.71	<0.05
C102832	7.69	0.53	1.89	4.4	430	0.54	34.4	0.2	0.45	11.6	1.9	20	1.72	6.7	0.88	5.51	<0.05
C102833	<0.05	0.2	5.74	9.9	100	1.36	0.61	4.54	0.14	41.1	9.8	12	4.63	9.4	3.23	13.75	0.06
C102834	2.25	0.66	0.62	2	120	0.3	13.75	0.14	0.55	3.2	4.1	18	0.77	33.4	0.96	2.15	<0.05
C102835	<0.05	0.05	9.02	15.3	1670	1.87	0.55	0.51	0.11	67.1	9.9	19	9.9	5.4	3.7	22.2	0.09
C102836	<0.05	0.11	10.35	67.1	1080	3.49	0.77	0.55	0.24	113.5	19.4	30	32.7	9.4	8.45	31.1	0.15
C102837	<0.05	0.04	8.74	9.2	1700	1.42	0.12	3.95	0.2	37.1	36.5	347	19.3	52	5.47	16.95	0.1
C102838	0.88	2.5	7.24	29.2	1230	1.23	13.75	0.23	1.15	44.6	11.2	13	5.6	54.7	1.89	18.15	<0.05
C102839	21.2	2.16	4.37	27.6	870	0.82	91.7	0.18	0.45	23.2	10.3	18	3.77	26.6	1.55	11.55	<0.05
C102840	0.21	1.07	6.67	30.7	1130	1.59	5.46	0.19	0.79	38.4	12.6	15	6.8	34.2	2.5	15.6	0.05
C102841	2.74	1.62	4.51	26.8	530	1.19	17.45	0.15	0.52	30.8	12.4	14	4.37	38.2	2.67	10.85	<0.05
C102842	0.11	0.1	7.81	18.4	1410	1.95	0.85	1.85	0.27	45.8	13.7	19	9.25	14.7	3.91	18.7	0.09
C102843	<0.05	0.13	6.79	16.7	1320	1.46	0.99	3.58	0.26	44.8	12.4	14	6.15	12.9	3.49	15.45	0.1
C102844	5.58	3.79	4.62	13.8	100	1.15	28.5	1.77	0.25	22.9	12	13	5.13	16	1.79	10.1	<0.05
C102845	9.47	2.36	2.72	18.9	320	0.91	48.5	0.1	0.16	16.85	12	13	2.59	6.6	1.82	6.62	<0.05
C102846	281	1.45	1.01	5.8	240	0.31	692	0.54	0.06	5.66	2.1	22	0.81	4.3	0.59	3.7	0.21
C102847	14.5	2.87	0.32	1.4	50	0.47	109	0.12	0.14	2.59	1.1	17	2.44	4.1	0.55	1.7	<0.05
C102848	65.3	0.9	0.19	1.6	30	0.22	197.5	0.11	0.02	1.94	0.7	22	0.34	4.1	0.38	1.02	<0.05
C102849	41.5	1.28	0.08	3.6	40	0.41	148.5	0.03	0.16	2.91	1.6	24	0.17	11.5	0.6	0.95	<0.05
C102850	36	0.43	0.12	1.9	20	0.21	109	0.02	0.07	1.85	0.8	22	0.25	2.9	0.45	0.84	<0.05
C102851	285	2.86	0.99	<0.2	280	0.49	758	0.07	0.04	3.69	1.1	27	1.9	9.3	0.57	2.85	0.14
C102852	281	2.78	0.37	<0.2	20	0.4	916	0.04	0.09	3.35	2	19	1.7	11.7	0.82	1.92	0.13
C102853	135.5	1.77	1.63	6.6	260	0.49	478	0.07	0.04	6.15	1	17	3.56	8.3	0.93	5.39	<0.05
C102854	17.55	0.76	0.92	2.4	180	0.45	82	0.06	0.05	4.97	0.6	21	1.93	4	0.62	2.91	<0.05
C102855	50.1	1.3	0.48	6.4	100	0.38	171.5	0.04	0.12	4.93	1.8	27	1.21	9.2	0.93	2.01	<0.05

ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc
ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
2.7	0.04	2.37	24.7	25.8	0.79	748	0.39	0.79	6.9	9.8	480	11.9	93.8	<0.002	<0.01	10.95	13.3
3.5	0.029	3.62	50.1	14.4	0.15	623	1.55	1.03	14.4	1.6	240	30.3	147	<0.002	0.01	3.33	3.6
1	0.07	3.2	44.2	52.6	0.43	1210	1.69	1.78	11.3	3.7	1470	16.6	120.5	<0.002	<0.01	3.81	17.6
2.9	0.046	1.9	37.2	23.3	0.58	1470	1.69	0.88	7.4	12.8	620	39	95.9	<0.002	0.12	14.1	18.3
0.8	0.064	3.2	34.2	14.1	0.12	1410	6.82	1.98	9.6	6.1	1270	23.3	118.5	<0.002	0.01	9.86	14.7
0.2	0.009	0.21	5.6	3.9	0.07	202	0.86	0.15	1	1.6	150	3.8	9.3	<0.002	<0.01	1.91	2.5
1.1	0.074	2.59	43.7	9.5	0.39	956	1.53	1.82	14.2	5.5	1550	16.2	101.5	<0.002	<0.01	6.26	20.7
2.9	0.01	3.35	39.1	14.2	0.16	172	0.53	0.93	10.3	1.3	160	15.6	147.5	<0.002	<0.01	7.4	3.5
2.6	0.019	2.14	38	17.7	0.33	333	1.03	1.4	8.5	4.4	290	14.1	87.5	<0.002	0.01	7.83	6.3
1.4	0.038	3.88	29.8	21.5	1.33	864	3.71	1.58	11.9	33.7	1270	17.8	99.6	0.002	<0.01	2.72	14.9
