



**WARRIOR GOLD**  
EXPERIENCE • EXPLORATION • RESULTS

**NI 43-101**  
INDEPENDENT TECHNICAL REPORT  
ON THE  
KIRKLAND LAKE PROPERTIES  
FOR  
WARRIOR GOLD INC.

Kirkland Lake, Ontario

48.20°N, -80.00°W

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## **1.0 SUMMARY**

This technical report, entitled “NI 43-101 Independent Technical Report on the Kirkland Lake Properties for Warrior Gold Corp., Kirkland Lake, Ontario” (this “Report”) was prepared by Michael Kilbourne, P.Geo. (the “Author”) at the request of Warrior Gold Corp. (“Warrior Gold” or the “Company”). Warrior Gold is a public company that trades on the Toronto Venture Stock Exchange under the symbol TSXV:WAR. Warrior Gold is the result of mergers and amalgamations from former companies and subsidiaries War Eagle Resources and Champagne Resources. This Report is specific to the standards dictated by National Instrument 43-101 *Standards of Disclosure for Mineral Projects* (“NI 43-101”) in respect to Warrior Gold’s Kirkland Lake Properties consisting of the Goodfish-Kirana Property (the “GK”), the Kirkland Lake West Property (the “KL West”) and the Kirkland Lake Central Property (the “KL Central”), collectively known as the “Properties”. The Properties or assembled land package covers an area of approximately 20,640 hectares located north of Kirkland Lake, Ontario. This Report reviews the exploration success Warrior Gold has completed to date, assesses the technical merit and economic potential of the project area and recommends additional exploration.

### ***Property Description, Location and Access***

The Properties are located north and northeast of Kirkland Lake, Ontario and consist of three (3) main claim groups namely the Goodfish-Kirana, KL West and KL Central properties. The nearest town is Kirkland Lake with a current approximate population of 8,000 inhabitants which is located along Provincial Highway 66. The overall Properties cover an area of approximately 20,640 hectares. Properties are accessible by three major Provincial Highways of 11, 66 and 672. Numerous all-season roads, logging roads and ATV trails provide good access to internal parts of each property.

### ***Ownership***

Warrior Gold has assembled a large land package and has gained 100% interest in the Goodfish-Kirana claim block subject to underlying royalties. Warrior Gold has the right to gain 100% of the KL West and KL Central blocks pursuant to a 3-year option agreement and has gained 100% interest in the Arnold claim group, now part of the KL Central block subject to an underlying royalty.

### *History of Exploration*

Gold was first discovered in the Kirkland Lake camp in 1906 and since that time the prolific camp has produced 25 million ounces of gold. The Properties have undergone various degrees of exploration. The Goodfish-Kirana claim block has seen the most advanced exploration with several old shafts and underground workings scattered around the property. Much of the historical exploration has focused around these old workings. The KL West and KL Central properties have recorded a variety of exploration efforts over the last 100 years typical of ground that surrounds a prolific gold camp. Prospecting, trenching, geophysical surveys of both air and ground, soil sampling and drilling have been sporadically performed on these properties over the last century.

### *Geology and Mineralization*

The Properties are hosted within the Blake River Group (BRG) of the Abitibi Subprovince. The Blake River Group is the youngest and richest volcanic sequence of the Abitibi greenstone belt (AGB), the largest greenstone belt in the world (lozenge shape 310 km × 720 km). The AGB is known for its unique endowment in VMS deposits, Ni- Cu-PGE magmatic deposits, and orogenic gold deposits.

The BRG consists of a number of submarine volcanic and volcanoclastic sequences. The volcanic rocks are predominantly bimodal in composition (basalt – basaltic andesite – andesite versus rhyodacite – rhyolite). Some volcanoclastic units are pyroclastic in origin but most result from flow fragmentation with varying importance of transport processes.

The BRG is also locally discordantly overlain by the polymictic conglomerates and alkalic volcanic rocks of the Timiskaming Group (~2680 to 2669 Ma.), and by the Proterozoic conglomerates of the Cobalt Group. Some Archean synvolcanic (gabbro, diorite, tonalite) and syntectonic intrusions (syenite, diorite, granodiorite, granite), and Proterozoic gabbro dykes (diabase) cut the Blake River Group volcanic rocks.

The BRG is bounded by two major fault zones: the Porcupine-Destor fault to the north and the Cadillac-Larder Lake fault zone to the south. The Kirkland Lake area is one of the most prolific mining districts in Ontario. The district is characterized by the occurrence of structurally controlled gold deposits. The primary structure hosting gold is known as the 'Main Break' (or the Kirkland Lake Fault), which represents a second order splay of the Cadillac-Larder Lake deformation zone (CLLdz). The CLLdz is a crustal-scale structure that extends for 100s of km along strike from Matachewan, Ontario to Val d'Or, Quebec and is associated with numerous gold deposits along its length. Most commonly, gold deposits do not occur within the CLLdz, but are hosted by second- to third-order, brittle-ductile deformation zones within 2-10 kilometers from the CLLdz. The Goodfish-

Kirana Property lies 5 km north of the CLLdz and the KL Central hosts the extension of the Kirkland Lake Fault.

The mineralization on the Goodfish-Kirana block is underpinned by shear-hosted gold mineralization at the A-Zone. Warrior Gold's drilling efforts have outlined the A-Zone 650 m along strike and to depth of 350 m vertically. The zone is 2-15 wide and hosted at the contact between Mg and Fe-tholeiites in a sheared and highly strained interflow breccia. Silicification, sericitization, carbonatization, blue-grey quartz veins and 1-5% fine pyrite are typical characteristics of the A-Zone. Subsidiary gold mineralization in the footwall and narrow high grade gold mineralization has been found in the hangingwall.

Mineralization at the KL West and KL Central properties is typical of orogenic gold deposits hosted by quartz-carbonate veins, shear-hosted quartz veins, syenitic intrusive rocks and interflow chert horizons.

### *Deposit Types*

The structural and geological architecture of the BRG is conducive to a variety of gold depositional environments similar in nature and significance to other gold-bearing deposits in Archean-aged greenstone belts hosted within the Abitibi Subprovince. These typically fall into the category of orogenic gold deposit types in brittle-ductile structurally related regimes similar to the Kirkland Lake Gold Camp and Timmins Gold Camp.

Bleeker (2015) summarized the orogenic lode gold deposits as: "Structurally controlled "lode gold" systems within or in proximity to major fault zones (colloquially known as "breaks") represent a dominant deposit type in Canada, particularly in the Archean cratons of the Canadian Shield. There are critical characteristics of these deposits, specifically their relationship to the major faults and the complicated kinematic history of these faults, and to the panels of synorogenic clastic ( $\pm$ volcanic) rocks that occur along these faults. The synthesis that emerges is mainly based on the Timmins area, Canada's most prolific gold camp, but critical elements apply equally to and have been ground-truthed in other gold camps, i.e., Kirkland Lake, the Abitibi more generally, the Rice Lake belt, Yellowknife, and the Agnew camp of the Yilgarn craton. In all of these areas, the key faults cut early fold-and-thrust structures and were likely initiated as crustal-scale, synorogenic extensional faults in association with a flare-up in synorogenic, typically more alkaline magmatism".

The Young-Davidson deposit, also in the Abitibi greenstone belt and proximal to the CLLdz can be classified as an Archean, syenite-hosted gold deposit. The gold mineralization is primarily related to quartz veinlet stockworks and disseminated pyrite

mineralization, mostly enclosed within the syenite intrusion boundaries, or very close to the contacts with the enclosing rocks and is frequently associated with broader zones of potassic alteration.

Iron formations occur on the KL West claim group. Gold deposits in banded iron formations (BIFs) contain 0.1 to 100 million tonnes of ore grading between 4 and 30 grams per tonne. The Homestake mine, a world-class example of this deposit type has produced over 40 million ounces of gold from at an average grade of 6.8 g/t Au since operations began in 1876. The Geraldton gold camp, Pickle Lake gold camp and the Musselwhite gold mine are all prime Archean-aged BIF-hosted gold deposits of Ontario greenstone belts. BIF-hosted gold deposits are formed by the reaction of auriferous and sulphur-bearing hydrothermal fluids with the iron oxide in country rocks, causing precipitation of gold and sulphides through replacement of magnetite. BIF-hosted gold is restricted to late structures (quartz veins and/or shear zones) and/or sheared sulfide BIF immediately adjacent to such structures.

Orogenic gold deposits, and more particular structurally controlled gold deposits, should be the focus of future exploration activities on the Properties.

### ***Exploration by Warrior Gold***

Exploration work by Warrior Gold has been focused on the Goodfish-Kirana property. The KL West and KL Central properties were acquired in the summer of 2021. Between the years 2011 through 2014, Champagne Resources (now Warrior Gold) consolidated the Goodfish-Kirana Property from several vendors. Since 2014, Champagne has undertaken a number of initiatives to make use of historical information to generate a consolidated and systematic overview of the Property which would aid in focusing exploration efforts to areas of the high merit including the Kirana Break area and gold mineralization at the A and C Zones.

Compilation and exploration programs on the Goodfish-Kirana block have included:

- 1) 2012: GeoVector completed compilation of historical work.
- 2) 2012: GeoVector reprocessed geophysical data.
- 3) 2015: Orix Geoscience Inc. used the GeoVector-generated database and additional information to produce two- and three-dimensional interpretations of various drill hole-supported mineralized zones.
- 4) 2015: Property-wide LiDAR survey was flown.
- 5) 2016: Relogging and resampling of historical core.
- 6) 2018: Terraquest completed 941.5 line-km of airborne magnetometer and VLF-EM.
- 7) 2018: CXS completed ground IP (6.7 km), magnetometer and VLF survey (45.3 km).

- 8) 2018: CXS completed 3D distributed IP survey (3.45 km) over the Deloye historical shaft area.
- 9) 2016 and 2019: Prospecting program conducted by Bjorkman Prospecting.
- 10) 2016 to 2021: Drill programs totaling 63 diamond drill holes and 14,290 metres.
- 11) 2021: Prospecting and mapping.

Drilling highlights include:

#### *A-Zone*

- GK19-008 reported **9.04 g/t Au over 5.37 m** starting at 65.24 m downhole.
- GK21-045 reported **3.74 g/t Au over 6.8 m** starting at 184 m downhole.
- GK21-049 intersected **2.93 g/t Au over 7.78 m** starting at 375.95 m downhole.

#### *A-Zone FW*

- GK19-018 reported **11.52 g/t Au over 3.00 m** starting at 23.50 m downhole.
- GK21-036 reported **3.85 g/t Au over 3.80 m** starting at 128.20 m downhole.

#### *A-Zone NS-FW*

- GK20-028 reported **1.22 g/t Au over 74.00 m** starting at 87.00 m downhole.

#### *A-Zone HW*

- GK21-049 reported **155.00 g/t Au over 0.75 m** starting at 319 m downhole.
- GK21-050 intersected **72.10 g/t Au over 0.50 m** starting at 419.27 m downhole. The other half of the core assayed **561 g/t Au over 0.50m**. This intersection encountered visible gold.

#### *C-Zone*

- GK19-003 reported **21.33 g/t Au over 2.45 m** starting at 137.00 m downhole.
- GK21-041 reported **6.68 g/t Au over 3.00 m** starting at 64.00 m downhole.

#### *Interpretation and Conclusions*

The former and historic mines of the Kirkland camp are structurally controlled, orogenic gold deposits which are hosted and associated with second- to third-order structures from the crustal scale Cadillac-Larder Lake deformation zone.

Recent studies and mapping in the Kirkland area suggests that several second- to third order structures occur north of the CLLdz for 2-10 km and are responsible for providing pathways for gold-bearing hydrothermal fluids for many of the former gold mines,

deposits and occurrences. The Kirana deformation zone is considered a second- to third-order structure.

North of the Kirana deformation zone is the A-Zone, a shear-hosted gold-bearing structure on which Warrior Gold has completed 45 diamond drill holes in 11,293 m. The zone now extends 650 m in strike length and 350 m vertically. Gold mineralization is also located in the footwall and hanging wall of the A-Zone, making this structure an important focus for future delineation. Other notable gold occurrences are contained within the B-Zone and C-Zone and probably represent parallel additional shear zones related to the Kirana deformation zone. These zones also remain targets of high merit for future exploration and drilling efforts.

The KL West claim block lies within a diverse lithological framework within the Lower and Upper Blake River assemblages. It is also very structurally dynamic hosting abundant anti- and syn-formal features that are the focus of shear and deformation zones. The KL West property has multiple occurrences of gold in an orogenic deposit style. Gold is associated with calc-alkalic felsic intrusive rocks (syenite) which is host to gold mineralization at the Macassa gold mine and the Young-Davidson gold mine in Matachewan. Gold also occurs in shear-hosted quartz vein systems. Prolonged systematic exploration efforts haven't occurred since the late 1990s. The KL West claim block holds potential for additional discoveries of gold.

The KL Central claim block hosts the extension of the Main Break, or Kirkland Lake Fault that hosts many of the former gold mines and is host to important gold mineralization at the producing Macassa mine. Several important second- to third-order structures are also present on the property, namely the Misema Lake-Mist Lake fault and Mulven Lake fault which occupy limbs of anti- and syn-formal structures. The Victoria Creek Deposit lies just 250 m south of the southern border of the KL Central claim block. Very little systematic exploration, especially drilling, has been performed on these claims. Overburden cover is extensive on the property which may have deterred previous exploration efforts, but in the opinion of the Author, provides opportunity to discover blind gold mineralization.

It is of the Author's opinion that Warrior Gold should continue exploration work on the Properties as the styles of gold mineralization currently identified and the overall geological environment are very favourable for potential success.

### *Recommendations*

Based on the success of Warrior Gold's drilling efforts at the A-Zone on the Goodfish-Kirana claim block to date, additional drilling is warranted and recommended to further delineate the gold-bearing shear zone. Downhole scanning and structural analysis is being used to plan drill targets and decipher the nature of the gold mineralization intersected in the footwall and the high-grade gold mineralization intersected in the hangingwall at the western end of the A-Zone. Additional targets within areas of structural and lithological complexity on the Goodfish-Kirana claim block should be drilled. A drill program planned with these objectives would require about 5,000 metres. Using an all-in cost of \$225 per metre (cost for last program), the estimated budget would be **\$1,125,000**.

The KL West and KL Central claim blocks are underexplored properties within an Archean greenstone hosted property that has proven to yield gold mineralization. Modern exploration and geological modeling techniques and guidance from known gold deposits in the Blake River Group, the Kirkland Lake gold camp and the Noranda district should be applied methodically to these claim groups to identify areas of potential gold mineralization.

Compilation of all historical geological, geochemical, and geophysical data into GIS referenced layers is required for methodical exploration going forward. Historical drilling needs to be compiled and verified into a database so that a three-dimensional (3D) integration of drilling, surface sampling, trenching and geophysical surveys can be modelled. Warrior Gold will conduct a heliborne magnetic, VLF, radiometric and Lidar survey, and then an experienced structural geologist will integrate the survey data with the mineralization and geology to focus exploration efforts to those areas of high merit. During the summer, ground-truthing through prospecting, mapping, and trenching of favourable target areas would further focus follow-up soil sampling and/or ground geophysical surveys. An estimated budget for the data compilation, interpretation and ground-truthing programs on the KLW and KLC claim blocks is **\$581,460** (Table 1.1).

**Table 1.1** *Estimated budget for 2022 exploration on the KL West and KL Central claim blocks.*

<b>KL West and KL Central 2022 Exploration Budget</b>				
<b>Exploration Item</b>	<b>Units</b>	<b>Unit Amount</b>	<b>Unit Cost</b>	<b>Item Cost</b>
Goldspot Discoveries heliborne Lidar, VLF, radiometric and magnetic survey	1	1	\$350,000	\$350,000
Logistics for above survey	1	1	\$15,000	\$15,000
2D and 3D GIS compilation	1	1	\$25,000	\$25,000
Strucutral-Geological Interpretation	1	1	\$15,000	\$15,000
Mapping, sampling, ground truthing (2 geologists and two technicians )	days	30	\$2,000	\$60,000
Senior Geologist, supervision, all-in	days	10	\$1,000	\$10,000
Room and Board (for 4)	days	30	\$620	\$18,600
Analyses (250 samples)	samples	250	\$60	\$15,000
Rentals (truck and atv)	days	30	\$500	\$15,000
Report	1	1	\$5,000	\$5,000
Sub-total				\$528,600
10% Contingency				\$52,860
<b>Total</b>				<b>\$581,460</b>

Subsequent exploration beyond 2022 will depend upon the success and results of the above exploration programs.

The author, Michael Kilbourne P.Geo., is a Qualified Person as defined by Section 1.5 of NI 43-101 by reason of education, affiliation with a professional association and past relevant work experience.

## **2.0 INTRODUCTION**

At the request of Warrior Gold Corp., a publicly traded under the Toronto Venture Stock Exchange (TSXV:WAR), Michael Kilbourne, P.Geol. has completed an independent report on the Company's Kirkland Lake Properties.

This report is an Independent Technical Report prepared to Canadian Administrator's National Instrument 43-101, Standards of Disclosure for Mineral Projects (NI 43-101) and form 43-101F (CSA 2016). This Report reviews the exploration activities Warrior Gold has completed to date, assesses the technical merit of the project area and recommends additional exploration.

This report has principally been prepared by Michael Kilbourne, P.Geol., (PGO #1591, OGQ #1971, NAPEG #L4959) who has over 40 years in the exploration and mining industry with much of that experience in gold exploration and mining in greenstone belts of the Canadian Shield similar to the Kirkland greenstone belt in the Abitibi Terrane. The Author supervised the fall 2021 drill program which was completed between October 13 and November 17, 2021.

Michael Kilbourne, P.Geol. is engaged as a consulting geologist by Warrior Gold. At the time of writing this report the Author has no interest in Warrior Gold. The views expressed herein are genuinely held and considered independent of the Warrior Gold.

The report is based on the author's knowledge of greenstone belt-hosted gold deposits, their mineralization, alteration and structural environments, observations of bedrock exposures, drill core and former underground and open pit experience at the Pamour Gold Mine in Timmins, Ontario from 1991-1996.

This report was based on information known to the Author as of April 15, 2022.

### **2.1 UNITS OF MEASURE, ABBREVIATIONS AND NOMENCLATURE**

The units of measure presented in this Report, unless otherwise denoted, are in the metric system. A list of the main abbreviations and terms used throughout the Report are presented in Table 2.1.

**Table 2.1** *List of Abbreviations*

<b>Abbreviations</b>	<b>Full Description</b>
AFRI	Assesment File Research Image
Ag	silver
As	arsenic
ATV	all terrain vehicle
Au	gold
Bi	bismuth
BIF	banded iron formation
C	celsius
cm	centimetre
Cu	copper
DFO	Department of Fisheries
EM	electromagnetic
Fe	iron
Ga	billions of years
Gn	galena
GPS	global positioning system
gpt	grams per tonne
GSC	Geological Survey of Canada
Hz	hertz
km	kilometre
LRIA	Lakes and Rivers Improvement Act
m	metre
Ma	millions of years
MDI	Mineral Deposit Inventory
MLAS	Mining Lands Administration Inventory
MENDM	Ministry of Energy, Northern Development and Mines
MNR	Ministry of Natural Resources
Mt	millions of tonnes
NAD83	North American Datum of 1983
NSR	net smelter return
OGS	Ontario Geological Survey
Pb	lead
PGO	Professional Geoscientists of Ontario
PLA	Public Lands Act
QA/QC	Quality Assurance/Quality Control
UTM	Universal Transverse Mercator coordinate system
VLF	very low frequency
VMS	volcanogenic massive sulphides
VTEM	Versatile Time Domain Electromagnetic

### **3.0 RELIANCE ON OTHER EXPERTS**

This report is an Independent Technical Report prepared to Canadian Administrator's National Instrument 43-101, Standards of Disclosure for Mineral Projects (NI 43-101) and form 43-101F (CSA 2016). This Report reviews the exploration activities Warrior Gold has completed to date, assesses the technical merit of the project area and recommends additional exploration.

Claim status was supplied by the Issuer. The Author has verified the status of the original claims using the Ontario government's online claim management system via the MLAS website at: <https://www.mlas.mndm.gov.on.ca>. The Author has not verified the status of the claims pertaining to the government's transition of legacy claims to the new cell-based system adopted April 10, 2018. The Author has not verified all boundary claims associated with this transition and is not qualified to express any legal opinion with respect to the government of Ontario boundary claim allocations.

Patent and claim status were supplied by Tania Poehlman, land manager agent for Warrior Gold.

The author relied on reports and opinions as follows for information that is not within the authors' fields of expertise:

- Information about the registered owner of the various mining titles (Section 4.2) was supplied by Daniele Spethmann, CEO of Warrior Gold in an email dated January 19, 2022. The author is not qualified to express any legal opinion with respect to the property titles and possible litigation.
- Information regarding the option agreements between Jon Camilleri (KLW and KLC properties) and Warrior Gold Corp. was supplied by Daniele Spethmann, CEO of Warrior Gold in an email dated February 14, 2022. The Author is not qualified to express any legal opinion with regards to purchase agreements, satisfaction of terms and possible litigation.
- Information regarding the option agreements and underlying agreements on the Goodfish-Kirana Property was extracted from a 43-101 Technical Report written by Setterfield, 2018. The Author is not qualified to express any legal opinion with respect to purchase agreements, satisfaction of terms and possible litigation.

## 4.0 PROPERTY DESCRIPTION and LOCATION

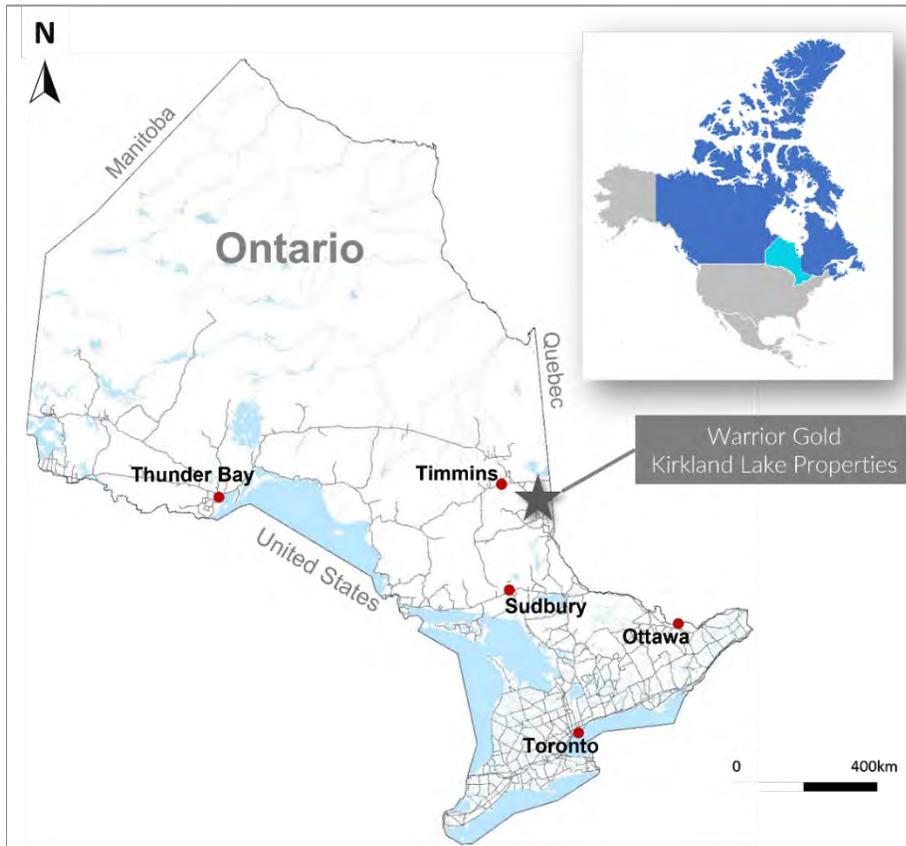
### 4.1 LOCATION

The Properties are located north and northeast of Kirkland Lake, Ontario (Figure 4.1) and consist of three (3) main claim groups or blocks namely the Goodfish-Kirana, KL West and KL Central properties. The nearest town is Kirkland Lake on Provincial Highway 66 (5 km to the south of the southern boundary of the GK Property) with a current approximate population of 8,000 inhabitants. The properties cover a combined region of 20,640 hectares Property with the coordinates included in Table 4.1.

**Table 4.1** *Coordinate locations of the individual claim blocks.*

<b>Warrior Gold Kirkland Lake Properties</b>							
<b>Property</b>	<b>Townships</b>	<b>NTS Sheet</b>	<b>UTM E Centre</b>	<b>UTM N Centre</b>	<b>Decimal Degrees N</b>	<b>Decimal Degrees W</b>	<b>Hectares</b>
<b>Goodfish-Kirana</b>	Morrisette, Bernhardt, Teck, Lebel	32D/04, 42A/01	573918	5399052	48.20	-80.00	4,316
<b>KL West</b>	Bernhardt, Morrisette, Melba, Barnet, Maisonville, Bisley	42A/08, 42A/01	568772	5345932	48.26	-80.07	12,757
<b>KL Central</b>	Arnold	32D/04, 32D/05	585454	5340097	48.21	-79.85	3,567
UTM NAD83 Zone 17U							20,640

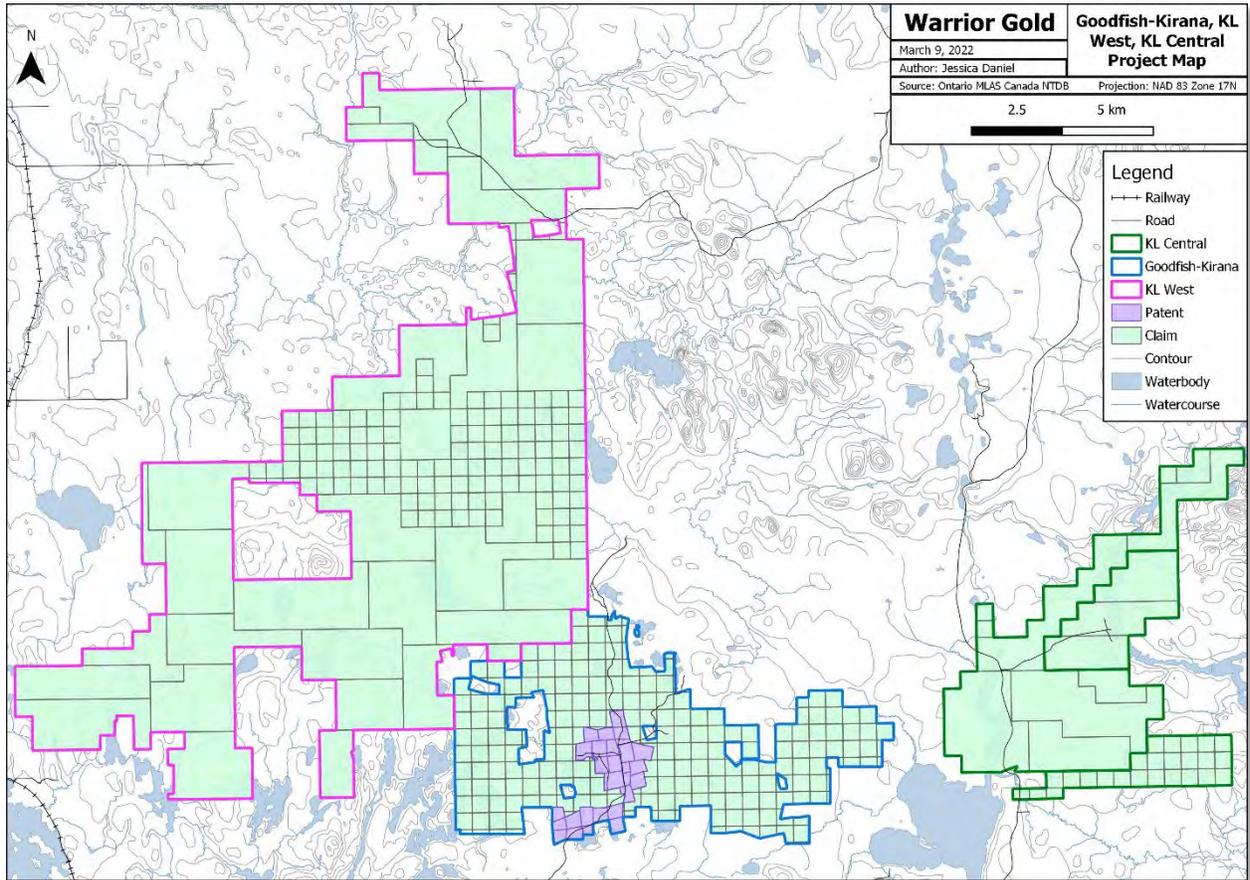
**Figure 4.1** Location map of the Kirkland Lake properties.



#### **4.2 MINING TENURE AND OWNERSHIP**

Warrior Gold has assembled a large land package in the Kirkland Lake area. Each property is described separately due to different ownership supports and tenures. Figure 4.2 provides a claim fabric overview of the properties in relation to each other.

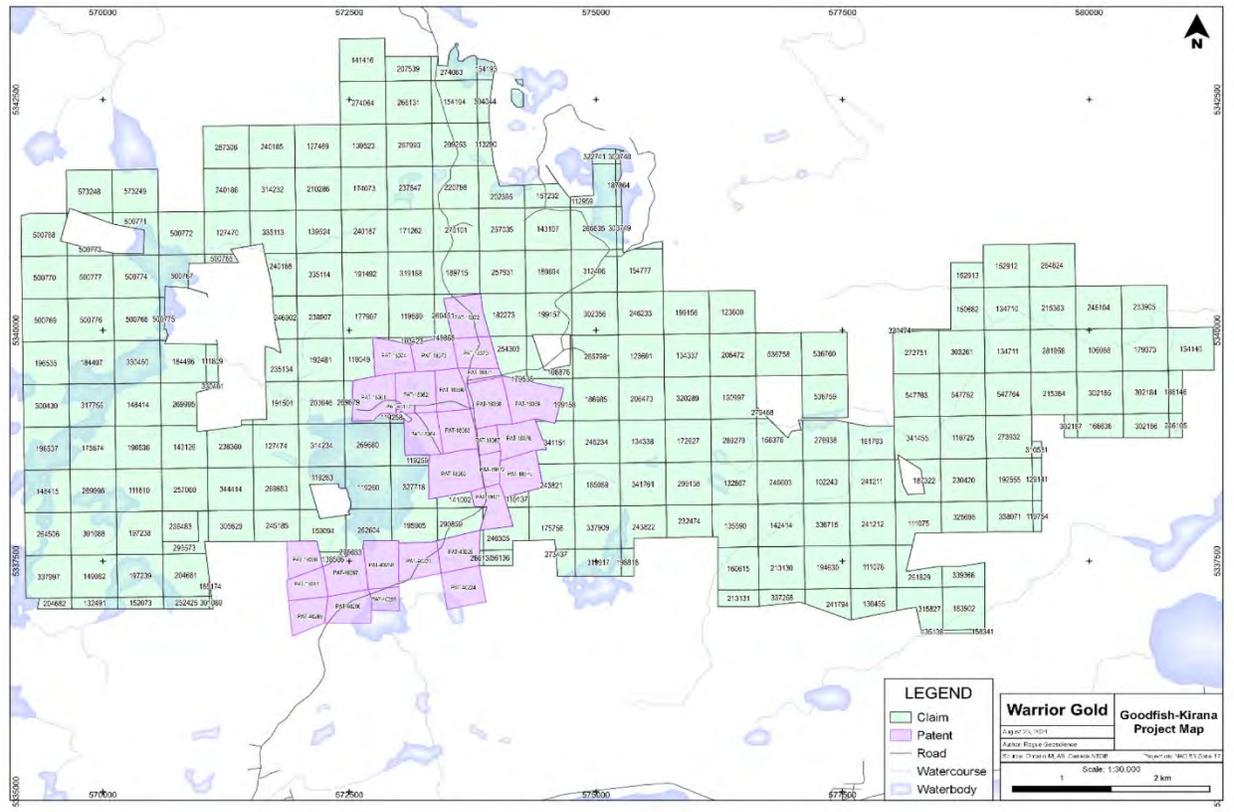
**Figure 4.2** *Warrior Gold’s property claim fabrics and locations as of March 9, 2022.*



**4.2.1 Goodfish-Kirana Mining Tenure and Ownership**

Warrior Gold has a 100% interest in the Goodfish-Kirana(GK) property which consists of 183 single mining cells, 50 boundary cells and 29 patented claims. The property covers an area of approximately 4,316 hectares. Both mining claims and patents are 100% registered to Champagne Resources Ltd. former founding company and current subsidiary of Warrior Gold Inc. Figure 4.3 displays the claim fabric of the GK Property and Appendix I lists the mining tenure information on claims and patents of the Goodfish-Kirana Block.

**Figure 4.3** Claim fabric of the Goodfish-Kirana Property.

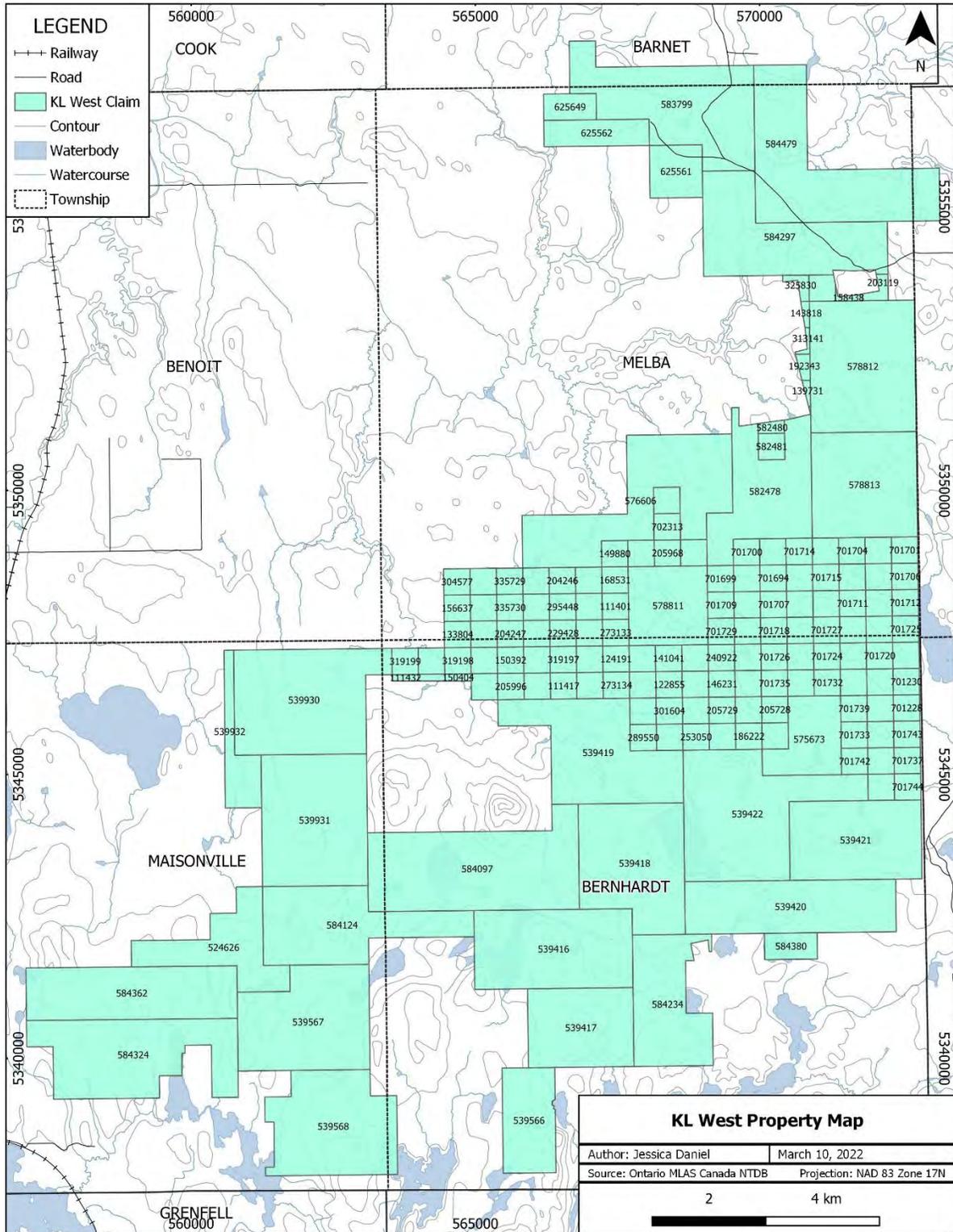


**4.2.2 KL West Mining Tenure and Ownership**

The KL West Property consists of 163 mining claims comprised of 128 single mining cells, 3 boundary cell claims and 32 multi-cell mining claims. The property covers an area of approximately 12,757 hectares. The claims are registered to Jonathan Paul Camilleri and are subject to an option agreement (the “Option Agreement A”) entered into between Warrior Gold and Jon Camilleri signed and dated July 30, 2021. Figure 4.4 displays the claim fabric of the KL West Property. Appendix II the mining tenure information on claims of the KL West Block.

# TECHNICAL REPORT ON THE KIRKLAND LAKE PROPERTIES FOR WARRIOR GOLD

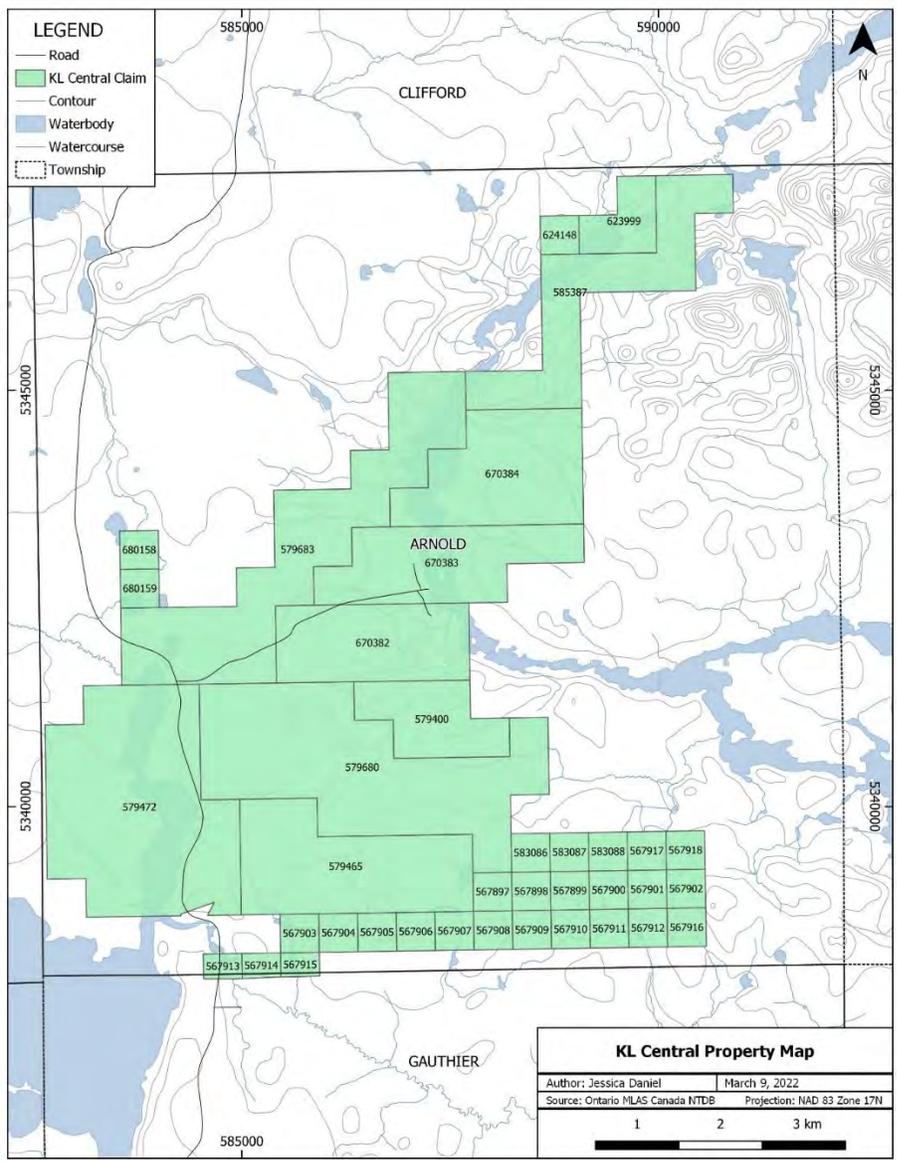
**Figure 4.4** Claim fabric of the KL West Property.



### 4.2.3 KL Central Mining Tenure and Ownership

The KL Central Property consists of 38 mining claims comprised of 28 single mining cells and 10 multi-cell mining claims. The property covers an area of approximately 3,567 hectares. The claims are registered to both Jon Camilleri and Champagne Resources. Claims registered to Jon Camilleri and are subject to an option agreement (the “Option Agreement A”) entered into between Warrior Gold and Jon Camilleri signed and dated July 30, 2021. Figure 4.5 displays the claim fabric of the KL West Property. Appendix III lists the mining tenure information on claims of the KL Central Block.

**Figure 4.5** Claim fabric of the KL Central Property.



### 4.3 OPTION AND UNDERLYING AGREEMENTS

There are separate option agreements and purchase agreements pertaining to the different claim groups of the Properties.

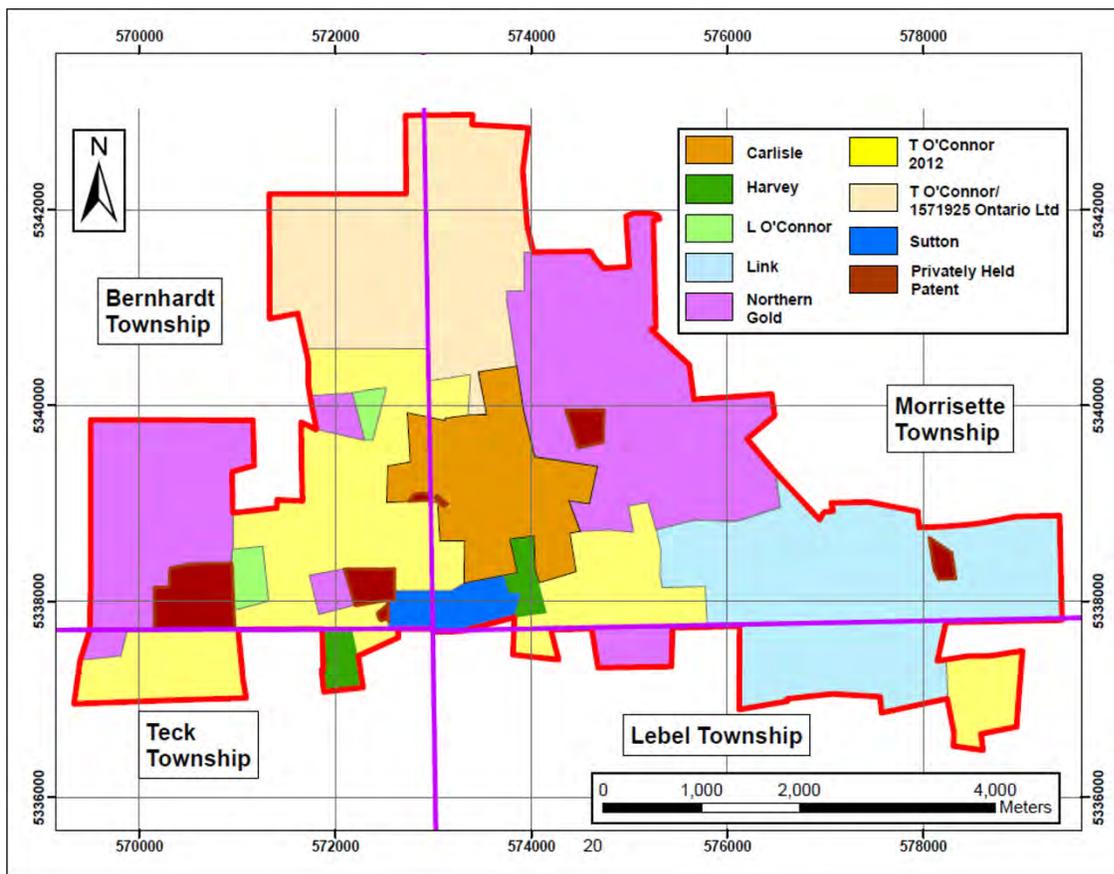
#### 4.3.1 *Goodfish-Kirana Underlying Agreements*

The Goodfish-Kirana Property was the result of the consolidation of nine various property holders and eight separate agreements under Champagne Resources ("Champagne"). Warrior Gold has earned 100% in the original Goodfish-Kirana claims and patents which are subject to the underlying agreements and net smelter royalties ("NSR"). Figure 4.7 displays the original claim and patent holder subject to the eight separate agreements.

- 1) Seventeen legacy claims totaling 44 claim units in four discrete blocks were optioned from Tom O'Connor ("O'Connor") in an agreement signed on November 30, 2012 and amended several times thereafter. O'Connor retains a 1.5% NSR, of which 1% (or 66.66% of the NSR) can be purchased by Champagne for \$1,000,000.
- 2) A second agreement with Tom O'Connor and 1571925 Ontario Ltd., signed on March 14, 2013, covers four legacy claims totaling 34 claim units. The vendors retain a 1% NSR. Three of the claims (legacy claims 4259360, 4259361 and 4259362) were restaked in Champagne's name in February 2014.
- 3) In an agreement dated December 18, 2012, Champagne purchased two legacy claims (three claim units) from Liana O'Connor. The agreement did not include a provision for an NSR for the vendor.
- 4) In an agreement originally signed on December 15, 2011, and amended on March 8, 2013, Champagne purchased 16 patents from Carlisle Goldfields Limited ("Carlisle"). Carlisle was subsequently purchased by Alamos Gold Inc. (TSX:AGI, NYSE:AGI); this entity retains a 1% NSR, of which 100% can be purchased by Champagne for \$1,000,000.
- 5) Thirty legacy claims totaling 39 claim units were optioned from Terry Link ("Link") in an agreement signed on November 14, 2012, and most recently amended on January 12, 2015. Link retains a 1.5% NSR, of which 1% (or 66.66% of the NSR) can be purchased by Champagne for \$1,000,000.
- 6) Two legacy claims (four claim units) were optioned from Michael Sutton ("Sutton") on November 29, 2012; the agreement has since been amended several times. Sutton retains a 1.5% NSR, of which 1% (or 66.66% of the NSR) which can be purchased by Champagne for \$1,000,000.
- 7) Four patented claims were purchased from Mary Harvey ("Harvey") in an agreement signed on November 21, 2012, and last amended on January 12, 2015. Harvey retains a 1.5% NSR, of which 1% (or 66.66% of the NSR) can be purchased by Champagne for \$1,000,000.

8) A 100% interest in 11 legacy claims totaling 62 claim units in five discrete blocks was obtained from Northern Gold Mining Inc. ("Northern Gold") in an agreement signed on May 6, 2013, amended on September 9, 2014. Northern Gold obtained a 2% NSR on these claims which is now the pro rata property of Thomas O'Connor, 1571925 Ontario Ltd., Clayton Larche and Larry Gervais as per agreements registered with MNDM on April 20, 2016, and February 17, 2017. Northern Gold retains a 2% NSR, of which 1% (or 50% of the NSR) can be purchased by Champagne for \$1,000,000.

**Figure 4.6** Legacy and patent claim fabric of owners and option agreements in the original Goodfish-Kirana Property.



**4.3.2 KL West and KL Central Option Agreement**

Warrior Gold has entered into Option Agreement A pursuant to which it has the option to acquire a 100% interest in the KL West and KL Central claim groups (KLW and KLC) for cash consideration totaling \$70,000 and the issuance of 1,000,000 common shares (the "Transaction") over a 3-year period from Jon Camilleri ("Camilleri"). Camilleri is a private individual. Camilleri will retain a 1.5% net smelter returns royalty (the "NSR") on the

Property. Once the Company has acquired 100% interest in the KLW and KLC claim groups under the Transaction, 1.0% of the NSR can be purchased by Warrior Gold for \$1,000,000. There are no outstanding underlying agreements on the mining claims which constitute the KLW and KLC claim groups. The date of Option Agreement A was signed July 30, 2021 (the “Effective Date”).

Warrior Gold will need to satisfy the terms and conditions of Option Agreement A made with Camilleri in order to gain 100% interest in the KL West and KL Central properties. This includes:

- 1) A cash payment of \$10,000 to Camilleri upon the execution and delivery of Option Agreement (completed);
- 2) A cash payment of \$15,000 to on or before the 1<sup>st</sup> anniversary of the effective date of the Option Agreement,
- 3) A cash payment of \$20,000 to Camilleri on or before the 2<sup>nd</sup> anniversary of the Effective Date; and
- 4) A cash payment of \$25,000 to Camilleri on or before the 3<sup>rd</sup> anniversary of the Effective Date.
- 5) The issuance of 1,000,000 common shares on or before the 3<sup>rd</sup> anniversary of the Effective Date.

Upon satisfaction of the above payments and share issuances, the option granted to Warrior Gold pursuant to Option Agreement A shall be deemed to be exercised and an undivided 100% right, title and interest to the Property shall be automatically transferred to Warrior Gold.

If Warrior Gold exercises Option Agreement A in full to acquire a 100% interest in the Property, the Company or its assigns shall have the right at any time to purchase from Camilleri 1.0% (being 66.66%) percent of the NSR from Camilleri for \$1,000,000. Upon such purchase and payment being made, the NSR shall thereafter be calculated as being reduced to 0.50%.

#### ***4.3.3 Arnold Property Purchase Agreement***

The Arnold Property is part of the KL Central block. Warrior Gold has earned 100% in the 25 single mining cells listed in Appendix V of the Arnold Property through the Purchase Agreement dated June 28, 2021, with David Vallillee (the “Vendor”). The Vendor has an underlying agreement on the 25 single mining cells listed in Appendix V with Eric Marion (“Marion”). Warrior Gold has purchased the Arnold Property by completing the issuance of 150,000 common shares to the Vendor and 200,000 common shares to Marion. Both the Vendor and Marion (the “Royalty Holders”) will retain a 1.5% NSR on the 25 single

mining claims cells in a 33% Vendor-67% Marion prorated share. Warrior Gold will have the option to purchase 1% of the 1.5% NSR (or 66.66% of the NSR) from the Royalty Holders for \$1,000,000.

#### **4.4 ENVIROMENTAL LIABILITIES**

The Author is unaware of any current environmental liabilities connected with the Properties.

Permitting is required for many aspects of mineral exploration. Since the type of work being proposed for the Properties is considered preliminary exploration by the Ontario government, the permitting process is not considered onerous. These permits will be acquired by Warrior Gold when required.

Under the Mining Act, prospecting and staking in Ontario can occur on privately owned lands. A prospector must respect the rights of the property owner. Staking cannot disrupt other land use such as crops, gardens or recreation areas, and the prospector is liable for any damage made while making property improvements. A claim holder may also explore on privately owned lands. Prior notification is required and exploration must be done in a way that respects the rights of the property owner.

Water crossings including culverts, bridges, and winter ice bridges, require approval from the Ministry of Natural Resources. This applies to all water crossings whether on Crown, municipal, leased, or private land and includes water crossings for trails. Authorization may take the form of a work permit under the Public Lands Act (“PLA”) or approvals under the Lakes and Rivers Improvement Act (“LRIA”).

In circumstances where there is potential to affect fish or fish habitat, the federal Department of Fisheries and Oceans (“DFO”) must be contacted. Proper planning and care must be taken to mitigate impact on water quality and fish habitat. Where impact on fish habitat is unavoidable, a Fisheries Act Authorization will be required from DFO. In some cases, the Ministry of Natural Resources and your local conservation authority may also be involved.

A work permit is required from MNR for the construction of all roads, buildings or structures on Crown lands with the exception of roads already approved under the Crown Forest Sustainability Act. Private forest access roads may not be accessible to the public unless under term and conditions of an agreement with the land holder.

Exploration diamond drilling may only occur on a valid mining claim. Ministry of Labour regulations regarding the workplace health and safety standards must be met during a drilling project. Notice of drilling operations must be given to the Ministry of Labour.

All drill and boreholes should be properly plugged if there is a risk of the following:

- a physical hazard,
- groundwater contamination,
- artesian conditions, or
- adverse intermingling of aquifers

Appropriate plugging methods may vary and will depend on the type of hole and geology. Ontario Water Resources Act water well regulations may apply.

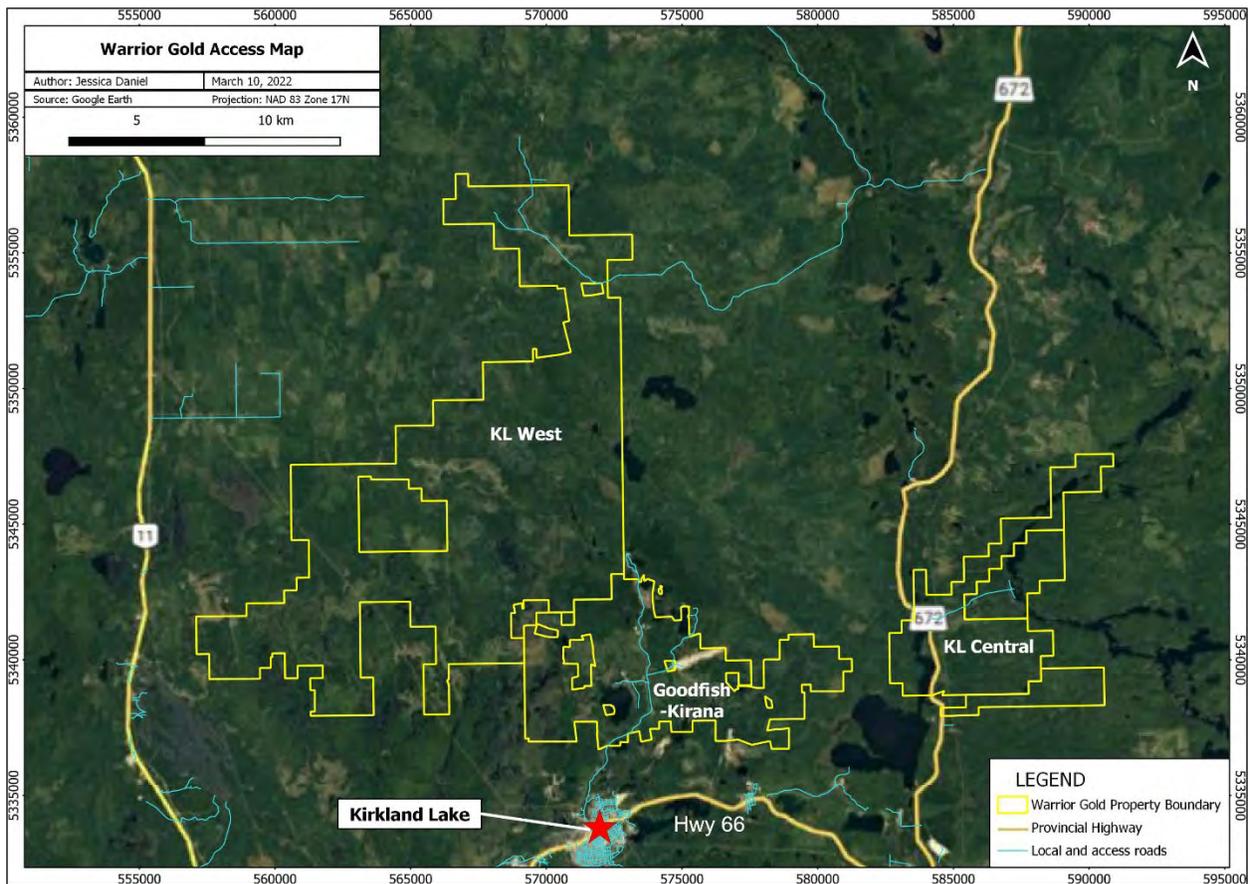
The Author knows of no significant factors and risks that may affect access, title or the right or ability to perform work on the property. The claim group is located within First Nation Treaty Lands. It is the responsibility of Warrior Gold to consult and build agreeable relationships with those First Nations before any exploration efforts or mining is to proceed.

## 5.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE and PHYSIOGRAPHY

### 5.1 ACCESSIBILITY

The Warrior Gold Properties are accessible through three major Provincial Highways, 11, 66 and 672. A network of all-season roads, logging roads, old trails and ATV trails provide good access to internal parts of each property. (Figure 5.1).

**Figure 5.1.** Locations and access into the Warrior Kirkland Lake Properties.



### 5.2 CLIMATE

The area exhibits a northern boreal climate, with short, warm summers and cold winters distinguished by moderate snowfall of 1-2 m. Freezing temperatures can be expected from late October through late March with mid-winter temperatures reaching as low as -30° C. Summer conditions are characterized by moderate rainfall with temperatures occasionally rising to +30°C. Exploration may be hampered in the spring during thaw and fall during freeze-up. The property contains a mix of low-lying areas, sometimes

occupied by lakes, streams or swamps, and broader gentle ridges. Drill programs, in some areas, are optimal during winter months.

### **5.3 LOCAL RESOURCES**

The closest community of substantial size is Kirkland Lake, Ontario, located on Provincial Highway 66 and within 5 km of the Property. Kirkland Lake is within 14 km of the Trans-Canada Highway 11, has a population of approximately 8,000 and the local economy is primarily mining and forestry based. Kirkland Lake can be used as a source of supplies, mining and exploration personnel and service companies.

### **5.4 INFRASTRUCTURE**

The Ontario Northland Railway rail line travels in an east-west direction proximal to Highway 66 passing through Kirkland Lake and within 6 km of the southern boundary of the GK claim group. Sufficient hydro-electric power and natural gas lines are also along the Highway 66 corridor. The expanse of the various properties which totals 20,640 hectares provides ample space for surface rights for mining operations, potential tailings storage areas, waste disposal areas, heap leach pad areas, and processing plant sites.

### **5.5 PHYSIOGRAPHY**

The Property is within the Canadian Shield which is a major physiographic division of Canada. The upland surface is composed of a succession of low ridges and rock ridges. These are separated by areas of level or hummocky glacial overburden comprised of a mixture of sand, gravel, and boulders. There are a number of fresh-water lakes and creeks on the Property that provide ample water for drilling and exploration programs. The region is dominated by mixed forest stands typical of the forests of northeastern Ontario. Black spruce, balsam and tamarack trees occupy low-lying areas with poplar, birch and pine primarily found along drier ridges. Swampy recessive areas are characterized by cedar and tag alder. There are areas of good bedrock exposure up to 30% especially along the ridges and overall bedrock exposure is considered moderate. Overburden cover can be quite variable in the area from 1-20m. The Properties range in elevation from approximately 320 m to 400 m above sea level.