0.7	0.037	4	33	7.4	0.37	873	1.92	2.75	11.4	8.2	1490	22.5	105	<0.002	<0.01	2.73	13
0.1	0.005	0.06	2.9	2.4	0.02	360	20.9	0.01	0.2	4.1	70	58.2	1.9	0.014	<0.01	3.07	1
1.2	0.037	4.3	24.9	10.3	0.32	632	1.72	1.41	12.4	16	1310	40.5	108	<0.002	<0.01	3	14.4
0.7	0.03	4.39	31.5	9.8	0.45	540	1.17	2.47	13.4	6.8	1370	20.5	113	<0.002	0.03	2.31	10.5
1.2	0.026	4.06	20.2	19.3	0.69	624	3.79	0.51	8.7	24.3	1000	32	120	<0.002	<0.01	7.27	13.2
0.1	<0.005	0.71	5.9	2.5	0.04	692	9.29	0.07	0.8	6.6	180	40.8	17.5	<0.002	0.01	7.51	2.3
1.7	0.045	3.98	21.5	12	0.43	1100	12.1	1.92	12.7	24.3	1450	27.8	107	<0.002	<0.01	2.98	17.2
0.1	0.01	0.28	2.2	3.4	0.02	291	4.43	0.02	0.7	1.9	90	26.1	7.6	<0.002	<0.01	6.42	0.9
0.8	0.036	4.37	25.7	8.7	0.31	1120	4.73	1.89	10.8	7	1410	60.9	82.6	<0.002	<0.01	4.4	10.9
1.8	0.046	4.36	30.7	16.7	0.98	1260	5.35	1.25	13.3	34.8	1520	59	112	<0.002	<0.01	3.9	21.1
0.1	0.005	0.22	4.4	4.8	0.04	724	4.22	0.04	0.7	7	140	221	6.8	<0.002	<0.01	4.52	2.9
0.8	0.033	4.4	27.6	9.2	0.36	780	11	2.15	13.9	7.1	1470	101	111.5	<0.002	<0.01	3.73	11.4
0.7	0.029	5.35	15.2	10.3	0.17	1170	8.03	1.95	11.6	5.2	1330	22.2	119	<0.002	<0.01	25.4	10.4
0.2	0.006	2.31	9.9	4.3	0.03	219	12.15	0.1	3.5	3.2	260	36.7	59.1	0.006	<0.01	6.09	2.8
2.2	0.041	3.26	31.2	25.2	1.11	1105	2.92	1.03	11.6	59.3	1210	24.7	107.5	<0.002	<0.01	5.95	18.5
0.9	0.034	4.54	31.8	11.1	0.64	637	1.58	1.94	10.4	8	1430	97.3	113	<0.002	<0.01	2.66	11.7
<0.1	<0.005	0.03	1.6	2.4	0.01	228	0.83	0.01	0.2	2.8	40	55.3	0.9	<0.002	<0.01	4.64	0.6
1.5	0.038	3.22	27.3	21.7	1.22	757	5.73	1.38	10.8	46.2	1270	43.3	91.7	<0.002	<0.01	2.6	15
0.7	0.031	5.37	26.3	11.9	0.6	538	6.3	1.8	10.6	7.9	1310	22.8	105.5	<0.002	<0.01	2.7	11.3
0.1	0.008	1.1	7	4.2	0.07	283	0.89	0.12	1.6	2.6	240	39.4	27.5	<0.002	<0.01	2.64	2.4
1.4	0.03	5.67	32.1	6.7	0.23	950	4.95	1.32	10.9	11.6	1080	49.3	137	<0.002	<0.01	2.94	11.5
0.7	0.026	5.68	34.9	9.7	0.08	524	6.67	2.03	11.2	7.2	1260	18.7	114	<0.002	<0.01	4.38	11.4
0.1	<0.005	1.15	6.1	2.3	0.02	72	0.47	0.06	1.5	1.3	170	8.2	29.5	<0.002	<0.01	7.59	1.4
0.8	0.033	5.34	31.5	9.4	0.11	763	2.89	1.7	13.5	5	1400	40.7	109.5	<0.002	<0.01	5.84	10.5
0.1	<0.005	0.64	1.9	3.6	0.01	86	0.85	0.02	0.9	1.6	110	57.7	15	<0.002	<0.01	5.36	1
0.7	0.036	3.75	28.4	10.9	0.16	982	2.55	2.59	14.2	5.2	1440	33.6	96.9	<0.002	<0.01	5.32	9.6
0.6	0.025	5.12	29.1	18.5	0.09	1510	2.07	0.77	10.8	7.2	880	22.7	114.5	<0.002	<0.01	26.6	9.2
0.6	0.016	0.85	7.6	13.6	0.03	626	2.42	0.05	2.7	8.6	230	14.9	22.8	<0.002	<0.01	12.7	5.4
1	0.037	5.39	32.8	19.4	0.15	492	1.66	0.77	14.4	6.9	1040	27.4	119.5	<0.002	<0.01	24.1	12.2
4.6	0.051	2.11	26.8	40.3	1.07	846	0.83	1.29	9.4	22.6	1170	16	58.4	<0.002	<0.01	5.66	17.8
4.5	0.042	2.21	27.5	23.1	1.22	818	0.45	1.63	8.5	16.1	1050	12.8	86.2	<0.002	<0.01	1.44	17.1
5	0.05	2.46	25.5	18.8	0.72	697	0.67	0.89	8.9	13.4	780	15.3	94.7	<0.002	<0.01	12.85	20
4	0.035	2.48	30.8	20.6	0.61	573	1.01	1.13	8.4	10.3	590	17	109.5	<0.002	<0.01	9.15	12.3
1.4	0.044	4.18	54.2	7.9	0.21	335	2.61	2.37	13	7.7	1000	23.5	110.5	<0.002	0.01	8.35	13.6
0.3	0.02	0.95	7.8	5.2	0.04	139	1.66	0.21	2.5	3.4	200	45.4	28.8	<0.002	0.01	5.53	2
3.6	0.024	3.06	30.4	14.5	0.16	364	1.73	1.44	9.7	3	280	14.5	119	<0.002	<0.01	3.64	3.3
0.2	0.011	1.22	4.8	4.6	0.04	69	1.7	0.13	1.8	1.9	200	11	36.2	0.002	<0.01	6.11	1.8

3.1	0.03	4.23	34.5	11.8	0.13	195	1.37	1.64	11.7	3.9	430	20.7	159	0.002	<0.01	5.68	5.9
0.9	0.042	4.58	51.6	13.2	0.24	541	1.34	1.93	15.2	9.7	1600	65.3	132.5	<0.002	<0.01	29.3	12.9
0.7	0.033	5.36	44.1	4.2	0.48	662	1.83	2.62	15.9	7.4	1250	14	142.5	0.002	<0.01	1.76	10.3
0.3	0.01	2.89	15.3	4.2	0.02	226	3.79	0.56	6.1	4.5	490	6.9	70.6	0.002	<0.01	3.4	3.5
0.6	0.032	5.4	33.7	5.8	0.1	421	2.96	2.25	14.8	7.6	1250	16.6	144	<0.002	<0.01	3.05	9.4
0.1	<0.005	1.29	5.9	2.4	0.02	216	0.89	0.25	2.6	2.8	240	12.9	32.3	0.002	<0.01	4.29	2.2
0.6	0.032	5.34	57.5	9.8	0.07	648	1.46	1.91	16	4.7	1320	33.5	151.5	0.002	<0.01	4.5	10.6
0.1	<0.005	0.35	2.1	2	0.01	185	0.53	0.04	0.7	3	80	13.1	8.8	<0.002	<0.01	5.07	1.1
4.1	0.025	4.51	38.8	12.3	0.21	605	2.84	1.03	11	5	240	25.3	180.5	<0.002	<0.01	3.68	3.4
<0.1	<0.005	0.05	1	2.5	0.01	80	0.67	0.01	1.6	2.8	30	80.1	2.1	0.003	<0.01	6.59	<0.1
0.6	0.04	3.64	51.2	11.5	0.38	567	1.15	1.84	13.9	8.2	1430	32.1	109	<0.002	<0.01	10.8	12
0.1	0.007	0.55	2.6	5.2	0.01	193	1.07	0.04	1.3	2.7	100	25.8	15.4	<0.002	0.01	3.6	1.6
3.1	0.02	3.27	29.6	16.3	0.13	611	1.15	1.29	10.2	4.5	290	16.4	115	<0.002	<0.01	5.62	3.1
0.2	0.022	1.34	3.2	7.2	0.03	192	1.14	0.04	3	4.3	150	21.4	38.9	0.011	<0.01	5.13	2.7
2.5	0.042	3.76	36.7	14.6	0.31	1555	2.21	0.81	12.4	12.5	730	24.2	164	0.01	<0.01	21.2	12.8
0.7	0.036	3.48	32.8	5.5	0.28	713	1.17	2.17	13.4	8.5	980	19.3	94.7	0.01	<0.01	7.06	9.1
0.1	0.009	1.2	6.2	3.6	0.02	99	0.84	0.18	2.8	2.7	210	5.5	34.1	0.003	<0.01	7.23	2.2
3	0.032	3.26	41.6	15.2	0.2	269	1.01	0.94	11.6	5.1	360	25.1	135.5	0.007	<0.01	15.4	4.9
0.7	0.036	3.82	28.5	6.3	0.77	649	1.44	2.56	14.9	8	1320	19.3	107.5	<0.002	<0.01	1.23	11.8
<0.1	<0.005	0.06	1	1.7	0.01	37	4.35	0.01	0.2	1.2	20	19.6	2.2	0.003	0.01	3.7	0.3
3	0.023	3.18	27.8	8.5	0.19	292	2.35	2.34	10.2	2.2	280	25.1	109.5	<0.002	<0.01	1.57	2.8
1.5	0.036	4.02	37.8	9.8	0.17	231	4.86	1.67	12.8	9.4	950	21.7	137	<0.002	<0.01	3.12	11.5
2.6	0.025	3.08	30.4	17.6	0.12	306	4.68	1.81	10.7	5.9	450	29	111.5	<0.002	<0.01	9.76	5.5
0.7	0.045	3.75	23.9	12	0.1	522	1.56	2.65	11.9	7.5	1550	22.9	96.5	<0.002	<0.01	7.51	13.2
0.4	0.007	2.72	9.1	5.2	0.02	376	47.6	0.21	2.1	7.1	230	37.7	74	0.017	<0.01	2.51	3.7
2.6	0.019	1.71	28.5	33.8	0.05	701	3.92	0.84	8.8	6.4	430	43.8	55.5	<0.002	0.01	8.77	4.2
0.1	<0.005	0.61	3.1	3	0.01	231	1.19	0.09	1	3	150	45.1	17.3	<0.002	<0.01	3.26	1.7
1.1	0.033	4.4	26.2	9.3	0.07	466	7.46	0.85	13.8	4.5	1270	31.9	111.5	<0.002	<0.01	5.73	11.7
0.1	0.006	1	4.9	4.4	0.08	158	2.29	0.04	1.4	2.4	160	44.1	27.9	<0.002	0.03	3.56	1.7
<0.1	0.007	0.06	1.2	1.3	0.06	86	3.26	0.01	0.5	2.4	40	67.3	1.8	<0.002	0.09	3.7	<0.1
0.1	<0.005	0.5	3.8	2	0.04	100	7.32	0.02	1.3	2	100	26.3	13.1	0.004	0.01	3.2	1.3
0.1	0.005	1.15	4.7	7.4	0.18	146	1.95	0.05	1.5	8.2	250	22.3	29.6	<0.002	0.02	5.59	1.8
0.1	<0.005	0.44	2.8	3.4	0.11	151	0.89	0.06	0.5	4.8	50	14.1	8.4	<0.002	0.01	3.46	0.7
0.1	<0.005	0.21	1.6	6.7	0.23	169	1.8	0.02	0.5	2.7	60	19.3	6.9	0.002	0.13	4.14	0.6