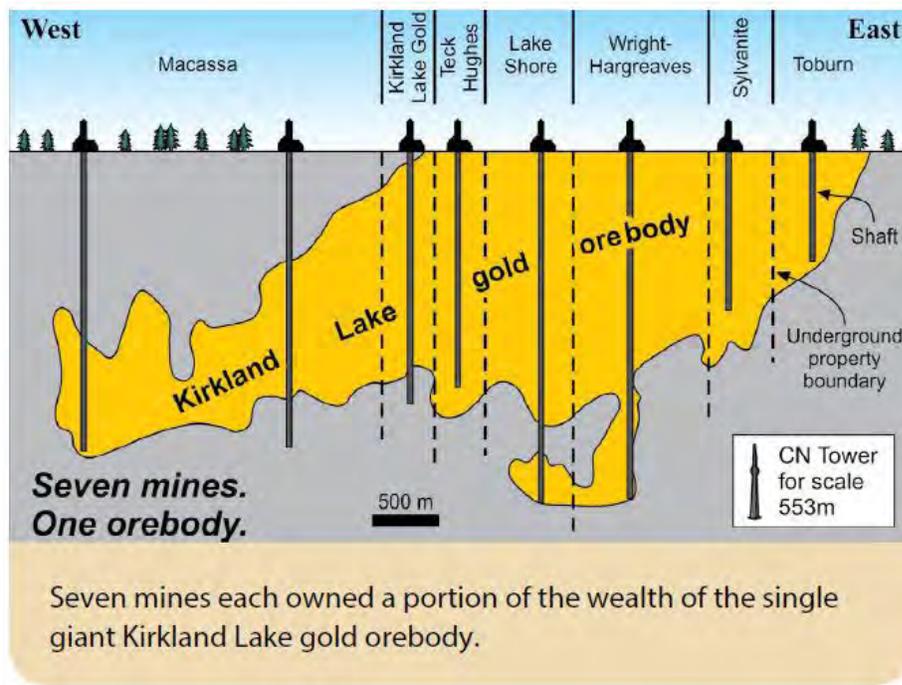
## 6.0 HISTORY

### 6.1 EXPLORATION HISTORY OF THE KIRKLAND LAKE GOLD CAMP

Gold was first discovered in Kirkland Lake in 1906 when Tom Price discovered a boulder containing gold on a visit to the area. In 1911 William Wright and Ed Hargreaves were prospecting in the area. Hargreaves became lost while hunting for rabbits and fired a shot to attract the attention of Wright. While scrambling through the bush, Wright stumbled across a quartz outcrop with clear evidence of gold mineralization. The next day, Wright and Hargreaves staked out their claims. Little did they know that they had just discovered the main ore-bearing fault of the great mines: the Sylvanite, Wright – Hargreaves, and Lakeshore. This started the Kirkland Lake gold rush (Barnes, 1994).

Mining remained the economic mainstay of the community until the latter half of the 20th century, when stagnant gold prices, rising production costs and the lack of new finds led to a gradual slowdown. The Toburn mine closed in 1953, followed by the Kirkland Minerals in 1960, Sylvanite in 1961, Lake Shore and Wright-Hargreaves in 1965, Teck-Hughes in 1968 and Macassa in 1999. Over this long history 15 million ounces of gold were produced from seven mines the same contiguous orebody (Figure 6.1).

**Figure 6.1** The gold mines of the Kirkland Lake camp.



In 2005, a new interpretation of Kirkland Lake geology and gold mineralization spawned the discovery of the South Mine Complex and the rebirth of the Macassa Mine Complex. Today, Kirkland Lake Gold Ltd. states the Macassa Mine Complex is the highest-grade producing gold mine in the world at 22.1 g/t Au head grade.

<https://education.kitco.com/precious-metals/richest-gold-mines-world>.

## **6.2 HISTORY OF THE KIRKLAND LAKE PROPERTIES GENERAL STATEMENT**

As Warrior Gold holds an extensive land package, this section and history of exploration will be divided by separate major claim groups which will include:

- Exploration history of the Goodfish Trend
- Exploration history of other areas of the Goodfish-Kirana claim group
- Exploration history of the KLV claim group
- Exploration history of the KLC claim group

All historical drilling results from the various drill campaigns on the GK claim group can be found in Appendix IV.

## **6.3 EXPLORATION HISTORY OF GOODFISH TREND**

Gold was discovered east of Goodfish Lake in 1912.

### **1912-1927**

Work was sporadic during this period and little is known, however during this time trenching and shafts were sunk on the A, B and C Zones between 1912 and 1927. At least seven veins were explored (Trusler, 1995). The best mineralization was from the No.1 shaft (A-Zone), where a 3-foot interval is reported to have graded **0.5 oz/ton gold (17.15 g/t)** (Setterfield, 2017).

### **1927-1937**

Between 1927 and 1937, Goodfish Mines extended No.1 shaft to 189 m, dewatered two other shafts, conducted extensive lateral development (>1 km) and drilled an unknown number of holes (Setterfield, 2017).

### **1937-1941**

In 1937 the property was sold to Miles-Martin Kirkland Mines and in 1940 it was optioned to Kirkland-Hudson Bay Gold Mines, who delineated a >600 m long, northeast trending, mineralized fracture zone. A 20' x 23' sample in C Zone is reported to have graded 411 g/t

Au (WGM, 1988). Kirkland-Hudson then drilled holes L1 to L9 totaling 318 m in 1941. The best intersection was **0.61 m averaging 99 g/t Au** in hole L2 (Robson, 1941). Four other holes had intersections greater than 3 g/t Au.

#### **1984-1985**

In 1984, Edda Resources Inc. conducted magnetic and VLF surveys (Forbes, 1985a), and then drilled hole E84-1 (176 m) 700 m northeast of Shaft No.4, potentially on strike of the B-Zone where the structures were explored by Goodfish Mines and Miles-Martin (Cunningham, 1984; Edda Resources, 1984). The highest gold value encountered appears to be 30 ppb. An IP survey was conducted later in the year (Parres, 1985); this survey delineated a northwest trending anomaly. Premier Explorations Inc. drilled hole 85-1 in almost the same location in 1985; no assays were reported, but it appears that little of interest was intersected (Forbes, 1985b).

#### **1987-1988**

In 1987-88, Lencourt conducted a small IP survey over the C-Zone and drilled holes KL88-1 to KL88-5 totaling 545 m (WGM, 1988). The holes intersected intermediate to mafic volcanic rocks with locally abundant quartz-carbonate veining and significant pyrite. No chalcopyrite, molybdenite or free gold were noted. Anomalous gold (at least 2 g/t) was encountered in each hole, with a best intersection of **0.79 m grading 12.34 g/t Au** in hole KL88-4. This drilling combined with the 1941 drilling collectively defined a mineralized zone trending 208° and dipping 56° northwest. According to Trusler (1990), Lencourt drilled an additional five holes (KL88-6 to KL88-10) later in 1988 and conducted 14-line km of ground magnetic and VLF surveys. The latter holes were drilled northwest of the C-Zone and in the B-Zone. Hole KL88-8 in the B-Zone intersected **3.20 m averaging 16.46 g/t Au**, and hole KL-88-9 intersected **1.92 m grading 4.29 g/t Au**.

#### **1989**

In 1989, Glencairn drilled holes 89-1 and 89-2 approximately 500 m northeast of Shaft No. 4 and potentially on strike with the B-Zone (Forbes, 1989). No significant gold was reported.

#### **1990**

International Platinum drilled holes GF90-01 to 07 (746 m) in February 1990, distributed between the three zones A, B and C. (Trusler, 1990). The logs for these holes are not available, but the most significant gold result was reported in hole GF90-04 at the A-Zone, **12.65 m averaging 16.97 g/t Au**. Hole GF90-02 at the B-Zone intersected **0.15 m of 6.58 g/t Au** (Trusler, 1990). Most holes intersected anomalous gold mineralization.

International Platinum drilled an additional eight holes (1,296 m) in the fall of 1990 into the A-Zone (Trusler, 1990). Trusler discusses four east-southeast trending auriferous structures (A-1 to A-4) within a shear-hosted quartz-carbonate vein system in the A-Zone. The best intersection reported was **1.22 m averaging 15.43 g/t Au** from hole GF90-12 on what was called the A<sub>3</sub>-Zone.

#### **1992**

Glencairn drilled holes GF92-16 to -19 (782 m) on the A-Zone in 1992, all from the same drill set-up (Trusler, 1992). The best intersection was **1.52 m reporting 13.85 g/t Au** from hole GF92-17 on what was interpreted as the A<sub>2</sub>-Zone. This interval occurred within a wider intersection of **7.62 m averaging 4.66 g/t Au**.

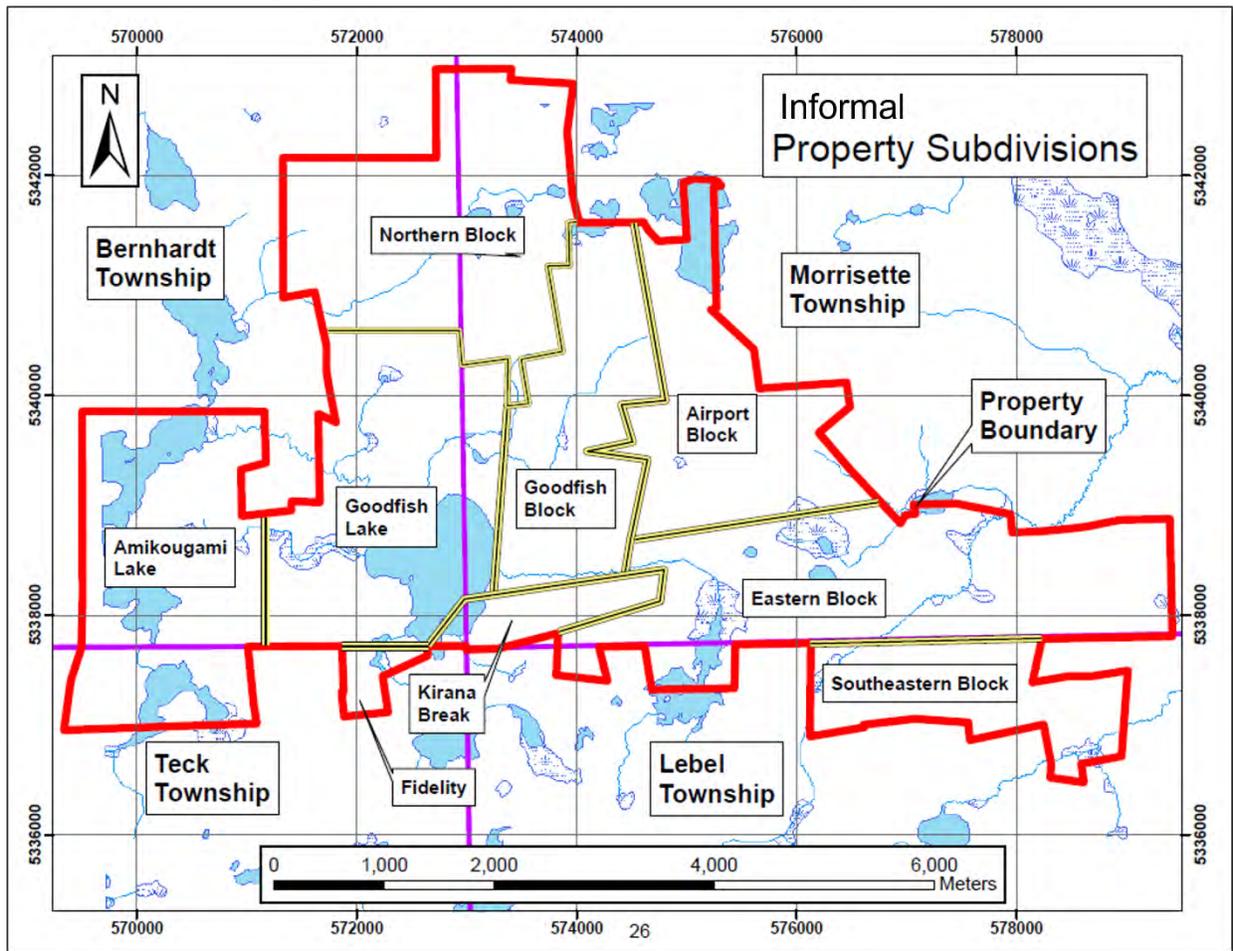
#### **1995**

Southview Capital Corp. followed the above work with five holes (GF95-20 to GF95-24; 1,303 m) on the A-Zone in 1995 (Trusler, 1995). Results were disappointing, with a best result of **0.55 m @ 6.52 g/t Au** in GF95-22.

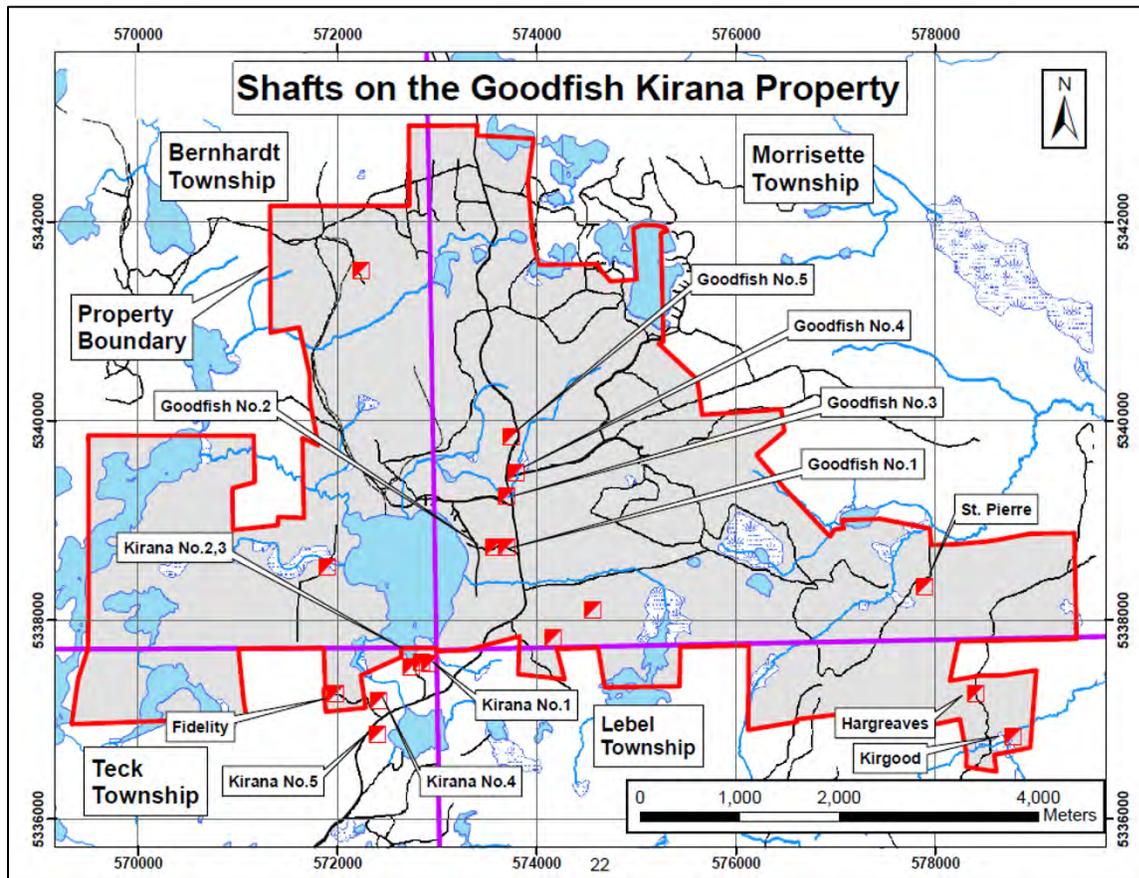
### **6.4 REGIONAL EXPLORATION HISTORY OF GOODFISH-KIRANA CLAIM GROUP**

For ease of reporting, the Property has been divided into nine subdivisions (blocks) as per Setterfield, 2018. These subdivisions are referred to herein as the Amikougami Lake, Goodfish Lake, Northern, Fidelity, Kirana Break, Airport, Eastern and Southeastern blocks (Figure 6.2). The Goodfish block is herein named the Goodfish Trend. Previous exploration from each section is described below. The bulk of the historical exploration programs was conducted prior to the advent of NI 43-101 and the quality of reporting of these programs varies widely. It should also be noted that due to their selective nature, assay results from grab samples may not be representative of the mineralization hosted on the Property.

**Figure 6.2** Informal property divisions of the Goodfish-Kirana Group. Source Setterfield 2018.



**Figure 6.3** Shafts of the Goodfish Kirana claim group. Property outline circa 2017. Source Setterfield, 2018.



#### 6.4.1 Amikougami Lake Block

In 1987 Fregold Recovery Inc. conducted a very low frequency ("VLF") geophysical survey, geological mapping and sampling on a property that overlapped the extreme southwest of the present property (Leriche and Matich, 1987). They noted the presence of several quartz veins and two trenches immediately south of the Property (within 50 m). They collected five samples for assay, but no significant gold values were obtained.

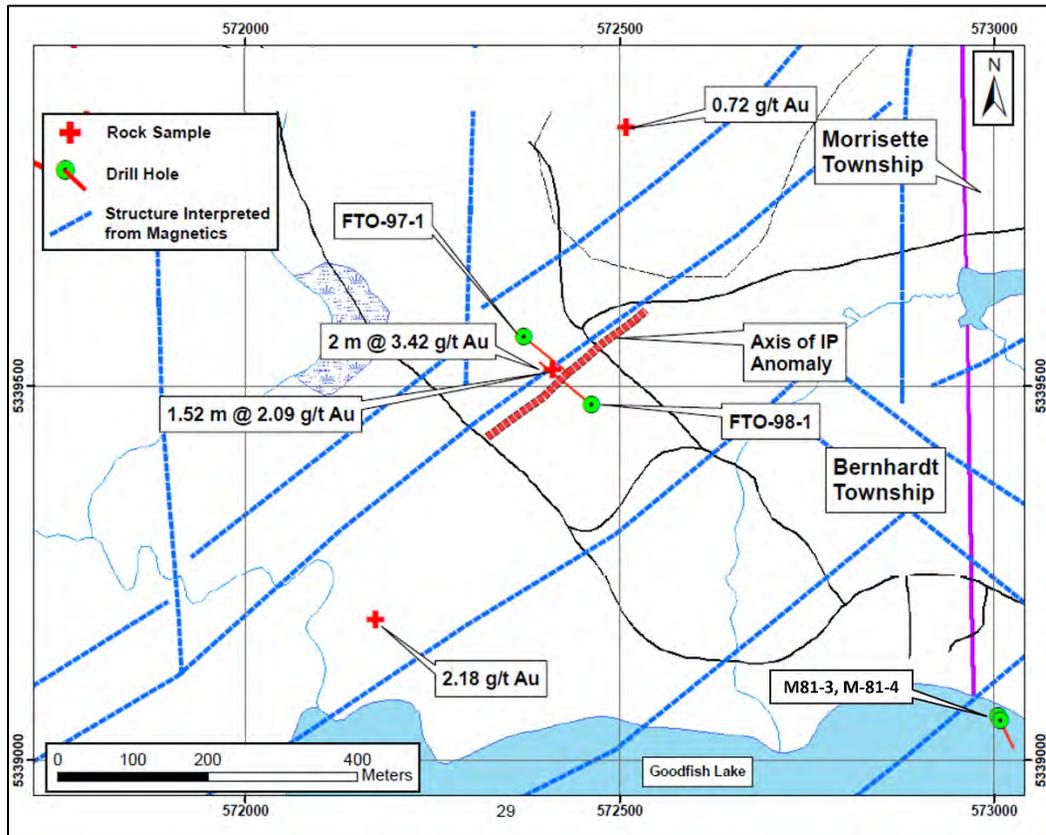
In 1995, prospectors Eric Marion ("Marion") and Alain Carreau ("Carreau") conducted prospecting and stripping in the southwest part of the Property (Marion and Carreau, 1995). In 1998 and 1999, Marion conducted VLF surveys over parts of present claims (Marion, 1998; 1999). Additional magnetic and VLF surveying was completed in this area in 2000 (Marion, 2000a, b, 2001).

In 1995 and 1996, prospector Paul St. Jean dug several pits and took samples of quartz veins in the southern portion of present claim group (St. Jean, 1995a, b; 1997) but no anomalous gold was encountered.

#### 6.4.2 Goodfish Lake Block

Francis O'Connor drilled holes M81-3 and M81-4 on the northeast corner of Goodfish Lake in 1981 (Ploeger, 1981) (Figure 6.4). No assay results were provided.

**Figure 6.4** Sampling and drill hole locations for the Goodfish Lake Block, northern area.



In 1984 a large block of ground from northwest Goodfish Lake to southwest of Goodfish Lake was mapped and a number of samples were taken (Constable, 1984a). The only results of note came from the Fidelity area. VLF and magnetic surveys were also completed on the property (Constable, 1984b). In 1986, VLF and magnetic surveys were completed over Goodfish Lake (Constable, 1986).

In 1987-1988, Minnova Inc. ("Minnova") completed magnetic, IP and VLF surveys over Goodfish Lake and the surrounding area, particularly west of the lake (Duchoslav and Webster, 1988a, Northfield and Webster, 1988). Minnova also conducted soil

geochemistry surveys south of Goodfish Lake, obtaining some very good gold values (Beaudry, 1987; Pelletier, 1988). Subsequent studies however revealed the gold-in-soil anomaly was due to nearby tailings contamination. Minnova also conducted geological mapping, trenching, and drilled 14 holes from 1987 to 1989 (KIR-1 to KIR-14; Bernard, 1990). The assessment file associated with this drilling is not in the MLAS system.

In 1995 a stripping and sampling program was conducted by Tom O'Connor ("O'Connor") adjoining the northwest corner of Goodfish Lake (Gamble, 1996a). Two 040°-trending, pyrite-iron carbonate-bearing shear zones were uncovered and sampled. Highlights include 3.42 g/t Au over 2m and 1.61 g/t Au over 0.60m.

In 1996, O'Connor followed up this gold showing with IP, VLF and surface sampling (Gamble, 1997). An 800 m long IP anomaly was found coincident with the 1995 gold showing. Grab sample highlights include 0.72 g/t Au and 1.56 g/t Au.

The coincident IP anomaly/gold showing was drill tested in 1997 by hole FTO-97-1 (Gamble, 1998a). A 12 m wide zone of pyrite-bearing basalt with quartz and/or calcite stringers was associated with the best value 199 ppb Au. Hole FTO-98-1 was drilled on the same target in 1998 (Gamble, 1998b). This hole encountered a silicified zone with quartz veins and 2 to 5% pyrite in basalt. Highlights include 2.09 g/t over 1.25m. This area was channel sampled again in 2006 with a highlighted result of 1.35 g/t Au over 1 m (O'Connor, 2006a).

Prospecting, stripping and sampling by O'Connor around Goodfish Lake produced highlighted grab results of:

- 1) 1.41 and 2.18 g/t Au (O'Connor, 2004b)
- 2) 0.38 g/t Au (O'Connor 2005a)
- 3) 0.41 g/t Au (O'Connor, 2006b)

### **6.4.3 Northern Block**

Lac Minerals Ltd. completed a ground magnetic survey 3 km north of Goodfish Lake in 1986 (Walker, 1986).

In 1988 Glen Mullan collected 34 samples from the dump near a shaft 2.5 km north of Goodfish Lake. The highest gold value obtained was 0.93 g/t (Mullan, 1988).

Magnetic and VLF surveys were conducted for Arnold Merrick over a block of ground straddling Bernhardt and Morrisette townships in the central portion of the Northern Block (Carmichael, 1992; Weller, 1993). The property was geologically mapped in 1993; the authors pointed out the potential for diamonds as well as gold (Germundson and Weller,

1993). Additional magnetic and electromagnetic surveys were completed in 1994 (Weller, 1994).

In 1996, Anglaumaque Explorations Inc. performed a ground magnetic/VLF survey but did not record anything of interest (Lavoie, 1996).

In 2006, Gold Diamet Ltd. ("Gold Diamet") drilled holes MO-06-01 and 02. No assays were provided (Brown, 2006).

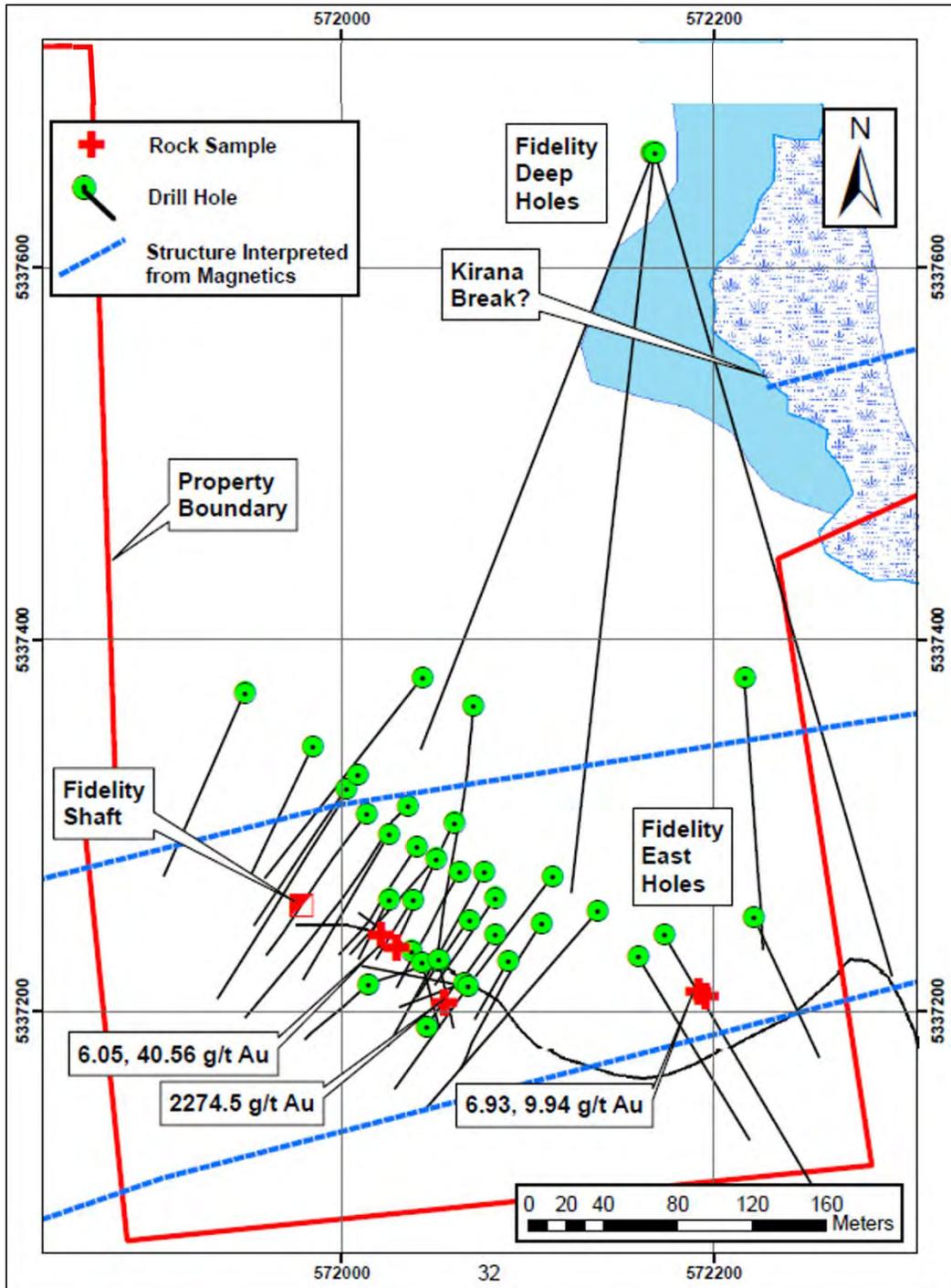
In 2007, Gold Diamet flew an airborne magnetic survey over parts of the block. An ENE and a NW structure were interpreted on the present Property (Boivin, 2007a, b). Several circular airborne magnetic anomalies were surveyed with ground magnetics (Ploeger, 2007, 2008a, b).

#### **6.4.5 Fidelity**

Mapping and sampling in the Fidelity area by Constable (1984a) yielded a poorly documented grab sample of 21.26 g/t Au south of the main shaft.

Northern Gold conducted preliminary stripping and grab/channel sampling near the Fidelity Shaft in 2007 (Rattee, 2008). Highlights include **40.56 g/t Au over 1 m** located 45 m east-southeast of the Fidelity shaft (Figure 6.5).

**Figure 6.5** Sampling and drill hole locations for the Fidelity area.



According to Matheson (2009a), the 300' deep, inclined Fidelity Shaft was sunk on a mineralized vein adjacent to a quartz-feldspar porphyry from 1918-1920. During prospecting and channel sampling near the shaft by Northern Gold in 2008, 127 m of

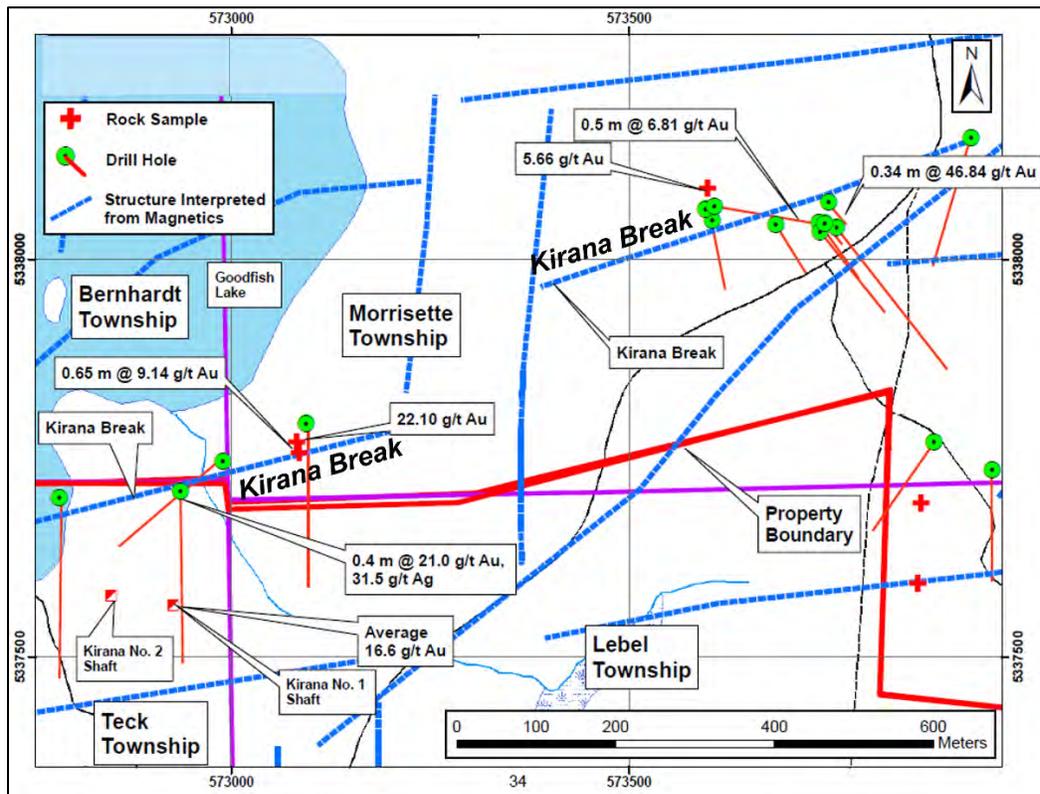
channels were cut, from which a total of 267 chip and channel samples were taken. This work yielded a channel sample of **2,274.5 g/t Au over 0.3 m** and several grab samples in excess of 500 g/t Au over a large-stripped area 50m southeast of the shaft. After noting coarse gold, they collected eight **1 tonne bulk samples, which had a weighted average of 1.41 g/t Au**. Fidelity East, an area 200 m east of the Fidelity shaft, was also stripped and mapped. Sampling from this area produced highlights of **6.93 g/t Au over 0.7m** and a grab sample of **9.94 g/t Au** in quartz veins Matheson (2009a).

Northern Gold drilled 31 holes on the Fidelity Vein in 2008 (Matheson, 2009b). They found that the vein system was weaker at depth and that mineralization was of lower grade. Highlights include 4.05 g/t Au over 0.6 m, 1.49 g/t Au over 0.4m and 1.17 g/t Au over 1.0 m. Most holes did not encounter mineralization.

### 6.4.6 Kirana Break

One of the major structures passing through the Property is the east-west trending Kirana Break. This break appears to control mineralization immediately south of the Property, and then trends east-northeast onto the Goodfish-Kirana group (Figure 6.6).

*Figure 6.6 Sampling and drill hole locations for the Kirana Break area.*



The Kirana Kirkland Gold Mines Limited (1936) prospectus (Setterfield, 2018) indicates that gold-bearing veins occur along the contacts between east-northeast trending porphyry dikes and basaltic rocks immediately proximal to the Kirana Break. Free gold is associated with tellurides. Five shafts were sunk in the area (Kirana shafts No 1 through 5). An average grade of 16.6 g/t Au over 3.05 m was calculated from one of the drifts in the No. 1 shaft. Individual assays to support this calculation were not presented.

In 1979 Hans-Warner Mining Limited excavated several trenches and drilled holes 79-1 and 79-2 in southwest Morrisette Township (O'Connor, 1979). No assays were provided. They drilled hole 81-3 nearby in 1981 (Lovell and Grabowski, 1981), again without providing any assays.

Minnova's 1990 drilling program included holes KIR-4, 5 and 7 on the present Property, and KIR-1, -2, -3 and -11 near the Kirana No. 1 shaft (Bernard, 1990). Hole KIR-3 intersected 21.0 g/t Au and 31.5 g/t Ag over 0.4 m. Hole KIR-5 intersected 6.81 g/t Au over 0.5 m.

In 2003, Mike Sutton completed a 118 m drill hole targeting Kirana Break mineralization (Sutton, 2003). The hole intersected a molybdenite-pyrite-bearing zone in pyritic basalt flow breccia adjacent to a quartz feldspar porphyry. Quartz-ankerite-pyrite veining was also present. **A 0.34 m interval assayed 46.84 g/t Au.**

Northern Gold stripped and channel sampled an area they called Goodfish East near the Sutton vein (Matheson, 2009a). Highlights of the channel sampling include 0.48 g/t Au over 0.5m. Northern Gold also channel sampled an area they called Goodfish West (Matheson, 2009a). Highlights of these efforts were **9.14 g/t Au over 0.65m** and grab samples of **13.05 g/t Au, 16.87 g/t Au and 22.10 g/t Au.**

Northern Gold drilled holes Ko8-1 and Ko8-2 in 2008 to follow-up on Sutton's intersection (Madhill, 2008). Highlights include 0.656 g/t Au over 1.0 m and 1.51 g/t Au over 1.0 m.

#### **6.4.7 Airport Block**

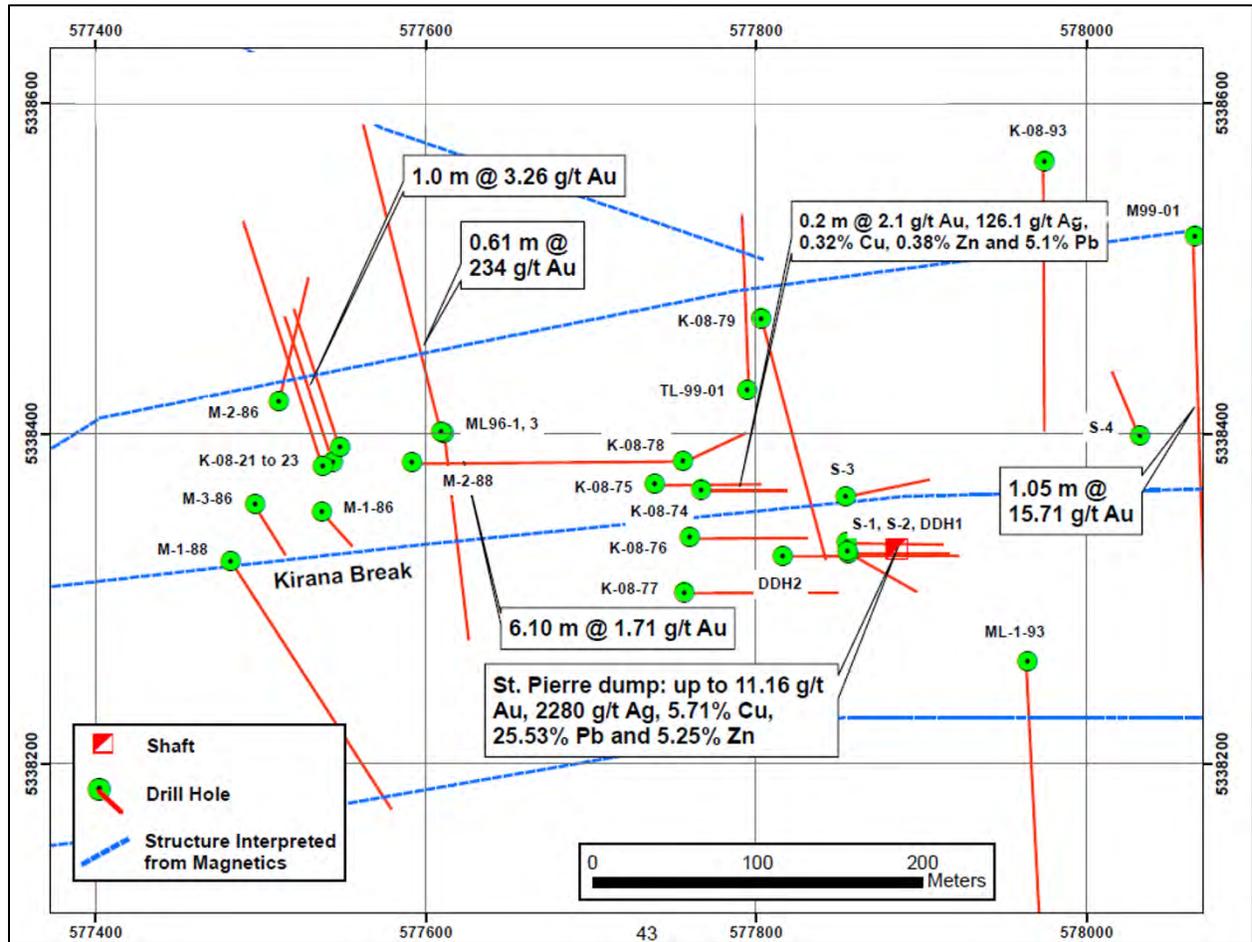
Until recently the Airport Block has consisted mainly of a series of private patents upon which no assessment work has been filed. The only recorded exploration on this block is Northern Gold's IP survey in the southern quarter of the block and their VTEM survey over the entire block in 2008 (Setterfield, 2018).

#### **6.4.8 Eastern Block**

The St. Pierre shaft (MDI 32D04NW00036) (20m) was sunk on #1 Vein, a polymetallic quartz vein. Underground mapping revealed 3 different orientations of veins (Figure 6.7). In 1955, Macassa Mines Ltd. drilled holes S-1 to S-4 (Ward, 1955). Hole S-1 had an

intersection of 94 g/t Ag, 0.25% Cu and 0.14% Pb over 0.30 m. Hole S-2 intersected of 84 g/t Ag over 0.46 m and hole S-3 intersected 85 g/t Ag over 0.3m on #1 Vein and 96 g/t Ag over 0.22 m on #2 Vein.

**Figure 6.7** Sampling and drill hole locations for the Eastern Block area.



In 1967 George Potter drilled holes DDH-1 and DDH-2 under the St. Pierre Shaft (Roach, 1967). No assays were provided.

Tornado Mines Ltd. conducted a magnetic and VLF survey over most of the eastern part of the Eastern Block in 1972 (Dunlop, 1972).

A small shaft (6m)( MDI42A01SE00030) occurs on the western edge of the Eastern Block. In 1972, Emil Chorzepa ("Chorzepa") collected 156 samples from nine locations in this area; assays ranged from trace to 14.75 g/t Au. He obtained a value of 5.49 g/t Au from a composite sample of dump material adjacent to this shaft, and a chip value of **14.75 g/t Au over 0.30 m.** (Chorzepa, 1972). Chorzepa drilled holes M-1 through M-4 in 1976 with

highlights of 1.72 g/t Au over 1.0 m and 2.06 g/t Au over 0.76 m. Chorzepa returned in 1983 with hole A-1 (Chorzepa, 1983), encountering 3.05 m @ 0.34 g/t Au.

From 1979 to 1980, Rosario Resources Canada Ltd. ("Rosario") conducted VLF, magnetic and geological surveys over the central to eastern part of the Eastern Block and drilled holes LM80-1 and LM80-2 (Markov, 1980a, b, c). Rosario targeted gold and VMS mineralization, but no significant assays were found.

In 1980, Rio Tinto conducted a ground magnetic and Max-Min survey over an area within the block boundary (Beckmann, 1980).

In 1985, Lac Minerals Ltd. conducted a magnetic survey over parts of the Eastern Block (Walker, 1985). The survey defined an east-trending stratigraphy. This was followed by drilling hole M21A. (Morris, 1985). No significant mineralization was found.

In 1986 Terry Link ("Link") drilled holes M-1-86 to M-3-86 approximately 350 m west of the St. Pierre shaft (Link, 1986). No assays were provided, although he (Link, 1986) indicated that an alteration zone with minor gold was encountered in holes M-1-86 and M-3-86. Link drilled two additional holes M-1-88 and M-2-88 in this area in 1988. No assays were provided, although a later report, Link (1996) disclosed that hole M-2-88 intersected 1.71 g/t Au over 6.1m.

In 1987 Premier Explorations Inc. completed ground magnetic and VLF surveys over a portion of the Block. No anomalies were identified (Cooper, 1987).

In 1988 Frank O'Connor commissioned a magnetic and VLF survey (Carmichael, 1988). Holes F90-1 and F90-2 were drilled in this area in 1990, but only low gold values were obtained (Carmichael, 1990a; b).

In 1989, Link drilled two additional holes M-1-89 and M-2-89 in the north-central part of the Eastern Block (Link, 1989a, b, c). No assays were provided.

Link drilled hole ML-1-93 approximately 100 m southeast of the St. Pierre shaft in 1993 (Link, 1993; 1994). The highest assay was 0.05 g/t Au over 1.0 m.

In 1996, Link drilled three additional holes (ML96-1 to ML96-3) 350 to 600 m west of the St. Pierre shaft (Link, 1996). Hole ML96-1 penetrated the Link Gold Zone, a 6.4 m wide graphitic zone within a wide zone of silicification and returned **0.676 g/t Au over 2.44 m**. Hole ML96-3 intersected several areas of quartz veinlets in diabase (?) with results of **3.84 g/t Au over 1.52 m, 5.55 g/t Au over 0.61 m and 234 g/t Au over 0.61 m**. These higher-grade intersections are proximal to an interpreted splay off the Kirana Break.

Medici Mineral Corp. ("Medici") surveyed a large portion of the Eastern Block with IP in 1997 (Warne et al., 1997). They interpreted a 1.6 km long by 150 m wide "potential sulphide/alteration system" which included the Link Gold Zone and the St. Pierre Shaft. Medici drilled holes TL99-01 and M-99-01 (541 m) in 1999 close to the St. Pierre shaft, apparently targeted on the system defined by IP (Skeries, 1999). Hole M-99-01 intersected 15.71 g/t Au over 1.05 m with Cu values as high as 0.57% in the hole.

Derek Laing had a property that included the entire Lebel Township portion of the Eastern Block from 1999 to the mid 2000's. He conducted magnetic and VLF surveying and repeated prospecting on the Block, but failed to obtain any interesting values (Laing, 1999, 2000, 2006, 2007, 2008 and undated; Robinson, 1999).

Power stripping was completed by O'Connor in 2004 and 2005 within the Block. (O'Connor, 2004c; 2005c). Nothing of interest was noted.

Prospecting by Link in 2006 (Link, 2006a; b) returned 0.885 g/t Au from a grab sample where overall results ranged from 17 to 885 ppb Au. Link conducted a small amount of prospecting in 2007 but nothing of interest was discovered.

In 2007, Northern Gold stripped an area 500 m west of the St. Pierre shaft and collected 62 grab samples. One quartz-carbonate vein grab sample assayed 1.26 g/t Au and 0.46% Cu, and a pyrite bearing rhyolite sample assayed 5.16 g/t Au (Rattee, 2007).

### ***2008: Northern Gold***

Northern Gold completed stripping and channel and grab sampling close to the St. Pierre shaft (Matheson, 2009a). No significant metal values were noted. Samples from the dump had highest values of **11.16 g/t Au, 2280 g/t Ag, 5.71% Cu, 25.53% Pb and 5.25% Zn**. Northern Gold drilled holes K-08-21 to K-08-23 into the Link Gold Zone (Matheson, 2009b). Hole K-08-21 intersected 1.0 m @ 3.26 g/t Au over 1.0 m.

Northern Gold completed 92 line-km of IP on the Block but did not submit this information for assessment. They outlined two anomalies in the Eastern Block which they reported were conductive (Matheson, 2009b). Northern Gold drilled a total of 31 holes into these two IP anomalies and determined they were likely due to pyrite in flow breccias within the basalt stratigraphy or by thin massive sulphide/graphite zones. Spotty anomalous gold was returned, with a best intersection of 2.74 g/t Au over 1.0 m.

Northern Gold also drilled holes K-08-74 to K-08-78 in the area of the St. Pierre shaft. Highlights include **2.1 g/t Au, 126.1 g/t Ag, 0.32% Cu, 0.38% Zn and 5.1% Pb over 2 m** in hole K-08-74 and 0.05 g/t Au and 55.0 g/t Ag over 0.28 m in hole K-08-76.

Northern Gold also drilled holes K-08-79 and K-08-93 in the area of Medici's 1999 drilling northwest of the St. Pierre shaft. Drilling was targeted on an IP anomaly in this area. Highlights of the drilling was 1.06 g/t Au over 2.1m in a "highly siliceous rhyolite or chert/tuff with considerable amounts of pyrite and pyrrhotite" (Matheson, 2009a; b).

Northern Gold also conducted a Mobile Metal Ion (MMI) soil geochemistry survey on a group of claims within this Block, centered on the St. Pierre/Mallard Lake shaft (Matheson, 2009c). The MMI survey appeared to be plagued by problems related to reproducibility of data.

Northern Gold commissioned a heliborne VTEM and magnetic survey over a majority of the Block (Acorn et al., 2008; Madhill, 2009). It also covered the present Goodfish Block. Results were inconclusive as the data was not utilized for interpretation.

In 2011 Northern Gold mapped portions of the Block in Lebel Township (Matheson, 2011). Only mafic volcanics were noted.

#### **6.4.9 Southeastern Block**

The Hargreaves shaft in the Southeastern Block (Figure 6.3) was sunk in 1928 and deepened to 91m in 1936 (Pearson, 1998a). Exploration Brex Inc. ("Brex") collected three samples from the dump highlighted by one result of 2.93 g/t Au.

The Kirgood shaft was sunk in 1930 to test the northeast-trending Murdoch Creek fault zone on the very southeast edge of the Property (Pearson, 1988a). The shaft tested a pyrite-bearing quartz vein. Kirgood Gold Mines drilled four holes (KG37-01 to 04) to test this fault in 1937. The logs are reproduced in Pearson (1988a) but are difficult to read. Two intersections of greater than trace gold were encountered in hole 4, both associated with syenite porphyry, but the actual values are unreadable.

Grasset Lake Mines Ltd. drilled two holes close to the Hargreaves shaft in 1961 (Garneau, 1961). "Numerous quartz and carbonate stringers" are noted in the log for one hole, but no assays are provided.

In 1980 Minorex Ltd. conducted mapping and an EM survey on a block of ground east of the Hargreaves shaft (Stones, 1980). Their map shows the geology close to the shaft to be mainly Timiskaming sediments. Their report asserts that one of the Grasset Lake drill holes intersected "a quartz stockwork bearing pyrite, pyrrhotite and chalcopyrite" (not indicated on logs).

A magnetometer survey was completed in the vicinity of the Hargreaves shaft in 1981 by the Sulphide Syndicate (Gamble, 1981).

Michael Leahy ("Leahy") worked on a portion of the Block in the mid 1980s. He collected 11 samples from the Hargreaves dump in 1984-85 (Leahy, 1987). The only anomalous sample ran 0.79 g/t Au. Leahy completed magnetic and VLF surveys over the property in 1984-85 (Leahy, 1984; 1985a, b). In 1986 Leahy mapped the property and conducted a humus survey consisting of 83 samples; gold results generally varied from Nil to 50 ppb Au (Leahy, 1986). He noted two anomalies greater than 100 ppb Au, with a high value of 120 ppb Au approximately 400 m south of the Hargreaves shaft.

In 1988, Brex explored a property that included a portion of the Block (Pearson, 1988a). They sampled the Kirgood and Kirgood West showings but did not obtain any anomalous gold values. Brex conducted a ground magnetic and VLF survey (Lambert and Turcotte, 1988a) and an IP survey (Lambert and Turcotte, 1988b) over a portion of the Block. Brex drilled holes LEB-88-01 to 04 targeting an IP anomaly on the Hargreaves fault (Pearson, 1988b; 1989; hole LEB-88-04 was outside the Property). No mineralization was intersected.

The same property was mapped by Hawley (1994) and surveyed with magnetics and VLF.

In 1990, Sam Gamble stripped and sampled an area in the southeast corner of the Block (Gamble, 1990). No assays were provided.

In 1994, Amarado Resources Ltd. ("Amarado") explored a portion of the Block (Carmichael, 1995; Kozel and Webster, 1995). Carmichael notes that Timiskaming sediments occur on the property, and notes several trenches, but does not provide assay data. Pearson (1988a, b) describes Hargreaves as occurring on a strong east-trending shear zone containing carbonate alteration and quartz-carbonate-pyrite veins at the contact between the Timiskaming sediments and basalts. Amarado conducted magnetic, VLF and Spectral IP surveys. Three coincident chargeability-resistivity IP anomalies were noted, and drilling was proposed, but never carried out.

O'Connor collected a total of 10 samples from the Kirgood shaft area in 2004-05. Highlights include a sample of 0.37 g/t Au (O'Connor, 2005d; 2006c). O'Connor collected six samples proximal to the Hargreaves shaft in 2007 (O'Connor, 2007b). Highlights include a sample of 3.38 g/t Au.

According to Northern Gold (Matheson, 2009a), mineralization at Hargreaves is associated with a northeast-trending quartz vein which has sulphides on the margin and cuts through gabbro. Northern Gold stripped and sampled two areas close to the shaft in 2008. Highlighted grab samples include 3.22 g/t Au and 1.92 g/t Au.

## 6.5 EXPLORATION HISTORY OF THE KL WEST BLOCK

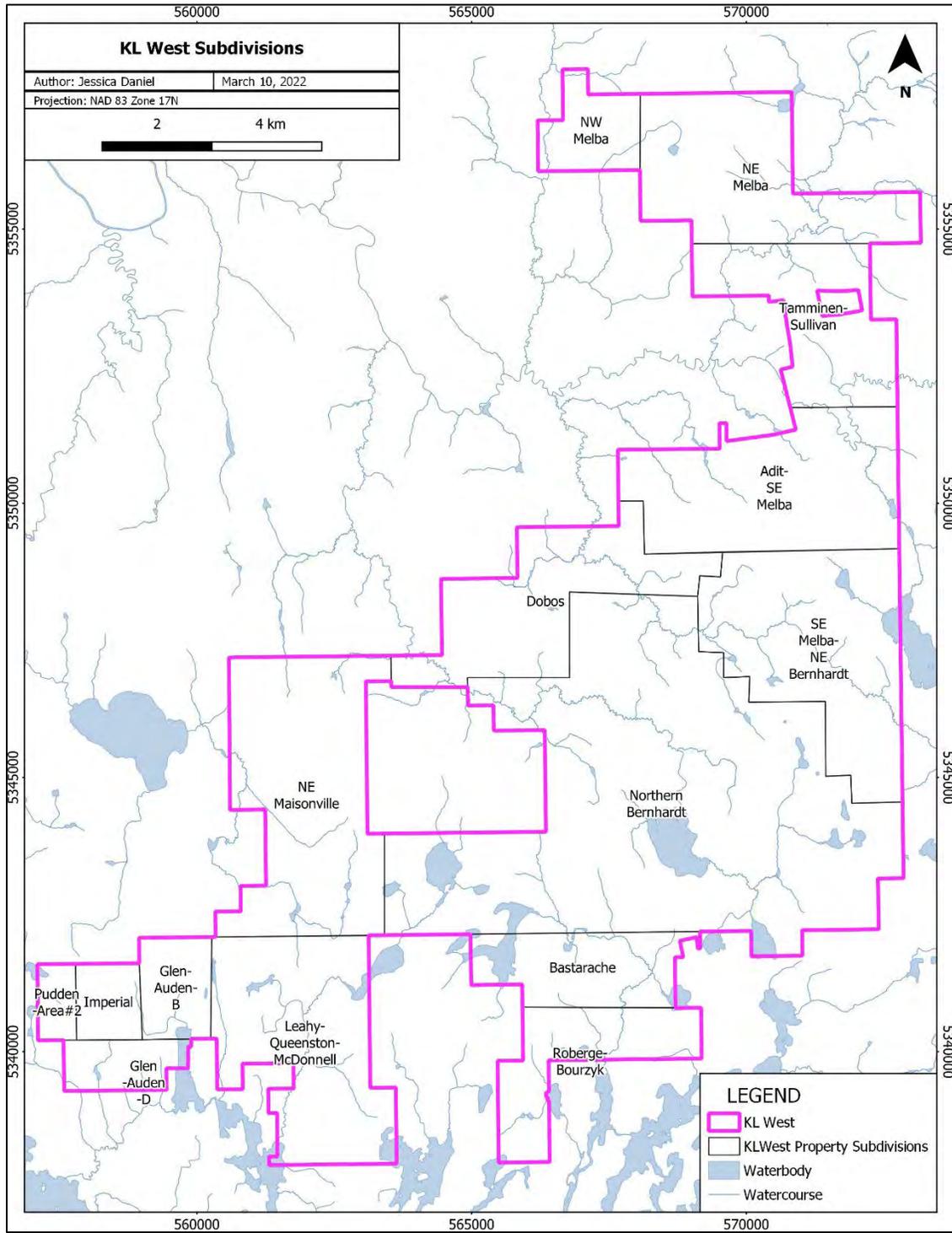
At over 12,600 hectares, the KL West Block is very extensive, with an equally extensive exploration history. Many of the exploration tools utilized over the years include airborne geophysics, ground geophysics, trenching, soil geochemistry, till sampling, mapping, prospecting, and diamond drilling. It is not in the context of this report to detail every program, but to give an overview in a concise format. Thus, the KL West Block has been broken into informal subdivisions (Figure 6.8) with a summary of exploration history presented in table form (Table 6.2).

Abbreviations found under ‘Work’ in Table 6.2 are referenced in Table 6.1 below.