0.1	<0.005	0.6	3.2	10.2	0.23	153	0.5	0.06	1	7.4	70	30.7	14.5	<0.002	<0.01	2.35	1.4
<0.1	<0.005	0.25	1.4	2.7	0.07	96	0.65	0.02	0.5	2.2	90	12.5	6.6	<0.002	0.01	7.92	0.8
0.3	0.009	2.29	8.1	8	0.4	256	1.99	0.18	3	5.9	570	32.5	53.9	<0.002	0.01	3.91	6.1
1	0.048	2.34	27.4	31.1	1.37	749	1.38	1.76	8.8	5.6	1860	14.6	65.9	<0.002	<0.01	46.8	16.1
0.8	0.19	2.2	58.9	39.5	1.35	2620	1.54	0.63	8.2	6.8	2200	7710	67.5	<0.002	0.94	97.5	24.9
1.4	0.015	3.72	12.1	6.1	0.5	332	1.22	2.08	5.6	2.6	690	21.5	96.5	<0.002	<0.01	1.39	7.3
0.2	0.007	1.12	5.1	4.9	0.25	186	2.65	0.2	1.6	5.2	300	48.3	29.8	<0.002	0.01	4.98	3.3
1.1	<0.005	2.63	4	2.3	0.1	130	0.26	1.54	5.2	1.2	80	25.3	91.1	<0.002	<0.01	0.6	1.3
0.8	0.054	3.17	31.2	22.3	0.4	939	3.81	1.61	8.6	6.7	2030	19.2	101	<0.002	<0.01	6.2	20.5
0.1	<0.005	0.25	3.2	1	0.02	79	0.36	0.03	0.3	2	50	4.3	6.9	<0.002	<0.01	0.5	0.3
0.1	0.006	0.3	3.1	4.4	0.04	110	3.66	0.04	0.8	1.8	70	20.9	10.1	0.002	<0.01	1.45	1.1
<0.1	<0.005	0.16	1.5	2.1	0.01	349	2.41	0.01	<0.1	3.9	60	20.1	5	<0.002	0.01	4.35	0.7
0.7	0.038	4.44	51	16.7	0.34	1855	3.04	1.09	12.5	16	1090	37.4	121.5	<0.002	0.01	45.2	13.8
2.5	0.028	3.55	40.4	13.9	0.25	623	2.31	1.31	10	7.2	660	23.9	117.5	<0.002	0.01	12.2	8
0.2	0.008	0.32	6.8	8	0.04	324	102	0.06	1.3	10.2	220	51.5	9.4	0.037	0.01	11.25	3.3
2.9	0.032	4.07	37.9	13.8	0.5	602	1.31	0.76	11.2	4.5	580	14.9	202	<0.002	<0.01	11.2	6
0.6	0.041	3.48	46.5	12.8	0.2	608	3.74	1.94	13.2	6.3	1300	181	94.7	<0.002	<0.01	25.6	13.1
1.1	0.114	1.28	31	24.5	0.16	1105	3.53	1.44	15.2	11.3	2160	89.2	41.9	<0.002	<0.01	61.5	22.2
0.7	0.043	3	37.2	16.1	0.45	1045	1.78	2.59	10.4	10.4	1820	29.1	86.2	<0.002	<0.01	25.1	13.6
0.4	0.026	3.53	24.4	9.5	0.3	473	3.7	0.79	6.8	5.8	760	562	90	<0.002	0.05	5.67	7.1
0.3	0.015	2.38	10	10.2	0.05	159	1.14	0.31	4.1	2.8	480	79.5	62	<0.002	0.01	4.24	3.7
0.2	0.007	0.6	5.7	6.8	0.02	329	42.1	0.04	1	4	140	182	16.8	0.022	0.02	4.62	2.6
<0.1	<0.005	0.06	2	2.5	0.02	270	0.45	0.01	<0.1	1.4	30	5.2	2	<0.002	0.01	5.93	0.5

<0.1	<0.005	0.11	1.2	2.7	0.07	179	0.39	0.02	0.1	1.3	40	25.8	2.9	<0.002	0.01	8.1	0.6
0.1	0.005	0.34	1.6	4.3	0.08	234	0.21	0.05	0.1	1.5	60	2.6	8.4	<0.002	0.01	5.22	0.9
0.2	0.01	1.25	6.2	4.8	0.2	171	0.59	0.4	1.6	1.9	370	13.2	32.2	<0.002	0.01	11.3	3.7
1.8	0.031	2.28	24.5	49.2	0.2	415	1.51	0.18	9.5	2.4	680	12.1	100.5	<0.002	<0.01	12.45	8.3
1.9	0.035	4.17	24.2	20.2	0.19	936	2.53	0.86	10	2.2	580	25.7	153.5	<0.002	<0.01	9.88	6.8
0.3	0.005	2.59	8.5	4	0.16	247	21.9	0.17	2.5	1.4	340	5.6	57.4	0.004	0.01	0.82	1.9
<0.1	<0.005	0.09	1.8	1.2	0.01	274	0.63	0.01	<0.1	1.5	40	60.8	2.5	<0.002	<0.01	5.49	0.7
1	0.026	2.42	8.1	14.3	0.05	329	1.16	0.69	5.1	1.4	150	10.1	79.7	<0.002	0.01	5.16	1.6
0.9	0.048	3.87	54.4	30.8	0.06	702	2.48	0.17	8.4	2	1930	74.4	106	<0.002	<0.01	107.5	19
0.2	0.01	2.95	13.1	3.6	0.08	110	2.53	0.43	2	2.6	470	19.9	72.1	<0.002	<0.01	9.93	3.7
0.2	0.007	0.44	5.8	2.7	0.12	259	2.06	0.15	0.5	2.7	140	11.7	13.2	<0.002	<0.01	3.18	1.5
0.1	0.006	0.58	1.7	2.8	0.07	206	0.44	0.03	0.4	1.6	120	70.7	15	<0.002	<0.01	3.12	1.2
<0.1	<0.005	0.03	0.8	1.9	0.01	121	0.42	0.01	<0.1	1.3	20	4.9	0.9	<0.002	<0.01	3.24	0.2
0.1	0.008	0.7	5.2	6.9	0.29	272	12.95	0.19	0.7	2.9	180	6.5	18.6	0.004	<0.01	6.23	1.8
0.1	0.007	2.03	4.2	4.6	0.13	108	0.3	0.18	0.9	2.8	280	3.9	49.8	<0.002	<0.01	3.93	2.5
<0.1	<0.005	0.05	1.4	2.6	0.04	88	0.3	0.01	<0.1	2	30	9.4	1.7	<0.002	<0.01	4.33	0.6
0.1	0.008	0.47	2.3	2.6	0.12	206	0.52	0.07	0.3	2.1	130	173	11.5	<0.002	0.01	6.6	1.2
0.1	0.02	1.91	22.5	6.3	0.02	154	1.86	0.05	2.2	2.3	210	16.5	49.2	<0.002	<0.01	12.3	2.3
<0.1	<0.005	0.11	1.6	5.2	0.01	150	0.54	0.01	0.1	1.8	70	50.5	2.9	<0.002	<0.01	4.68	1.2
0.1	0.005	0.4	3.6	5.2	0.01	471	1.37	0.01	0.5	4	140	32.9	10.8	<0.002	<0.01	10.15	3.3
0.2	<0.005	0.64	5.3	23.4	0.03	448	2.57	0.03	0.6	5.8	180	45.6	17.3	<0.002	<0.01	8.41	3.8
0.2	0.009	1.16	10.9	40.9	0.03	390	11.7	0.03	1.7	9.9	310	61.1	30.9	<0.002	0.01	27.1	3.8
0.1	<0.005	0.16	4.3	8.3	0.02	283	47.6	0.02	0.3	6.5	130	33.8	4.7	0.016	0.01	6.75	2
0.1	0.007	1.18	5.3	6.1	0.01	180	13.15	0.04	0.9	2.7	210	49.1	26.9	0.003	<0.01	4.39	2
0.1	0.005	0.46	1.6	7.4	0.16	178	1.87	0.04	0.6	4.4	90	70.9	12.6	<0.002	<0.01	3.16	1
0.3	0.013	3.4	10.8	10.5	0.02	180	11.15	0.08	4.1	6.4	500	36.4	81.2	0.006	<0.01	12	4.7
0.1	0.009	1.11	6.5	12.8	0.02	239	9.86	0.03	1.3	4.7	270	34.2	27.1	0.003	<0.01	3.47	2.5
0.1	0.008	1.4	5.5	11.4	0.19	305	2.53	0.21	1.6	2.5	280	22.8	35.6	<0.002	<0.01	3.95	2.5
0.6	0.032	0.88	20.4	75.5	1.11	652	0.99	0.02	5.6	8.3	980	8.4	43.6	0.002	0.41	5.53	10.5
<0.1	<0.005	0.5	1.6	3.9	0.07	121	1.52	0.04	0.5	5.6	70	52.7	13.1	0.002	<0.01	2.27	0.8
0.7	0.039	4.18	41.3	9.8	0.29	708	1.21	2.41	11.8	7.3	1370	22.3	120.5	0.002	<0.01	5.74	11.6
1.4	0.086	1.89	59.3	29.1	0.26	1065	2.05	0.96	18	10.7	1820	28.3	70.5	0.002	<0.01	43.6	27.9
2.7	0.059	1.75	18.7	29.7	3.26	1250	0.47	1.33	11.4	133	1240	7.7	40.3	<0.002	<0.01	4.67	32.6
0.6	0.024	3.56	23.4	42.9	0.06	483	1.29	0.13	6.5	5.4	920	113.5	96.2	<0.002	<0.01	37.8	8.4
0.3	0.014	2.83	11.9	24.8	0.09	921	0.8	0.1	3.1	7.2	600	119	71.4	<0.002	<0.01	14.8	5.5
0.5	0.022	3.11	19.5	63.8	0.07	637	1.41	0.09	4.8	8	1000	121	80.1	<0.002	0.01	20.2	7.7
0.4	0.022	2.35	15.5	57.8	0.06	626	31.7	0.06	4.5	7.7	790	23.1	56.3	0.004	0.01	10.5	6.2
0.7	0.036	3.61	21.7	25.1	0.15	799	3.56	1.3	8.9	8.2	1410	22.9	87.6	<0.002	0.01	19.05	10.4
0.5	0.026	3.62	22	32.1	0.66	804	9.28	0.13	6.1	8	1020	26.9	80.5	0.002	0.02	32.7	9.3
0.3	0.015	1.21	11.2	78.9	0.08	454	9.12	0.02	3.5	5.4	560	24.3	28.5	0.002	0.01	10.3	5
0.2	0.008	1.4	8.4	67.6	0.05	449	11.7	0.04	2.1	6.7	440	20	30.8	<0.002	0.01	5.58	4
0.1	<0.005	0.75	2.9	5.4	0.15	187	0.42	0.12	0.9	1.7	210	6.3	18.9	0.009	0.01	6.99	2.2
<0.1	0.005	0.1	1	3.4	0.12	264	0.43	0.01	0.3	1.6	50	60.5	3.2	<0.002	<0.01	1.84	0.6
<0.1	<0.005	0.05	0.7	6.3	0.08	106	0.27	0.01	0.2	1.7	10	4.6	2	<0.002	<0.01	4.36	0.3
<0.1	0.005	0.01	1	1.9	0.01	233	0.85	<0.01	0.1	2.7	20	18	0.6	<0.002	<0.01	5.17	0.5
<0.1	<0.005	0.04	0.6	1.5	0.01	143	0.45	<0.01	0.1	2	20	7.1	1.3	<0.002	<0.01	3.2	0.3
0.2	<0.005	0.73	2.6	4.4	0.05	86	6.81	0.06	1.1	2.1	100	26.8	20.7	0.011	0.01	2.31	1.3
<0.1	<0.005	0.04	1.1	5.2	0.03	129	1.64	0.01	0.3	3.5	50	37.6	2	0.009	0.01	2.67	0.9
0.3	0.005	1.25	4.9	3.4	0.04	77	3.21	0.08	1.8	2.8	110	21.4	35.3	0.003	0.01	7.02	2
0.2	<0.005	0.56	3.4	4.7	0.02	52	1.43	0.02	1.2	2.1	90	10.9	17.5	<0.002	<0.01	6.4	1.4