**Table 6.1** Reference abbreviations for tables 6.2 and 6.3.

Exploration Work Abbreviations	Type of Work
M	mapping
AM	airborne magnetic survey
AEM	airborne electromagnetic survey
VLF	very low frequency ground geophysical survey
HLEM	horizontal loop electromagnetic ground geophysical survey
OvD	overburden drill holes
DD	diamond drill holes
IP	induced polarization ground geophysical survey
LC	line cutting

**Figure 6.8** Informal subdivisions of the KL West claim group.



# TECHNICAL REPORT ON THE KIRKLAND LAKE PROPERTIES FOR WARRIOR GOLD

**Table 6.2 Summary of exploration history of the KL West claim group.**

NW Melba	Year	Company	Work	AFRI	Author	Report Year	Notes
	1965	Midrim Mining Co. Ltd.	AM, AEM	42A08NE0235	Rattew, A.R.	1965	
	1980	Canadian Gold and Metals Inc.	AM, AEM, AVLF	41P06NW0021	Fortin, R.	1981	
	1982	St Joe Canada Inc	IP, M, DD(4)(906 m), Geological, Sample	42A08NE8943	Berger, B.	1983b	
	1982	St Joe Canada Inc	OvD(21)(421.4 m) - auger, OvD(39)(880.4 m) - reverse circulation	42A08SE0001	Averill, S.A.	1982	No significant results
	1983	St Joe Canada Inc	diamond drill sections	42A08SE0033	Berger, B.	1983c	
	1983	St Joe Canada Inc.	Assays Au Cu	42A08SE0028	Berger, B.	1983a	No data
	1985	St Joe Canada Inc	OvD(14)(327.9 m)	42A08NE0074	Huxhold, P.	1986	Best 240 ppb over 2.6m
	1987	Canreos Minerals Ltd	AM, AEM, AVLF	42A08SE0020	Podolsky, G.	1988	
	1987	Gleeson-Rampton Exploration	AM, AEM, AVLF	42A08SE0024	Podolsky, G.	1987	
	1992	Gleeson-Rampton Expl	Prospecting, sample (17)	42A08SE0127	Rampton, V.N.	1992	No significant results
	1992	Gleeson-Rampton Expl	DD(1)(184.48 m), Sample (42)	42A08SE0127	Thomas, R.D.	1992	Best gold analysis was 173 ppb. Does not explain gold in overburden
	1992	Sudbury Contact Mines Ltd	M, IP, Res	42A08SE9903	Vickers, A. and Webster, B.	1992	
	1998	C F Gleeson	DD(1)(224.0 m), Sample core (17) Au	42A08SE2005	Gleeson, C.F.	1998	2 intersections of 400 ppb Au
	2015	Telluriton Corporation	M	20000014559	Ploeger, C.J.	2015c	
NE Melba	Year	Company	Work	AFRI	Author	Report Year	Notes
	1965	Midrim Mining Co. Ltd.	AM, AEM	42A08NE0235	Rattew, A.R.	1965	
	1965	Midrim Mining Co. Ltd.	DD(7)( m)	KL-0245	Pearson, H.A.	1965b	DD Mentioned in AFRI 42A08SE2004. Cu intersected in 6 holes. Best
	1972	Here Fault Copper Ltd	M, VLF, Geological	42A08SE0050	Tagliamonte, F.P.	1973	
	1973	Here Fault Copper Ltd.	AM, AEM	42A08SE0051	Fraser, D.C.	1973	
	1974	New Inesco Mines Ltd	AM, AEM	32D05SW0544	Fraser, D.C.	1974	
	1977	Here Fault Copper Ltd	DD(4)(255.72 m) Au samples	42A08SE0042	Byrne, C.	1977a	DDH HFC77-4 returned 0.16% Cu over 1.22m
	1979	Rosario Resc Canada Ltd	Geological, VLF-EM, Gr, IP,	42A08SE0037	Middleton, R.S.	1980	DD MB79-2 returned 1379 ppm Zn over unknown sample length.
	1980	Canadian Gold and Metals Inc.	AM, AEM, AVLF	41P06NW0021	Fortin, R.	1981	
	1980	Rosario Resc Canada Ltd	AM, AEM, AVLF	32D05NW0031	Pitcher D.H.	1980	Numerous anomalies detected.
	1986	Westfield Minerals Ltd.	Geological survey, Geochemical soil,	42A08NE0216	Deevy A.J.	1986	Only anomalous rock samples from a boulder.
	1987	Canreos Minerals Ltd	AM, AEM, AVLF	42A08SE0020	Podolsky, G.	1988	
	1992	E Duquette	Prospecting, Sample rock (21)	32D05SW0037	Cutting, D.R. and Duquette, E.	1993	No significant assays noted in sampling.
	1992	F Tagliamonte, F Toews	VLF, Prospecting, Sampling (5)	32D05SW0055	Tagliamonte, F.P. and Toews,	1993	No significant assays noted in sampling.
	1992	Sudbury Contact Mines Ltd	DD(1)(105.2 m)	42A08SE0070	Christie, D.W. and Jamieson, D.R.	1993	Drilling for kimberlites.
	1992	Sudbury Contact Mines Ltd	M, IP, Res	42A08SE9903	Vickers, A. and Webster, B.	1992	
	1995	R Whelan, S Carmichael	VLF, Max-Min, M, Geological, Sample (3)	42A08SE0116	Carmichael, S.J.	1996a	No significant results from samples.
	1998	Darrin Porritt, David R Healey, Todd Keast	SP, M, HLEM, Sample rock (22)	42A08SE2004	Keast, T.	1998	Grab samples ranged from tr to 1.73% Cu from felsic volcanic horizon.
Tamminen-Sullivan	Year	Company	Work	AFRI	Author	Report Year	Notes
	1965	Midrim Mining Co. Ltd.	AM, AEM	42A08NE0235	Rattew, A.R.	1965	
	1972	Here Fault Copper Ltd	M, VLF, Geological	42A08SE0050	Tagliamonte, F.P.	1973	
	1974	Here Fault Copper Ltd	DD(5)(694.03 m)	42A08SE0055	Tagliamonte, F.P.	1974	DDH HF-74-5 returned several narrow (1-1.5m) intersections of anomalous Cu-Zn. Best, 30cm grading 1.01% Cu.
	1975	Here Fault Copper Ltd	DD(2)(356.92 m)	42A08SE0048	Parker, R.T.G	1975	No assays reported.
	1977	Here Fault Copper Ltd	DD(4)(255.72 m) Au samples	42A08SE0042	Byrne, C.	1977a	Best DDH HFC-77-4 with 1560 ppm Cu over 1.22m.
	1977	Here Fault Copper Ltd	Max-Min, M	42A08SE0044	Byrne, C.	1977b	
	1981	Corp Falconbridge Copper	Geological, Geochem rock	42A08SE0450	Piries, I.D.	1981b	Lithochem show lack of indication of mineralization. Property was dropped.
	1984	M Leahy	M	42A08SE0030	Leahy, M.	1984a	
	1987	Canreos Minerals Ltd	AM, AEM, AVLF	42A08SE0020	Podolsky, G.	1988	
	1988	Regent Rock Resc Inc	M, VLF	42A08SE0016	Boniwell, J.B.	1988a	
	1988	Regent Rock Resc Inc	IP, Res	42A08SE0018	Boniwell, J.B.	1988b	
	1989	Regent Rock Resc Inc	DD(4)(545.5 m) Au samples	42A08SE0022	Tindle, J.L.	1989	No Significant Results
	1992	E Duquette	Prospecting, Sample rock (21)	32D05SW0037	Cutting, D.R. and Duquette, E.	1993	No significant assays noted in sampling.
	2004	Noranda Inc	M, HLEM	2000000606	Rogers, D.F.	2004	
	2018	Jonathan Paul Camilleri	IP	20000016976	Winter, L.D.S.	2019a	

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Adit -SE Melba	Year	Company	Work	AFRI	Author	Report Year	Notes
	1974	New Inco Mines Ltd	AM, AEM	32D055W0544	Fraser, D.C.	1974	
	1986	Lac Minerals Ltd	M	42A08SE0026	Walker A.J.	1986b	
	1987	Canreos Minerals Ltd	AM, AEM, AVLF	42A08SE0020	Podolsky, G.	1988	
	1988	731530 Ontario Ltd, Melba Gold Ltd, Nordex Explosives	AM, AVLF	42A08SE0019	Barrie, C.Q.	1988	
	1988	Nordex Explosives Ltd	Geochemical till Au - 10 samples	42A08SE0017	MacRae, W.	1989	No significant results
	1993	P Boone	Stripping, Sample (4 - Au)	42A08SE0002	Boone, P.	1994	No significant results for the 4 samples
	1996	Raven Resc Inc	M, VLF, IP	42A08SE0129	Leahy, M.	1997	
	1997	Unknown	IP, Geochem humus (69 samples), DD(2)(231.1 m) (33 samples).	42A08SE2001	Leahy, M.	1998	IP defined features suggested in 1996 survey. Geochem - background gold content high. DDH M 97-2 intersected 1.35 ppm Au over 0.42 m
	2004	Noranda Inc	M, HLEM	2000000606	Rogers, D.F.	2004	
	2018	Jonathan Paul Camilleri	IP	20000016976	Winter, L.D.S.	2019a	
Dobos	Year	Company	Work	AFRI	Author	Report Year	Notes
	1974	Cons Beaumont Resources Ltd	VLF, M	42A08SE0165	Szetti, S.S.	1974	
	1974	Cons Beaumont Resources Ltd	DD(8)(871.73 m), Sample core - Au	42A08SE0168	Bayne, A.S.	1974	Results in prospectus (42A08SE0163), not logs. Best; 8.22 g/t Au over 1 m, 10.28 g/t Au over 1.37m and 4.97 g/t Au over 1.89 m.
	1981	Cedar Ridge Expl Ltd	VLF, M	42A08SE0162	Bergmann, H.J.	1981	A conductive zone of intermediate amplitude was traced over a strike length of 300 metres and minor direct magnetic correlation is indicated. Trenching hampered by deep ovb and clay. No significant results.
	1982	Cedar Ridge Expl Ltd	Stripping, Sample (12) - Au	42A08SE0161	Bell, D.R.	1982	
	1984	M Leahy	M, VLF	42A08SE0032	Leahy, M.	1984b	
	1985	Lac Minerals Ltd	M	42A08SE0027	Walker A.J.	1986a	
	1985	Premier Explorations Inc	M	42A08SE0159	Forbes, C.P.	1985c	
	1987	Canreos Minerals Ltd	AM, AEM, AVLF	42A08SE0020	Podolsky, G.	1988	
	1988	BHP-Utah Mines Ltd	Geochem soil (250) humus (565), Geological Mapping	42A08SE0150	Weidner, S.O.	1988	Four high priority DH's recommended after IP. Soils and humus sample results inconclusive. Mapping could not explain IP or VLF anomalies.
	1988	Glencairn Expl Ltd, Utah Mines Ltd	Line cutting, VLF, M, IP	42A08SE0151	Diorio, P.A.	1988	Related to above AFRI.
	1988	Nordex Explosives Ltd	Geochemical till Au - 10 samples	42A08SE0017	MacRae, W.	1989	No significant results
	1989	BHP-Utah Mines Ltd, Glencairn Expl Ltd	DD(9)(1209.22 m), Sample core	42A08SE0152	Houle, K.	1989	Drilled VLF and IP anomalies and mineralization at Kinka Shaft. No assays with logs.
	1989	Raven Resc Inc	DD(1)(202.7m), Sample core (29) Au	42A08SE0023	Leahy, M.	1990b	Best assay 1.2 g/t Au over 1.22m
	1990	Melba Gold Ltd, Raven Resc Inc	Stripping, Sample rock	42A08SE0014	Leahy, M.	1990a	Several samples sub-gram. Several 1-5 g/t Au. Best sample 13 g/t Au.
	1995	Melba Gold Ltd	Prospecting	42A08SE0075	Leahy, M.	1995	
	1996	Jean-Guy St Pierre, Mario Gilbert, Richard Lavoie	Shaft dewatering, Stripping, Sample rock - Au	42A08SE2003	Kowalski, B.	1998	The Kinka Shaft was completely dewatered and resampled. Best assays obtained was 1.17 g/t Au across 1.82 m, 2.46 g/t Au over 0.45 m. Best grab from trenching was 2.74 g/t Au.
	1996	Raven Resc Inc	M, VLF, IP	42A08SE0129	Leahy, M.	1997	
	2006	Dianor Resc Inc	M	20000001989	Boileau, P.	2006	
	2006	Raven Resc Inc	Geochemical MMI (32)	20000001417	Leahy, M.	2006	Subtle Au correlations to potential pathfinder elements.
	2010	Raven Resc Inc	Geochemical MMI (56)	20000004744	LaRoque, D.G.	2010	Small recon survey. Inconclusive.
	2011	Raven Resources Inc	Geochemical MMI (129)	20000006797	LaRoque, D.G.	2011	Expanded survey really did not provide much encouragement.
	2011	Raven Resources Inc	M	20000006968	Ploeger, C.J.	2011	
	2018	Jonathan Paul Camilleri	IP	20000017246	Winter, L.D.S.	2019b	Readings were background. Recommends prospecting, sampling and
Northern	Year	Company	Work	AFRI	Author	Report Year	Notes
	1922	Challenger and Height of Land	Property Visit, Sample rock - Au	KL-1428	Rattray, J.H.	1922	Report mentions 'Jumbo' vein and 'Cabin' vein. Best was 13.6 g/t Au over 0.32 m.
	1937	Kinika Gold Mines Ltd.	Property Visit, Sample channel (12) - Au	KL-1428	Taylor, R.F.	1937	Report on sampling #1 Shaft (?) and workings.
	1962	Sogemines Development Company Ltd.	M, VLF	KL-0673	McLeod, H.D.	1962	No further work recommended
	1969	Duncan R Derry Ltd	VEM, M	42A01NE0024	Ward, J.T.	1969	No base metal targets located. Gold prospecting may be warranted along the margins of the diorite intrusives
	1970	Noranda Exploration Co	Line cutting, M, EM	42A01NE0023	LaFleche, G.	1971	Several weak conductors in a broad zone of mag high. Recommended mapping and possibly soil geochem
	1981	Cedar Ridge Expl Ltd	Prospectus	42A08SE0163	Cedar Ridge Explorations Ltd.	1981	
	1982	Cedar Ridge Expl Ltd	M, VLF	42A08SE0161	Bell, D.R.	1982	Areas of interest have overburden cover deeper than the reach of a backhoe. Recommend basal till sampling. No significant results.
	1985	C P Forbes	M	42A08SE0158	Forbes, C.P.	1985b	Recommends detailed mag over the entire property
	1985	D McCormack	Geochem till (3), Prospecting, Airphoto interpretation	42A08SE0153	McCormack, D.	1986	One sample contained 2 gold grains.
	1985	Goldstreet Resc Ltd, Longbow Lake Expl Synd, Premier Expl. Inc	Stripping, Trenching, Sample rock (59) Au, Mapping	42A01NE0020	Forbes, C.P.	1985a	Knoll, South Boundary, Toast and Jumbo veins stripped and samples. Best was 1 g/t Au. Historical sampling mentioned in report was much better.
	1985	Lac Minerals Ltd	M	42A08SE0027	Walker A.J.	1986a	Claim polygon may be 200 m too far north
	1985	Premier Explorations Inc	Prospecting, Sample rock (19) Au	42A08SE0160	Forbes, C.P.	1985d	Sampling of Knoll vein and Jumbo vein areas. No significant assays.
	1986	Lac Minerals Ltd	Line cutting, M	42A01NE0018	Walker A.J.	1986c	
	1986	Lac Minerals Ltd	Line cutting, M	42A08SE0156	Walker A.J.	1986d	
	1988	Glencairn Expl Ltd, Utah Mines Ltd	Line cutting, VLF, M, IP	42A08SE0151	Diorio, P.A.	1988	
	1989	A Merrick	DD(1)(154.57 m)	42A01NE0013	Merrick, A.	1989	No assay results
	1989	BHP-Utah Mines Ltd, Glencairn Expl Ltd	DD(9)(1209.22 m), Sample core	42A08SE0152	Houle, K.	1989	Drilled VLF and IP anomalies and mineralization at Kinka Shaft. No assays with logs.
	1990	A Merrick	Stripping	42A01NE0007	Merrick, A.	1990	Trench locations. No assaying.
	1992	A Merrick	VEM, M	42A01NE9807	Carmichael, S.J.	1992	
	1992	A Merrick	Vertical Gradient	42A01NE9902	Weller, W.K.	1993	
	1993	Lac Minerals Ltd	Geological Mapping	42A01NE9903	Gernundson, R.K. and Weller W.K.	1993	
	1994	T A Link	DD(1)(234.09 m), Sample core (24) - Au	42A01NE0047	Link, T.	1994	No significant results.
	1996	Raven Resc Inc	M, VLF, IP	42A08SE0129	Leahy, M.	1997	Best results in the area of the 1989 drill hole.
	1998	Barry McCombe, Douglas Robinson	Line cutting, Prospecting, Geological Mapping, MaxMin EM, M, Sample rock (7) Au	42A01NE2015	Robinson, D.R.	1999	No significant results.
	1999	Charles Edward Webster, Gene Sidney Shelp	Line cutting, VLF, M, Prospecting	42A08SE2007	Chartre, E. & Fraser, R.J.	1999	No samples taken.
	2006	Dianor Resc Inc	M	20000001989	Boileau, P.	2006	Looking for kimberlite. Suggest MMI follow-up. Report is 20003233.pdf
	2007	Gold Diamet Ltd	AM	20000000043	Boivin, M.	2007	Interpreted a ESE-trending main structure and some other smaller structures
	2007	Gold Diamet Resc Ltd	M	20000002495	Ploeger, C.J.	2007	Three mag anomalies identified corresponding to 3 small circular magnetic airborne anomalies.
	2008	Gold Diamet Resc Ltd	M	20000003192	Ploeger, C.J.	2008b	Survey to define an airborne circular magnetic anomaly. Appears to be a second one to the north of the first.
	2008	Gold Diamet Resc Ltd	DD(3)(606 m)	20000003471	Brown, P.A.R.	2008	No assay results.
	2018	Jonathan Paul Camilleri	IP	20000017246	Winter, L.D.S.	2019b	Readings were background. Recommends prospecting, sampling and geological mapping.
	1985-1986	Longbow Lake Expl Synd	OvD(54)(362.41 m), Sample till (54) - Au.	42A08SE0154	MacRae, W.	1986	Best was 2.74 g/t Au.

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Bastarache	Year	Company	Work	AFRI	Author	Report Year	Notes
	1962	Sogemines Development Company Ltd.	M, VLF	KL-0673	McLeod, H.D.	1962	No further work recommended
	1969	Duncan R Derry Ltd	VEM, M	42A01NE0024	Ward, J.T.	1969	
Roberge-Bourzyk	Year	Company	Work	AFRI	Author	Report Year	Notes
	1916	Bourzk-Mondoux	Sample rock (24) - Au	KL-0266	Dixon, S.W.	1916	Very illelgible.
	1974	Lynx-Canada Expl Ltd, New Inco Mines Ltd	DD(3)(361.49 m)	42A01NE0022	Archibald, G.F.	1974	No significant assays. No further work recommended.
	1990	J C Kiazzyk	Line cutting, VLF, Sample rock (5), DD(1)(35.05 m), Samples core (11)	42A01NE0008	Kiazzyk, J.C., And Otton, B.C.	1992	No significant results.
	1991	G Mullan	Sample rock (88) - Au	42A01NE0011	Mullan, G.J.	1991	Best assay from grabs was 0.48 g/t Au.
	1992	Trinity Explorations	Geology, Prospecting, Sample rock (7)	42A01NE9808	Mullan, G.J.	1993b	Not assayed for gold.
NE Maisonville	Year	Company	Work	AFRI	Author	Report Year	Notes
	1985	C P Forbes	M	42A08SE0158	Forbes, C.P.	1985b	
	1985	Premier Explorations Inc	M	42A08SE0159	Forbes, C.P.	1985c	
	1986	Granges Expl Ltd	DD(12)(887.57 m), Sample core - Au	42A08SE0182	Zimnoff, G.W.	1986	DDH Wolf 2 intersected 3.51 gpt Au 8.53m, DDH Wolf 12 intersected g/t Au
	1987	Rochon, D. Rochon, R.	Prospecting, Sample rock (24) Au	20000005019	Rochon, D. And Rochon, R.	1990	Best assay 0.579 ppm(?) Au.
	1988	Glencairn Expl Ltd, Utah Mines Ltd	Line cutting, VLF, M, IP	42A08SE0151	Diorio, P.A.	1988	
	1988	Villeneuve Resources Ltd	Linecutting, M, VLF	42A08SE0079	Thai, D.M.	1988	
	1990	Joutel-Canic Jv	VLF	42A08SE0176	Dymnt, L.M.	1990	
	1991	Canuc Resources Inc, Joutel Resources Ltd	AM, AEM, AVLF	42A08SE0126	McGuinity, W.J.	1992	
	1991	Joutel Resources Ltd	AM, AEM, AVLF	42A08SE0171	de Carle, R.J.	1991	
	1993	Joutel Resources Ltd	Prospecting, Sample rock (15) - Au, Ag, Cu, Pb, Zn	42A08SE9901	Benham, W.	1993	Selected samples from dump very high grade in Zn and Pb with subordinate Ag. A 60 cm wide polymetallic vein was trenced.
	1994	Joutel Resources Ltd	M, HLEM	42A08SE0036	Whelan, J.M.	1994	
	1997	Opawica Explorations Inc	Line cutting, M, HLEM	42A08SE2002	Brett, J.	1998	A moderately conductive horizon with a strike length of 640m and widths of 3 to 25 m is discernible. It is recommended that this conductor be drill-tested.
	2006	Dianor Resc Inc	M	20000001989	Boileau, P.	2006	
Leahy-Queenston-McDonnell	Year	Company	Work	AFRI	Author	Report Year	Notes
	1942	McDonell, J.	Property visit	KL-1809	McIlrastry, J.	1942	Assay of 1.142 g/t Au.
	1975	Texasgulf Canada Ltd	Line cutting, M, HLEM	42A01NE0066	Gasteiger, W.A.	1975	
	1980	Lacana Mining Corp	Line cutting, Max-Min	42A01NE0058	Wells, R.C.	1980a	
	1981	Lacana Mining Corp	M	42A01NE0056	Wells, R.C.	1980b	
	1983	Leschishin, O.	Trenching	KL-0190	Leschishin, E.	1983	
	1985	Glen Auden Resc Ltd	AM, AVLF	42A01NE0043	Barrie, C.Q.	1986	
	1985	Queenston Gold Mines Ltd	M, HLEM	42A01NE0049	Andersen, E.O.	1985	
	1986	Queenston Gold Mines Ltd	DD(2)(231.1 m)	KL-1599	Donner, K.	1986	No significant assays.
	1992	849261 Ontario Ltd	VLF, M	20000005015	Rapski, J.P.	1992	
	1995	Otis J Expl Ltd	IP	42A01NE0230	Anderson, S.	1995	
	1996	849261 Ontario Ltd	M, VLF	42A01NE0313	Carmichael, S.J.	1996b	
Glen-Auden-B	Year	Company	Work	AFRI	Author	Report Year	Notes
	1951	not applicable	Sample rock (1) - Cu, Ni	KL-0513	Savage, W.S	1952	No significant results
	1972	Imperial Oil Enterprises	DD(3)(245.06 m)	42A01NE0062	Baker, N.W.	1973	No assays. No further drilling planned
	1973	Imperial Oil Enterprises Ltd	Line cutting, HLEM	20000005014	Hasan, Z.	1973	
	1980	Rio Tinto Canadian Expl Ltd	Line-cutting, M, Max-Min	42A01NE0059	Beckmann, H.	1980	
	1983	Noranda Exploration Co	M, HLEM	42A01NE0051	Groves, B.	1983	
	1983	Noranda Exploration Co	OvD(33)(163.68 m)	42A01NE0054	LeBaron, P.S.	1983	No assay results
	1984	Noranda Exploration Co	IP	42A01NE0042	Groves, B.	1985a	
	1984	Noranda Exploration Co	Geological Mapping	42A01NE0050	LeBaron, P.S.	1985	
	1985	Glen Auden Resc Ltd	AM, AVLF	42A01NE0043	Barrie, C.Q.	1986	
	1985	Glen Auden Resc Ltd	Geological Mapping, Sample rock (71) - Au, Ag, Cu, Zn, Pb, Mo, As, Sb, W	42A01NE0044	Caira, N.	1985	Multiple >1 g/t Au samples. Best 32.9 g/t Au. Good report on geology and structure.
	1985	Noranda Exploration Co	M, VLF	42A01NE0048	Groves, B.	1985b	
	1986	Glen Auden Resc Ltd	DD(13)(1379.83 m), Sample core - Au	42A01NE0038	Caira, N.	1986	MGA-2-86: 3.874 g/t Au over 1.22 m, MGA-8-86: 1.646 g/t Au over 1.52m, MGA-11-86: intersected 3.684 g/t Au over 1.22m and MGA-13-86: intersected 0.930 g/t Au over 1.52 m
	1986	Glen Auden Resc Ltd	IP	42A01NE0039	Hodges, G.	1986	
	1995	Otis J Expl Ltd	IP	42A01NE0230	Anderson, S.	1995	
Glen-Auden-D	Year	Company	Work	AFRI	Author	Report Year	Notes
	1973	Imperial Oil Enterprises Ltd	Line cutting, HLEM	20000005014	Hasan, Z.	1973	
	1980	Rio Tinto Canadian Expl Ltd	Line-cutting, M, Max-Min	42A01NE0059	Beckmann, H.	1980	
	1990	Premier Explorations Inc	Stripping, Sample rock(64) - Au	42A01NE0033	Forbes, C.P.	1990	5 zones stripped. Best assay 78.45 g/t Au from Area E. 6 samples > 0.34 g/t Au.
	1995	Otis J Expl Ltd	IP	42A01NE0230	Anderson, S.	1995	
Pudden-Area#2	Year	Company	Work	AFRI	Author	Report Year	Notes
	1985	Glen Auden Resc Ltd	AM, AVLF	42A01NE0043	Barrie, C.Q.	1986	
Imperial	Year	Company	Work	AFRI	Author	Report Year	Notes
	1987	Noranda Exploration Co	DD(2)(318.82 m), Sample core (34) - Au	42A01NE0041	Babin, T	1986	No significant results
	1995	Otis J Expl Ltd	IP	42A01NE0230	Anderson, S.	1995	

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Baratarache	Year	Company	Work	AFRI	Author	Report Year	Notes
	1962	Sogemines Development Company Ltd.	M, VLF	KL-0673	McLeod, H.D.	1962	No further work recommended
	1969	Duncan R Derry Ltd	VEM, M	42A01NE0024	Ward, J.T.	1969	
Roberge-Bourzyk	Year	Company	Work	AFRI	Author	Report Year	Notes
	1916	Bourzk-Mondoux	Sample rock (24) - Au	KL-0266	Dixon, S.W.	1916	Very illelgible.
	1974	Lynx-Canada Expl Ltd, New Inesco Mines Ltd	DD(3)(361.49 m)	42A01NE0022	Archibald, G.F.	1974	No significant assays. No further work recommended.
	1990	J C Kiazyk	Line cutting, VLF, Sample rock (5), DD(1)(35.05 m), Samples core (11)	42A01NE0008	Kiazyk, J.C., And Otton, B.C.	1992	No significant results.
	1991	G Mullan	Sample rock (88) - Au	42A01NE0011	Mullan, G.J.	1991	Best assay from grabs was 0.48 g/t Au.
	1992	Trinity Explorations	Geology, Prospecting, Sample rock (7)	42A01NE9808	Mullan, G.J.	1993b	Not assayed for gold.
NE Maisonville	Year	Company	Work	AFRI	Author	Report Year	Notes
	1985	C P Forbes	M	42A08SE0158	Forbes, C.P.	1985b	
	1985	Premier Explorations Inc	M	42A08SE0159	Forbes, C.P.	1985c	
	1986	Granges Expl Ltd	DD(12)(887.57 m), Sample core - Au	42A08SE0182	Zhitnoff, G.W.	1986	DDH Wolf 2 intersected 3.51 gpt Au 8.53m, DDH Wolf 12 intersected g/t
	1987	Rochon, D, Rochon, R.	Prospecting, Sample rock (24) Au	2000005019	Rochon, D. And Rochon, R.	1990	Best assay 0.579 ppm(?) Au.
	1988	Glencairn Expl Ltd, Utah Mines Ltd	Line cutting, VLF, M, IP	42A08SE0151	Diorio, P.A.	1988	
	1988	Villeneuve Resources Ltd	Linecutting, M, VLF	42A08SE0079	Thai, D.M.	1988	
	1990	Joutel-Camac Jv	VLF	42A08SE0176	Dymont, L.M.	1990	
	1991	Canuc Resources Inc, Joutel Resources Ltd	AM, AEM, AVLF	42A08SE0126	McGuinty, W.J.	1992	
	1991	Joutel Resources Ltd	AM, AEM, AVLF	42A08SE0171	de Carle, R.J.	1991	
	1993	Joutel Resources Ltd	Prospecting, Sample rock (15) - Au, Ag, Cu, Pb, Zn	42A08SE9901	Behnam, W.	1993	Selected samples from dump very high grade in Zn and Pb with subordinate Ag. A 60 cm wide polymetallic vein was trenced.
	1994	Joutel Resources Ltd	M, HLEM	42A08SE0036	Whelan, J.M.	1994	
	1997	Opawica Explorations Inc	Line cutting, M, HLEM	42A08SE2002	Brett, J.	1998	A moderately conductive horizon with a strike length of 640m and widths of 3 to 25 m is discernible. It is recommended that this conductor be drill-tested.
	2006	Dianor Resc Inc	M	20000001989	Boileau, P.	2006	
Leahy-Queenston-McDonnell	Year	Company	Work	AFRI	Author	Report Year	Notes
	1942	McDonell, J.	Property visit	KL-1809	McLaistry, J.	1942	Assay of 1.142 g/t Au.
	1975	Texasgulf Canada Ltd	Line cutting, M, HLEM	42A01NE0066	Gasteiger, W.A.	1975	
	1980	Lacana Mining Corp	Line cutting, Max-Min	42A01NE0058	Wells, R.C.	1980a	
	1981	Lacana Mining Corp	M	42A01NE0056	Wells, R.C.	1980b	
	1983	Leschishin, O.	Trenching	KL-0190	Leschishin, E.	1983	
	1985	Glen Auden Resc Ltd	AM, AVLF	42A01NE0043	Barrie, C.Q.	1986	
	1985	Queenston Gold Mines Ltd	M, HLEM	42A01NE0049	Andersen, E.O.	1985	
	1986	Queenston Gold Mines Ltd	DD(2)(231.1 m)	KL-1599	Domer, K.	1986	No significant assays.
	1992	849261 Ontario Ltd	VLF, M	20000005015	Rapski, J.P.	1992	
	1995	Otis J Expl Ltd	IP	42A01NE0230	Anderson, S.	1995	
	1996	849261 Ontario Ltd	M, VLF	42A01NE0313	Carmichael, S.J.	1996b	
Glen-Auden-B	Year	Company	Work	AFRI	Author	Report Year	Notes
	1951		Sample rock (1) - Cu, Ni	KL-0513	Savage, W.S	1952	No significant results
	1972	Imperial Oil Enterprises	DD(3)(245.06 m)	42A01NE0062	Baker, N.W.	1973	No assays. No further drilling planned
	1973	Imperial Oil Enterprises Ltd	Line cutting, HLEM	20000005014	Hasan, Z.	1973	
	1980	Rio Tinto Canadian Expl Ltd	Line-cutting, M, Max-Min	42A01NE0059	Beckmann, H.	1980	
	1983	Noranda Exploration Co	M, HLEM	42A01NE0051	Groves, B.	1983	
	1983	Noranda Exploration Co	OvD(33)(163.68 m)	42A01NE0054	LeBaron, P.S.	1983	No assay results
	1984	Noranda Exploration Co	IP	42A01NE0042	Groves, B.	1985a	
	1984	Noranda Exploration Co	Geological Mapping	42A01NE0050	LeBaron, P.S.	1985	
	1985	Glen Auden Resc Ltd	AM, AVLF	42A01NE0043	Barrie, C.Q.	1986	
	1985	Glen Auden Resc Ltd	Geological Mapping, Sample rock (71) - Au, Ag, Cu, Zn, Pb, Mo, As, Sb, W	42A01NE0044	Caira, N.	1985	Multiple >1 g/t Au samples. Best 32.9 g/t Au. Good report on geology and structure.
	1985	Noranda Exploration Co	M, VLF	42A01NE0048	Groves, B.	1985b	
	1986	Glen Auden Resc Ltd	DD(13)(1379.83 m), Sample core - Au	42A01NE0038	Caira, N.	1986	MGA-2-86: 3.874 g/t Au over 1.22 m, MGA-8-86: 1.646 g/t Au over 1.52m, MGA-11-86: intersected 3.684 g/t Au over 1.22m and MGA-13-86: intersected 0.930 g/t Au over 1.52 m
	1986	Glen Auden Resc Ltd	IP	42A01NE0039	Hodges, G.	1986	
	1995	Otis J Expl Ltd	IP	42A01NE0230	Anderson, S.	1995	
Glen-Auden-D	Year	Company	Work	AFRI	Author	Report Year	Notes
	1973	Imperial Oil Enterprises Ltd	Line cutting, HLEM	20000005014	Hasan, Z.	1973	
	1980	Rio Tinto Canadian Expl Ltd	Line-cutting, M, Max-Min	42A01NE0059	Beckmann, H.	1980	
	1990	Premier Explorations Inc	Stripping, Sample rock(64) - Au	42A01NE0033	Forbes, C.P.	1990	5 zones stripped. Best assay 78.45 g/t Au from Area E. 6 samples > 0.34 g/t Au.
	1995	Otis J Expl Ltd	IP	42A01NE0230	Anderson, S.	1995	
Pudden-Area#2	Year	Company	Work	AFRI	Author	Report Year	Notes
	1985	Glen Auden Resc Ltd	AM, AVLF	42A01NE0043	Barrie, C.Q.	1986	
Imperial	Year	Company	Work	AFRI	Author	Report Year	Notes
	1987	Noranda Exploration Co	DD(2)(318.82 m), Sample core (34) - Au	42A01NE0041	Babin, T	1986	No significant results
	1995	Otis J Expl Ltd	IP	42A01NE0230	Anderson, S.	1995	

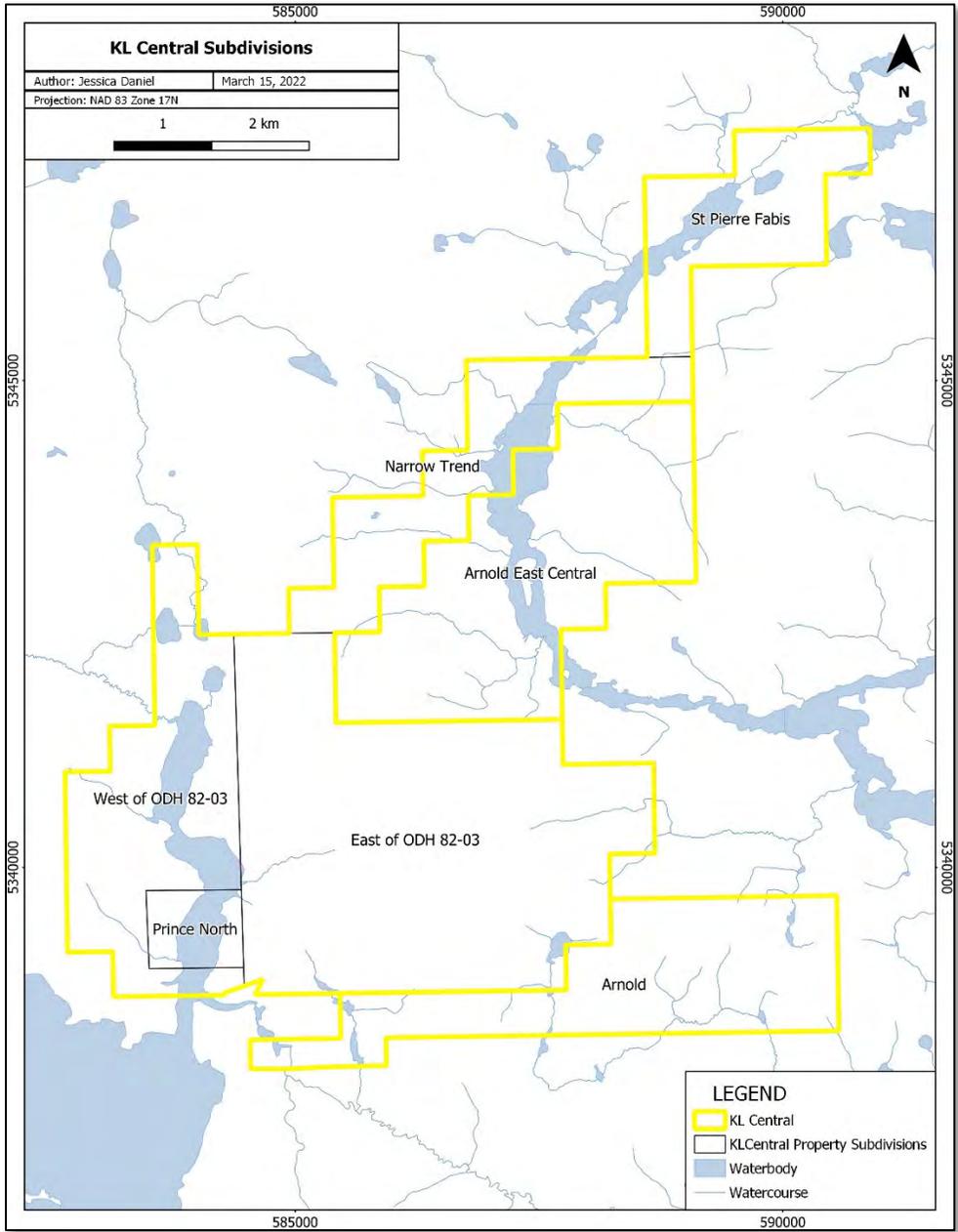
Highlights of the exploration efforts include:

- At the Dobos Showing, drilling by Consolidated Beaumont Resources in 1974 in 8 diamond drill holes totaling 871.73m reported **8.22 g/t Au over 1 m, 10.28 g/t Au over 1.37m and 4.97 g/t Au over 1.89 m**. The assay results are not included in the drill logs but mentioned in a prospectus (AFRI 42A08SE0168).
- At the Dobos Showing, stripping and sampling by Mike Leahy for Nordex Explosives Ltd. in 1990 returned a dump sample assay result of **6.72 g/t Au**. Other grab samples from their stripping program returned **3.14 g/t Au and 2.82 g/t Au** with 30 other grab samples registering between 100 and 1000 ppb Au. Mineralization was associated with a silicified and quartz veined shear zone with fine disseminated 1-2% pyrite hosted in gabbro (AFRI 42A08SE0014).
- Drilling by Glen Auden Resources in the Glen-Auden B block in 1986 through 13 diamond drill holes totaling 1,379.83 m returned intersections of **3.874 g/t Au over 1.22 m in DH MGA-2-86: 1.646 g/t Au over 1.52 m in DH MGA-8-86: 3.684 g/t Au over 1.22 m in MGA-11-86 and, 0.930 g/t Au over 1.52 m in MGA-13-86**. Most of the drillholes were drilled to test several areas of mineralization on the property within cherty sulphide facies exhalative horizons, north-south trending shear zones and within quartz-carbonate stringer zones within iron-rich tholeiitic basalts and feldspar porphyries (crystal tuffs). Several of the holes were drilled to test known IP anomalies coincident with gold occurrences (AFRI 42A01NE0038).

## **6.6 EXPLORATION HISTORY OF THE KL CENTRAL BLOCK**

The KL Central Block has a varied exploration history utilizing many of the same exploration tools as the KL West Block. It is not in the context of this report to detail every program, but to give an overview in a concise format. Thus, the KL Central Block has been broken into informal subdivisions (Figure 6.9) with a summary of exploration history presented in table form (Table 6.3).

**Figure 6.9** Informal subdivisions of the KL Central claim group.



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**Table 6.3** Summary of exploration history of the KL Central claim group.

St Pierre Fabis	Year	Company	Work	AFRI	Author	Report Year	Notes
	1948	St. Pierre	Property Visit	KL-2801	Savage, W.S.	1948	Mineralization described as quartz and pyrite in intermediate volcanics. Assays mentioned include 0.686 g/t Au and 7.837 g/t Au.
	1964	ODM	Geological Mapping		Hogg, W.A.	1964	
	1977	Walsh, M.H.	Stripping	KL-2450	Walsh, M.H.	1977	Map shows location of stripped areas within the claim.
	1979-1983	OGS	Overburden Sampling				
	1979-1983	OGS	AM, AEM				
	1979-1980	OGS	Quaternary Mapping		Baker, C.L.	2000	
	1980	Lacana Mining Corp	M, VLF	32D05SW0069	Wells, R.C.	1980a	
	1980	D James	HLEM	32D05SW0070	Wells, R.C.	1981b	No significant conductors on the property.
	2000	OGS	Geological Compilation		Ayer, J.A., Trowell, N.F. and Josey, S.	2004	
	2000	OGS	Kimberlite compilation		Sage, R.P.		
	2003	OGS	AM, AEM				
Arnold	Year	Company	Work	AFRI	Author	Report Year	Notes
	1964	Upper Canada Mines Ltd	AEM	32D04NE0068	Wieduwilt, W.G.	1964	
	1964	ODM	Geological Mapping		Hogg, W.A.	1964	
	1971	Upper Canada Mines Ltd	Litho geochemistry-Hg	32D04NE0101	Maingot, P.	1971	
	1981-1982	Tower Gold Resc Ltd	Geological Compilation	32D04NW0122	Ploeger, F.R.	1981	
	1985	Lac Minerals Ltd	M	32D04NE0046	Walker, A.J.	1985	
	1992-1993	Sudbury Contact Mines Ltd, Techterrex Inc	Geological Mapping	32D12SE2001	Jamieson, D.R.	1993	
	1993-1994	Sudbury Contact Mines Ltd	OvD(23)(326 m), Geochem Till (gold grain count)	32D04NE0050	Jamieson, D.R. and Knowles, R.	1994	3 holes in Arnold Twp. Hole KO-93-2 recovered 5 rounded gold grains.
	1994	Sudbury Contact Mines Ltd	Line cutting, M, VLF	32D04NW0247	Fraser, D. and Webster, B.	1994	
	1994	Sudbury Contact Mines Ltd	DD(11)(4169.5 m),	32D04NW0237	Christie, D.W., Jamieson, D.R. and Montgomery, J.K.	1995	DDH C94-16 returned 1.83 g/t Au over 1.5m – drilling just south of KL Central
	2000	OGS	Kimberlite compilation		Sage, R.P.	2000	
	2014-2015	Gordon A Hume	Prospecting, M, Sample (9)-Au	20000008752	Stone, G.A.	2015	No significant results.
Prince North	Year	Company	Work	AFRI	Author	Report Year	Notes
	1994	Prince Gold Corp	M, IP	32D04NW0221	Webster, B.	1994	Recommended further work on 5 IP anomalies
	1994	Prince Gold Corp	DD(3)(541.2 m),	32D04NW0356	Harron, G.A.	1994	DDH A94-1 4.017 g/t Au over 0.1 m
	1995	Prince Gold Corp	DD(3)(616.0 m), Sample Au	32D04NW0227	Harron, G.A.	1995	Highlights of 5.5 g/t Au over 0.21 m in hole A95-1.
	2013	A4 Diamonds	M	20000008592	Ploeger, C.J.	2013	
Narrow Trend	Year	Company	Work	AFRI	Author	Report Year	Notes
	1981	R N Saukko	M, VLF, Line cutting	32D04NW0046	Saukko, R.N.	1981a	No significant conductors detected and no further work recommended.
	1983	A Merrick	DD(4)(798.58 m)	32D04NW0038	Guindon, D.	1983a	Four diamond drill holes. No assays recorded.
	1984	A Merrick	DD(3)(465.12 m)	32D04NW0035	Guindon, D.	1984b	Three drill holes. No assays recorded.
	1986	A Merrick	AM, AVLF	32D04NW0030	Adomaitis, P.	1986	
	1986	Lac Minerals Ltd	M	32D04NW0031	Walker, A.J.	1986d	
	1987	Lac Minerals Ltd	DD(1)(81.08 m)	32D04NW0021	Kovala, J.	1987c	One diamond drill hole and one extension. No assay data.
	1989	A Merrick	DD(1)(182.58 m)	32D04NW0010	Guindon, D.	1989a	One diamond drill hole. No assay data.
	1991	A Merrick	Geological mapping, M, VLF	32D04NW0003	Maheed-Greer, M.	1991	
	1995	A Merrick	Line cutting, IP	32D04NW0365	Fraser, D. and Webster, B.	1995	Surveys identified 17 VLF anomalies.
	1995	Seal River Expl Ltd	M, VLF, Line cutting	32D04NW0204	Sharpley, F.J.	1995	Several conductors may represent structures off the Murdoch Creek Fault Zone.
	1996	A Merrick	Line cutting, M, VLF, Geological mapping	32D05SW0063	Weller, W.K.	1996	7 VLF anomalies.
	1998	A Merrick	DD(4)(292.61 m), Sample	32D04NW2017	Horne, J.D.	1998	No significant results.

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East of ODH 82-03	Year	Company	Work	AFRI	Author	Report Year	Notes
	1964	Upper Canada Mines Ltd	AEM	32D04NE0068	Wieduwilt, W.G.	1964	No anomalies in Arnold.
	1969	Palco Expl Ltd	M, VLF, Line cutting	32D04NW0049	Szetu, S.S.	1969	Surveys over kettle lakes. No indication they are kimberlites.
	1986	A Merrick	AM, AVLF	32D04NW0030	Adonaitis, P.	1986	
	1986	Lac Minerals Ltd	M	32D04NW0027	Walker, A.J.	1986b	
	1986	Lac Minerals Ltd	M	32D04NW0024	Walker, A.J.	1986a	
	1987	Lac Minerals Ltd	M	32D04NW0026	Walker, A.J.	1987a	
	1988	Lac Minerals Ltd	VLF	32D04NW0019	Kovala, J.	1988a	
	1993	A Merrick	M, VLF, Geological mapping	32D04NW9056	Germondson, R.K.	1993	
	1993	M Leahy	OvD(3)( m), Heavy Mineral Identification (21)	32D04NW0183	Leahy, M.	1993	No basal till was encountered.
	1994	A Merrick	M, VLF, Line cutting, Geological mapping	32D04NW0045	Weller, W.K.	1994a	
	1994	A Merrick	Line cutting, M, VLF	32D04NW0249	Weller, W.K.	1994b	
	1996	Arnold Merrick	DD(1)(241.40 m)	32D04NW0380	McCormack, D.	1996	No assay results.
	2006	C14 Minerals Inc	M	20000001840	Kryklywy, K.	2006	
West of ODH 82-03	Year	Company	Work	AFRI	Author	Report Year	Notes
	1964	ODM	Geological Mapping		Hogg, W.A.	1964	
	1980	Rosario Resc Canada Ltd	Geological mapping, M, VLF, Sample	32D04NW0043	Markov, R.A.	1980	Four holes drilled but only 2 near KL Central. No significant results.
	1981	Falconbridge Nickel Mines	M, VLF, Line cutting	32D04NW0047	Saukko, R.N.	1981b	
	1982	Monopros Ltd	AEM, AM	32D04NW0037	Hogg, R.L.S.	1982	Several low conductance anomalies. Several isolated mag anomalies.
	1984-1985	Monopros Ltd	M, Gravity, IP, Resistivity, Line cutting, OvD(5)(233.4 m), Sample core - diamonds	32D04NW0025	Boucher, D. and Skublak, W.	1985	Magnetic survey indicates 3 anomalies. Overburden holes 84-13-01, 84-13-02 and 84-13-03 intersected kimberlite. These are the A4 and A4 South pipes. Five diamonds were recovered A4 kg of kimberlite.
	1985	A Merrick	DD(2)(165.20 m)	32D04NW0034	Guindon, D.	1985	No assays reported.
	1986	Lac Minerals Ltd	M	32D04NW0029	Walker, A.J.	1986c	
	1988	A Merrick	DD(2)(202.39 m)	32D04NW0017	Guindon, D.	1988b	No assays reported.
	1988	Lac Minerals Ltd	VLF	32D04NW0022	Whelan, J.	1988	
	1989	A Merrick	DD(1)(276.45 m)	32D04NW0011	Guindon, D.	1989b	No assays reported.
	1990	Pamorex Minerals Inc, Unknown	Compilation, Prospecting, Stripping, Sample	32D04NW0174	Leonard, B.C.	1990	Best assay 6.17 g/t Au.
	1994	Kalahari Resc Inc	Line cutting, IP, M, VLF	32D04NW0290	Kozel, J.	1994	
	1994-1995	Kalahari Resc Inc, Kennecott Canada Inc	IP, M, VLF	32D04NW0324	Boileau, P. and Lortie, P.	1995	
	1997	A Merrick	DD(1)(222.81 m), Sample	32D04NW2009	McCormack, D.	1997	No significant results.
	2002-2004	Kirkland Lake Minerals Inc	Line cutting, M	32D04NW2050	Robinson, D.	2004	
	2002-2004	Kirkland Lake Minerals Inc	LC, MAG	32D04NW2054	Robinson, D.	2003	
	2010	A4 Diamonds Inc	Sample rock (3)-Au, Sample soil (7)-Au	20000004621	O'Connor, T.	2010	
	2011	A-1 Diamonds Inc, A4 Diamonds Inc	M, VLF	20000006543	Ploeger, C.J.	2011	
	2014	A4 Diamonds Inc	M, VLF	20000008156	Ploeger, C.J.	2014a	
	2014	A4 Diamonds Inc	M	20000008551	Ploeger, C.J.	2014c	
	2019	Mario Francois Cloutier	Sample soil (3)-Au, Sample rock (1)-Au	20000018708	Eves, D.W.	2019	No significant results.
Arnold East-Central	Year	Company	Work	AFRI	Author	Report Year	Notes
	1983b	Guindon, D.	DD(1)(168.55 m)	32D04NW0039	Guindon, D.	1983b	No assay data.
	1991	Mahood-Greer, M.	Geological mapping, M, VLF	32D04NW0003	Mahood-Greer, M.	1991	
	1995	Fraser, D. and Webster, B.	Line cutting, IP	32D04NW0365	Fraser, D. and Webster, B.	1995	

Highlights of the exploration efforts include:

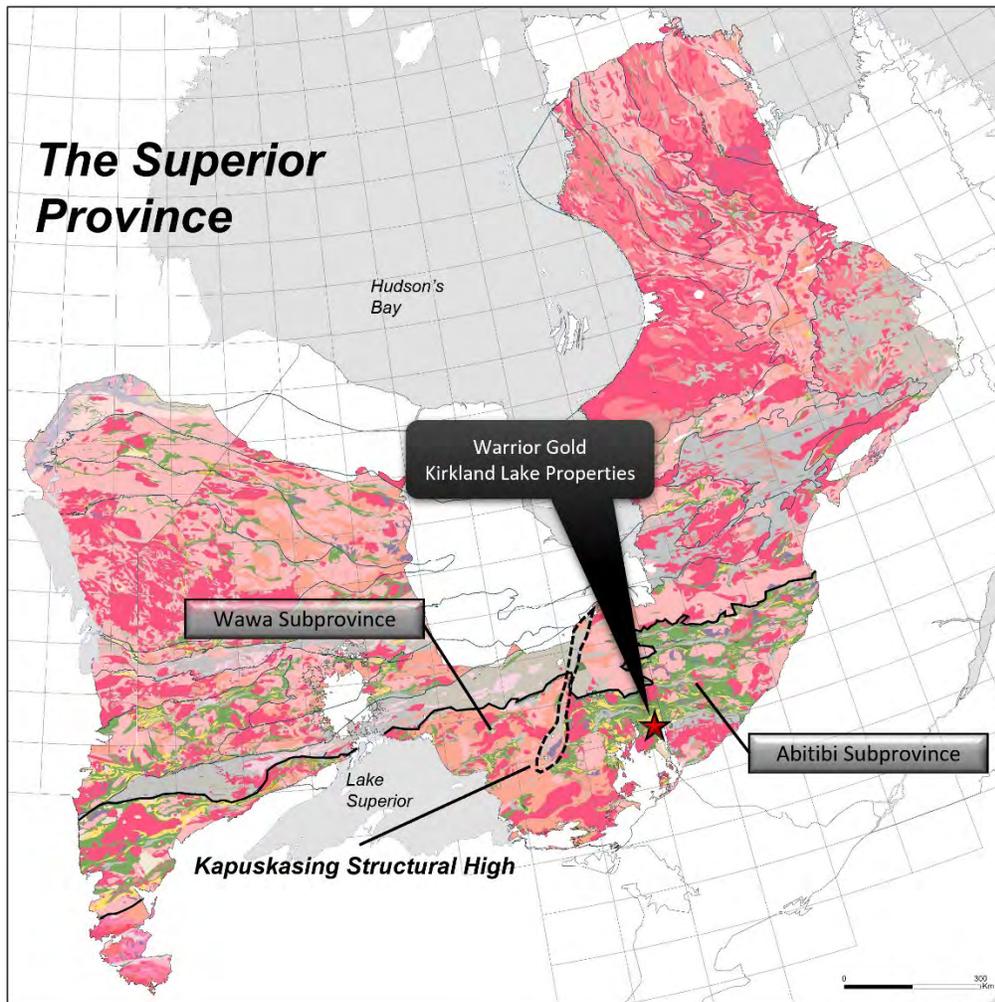
- In the St Pierre-Fabis block, the St. Pierre Company in 1948 report mineralization associated with quartz and pyrite in intermediate volcanics. Assays mentioned include **0.686 g/t Au and 7.837 g/t Au** (AFRI KL-2801, Recorder's office).
- In the Arnold block Sudbury Contact Mines in 1994 reported 5 rounded gold grains in overburden hole KO-93-2 (AFRI 32D04NE0050).
- In the Prince North block, Prince Gold Corp. drilled 3 diamond drill holes totaling 616 m in 1995. Highlights include **5.5 g/t Au over 0.21 m** in hole A95-1 (AFRI 32D04NW0227).

## 7.0 GEOLOGICAL SETTING AND MINERALIZATION

### 7.1 REGIONAL GEOLOGY

The Warrior Gold Properties are located in the Abitibi Subprovince within the Superior Province of Canada, which spans the provinces of Manitoba, Ontario and Quebec (Figure 7.1). The Superior Province is the largest coherent Archean craton in the world, formed between 4.3 and 2.6 Ga. It consists of a wide variety of intrusions, mainly felsic, sedimentary basins, and greenstone belts. The Superior Province has been previously subdivided into subprovinces based on lithological characteristics (Card and Ciesielski, 1986), and recently in superterranes, terranes and domains separated by major structures (Stott et al., 2010).

*Figure 7.1 Regional geological location of the Kirkland Lake Properties. Source OGS.*

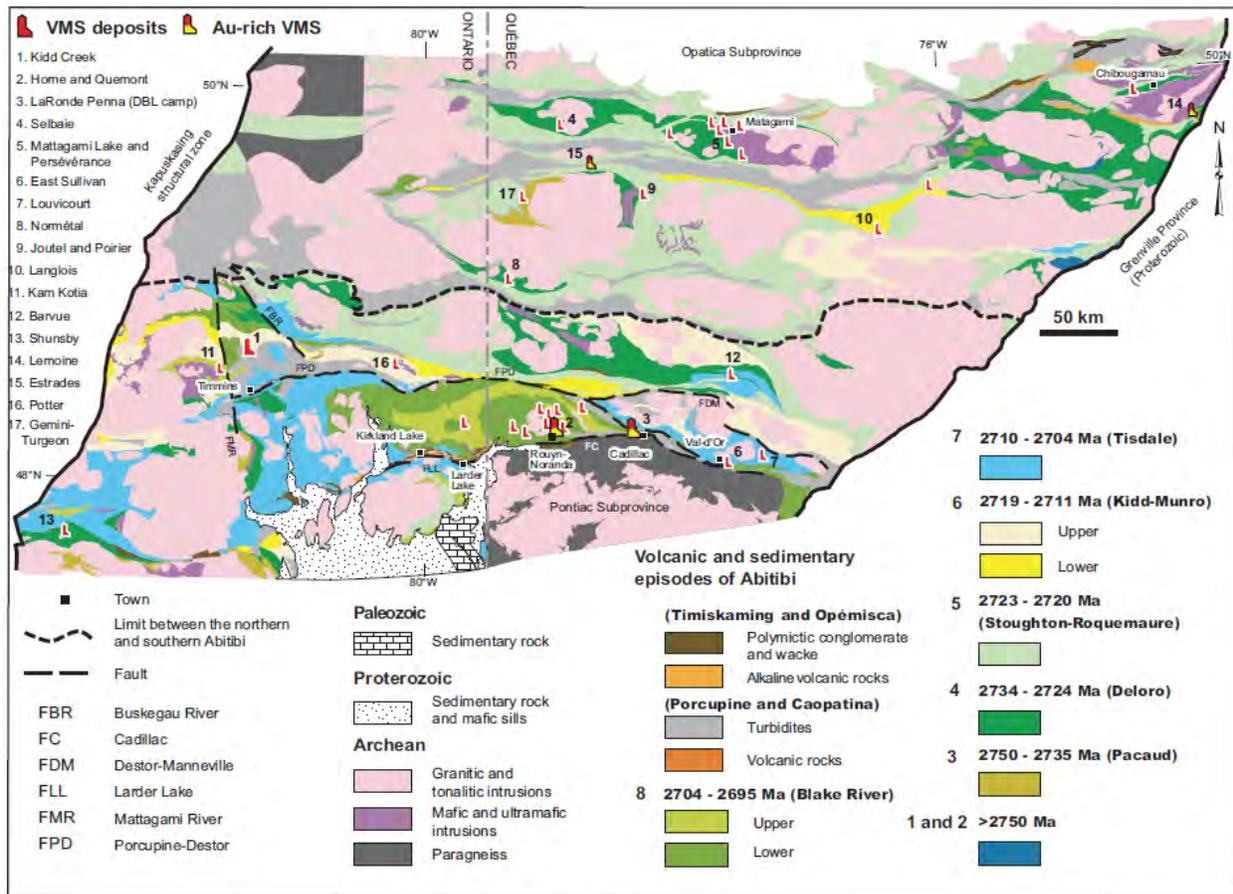


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The Properties are hosted within the Blake River Group (BRG) of the Abitibi greenstone belt. The Blake River Group is the youngest volcanic sequence of the Abitibi greenstone belt (AGB), the largest greenstone belt in the World (lozenge shape 310 km × 720 km). The AGB is known for its unique endowment in VMS deposits, Ni-Cu-PGE magmatic deposits, and orogenic gold deposits among others (Ayer et al., 2002; Thurston et al., 2008)

The AGB was formed over a period that spans approximately 150 Ma (2790-2640 Ma). It has been subdivided into eight episodes of major submarine volcanic activity based on recent regional and detailed mapping and compilation (Figure 7.2). The 2704-2695 Ma volcanic episode represents the richest in terms of total accumulation of metals.

**Figure 7.2.** Map of volcanic and sedimentary episodes of the Abitibi greenstone belt. Source Mercier-Langevin et al. 2011.



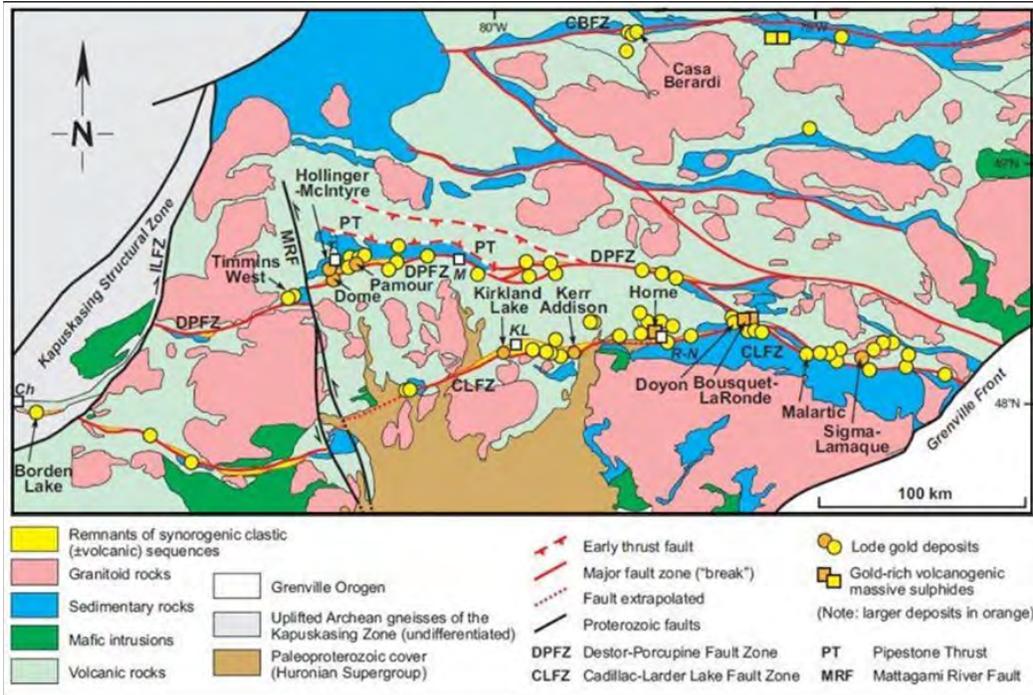
The BRG consists of a number of submarine volcanic and volcanoclastic sequences. The volcanic rocks are predominantly bimodal in composition (basalt – basaltic andesite – andesite versus rhyodacite – rhyolite). Some volcanoclastic units are pyroclastic in origin

but most result from flow fragmentation with varying importance of transport processes (Ross et al., 2007; Mercier-Langevin et al., 2008;). Primary textures and volcanic-volcaniclastic facies are generally very well preserved in the BRG considering the fact that these rocks are Archean in age.

The BRG is also locally discordantly overlain by the polymictic conglomerates and alkalic volcanic rocks of the Timiskaming Group (~2680 to 2669 Ma, Goutier et al., 2009b), and by the Proterozoic conglomerates of the Cobalt Group. Some Archean synvolcanic (gabbro, diorite, tonalite) and syntectonic intrusions (syenite, diorite, granodiorite, granite), and Proterozoic gabbro dykes (diabase) cut the Blake River Group volcanic rocks.

The BRG is bounded by two major fault zones: the Porcupine-Destor fault zone to the north and the Cadillac-Larder Lake fault zone to the south. The Kirkland Lake area is one of the most prolific mining districts in Ontario. The district is characterized by the occurrence of structurally controlled gold deposits, with a past production of >30 Moz. The primary structure hosting gold is known as the 'Main Break' (or the Kirkland Lake Fault), which represents a second order splay of the Cadillac-Larder Lake deformation zone (CLLdz). The CLLdz is a crustal scale structure that extends for 100s of kms along strike from Matachewan, Ontario to Val d'Or, Quebec and is associated with numerous gold deposits along its length (Robert, 1989; Ispolatov et al., 2008; Lafrance, 2015) (Figure 7.3). Typically, gold deposits do not occur within the CLLdz itself, but are hosted by second- to third-order, brittle-ductile deformation zones within 2-10 kilometers from the CLLdz (Robert et al., 1995). The Property lies 5-7 km north of the CLLdz and the KL Central hosts the extension of the Kirkland Lake Fault.

**Figure 7.3** Major crustal scale fault zones and associated district scale gold camps of the Abitibi greenstone belt.



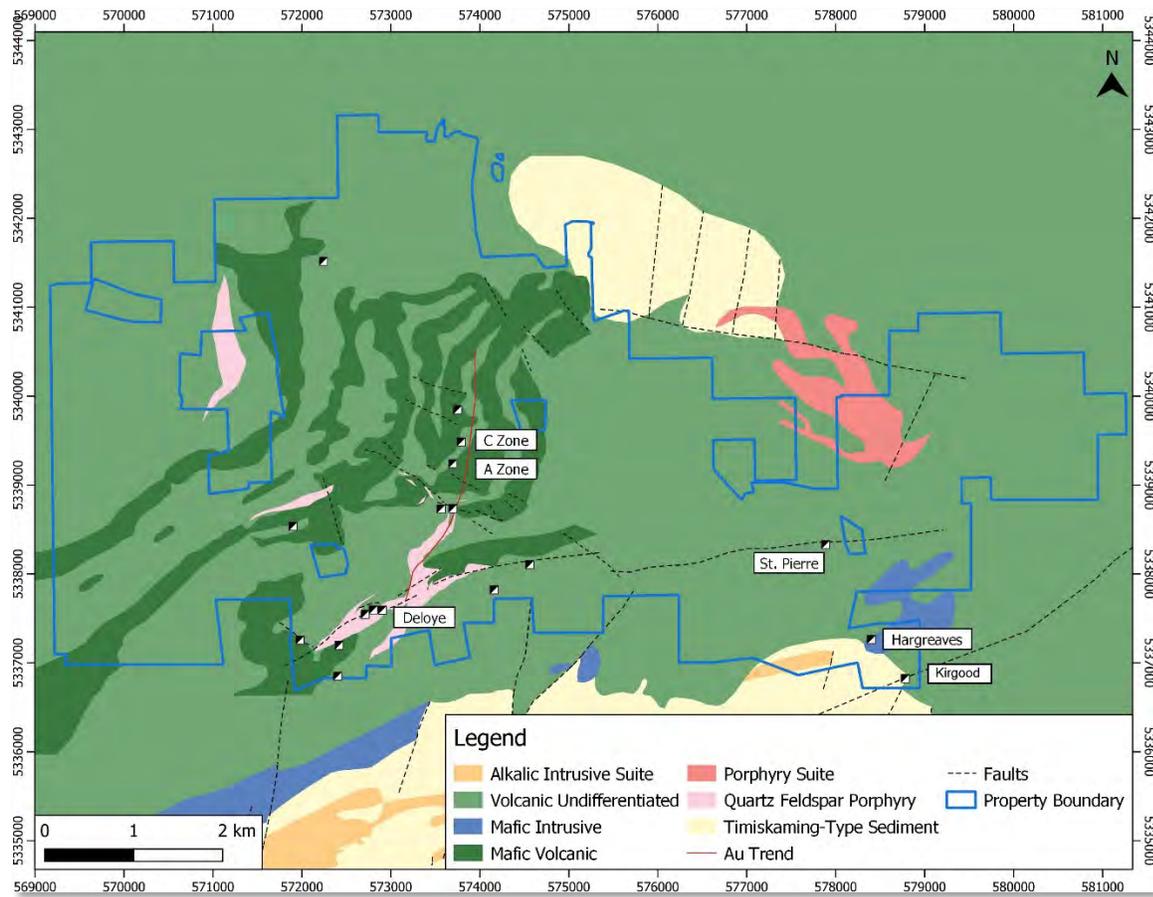
## 7.2 PROPERTY GEOLOGY

Due to the extensive land holdings of the Property, the geological setting will be discussed separately for each block. The Property lies within the Blake River Group, which is subdivided into the Lower Blake River Assemblage and the Upper Blake River Assemblage. Different structural features are also pertinent to each claim group, and each block has its unique style of mineral deposits.