0.1	<0.005	0.29	2.4	4.1	0.02	185	1.83	0.02	0.5	6.1	80	14.2	8.8	0.002	0.01	6.44	1

ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr
ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
1	1.5	194	0.57	<0.05	11.9	0.386	0.6	3.1	131	8.8	20	65	108.5
2	2.5	224	1.27	<0.05	28.9	0.137	1.02	7.1	13	1.6	23.7	38	99.6
2	2.4	709	0.94	0.07	11.6	0.38	0.79	7.3	157	1.5	29.4	116	21.4
2	1.6	176.5	0.61	0.05	13.4	0.338	0.6	7.4	156	3.1	34.3	120	117.5
2	1.7	500	0.71	0.06	11.7	0.326	0.9	4.5	143	1.3	21.2	113	16.6
2	0.3	54.3	0.07	<0.05	1.1	0.035	0.08	0.8	29	0.4	3.9	19	4.2
2	2.5	593	0.95	<0.05	10.8	0.439	0.73	5.2	177	2.6	28.5	108	20.7
1	1.4	138	1.07	<0.05	24.7	0.112	1.43	5.6	21	1.8	19.3	41	96.1
2	1.3	171.5	0.86	<0.05	20.4	0.159	0.88	5.1	52	1.9	19.5	73	93.3
1	3.1	873	0.76	0.63	5.8	0.324	0.75	1.6	117	5.9	21.6	59	42.4
1	2	1030	0.67	0.05	4.1	0.267	0.51	1.2	125	5.7	18.8	66	13.6
1	0.2	13.7	<0.05	11.8	0.2	0.006	0.02	0.4	15	0.4	3.6	28	1.8
1	2.3	595	0.84	0.31	4.7	0.305	0.76	1	115	8.2	17.1	56	37
1	2.2	1005	0.89	0.09	4.7	0.287	0.53	1.2	107	3.7	13.8	70	10.9
1	1.8	519	0.55	6.71	4	0.24	1.03	1.4	95	10.7	13.1	71	40.8
1	0.4	47.2	0.06	11.9	1	0.022	0.1	1	35	3	7.2	51	3.8
1	1.8	639	0.95	0.42	5.4	0.38	0.86	2	144	3.6	13.8	101	51.1
1	0.5	19.1	0.05	14.55	0.3	0.017	0.05	0.3	19	1.9	1.4	11	1.6
1	2.2	822	0.79	0.72	4.7	0.242	0.61	0.9	119	7.7	12	83	13.8
1	2.2	557	1.03	0.65	4.8	0.389	0.98	1.9	153	5	19.7	279	58.2
2	0.3	26.6	<0.05	9.74	0.4	0.018	0.05	0.8	32	2.3	6.2	113	4
2	2.1	687	1.04	0.42	6.9	0.323	0.58	1.3	126	5.4	11.4	147	11.6
2	2.3	625	0.77	0.18	3.4	0.243	0.7	0.6	112	8.3	10.3	52	10
2	0.8	145.5	0.3	4.86	1.4	0.069	0.25	0.6	30	4.8	5.7	26	4.1
2	1.3	559	0.77	0.52	5.6	0.352	0.97	1.7	134	3.8	20.5	100	63.3
2	2.5	908	0.65	0.8	5	0.269	0.58	1.1	113	4	17.1	65	15
2	<0.2	7	<0.05	12.25	<0.2	<0.005	<0.02	0.3	11	0.5	1.7	17	1
2	1.5	616	0.77	0.48	4.8	0.303	0.68	1.4	117	3.6	16.4	82	39.6
2	2.7	936	0.62	0.43	3.8	0.236	0.63	1.7	105	8.6	14.5	83	9.6
2	0.6	117	0.1	12.7	0.9	0.044	0.17	0.4	27	4.5	3.1	16	3.2
2	2.1	675	0.71	0.3	5.5	0.284	1.12	1.4	105	12.7	16.7	58	35.3
2	2.6	767	0.63	0.82	4.1	0.247	0.6	1.2	115	3.9	15.3	42	11.7
2	0.8	83.9	0.09	2.49	1	0.034	0.14	0.2	16	2.4	2.2	5	2
2	3.1	685	0.89	2.21	5.1	0.274	0.7	1.2	124	11.8	14.3	34	10.8
2	0.4	32.8	0.05	12.65	0.3	0.021	0.07	0.3	18	3.5	1.6	8	1.4
1	2.1	584	1.04	0.2	8.2	0.281	0.5	1.1	110	9.7	13.2	44	10.7
2	2.8	487	0.84	2.24	4.2	0.205	0.64	1.1	90	10.7	16.7	42	9.7
2	0.5	58.6	0.18	3.3	1.7	0.087	0.12	1.1	51	5	7.8	41	16.4
2	2.7	568	1.25	1.08	5.4	0.267	0.69	1.6	108	13	15.4	50	16.4
2	1.5	334	0.65	<0.05	12.5	0.459	0.49	3.3	161	2.3	22.8	71	127
2	1.4	397	0.6	<0.05	11.4	0.427	0.71	3.2	152	1.3	19.6	67	125.5
2	1.5	237	0.62	0.08	13.1	0.461	0.79	3.7	168	3	23.2	70	144
2	1.4	263	0.68	0.1	14.6	0.284	0.85	4.5	99	2.1	19.2	48	104
2	2	518	1.05	2.39	7	0.261	0.74	2.4	122	2.2	20.5	43	28.3
2	0.8	88	0.22	12.85	1.7	0.047	0.16	0.6	21	2.5	3.6	65	6.1
2	1.6	289	0.84	0.47	17.7	0.154	0.87	5.2	20	2.3	14.3	17	83.9
2	0.7	90.3	0.13	13.05	0.8	0.04	0.16	0.4	22	3	2.1	9	4.2

2	1.8	406	0.98	0.43	15.9	0.171	1.02	4.7	40	5.8	16.2	26	85.3
2	2.4	777	1.12	0.32	8.3	0.293	0.69	1.5	136	10.9	17	57	16.5