### 7.2.1 GEOLOGY OF THE GOODFISH-KIRINA CLAIM GROUP

The GK group geology is dominated by iron tholeiitic mafic volcanic flows of the Blake River Assemblage. Subordinate magnesium tholeiitic mafic volcanic flows of the Tisdale Assemblage and Timiskaming clastic sediments are also present on the property. All stratigraphic units are crosscut by feldspar porphyry dykes. There is also evidence of mafic to ultra-mafic rocks in the form of synvolcanic gabbroic sills and possible late lamprophyre dykes (Figure 7.4).

Figure 7.4 Geology of the Goodfish-Kirana Property.



Exploration efforts by Warrior Gold have been concentrated in the area of the Goodfish Trend. The Author feels that the geological setting along this trend is important and pertinent to the block.

### *Fe-Tholeiites*

Iron-bearing mafic volcanic flows (Fe-tholeiites) are the dominant rock type on the claim group. This unit occurs as massive and commonly pillowed, variolitic and as interflow, or flow top breccia.

Massive Fe-tholeiites are commonly fine grained and green-grey in colour. They typically are weakly to strongly magnetic, with magnetic destruction associated with alteration and bleaching. Massive Fe-tholeiites commonly have a strong carbonatized groundmass in the form of a calcium-bearing or iron-bearing carbonate. Massive Fe-tholeiites are commonly affected by varying intensity of late quartz-carbonate filled tension gashes, veinlets, veins, discontinuous fractures and coarse centimetre-scale clots or aggregates. Massive flows

can host variable hematite alteration of the groundmass resulting in a deep purple colour with a common overprint of greenschist facies chlorite alteration.

Pillow selvages are also commonly strained as the pillows are dense and compact. Sheared selvages are commonly associated with quartz-carbonate and sericite and the pillowed unit can appear as a crudely banded unit.

Interflow breccias or flow top breccias can be sub-metre in width or occur over several metres. These units are typified with millimetre to several centimetre fragments of host rock in a ferro-magnesium matrix (dominated by chlorite). As with the pillow selvages, breccia units can contain abundant quartz-carbonate clots and aggregates in the matrix with subordinate patches of pyrite plus or minus silica-carbonate flooding. Flow top breccias are commonly sheared and foliated to various intensities with the addition of Fe-carbonate and strong sericite alteration and later quartz-carbonate fracture filling along foliation planes. Fine disseminated pyrite from 1-5% can also occur along foliation planes.

### ***Mg-tholeiites***

Magnesium-bearing mafic volcanics (Mg-tholeiites) are the other dominant lithology in the GK group. This unit can be massive, pillowed and variolitic with flow top or interflow breccias.

The Mg-tholeiites are typically fine to medium grained, grey-green in colour to almost a blue-grey colour locally. This unit is non-magnetic and carbonatization of the groundmass is not as common as in the Fe-tholeiites but does occur. Alteration distinguishing it from the Fe-tholeiites is local fine disseminations of leucoxene (after primary magnetite) and local epidote alteration as fracture fillings and associated with large local aggregates of quartz-carbonate. Hematite alteration has been observed along fractures and joints.

The pillowed margins in the Mg-tholeiites can be sharp or blurred, but generally are not as distinguishable in the core as in the Fe-tholeiites. Pillow selvages are commonly filled with chlorite and strong carbonate and quartz. Mg-tholeiites appear to be more susceptible to stress and appear to have more late quartz-carbonate tension gashes, veinlets, veins, clots, and aggregates than the Fe-tholeiites.

Interflow breccias in the Mg-tholeiites are not as pronounced as in the Fe-tholeiite and are commonly comprised of fragments of host rock with rare small pillows present. Both the breccia matrix and pillow selvages are replaced or contain quartz-carbonate, weak chlorite and weak sericite alteration. Late quartz carbonate occurs as tension gashes, patchy clots and veinlets.

### ***Feldspar Porphyry***

The GK claim group has several dyke-like intrusions of feldspar porphyry of varying widths from sub-metre to several tens of metres wide. Porphyries commonly cross-cut stratigraphy. Two varieties are recognizable in the form of quartz-feldspar porphyry and feldspar porphyry.

The quartz-feldspar porphyry is typically coarse grained and commonly bleached to a buff-beige colour. Primary porphyritic textures can be partially to strongly diffused and destroyed. Rounded to sub-angular blue-grey quartz crystals are typical as well as a moderately sericitic groundmass where more strongly bleached. Trace pyrite commonly replaces ferro-magnesium minerals. Quartz-carbonate plus chlorite veining is weak to locally strong associated with weak shears. When the quartz-feldspar porphyry is within the A-Zone shear, it is intensely bleached and moderately to strongly foliated. It is rarely mineralized. Its location along the shear suggests a post-mineralization emplacement contemporaneous with stress and alteration.

The feldspar porphyry variety is generally fresher and unaltered. Porphyritic textures are prominent with white feldspar phenocrysts up to 0.5cm in a grey siliceous groundmass. Very little late quartz-carbonate in the form of veinlets and fractures occurs in this unit.

### ***Gabbro***

One unit of gabbro-like mafic intrusive or syn-volcanic sill has been intersected in the hangingwall Mg-tholeiites. It is fine to medium grained, darker green and massive. A faint equigranular gabbro-like texture is present and hosts a moderate chlorite overprint of the groundmass. The unit is non-magnetic. A variety of the gabbro occurs as a massive dark green megacrystic lithology highlighted by 1-3% plagioclase feldspar megacrysts up to 1.5 cm across in an equigranular gabbroic texture. Weak to moderate epidote alteration of the groundmass can occur as well as weak quartz-carbonate plus epidote veinlets and clots.

#### ***7.2.2 Structural Features of the Goodfish-Kirana Claim Group***

The Kirkland Lake gold district is well known for its structurally controlled gold deposits. The primary structure hosting gold is known as the 'Main Break', which represents a second-order splay of the Cadillac-Larder Lake deformation zone (CLLdz) (Frieman et al., 2017). Most commonly gold deposits do not occur within the CLLdz but are hosted by second- to third-order brittle-ductile deformation zones within 2 to 10 km from the CLLdz (Robert et al., 1995).

A northeast-trending, steeply-dipping foliation ( $S_4$ ) is well-developed along the CLLdz and in a series of deformation zones to the north, which has been interpreted as a result of regional dextral transpression ( $D_4$  of Ispolatov et al., 2008).  $S_4$  is best developed in discrete high-strain zones (HSZs) where it is commonly defined by sericite or carbonate mineral-rich folia with millimeter- to sub-millimeter-scale spacing. In the HSZs,  $S_4$  commonly overprints zones of prior brittle deformation, marked by the occurrence of cataclasite, fault gouge, and/or discrete faults (Ispolatov et al., 2008). Mapping indicates that several to 100s of meters wide HSZs are regularly spaced at ~500 to 750 meters. Of these, the most significant deformation is associated with four named deformation zones: the Larder Lake-Cadillac, the Murdock Creek, the 'Main Break', and the Kirana deformation zones. The majority of gold deposits and occurrences in Kirkland Lake are spatially associated with these zones and each displays domains of pervasive sericite and/or carbonate alteration. The boundaries of the HSZs are gradational to sharp over the scale of meters. The HSZs are separated by low strain zones (LSZs), in which primary sedimentary and igneous textures are well preserved,  $S_4$  occurs as a weak spaced (centimeter-scale), northeast-trending and steeply-dipping foliation, and alteration is typically weak (Frieman et al., 2017). Furthermore, while the known deposits are primarily associated with the 'Main Break', each of the major HSZs is host to gold occurrences that appear to have localized the upflow of hydrothermal fluids (Frieman et al., 2017).

Within the GK claim group the 'Main Break' or Kirkland Lake Fault touches the very southeast corner of the property and is more than likely responsible for the gold mineralization at the Kirgood and Hargreaves shafts (Figure 7.4). The Kirana Deformation Zone (KDZ) trends east-northeast through the lower southern portion of the claim group likely controlling gold mineralization at the Fidelity, Kirana No's 1-5, and the St. Pierre shafts. Further north, it appears that gold mineralization is again controlled by an east-west shear called the A-Zone, where exploration efforts of Warrior Gold have been successful in outlining a gold mineralized corridor 650m long and almost 350m vertically.

The North/South Goodfish Trend in the areas of the A, B and C Zones, is a remnant from early government maps that interpreted a trend that joined the mineralization and headframes of old workings at the A, B and C Zones in a north-south direction. Work by Warrior Gold has not found significant structures that trend along this north-south direction but do find the three zones are associated with shears and compression trends in the north-northeast direction.

### 7.2.3 MINERALIZATION OF THE GOODFISH-KIRANA BLOCK

There are 31 documented and registered Ministry Energy Department and Mines (MENDM) Mineral Deposit Inventory (MDI) occurrences within the Goodfish-Kirana Block. Details are provided below in Table 7.1. Locations of MDIs for all three claim groups are provided in Figure 7.5. Abandoned mines inventory system (AMIS) occurrences for all three claim groups are provided in Figure 7.6.

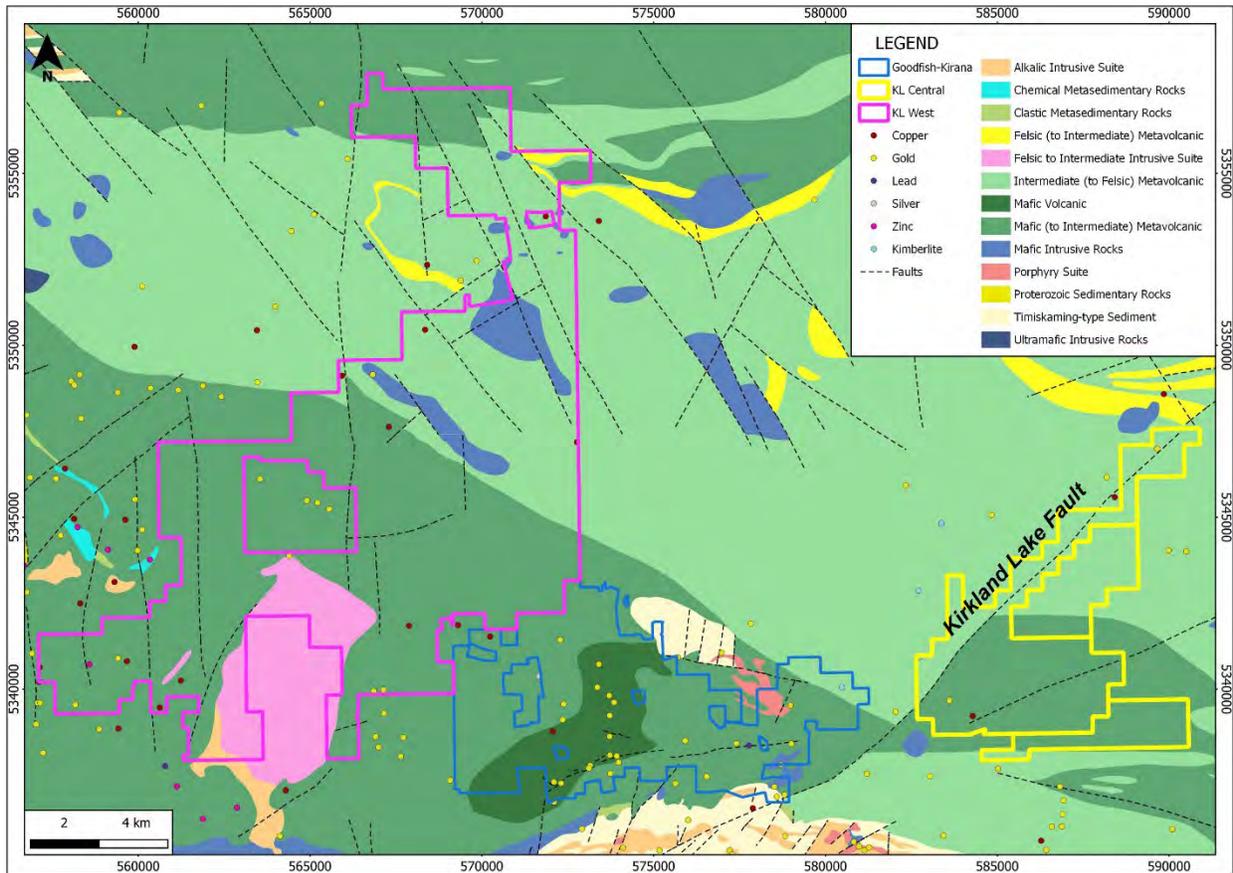
**Table 7.1. MNDM registered mineral occurrences (MDI's) of the Goodfish-Kirana block.**

MDI Identifier	Name	Type	Township	Primary Commodity	Secondary Commodity	Additional Names	Easting	Northin g
MDI00000000545	Goodfish North	Prospect	Bernhardt	GOLD		Area A	572425	5339570
MDI00000000546	Goodfish Northeast	Occurrence	Morrisette	GOLD			573360	5340055
MDI00000000547	Skylor	Occurrence	Bernhardt	GOLD		Goodfish	572355	5339115
MDI00000000597	Kirana Extension	Prospect	Morrisette	GOLD		Sutton	573730	5338080
MDI00000000598	Mallard Lake West	Occurrence	Morrisette	GOLD, COPPER			577412	5338426
MDI32D04NW00008	Morrisette Gml	Discretionary Occurrence	Morrisette	GOLD		Tough, G.	575920	5338502
MDI32D04NW00010	Morrisette Creek	Occurrence	Morrisette	KIMBERLITE		Anomaly 20, Monopros, Ma-	580484	5340053
MDI32D04NW00019	Overburden Drill Hole 81-15	Discretionary Occurrence	Lebel	GOLD	MOLYBDENUM		578589	5336878
MDI32D04NW00030	Overburden Drill Hole 81-16	Discretionary Occurrence	Morrisette	GOLD			579008	5338418
MDI32D04NW00036	Mallard Lake Gold Mines Limited	Prospect	Morrisette	LEAD, SILVER	GOLD, COPPER, ZINC	Saint Pierre Shaft, Post Claim LL 4868, Kirana Property	577775	5338364
MDI32D04NW00038	Deloye, E.C.	Occurrence	Morrisette	GOLD	COPPER, MOLYBDENUM		575704	5340929
MDI32D04NW00041	Kinbauri	Occurrence	Morrisette	GOLD			578984	5339528
MDI32D04SW00025	Hargreaves-Kirkland	Occurrence	Lebel	GOLD		Hargreaves, Ed	578512	5337164
MDI32D04SW00124	Kirduke	Discretionary	Lebel	GOLD		Duke	578700	5337807
MDI32D04SW00125	Kirgood	Occurrence	Lebel	GOLD		Thackery	578812	5336934
MDI32D04SW00126	Kirkland Central	Occurrence	Lebel	GOLD		Oke, Laing	573738	5337548
MDI32D04SW00127	Miller Imerson	Discretionary Occurrence	Lebel	GOLD			576541	5337462
MDI32D04SW00139	Chorzepa, E.	Occurrence	Morrisette	GOLD		Kirana	573155	5337781
MDI42A01NE00026	Kirana Kirkland	Developed Prospect With Reserves or Resources	Teck	GOLD	MOLYBDENUM, SILVER	Haas-Warner, La Belle Kirkland	573116	5337705
MDI42A01NE00084	Goodfish #1	Developed Prospect Without Reserves or Resources	Morrisette	GOLD	COPPER, MOLYBDENUM	#1 Shaft, Zone A, Murray, Miles Martin	573718	5338628
MDI42A01NE00085	Goodfish #4	Occurrence	Morrisette	GOLD	MOLYBDENUM	#4 Shaft, Murray, Miles Martin	573848	5339618
MDI42A01NE00086	Goodfish #5	Occurrence	Morrisette	GOLD	MOLYBDENUM	#5 Shaft, Murray, Miles Martin	573708	5339818
MDI42A01NE00091	Kiazyk, J.	Occurrence	Bernhardt	COPPER			570240	5341534
MDI42A01NE00092	O'Connor, Frank	Occurrence	Bernhardt	COPPER		Goodfish Lake, Murray, C.L.	572070	5338778
MDI42A01NE00093	O'Connor, Frank	Occurrence	Teck	GOLD	COPPER, MOLYBDENUM	Fidelity	572308	5337268
MDI42A01NE00094	Midjet Lake	Discretionary	Morrisette	GOLD			573408	5340728
MDI42A01NE00114	Goodfish #3	Developed Prospect Without Reserves or Resources	Morrisette	GOLD	COPPER, MOLYBDENUM	Murray, Miles Martin	573720	5339236
MDI42A01NE00131	Gordon, W. A.	Occurrence	Morrisette	GOLD	COPPER, MOLYBDENUM	Kirana Extension	573928	5338058
MDI42A01NE00160	Violette, B.R.	Occurrence	Bernhardt	GOLD	MOLYBDENUM		572284	5341436
MDI42A01SE00030	Chorzepa, E.	Occurrence	Bernhardt, Morrisette	GOLD			573981	5337876
MDI42A01SE00150	Fidelity	Occurrence	Teck	GOLD	MOLYBDENUM	Fidelity	572099	5337300

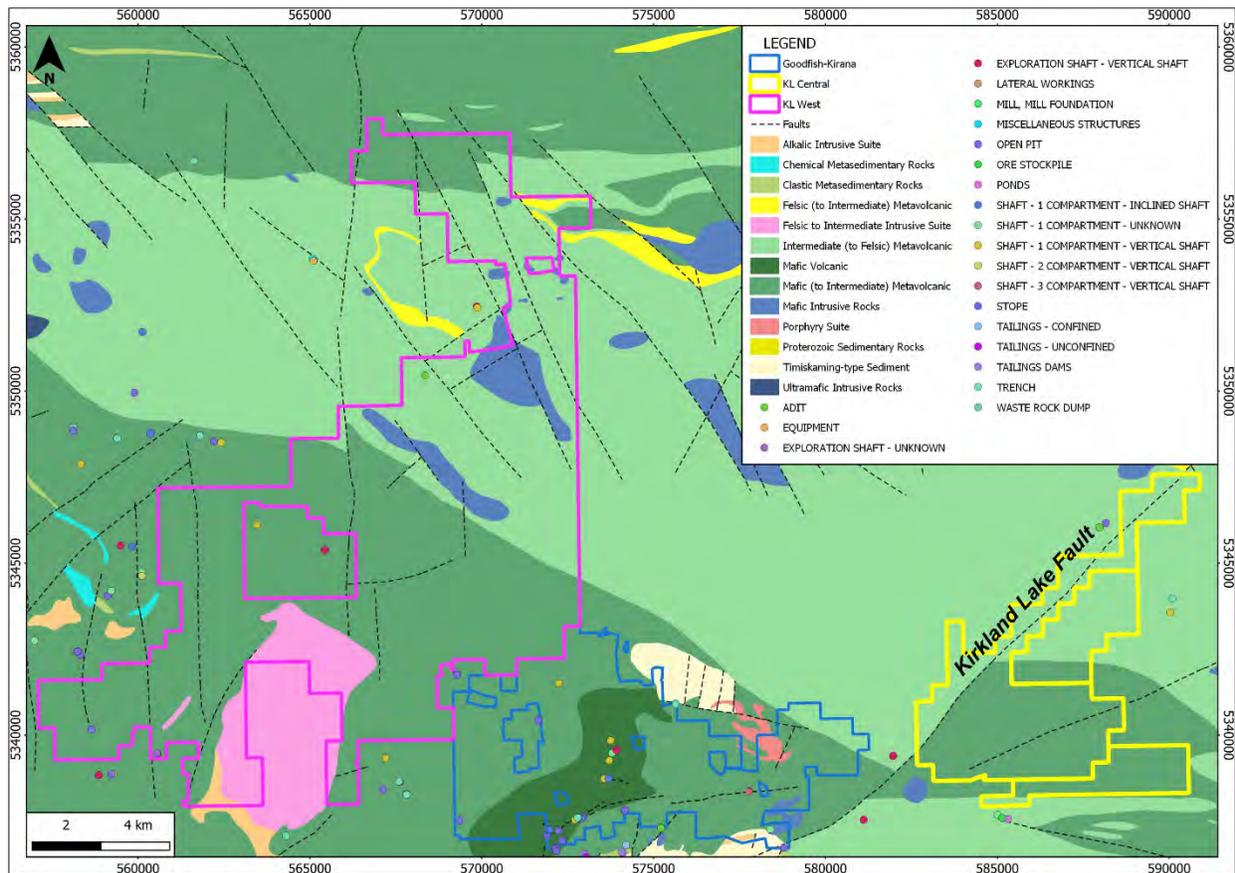
Coordinates in NAD83 datum, Zone 17 U.

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**Figure 7.5** Registered mineral occurrences (MDI's) of the Kirkland Lake Properties. Source MNDM.



**Figure 7.6** Registered abandoned mine occurrences (AMIS) of the Kirkland Lake Properties. Source MNDM.



It is not the intent of this report to review all the mineralized occurrences on the property, but mineralization characteristics. The gold mineralization at the A and C Zones have been the focus of the bulk of exploration work by Warrior Gold's exploration.

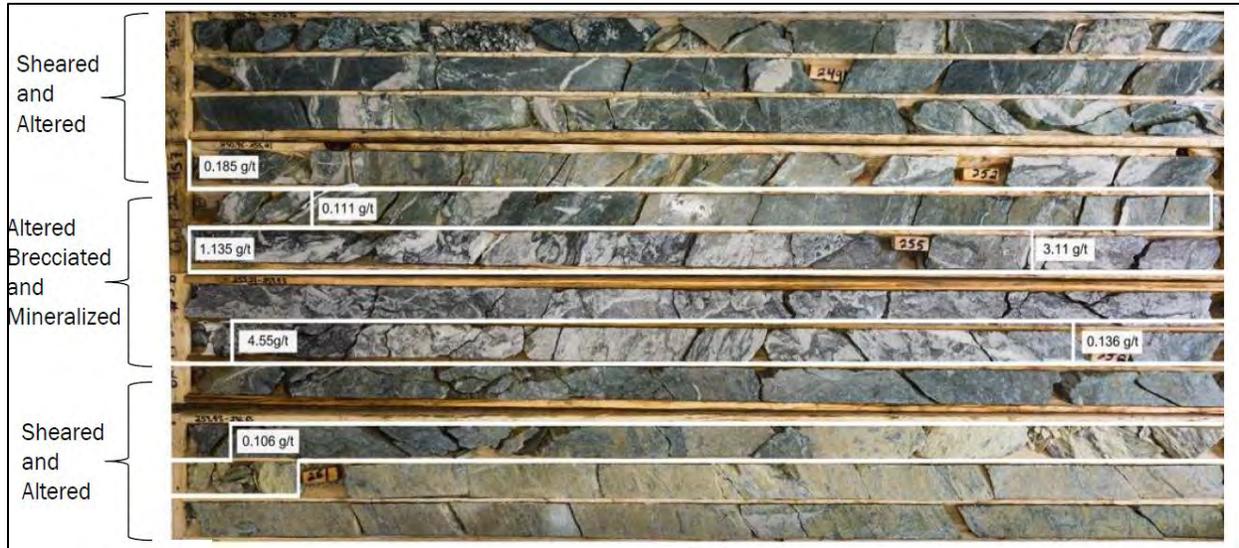
### A-Zone

The A-Zone gold mineralization occurs along the contact between the Fe and Mg-tholeiites. Best grades appear to be associated with a brecciated unit, possibly a flow top breccia, at the contact which strikes 110° azimuth and dips steeply 70° to the northeast. Mineralized and sheared zone widths are commonly 6-12 m wide downhole.

The A-Zone shear is typified by intense foliation and banded sericite alteration. Silicification, Fe-carbonate and minor late quartz-carbonate fracture filling also occur along foliation planes giving it a banded schistose appearance. Boudinaged fragments of the interflow breccia are commonly enveloped by sericite, silica, carbonate +/- chlorite. Pyrite mineralization occurs as disseminations and fine blebs in the order of 1-5% also

along foliation planes associated with silica and carbonate alteration (Photo 7.1). There are additional shear zones in the footwall of the A-Zone typically comprised of the above, but consistency in alteration, mineralization and gold tenors are variable.

**Photo 7.1.** Typical A-Zone geology representing sheared sericite-carbonate-silica alteration with pyrite mineralization with brecciation of mafic volcanic and flow top breccia with subordinate sheared and altered quartz-feldspar porphyry and multiple generations of quartz-carbonate veining. GK19-022 from 246.94m to 263.65m.



### **Other Gold Mineralization Proximal to A-Zone**

Within the footwall of the A-Zone in the Mg-tholeiites, broad intervals of gold mineralization associated with discrete quartz-carbonate fracture fillings. Of note was drill hole GK20-028 which reported **1.22 g/Au over 74 m** starting at 87m downhole. This interval included **2.65 g/t Au over 22.3 m** which also included 6.70 g/t Au over 7.4m and visible gold was observed. Gold mineralization in this hole was associated with 1 to 10 cm quartz veins with fine pyrite mineralization and rare visible gold. Veining was parallel to sub-parallel to the core axis with discontinuous smaller veinlets oblique to the main veining trend. At this time the context and geometry of this vein associated mineralization is still being investigated.

During the fall 2021 drill program, high grade gold was intersected in the hangingwall or north side of the A Zone. In the hanging wall, gold mineralization was intersected in discrete quartz carbonate veins in the Fe-tholeiite rocks. GK21-049 intersected **155.0 g/t over 0.75 m**. Visible gold was observed in a quartz vein in GK21-050 during core logging and a **0.50 m** segment returned assays **72.10 g/t** in one half of the core and **561.00 g/t Au**

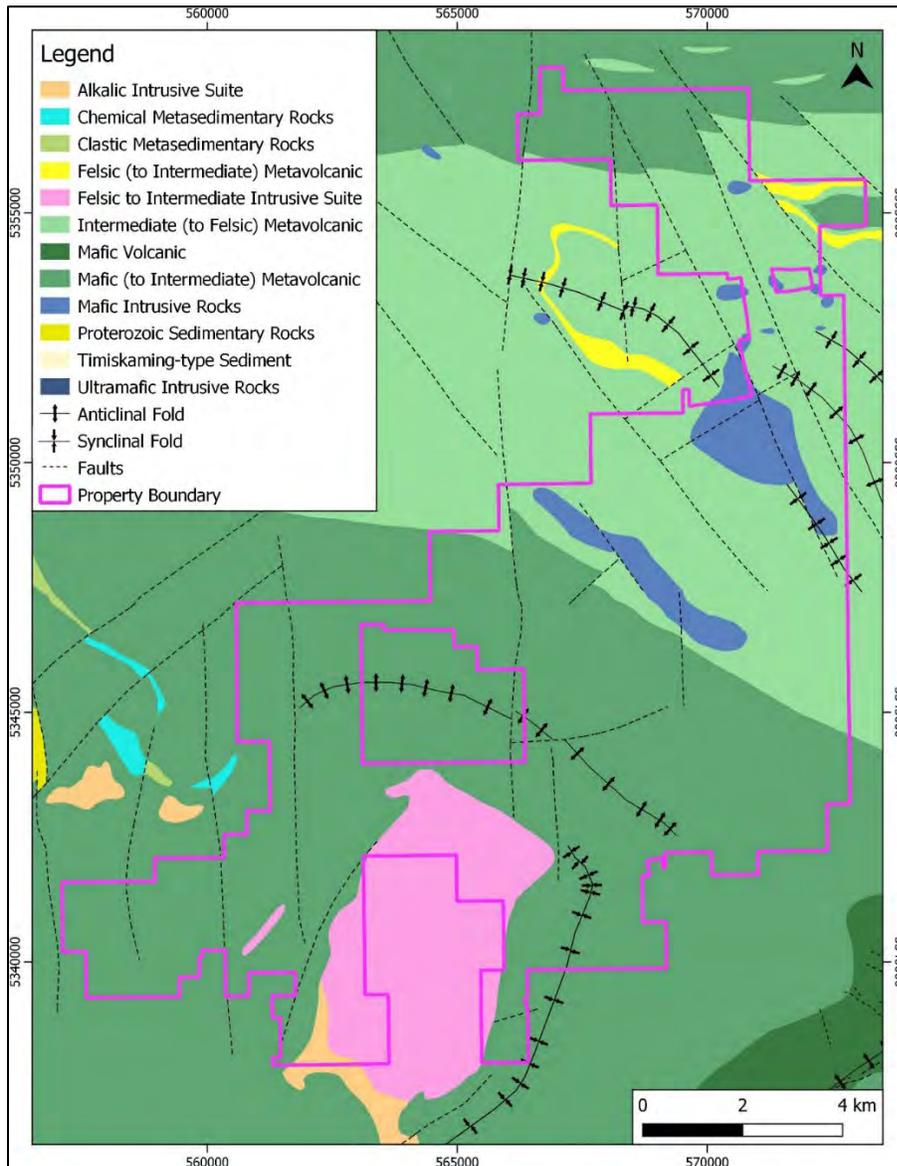
in the other. At this time the context and geometry of the veined hosted high grade gold mineralization is still being investigated.

Mineralization amongst the other MDI occurrences and those documented in various reports are typical of orogenic lode gold deposits, either shear-hosted or hosted by narrow <2 m quartz-carbonate veins. Polymetallic quartz vein hosted mineralization has also been noted with the block.

#### **7.2.4 GEOLOGY OF THE KL WEST CLAIM GROUP**

The KL West claim group is dominated by both the Upper and Lower Blake River assemblages (Figure 7.7). The difference between the two assemblages is that the Lower Blake River is mafic volcanic dominated while the Upper Blake River is felsic to intermediate volcanic dominated.

**Figure 7.7** *Geology of the KL West claim group.*



**7.2.4.1 Geology of Lower Blake River Assemblage on KL West Claim Group**

The Lower Blake River assemblage is mafic volcanic dominated, consisting of Fe-tholeiitic and Mg-tholeiitic basalts. These basalts can be massive, coarse-grained, fine-grained and pillowed flows and can be variolitic, amygdaloidal and hyaloclastic.

Compositional changes from iron-poor to iron-rich can be detected by changes in the magnetic intensity. Interflow units of chert, cherty tuff, cherty oxide iron formation, crystal tuff and tuff breccia of calc-alkalic dacite composition have been observed.

The tholeiitic basalts have been intruded by syentic felsic dykes and feldspar porphyries. The Winnie Stock occupies a significant portion of the southern central part of the claim group. Most of the Winnie Lake Stock is medium-grained equigranular hypidiomorphic granite, but in some places near the contacts are syenitic phases with a similar texture (Rupert and Lovell, 1970). The dikes in the surrounding rocks are mostly less than 31 m wide and consist of variable amounts of feldspar phenocrysts in a very fine-grained pink or dark grey matrix (Rupert and Lovell, 1970). North-trending diabase dykes of the Matachewan swarm cross-cut all rock types.

Two folds in Bernhardt Township (Rupert and Lovell, 1970) are related to the Winnie Lake stock. The anticline trending west northwest ends near the Bernhardt-Morrisette Township boundary, but the terminations of the doubly plunging syncline parallel to the northern margin of the Winnie Lake Stock are not clear (Rupert and Lovell, 1970). East of the Winnie Lake stock is a north-south-trending syncline.

In most of the north half of Bernhardt Township there are many prominent north-striking lineaments, as seen on air photographs. They are coincident with steep-walled gullies and trenches. The most prominent of these is north of Splashwater Lake, where a sinistral separation of 600 metres was observed on a steeply dipping distinctive flow contact (Rupert and Lovell, 1970). Most of the faults and shear zones trend north-south in Maisonville Township, whilst in Bernhardt Township, shear zones trend southeast.

#### ***7.2.4.2 Geology Upper Blake River Assemblage on KL West Claim Group***

The northern part of the claim group is dominated by the Upper Blake River assemblage, comprised of felsic to intermediate volcanic rocks. Intermediate volcanic rocks are comprised of andesitic and dacitic flows. Massive, pillow and interflow breccia's are common amongst the andesitic units. Tuffs, lapilli tuffs and agglomerates make up the pyroclastic units of the dacite (Jensen, 1972).

Interbedded greywacke, chert and argillite occur in west-central Melba Township. Many of the larger laminae of greywacke and argillite have graded bedding and sometimes grade upward from greywacke to argillite or chert. The sedimentary fragments which are in the volcanic flows are composed of argillite and argillic chert, and are black, sub-angular to subrounded (Jensen, 1972).

The felsic volcanic rocks comprise about 5% of the total volcanic sequence within the claim group. They are considered rhyodacites and are commonly interlayered with the dacites. Many varieties are porphyritic. The pyroclastic units are poorly bedded tuffs and lapilli tuffs in which fragments of plagioclase and quartz, siliceous rock, and pseudomorphs of glass shards are cemented in a matrix of calcite, chlorite, and quartz. In

the altered tuffs, the plagioclase fragments are partly altered to saussurite and the pseudomorphs of glass shards are replaced by quartz, sericite, and chlorite causing much of the original texture to be destroyed.

Early mafic intrusive rocks occur as sills, stocks, and dikes which intruded the volcanic sequence. The larger intrusions are predominantly gabbro and quartz gabbro. Felsic intrusive rocks occur as dikes of diorite and monzonite porphyry. Late diabase dykes of the Matachewan swarm cross-cut all rock types.

A large syncline occupies much of the northern portion of the claim group. The outer parts of the syncline consist chiefly of mafic volcanic rocks of the Lower Blake River assemblage, while the central part is occupied by the Upper Blake River assemblage. The syncline plunges to the east. In the center of the property in Melba Township the syncline curves southeast and is a reverse S-fold which is thought to extend through Kellett Lake eastward into Morrisette Township (Figure 7.5). The axial trace of the fold is partly obscured by numerous faults and a large intrusion of gabbro in the eastern half of Melba Township (Jensen, 1972).

Two flanking, doubly plunging reverse S-folds (an anticline and a syncline) are east of the syncline mentioned above. They extend southeast from east-central Melba Township through Bisley Township into Morrisette Township. These two folds probably represent a widening of the synclinorium. The axial planes of all three folds are convex to the northeast, possibly reflecting the presence of a northeast-trending synclinal cross fold. This depression may be a synclinal cross fold (Jensen, 1972).

Faults in the area can be roughly divided into four groups according to strike: east-trending, northwest-trending, northeast-trending, and north-trending. The east trending faults are local faults truncated by other faults (Jensen, 1972).

The northwest-trending faults extend across both Townships and, therefore, are believed to be part of a regional fault pattern. They are at regular distances about 1.5 to 3 km apart and have strikes which vary from N45°W to N65°W. Most of them show up on topographic maps as straight lineaments occupied by streams. Where exposed in the bedrock, they are shear zones less than 50 feet wide with minor chlorite mineralization. The foliation within these zones indicates the faults dip from 70° to 85° northwest. Displacements of fold axial traces are small, probably indicating that most of the faults are nearly vertical along which the main movement was vertical.

The northeast-trending faults have strikes which vary from N40 °E to N60 °E. They offset the folds only slightly thus they are probably dip-slip faults which dip steeply to the southeast. The offset is minimal where crossed by the northwest-trending faults.

Two major north-trending vertical faults transect the area and offset the major syncline and contacts between the Lower and Upper Blake River assemblages.

**7.2.4.3 Mineralization of the KL West Claim Group**

There are 18 documented and registered Ministry Energy Department and Mines (MENDM) Mineral Deposit Inventory (MDI) occurrences within the KL West claim group. Details are provided below in Table 7.2.

**Table 7.2** Registered mineral occurrences of the KL West claim group. Source MNDM.

<i>KL West Claim Group</i>					
<b>MDI Identification Number</b>	<b>Occurrence Names and Year</b>	<b>Easting UTM</b>	<b>Northing UTM</b>	<b>Primary Commodity</b>	<b>Secondary Commodity</b>
42A08SE00105	Adit - 1934	568349	5350455	Copper	
42A08SE00107	Dobos Gold Syndicate- 1940 Raven Resources - 1990	566828	5349151	Gold, Copper	Silver
42A08SE00034	Overburden Drill Hole 81-06	565933	5349119	Copper, Lead, Zinc, Nickel	
42A08SE00042	Laurilia-Boone - 1993	567297	5347629	Copper	
42A01NE00175	Area #15 - 1991 Geln Auden- E - 1991	557803	5341635	Molybdenum	Gold
42A01NE00180	A. Pudden - 1991	557132	5340641	Copper	
42A01NE00178	Area#2 - 1991 Glen Auden H - 1991	557126	5340209	Copper	Molybdenum
42A01NE00174	Glen Auden D - 1991 Area#5 - 1991	558169	5339550	Gold	Molybdenum
42A01NE00168	Imperial - 1991 Noranda - 1991	558575	5340724	Zinc	
42A01NE00071	Area#1 - 1991 Glen Auden A - 1991	559414	5340899	Gold	
42A01NE00172	Geln Auden- B - 1991 Area 1 - 1991	559672	5340815	Copper	
42A01NE00183	J, McDonnell - 1991	560628	5339470	Gold, Copper	Silver
42A01NE00097	Leahy- Queenston - 1995	561243	5340253	Copper	
42A01NE00159	G. Roberge - 1991	566854	5339950	Gold	Copper
42A01NE00055	Bourzk-2 - 1991	567142	5339984	Gold	
42A01NE00090	Bastarche- 1995 Roberts-Bastarche - 1995	567884	5341845	Copper	
00000000423	Webash Lake - 1996	564395	5343875	Gold	
42A08SE00140	Wulf Cooper - 1991	572768	5347186	Copper	

Coordinates in NAD 83, Zone 17 U datum.

In Melba Township and within the Upper Blake River Assemblage, gold and copper mineralization are associated with quartz-carbonate veins inside and/or proximal to dikes of hornblende diorite and monzonite that intrude sedimentary rock. The copper mineralization is in quartz-carbonate veins in intermediate and felsic volcanic rocks. Pyrite occurs as disseminated grains and locally associated with fine fracture filling in the intermediate and felsic volcanic flows and pyroclastic units of central and northeastern Melba Township (Jensen, 1972).

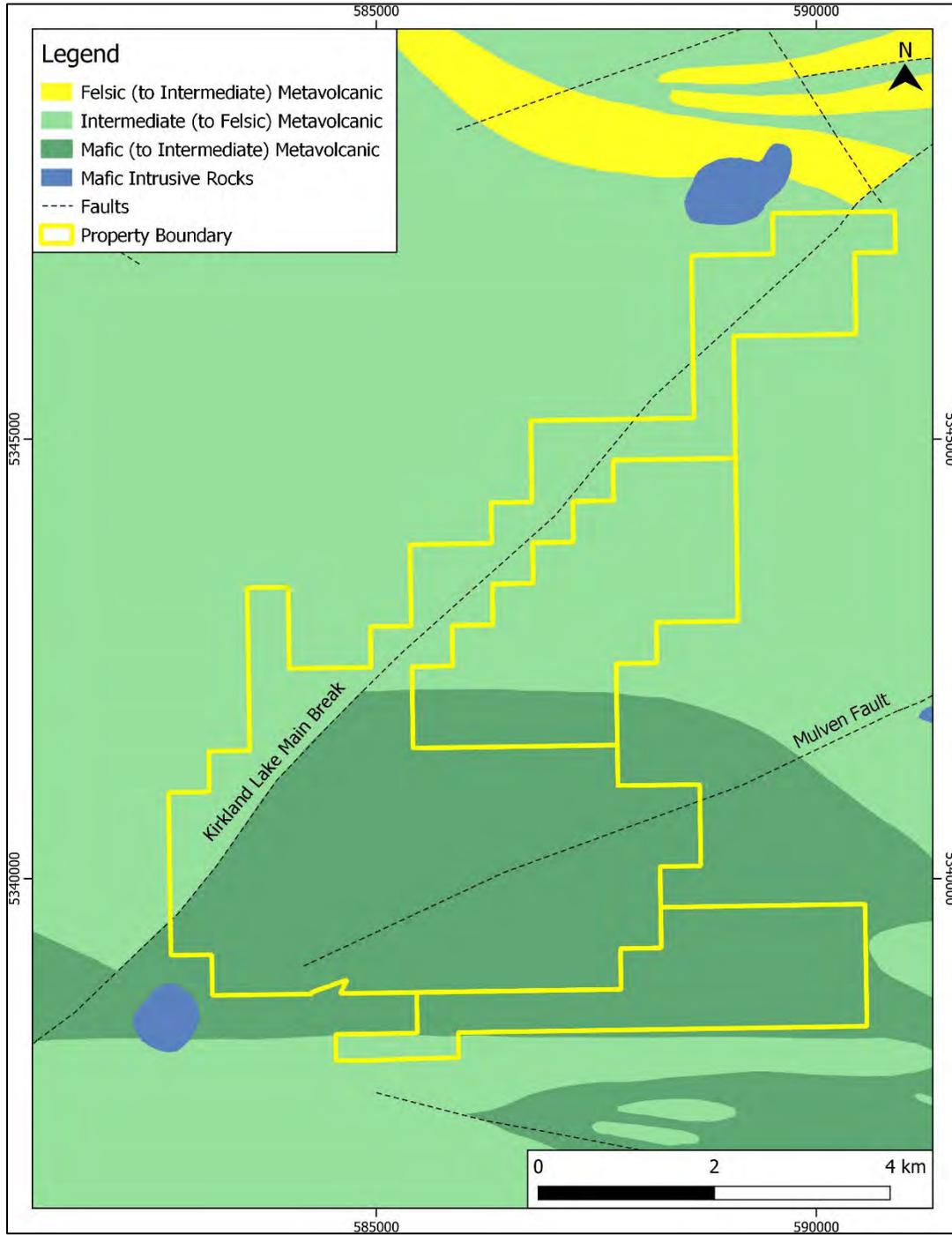
In Maisonville and Bernhardt Townships, base metals, gold, and silver occurrences have been observed and zinc, lead and copper have been found associated with quartz-carbonate veins and alteration zones in graphitic slate, tuff and chert. Copper is also associated also with quartz veins in gabbro and diorite. Molybdenite occurs in quartz veins in granite and quartz syenite. Gold occurs in shear-hosted quartz veins and associated with syenite intrusions. Silver is associated with polymetallic veins (Lovell, 1967).

### **7.2.5 GEOLOGY OF THE KL CENTRAL CLAIM GROUP**

The KL Central claim group is hosted on the southern limb of the Blake River synclorium and is divided between lithologies of the Upper and Lower Blake River assemblages.

Arnold Township was mapped by the Ontario Department of Mines in the early 1960s and the map of Arnold Township and the adjacent Katrine Township was published in 1964 at a scale of 1 inch to 1/2 mile along with an accompanying report (Hogg, 1964). The OGS map currently on-line in MLAS displays a wedged-shape portion of the Lower Blake River assemblage bounded on the northwest by the Kirkland Lake Fault and on the southeast by the Mulven Lake Fault. The Misema Lake-Mist Lake Fault also transects this wedged portion of the Lower Blake River. The contact between the two assemblages strikes east-west (Figure 7.8). Arnold Township is largely covered by thick accumulations of fine sand. Outcrops are rare. Very little is written about the geology of the KL Central claim group.

**Figure 7.8** Geology of the KL Central claim group.



Based on assessment reports with vague lithology descriptions, the Upper Blake River assemblage is largely comprised of felsic to intermediate volcanic rocks of andesitic and dacitic composition. Massive, pillow and interflow breccias are common amongst the

andesitic units. Tuffs, lapilli tuffs and agglomerates make up the pyroclastic units of the dacite units. The Lower Blake River assemblage is dominated by massive to pillowed mafic to intermediate volcanic rocks of basalt to dacitic composition. All volcanic rocks have been intruded by dykes and irregular shaped masses of syenite, syenite porphyry, diorite and gabbro. North-trending Matachewan diabase dykes cross-cut all rock types.

Structurally the KL Central claim group is transected by crustal scale fault/deformation zones. The northeast extension of the ‘Main Break’ or Kirkland Lake Fault that hosts the majority of gold deposits in the Kirkland Lake gold camp transects the northwest edge of the claim group. East-northeast to almost east deformation zones through the claim group include the Misema Lake-Mist Lake fault zone which occupies the limb of a reverse S-fold which the Howard Lake-Misema Lake drainage system mimics. The upper reverse S-fold axial plane forms an anticline with subsequent anticlinal axial planes along the Misema Lake-Mist Lake fault and Mulven Lake Fault.

**7.2.5.1 Mineralization of the KL Central Claim Group**

There are 5 documented and registered Ministry Energy Department and Mines (MENDM) Mineral Deposit Inventory (MDI) occurrences within the KL Central claim group. Details are provided below in Table 7.3.

**Table 7.3.** Registered mineral occurrences of the KL Central claim group. Source MENDM.

<b>MNDM Mineral Deposit Inventory Occurrences</b>				
<b>KL Central Claim Group</b>				
<b>MDI Identification Number</b>	<b>Occurrence Names and Year</b>	<b>Easting UTM</b>	<b>Northing UTM</b>	<b>Primary Commodity</b>
32D05SW00016	St. Pierre - 1991	589655	5346994	Gold
	M. Walsh- 1991			
32D04NW00012	Alfie Creek 01- 1991	583303	5341525	Diamond, Kimberlite
	A-4 - 1991			
	Ma 13-1 - 1991			
	Alfie Creek North -			
32D04NW00011	Alfie Creek 02- 1991	582719	5340928	Diamond, Kimberlite
	Anomaly 13 - 1991			
	Ma 13-2 - 1991			
	Alfie Creek South - 1984			
32D04NE00035	Prince North - 1994	583609	5339678	Gold
32D04NW00029	Overbuden Drill Hole 82-03 - 1995	584286	5339223	Copper

Coordinates in NAD 83, Zone 17 U datum.

There has been little documentation of mineralization within this claim group. There are only 15 registered drill holes that targeted geophysical anomalies below deep overburden cover.

The most significant mineralization reported was from drilling in 1994 and 1995 at the Prince North mineral occurrence. Two intersections of 2.51 g/t Au over 0.10 m and 5.5 g/t Au over 0.20 m were associated with a wide zone of sericite, carbonate, silica, pyrite and minor fuchsite alteration. This alteration zone is coincident with a fault structure developed in a Mg-tholeiite host rock proximal to the Murdoch Creek Fault. A weak chargeability anomaly related to the presence of graphite was also associated with this alteration zone (Harron, 1995).

Both macro and micro diamonds were collected from a bulk sample at the A-4 kimberlite pipe just on the eastern boundary of the claim group.

Of significance is the Victoria Creek gold deposit discovered by Sudbury Contact Mines in 1993 that lies just 250 m south of the southern boundary of the claim group. Gold mineralization is generally confined to three zones: 4A, 4C and 4D. In these zones gold mineralization is well defined and appears to follow hydrothermally altered shear zones controlled by S<sub>1</sub> deformation. The shear zones strikes east-west and dips steeply to the north 65 degrees. These zones tend to be well defined and well banded in the 4C Zone on the 350 level where narrow sericite-chlorite and semi-massive pyrite bands separate strong silicified-albitized bands up to 1.5-cm wide. Where the 4A Zone is observed, silicification and albitization are well developed and pyrite mineralization tends to occur more commonly in blebs and stringers. The gold zones are enveloped by sericite-carbonate and moderately to weakly silicified and albitized volcanic rocks containing anomalous gold values apparently associated with minor pyrite blebs and stringers (MDI32Do4NW00043). A shaft was sunk to 524.6m with drifting and a bulk sample extracted on the 350 level. There is a non-compliant NI 43-101 resource of 4.27 Mt at an average grade of 3.27 g/t Au.

## **8.0 DEPOSIT TYPES**

The structural and geological architecture of the Blake River Group is conducive to a variety of gold depositional environments similar in nature and significance to other gold-bearing deposits in Archean-aged greenstone belts hosted within the Abitibi Subprovince. These typically fall into the category of orogenic gold deposit types in brittle-ductile structurally related regimes similar to the Kirkland Lake Gold Camp and Timmins Gold Camp.

### **8.1 ARCHEAN OROGENIC GOLD DEPOSITS**

Orogenic lode gold deposits throughout the world show very distinct clustering along major lineaments and deformation zones (shear zones) which tend to be crustal scale, terrane-bounding features. Feng and Kerrich (1992) summarize: “The giant quartz vein systems with lateral extents of tens of kilometers and up to 3 kilometers in depth are hosted in brittle-ductile shear zones and are restricted to terrane boundaries. These are regional structures that cut through the lithosphere, but are usually recognized at strike-slip fault, duplexes and second- and third-order splays at mid-crustal levels.”

Deposition of gold is generally syn-kinematic, syn- to post-peak metamorphism and is largely restricted to the brittle-ductile transition zone. However, deposition over a much broader range of pressure-temperature conditions (200°–650°C; 1–5 kbar) has been demonstrated. Host rocks are highly variable, but typically include mafic and ultramafic volcanic rocks, banded iron formation, sedimentary rocks and more rarely granitoid rocks. Alteration mineral assemblages are dominated by quartz, carbonate, mica, albite, chlorite, pyrite, scheelite and tourmaline, although there is much inter-deposit variation (Kerrich et al., 2000).

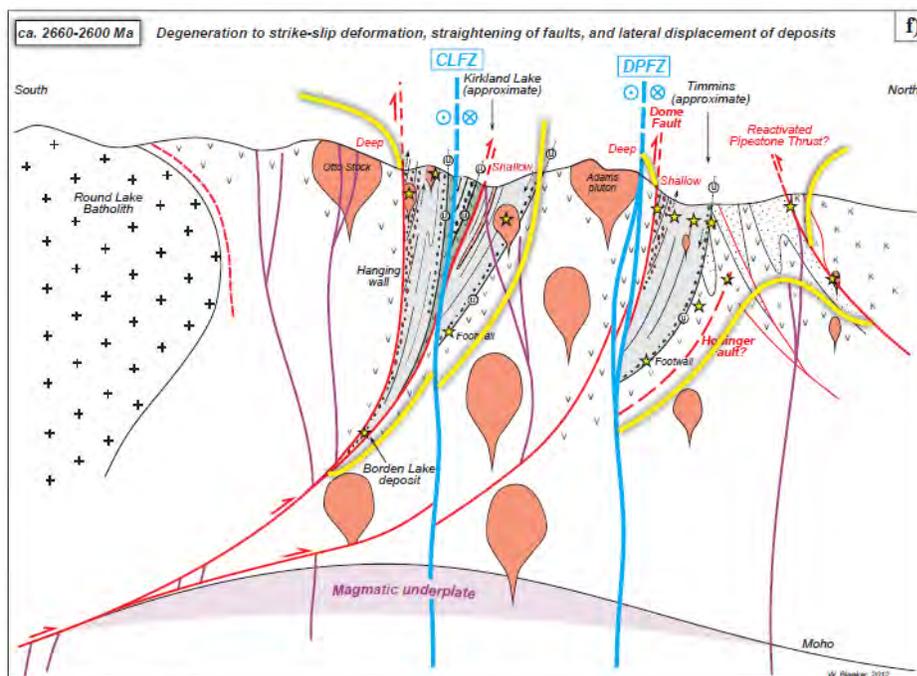
More recently Bleeker (2015) summarized the orogenic lode gold deposits as: “Structurally controlled “lode gold” systems within or in proximity to major fault zones (colloquially known as “breaks) represent a dominant deposit type in Canada, particularly in the Archean cratons of the Canadian Shield. There are critical characteristics of these deposits, specifically their relationship to the major faults and the complicated kinematic history of these faults, and to the panels of synorogenic clastic ( $\pm$ volcanic) rocks that occur along these faults. The synthesis that emerges is mainly based on the Timmins area, Canada’s most prolific gold camp, but critical elements apply equally to, and have been ground-truthed in, other gold camps, i.e., Kirkland Lake, the Abitibi more generally, the Rice Lake belt, Yellowknife, and the Agnew camp of the Yilgarn craton. In all of these areas, the key faults cut early fold-and-thrust structures and were likely initiated as crustal-scale,

synorogenic extensional faults in association with a flare-up in synorogenic, typically more alkaline magmatism.

Extension, the associated mantle-derived magmatism, and the resulting thermal pulse into the lower crust were likely the ultimate drivers of the gold mineralizing events. Synorogenic extension also minimized post-orogenic uplift, thus playing an important indirect role in preservation of the upper crustal depositional environments. Following synorogenic extension and the initiation of the magmatic and hydrothermal processes that produced the gold systems, the crustal-scale faults were invariably inverted as thick-skinned thrusts, burying synorogenic basin remnants and gold deposits in their structural footwall, while deposits were removed or largely eroded from the structural hanging wall of these thrusts. This thrust inversion thus plays a critical role in the preservation of the gold endowment and explains the fundamental asymmetry across most of these camps. Gold mineralization appears to have peaked during the thrust-inversion stage and subsequent shortening but had waned prior to final strike-slip overprinting of the fault zones. The integrated model provides a coherent guide for identifying and analyzing similar settings.”

Bleeker (2015) concluded that 95% of the gold deposits in the Timmins and Kirkland Lake camps are in the structural footwall of the ‘main breaks’, a result of the preservation of Timiskaming synorogenic clastic basins.

**Figure 8.1** Schematic cross-section through fault-bounded stratigraphy of the Kirkland Lake and Timmins gold camps (Bleeker, 2015).



**Figure 7 continued. f)** Degeneration of the fault systems to strike-slip fault zones. Major strike-slip fault planes (in blue), now typically mapped as “the breaks”, broke through to minimize local asperities. Locally the fault planes may follow and overprint the earlier steep-ened thrust structures, but elsewhere they deviate from and isolate the main thrust faults in separate slices, such as the Dome Fault in the Dome Mine, Timmins. Hence, in some cases the fault trace referred to as “the break” is actually not the most important fault of the system. Staying with the example of the Dome Mine near Timmins (illustrated above), it is the Dome Fault (red) that is the key structure and it is mineralized. In contrast, the DPFZ (in blue) broke through later, further to the south, and is a barren strike-slip fault zone. Both in Timmins and Kirkland Lake there is evidence for early sinistral strike-slip, followed by a latest phase of dextral strike-slip deformation (not shown here, but see Fig. 4e). Net offsets, determined by matching pairs of the most likely piercing points on either side of the principal faults, indicate large sinistral net displacements (e.g. ~10–100 km).

More recent work by Frieman et al., 2017 in the Kirkland Lake gold camp has shown that a majority of the gold deposits in the district are hosted by second- and third-order structures off the Cadillac-Larder Lake Deformation Zone (CLLdz). Mapping has revealed that discrete high-strain zones (shear zones) (HSZ) are repetitive north of the CLLdz upwards of to 10 km and that each of these HSZs are host to gold deposits and occurrences representing pathways for hydrothermal fluids along a series of second- to - third-order structures.

## 8.2 SYENITE-HOSTED OROGENIC GOLD DEPOSITS

The following description of the Young-Davidson syenite-hosted gold mineralization is largely taken from a 2016 NI 43-101 Report by Alamos Gold on their Matachewan-based gold mine.

“The syenite-hosted gold deposits, commonly associated with quartz-monzonite to syenite stocks and dikes, have been individualized as a distinct group of gold deposits, well represented in the Abitibi Greenstone belt and particularly at the Porcupine and Kirkland Lake districts, Northern Ontario.

According to Robert (2004), the syenite-hosted gold deposits occur mainly along major fault zones, in association with preserved alluvial-fluvial, Timiskaming-type, sedimentary rocks. Robert (2004) describes the gold mineralization in these deposits as being represented by disseminated sulphide replacement zones, with variably developed stockworks of quartz-carbonate-K-feldspar veinlets within zones of carbonate, albite, K-feldspar, and sericite alteration. Syenitic intrusions are broadly contemporaneous with deposition of Timiskaming sedimentary rocks and, together with disseminated gold mineralization; they have been overprinted by subsequent regional folding and related penetrative cleavage.

The disseminated gold mineralization occurs within composite syenitic stocks or along their margins, along satellite dikes and sills, and along faults and lithologic contacts away from intrusions. Robert (2004) has interpreted the mineralized bodies as proximal to distal components of large magmatic-hydrothermal systems centered on, and possibly genetically related to, the composite syenitic stocks.

The Young-Davidson deposit, also located in the Abitibi greenstone belt, can be classified as an Archean, syenite-hosted gold deposit. The gold mineralization is primarily related to quartz veinlet stockworks and disseminated pyrite mineralization, mostly enclosed within the syenite intrusion boundaries, or very close to the contacts with the enclosing rocks and is frequently associated with broader zones of potassic alteration.

This type of mineralization is also present in the Yilgarn block (Kalgoorlie, Western Australia), where the Jupiter deposit shares some of its characteristics. Similarly, the Wallabi gold deposit bears similarities with the Young-Davidson deposit, in particular the Archean age, and the association of gold mineralization with hematite alteration in the proximities of a syenitic intrusion. However, in the Yilgarn block the gold mineralization is related to a broader range of granitoid host rocks.”

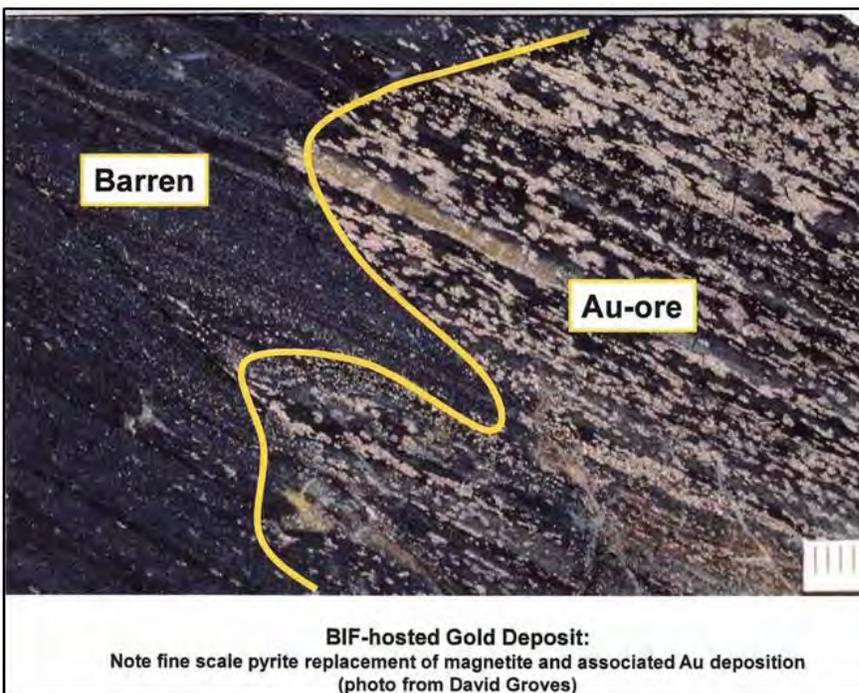
### 8.3 BANDED IRON FORMATION-HOSTED GOLD DEPOSITS

The KLV claim group hosts banded iron formations.

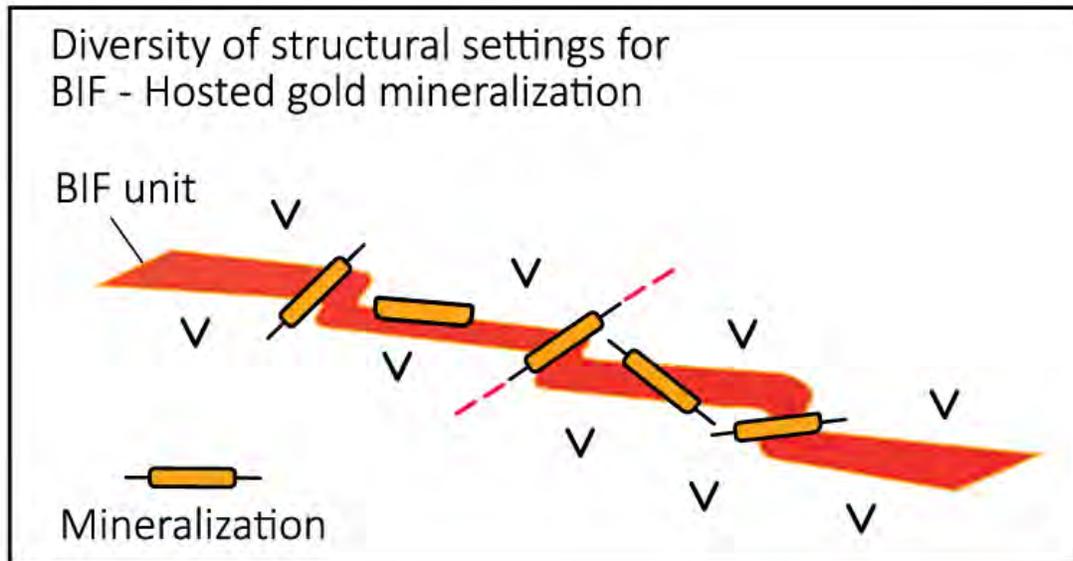
In general, gold deposits in banded iron formations (BIF's) contain 0.1 to 100 million tonnes of ore grading between 4 and 30 grams per tonne. The Homestake mine, a world-class example of this deposit type has produced over 40 million ounces of gold at an average grade of 6.8 g/t Au since operations began in 1876. The Geraldton gold camp, Pickle Lake gold camp and the Musselwhite gold mine are all prime Archean-aged BIF-hosted gold deposits of Ontario greenstone belts. The Lupin Mine, Meadowbank Mine and Medialine mine in the Northwest Territories and Nunavut are other prime Canadian examples of significant BIF-hosted gold deposits.

BIF-hosted gold deposits are formed by the reaction of auriferous and sulphur-bearing hydrothermal fluids with the iron oxide in country rocks, causing precipitation of gold and sulphides through replacement of magnetite (Figure 8.2). Important common features of BIF-hosted gold deposits include a strong association between native gold and iron sulfide minerals, the presence of gold-bearing quartz veins and/or shear zones, the occurrence of deposits in structurally complex terranes, and the lack of lead and zinc enrichment in the ores. BIF-hosted gold is restricted to late structures (quartz veins and/or shear zones) and/or sheared sulfide BIF immediately adjacent to such structures.

**Figure 8.2** Sulphidation of magnetite by pyrite plus gold. Source David Groves



**Figure 8.3** Diverse structural setting for BIF-hosted gold mineralization (internal BIF study, Kilbourne).



Orogenic gold deposits should be the focus of future exploration activities on the Properties.

## 9.0 EXPLORATION

Exploration work by Warrior Gold has been focused on the Goodfish-Kirana property. The KLW and KLC properties were acquired in the summer of 2021. Between the years 2011 through 2014, Champagne Resources (now Warrior Gold) consolidated the Goodfish-Kirana Property from several vendors. Since 2014, Champagne has undertaken a number of initiatives to make use of historical information to generate a consolidated and systematic overview of the Property which would aid in focusing exploration efforts to areas of high merit including the Kirana Break area and gold mineralization at the A and C Zones.

Compilation and exploration programs on the Property included:

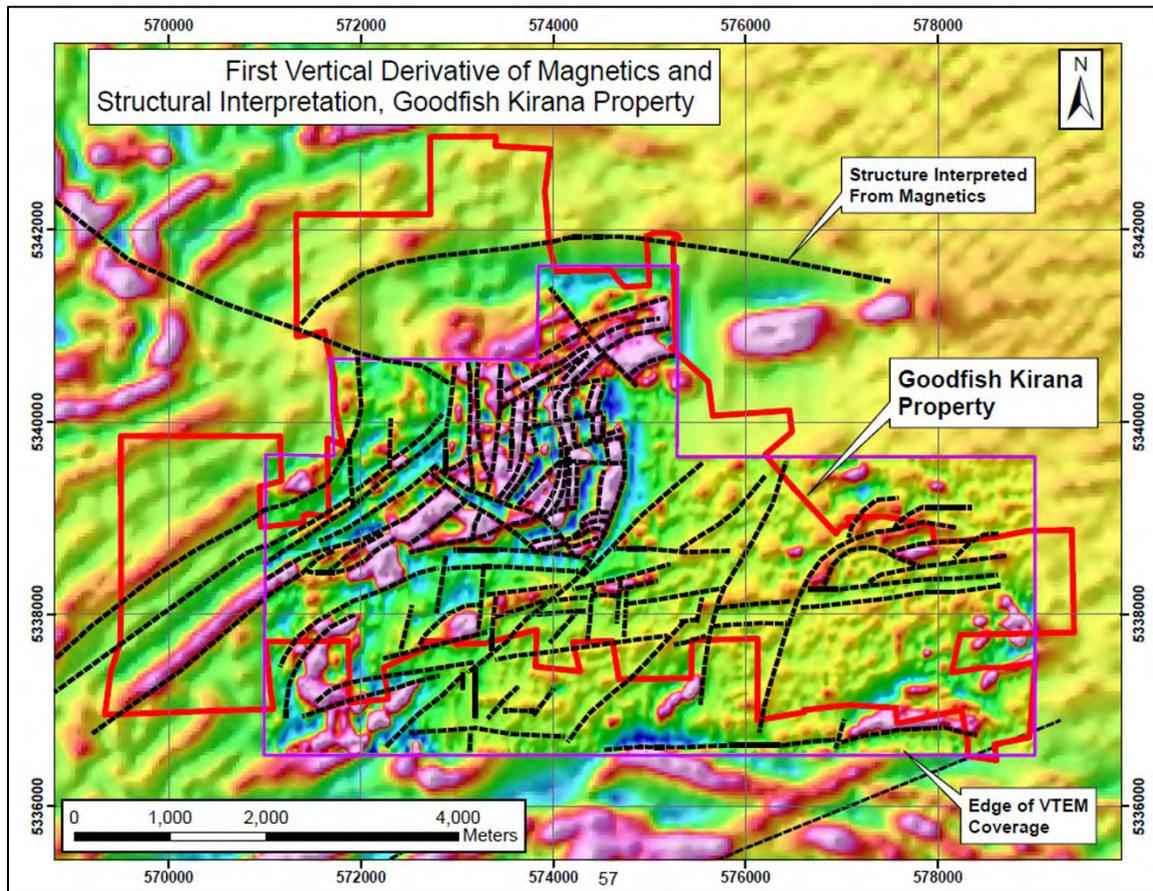
- 1) **2012:** GeoVector completed compilation of historical work on the GK claim group.
- 2) **2012:** GeoVector reprocessed geophysical airborne data, 2008 IP survey data and created a digital elevation model (DEM) from NASA's Shuttle Radar Topographic Mission (SRTM).
- 3) **2015:** Orix Geoscience Inc. used the GeoVector-generated database and additional information to produce two- and three-dimensional interpretations of various drill hole supported mineralized zones.

- 4) **2015:** Property-wide LiDAR survey was flown.
- 5) **2018:** Terraquest completed 941.5 line-km of airborne magnetometer and VLF-EM.
- 6) **2018:** CXS completed ground IP (6.7 km), magnetometer and VLF survey (45.3 km).
- 7) **2018:** CXS completed 3D distributed IP survey (3.45 km) over the Deloye historical shaft area.
- 8) **2016:** Relogging and resampling of historical core
- 9) **2016 and 2019:** Prospecting program conducted by Bjorkman Prospecting.
- 10) **2016 to 2021:** Drill programs totaling 63 diamond drill holes and 14,290 metres.
- 11) **2021:** Prospecting and mapping.

**2012:** GeoVector's compilation efforts are the result of the exploration history found in Sections 6.2 through 6.4 in this Technical Report. It has also been well documented in Setterfield, 2017.

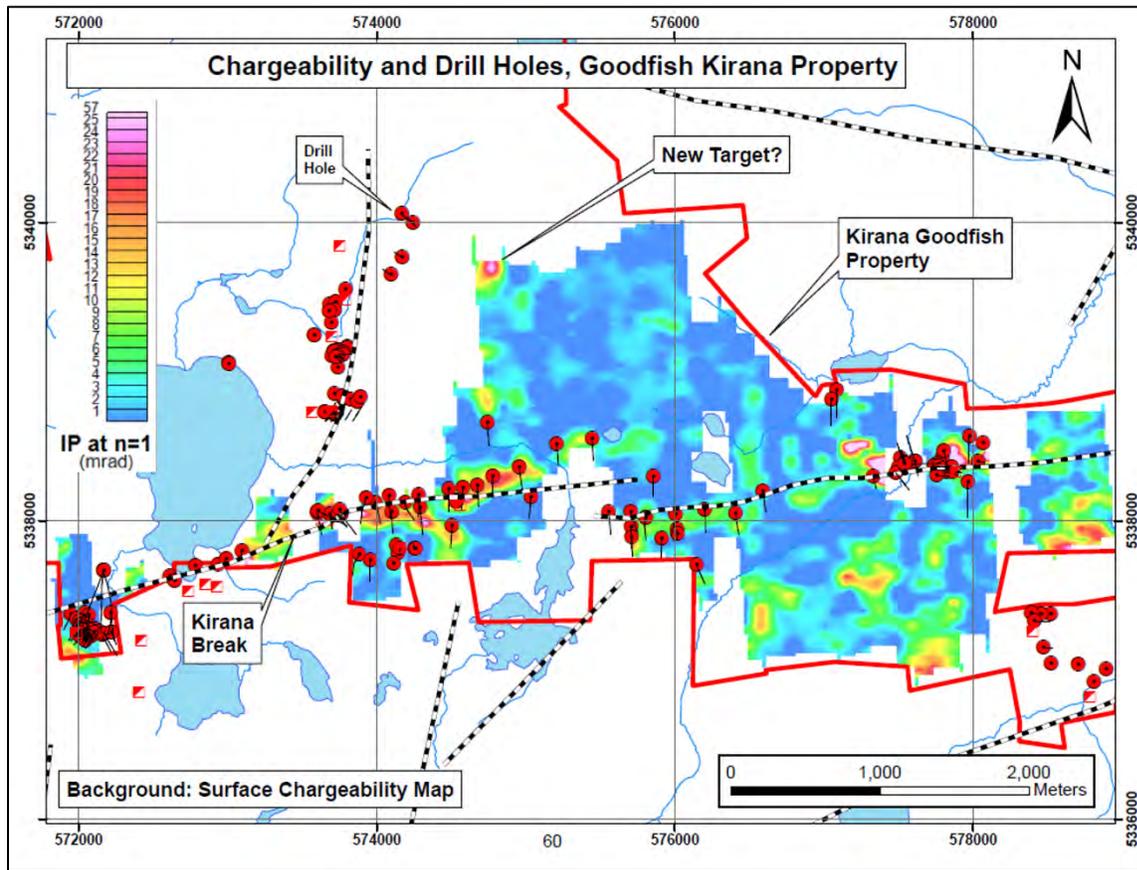
**2012:** GeoVector acquired and reprocessed regional airborne magnetic data from the Ontario Geological Survey (OGS, 2003). The original VTEM data acquired by Northern Gold was also reprocessed by GeoVector, and a structural interpretation of the GK group completed. The interpretation suggested a very complex structural scenario in the central GK claim group (Setterfield, 2018) (Figure 9.1).

**Figure 9.1** First vertical derivative of airborne magnetic and structural interpretation on the GK claim group. Source Setterfield, 2018.



GeoVector obtained the raw data from Northern Gold's 2008 IP survey, and generated chargeability and resistivity images of the N=1 (nominally the surface) data. The chargeability shows an intermittent but pronounced easterly trending anomaly roughly coincident with the Kirana Break (Figure 9.2). It is apparent that Northern Gold used this information to target a number of their drill holes. The same image also shows a strong anomaly at the northern edge of the survey; this anomaly may represent an exploration target (Setterfield, 2018).

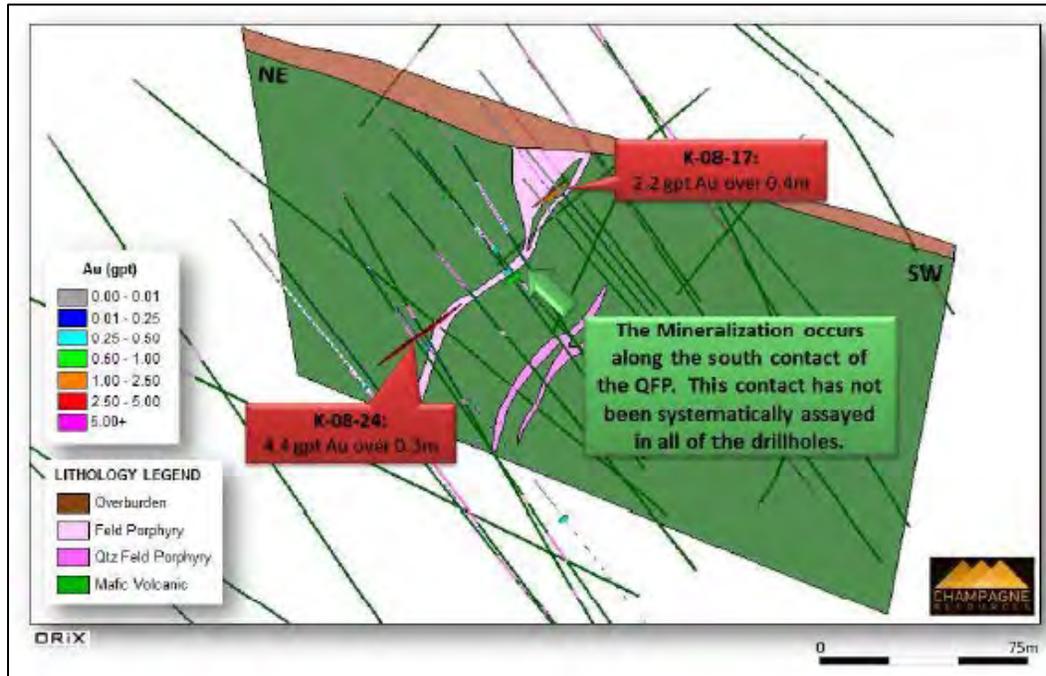
**Figure 9.2** Chargeability contours and historic drilling on the GK claim group. Source Setterfield, 2018.



**2015:** Orix Geoscience compiled and digitized historical geological maps of various scales and vintages, compiled first drill hole database, and incorporated surface grab samples from historical data. Using this data, Orix interpreted the surface geology. The map indicated that although outcrops along the Kirana Break are not extensive, a significant number of them were porphyries and they appeared to be spatially associated with gold mineralization. Vertical sections along the break showed historical drilling that were very selectively sampled and reiterated the apparent relationship of porphyries and gold mineralization (Setterfield, 2018).

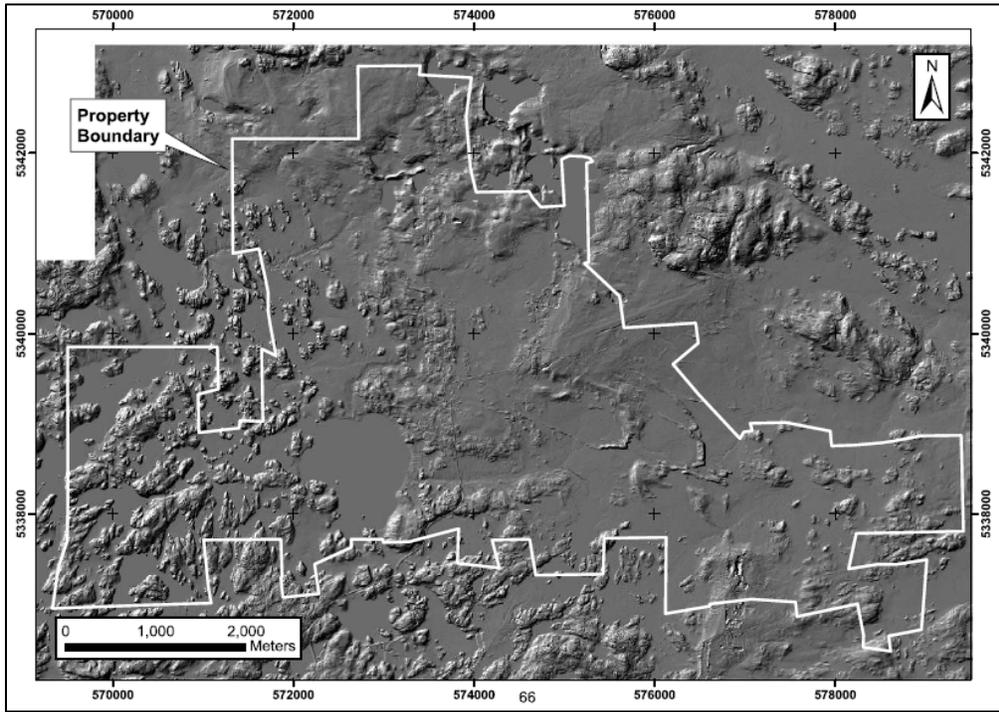
Orix synthesized their observations into a schematic cross-section (Figure 9.3) which shows the tendency of known mineralization to be associated with a major structure and with porphyry-type felsic intrusions, and to have a halo of lower-grade mineralization surrounding the higher-grade core. They note that gold ( $\pm$  silver) mineralization is typically associated with sulphides (pyrite, lesser chalcopyrite and molybdenite) and that a halo of iron carbonate alteration is common around mineralization (Setterfield, 2018).

**Figure 9.3** Schematic cross-section showing relationship of felsic porphyries with major structure.

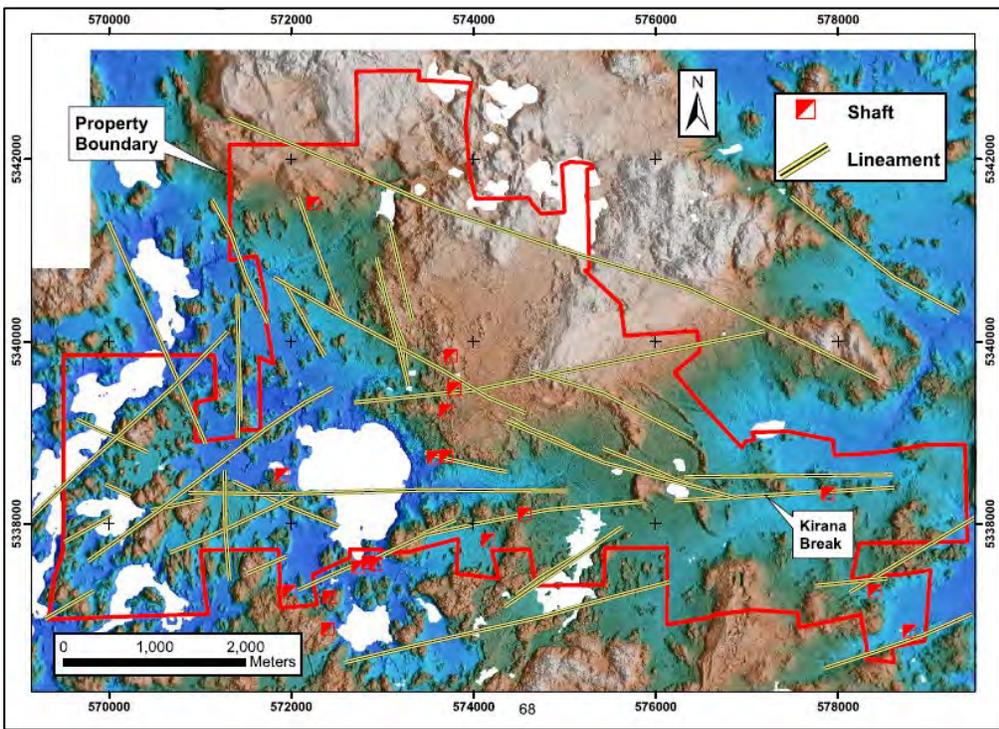


**2015:** A LiDAR (Light Detection and Ranging) survey was completed over the Property by KBM Resources Group of Thunder Bay in 2015. Deliverables included a Bare Earth Digital Elevation Model (Figure 9.4), a mosaic single-image orthophoto covering the entire property, and original LiDAR point cloud data (Figure 9.5). LiDAR data is useful for inferring the location of structures which may have controlled the location of mineralized fluids and thus might be loci for metal deposition. The LiDAR images can be overlain on geophysical images or illuminated from different sun angles to identify various lineaments. These lineaments (including the Kirana Break) are obvious targets for prospecting.

*Figure 9.4 LiDAR survey image (Bare Earth Type).*



*Figure 9.5 False colour LiDAR, east sun-shaded.*



**2016:** In 2013, Warrior Gold (Champagne) gained possession of Northern Gold (NG) historical drill core from 2008. The core was repositioned to the Canadian Exploration Services (CXS) core yard in Larder Lake. The core was photographed and boxes were retagged as needed. In 2016, core from 42 of the holes was relogged and sampled (Neelands, 2017). Northern Gold drilled most of the holes on the Kirana Break and at Fidelity. Both new shoulder sampling and resampling was completed on 31 holes and 451 samples (including standards and blanks, 42201 to 42651) were sent to Swastika Laboratory (Table 9.1). Drill core from 6 holes had been cut by Northern Gold but not sent for analysis. Including standards and blanks, 335 of these samples were sent to the lab for analysis. Another batch of pulps was sent for re-analysis from holes K-08-035 to -046. In total, 1,006 samples were analyzed as part of this resampling program.

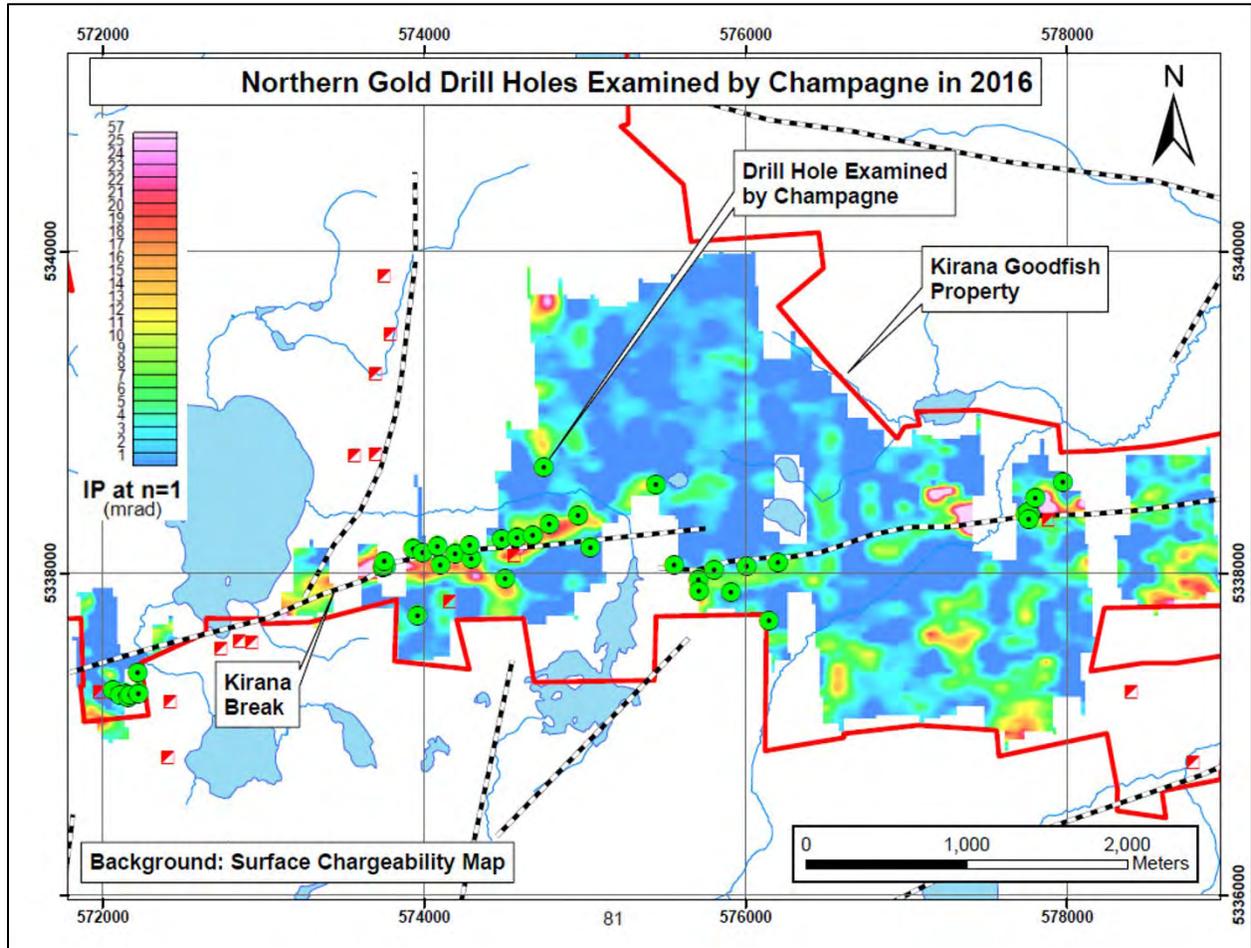
The results showed areas of low grade (0.1 to 0.5 g/t Au) around the selectively sampled historical drill core. Higher grade intersections appeared to support the quality of the historical assaying. Samples from the previously cut, but not sampled core in K-08-035 to -046 returned anomalous to elevated gold values. For example, K-08-035 contained 3.20 g/t Au over 0.30 m and 1.47 g/t Au over 0.30 m and K-08-045 returned 2.17 g/t over 1.0 m. Neelands found that anomalous gold (>0.10 g/t Au) is typically associated with the footwall of the north-dipping QFP dikes, high chargeability and resistivity anomalies and LiDAR lineaments. He recommended prospecting, trenching, structural mapping and further drilling (Figure 9.6).

**TECHNICAL REPORT ON THE KIRKLAND LAKE PROPERTIES FOR WARRIOR GOLD**

**Table 9.1** List of drill holes re-logged by Neelands, 2017 and significant results in g/t Au. Source Setterfield, 2018.

Hole Number	Significant Results	Hole Number	Significant Results
K-08-01	0.56, 0.48, 0.37, 0.30, 0.24, 0.02, 0.17, 0.16	K-08-60	1.92, 1.17, 0.82, 0.55, 0.34, 0.22, 0.21, 0.14, 0.14, 0.08, 0.07, 0.07, 0.07, 0.07, 0.07
-02	0.12, 0.06, 0.05, 0.04	-61	2.74, 2.33, 2.33, 1.51, 0.96, 0.82, 0.69, 0.69, 0.41, 0.34, 0.21, 0.14, 0.14, 0.14, 0.14, 0.14, 0.07, 0.07, 0.07, 0.07, 0.07, 0.07
-17	2.19, 1.17, 0.14, 0.07	-62	0.07, 0.03
-21	3.26, 3.16, 0.27, 0.07	-63	0.12, 0.12, 0.62, 0.34, 0.21, 0.14, 0.14, 0.07, 0.07, 0.07
-35	3.20, 1.47, 0.65, 0.25, 0.14, 0.13, 0.12	-64	1.65, 0.82, 0.75, 0.55, 0.41, 0.34, 0.23, 0.22, 0.21, 0.17, 0.11, 0.10, 0.07, 0.07, 0.07
-36	0.75, 0.31, 0.29, 0.20, 0.14	-65	0.69, 0.21, 0.07, 0.07, 0.05
-37	All <0.01, Sampled by CRL	-66	1.99, 0.49, 0.36, 0.35, 0.21, 0.17, 0.13, 0.11, 0.07, 0.05, 0.03, 0.02
-39	1.99, 0.55, 0.21, 0.21, 0.14, 0.07, 0.07, 0.07	-67	0.12, 0.13, 0.10, 0.07
-43	0.21, 0.05, 0.03, 0.03, 0.03, 0.02	-68	0.21, 0.19, 0.15, 0.14, 0.13, 0.12, 0.11, 0.07, 0.05
-45	2.17, 0.18, 0.11, 0.09, 0.06, 0.05, 0.04, 0.04, 0.02, 0.01	-69	0.41, 0.27, 0.14, 0.07, 0.03
-46	0.62, 0.47, 0.39, 0.33, 0.29, 0.27, 0.21, 0.16, 0.11, 0.07, 0.03, 0.02	-70	2.74, 1.51, 0.55, 0.99, 0.43, 0.41, 0.34, 0.34, 0.31, 0.28, 0.27, 0.24, 0.23, 0.14, 0.13, 0.07, 0.07, 0.07
-47	0.18, 0.07, 0.05, 0.04, 0.03	-71	0.55, 0.21, 0.07, 0.05, 0.04
-48	0.21, 0.14, 0.11, 0.06, 0.05, 0.04, 0.04, 0.03, 0.03	-73	0.62, 0.55, 0.07, 0.07, 0.02
-50	1.54, 0.72, 0.51, 0.30, 0.28, 0.17, 0.15, 0.14, 0.14, 0.13, 0.12, 0.12, 0.11, 0.07, 0.07	-74	1.26, 0.34, 0.23, 0.13, 0.11, 0.05, 0.04
-52	1.13, 0.25, 0.17, 0.08, 0.06, 0.06, 0.05, 0.04	-75	1.63, 1.13, 0.25, 0.20, 0.08, 0.03,
-53	All results <0.01	-76	0.92, 0.24, 0.15, 0.12, 0.08, 0.06
-54A	0.62, 0.27, 0.07, 0.07, 0.07, 0.07	-77	0.15, 0.09, 0.06, 0.05
-56	0.02, 0.02, 0.01, 0.01	-78	0.21
-57	0.03, 0.02, 0.02, 0.02, 0.02, 0.02	-79	1.10, 1.03, 0.62, 0.27, 0.16, 0.14, 0.07
-58	1.44, 0.48, 0.27, 0.14, 0.07, 0.07, 0.03	-81	0.25, 0.04, 0.03, 0.01
K-08-59	5.90, 1.58, 1.32, 0.48, 0.18, 0.08, 0.03	-93	0.27, 0.41, 0.14, 0.12, 0.11, 0.09, 0.07, 0.07, 0.07

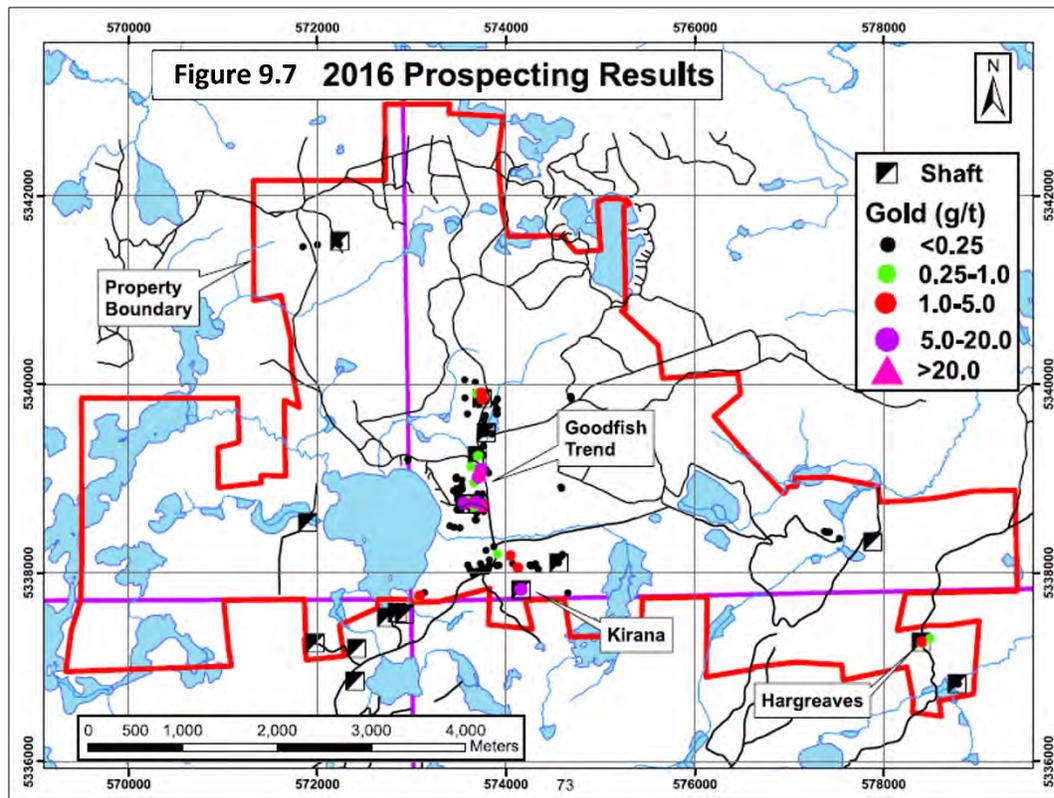
Figure 9.6 Drill hole locations examined by Neelands, 2017. Source Setterfield, 2018.



**2016:** A 20-man day prospecting program was conducted by Bjorkman Prospecting in October 2016. The main areas of focus of the program were the Goodfish Trend and the western end of the Kirana Break. Ten shafts were found and their co-ordinates were recorded. Seventy-six trenches were found, many of which were overgrown. A total of 190 grab samples were collected and assayed for gold. Results ranged from below detection to **220.03 g/t Au**. Samples with anomalous gold were obtained from three areas including the Hargreaves Shaft area in the southeastern part of the Property, the Kirana Break area, and particularly along the Goodfish Trend where the majority of samples were collected (Figure 9.7). Samples with more than 1 g/t Au were obtained over a 1.2 km strike length, typically from trenches with a number of samples reporting greater than 5 g/t Au. The high-grade samples were commonly comprised of quartz-carbonate veins or sheared, silicified mafic volcanics with abundant pyrite. Three samples with **>50 g/t Au** were

collected with the highest value of **220.03 g/t Au** from a quartz-carbonate vein with fine-grained pyrite (Setterfield, 2018).

**Figure 9.7** 2016 prospecting results by Bjorkman Prospecting.



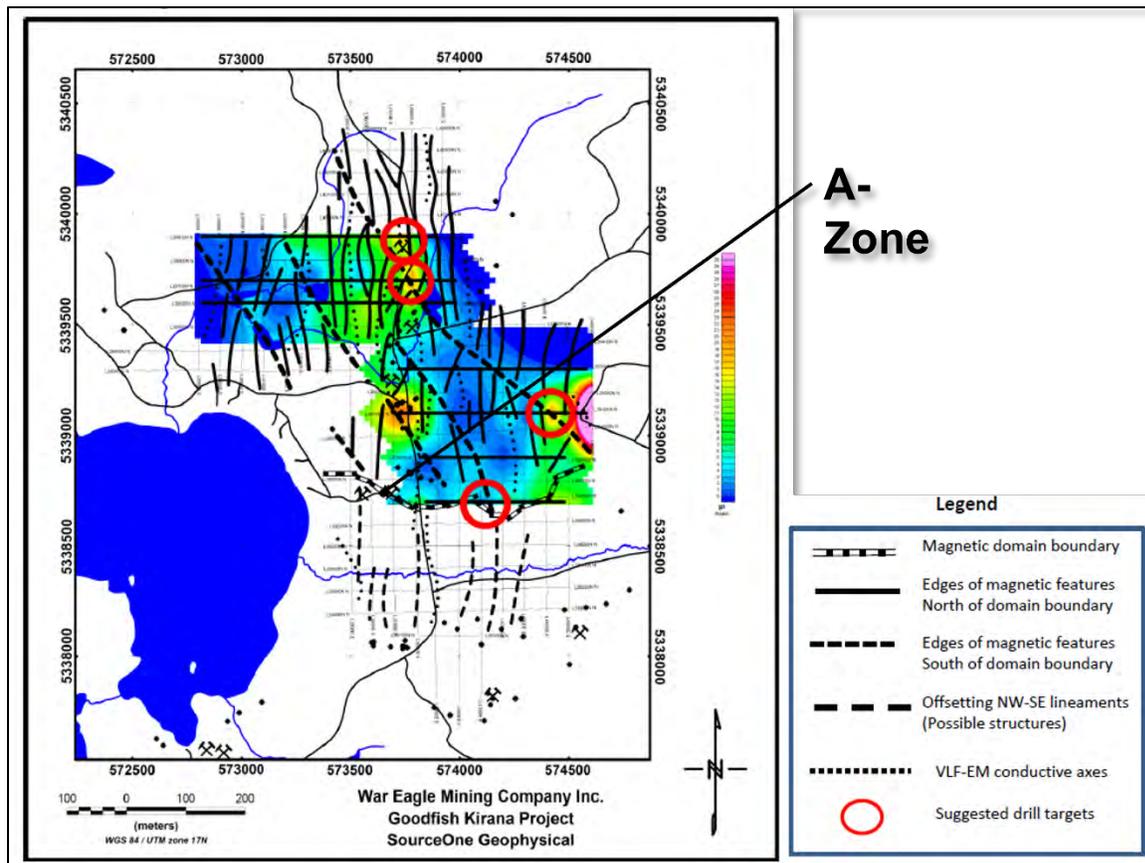
**2017:** GeoVector reprocessed regional airborne magnetic data from the Ontario Geological Survey and the VTEM data acquired over the Property by Northern Gold. Preliminary interpretation suggests the area around the Goodfish Trend is structurally complex. The bulk of the Property contains east-trending structures (collectively the Kirana Break) displaced by north to northeast-trending structures. Gold anomalism has been sampled along the 8-km strike length of the Kirana Break within the Property, suggesting that this break merits further exploration (Setterfield, 2018).

**2018:** In March of 2018, (CXS) conducted an induced polarization (IP) survey, a total-field magnetometer survey and a VLF-EM survey for War Eagle Mining Company (formerly Champagne Resources and now Warrior Gold). The IP data was acquired in a dipole-dipole array to a depth of  $n=10$ . A total of 6.675-line kilometers of IP data were collected. A total of 45.3 kilometers of walking magnetometer data and VLF data were also acquired. In May of 2018, Source One Geophysical was contracted by War Eagle to process the

geophysical data and provide an interpretation with the goal of identifying favorable locations for drilling targets to discover additional gold and associated mineralization.

Multiple magnetic lineations and VLF-EM conductors and several large NW-SE-trending structural features were identified as possible controls to gold mineralization. Four separate IP anomalies were identified as possible sulphide mineral occurrences and were recommended for drilling (Figure 9.8) (Source One Geophysical, 2018).

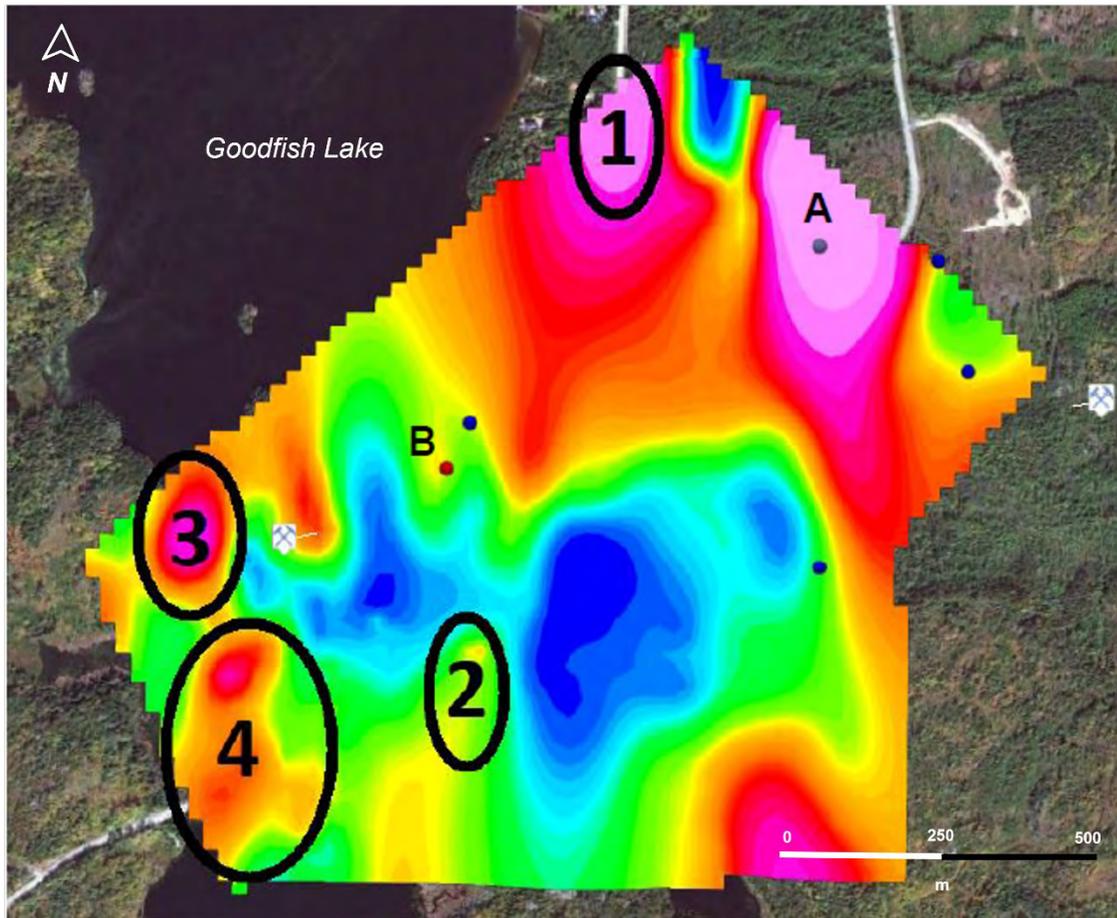
**Figure 9.8** Structural map over 2-D IP inversions at 100 m depth and suggested drill targets. Source One Geophysical, 2018.



**2018:** CXS performed a 3D Distributed IP survey over the Deloye Project for a total length of 3.45 kilometres. The survey spanned a footprint of 1.425 km<sup>2</sup>, and data was collected at a 50m current injection interval. A total of 2740 clean IP data points were collected with a maximum depth inverted up to 460 metres. Both inverted chargeability and resistivity data were modelled in 3D. Strong chargeability and high resistivity signatures emerged from the inversion of the dataset indicated by the surface information. Since the survey block is an irregular shape, some of the anomalous features may be stretched due to the

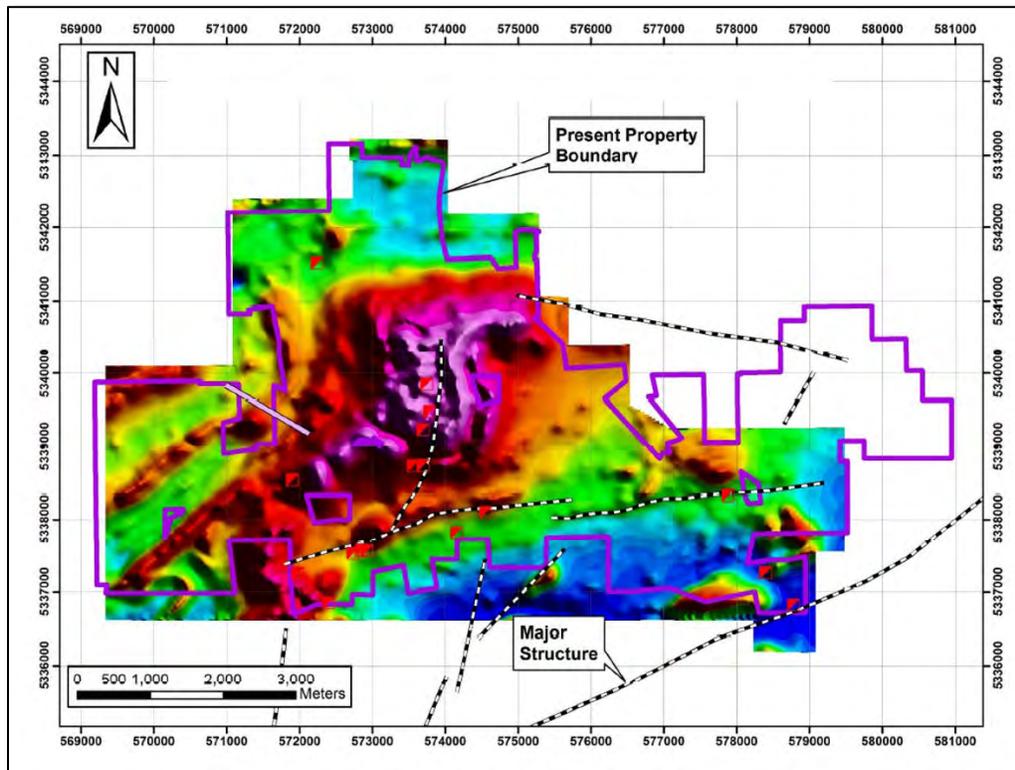
geometry of the model edge blocks. The 3D IP survey was tightly constrained within the property boundaries. Even with this constraint, the historical showings were all highlighted as areas of elevated chargeability. Using this as a signature guide, four additional targets were identified (Figure 9.9).

**Figure 9.9** Chargeability 300m MSL slice with interpreted targets. Source CXS, 2018.



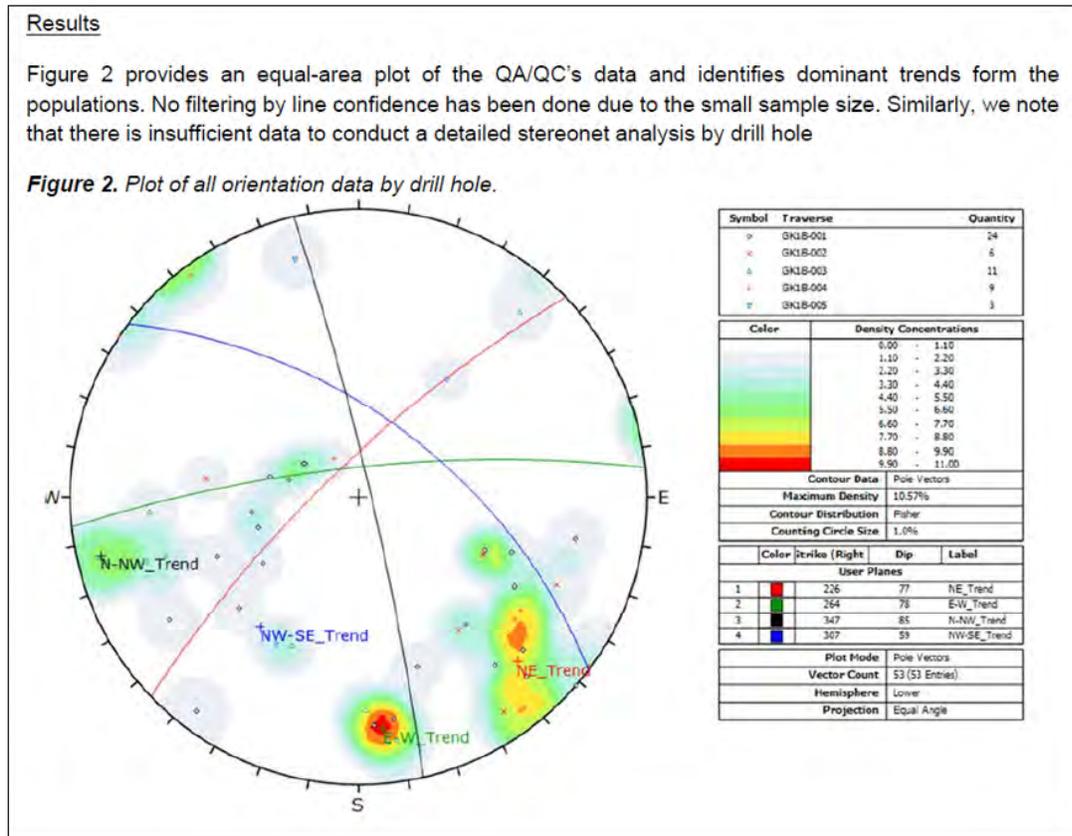
**2018:** Terraquest Ltd. flew a magnetic/VLF-EM survey over the Property to the limits current to April 2018 (Setterfield and Chadwick, 2021). The main feature shown by a Total Magnetic Intensity (TMI) image is a strongly magnetic domain in the central part of the Property (Figure 9.10) Part of this domain is bounded to the south by the Kirana Break, and to the north by a dramatic, linear change in magnetic intensity that could be structurally controlled. Two major northeast linear features occur on the southwest side of the magnetic domain. Internal variations within the high domain suggest a folded magnetic stratigraphy; this area has been mapped as mafic volcanics. The VLF results revealed several east-northeast-trending features, one of which corresponds to the eastern extension of the Kirana Break.

**Figure 9.10** Total field magnetic signature over the Goodfish-Kirana block. Source Setterfield and Chadwick, 2021.



**2018:** Warrior Gold engaged Terrane Geoscience Inc. (“Terrane”) to complete oriented core training, QA/QC of oriented core data and provide recommendations for additional structural assessment for the GK claim block. The oriented core QA/QC was completed after the 2018 drill program on holes GK18-001 through GK18-005. A total of 53 planar orientation measurements were recorded during orientation logging. The review did not identify any obvious small circle artifacts, suggesting “spun-core” in the data. Several drill holes show what could be interpreted as a weak bias in the data; however, there was not enough data to conclude that the data was unreliable. No corrections for small circle artifacts were made to the database. Results of the study are found in Figure 9.11.

Figure 9.11 Results of the oriented core QA/QC study.



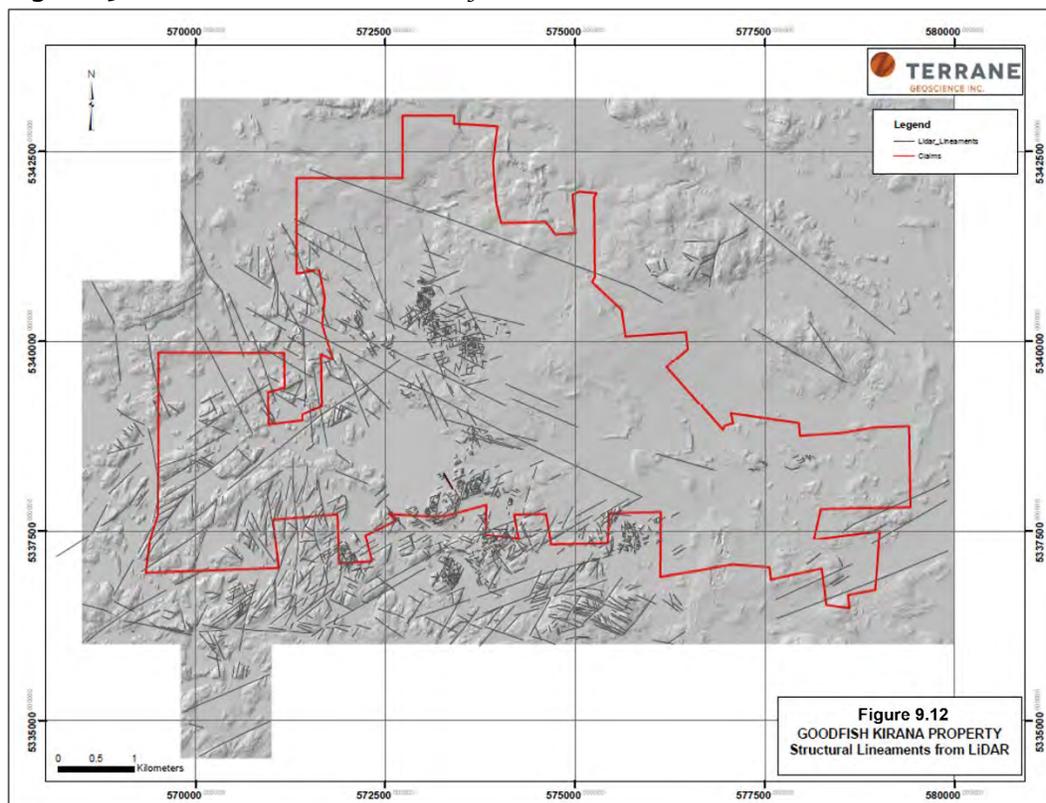
Terrane carried out a structural lineament analysis over the property using available LiDAR imagery and geophysical survey data. This was done to both validate the down hole orientation data and to identify possible structural controls on mineralization.

General observations included:

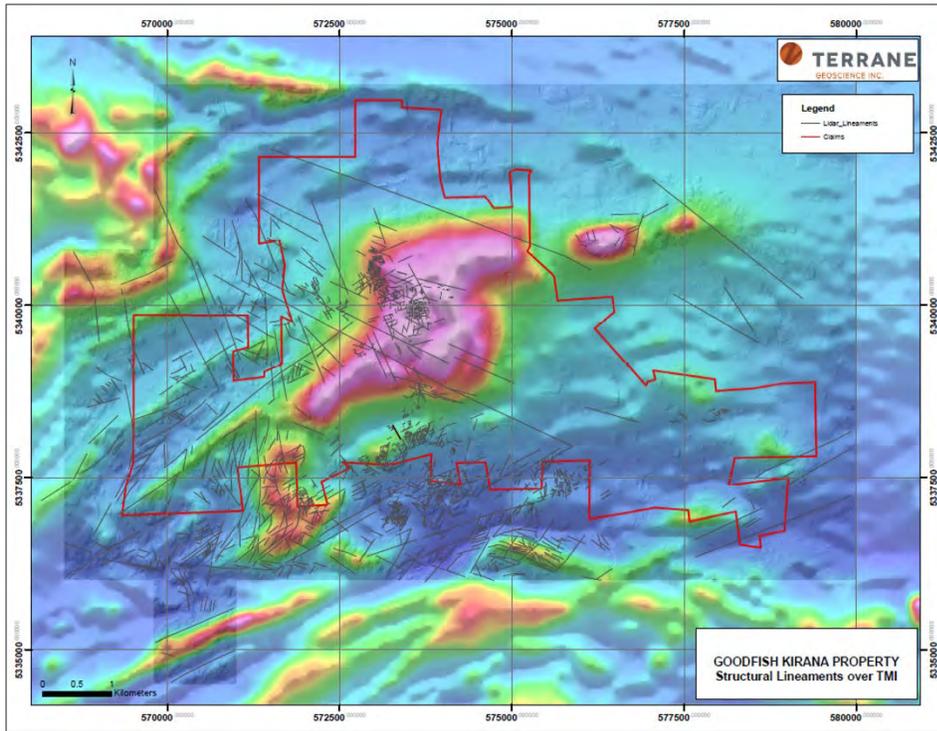
- Dominant NE trend:** Most persistent lineaments are a set of  $060^{\circ}$ -trending structures that parallel the Kirana Break. These are most commonly observed in the southern part of the property (Figures 9.12, 9.13 and 9.14) and appear to control grade along the Kirana Break. The trend is supported in the down hole orientation data (NE Trend - Figure 9.13)
- N-NW Trend:** A series of spaced lineaments trending approximately  $350^{\circ}$  appear to be the dominant structure controlling the disruption in the magnetic data underlying the GK claim group on the east side of Goodfish Lake (Figures 9.12, 9.13 and 9.14). The lineaments are represented by the NW Trend identified in Figure 9.11. The GK group appears to be bound on either side by two of these NW structures. Similarly, mineralization in Zone B appears to be aligned along this orientation.

- NW-SE Trend:** A secondary trend bisects the NW-trending lineaments in the area underlying Goodfish Lake and to the south. The 305° trend is dominant at an outcrop scale (Figures 9.12, 9.13 and 9.14) and is axial planar to possible kink folds in the magnetic lineaments at the Goodfish Zone ((Figures 9.15 and 9.16). The trend may also be coincident with the A Zone in the Goodfish block. The NW-SE Trend is less prominent in the down hole data (Figure 9.11).
- Magnetic Destruction:** There appears to be a possible correlation between zones of magnetic destruction (structure, alteration, etc.) and mineralization (Figure 9.16). Magnetic destruction or disruption mainly appears to be occurring where regional N-NE and NW-SE structures cross major NE-trending lineaments /lithological layering, suggesting possible exploration potential in these areas.
- E-W Trend:** The E-W trend identified in the down hole orientation data (Figure 9.11) was not identified during the lineament analysis.

**Figure 9.12** Structural lineaments from LiDAR.



**Figure 9.13** Structural lineaments over total magnetic intensity.



**Figure 9.14** Structural lineaments over first vertical derivative of magnetics.

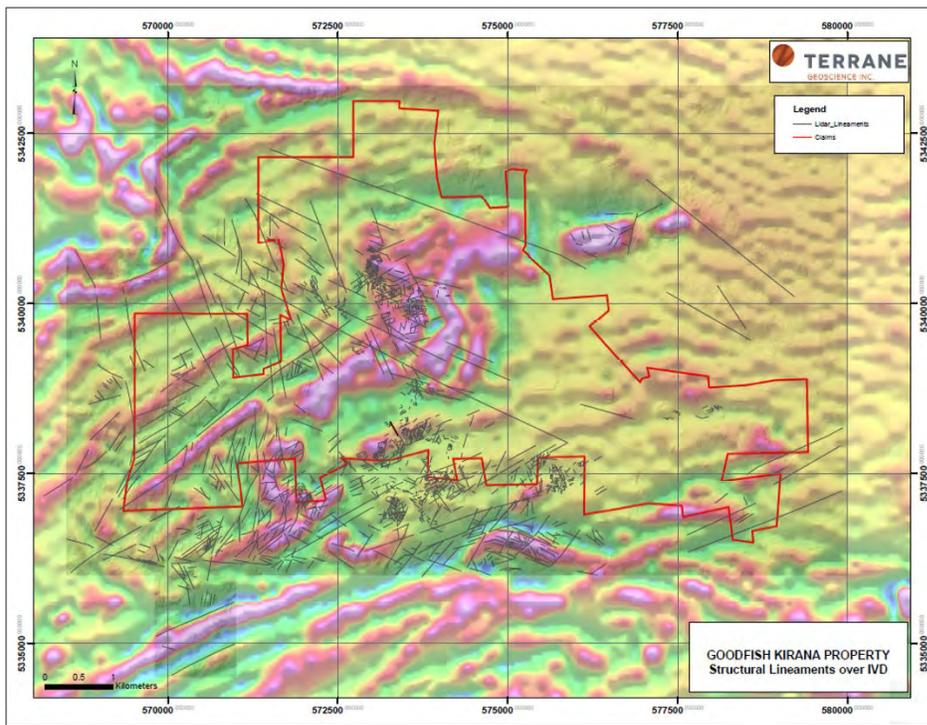


Figure 9.15 Major structural trends.