2	2	996	1.35	0.61	6.9	0.241	0.5	1.3	106	3.9	16.8	35	10.7
2	1.4	276	0.54	19.85	3.1	0.093	0.25	0.7	43	7.2	4.9	18	5.6
2	2.2	826	1.17	1.48	5.8	0.241	0.56	1.1	108	5.7	12.6	33	11.2
2	0.6	114.5	0.24	21.3	0.9	0.042	0.14	0.4	21	5.5	3.4	21	2.3
2	2.8	617	1.54	3.66	12.6	0.237	0.64	0.9	115	21.9	12.9	33	9.6
2	0.2	28.8	0.05	24.5	0.2	0.011	0.04	0.2	11	2.3	1.8	14	1.3
2	1.7	259	0.92	0.53	21.5	0.156	1.21	6.9	21	3	17.5	40	116
<1	0.5	7.4	0.18	102.5	<0.2	<0.005	0.03	0.5	11	4.7	1.1	18	1.1
2	2.5	666	1.18	0.86	8.6	0.254	0.54	1.1	111	11	18.8	69	12
3	0.5	49	0.15	15.05	0.5	0.019	0.09	0.4	15	5.4	2.3	14	4.3
2	1.6	298	0.93	0.89	17.2	0.141	0.86	4.2	18	3.9	14.9	31	105.5
3	0.9	84.3	0.32	3.77	0.9	0.041	0.21	0.6	29	3.5	3.6	19	4.8
2	1.9	330	1.07	0.94	15.3	0.2	1.05	4.9	116	7.1	27.1	85	82.3
2	1.9	814	1.36	0.5	5.2	0.194	0.49	1.2	84	5.4	16.2	45	15.4
2	0.9	121	0.25	12.15	1.1	0.045	0.13	0.3	21	4.2	3.4	11	3.6
2	2	290	1.09	0.22	17.3	0.157	0.88	5	32	5.9	19.4	34	98.8
2	2.7	982	1.33	0.39	4.4	0.231	0.5	1	104	7.1	18.2	49	12.6
2	0.2	8.9	<0.05	67.6	<0.2	<0.005	<0.02	0.3	5	1	0.7	3	1
2	1.8	402	0.92	0.32	16.5	0.139	0.88	4.3	18	2.8	15.8	31	101
2	2.2	476	1.17	1.72	9	0.206	0.9	2.4	81	8.4	17.5	43	44.5
2	1.9	392	0.92	0.91	14.8	0.156	0.83	3.2	43	4.8	14.9	26	86
2	2.3	778	0.76	<0.05	4.8	0.274	0.52	1	122	4.8	15.2	48	13.4
2	0.6	121.5	0.2	9.9	2.2	0.038	0.37	1	27	1.9	7.1	35	11.1
2	1.8	307	0.75	7.3	14.3	0.127	0.41	4.3	32	2.5	16.9	75	84.6
3	0.6	47.3	0.05	9.92	0.7	0.022	0.09	0.3	15	1.5	3.1	20	2.2
2	3.6	348	1.12	2.22	8.4	0.283	0.77	1.5	90	15.5	14.3	38	25.1
2	0.9	58.6	0.1	7.16	1	0.03	0.21	0.3	18	2.3	2.7	47	2.9
2	0.6	18.5	<0.05	95.8	0.2	0.008	0.05	0.6	8	7.3	1	105	1.5
2	0.7	26.4	0.1	44.5	0.9	0.025	0.08	1.2	12	12.4	2.2	15	3.5
3	1.4	82.8	0.09	7.07	0.7	0.056	0.12	0.2	23	39.8	3.5	18	3.4
2	0.4	54.6	<0.05	2.46	0.4	0.025	0.04	0.1	12	2.4	1.5	10	1.7
2	0.3	26.2	<0.05	0.94	0.3	0.014	0.06	0.1	11	156	1.3	37	1.8
2	0.5	43.7	0.07	6.41	0.5	0.029	0.08	0.2	19	1.7	1.9	17	2.7
4	0.6	19.5	<0.05	2.51	0.2	0.018	0.03	0.1	11	2.4	1.6	8	1.2
5	2.7	198.5	0.17	4.56	1.6	0.129	0.24	0.5	62	5.3	6.8	22	6.4
2	2	333	0.75	0.07	4.8	0.353	0.34	1.4	168	15.9	15.5	74	22.1
4	6.4	290	0.47	0.22	5.7	0.389	0.46	1.5	206	22	42.3	4370	16.1
3	1.1	513	0.73	0.09	3.7	0.143	0.43	1.7	54	3.5	10.8	36	35.9
2	1.2	141	0.1	12.55	1.7	0.068	0.11	0.3	34	1.3	4.1	13	3.4
2	0.4	286	0.56	0.11	2	0.033	0.4	0.7	13	0.6	4.8	9	32.4
2	2.4	800	0.46	0.27	5.2	0.393	0.52	1.3	182	3.1	18.2	80	16.9
2	0.2	46.7	<0.05	0.06	0.7	0.012	0.03	0.1	9	1.1	1.8	4	1.7
2	0.4	31.1	0.05	3.11	0.5	0.017	0.06	0.2	14	1	1.7	7	2.6
2	<0.2	10.4	<0.05	17.4	<0.2	<0.005	0.04	0.3	10	0.7	2.4	15	1.7
2	2.3	482	1.12	0.24	6.5	0.249	0.72	1.8	115	9	25.5	93	12.2
2	1.9	394	0.87	0.28	14.7	0.21	0.8	3.9	65	4.4	19.1	45	67.9
2	0.5	37	0.11	5.05	0.9	0.035	0.07	0.8	46	2.4	7.5	58	6.1
2	2	238	1.06	0.07	15.5	0.198	1.12	3.8	51	4.8	16.7	40	77.8
2	2.4	383	0.98	0.17	7.8	0.264	0.59	1.4	114	6.5	16.4	97	9.8
2	3.4	176	1.14	0.1	11.1	0.495	0.27	2	186	20.7	15.3	236	17.1
2	1.7	560	0.71	0.08	4.4	0.234	0.48	1.4	107	6.5	17.4	85	12.3
2	2.2	435	0.51	36.7	5.1	0.155	0.48	1.3	65	14.4	9.4	229	6.8