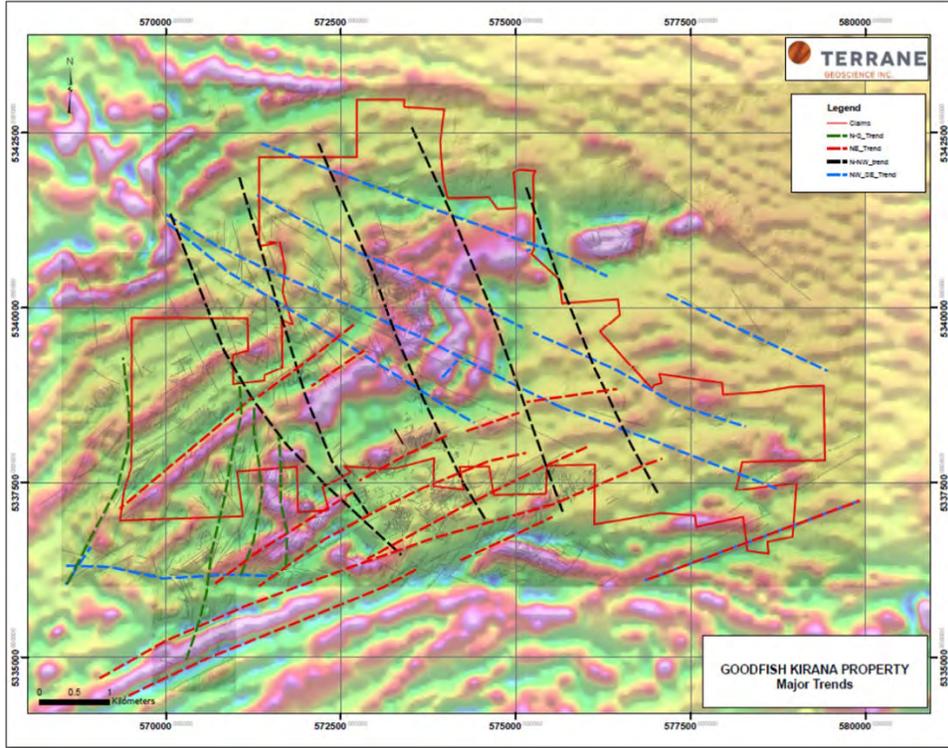
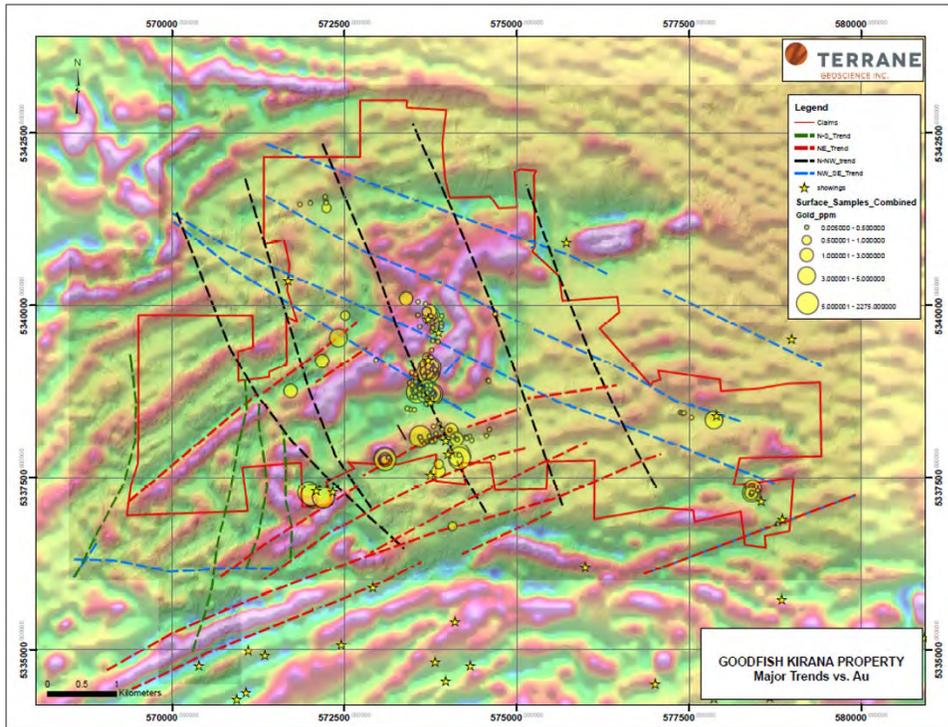


Figure 9.16 Major structural trends with gold tenors.

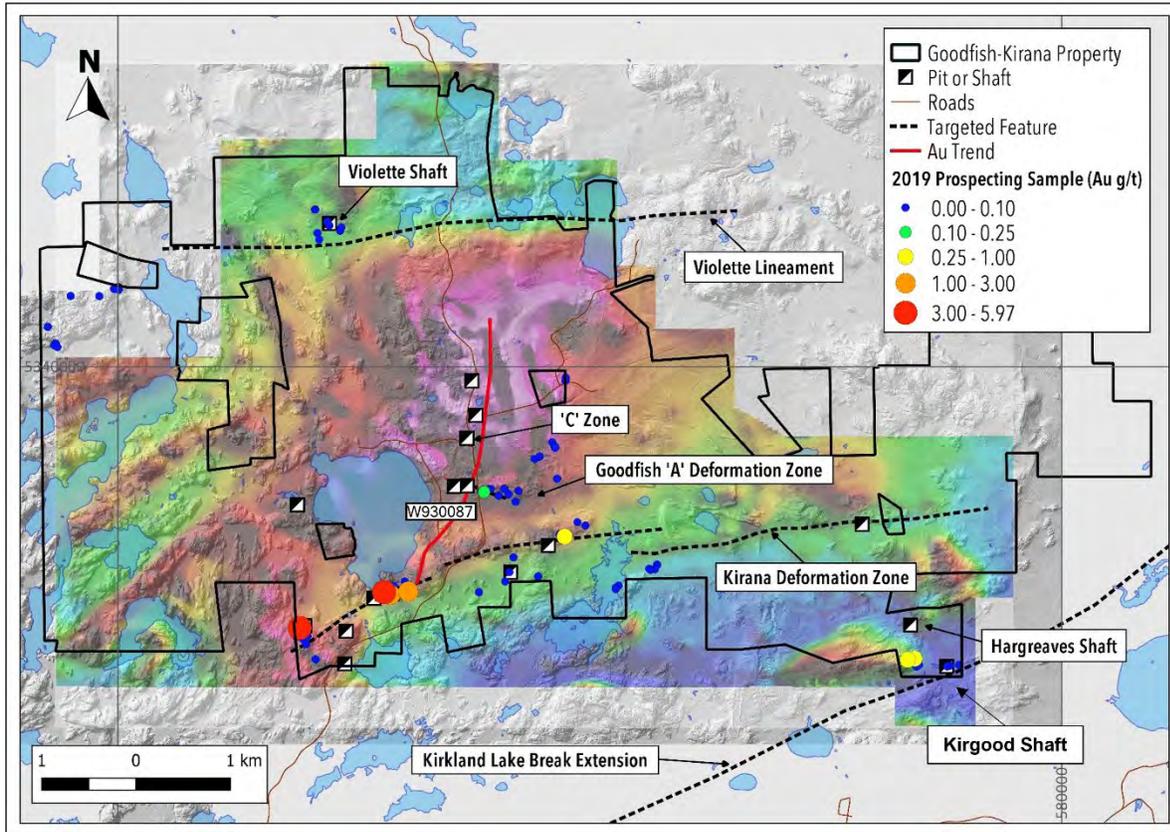


Conclusions and recommendations from Terrane include:

- The lineament analysis of LiDAR and geophysical data indicate three prominent structural trends on the property:
  - NE-trending lineaments consistent with the property-scale Kirana Break and regional Cadillac-Larder Lake Break;
  - N-NW-trending lineaments
  - lesser NW-SE-trending features
- Future exploration should focus on examining gold grades relative to these three orientations to determine potential favourable orientations for high-grade mineralization. In addition, Terrane recommends analysis of historical data and re-mapping historical trenches within this context.
- Background gold values along the Kirana Break appear to be sporadic based on past results. The intersection of the structural trends described above should be looked at for the potential to form high-grade shoots. Terrane recommends structural mapping on areas where the dominant NE trend (i.e. Kirana Break) structures intersect the NE-SW and N-NW-trending features.
- Historic showings and surface sample grades show a possible correlation with areas of magnetic destruction and disruption. Specifically, surface samples appear to show a broad linear correlation along a regional N-NW-trending structure. Terrane recommends additional mapping and trenching along these de-magnetized zones throughout the property to identify new target areas as well as help understand controls on known mineralization.
- Additional data analysis should be done as new data comes in to increase the overall structural understanding as well as to determine if the E-W trend identified from the down hole orientation data is genuine and to determine any possible significance on mineralization.

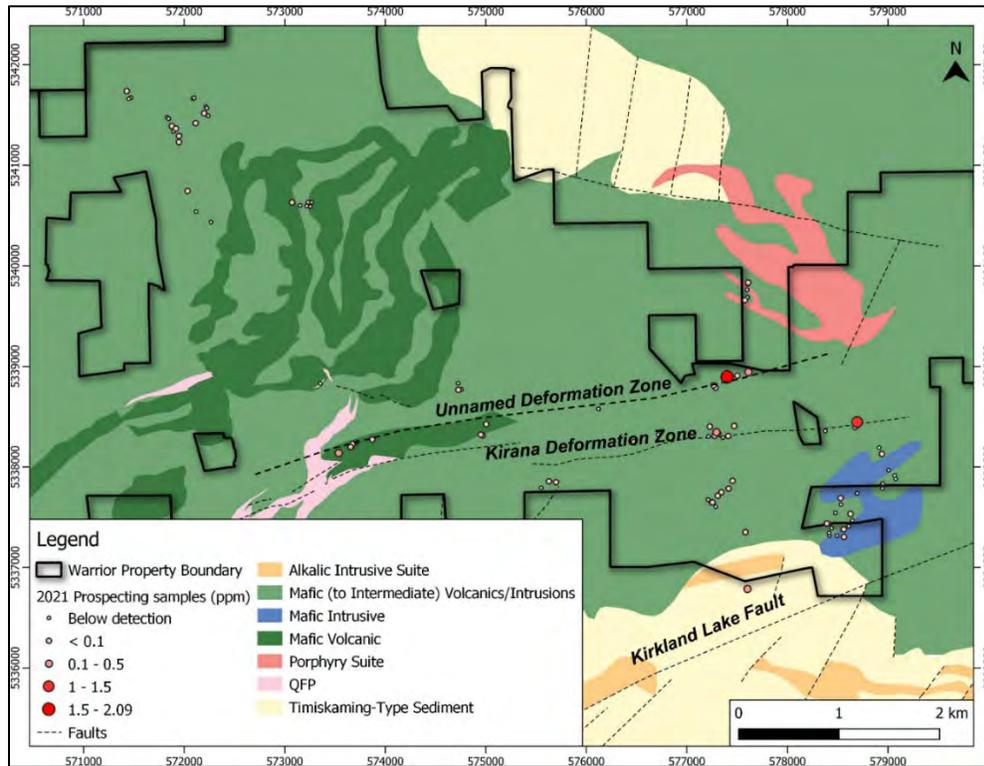
**2019:** Prospecting was completed on the GF claims between June 18 and July 01, 2019 and 118 samples were collected. Prospecting consisted of traversing, locating and sampling mineralization of several target areas. Proximal to the Goodfish Trend a few historical trenches returned anomalous gold values between 100-200 ppb Au. Sample W930087 assayed 210 ppb Au and is an altered volcanic with a 1-centimeter carbonate vein with 1% fine-grained pyrite (Figure 9.17) (Bjorkman, 2019).

Figure 9.17 Sample locations and results for the 2019 prospecting program. Bjorkman, 2019.



**2021:** A team of two prospectors spent 14 days, including travel, to prospect the Goodfish-Kirana Property during the period of June 8 to June 21, 2021; 124 samples were collected during this time (excluding standards and blanks). Prospecting consisted of traversing, locating and sampling mineralization of several target areas specifically along the Kirana Deformation Zone (KDZ), and the southeast portion of the property between the KDZ and the Kirkland Lake Fault (Main Break). Highlights include sample 7291, a grab sample that assayed **2.09 g/t Au, 21.5 g/t Ag and 1.95% Cu** collected from massive diorite with quartz stringers and blebby patchy pyrite with subordinate malachite. This sample as well as other anomalous samples appears to be within a deformation corridor yet unnamed and north of the KDZ (Figure 9.18). Additional highlights include a sample 7295, a grab sample that assayed **1.26 g/t Au and 0.18% Cu** collected from a grey massive silicified felsic intrusive with stockwork quartz stringers and disseminated pyrite. This sample is located along the KDZ.

**Figure 9.18** Plan map of the 2021 sampling and prospecting program.

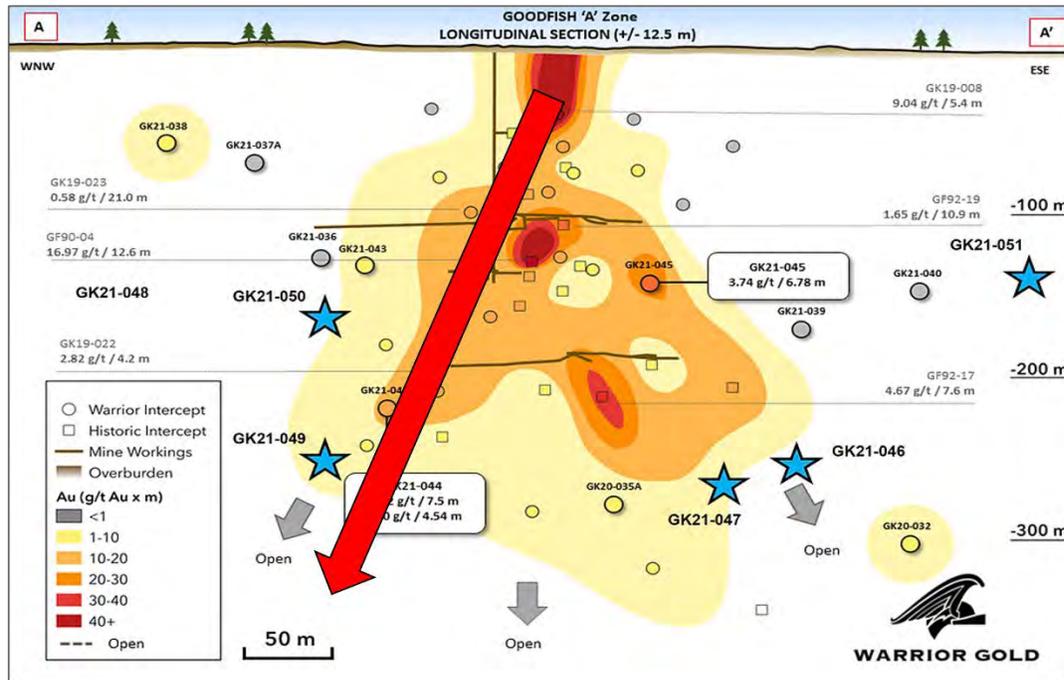


**2021:** For the 2021 drill programs (holes GK21-035 through GK21-053) Warrior Gold moved from orientated core to downhole Optical Televiwer (OTV) surveys conducted by Terrane Geoscience. OTV surveys are cost-effective and replace orientated core surveys by eliminating associated core recovery and orientation problems. Statistical analysis provides rose diagrams, stereonet, aperture, fracture-density, and 3D projections of the dominate fracture/vein networks.

Following Terrane’s study from the fall 2021 survey results, a steep west-dipping structural control to gold mineralization was supported by (Figure 9.19):

- Intersection of shear zones
- Symmetry of axis of quartz vein system (excluding low angle veins)
- Fold axes (also possible secondary shallow SE plunge direction)

**Figure 9.19** Steep plunge of gold mineralization at the A-Zone, GK claim group.



The optical televiewer surveys have substantially improved the quality of the structural database. Geometrical data from the structural database needs to be linked with direct observations of vein cross-cutting relationships, mineralogy, alteration and style with the objective of determining:

- A paragenetic sequence for the deposit
- Relative timing of mineralization event or events relative to structures and fabrics
- Kinematics of vein emplacement
- Link fabric and vein orientation data to regional tectonic history (D<sub>1</sub>, D<sub>2</sub>, D<sub>3</sub>, etc....)

Recommendations by Terrane included:

- Begin testing of plunge control hypotheses by updating the deposit long section, 3D geostatistical modelling of mineralization distribution and testing targets down-plunge to the west in future drill campaigns.
- Continue stereonet analysis of structural data. Additional test could include quantitatively linking grade to orientation data, domaining by lithology and expanding the analysis to the C-Zone.

- Conduct field visit to collect structural observations and data on outcrop and core.

## 10.0 DRILLING

Warrior Gold and its former predecessors have completed the following drill programs summarized in Table 10.1.

**Table 10.1** *Drilling statistics of the various drill campaigns completed by Warrior Gold and its predecessors.*

Period	Total Metres	Holes	A Zone	Holes	C Zone	Holes	Deloye	Holes	B Zone	Holes	Kirana	Holes	Other	Holes	Hole IDs
2016	560	3											560	3	GK16-001 to GK16-003
2018	610	5	197	1					203	2	210	2			GK18-001 to GK18-005
Spring 2019	2,223	15	1,129	8	870	5	224	2							GK19-001 to GK19-015
Fall 2019	2,106	10	2,106	10											GK19-016 to GK19-025
2020	2,935	9	2,488	7	447	2									GK20-026 to GK20-034
Winter 2021	3,027	13	2,847	12	180	1									GK21-035 to GK21-045
Fall 2021	2,829	8	2,526	7									303	1	GK21-046 to GK21-053
<b>Totals</b>	<b>14,290</b>	<b>63</b>	<b>11,293</b>	<b>45</b>	<b>1,497</b>	<b>8</b>	<b>224</b>	<b>2</b>	<b>203</b>	<b>2</b>	<b>210</b>	<b>2</b>	<b>863</b>	<b>4</b>	

### 10.1 2016 DRILLING CAMPAIGN

Warrior Gold (Champagne Minerals) drilled three holes (GK-16-001 to -0003) in November 2016, for a total of 560 m of NQ core. The holes were drilled by NPLH Drilling of Timmins, Ontario on claim legacy claim 802838, approximately 400 m west-northwest of the St. Pierre shaft. Downhole surveys were measured using a Reflex Single Shot spaced 15 to 96 m apart, averaged distance was 50 m. It is not known if the collar locations were surveyed.

Drilling was performed partially to satisfy a commitment made to Terry Link, the vendor of that particular claim block.

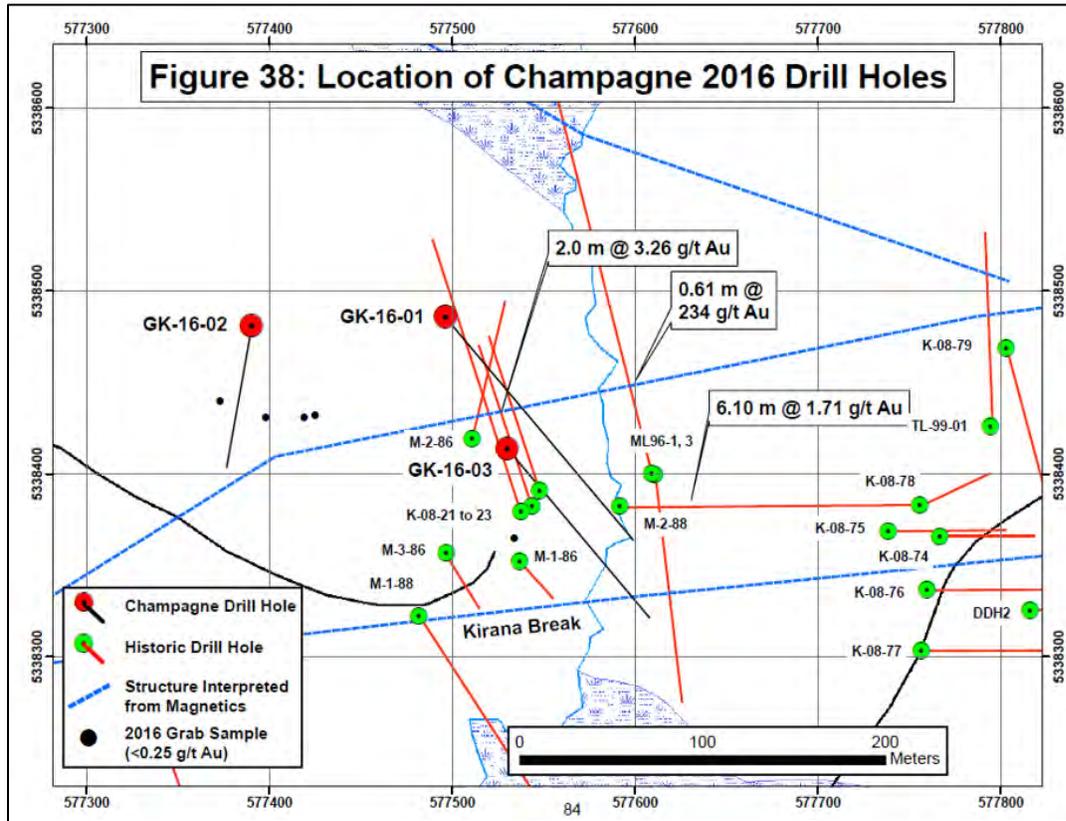
**Table 10.2** *Location of the 2016 drill holes at the St. Pierre area.*

HOLE-ID	LOCATIONX	LOCATIONY	LOCATIONZ	LENGTH	YEAR	COMPANY	AREA
GK-16-01	577496.00	5338486.00	321.06	278.00	2016	Champagne	St. Pierre
GK-16-02	577390.00	5338481.00	328.84	111.00	2016	Champagne	St. Pierre
GK-16-03	577530.00	5338414.00	320.70	171.00	2016	Champagne	St. Pierre

The program included two holes (GK-16-01 and -03) which tested the north-dipping Kirana Break; the third (GK-16-02) tested a northwest-trending chargeability anomaly. This anomaly was interpreted to coincide with a pyritic zone that had been trenched by Northern Gold. Link had previously intersected **6.1 m @ 1.71 g/t Au** in hole M-2-88, interpreted as part of the north-dipping break. This hole was drilled subparallel to the strike of the break at an oblique angle compared to historical holes perpendicular to the break.

GK-16-01 intersected 1.35 g/t Au over 1.5 m associated with a quartz vein in basalt, and 1.82 g/t Au over 0.9 m associated with a quartz vein cutting a quartz feldspar porphyry. Hole GK-16-03 intersected was 0.35 g/t Au over 1.5 m in sulphide-bearing basalt.

**Figure 10.1** Hole locations of the 2016 drilling campaign. Source Setterfield, 2018.



**10.2 2018 DRILLING CAMPAIGN**

Five NQ sized drill holes (GK18-001 to GK18-005) were drilled east of Goodfish Lake in early 2018 (Chadwick and Setterfield, 2021) by NLPH Drilling. Downhole surveys were measured using a Reflex Single Shot spaced 30 to 60 m apart, averaged distance was 40 m. All collar locations were surveyed.

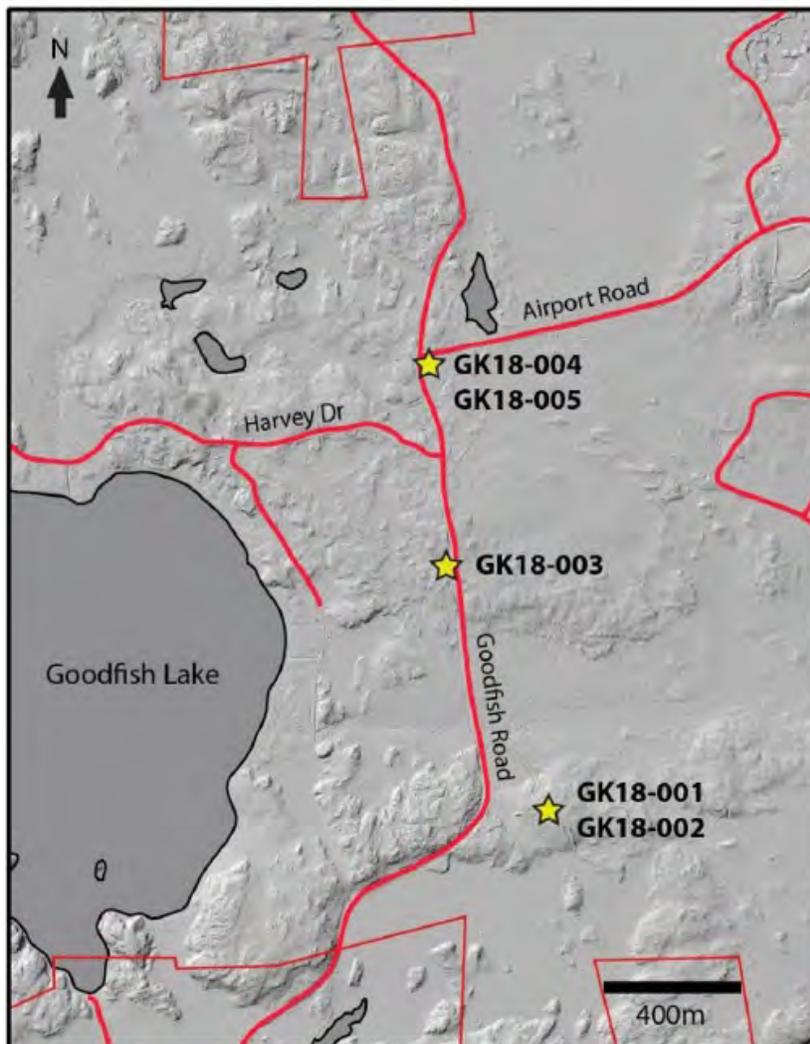
**Table 10.3** Location of the 2018 drill hole collars.

HOLE-ID	LOCATIONX	LOCATIONY	LOCATIONZ	LENGTH	YEAR	COMPANY	AREA
GK18-001	574069.27	5338127.53	334.44	111.00	2018	War Eagle Mining	Kirana Break
GK18-002	574069.27	5338127.53	334.44	99.00	2018	War Eagle Mining	Kirana Break
GK18-003	573774.08	5338827.01	331.12	197.41	2018	War Eagle Mining	A Zone
GK18-004	573724.88	5339403.08	333.53	106.50	2018	War Eagle Mining	B Zone
GK18-005	573724.69	5339402.75	333.64	96.00	2018	War Eagle Mining	B Zone

GK18-001 and GK18-002 were drilled to test the 50-m wide Kirana Break which was intersected by Northern Gold in 2009 in drillhole GK-08-64, which had a best intersection of 1.65 g/t Au over 1.0 m in sheared basalt. GK18-003 was drilled to test the A-Zone at the Goodfish No. 1 shaft where previous drilling in GF-90-04 intersected **16.87 g/t Au over 12.65 m**. GK18-004 and GK18-005 were drilled to test Goodfish B-Zone (Figure 10.2). All five 2018 drill holes intersected anomalous gold (> 1 g/t Au). Highlights include:

- GK18-003, which returned **0.87 g/t Au over 16.0 m**, including **10.53 m @ 1.20 g/t Au** at the A-Zone.
- GK18-004 which returned **6.72 g/t Au over 0.50 m** in a quartz vein on the edge of a quartz feldspar porphyry dike at the B Zone.

**Figure 10.2** Location of the 2018 drill holes.



**10.3 2019 SPRING DRILLING CAMPAIGN**

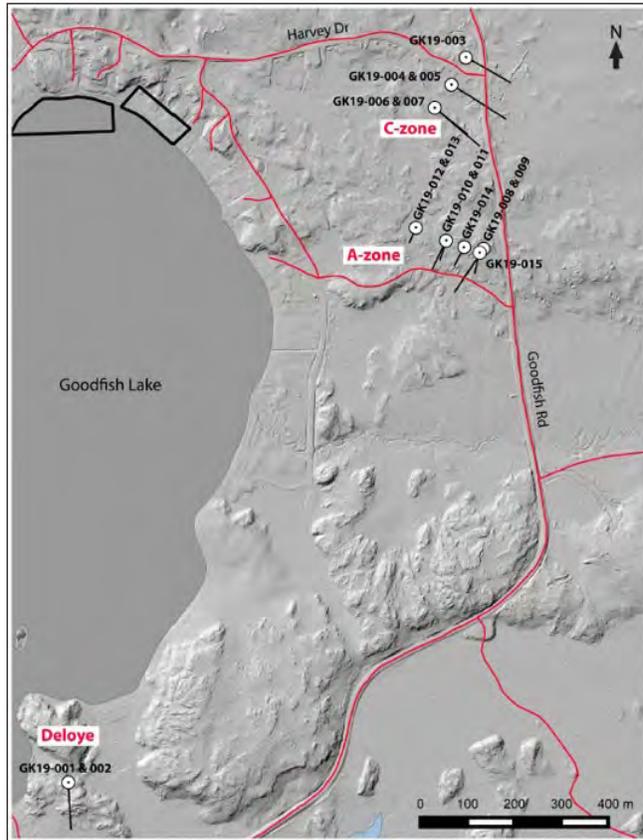
Between March 5th and April 20th, 2019, Warrior Gold completed 2,223 m of oriented NQ sized diamond drilling on the Goodfish-Kirana property. GK19-001 to 015 were drilled by Major Drilling, down hole survey data were measured using Reflex Single Shot instrument every 30 m, and collar locations were surveyed. During the drilling the core was oriented using mechanical method where core was scribed at the top and bottom of the run.

GK19-001 and GK19-002 were drilled at Deloye targeting mineralization between the Kirana No. 1 and No. 2 historic shafts (Figure 10.1). GK19-003 through GK19-007 were drilled at the Goodfish C-zone, and GK19-008 through GK19-015 were drilled in the Goodfish A-Zone area.

**Table 10.4** *Drill hole locations of the spring 2019 drilling campaign.*

HOLE-ID	LOCATIONX	LOCATIONY	LOCATIONZ	LENGTH	YEAR	COMPANY	AREA
GK19-001	572882.00	5337654.00	322.46	141.10	2019	Warrior Gold	Deloye
GK19-002	572882.00	5337654.00	322.46	82.64	2019	Warrior Gold	Deloye
GK19-003	573725.00	5339187.00	333.10	151.00	2019	Warrior Gold	C Zone
GK19-004	573687.00	5339126.00	333.48	195.38	2019	Warrior Gold	C Zone
GK19-005	573687.00	5339126.00	333.48	179.03	2019	Warrior Gold	C Zone
GK19-006	573656.00	5339077.00	333.57	168.83	2019	Warrior Gold	C Zone
GK19-007	573656.00	5339077.00	333.57	175.92	2019	Warrior Gold	C Zone
GK19-008	573762.00	5338783.00	333.34	154.77	2019	Warrior Gold	A Zone
GK19-009	573759.70	5338780.26	333.18	160.77	2019	Warrior Gold	A Zone
GK19-010	573679.29	5338798.15	328.13	118.80	2019	Warrior Gold	A Zone
GK19-011	573679.29	5338798.15	328.13	182.08	2019	Warrior Gold	A Zone
GK19-012	573615.00	5338825.84	326.24	58.77	2019	Warrior Gold	A Zone
GK19-013	573615.00	5338825.84	326.24	96.41	2019	Warrior Gold	A Zone
GK19-014	573717.19	5338784.10	329.84	181.38	2019	Warrior Gold	A Zone
GK19-015	573750.49	5338773.37	332.05	175.89	2019	Warrior Gold	A Zone

**Figure 10.3** Location of spring 2019 drill holes.

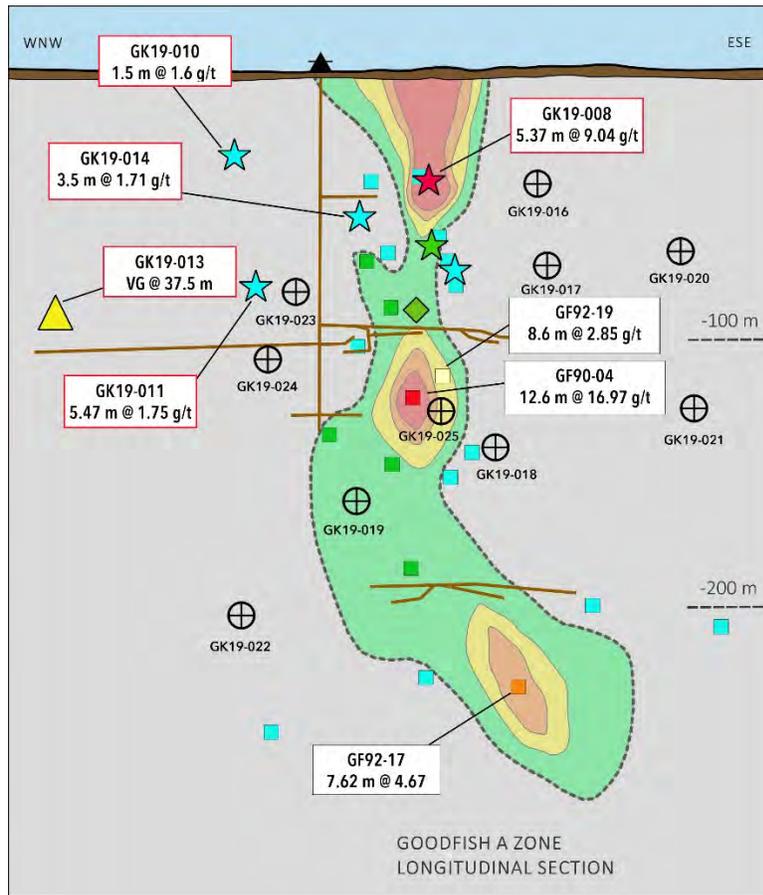


Highlights include:

- GK19-001 at the Deloye which intersected **1.61 g/t Au over 2.99 m.**
- GK19-003 at the C-Zone with **21.33 g/t Au over 2.45 m, including 103 g/t Au over 0.5 m.**
- GK19-007 at the C-Zone which intersected **104.5 g/t Au over 1.0 m.**
- GK19-008 at the A-Zone returning **9.04 g/t Au over 5.37 m.**
- GK19-008 at the A-Zone reporting **1.12 g/t Au over 13.46 m.**
- GK19-011 at the A-Zone which intersected **1.75 g/t Au over 5.47 m.**

Drilling at the A-Zone successfully demonstrated the continuation of the gold-bearing deformation zone approximately 140 m west of historic intercepts (Figure 10.4).

Figure 10.4 Longitudinal section of the A-Zone circa spring 2019.



#### 10.4 2019 FALL DRILLING CAMPAIGN

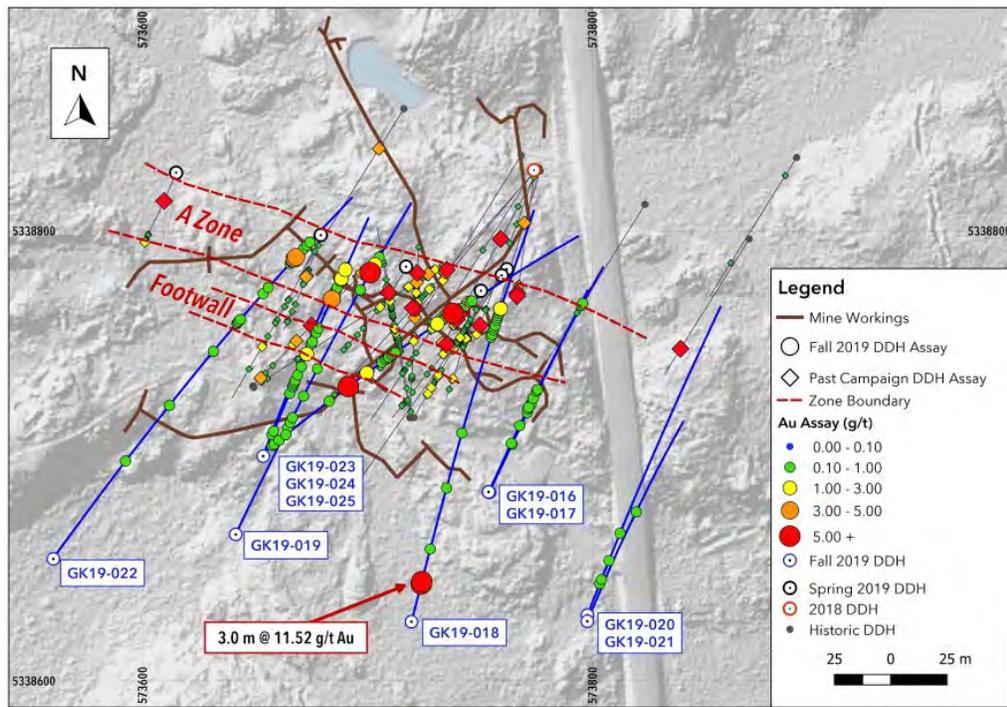
In the fall of 2019, Warrior Gold completed an additional 2,106 m of diamond drilling at the A-Zone in NQ sized drill holes GK19-016 through GK19-025 (Figure 10.5). SMP Drilling was contracted to drill the holes, down hole survey data were measured using DeviCore Instrument every 5 m, and collar locations were surveyed. During the drilling, the core was oriented using mechanical method where core was scribed at the top and bottom of the run.

Drilling was completed by Forage SMP Inc. from Val d'Or, QC. Collar locations were spotted utilizing a handheld GPS. Core was orientated using the Devicore BBT system. Down hole surveys were completed approximately every 5 m downhole using the Champ Pilot solid state gyro system.

**Table 10.5** Fall 2019 drill hole collar locations.

HOLE-ID	LOCATIONX	LOCATIONY	LOCATIONZ	LENGTH	YEAR	COMPANY	AREA
GK19-016	573754.30	5338683.80	326.01	138.10	2019	Warrior	A Zone
GK19-017	573753.90	5338684.00	326.01	190.05	2019	Warrior	A Zone
GK19-018	573719.60	5338626.30	322.30	261.00	2019	Warrior	A Zone
GK19-019	573641.50	5338665.10	319.13	255.13	2019	Warrior	A Zone
GK19-020	573797.80	5338629.20	323.16	201.00	2019	Warrior	A Zone
GK19-021	573797.80	5338626.50	323.16	186.00	2019	Warrior	A Zone
GK19-022	573560.40	5338654.20	317.70	309.16	2019	Warrior	A Zone
GK19-023	573653.70	5338699.90	322.74	159.00	2019	Warrior	A Zone
GK19-024	573653.70	5338699.90	322.74	152.03	2019	Warrior	A Zone
GK19-025	573653.30	5338701.00	322.74	255.22	2019	Warrior	A Zone

**Figure 10.5** Fall 2019 drill hole plan at the A-Zone and A-Zone FW.



Highlights of drill intersections in the A-Zone include:

- GK19-019 which intersected **1.49 g/t Au over 10.8 m.**
- GK19-022 which reported **2.82 g/t Au over 4.2 m.**
- GK19-025 intersecting **3.27 g/t Au over 5.6 m.**

Highlights of drill intersections in the A-Zone FW include:

- GK19-018 reporting **11.52 g/t Au over 3.0 m.**
- GK19-025 intersecting **11.25 g/t Au over 1.5 m.**

- GK19-025 returning 2.36 g/t Au over 1.5 m.

### 10.5 2020 SUMMER DRILLING CAMPAIGN

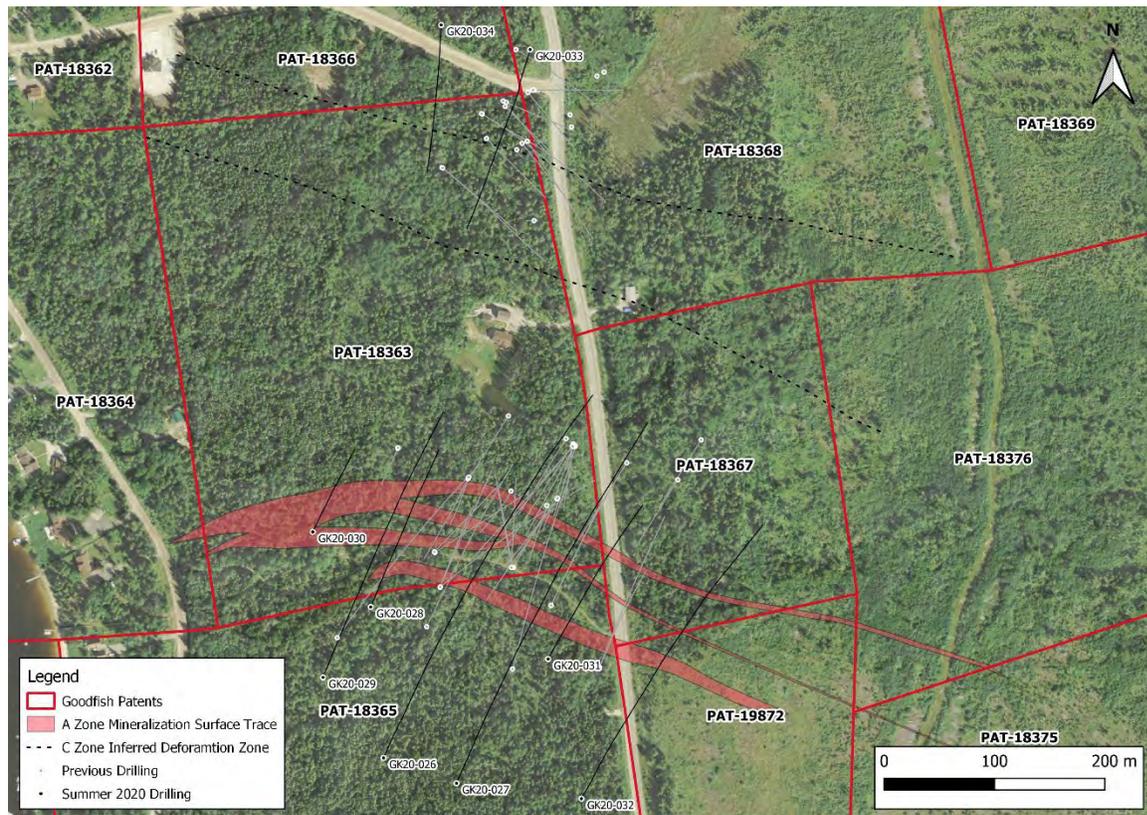
Between June 30 and July 30, 2020, Warrior Gold completed 9 NQ sized diamond drill holes totaling 2,935 m using SMP Drilling contractor. This drilling campaign incorporated drill holes GK20-026 through GK20-034. The down hole survey data were measured using DeviCore Instrument every 18 m, and collar locations were surveyed. During the drilling the core was oriented using mechanical method where core was scribed at the top and bottom of the run. DGI Geoscience Inc. was hired to complete borehole surveys using Optical Televiewer (OTV) instrument on drillholes GK20-028 and 033 and GK19-004 and 018. The data was originally interpreted by DGI but was later reinterpreted by Terrane Geoscience.

The objectives of the drilling program were to investigate the depth and strike extensions of the A-Zone and the A-Zone FW and investigate the nature and significance of the gold mineralization at the C-Zone (Figure 10.6).

**Table 10.6** Summer 2020 drill hole locations.

HOLE-ID	LOCATIONX	LOCATIONY	LOCATIONZ	LENGTH	YEAR	COMPANY	AREA
GK20-026	573603.01	5338544.45	322.94	552.00	2020	Warrior	A Zone
GK20-027	573669.12	5338521.44	323.32	555.00	2020	Warrior	A Zone
GK20-028	573591.48	5338681.15	317.90	234.00	2020	Warrior	A Zone
GK20-029	573548.25	5338617.34	317.16	372.00	2020	Warrior	A Zone
GK20-030	573538.90	5338749.20	323.94	123.00	2020	Warrior	A Zone
GK20-031	573752.15	5338634.00	323.05	222.00	2020	Warrior	A Zone
GK20-032	573782.28	5338507.45	319.81	430.21	2020	Warrior	A Zone
GK20-033	573735.85	5339186.21	331.66	246.00	2020	Warrior	C Zone
GK20-034	573655.28	5339208.58	332.45	201.00	2020	Warrior	C Zone

*Figure 10.6 Summer 2020 drill plan map of drill hole locations.*



Highlights of the drilling include:

**A-Zone**

- GK20-028 intersected **3.76 g/t Au** over **1.0 m** starting at 219.0m downhole.

**A-Zone Footwall**

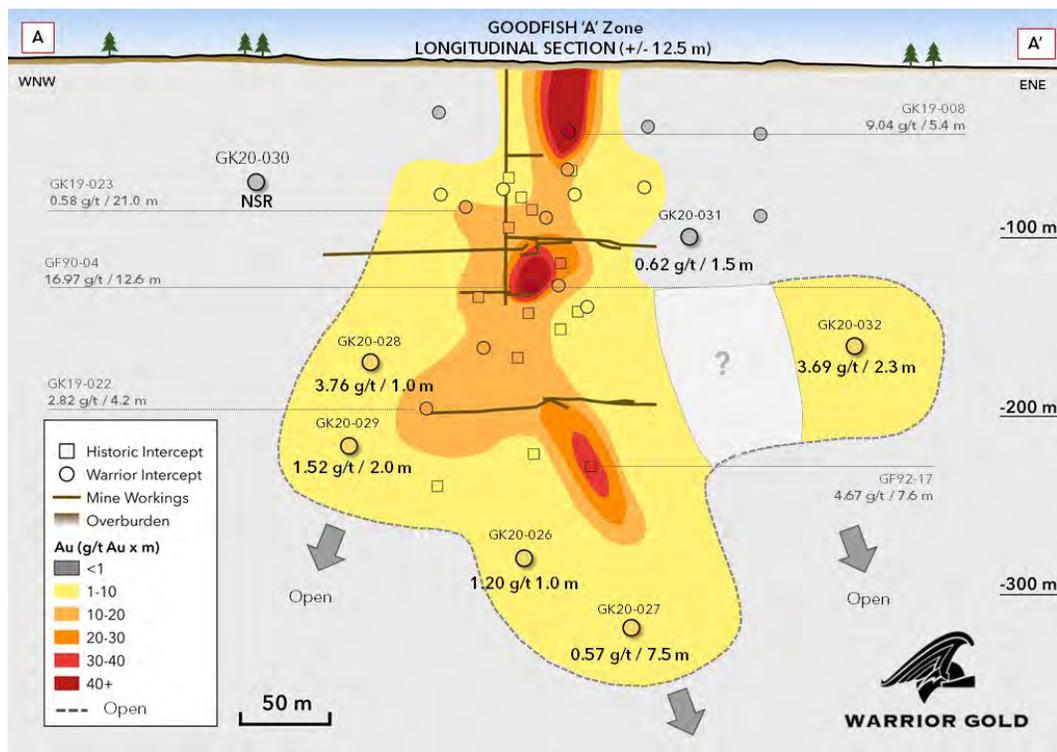
- GK20-028 reported **6.78 g/t Au** over **3.0 m** starting at 57 m downhole.
- GK20-028 reported **4.07 g/t Au** over **7.0 m** starting at 196 m downhole.
- GK20-032 intersected **3.69 g/t Au** over **2.3 m** starting at 221.7 m downhole.

**C-Zone**

- GK20-033 intersected **3.41 g/t Au over 2.0 m** starting at 101 m downhole and **3.93 g/t Au over 3.0 m** starting at 152.5 m downhole.

The 2020 drilling campaign also intersected a series of narrow gold veins in the footwall of the A-Zone in hole GK20-028 which reported **1.22 g/Au over 74 m** starting at 87 m downhole. This interval included **2.65 g/t Au over 22.3 m** which also included **6.70 g/t Au over 7.4 m** and visible gold. The drill program was deemed a success as it expanded the A-Zone to the east and at depth and encountered additional FW mineralization (Figure 10.7).

**Figure 10.7** Longitudinal section of the A-Zone with 2020 pierce points.



**10.6 2021 WINTER DRILLING CAMPAIGN**

Between January 4 and January 29, 2021, Warrior Gold completed an additional 13 NQ sized diamond drill holes totaling 3,027 metres. This drilling campaign incorporated drill holes GK21-035, GK21-035A, GK21-036, GK21-037, GK21-037A and GK21-038 through GK21-045 and were drilled by SMP Drilling. The down hole survey data were measured using DeviCore Instrument every 30 m, and collar locations were surveyed. DGI Geoscience Inc. was hired to complete borehole surveys using OTV instrument on drillholes GK19-022,

**TECHNICAL REPORT ON THE KIRKLAND LAKE PROPERTIES FOR WARRIOR GOLD**

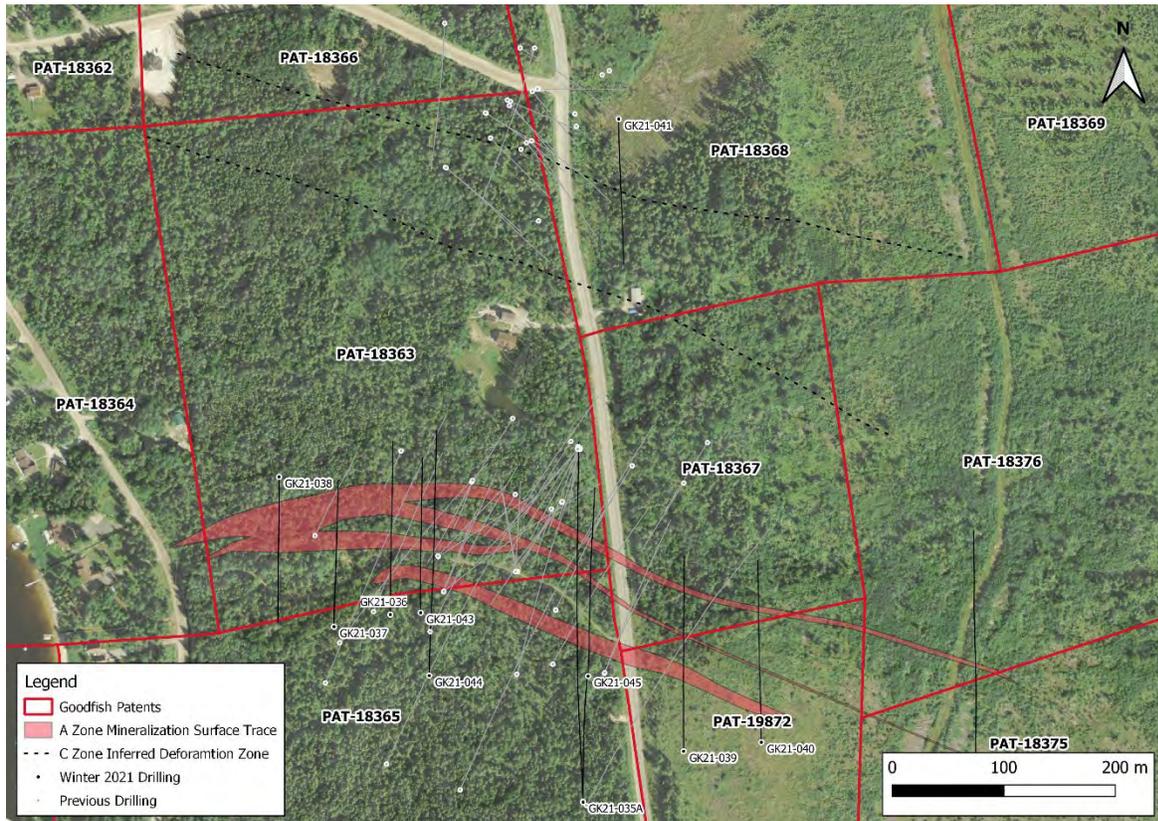
GK20-026, GK21-032, 035A, 036, 041, 042, 044 and 045. The data was interpreted by Terrane Geoscience.

**Table 10.7** Winter 2021 drill hole locations.

HOLE-ID	LOCATIONX	LOCATIONY	LOCATIONZ	LENGTH	YEAR	COMPANY	AREA
GK21-035	573779.38	5338510.42	320.60	157.32	2021	Warrior Gold Inc.	A
GK21-035A	573779.28	5338510.72	320.59	449.00	2021	Warrior Gold Inc.	A
GK21-036	573606.51	5338678.51	318.22	219.08	2021	Warrior Gold Inc.	A
GK21-037	573556.01	5338667.63	318.05	55.00	2021	Warrior Gold Inc.	A
GK21-037A	573556.01	5338667.63	318.05	180.11	2021	Warrior Gold Inc.	A
GK21-038	573506.66	5338801.88	324.60	198.26	2021	Warrior Gold Inc.	A
GK21-039	573869.47	5338555.97	320.87	258.00	2021	Warrior Gold Inc.	A
GK21-040	573939.23	5338564.06	321.00	234.00	2021	Warrior Gold Inc.	A
GK21-041	573811.28	5339122.62	333.57	180.00	2021	Warrior Gold Inc.	C
GK21-042	574131.61	5338542.20	321.57	299.00	2021	Warrior Gold Inc.	A East
GK21-043	573633.68	5338680.14	319.18	192.00	2021	Warrior Gold Inc.	A
GK21-044	573641.34	5338623.73	319.85	348.00	2021	Warrior Gold Inc.	A
GK21-045	573783.87	5338623.32	323.43	258.00	2021	Warrior Gold Inc.	A

The objectives of the drilling program were to investigate the depth and strike extensions of the A-Zone and the A-Zone Footwall Zone and investigate the nature and significance of the gold mineralization at the C-Zone (GK21-041) (Figure 10.8).

**Figure 10.8** Winter 2021 drill plan map of drill hole locations.



Highlights of the drilling include:

**A-Zone**

- GK21-044 intersected **1.20 g/t Au over 4.54 m** starting at 285.64 m downhole.
- GK21-045 intersected **3.74 g/t Au over 6.8 m** starting at 184 m downhole.

**A-Zone Footwall**

- GK21-036 intersected **3.85 g/t Au over 3.8 m** starting at 128.2 m downhole.
- GK21-044 intersected **1.12 g/t Au over 7.5 m** starting at 271.0 m downhole.

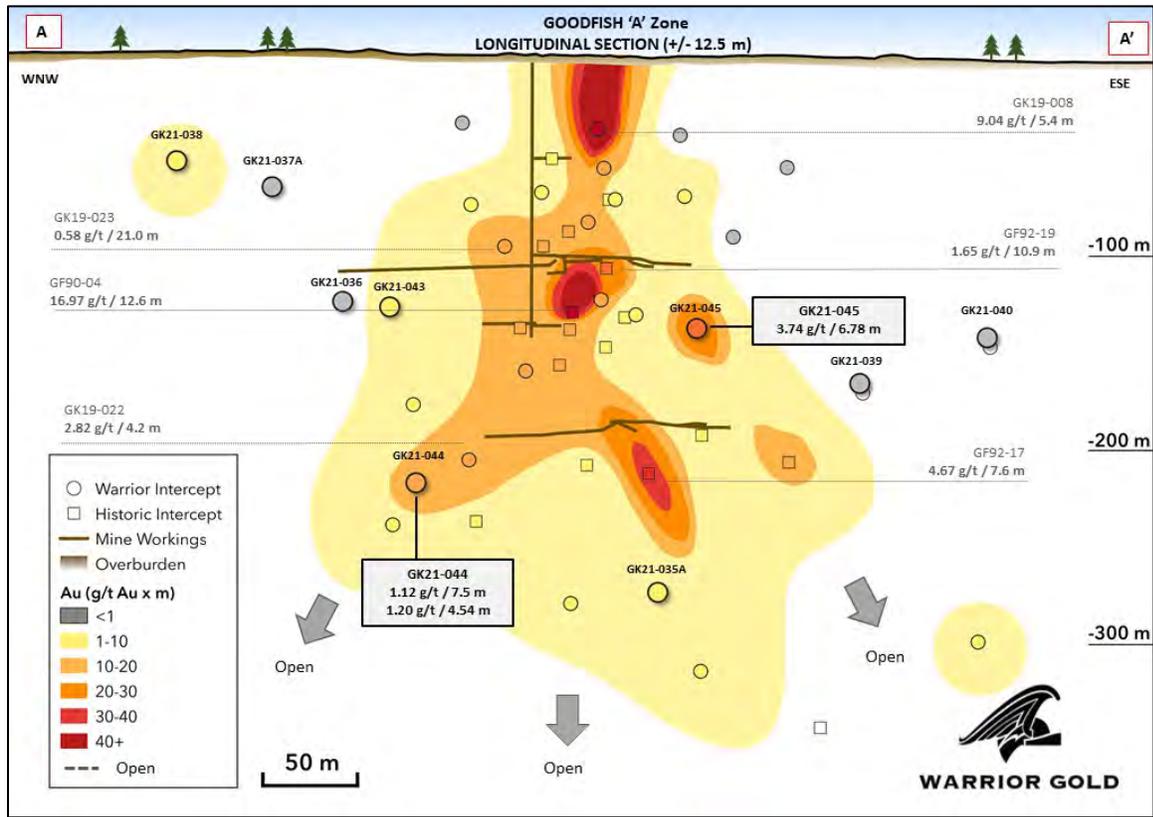
**C-Zone**

- GK21-041 intersected **6.68 g/t Au over 3.0 m** starting at 64 m downhole.

The results of the 2021 drilling campaign were deemed successful. Gold mineralization was encountered consistently in all drill holes targeting the A-Zone and the A-Zone FW except for drill hole GK21-042. This hole targeted a geophysical / structural target along

strike of A Zone to the east. A strongly carbonate- and sericite-altered shear zone was intersected over 10 m that returned one assay of 0.197 g/t over 1 m. Drilling expanded the A-Zone shear to a strike length of 650 m and to depth of 350 m (Figure 10.9). Drilling at the C-Zone was also deemed a success with several intersections bearing gold mineralization in GK21-041.

**Figure 10.9** Longitudinal section of the A-Zone with 2021 drill hole pierce points.



### 10.7 2021 FALL DRILLING CAMPAIGN

In the fall of 2021, Warrior Gold completed an additional 8 diamond drill holes totaling 2,829 metres through drill holes GK21-046 through GK21-053 and were drilled by SMP Drilling. The down hole survey data were measured using DeviCore Instrument every 30 m, and collar locations were surveyed. DGI Geoscience Inc. was hired to complete borehole surveys using OTV instrument on GK21-046 to 053. The data was interpreted by Terrane Geoscience.

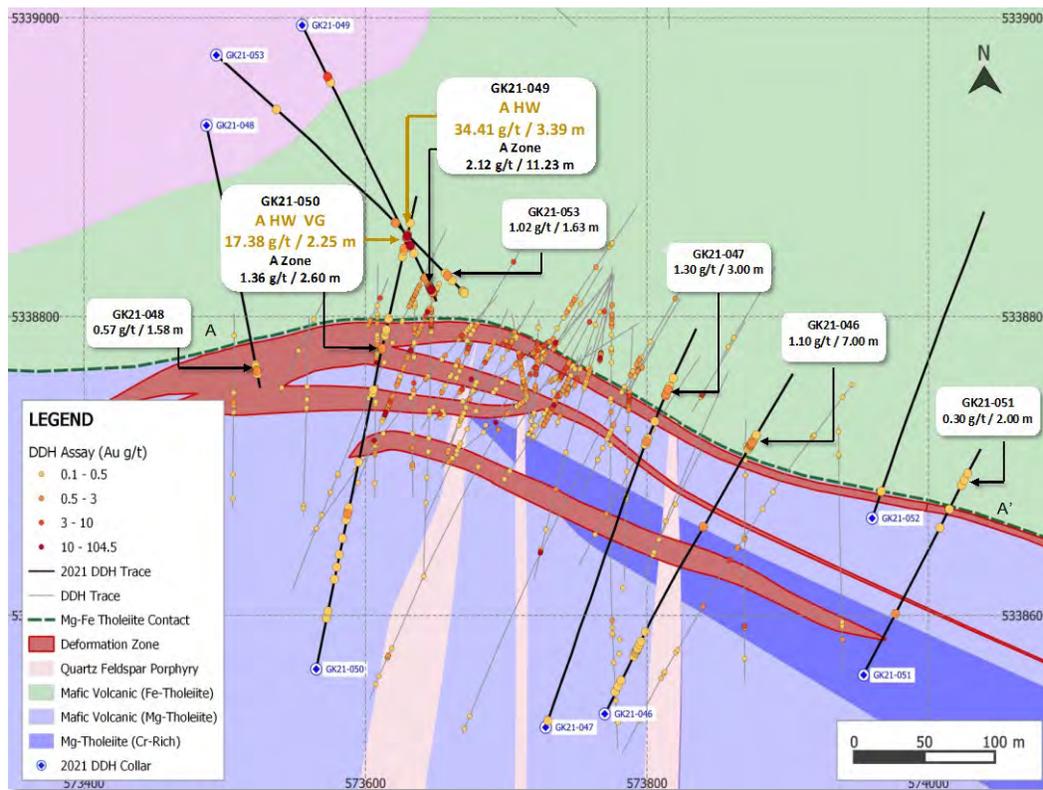
Seven holes targeted the A-Zone along strike and depth and one hole tested a geophysical / structural target to the northeast of the A-Zone. All seven A-Zone drill holes intersected

gold mineralization and high-grade gold was intersected in the hanging wall, north of the A-Zone structure, herein A-Zone HW (Figure 10.10).

**Table 10.8** Fall 2021 drill hole locations.

HOLE-ID	LOCATIONX	LOCATIONY	LOCATIONZ	LENGTH	YEAR	COMPANY	AREA
GK21-046	573770.00	5338534.00	321.00	357.00	2021	Warrior	A Zone
GK21-047	573728.00	5338525.00	321.00	396.00	2021	Warrior	A zone
GK21-048	573489.00	5338927.00	327.00	258.00	2021	Warrior	A Zone West
GK21-049	573555.00	5338995.00	329.00	396.00	2021	Warrior	A Zone
GK21-050	573565.00	5338564.00	320.00	456.00	2021	Warrior	A Zone
GK21-051	573954.00	5338560.00	321.00	237.00	2021	Warrior	A Zone East
GK21-052	573960.00	5338665.00	326.00	303.00	2021	Warrior	AEN Zone
GK21-053	573494.00	5338975.00	329.00	426.00 <td 2021	Warrior	A Zone	

**Figure 10.10** Fall 2021 drill plan map of drill hole locations.



Highlights of the drilling include:

**A-Zone**

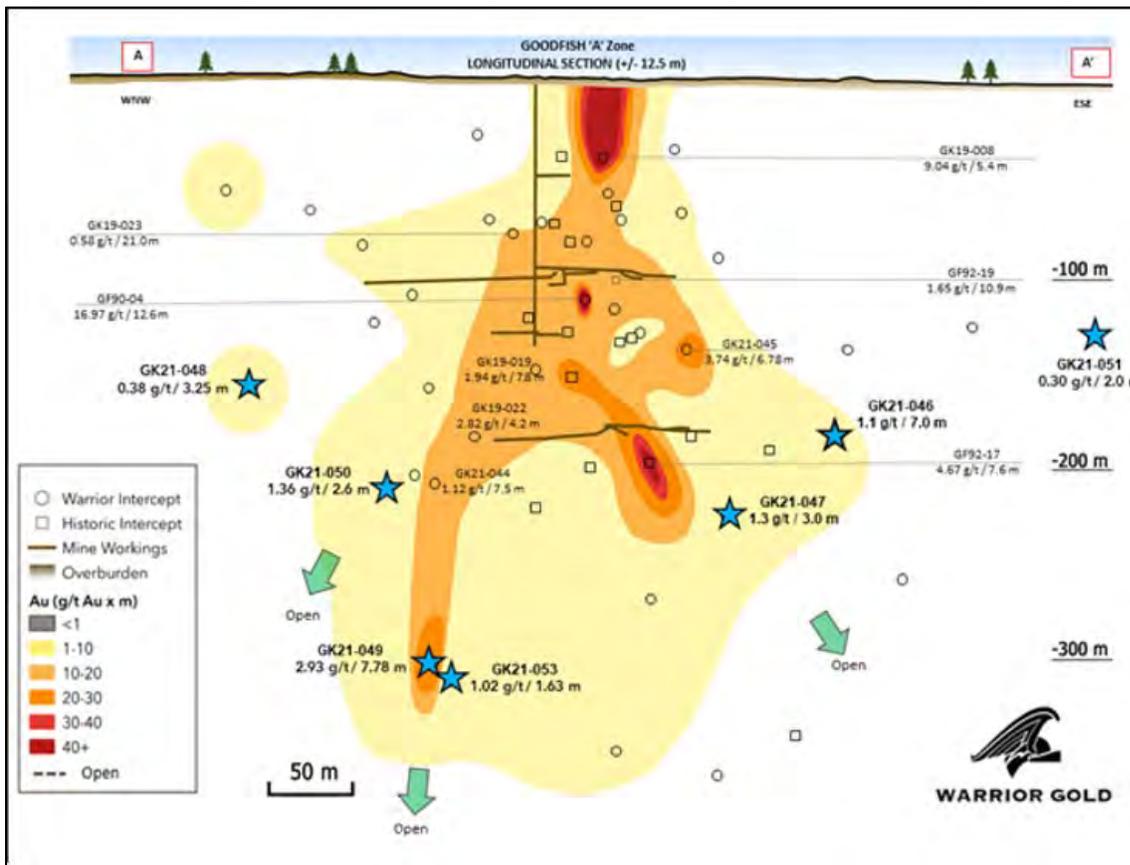
- GK21-046 intersecting 1.10 g/t Au over 7.00 m
- GK21-049 returning 2.93 g/t Au over 7.78 m

**A-Zone HW**

- GK21-049 intersecting **155.00 g/t Au over 0.75 m**
- GK21-050 reporting **17.38 g/t Au over 2.25 m** including **72.10 g/t Au over 0.50 m** (the other half of core for this sample assayed **561 g/t Au over 0.50 m**)

The drill program was deemed another success as the gold mineralization at A-Zone was extended 100 m down dip and confirmed the continuity of a high-grade trend and integrity of the geological model (Figure 10.11). The A Zone remains open to the west and at depth and additional high-grade gold mineralization with visible gold in the quartz veins was intersected in the A-Zone HW.

**Figure 10.11** Longitudinal section of the A-Zone with fall 2021 drill hole pierce points.



## 11.0 SAMPLE PREPARATION, ANALYSIS and SECURITY

Sampling protocols and methods used prior to 2016 tended to be poorly documented in the literature. Results are likely representative and Warrior gold has completed several resampling programs, where possible, to validate the historical results. Most of the historical data is exploration based and is used solely to guide current exploration programs. Most historical drilling in mineralized areas of importance to Warrior, such as the A Zone, have been infill drilled with significant numbers of drillholes from 2018 to 2021 using current QAQC protocols to ensure the accuracy and precision of the analytical results.

The following is a list of Standard Reference Material (SRM) samples used thus far for exploration/drilling programs on the Property. An SRM result is considered to have failed if two sequential results exceed twice the Standard Deviation (STD) or if a single result exceeds three times the STD. The sample batch should be inspected for other QAQC control sample failures, unexpected results or if any elevated gold results are supported by the SRMs before deciding to request a reanalysis of the sample batches.

**Table 11.1** List of SRMs used on the Property from 2016 to 2021

SRM	Expected Value (Au g/t)	Standard Deviation	Years Used	Figure Number
CDN-GS-1Z	1.155	0.0475	2020, 2021	11.9
CDN-GS-7H	6.550	0.2500	2021	11.10
CDN-GS-P4J	0.479	0.0245	2020, 2021	11.11
OREAS 200	0.340	0.0120	2016, 2018	11.1
OREAS 209	1.580	0.0440	2016, 2018, 2019	11.2
OREAS 211	0.768	0.0270	2021	11.12
OREAS 217	0.338	0.0100	2019, 2020, 2021	11.4
OREAS 218	0.531	0.0170	2019, 2020	11.3
OREAS 219	0.760	0.0240	2019, 2020, 2021	11.5
OREAS 223	1.780	0.0450	2020, 2021	11-6
OREAS 226	5.450	0.1260	2020, 2021	11.7
OREAS 231	0.542	0.0150	2021	11.13
OREAS 234	1.200	0.0300	2021	11.14
OREAS 236	1.850	0.0590	2021	11.15
OREAS 239	3.55	0.0860	2021	11.16

**11.1 2016 INFILL SAMPLING OF THE 2008 NORTHERN GOLD DRILL CORE**

The 2008 Northern Gold drill core (NQ) was transported to the Canadian Exploration Services Limited (CXS) secure core facility in Larder Lake in 2013. Infill sampling of the historic core was done on 43 of the 84 available drill holes by Champagne personnel at the CXS facility in 2016. Core samples were stored on site until their transportation by Champagne to the Swastika Laboratory (SL). The work included sampling areas not previously sampled by NG and 12 holes where core was cut but never sent to the laboratory.

Champagne submitted 335 samples that were previously split but not analyzed, 451 infill samples were split and 220 “pulped” samples for a total of 1,006 samples analysed with QAQC control samples (blanks and Standard Reference Samples (SRM)).

The majority of the samples were assayed for gold using fire assay method with Atomic Absorption finish (FA-AAS) or with some results by Microwave Plasma Atomic Emission Spectrometer (MP-AES) method at SL. Nazanin Pastakia, MSc. provided a summary memo, “QAQC Memo for Swastika Assays for Infill Drilling” in April 2017 on the results of the blanks and SRMs for the sampling program. Blank samples returned results close to the detection limit of 0.005 g/t Au; therefore, no inter-sample contamination was apparent. Four different SRMs were submitted with the core samples (OREAS 200, 202, 203 and 206) and while one sample was found to be mislabeled, all returned acceptable values.

**11.2 SAMPLING OF THE 2016 PROSPECTING PROGRAM**

Sampling during the prospecting program was undertaken by Bjorkman Prospecting, an independent service provider, under the direction of GeoVector. Samples collected during the prospecting program were stored in the prospectors' hotel room in Kirkland Lake. They were transported by Bjorkman Prospecting to Accurassay Laboratories (ALS) in Thunder Bay, Ontario. SRMs and blanks were submitted with each sampling program. The samples were assayed for gold using fire assay method.

**11.3 2016 CHAMPAGNE DRILL PROGRAM (GK16-001 TO 003)**

The 2016 Champagne drill core was transported to the CXS facility for logging and sampling by Champagne personnel. The sample intervals ranged between 0.50 and 2.0 m long with an overall average length of 1.46 m. Core samples were stored on site until their transportation by Champagne to the SGS Cochrane laboratory (SGS).

Sample shipments to SGS included 349 core samples, 10 SRMs (3 OREAS 200 and 7 OREAS 209) and 8 blank samples. Sample preparation was done on maximum 3 kg

sample that was crushed to 75% passing 2 mm, split to 250 g subsample, and pulverized to 85% passing -75  $\mu$  (G\_PRP89). Gold analysis was by fire assay method with Inductively Coupled Plasma Optical Emission Spectroscopy finish (FAI313, FA/ICP-AES).

**QAQC results:**

- Blank samples returned results close to the detection limit of 0.005 g/t Au therefore no inter-sample contamination is apparent (Figure 11.8).
- Two SRMs were inserted.
  - OREAS 200 SRMs was inserted 3 times and all results are low but within the accepted range for the SRM (Figure 11.1).
  - OREAS 209 was inserted 7 times and 5 results are below the 2 STD threshold. The results are all lower than expected but no elevated gold grades were associated with these SRMs (Figure 11.2).

**11.4 2018 WARRIOR DRILL PROGRAM (GK18-001 TO 005)**

In 2018, Warrior Gold drilled 5 diamond drillholes: GK18-001 and 002 on the Kirana Break, GK18-003 at the A Zone and GK18-004 and 005 at the B Zone for 610 m. The drill core was transported from the drill by Warrior Gold personnel to the Toburn Mine site logging facility. Once the core was logged and samples were split, it was shipped to the CXS core storage facility. The sample intervals ranged between 0.50 and 1.5 m long with an overall average length of 1.30 m. All in, 463 samples (444 core, 9 Blanks, 5 OREAS 200 SRMs and 4 samples mislabelled as OREAS 209) were shipped to the SGS lab in Wakefield for sample preparation and then to SGS Vancouver for analysis.

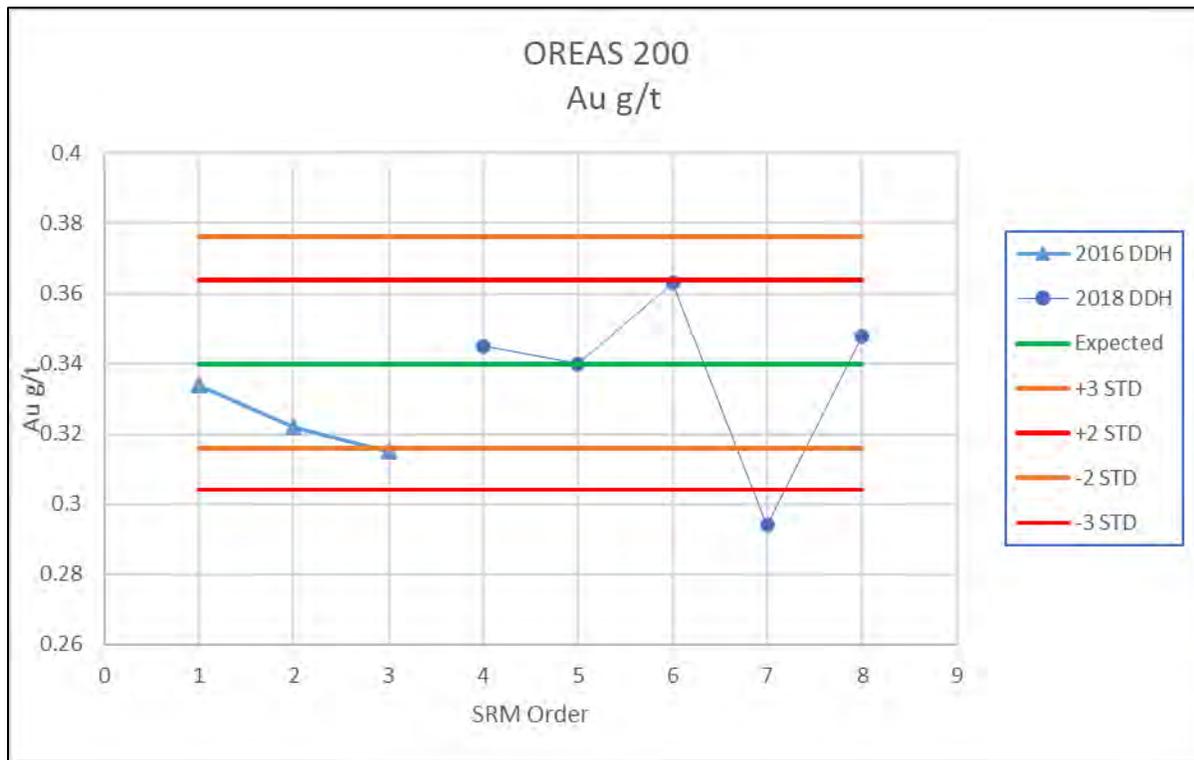
A maximum sample weight of 3 kg was crushed to 75% passing 2 mm, then split to 250 g and pulverized to 85% passing -75  $\mu$ . The samples were then shipped to SGS Vancouver and analysed using Aqua Regia digestion and analysed by Inductively Coupled Plasma Mass Spectrometry (ICP-MS) for Au and multielement analysis. The samples were also analysed for multielement results using portable X-Ray Fluorescence Spectroscopy (pXRF). Gold results exceeding 200 ppb by ICP-MS method were reanalysed using fire assay with ICP-AES finish.

**QAQC results:**

- Blank samples returned results close to the detection limit of 0.005 g/t Au therefore no inter-sample contamination is apparent (Figure 11.8).
- Two SRMs were inserted into the sample stream.
  - OREAS 200 SRMs were inserted 5 times and one result exceeded the lower 3 STD limit. No other control samples were outside acceptable limits and

- none of the SRMs were associated with core samples of elevated gold grade (Figure 11.1).
- OREAS 209 SRM, 4 SRM samples were identified as OREAS 209 but the analytical results are not close to the SRMs expected result of 1.58 g/t Au and are all 0.50 g/t Au. There is no other SRM in use at the time that is close to this grade. None of these samples were associated with core samples of elevated gold grade. (Figure 11.2).

**Figure 11.1** Gold Analysis Results for OREAS 200 SRM



**11.5 2019 DRILL PROGRAM (GK19-001 TO 025)**

The 2019 drilling program included 25 drillholes at the Deloye area (2), C Zone (5) and the A Zone (18). Boart Longyear was the drill contractor and the work was planned and managed by Warrior Gold’s QP, Tom Neelands, P.Geo. while GeoVector personnel, Timothy Chadwick, supervised the core logging and sampling. The entire length of each drillhole was sampled. The sample intervals ranged between 0.50 and 1.6 m long with an overall average length of 1.37 m.

Standards were obtained from Analytical Solutions Ltd. and the QA/QC results were reviewed by Nazanin Pastakia. Core logging was done at the Toburn Mine site and core

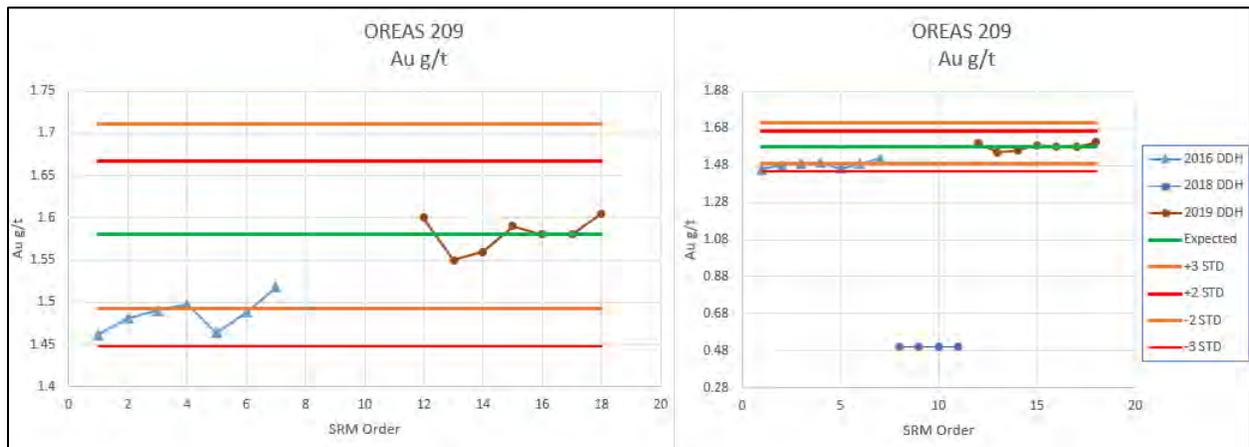
was then transported to the CXS facilities for core cutting and storage. Blank rock samples and SRMs were inserted into the sample sequence (1 in 20 rate).

Samples were driven by Warrior Gold’s personnel in securely sealed bags to ALS Limited sample preparation laboratory in Timmins, Ontario. Samples were crushed to 70% passing 2 mm, riffle split to 250 g and then pulverized to 85% passing 75 µ. ALS shipped the pulps to ALS’s assay facility in Burnaby, BC for gold analysis on 30 g subsamples by fire assay with AA finish and reran using Gravity (GRAV) finish on samples exceeding 10 g/t Au on initial results.

A group of samples (1114) were selected for ME-MS61, a 48-element 4-acid digestion method with an ICP-MS finish.

- All 46 blank samples returned results close to the detection limit of 0.005 g/t Au therefore no inter-sample contamination was apparent (Figure 11.8).
- Four different SRM samples were included with core samples from 2019.
  - OREAS 209 was inserted 7 times and all results were within the accepted range for the SRM (Figure 11.2).
  - OREAS 217 was inserted 25 times and all results were within the accepted range for the SRM (Figure 11.4).
  - OREAS 218 was inserted 24 times and all results were within the accepted range for the SRM. (Figure 11.3).
  - OREAS 219 was inserted 27 times with one failed result that exceeded the 3 STD limit for a single sample. No other QAQC control samples in proximity to this one failed so the batch was not re-assayed (Figure 11.5).

**Figure 11.1 Gold Analysis Results for OREAS 209 SRM**



**11.6 2019 PROSPECTING PROGRAM**

Warrior's Quality Assurance Program included the addition of blank samples and Standard Reference Materials (SRM) every 20th rock sample. Please see Table 11.1 for the compilation of SRM's and Blanks inserted with the rock samples. Gold assaying was undertaken by Activation Labs in Timmins using conventional fire-assay methods with assay code Au-AA23 (30g sample) and ME-MS61 (0.25g sample).

**Table 11.2 QAQC Control Samples used and key analytical comparison. Source Bjorkman, 2019.**

Sample No.	Reference Lab Assay	Actual Assay	SRM ID
W930071	0	0.006	BLANK
W930090	0.34 g/t	0.34	STANDARD 200
W930110	0	0.0025	BLANK
W930130	0.338	0.333	STANDARD OREAS 217
W930150	0	0.0025	BLANK
W930170	0.76	0.767	STANDARD OREAS 219

**11.7 2020 DRILL PROGRAM (GK20-026 TO GK20-034)**

The core was logged and sampled at Warrior Gold’s core facility located at 4955 Goodfish Road, Kirkland Lake, Ontario. The entire hole lengths were sampled. Sample lengths were between 0.15 m to 2.5 m in length with the shortest samples taken in mineralized or quartz veined intervals. Average sample length for this program was 1.29 m. Litho-geochemistry samples were selected at approximately 3 m intervals.

SRMs and blanks were routinely inserted into the sample stream as part of Warrior Gold’s QAQC program. Insertions were emplaced using sample numbers as follows:

- 124 Blanks were inserted when sample numbers ended in 10, 30, 50, 70 and 90.
- 119 SRMS were inserted when sample numbers ended in 00, 20, 40, 60 and 80.
- 67 Coarse Reject Duplicates were inserted when sample numbers ended in 15, 35, 55, 75 and 95. An “R” or “DR” was added to the sample number for these samples.
- 67 Pulp Duplicates were inserted when sample numbers ended in 15, 35, 55, 75 and 95. A “P” or “DP” was added to the sample number for these samples

Samples were cut using a diamond -bladed saw. Cut samples were placed in individual plastic sample bags with their appropriate tag before being grouped into rice bags containing 6-8 samples each. These rice bags were secured in a locked metal container and picked up by ALS Timmins for sample preparation. In total 2,655 samples were

shipped including 2019 core samples and 256 QAQC control samples. ALS crushed the samples to 70% passing 2 mm, riffle split to 250 g and then pulverized to 85% passing 75  $\mu$ .

ALS shipped the pulp samples to their analytical facility in Burnaby. All samples were analyzed by Au-AA23, a 30 g fire assay method with an AA (atomic absorption) finish and a reassay of all assays exceeding 10 g/t Au using GRAV finish (Au-GRA21).

At the end of the drill program, 862 samples were selected for ME-MS61, a 48-element 4-acid digestion method with an ICP-MS finish.

In 2020, metallic screen assaying was completed in two phases for the summer drill core samples. There was a first group of 71 samples that were selected during core logging for assaying using Au-SRC24C method. Samples were selected if they showed strong sericite and carbonate alteration with sulphides and veining. Only 20 of the 71 samples returned gold results higher than 0.025 g/t Au. This method was discontinued and 29 samples from the 2020 drill program were selected for screen analysis based on elevated gold in the Au-AA23 fire assay method. The screen assay results are discussed in Section 11.11.

- Seven (7) different SRMs were used:
  - CDN-GS-1Z was inserted 1 time and the result was within the accepted range for the SRM (Figure 11.9)
  - CDN-GS-P4J was inserted 1 time and the result was within the accepted range for the SRM (Figure 11.11)
  - OREAS 217 was inserted 40 times and all results were within the accepted range for the SRM (Figure 11.4)
  - OREAS 218 was inserted 15 times and all results were within the accepted range for the SRM (Figure 11.3)
  - OREAS 219 was inserted 10 times and all results were within the accepted range for the SRM (Figure 11.5)
  - OREAS 223 was inserted 24 times and all results were within the accepted range for the SRM (Figure 11.6)
  - OREAS 226 was inserted 28 times and one failed result exceeded the 3 STD limit for a single sample. No other QAQC control samples in proximity to this one failed and no anomalous grade values were in the batch so no re-assaying was requested (Figure 11.7).

**Figure 11.2** Gold Analysis Results for SRM OREAS 218.



**11.8 WINTER 2021 DRILL PROGRAM(GK21-035 TO GK21-045)**

The core was logged and sampled at Warrior Gold’s core storage facility located at 4955 Goodfish Road, Kirkland Lake, Ontario. The entire hole lengths were sampled. Sample lengths were between 0.18 m to 2.17 m in length with the shortest taken in areas of prospective mineralization. The average sample length was 1.16 m. Litho-geochemistry samples were taken at about 3 m intervals.

SRMs and blanks were routinely inserted into the sample stream as part of Warrior Gold’s QAQC program. Insertions were emplaced using sample numbers as follows:

- 140 Blanks were inserted when sample numbers ended in 10, 30, 50, 70 and 90 and were composed of coarse silica sand.
- 139 SRMS were inserted when sample numbers ended in 00, 20, 40, 60 and 80.
- 137 Coarse Reject Duplicates were inserted when samples numbers ended in 15, 35, 55, 75 and 95. An “R” was added to the sample number for these samples.
- 137 Pulp Duplicates were inserted when samples numbers ended in 15, 35, 55, 75 and 95. A “P” was added to the sample number for these samples

Samples were cut using a diamond-bladed saw. Cut samples were placed in individual plastic sample bags with their appropriate tag before being grouped into rice bags

containing 6-8 samples each. These rice bags were secured in a locked metal container and picked up by ALS Timmins for sample preparation. In total 3023 samples were shipped including 2470 core samples and 553 QAQC control samples.

The sample preparation and assaying protocols were changed for this program to ALS crushing the samples to 70% passing 2 mm (CRU-31), riffle split to 1000 g and then pulverized to 85% passing 75  $\mu$  (PUL-32).

ALS shipped the pulp samples to their analytical facility in Burnaby. All samples were analyzed by Au-AA24 in this program, a 50 g fire assay method with an AA (atomic absorption) finish and a reassay of all assays exceeding 10 g/t Au using GRAV finish (Au-GRA22).

At the end of the drill program, 772 samples were selected for ME-MS61, a 48 element 4-acid digestion method with an ICP-MS finish

Metallic screen assaying was completed on 26 samples initially analyzed using Au-AA24 method. Samples were selected based on elevated gold grades within the A Zone with shoulder sampling into less altered and mineralized areas. The screen assay results are **discussed in Section 11.11.**

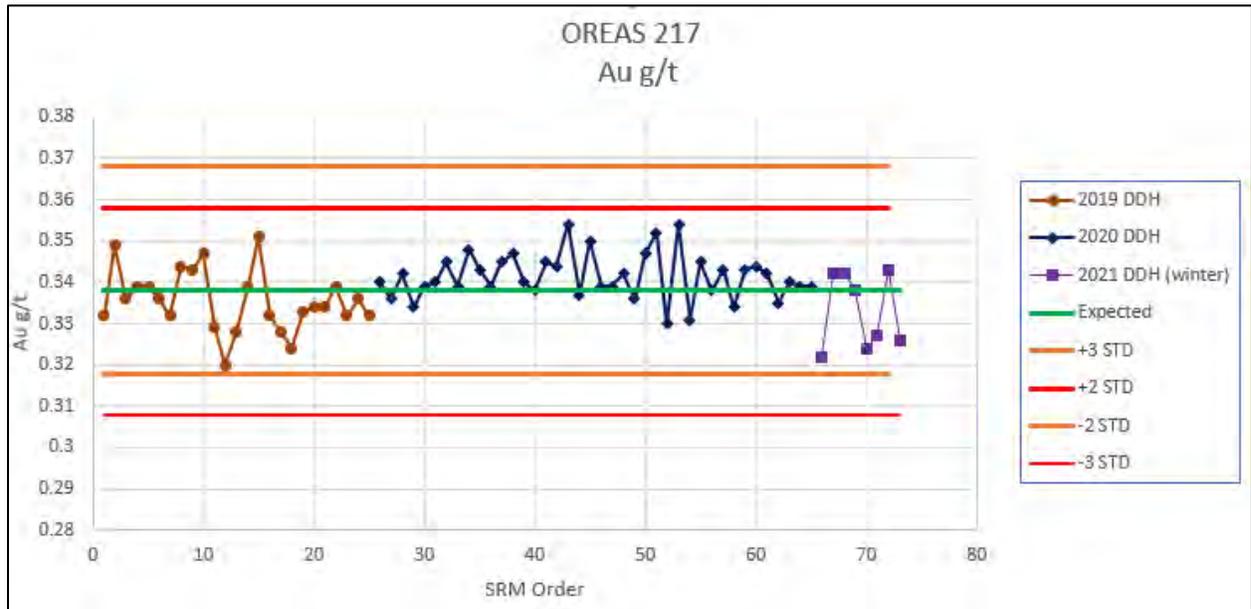
#### **QAQC Results:**

- All 140 blank samples returned results close to the detection limit of 0.005 g/t Au therefore no inter-sample contamination is apparent (Figure 11.8)
- 7 different SRMs were used:
  - CDN-GS-1Z was inserted 22 times and results were within the accepted range for the SRM (Figure 11.9).
  - CDN-GS-7H was inserted 16 times and results were within the accepted range for the SRM (Figure 11.10).
  - CDN-GS-P4J was inserted 18 times and results were within the accepted range for the SRM (Figure 11.11).
  - OREAS 217 was inserted 8 times and results were within the accepted range for the SRM (Figure 11.4).
  - OREAS 219 was inserted 20 times and one sample exceeded the 3 STD failure limit for a single sample. No other QAQC control samples in proximity to the SRM failed and no anomalous grade values were impacted so the batch was not re-assayed (Figure 11.5).
  - OREAS 223 was inserted 31 times and results were within the accepted range for the SRM (Figure 11.6).

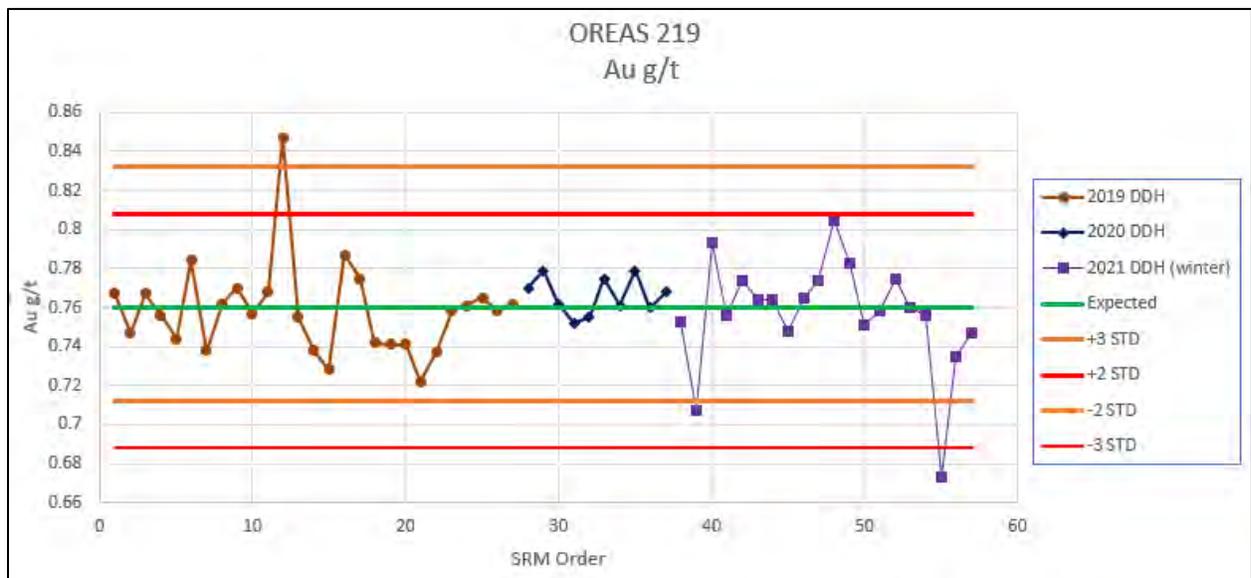
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- OREAS 226 was inserted 24 times and two consecutive samples failed by exceeding the 2 and 3 STD limits. No other QAQC control samples in proximity to these SRMs failed and no anomalous grade values were impacted so the batch was not re-assayed (Figure 11-7).

**Figure 11.3** Gold Analysis Results for SRM OREAS 217.



**Figure 11.5** Gold Analysis Results for SRM OREAS 219.



**Figure 11.6** Gold Analysis Results for SRM OREAS 223.



**Figure 11.7** Gold Analysis Results for SRM OREAS 226.



**11.9 FALL 2021 DRILL PROGRAM (GK21-045 TO GK21-053)**

The core was logged and sampled at Warrior Gold's core storage facility. The entire hole lengths were sampled. Sample intervals were between 0.30 m to 4.5 m in length with the shortest taken in areas of prospective mineralization. The average sample length was 1.80 m. All samples were analyzed by multi-element method ME-MS61.

SRMs and blanks were routinely inserted into the sample stream as part of Warrior Gold's QAQC program. Insertions were emplaced using sample numbers as follows:

- 89 Blanks were inserted when sample numbers ended in 05, 25, 45, 65 and 85 and were composed of coarse silica sand.
- 86 SRMS were inserted when sample numbers ended in 00, 20, 40, 60 and 80.
- Coarse Reject Duplicates were discontinued for this drill campaign since 1 kg of sample was being pulped.
- 90 Pulp Duplicates were inserted when sample numbers ended in 10, 30, 50, 70 and 90. A "P" was added to the sample number for these samples

Samples were cut using a diamond-bladed saw. Cut samples were placed in individual plastic sample bags with their appropriate tag before being grouped into rice bags containing 6-8 samples each. These rice bags were secured in a locked metal container and picked up by ALS Timmins for sample preparation. In total 1765 samples were shipped including 1500 core samples and 265 QAQC control samples.

ALS crushed the samples to 70% passing 2 mm (CRU-31), riffle split to 1000 g and then pulverized to 85% passing 75  $\mu$  (PUL-32).

ALS shipped the pulp samples to their analytical facility in Burnaby. All samples were analyzed by Au-AA24, a 50 g fire assay method with an AA (atomic absorption) finish and a re-assay of all assays exceeding 10 g/t using GRAV finish (Au-GRA21).

All samples were selected for ME-MS61, a 48-element 4-acid digestion method with an ICP-MS finish.

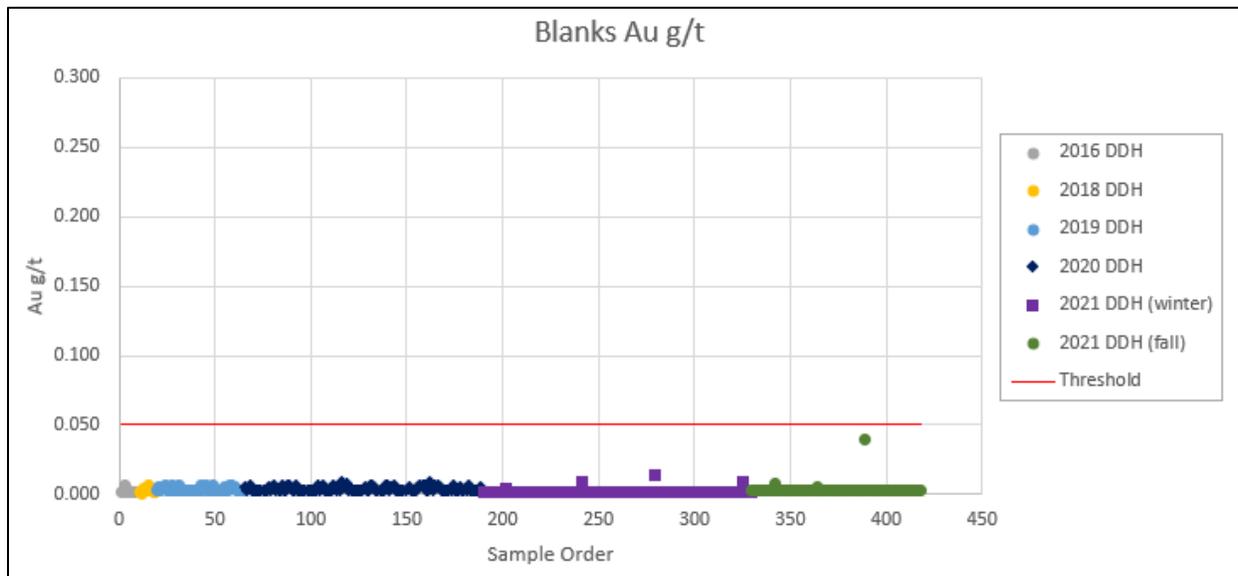
Metallic screen assaying results for 69 samples are still pending from this drill campaign at the time of the Technical Report.

**QAQC Results:**

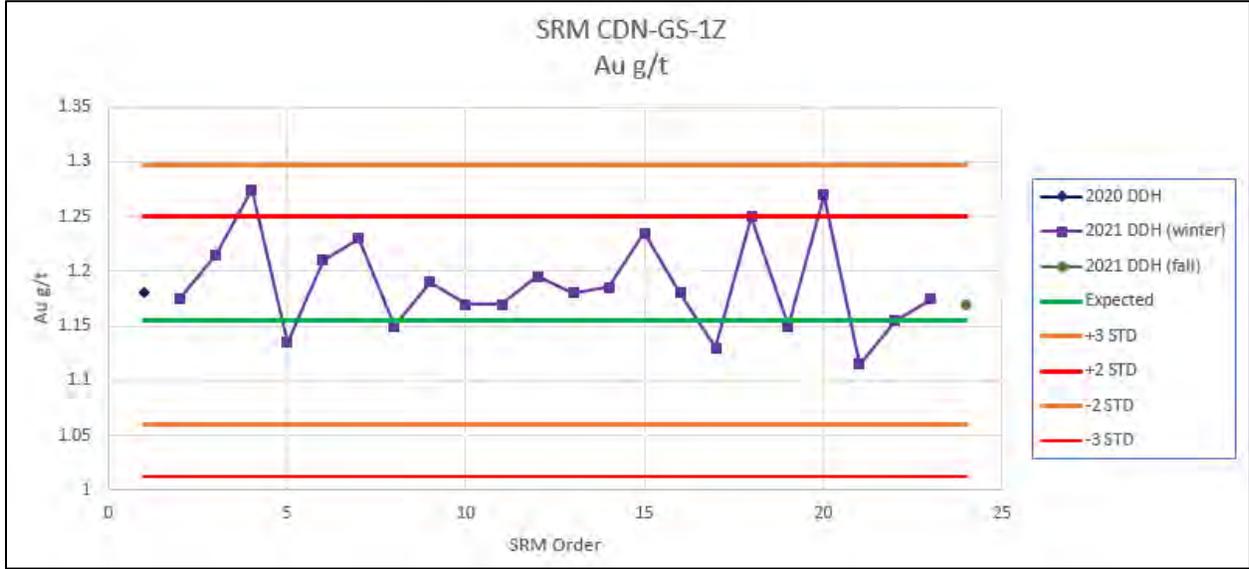
- All 89 blank samples returned results close to the detection limit of 0.005 g/t Au; therefore, no inter-sample contamination is apparent (Figure 11.8)
- 8 different SRMs were used:

- CDN-GS-1Z was inserted 1 time and the result was within the accepted range for the SRM (Figure 11.9).
- CDN-GS-7H was inserted 2 times and the results were within the accepted range for the SRM (Figure 11.10).
- CDN-GS-P4J was inserted 5 times and results were within accepted range for the SRM (Figure 11.11).
- OREAS 211 was inserted 16 times and results were within accepted range for the SRM (Figure 11.12).
- OREAS 231 was inserted 18 times and one failed result exceeded the 3 STD limit for a single sample. No other QAQC control samples in proximity to these SRMs failed and no anomalous grade values were impacted so the batch was not re-assayed (Figure 11.13).
- OREAS 234 was inserted 17 times and results were within the accepted range for the SRM (Figure 11.14).
- OREAS 236 was inserted 13 times and results were within the accepted range for the SRM (Figure 11.15).
- OREAS 239 was inserted 14 times and results were within the accepted range for the SRM (Figure 11.16).

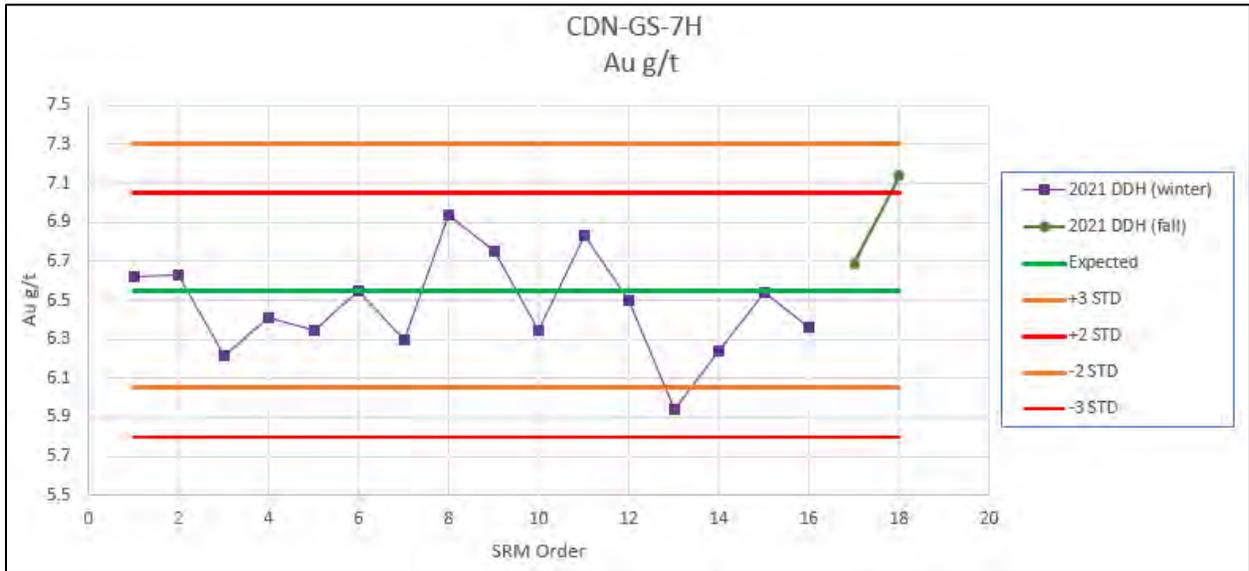
**Figure 11.4** Blank Sample Results



**Figure 11.9** Gold Analysis Results for SRM CDN-GS-1Z.

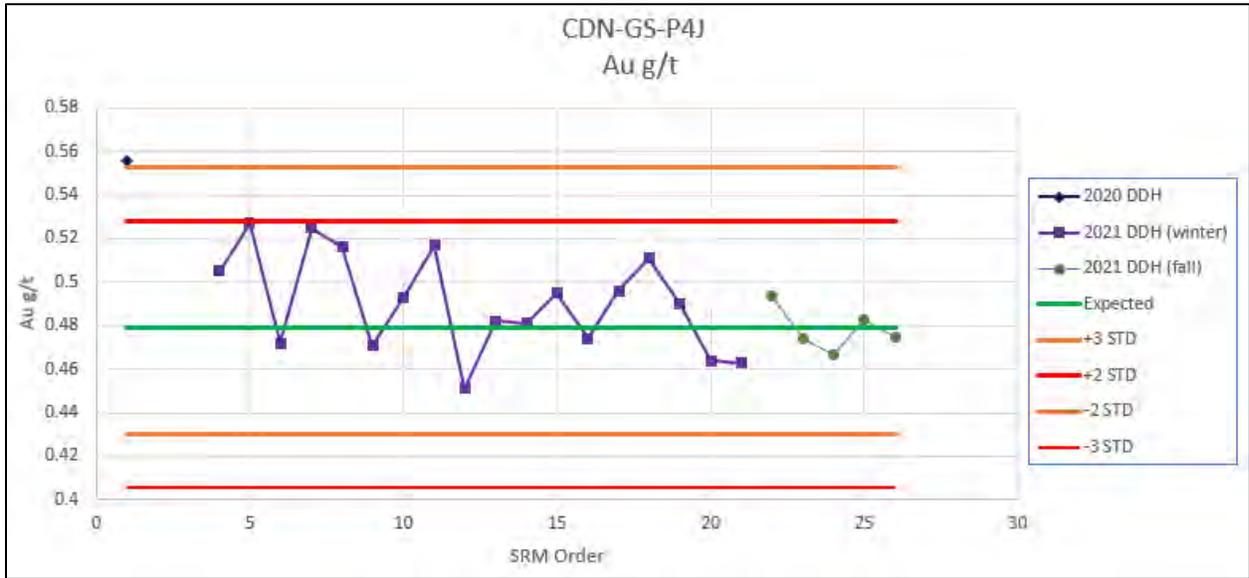


**Figure 11.10** Gold Analysis Results for SRM CDN-GS-7H.

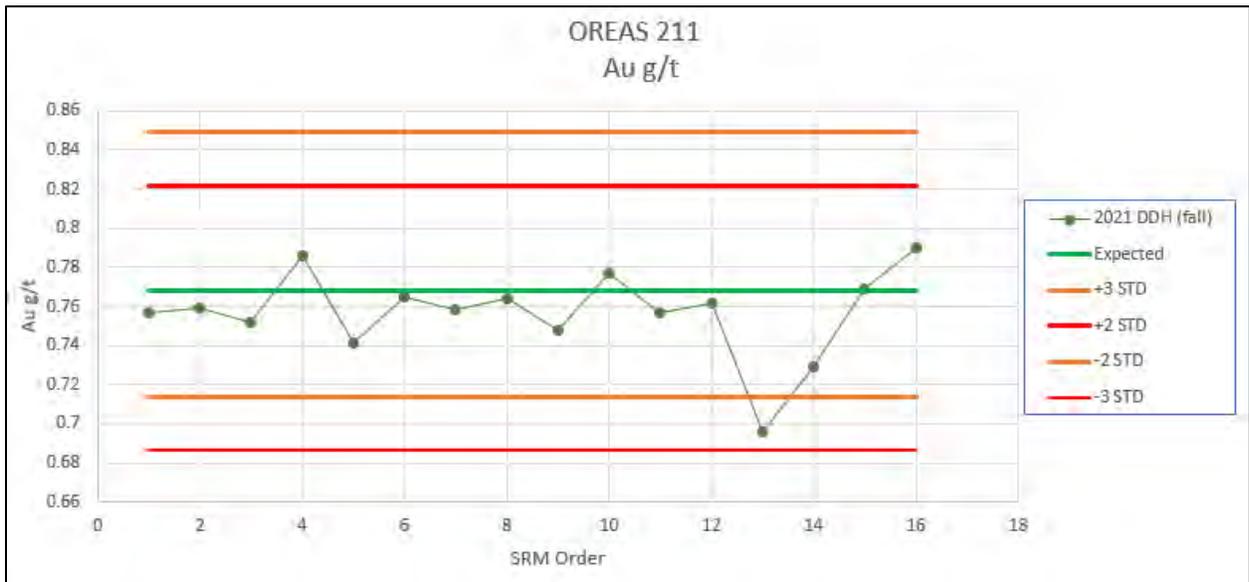


**TECHNICAL REPORT ON THE KIRKLAND LAKE PROPERTIES FOR WARRIOR GOLD**

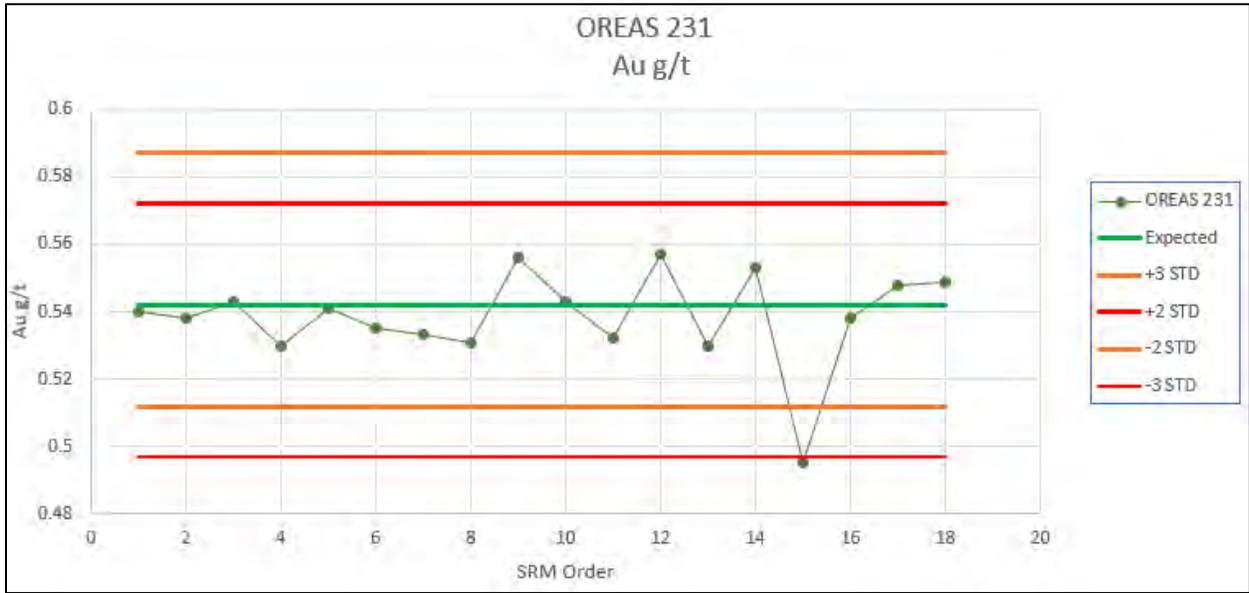
**Figure 11.11** Gold Analysis Results for SRM CDN-GS-P4J.



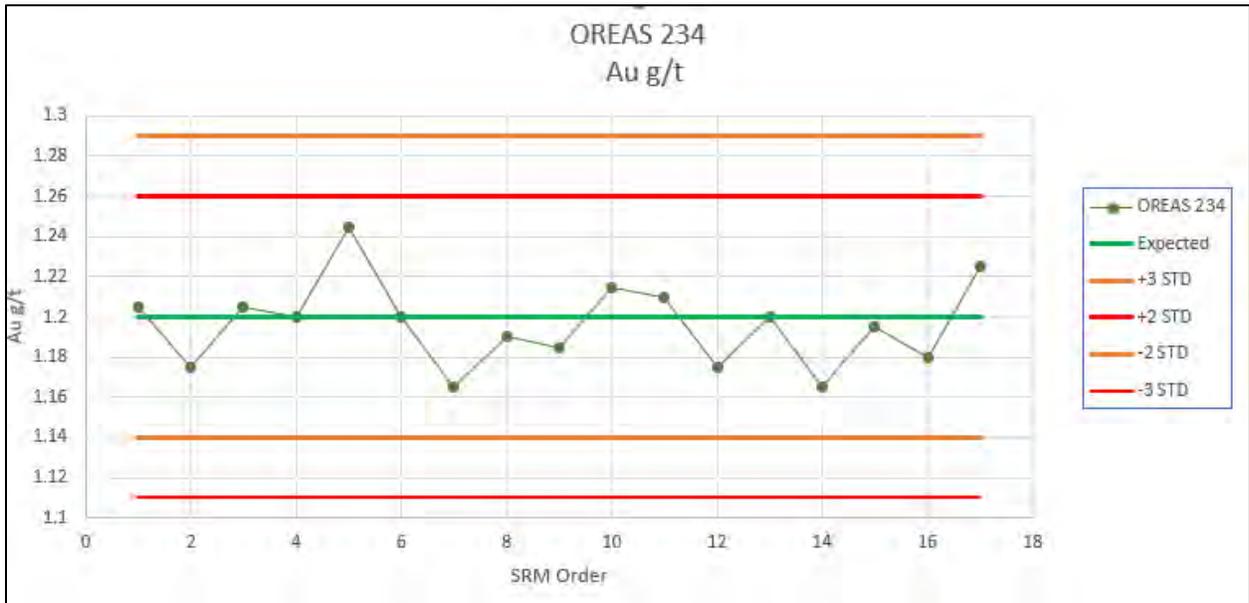
**Figure 11.12** Gold Analysis Results for SRM OREAS 211.



**Figure 11.13** Gold Analysis Results for SRM OREAS 231.

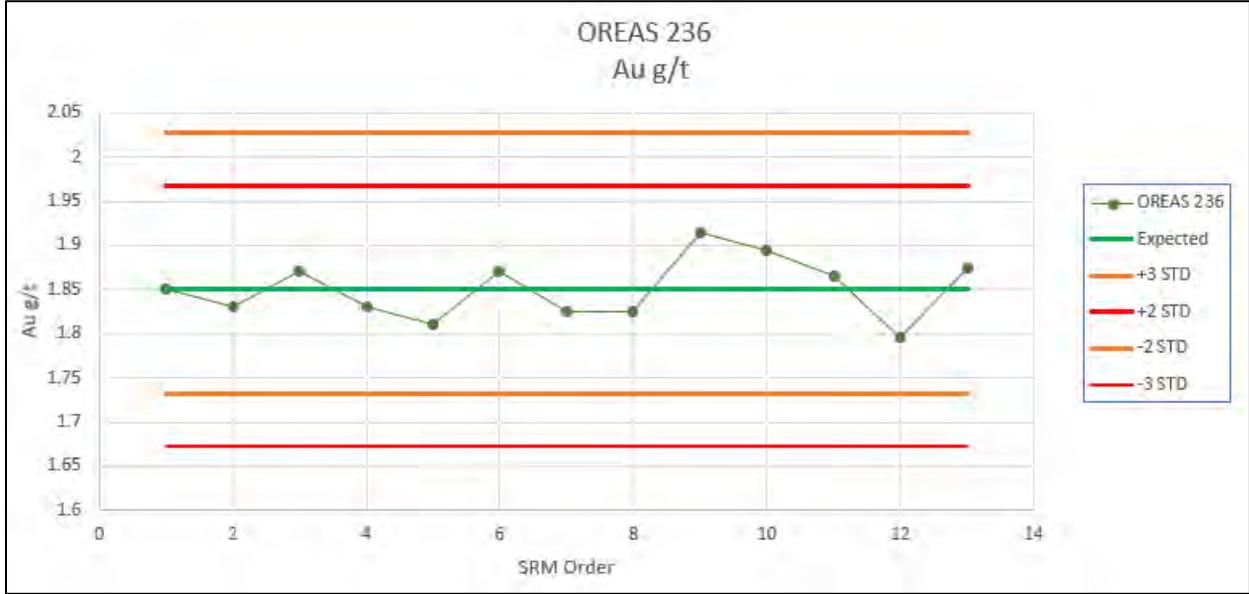


**Figure 11.14** Gold Analysis Results for SRM OREAS 234.



**TECHNICAL REPORT ON THE KIRKLAND LAKE PROPERTIES FOR WARRIOR GOLD**

**Figure 11.15** Gold Analysis Results for SRM OREAS 236.



**Figure 11.16** Gold Analysis Results for SRM OREAS 239.



### **11.10 DUPLICATE DATA**

During the 2020 drill program, Warrior Gold inserted coarse reject and pulp duplicates into the QAQC program. Duplicate data is an important check on the quality and appropriateness of the sample preparation protocols.

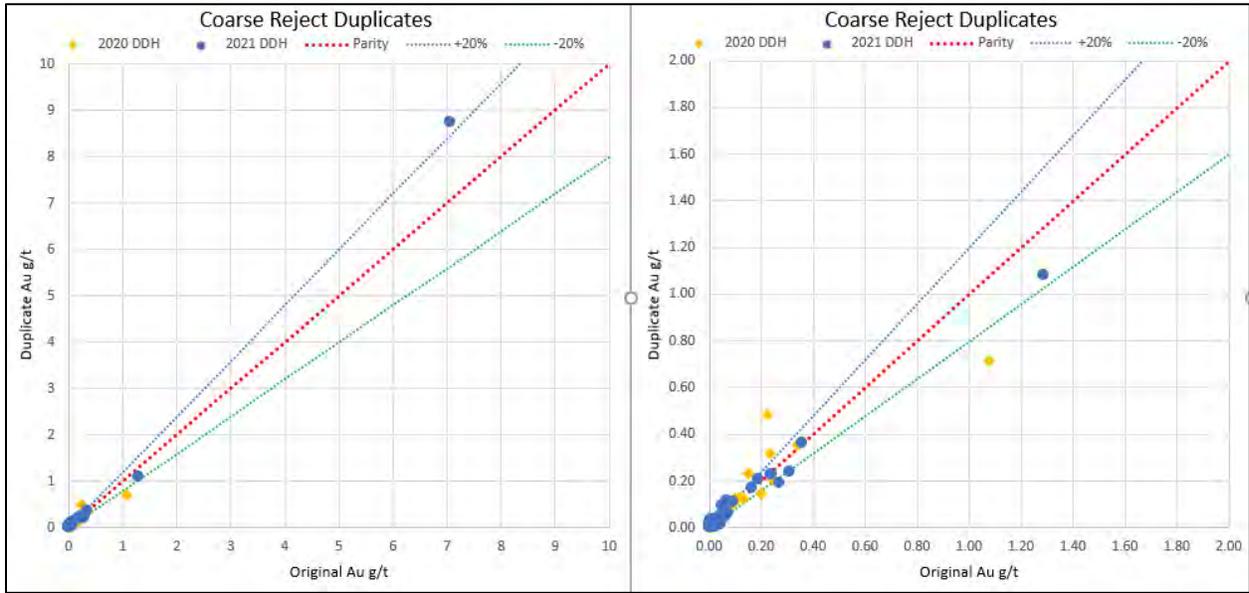
Sample preparation method up to and including the 2020 drill core was typically samples crushed to 75% passing 2 mm, split to 250 g subsample, and pulverized to 85% passing -75  $\mu$ . The method was changed starting in 2021 to samples crushed to 70% passing 2 mm, riffle split to 1000 g and then pulverized to 85% passing 75  $\mu$ . This resulted in a larger pulp sample being prepared which can be beneficial for sampling gold deposits. The fire assay subsample was also changed from 30 g to a 50 g split for the 2021 drill samples. The duplicate analysis charts below show the results from 2020 and 2021 separately to analyze the impact of the change in sample preparation and fire assay method.

#### ***Coarse Reject Duplicates***

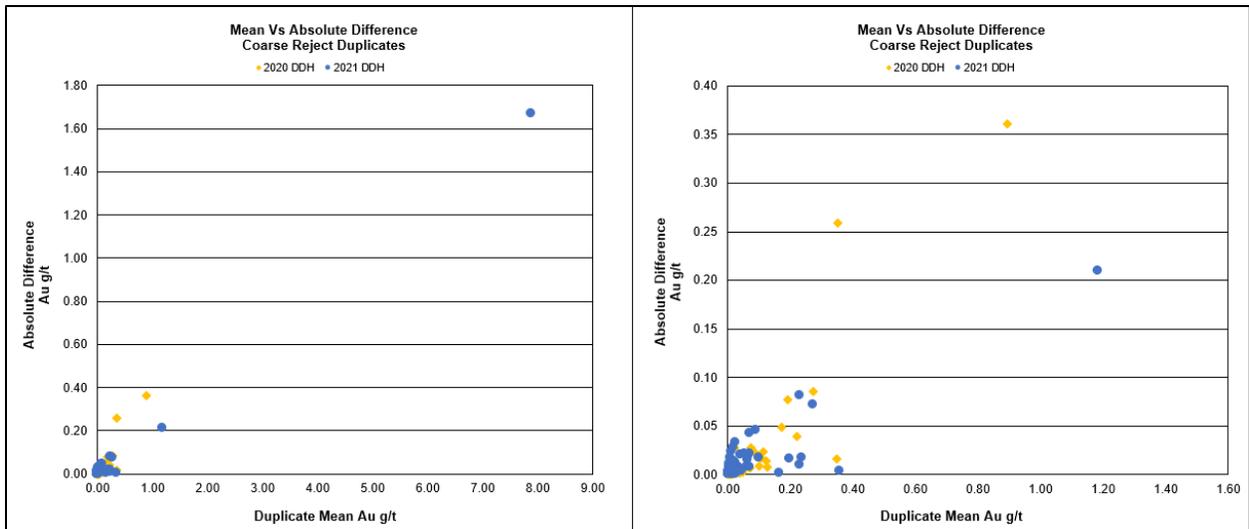
A coarse reject duplicate is a second split of the material after the first crush of 75% (SGS) or 70% (ALS) of material passing through 2 mm mesh. In 2020 there were 95 coarse reject duplicates taken and in 2021 there were 137.