2	1.6	189.5	0.29	11.75	3.8	0.1	0.38	0.8	40	4.3	5	55	7.4
2	0.5	42.7	0.09	52	1.1	0.025	0.11	0.9	24	1.7	4.5	93	6
2	0.2	7.6	<0.05	14.3	0.2	0.006	<0.02	0.2	8	0.3	2.2	11	1.2

2	0.3	30.4	<0.05	5.12	<0.2	0.008	<0.02	0.1	7	2.1	1.2	13	0.9
2	0.4	35.9	<0.05	8.15	0.3	0.015	0.03	0.2	10	4.5	1.3	8	1.6
2	1.3	161	0.13	4.64	1	0.074	0.12	0.4	37	1.9	3	19	4.3
2	1.2	353	0.91	0.08	7.5	0.137	0.56	3.5	57	2.1	16.4	50	38.6
2	1.4	295	0.96	0.06	8.3	0.124	1.13	3.7	47	2	14.9	37	41.5
2	0.7	122	0.21	0.09	2.1	0.086	0.18	0.5	22	0.8	4.2	10	6.5
2	0.2	10	<0.05	18.25	<0.2	<0.005	0.02	0.4	11	0.6	3.5	27	1.3
3	0.6	129	0.51	0.07	4.2	0.027	0.58	3	7	1	8	15	24.2
2	3.3	447	0.63	0.35	5.8	0.392	0.57	1.4	146	10.9	17.1	38	15.6
2	1.5	300	0.11	10.4	1.6	0.094	0.25	0.4	33	1.5	4.6	19	4.3
2	0.3	95.8	<0.05	0.19	0.9	0.028	0.06	0.3	20	1.1	3.1	17	3.8
2	0.5	54.9	<0.05	32.9	0.4	0.022	0.09	0.2	14	2.3	1.4	11	1.7
2	<0.2	9.2	<0.05	10.65	<0.2	<0.005	<0.02	0.1	5	0.1	0.6	4	0.6
2	0.7	125	0.05	14.45	0.6	0.034	0.11	0.2	21	2	2.9	11	2.5
3	1	174	0.05	5.44	0.6	0.047	0.19	0.3	20	1.6	2.4	8	2.4
2	0.2	16	<0.05	18.8	<0.2	0.006	<0.02	0.1	7	0.8	1	5	1.4
3	0.5	70.9	<0.05	17.7	0.4	0.024	0.06	0.1	17	2.8	1.9	54	1.9
2	1.2	181.5	0.13	0.97	3	0.057	0.22	1.1	25	9	5.1	17	3
2	0.2	34.8	<0.05	7.31	0.2	0.008	0.02	0.9	9	1.6	2.5	18	1.5
2	0.4	42.5	<0.05	6.79	0.3	0.015	0.1	2.9	26	2.4	9	41	2.9
2	0.4	98.4	<0.05	5.81	0.6	0.021	0.11	3.3	34	2.3	10.3	49	5.8
2	0.8	175	0.11	4.16	1	0.051	0.17	1.8	43	5.1	10.2	50	7.5
2	0.3	30.3	<0.05	7.56	0.3	0.015	0.07	1.1	31	1.7	8	41	2.9
2	0.7	159	0.06	16.45	0.7	0.035	0.11	0.7	20	9.9	3.5	14	3.5
2	0.4	38.5	<0.05	4.41	0.2	0.017	0.05	0.2	18	18.3	2.1	25	1.8
2	1.6	251	0.24	14.15	1.7	0.098	0.43	1	54	28.7	8.1	26	5.6
2	0.6	217	0.06	7.18	0.7	0.036	0.11	0.9	27	6.6	5.8	23	2.7
2	0.8	141	0.08	4.39	0.6	0.048	0.14	0.3	33	43.1	4.6	22	3.3
2	1	464	0.31	0.11	2.4	0.215	0.21	2.4	90	1.2	16	49	12.6
2	0.3	48.6	<0.05	1.99	<0.2	0.015	0.05	0.1	15	72.9	1.6	8	1
2	1.7	465	0.69	0.14	5.2	0.247	0.71	1.5	111	1.8	18.4	82	11.3
2	3.1	249	1.13	0.1	11.1	0.546	0.47	4.8	286	6	36.9	138	21.9
2	0.9	654	0.69	0.05	4.3	0.534	0.46	1.5	200	1	21.7	72	97
2	2.7	484	0.47	0.92	4.5	0.19	0.45	1.4	79	6.7	12.9	64	10.4
2	2.3	425	0.18	11.7	1.5	0.105	0.31	1.1	52	10.7	9.5	44	6.4
2	2	886	0.24	0.45	2.6	0.172	0.39	1.5	86	6.7	11.4	52	9.5
2	1.9	631	0.28	2.3	1.8	0.128	0.23	2.1	75	8.2	12.1	47	7
2	2.8	667	0.51	0.09	3.7	0.24	0.45	1.3	119	8.3	16	61	11.7
2	1.5	801	0.34	0.1	2.8	0.196	0.44	0.8	92	3	16.5	75	8.9
2	3.7	582	0.2	4.28	1.4	0.107	0.15	0.9	51	5.2	9.7	32	5.6
2	1.4	513	0.12	6.35	0.8	0.063	0.13	1.4	44	3.9	8.8	29	4.3
2	2.3	75.1	<0.05	71.1	0.7	0.045	0.02	0.2	23	10.7	2	5	2
2	0.3	27.8	<0.05	15.3	0.2	0.008	0.02	0.1	12	2.9	1.2	13	1.1
2	0.2	25.5	<0.05	28.6	<0.2	<0.005	<0.02	0.1	7	0.3	0.8	2	0.7
2	<0.2	4.9	<0.05	20.7	<0.2	<0.005	<0.02	0.3	9	0.4	1.3	11	0.7
2	<0.2	4.2	<0.05	18.9	<0.2	<0.005	<0.02	0.2	5	0.9	0.9	9	0.7
1	1.3	43.7	0.1	133.5	0.7	0.021	0.06	0.5	19	1.8	1.7	6	2.5
1	1.4	8	<0.05	154.5	<0.2	<0.005	<0.02	0.7	20	0.6	1.4	7	0.9
2	0.6	50.1	0.17	93	1	0.034	0.15	0.4	40	5.4	2.3	10	9.4
2	0.4	33.2	0.09	14.75	0.9	0.019	0.08	0.4	13	2.6	2.2	9	4.7
2	0.2	18.8	0.05	30.6	0.3	0.01	0.04	0.3	14	1.3	2.7	30	1.7