The current dataset only contains three samples with results exceeding 1 g/t Au with the remaining sample results less than 0.40 g/t Au. The majority of duplicate pairs with a pair mean above 0.20 g/t Au reproduce well and have an averaged relative percent difference of 34%. The target for coarse reject duplicate pairs is 30% relative difference (Figure 11.17 to 11.19). Coarse reject duplicates were not taken during the 2021 Fall drill program and they should be reintroduced to the QAQC program to increase the number of samples for this review. During future drilling programs, additional coarse reject duplicate samples should be taken in the mineralized zones to assess the impact of sample preparation protocols at elevated gold grades.

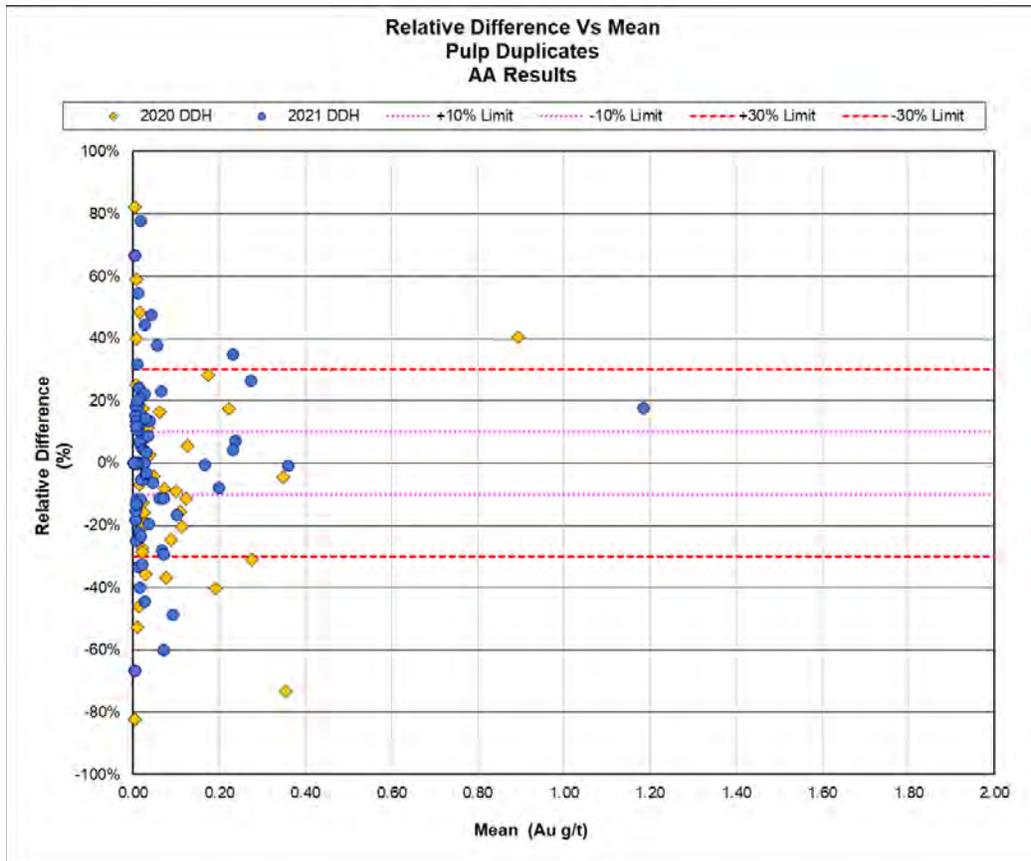
**Figure 11.5** Coarse Reject Duplicates, Scatterplot, Original versus Duplicate, Au g/t.



**Figure 11.18** Coarse Reject Duplicates, Scatterplot, Pair Mean versus Absolute Difference, Au g/t.



**Figure 11.19** Coarse Reject Duplicates, Scatterplot, Pair Mean versus Relative Percent Difference, Au g/t.

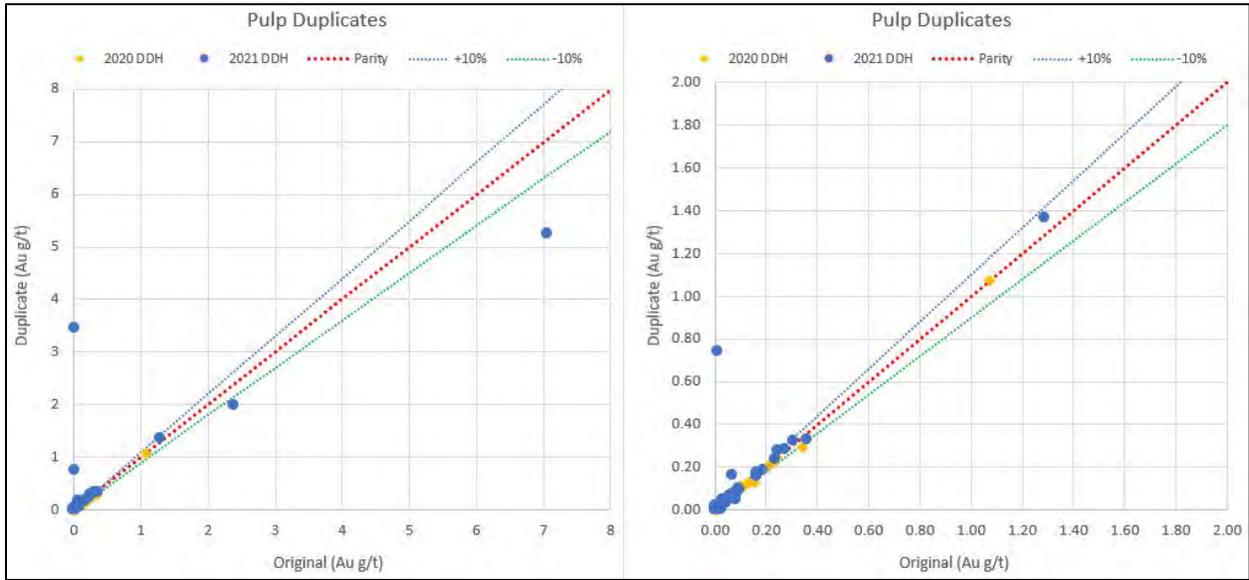


**Pulp Duplicates**

A pulp duplicate is a second split of the material after the pulverizing process of 250 g sample pulverized to 85% passing 75  $\mu$  in 2020 and 1000 g sample pulverized to 85% passing 75  $\mu$  in 2021. In 2020 there were 95 pulp reject duplicates taken and in 2021 there were 227.

The current dataset only contains five samples with results exceeding 1 g/t Au with the remaining sample results less than 0.40 g/t Au. Most duplicate pair results reproduce well and samples above 0.20 g/t Au have a relative difference of about 5%; the target threshold for pulp duplicates is 10% (Figure 11.20 to 11.22). During future drilling programs, additional pulp duplicate samples should be taken in mineralized zones to assess the impact of sample preparation protocols at elevated gold grades.

**Figure 11.6** Pulp Duplicates, Scatterplot, Original Vs Duplicate, Au g/t.



**Figure 11.21** Pulp Duplicates, Scatterplot, Pair Mean versus Absolute Difference, Au g/t.

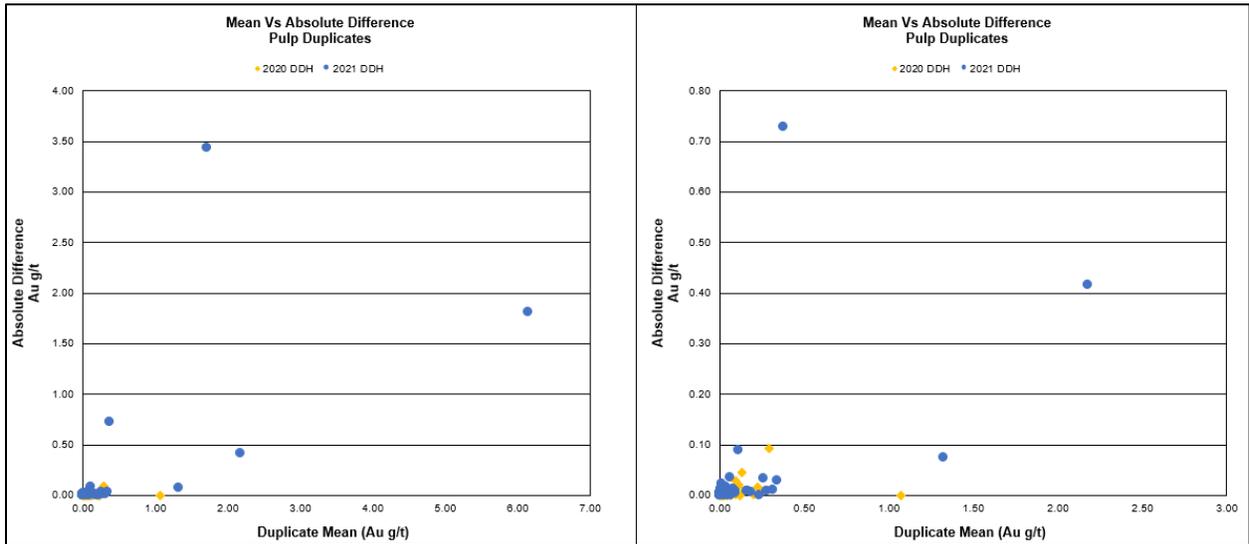
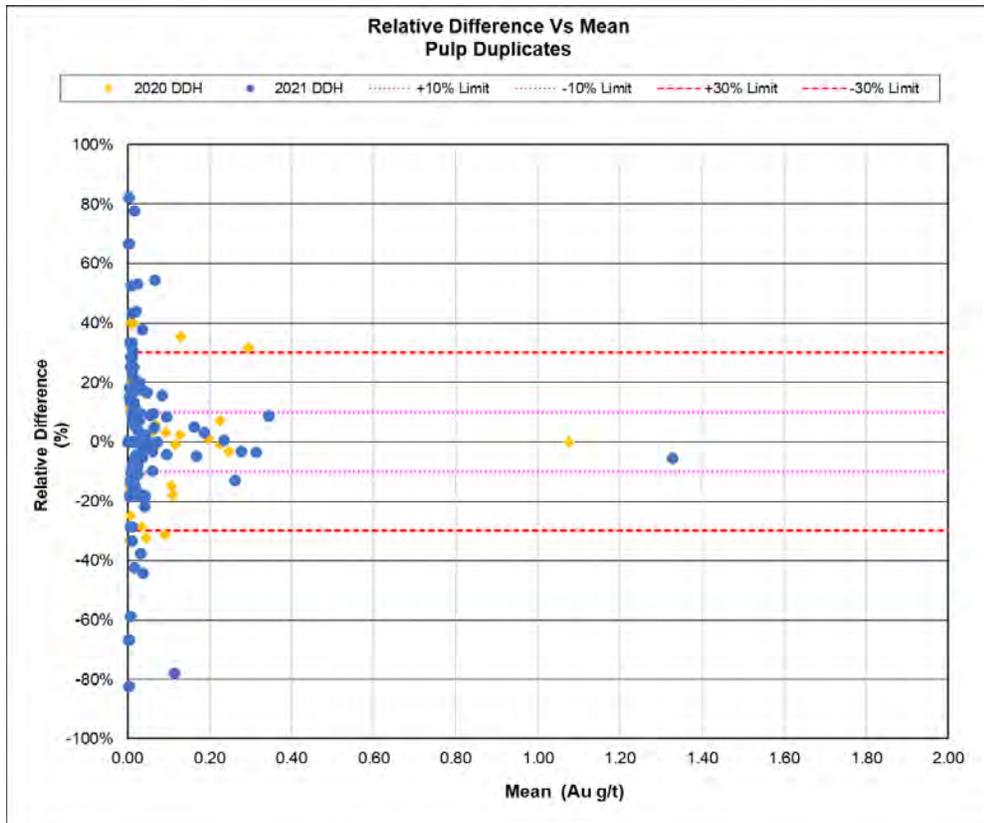


Figure 11.22 Pulp Duplicates, Scatterplot, Pair Mean versus Relative Percent Difference, Au g/t.



### 11.11 METAL SCREEN ASSAY RESULTS

Metallic screen method is used to assess coarseness of gold in the samples and assess its impact on the reliance of the sampling protocols. It is ideal to analyse samples using the same method as all other samples first (Au-AA23 FA method used up to 2020 samples and Au-AA24 FA method in 2021) and when elevated gold is reported, then request metallic screen analysis on the coarse reject materials. The metallic screen method used was ALS’s Au-SRC24C where a 2 to 3 kg pulp is pulped and screened to 100 microns and the coarse and fine material are weighted and assayed. The entire portion of the coarse fraction and two 50 g subsamples of the fine portion are fire assayed.

In 2020, metallic screen assaying was completed in two phases for the summer drill core samples. There was a first group of 71 samples that were selected during core logging for assaying using Au-SRC24C method. Samples were selected if they showed strong sericite and carbonate alteration with sulphides and veining. Only 20 samples returned gold results higher than 0.025 g/t Au. This method was discontinued and these samples are

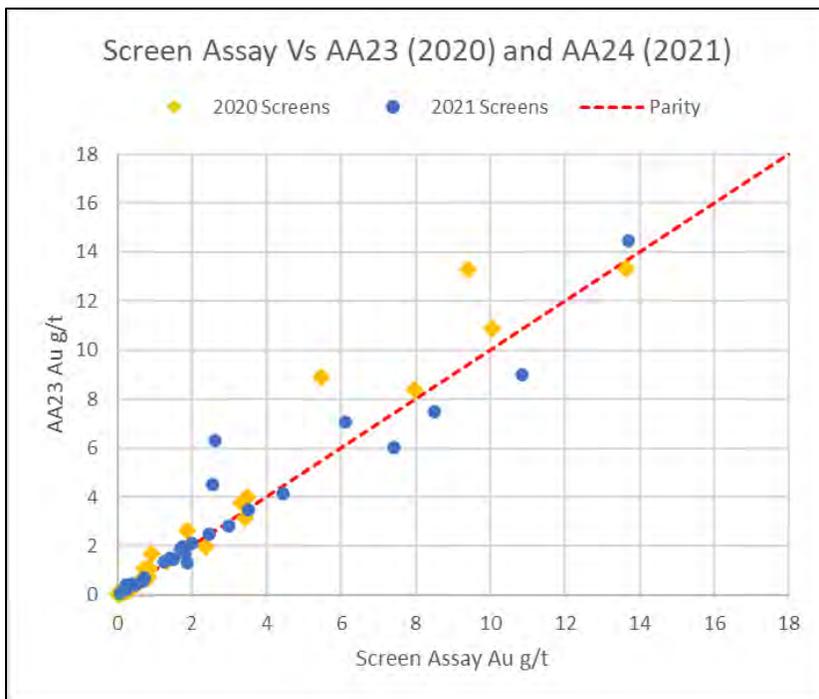
not included in the subsequent analysis as there is no initial fire assay value to which to compare the screen results. Twenty-nine (29) samples from the 2020 drill program were selected for screen analysis based on elevated gold in the Au-AA23 fire assay method.

In 2021, 26 samples were selected for screen analysis from the winter program and 69 were selected from the fall 2021 drill program based on elevated fire assay results. The results for the fall drill program are still pending at the time of this report.

There are currently only 29 samples from 2020 and 26 samples from 2021 for a total of 55 screen analysis sample results available for this review. This is a small dataset and more data is required to complete this study. Initial results indicate the sampling protocols are reasonable and producing reliable results.

There are differences in the results between the fire assay and the screen assay results but there is no bias as the scatter of results is both above and below the parity line in Figure 11.23. This indicates that no single method is showing constantly higher or lower gold results. A review of the gold grade of the coarse and the fine fractions reveals that 90% of the gold is present in the fine fraction of the screened materials so coarse gold is not a widespread problem for the majority of samples, though visible gold has been noted in the core occasionally.

**Figure 11.7** Scatter Plot of Screen Assay Vs Fire Assay Results, Au g/t



## **12.0 DATA VERIFICATION**

In 2015 Orix Geoscience was commissioned to compile all the available historical geological data, including drillhole data into a database and all surface work that could be properly located into 3D georeferenced files. Warrior has completed its own due diligence through several database audits to ensure the data is as accurate as possible.

Drillhole data is stored in a virtual database using MX Deposit software as a service (SaaS). Drill data since 2020 has been directly entered into the online database using tablets. The program has built-in data checks including sample gaps and overlapping sample intervals. Assay data is loaded into the database from the laboratory export files.

The Author logged core and field supervised all aspects of the fall 2021 drilling campaign between October 12 to November 15<sup>th</sup>, 2021.

### **13.0 MINERAL PROCESSING and METALLURGICAL TESTING**

Warrior Gold has not performed any mineral processing or metallurgical testing within the Property.

## **14.0 MINERAL RESOURCE ESTIMATES**

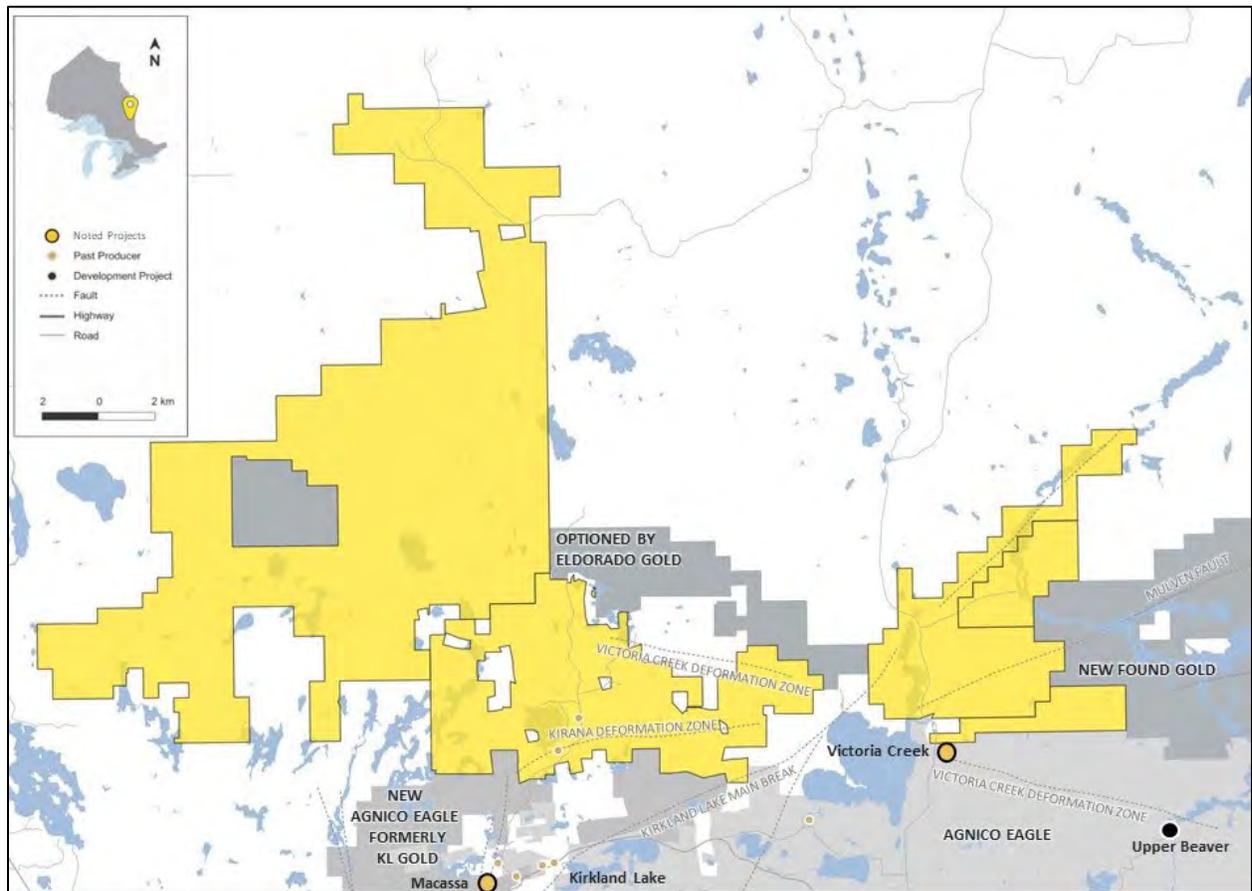
Warrior Gold has not performed any resource estimates on the Property.

## 15.0 ADJACENT PROPERTIES

Two adjacent properties that underpin the strategic location of the Kirkland Lake Properties (Figure 15.1) are:

- Victoria Creek Deposit (Agnico Eagle)
- Lucky Strike Project (New Found Gold)

**Figure 15.1** Adjacent mines and deposits proximal to the Kirkland Lake Properties.



### 15.1 VICTORIA CREEK DEPOSIT

From MNDM MDI 32Do4NW00043:

Discovered in 1993 by Sudbury Contact Mines Limited, the Victoria Creek Deposit has an unclassified non-compliant historical mineral resource estimate of 4.27 Mt at an average grade of 3.27 g/t Au. The Author has not done sufficient work to classify the historical estimate as current mineral resources and the Warrior is not treating the historical estimate as current mineral resources. The estimate was not reported using any

classification to offer guidance on confidence ranges. Sudbury Contact Mines sunk a shaft to 524.6 m and drifted on the 350 m level where a bulk sample was taken.

The Victoria Creek gold zones occur within calc-alkalic volcanic rocks of the Upper Blake River Assemblage. A sharp contact apparently concordant with the lithologies exists between Gauthier volcanic rocks and stratigraphically overlying tholeiitic flows of the Lower Blake River Assemblage, which locally have well developed pillows with tops facing north. Gold-mineralized zones and host lithologies strike 80-85 degrees and dip 65 degrees north, locally flattening to 55 degrees. Gold mineralization is generally confined to three zones: 4A, 4C and 4D. In these zones gold mineralization is well defined and appears to follow hydrothermally altered shear zones controlled by  $S_1$  deformation. These zones tend to be well defined and well banded in the 4C Zone on the 350 level where narrow sericite-chlorite and semi-massive pyrite bands separate strong silicified-albitized bands up to 1.5-cm wide. In the 4A Zone, where observed, silicification and albitization are well developed and pyrite mineralization tends to occur more commonly in blebs and stringers. The gold zones enveloped by sericite-carbonate are moderately to weakly silicified and albitized volcanic rocks. Anomalous gold values are apparently associated with minor pyrite blebs and stringers. There are mainly two superimposed structural deformation zones ( $S_1$  &  $S_2$ ). The  $S_1$  deformation zone more or less parallels stratigraphy, strikes 80-90 degrees and dips 55-70 degrees north. Strong sericitization, carbonatization, silicification, albitization and gold mineralization are associated with this shear direction. The  $S_2$  deformation zone, a penetrative shear zone, strikes 60-70 degrees and dips 30-45 degrees north-northwest. Banding caused by  $S_1$  deformation is deformed by  $S_2$  deformation into Z-style banding with south side up relative to the north side.

## **15.2 LUCKY STRIKE PROJECT**

The following information is from New Found Gold's (NFG) Management's Discussion and Analysis filed in March, 2022.

The Lucky Strike Project is located 10 km north of Larder Lake, Ontario and covers favourable and underexplored structural corridors associated with the Larder Cadillac Deformation Zone. The project is comprised of 639 single cell unpatented mining claims.

The Lucky Strike Project is covered by the Lower Blake River Group which is dominated by intermediate to mafic, massive volcanic flows. The volcanic flows have been intruded by diorite-gabbro intrusions which are up to 7 kilometres by 1.5 kilometres in size. In the Walsh-FP area a syenite-syenite porphyry intrudes the mafic-intermediate volcanics and hosts the gold-bearing quartz-ankerite veins of the Walsh Mine. The long axis of this syenite intrusion strikes approximately north-south and extends for 3.5 kilometres on the

property and another 3 kilometres south of the property and is generally 0.5 kilometres wide. Two major regional faults cross the property, the Misema-Misty Lake Fault and the Mulven Fault, striking roughly in a northeast/southwest direction. These structures have been speculated as being a continuation of the Kirkland Main Break Fault system which hosted the seven historic gold mines of the Kirkland Lake Gold camp. The Victoria Creek Deformation Zone, possibly a splay off the Misema-Misty Lake Fault and a control on the Victoria Creek and Upper Beaver Mines, lies just south of the property with splay structures extending onto the property.

During the summer of 2021, NFG completed a 3D distributed induced polarization (IP) survey within the central and eastern portions of the property to test surface prospecting targets. The survey covered projected extensions of the Misema-Misty Lake and Mulven Fault Zones as well as a large mafic syenitic body within the Kerr North target area. The survey resulted in the delineation of several geophysical targets and anomalies predominantly related to chargeability associated with the Mulven Fault Zone.

Starting in November 2021 the Company initiated a 4000m diamond drilling program at the Lucky Strike project. This program has been designed to test a variety of targets including the surface stripped outcrop located at the FP Zone where channel samples in 2018 yielded gold grades up to 72.2 g/t Au over 3.9 m. Other targets include geophysical chargeability anomalies associated with the Mulven Fault as well as within a large syenitic intrusion hosting the historic Kerr North showings. It is anticipated this program continues through Q2 2022.

No results from the drilling have been released at the time of issuing this Report.

## **16.0 OTHER RELEVANT DATA AND INFORMATION**

There is no additional data or information that the Author is aware of that would change his findings, interpretation, conclusions, and recommendations of the potential of the Kirkland Lake Properties.

## **17.0 INTERPRETATION AND CONCLUSIONS**

The Kirkland Lake Properties are hosted within the Abitibi Subprovince, one of the most metal-endowed terranes in the world having produced over 250 million ounces of gold and 400 million tonnes of base metal ore. One of the important camps in the Abitibi Subprovince is the Kirkland Lake gold camp which in itself has produced 25 million ounces of gold over its 100 years of production.

The mines of the Kirkland Lake camp are structurally controlled, orogenic gold deposits which are hosted and associated with second- to third-order structures from the crustal scale Cadillac-Larder Lake deformation zone. The CLLdz extends for 100s of km from Matachewan, Ontario to Val d'Or, Quebec with numerous past and present gold mines in its proximity. Host rocks to these gold deposits and mines vary widely from mafic to felsic volcanics, mafic to felsic intrusive rocks and sediments. Alteration has a broad common theme of varying degrees of silicification and/or carbonatization and/or potassic enrichment and/or pyrite mineralization. Recent studies and mapping in the Kirkland Lake area suggest that several second- to third-order structures occur north of the CLLdz for 2-10 km and are responsible for providing pathways for gold-bearing hydrothermal fluids for many of the former gold mines, deposits and occurrences. The Kirana deformation zone is considered a second- to third-order structure.

The Goodfish-Kirana block hosts the Kirana deformation zone. Several old shafts and workings exploited gold associated with this structure. The Kirana deformation zone and surrounding proximity remain a target of merit for future exploration efforts by Warrior Gold.

North of the Kirana deformation zone is the A-Zone, a shear-hosted gold-bearing structure on which Warrior Gold has completed 46 diamond drill holes in 11,500 m. The zone now extends 650 m in strike length and 350 m vertically. Gold mineralization is also located in the footwall and hanging wall of the A-Zone, making this structure an important focus for future delineation. Other notable gold occurrences are contained within the B-Zone and C-Zone and probably represent parallel additional shear zones related to the Kirana deformation zone. These zones also remain targets of high merit for future exploration and drilling efforts.

The KL West claim block lies within a diverse lithological framework within the Lower and Upper Blake River assemblages. It is also very structurally active hosting abundant anti- and syn-formal features that are the focus of shear and deformation zones. The KL West property has multiple occurrences of gold in an orogenic deposit style. Gold is associated with calc-alkalic felsic intrusive rocks (syenite) which is host to gold

mineralization at the Macassa gold mine and the Young-Davidson gold mine in Matachewan. Gold also occurs in shear-hosted quartz vein systems. Prolonged systematic exploration efforts haven't occurred since the late 1990s. The KL West claim block holds potential for additional discoveries of gold.

The KL Central claim block hosts the extension of the Main Break, or Kirkland Lake Fault that hosts many of the former gold mines and is host to important gold mineralization at the producing Macassa mine. Several important second- to third-order structures are also present on the property, namely the Misema Lake-Mist Lake fault and Mulven Lake fault which occupy limbs of anti- and syn-formal structures. The Victoria Creek Deposit lies just 250 m south of the southern border of the KL Central claim block. Very little systematic exploration has been performed on the property and very little drilling. Overburden cover is extensive on the property which may have deterred previous exploration efforts, but in the opinion of the Author, provides opportunity to discover blind gold mineralization.

## **18.0 RECOMMENDATIONS**

Based on the success of Warrior Gold’s drilling efforts at the A-Zone on the Goodfish-Kirana claim block to date additional drilling is warranted and recommended to further delineate this gold-bearing shear zone. Significant broad lower grade mineralization has been intersected in the footwall and thus far is poorly understood in its relationship or association with the A-Zone structure. Gold mineralization has also been intersected in the hangingwall at the western end of the A-Zone and warrants further exploration. Efforts should be made to understand the mineralizing controls to the high-grade gold mineralization through structural studies and observations in the hangingwall. Additional targets on the Goodfish-Kirana claim block should be drilled that meet structural and geological criteria conducive for success. A drill program to complete this objective is 5,000 metres at an all-in cost of \$225 per metre (cost for last program) for an estimated budget of **\$1,125,000**.

The KL West and KL Central claim blocks are underexplored properties in an Archean greenstone property that has proven to yield important gold mineralization. Applying modern day exploration techniques and up to date geological modeling based on similar gold deposits hosted within the Blake River Group Group with emphasis on well-known deposits of the Kirkland Lake gold camp and the gold deposits in the Noranda district will undoubtedly unlock its full potential and provide the clues to a major deposit. For this, methodical, patient and diligent exploration is needed, and when the details of the combined efforts and methods are considered and studied, the benefit of a substantial discovery will be reaped by all who are involved.

Compilation of all historical geological, geochemical and geophysical data into GIS referenced layers is the first and most important base of needed knowledge for methodical and diligent well-vectored exploration. Historical drilling needs to be verified in a high integrity database and modeled for mineralization and lithology. Three-dimensional (3D) integration of drilling, surface sampling, trenching and geophysical surveys should be incorporated and compiled. Following the currently scheduled Goldspot heliborne magnetic, VLF, radiometric and Lidar survey, a competent structural geologist should interpret the results integrating mineralization and geology to vector exploration efforts to those areas of high merit. Ground-truthing through prospecting, mapping and trenching of these areas would generate targets for possible follow-up soil sampling and/or ground geophysical surveys. An estimated budget for the structural-geological interpretation and ground-truthing programs on the KL West and KL Central claim blocks is **\$581,460** (Table 18.1).

*Table 18.1 Estimated budget for 2022 exploration on the KL West and KL Central claim blocks.*

<b>KL West and KL Central 2022 Exploration Budget</b>				
<b>Exploration Item</b>	<b>Units</b>	<b>Unit Amount</b>	<b>Unit Cost</b>	<b>Item Cost</b>
Goldspot Discoveries heliborne Lidar, VLF, radiometric and magnetic survey	1	1	\$350,000	\$350,000
Logistics for above survey	1	1	\$15,000	\$15,000
2D and 3D GIS compilation	1	1	\$25,000	\$25,000
Strucutral-Geological Interpretation	1	1	\$15,000	\$15,000
Mapping, sampling, ground truthing (2 geologists and two technicians )	days	30	\$2,000	\$60,000
Senior Geologist, supervision, all-in	days	10	\$1,000	\$10,000
Room and Board (for 4)	days	30	\$620	\$18,600
Analyses (250 samples)	samples	250	\$60	\$15,000
Rentals (truck and atv)	days	30	\$500	\$15,000
Report	1	1	\$5,000	\$5,000
Sub-total				\$528,600
10% Contingency				\$52,860
<b>Total</b>				<b>\$581,460</b>

Subsequent exploration beyond 2022 will depend upon the success and results of exploration plans cited above.

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# TECHNICAL REPORT ON THE KIRKLAND LAKE PROPERTIES FOR WARRIOR GOLD

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Anderson, S.	1995	Geophysical report on an induced polarization survey for Ots J. Exploration Limited on the Maisonneville Township properties, Larder Lake Mining Division	Assessment Report AFRI No. 42A01NE0023, 32p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A01NE0023.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A01NE0023.html</a>	1995	42A01NE0023	2.16821, W9680.00460		Ots J Expl Ltd
Archibald, G.F.	1974	Report on diamond drilling, Lynn-Canada & New Inco Joint Venture, Winnie Lake Hurd option, Teck & Bernhardt townships, Ontario	Assessment Report AFRI No. 42A01NE0022, 4p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A01NE0022.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A01NE0022.html</a>	1974	42A01NE0022	63.3274		Lynn-Canada Expl Ltd, New Inco Mines Ltd
Babin, T	1986	Diamond drill report for Noranda Exploration Ltd., Maisonneville Township	Assessment Report AFRI No. 42A01NE0041, 12p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A01NE0041.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A01NE0041.html</a>	1987	42A01NE0041	26, W8708.00116		Noranda Exploration Co
Baker, N.W.	1973	Report on diamond drilling in Maisonneville and Cook townships, Larder Lake Mining Division, Ontario	Assessment Report AFRI No. 42A01NE0062, 12p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A01NE0062.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A01NE0062.html</a>	1972	42A01NE0062	14		Imperial Oil Enterprises
Barrie, C.Q.	1986	Report on an airborne magnetic and VLF-EM survey, Maisonneville Township, Larder Lake Mining Division, Ontario	Assessment Report AFRI No. 42A01NE0043, 22p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A01NE0043.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A01NE0043.html</a>	1985	42A01NE0043	2.8803, W8608.00001		Glen Auden Resc Ltd
Barrie, C.Q.	1988	Report on an airborne magnetic and VLF-EM survey, Benoit and Melba townships, Larder Lake Mining Division, Ontario for Nordex Explosives Ltd.	Assessment Report AFRI No. 42A08SE0019, 46p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A08SE0019.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A08SE0019.html</a>	1988	42A08SE0019	2.11558, W8808.00273, W8808.00318, W8808.00399		731530 Ontario Ltd, N
Beckmann, H.	1980	42-A-1, Kirkland Lake claims, Ontario, Maisonneville Township Claim L531564, electromagnetic and magnetic surveys	Assessment Report AFRI No. 42A01NE0059, 12p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A01NE0059.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A01NE0059.html</a>	1980	42A01NE0059	2.3491		Rio Tinto Canadian Expl Ltd
Benham, W.	1993	Joutel Resources Ltd., Canac project, prospecting report, Goose Egg Lake – Duff/Miller properties, Maisonneville, Ontario	Assessment Report AFRI No. 42A08SE9901, 25p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A08SE9901.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A08SE9901.html</a>	1993	42A08SE9901	2.15290, W9408.00029		Joutel Resources Ltd
Berger, B.	1983a	Expenditure credits for assaying for diamond drill core and overburden drilling, Glesson-Rampton property	Assessment Report AFRI No. 42A08SE0028, 84p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A08SE0028.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A08SE0028.html</a>	1983	42A08SE0028	2.7681, W8508.51303		St. Joe Canada Inc.
Berger, B.	1983b	Submitted reports covering geological, geophysical, diamond drilling and overburden drilling, OMEP Grant CM82-6-c-206	Assessment Report AFRI No. 42A08NE8940, 135p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A08NE8940.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A08NE8940.html</a>	1982	42A08NE8943	63.4243, 42A08SE8940		St Joe Canada Inc
Berger, B.	1983c	Submitted reports covering diamond drilling on Glesson-Rampton property, OMEP Grant CM82-6-c-206	Assessment Report AFRI No. 42A08SE0033, 51p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A08SE0033.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A08SE0033.html</a>	1983	42A08SE0033	19		St Joe Canada Inc
Bergmann, H.J.	1981	Report on geophysical surveys on the property of Cedar Ridge Explorations Ltd., Maisonneville and Bernhardt Twp., Ont.	Assessment Report AFRI No. 42A08SE0162, 19p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A08SE0162.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A08SE0162.html</a>	1981	42A08SE0162	2.4073		Cedar Ridge Expl Ltd
Boileau, P.	2006	Ground magnetic surveys executed on the Kirkland Lake area, northeastern Ontario (42A/01-42A/09) on behalf of Diancor Resources Inc.	Assessment Report AFRI No. 20000001989, 28p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/20000001989.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/20000001989.html</a>	2006	20000001989	2.34256, KL-5725, W0780.00348	KL-5725	Diancor Resc Inc
Boivin, M.	2007	Report on an airborne magnetic survey on the Morrisette and Bernhardt project, Ontario Canada for Gold Diamet Ltd.	Assessment Report AFRI No. 20000000043, 15p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/20000000043.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/20000000043.html</a>	2007	20000000043	2.36618, KL-5862, W0780.02235	KL-5862	Gold Diamet Ltd
Boone, P.	1994	Report on overburden stripping and sampling, Melba Township	Assessment Report AFRI No. 42A08SE0002, 8p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A08SE0002.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A08SE0002.html</a>	1993	42A08SE0002	63.6353, W9480.00009		P Boone
Brett, J.	1998	Assessment report, Maisonneville property, Kirkland Lake, Ontario	Assessment Report AFRI No. 42A08SE2002, 19p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A08SE2002.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A08SE2002.html</a>	1997	42A08SE2002	2.18157, W9880.00090		Opwica Explorations Inc
Brown, P.A.R.	2008	Diamond Drill Report for Gold Diamet Resources Bernhardt and Morrisette twps, Larder Lake Mining District, Ontario	Assessment Report AFRI No. 20000003471, 10p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/20000003471.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/20000003471.html</a>	2008	20000003471	2.39039, KL-6024, W0880.01821, 20000003471	KL-6024	Gold Diamet Resc Ltd
Byrne, C.	1977a	Here Fault Copper Limited, Melba Township, Ontario, A summary report – April 1977	Assessment Report AFRI No. 42A08SE0042, 19p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A08SE0042.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A08SE0042.html</a>	1977	42A08SE0042	63.3512, 42A08SE0043, 42A08SE0045		Here Fault Copper Ltd
Byrne, C.	1977b	Report on a Max-Min EM and ground magnetic survey	Assessment Report AFRI No. 42A08SE0044, 14p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A08SE0044.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A08SE0044.html</a>	1977	42A08SE0044	2.2335		Here Fault Copper Ltd
Caira, N.	1985	Geological report on the property of Glen Auden Resources Ltd., Maisonneville and Grenfell townships, Larder Lake Mining Division, District of Timiskaming	Assessment Report AFRI No. 42A01NE0044, 125p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A01NE0044.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A01NE0044.html</a>	1985	42A01NE0044	2.8629, W8508.00315, 42A01NE0046		Glen Auden Resc Ltd
Caira, N.	1986	Summary report on the diamond drilling program carried out on behalf of Glen Auden Resources in Maisonneville Township	Assessment Report AFRI No. 42A01NE0038, 111p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A01NE0038.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A01NE0038.html</a>	1986	42A01NE0038	27, W8708.00130		Glen Auden Resc Ltd
Carmichael, S.J.	1992	Report on the Bernhardt/Morrisette township property, Larder Lake Mining Division for Arnold Merrick	Assessment Report AFRI No. 42A01NE9807, 29p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A01NE9807.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A01NE9807.html</a>	1992	42A01NE9807	2.14832, W9208.00222		A Merrick
Carmichael, S.J.	1996a	Report on exploration activities CW-Melba Property, Melba Township, District of Cochrane, Ontario, Larder Lake Mining Division	Assessment Report AFRI No. 42A08SE0116, 28p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A08SE0116.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A08SE0116.html</a>	1995	42A08SE0116	2.16493, W9680.00199		R Wielan, S Carmicha
Carmichael, S.J.	1996b	Geophysical report on Maisonneville Township claim 1211492, Larder Lake Mining Division, District of Timiskaming for 846291 Ontario Limited	Assessment Report AFRI No. 42A01NE0313, 16p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A01NE0313.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A01NE0313.html</a>	1996	42A01NE0313	2.17565, W9780.00771		849261 Ontario Ltd
Cedar Ridge Explorations Ltd.	1981	Cedar Ridge Explorations Ltd., Prospectus	Assessment Report AFRI No. 42A08SE0163, 54p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A08SE0163.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A08SE0163.html</a>	1981	42A08SE0163	63.3874		Cedar Ridge Expl Ltd
Chartre, E. & Fraser, R.J.	1999	WHO Explorations, geophysical surveys, Bernhardt Twp. property, 1999 extension (Chartre) & Report on geological mapping, Bernhardt project, Bernhardt Township, Larder Lake Mining Division, Ontario (Fraser)	Assessment Report AFRI No. 42A08SE2007, 32p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A08SE2007.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A08SE2007.html</a>	1999	42A08SE2007	2.20215, W0080.00131		Charles Edward Webster, Gene Sibney Shelp
Christie, D.W. and Jamieson, D.R.	1993	Subsary Contact Mines Ltd., Diamond drilling report for the Blake River Reconnaissance projects in Tamnashill and Melba townships	Assessment Report AFRI No. 42A08SE0070, 29p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A08SE0070.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A08SE0070.html</a>	1992	42A08SE0070	23, W9380.00305		Sadsbury Contact Mine
de Carle, R.J.	1991	Report on a combined helicopter magnetic, electromagnetic and VLF survey, Canac property, Maisonneville Township, Larder Lake Mining Division, Ontario	Assessment Report AFRI No. 42A08SE0176, 23p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A08SE0176.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/sfr/vdata/records/42A08SE0176.html</a>	1991	42A08SE0171	2.14244, W9108.00223, W9108.00259		Joutel Resources Ltd

# TECHNICAL REPORT ON THE KIRKLAND LAKE PROPERTIES FOR WARRIOR GOLD

Authors	Year	Title	Reference	Hyperlink	Work Year	AFRI	File ID	Local Number	Company
Dewey A.J.	1986	Report on the Fitter Lake Property, Project 410, Larder Lake Mining Division, Ontario	Assessment Report. AFRI No. 42A08NE0216, 25p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08NE0216.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08NE0216.html</a>	1986	42A08NE0216	2.9503		Westfield Minerals Ltd.
Dorio, P.A.	1988	Geophysics of the Blue Mountain property	Assessment Report. AFRI No. 42A08SE0151, 42p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0151.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0151.html</a>	1988	42A08SE0151	2.10906, W8808.00073, W8808.00077		Glencairn Expl Ltd, Utah Mines Ltd.
Donner, K.	1986	Diamond drill report for Queenston Mining, Maisonsville Township, Claim L797359	Donated Report. KL-1599, 16p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0040.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0040.html</a>	1986	KL1599	24, W8608.00149, 42A01NE0040, DCL KL1617	KL-1599	Queenston Gold Mines Ltd
Dyment, L.M.	1990	Report on VLF electromagnetic geophysical survey, Joutel-Canauc J.V., Goose Egg Lake property, Maisonsville Township, Larder Lake Mining Division	Assessment Report. AFRI No. 42A08SE0171, 57p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0171.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0171.html</a>	1990	42A08SE0176	2.13167, W9008.00026		Joutel-Canauc Jv
Forbes, C.P.	1990	Prospecting report on the Sesekinika Lake property, Maisonsville Township, Larder Lake Mining Division	Assessment Report. AFRI No. 42A01NE0033, 28p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0033.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0033.html</a>	1990	42A01NE0033	2.13780, W9008.00652, 42A08NE0034, 42A01NE0035		Premier Explorations Inc.
Forbes, C.P.	1985c	Report of magnetic surveys for Premier Explorations Inc. On the part of the Blue Mountain property, Bernhardt and Maisonsville townships	Assessment Report. AFRI No. 42A08SE0160, 15p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0159.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0159.html</a>	1985	42A08SE0159	2.8095, W8506.00157		Premier Explorations Inc.
Fortin, R.	1981	Helicopter geophysical survey with the REX-EM-1 system, Barnett area for Canadian Gold and Metals Inc.	Assessment Report. AFRI No. 42P06NW0021, 14p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/41P06NW0021.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/41P06NW0021.html</a>	1980	41P06NW0021	2.3656, Beulah-0015		Canadian Gold and Metals Inc.
Fraser, D.C.	1973	Dighem Survey of Melba Township are, Ontario for Here Fault Copper Limited	Assessment Report. AFRI No. 42A08SE0051, 28p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0051.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0051.html</a>	1973	42A08SE0051	2.1359		Here Fault Copper Ltd.
Gasteiger, W.A.	1975	Texas Gulf Canada Limited, report on geophysical work in Maisonsville Township, Claims L413562-413567	Assessment Report. AFRI No. 42A01NE0066, 9p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0066.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0066.html</a>	1975	42A01NE0066	2.1971		Texasgulf Canada Ltd
Germundson, R.K. and Weller W.K.	1993	Dorothy Lake geology report, Bernhardt and Morrisette townships, Larder Lake Mining Division, Ontario, NTS 42A	Assessment Report. AFRI No. 42A01NE9903, 19p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A01NE9903.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A01NE9903.html</a>	1993	42A01NE9903	2.15185, W9308.00257		A Merrick
Groves, B.	1983	Report on ground magnetometer and horizontal loop E.M. surveys, Maisonsville 1-82, Maisonsville Township, northern Ontario	Assessment Report. AFRI No. 42A01NE0051, 19p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0051.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0051.html</a>	1983	42A01NE0051	2.6646, W8408.00101		Noranda Exploration Co
Groves, B.	1985a	Report on an I.P. survey, Maisonsville 1-82, Maisonsville Township, Northeastern Ontario	Assessment Report. AFRI No. 42A01NE0042, 25p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0042.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0042.html</a>	1984	42A01NE0042	2.8937, W8608.00064		Noranda Exploration Co
Groves, B.	1985b	Report on ground magnetometer and V.L.F. surveys, Maisonsville 1-82, Maisonsville Township, northern Ontario	Assessment Report. AFRI No. 42A01NE0048, 17p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0048.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0048.html</a>	1985	42A01NE0048	2.8012, W8508.00112		Noranda Exploration Co
Hasan, Z.	1973	Summary report of exploration program carried out in Kirkland Lake area under the Exploration Assistance Agreement (Contract No. KL-14) with the Minister of Mines and Northern Affairs by Imperial Oil Enterprises Ltd.	Assessment Report. AFRI No. 20000005015, 21p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/20000005014.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/20000005014.html</a>	1973	20000005014	42A08NW8941		Imperial Oil Enterprises Ltd
Henricksen, G.N. and Hawley, J.P.	1993	Report on the 1993 ground exploration program by P.J. Hawley and G.N. Henricksen on the Trinity Explorations property, Bernhardt Township, Larder Lake Mining Division, Ontario	Assessment Report. AFRI No. 42A01NE2004, 34p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A01NE2004.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A01NE2004.html</a>	1993	42A01NE2004	0P93-391, 42A01NE9901		G.N. Henricksen, P J Hawley
Hodges, G.	1986	Geophysical report on the Maisonsville Township property on Glen Auden Resources Inc.	Assessment Report. AFRI No. 42A01NE0039, 191p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0039.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0039.html</a>	1986	42A01NE0039	2.9901		Glen Auden Resc Ltd
Houle, K.	1989	BHP-Utah Mines Ltd., diamond drilling, Blue Mountain property, Bernhardt and Maisonsville townships, January-February 1989, Larder Lake Mining Division	Assessment Report. AFRI No. 42A08SE0152, 119p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0152.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0152.html</a>	1989	42A08SE0152	12, W8908.00148		Bhp-Utah Mines Ltd, Glencairn Expl Ltd.
Keast, T.	1998	1998 CPAP final submission for the Cochinan Creek copper project, Melba Township, Larder Lake Mining Division	Assessment Report. AFRI No. 42A08SE2004, 48p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE2004.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE2004.html</a>	1998	42A08SE2004	2.19293, W9980.00184		Darrin Porritt, David R
Kiazky, J.C. and Otton, B.C.	1992	Bernhardt #1 report	Assessment Report. AFRI No. 42A01NE0008, 35p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0008.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0008.html</a>	1990	42A01NE0008	2.14402, W9208.00093, W9208.00094, 42A01NE0010		J C Kiazky
LaFlèche, G.	1971	Report on geophysical work performed on Bernhardt 1-70, Bernhardt Township, Larder Lake Mining Division, Kirkland Lake area, Ontario	Assessment Report. AFRI No. 42A01NE0023, 9p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0023.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0023.html</a>	1970	42A01NE0023	2.393		Noranda Exploration Co
LaRoque, D.G.	2010	Raven Resources Inc., MMI survey over the Melba property, Melba Township, Ontario	Assessment Report. AFRI No. 20000004744, 37p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/20000004744.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/20000004744.html</a>	2010	20000004744	2.45579, KL-6312, W1080.01721		Raven Resc Inc
LaRoque, D.G.	2011	Raven Resources Inc., MMI survey over the Melba property, Melba Township, Ontario	Assessment Report. AFRI No. 20000006797, 42p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/20000006797.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/20000006797.html</a>	2011	20000006797	4.29250, KL-6540, W1180.01832		Raven Resources Inc
Leahy, M.	1995	Prospecting report on claim 983225, Melba Township	Assessment Report. AFRI No. 42A08SE0075, 8p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0075.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0075.html</a>	1995	42A08SE0075	2.16172, W9580.00567		Melba Gold Ltd
Leahy, M.	1997	Report on magnetic, VLF electromagnetic and induced polarization surveys, Raven Resources Inc., Melba Township, Larder Lake Mining Division, Ontario	Assessment Report. AFRI No. 42A08SE0129, 25p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0129.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0129.html</a>	1996	42A08SE0129	2.17052, W9780.00049		Raven Resc Inc.
Leahy, M.	1998	Report on geological mapping, geochemical survey, induced polarization survey and diamond drilling, Melba Township property, Larder Lake Mining Division, Ontario	Assessment Report. AFRI No. 42A08SE2001, 39p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE2001.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE2001.html</a>	1997	42A08SE2001	2.18040, W9880.00016		Unknown
Leahy, M.	2006	Report on MMI geochemical sampling, Melba Township property, Larder Lake Mining Division, Ontario for Raven Resources Inc.	Assessment Report. AFRI No. 20000001417, 154p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/20000001417.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/20000001417.html</a>	2006	20000001417	2.32556, KL-5619, W0680.01248	KL-5619	Raven Resc Inc
Leahy, M.	1984a	Report on magnetic survey on Melba Group II, Melba Township, Larder Lake Mining Division, Ontario	Assessment Report. AFRI No. 42A08SE0030, 11p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0030.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0030.html</a>	1984	42A08SE0030	2.6792, W8408.00172		M Leahy
Leahy, M.	1984b	Report on magnetic and VLF electromagnetic surveys on Melba Group I, Melba Township, Larder Lake Mining Division, Ontario	Assessment Report. AFRI No. 42A08SE0032, 12p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0032.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0032.html</a>	1984	42A08SE0032	2.6793, W8408.00104		M Leahy
Leahy, M.	1990a	Report on stripping & sampling program for Nordex Explosives Ltd. On Melba Gold Ltd. Property - Dobos showing area and Raven Resources Inc. Property - Melba Creek area, Melba Twp., Larder Lake Mining Division, Ontario, Phase I	Assessment Report. AFRI No. 42A08SE0014, 56p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0014.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0014.html</a>	1990	42A08SE0014	2.13655, W9008.00316		Melba Gold Ltd, Raven
Leahy, M.	1990b	Report on diamond drilling program, Melba Township property, Larder Lake Mining Division, Ontario	Assessment Report. AFRI No. 42A08SE0023, 14p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0023.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0023.html</a>	1989	42A08SE0023	22, W9008.00044		Raven Resc Inc

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Authors	Year	Title	Reference	Hyperlink	Work Year	AFRI	File ID	Local Number	Company
LeBaron, P.S.	1983	Report on overburden sampling, Maisonneville 1-82, Maisonneville Township, Larder Lake Mining Division	Assessment Report. AFRI No. 42A01NE0054, 13p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0054.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0054.html</a>	1983	42A01NE0054	2.5498, W8308.00090		Noranda Exploration Co
LeBaron, P.S.	1985	Report on geological survey, Maisonneville 1-82, Maisonneville Township, Ontario, Larder Lake Mining Division, NTS 42-A-1	Assessment Report. AFRI No. 42A01NE0050, 11p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0050.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0050.html</a>	1984	42A01NE0050	2.7780, W8508.00049		Noranda Exploration Co
Leschishin, E.	1983	Report of work, claims L682231-682232	Donated Report, KL-0190, 10p.		1983	KL-0190		KL-0190	Leschishin, O.
Link, T.	1994	Diamond drill report B-1-94	Assessment Report. AFRI No. 42A01NE0047, 10p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0047.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0047.html</a>	1994	42A01NE0047	W9580-00069, W9580.00069		T A Link
McIlastery, J.	1942	James McDonell property	Donated Report, KL-1809, 4p.		1942	KL-1809		KL-1809	McDonell, J.
McCormack, D.	1986	Assessment work report for Bernhardt Township (claim numbers 843145-84152, 843008-843009)	Assessment Report. AFRI No. 42A08SE0153, 16p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0153.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0153.html</a>	1985	42A08SE0153	2.9188, W8608.00188		D McCormack
McGuinty, W.J.	1992	Report on combined helicopter borne magnetic, electromagnetic-VLF survey on the Maisonneville property of the Canuc project	Assessment Report. AFRI No. 42A08SE0126, 64p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0126.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0126.html</a>	1991	42A08SE0126	OM91-019		Canuc Resources Inc, Joutel Resources Ltd
Merrick, A.	1990	Trenching on Bernhardt Township Mining Claim L1049540	Assessment Report. AFRI No. 42A01NE0007, 8p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0007.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0007.html</a>	1990	42A01NE0007	63.5764, W9108.05076		A Merrick
Parker, R.T.G	1975	Diamond drill report. Here Fault Copper Limited, Melba Township	Assessment Report. AFRI No. 42A08SE0048, 13p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0048.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0048.html</a>	1975	42A08SE0048	15		Here Fault Copper Ltd
Pearson, H.A.	1965b	Diamond drill report. Boland-Ball property, Melba Township	Donated Report, KL-0245, 10p.		1965	KL-0245		KL-0245	Mdtrim Mining Co. Ltd.
Piries, I.D.	1981b	Report of exploration (1981), Rosario Option, FN 043, NTS 32-D-5, 42-A-8	Assessment Report. AFRI No. 42A08SE0450, 16p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0450.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0450.html</a>	1981	42A08SE0450	2.7403, W8408.00508		Corp Falconbridge Co
Pitcher D.H.	1980	Report on an airborne geophysical survey, Melba area, Ontario for Rosario Resources Canada Ltd.	Assessment Report. AFRI No. 32D05NW0031, 54p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/32D05NW0031.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/32D05NW0031.html</a>	1980	32D05NW0031	2.3526		Rosario Resc Canada I
Ploeger, C.J.	2007	Gold Diamet Resources Ltd., magnetometer survey over the Bernhardt targets, Bernhardt Township, Ontario	Assessment Report. AFRI No. 2000002495, 15p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/2000002495.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/2000002495.html</a>	2007	20000002495	2.36351, KL-5845, W0780.02042, 20003900	KL-5845	Gold Diamet Resc Ltd
Ploeger, C.J.	2011	Raven Resources Inc., magnetometer survey over the Melba property, Melba Township, Ontario	Assessment Report. AFRI No. 2000006968, 12p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/2000006968.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/2000006968.html</a>	2011	20000006968	2.50161, KL-6578, W1180.02657		Raven Resources Inc
Ploeger, C.J.	2008b	Gold Diamet Resources Ltd., magnetometer survey over the Bernhardt targets, Bernhardt Township, Ontario	Assessment Report. AFRI No. 2000003192, 14p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/2000003192.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/2000003192.html</a>	2008	20000003192	2.38870, KL-6004, W0880.01663	KL-6004	Gold Diamet Resc Ltd
Ploeger, C.J.	2015c	Tellurion Corporation, Magnetometer survey over the Melba property, Phase-2 Grid, Melba Township, Ontario	Assessment Report. AFRI No. 20000014559, 35p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/20000014559.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/20000014559.html</a>	2015	200000014559	2.56103, KL-7052, W1580.01465, 20000001989	KL-7052	Tellurion Corporation
Podolsky, G.	1988	Report on combined helicopter borne magnetic, electromagnetic and VLF survey, Benoit and Melba townships, Kirkland Lake area, north east Ontario	Assessment Report. AFRI No. 42A08SE0020, 60p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0020.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0020.html</a>	1987	42A08SE0020	2.10775, W8808.00004		Careores Minerals Ltd
Rapski, J.P.	1992	Magnetic and VLF-EM survey, Wewegimok project, Grenfell and Maisonneville townships, Larder Lake Mining Division	Assessment Report. AFRI No. 2000005014, 31p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/2000005014.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/2000005014.html</a>	1992	20000005015	42A08SE0125		849261 Ontario Ltd
Rattew, A.R.	1965	Report on airborne geophysical survey of the Cochenour Creek area, Ontario for Mdtrim Mining Company Limited	Assessment Report. AFRI No. 42A08NE0235, 7p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08NE0235.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08NE0235.html</a>	1965	42A08NE0235	63.1753		Mdtrim Mining Co. Ltd.
Rattew, A.R.	1965	Report on airborne geophysical survey of the Cochenour Creek area, Ontario for Mdtrim Mining Company Limited	Assessment Report. AFRI No. 42A08SE0052, 7p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0052.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0052.html</a>	1965	42A08SE0052	63.1832		Mdtrim Mining Co. Ltd.
Robinson, D.R.	1999	Assessment report, Bernhardt Township 1998. Douglas Robinson-Barry McCombe property	Assessment Report. AFRI No. 42A01NE2015, 77p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A01NE2015.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A01NE2015.html</a>	1998	42A01NE2015	2.19175, W9980.00086, 42A01NE2020, 42A01NE2021		Barry McCombe, Douglas Robinson
Rochon, D. And Rochon, R.	1990	Benoit project, Benoit Township, Larder Lake Mining Division, Ontario.	Assessment Report. AFRI No. 2000005019, 31p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/2000005019.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/2000005019.html</a>	1987	20000005019	42A08SE0505		Rochon, D. Rochon, R.
Tagliamonte, F.P.	1973	Geophysical survey report on Here Fault Copper Limited portion of Melba Township properties, Kirkland Lake area, Ontario	Assessment Report. AFRI No. 42A08SE0050, 17p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0050.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0050.html</a>	1972	42A08SE0050	63.3119		Here Fault Copper Ltd
Tagliamonte, F.P.	1974	Diamond drill report. Here Fault Copper Limited, Melba Township	Assessment Report. AFRI No. 42A08SE0055, 50p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0055.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0055.html</a>	1974	42A08SE0055	14, 42A08SE0054		Here Fault Copper Ltd
Tagliamonte, F.P.	1976	Geophysical and reconnaissance geology report	Assessment Report. AFRI No. 42A08SE9809, 12p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE9809.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE9809.html</a>	1976	42A08SE9809	2.2206		W Cooper
Tagliamonte, F.P. and Toews, F.H.	1993	Summary report on VLF-EM survey, reconnaissance prospecting and sampling, Bisley & Melba township project	Assessment Report. AFRI No. 32D05SW0055, 14p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/32D05SW0055.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/32D05SW0055.html</a>	1992	32D05SW0055	OP92-448		F Tagliamonte, F Toew
Thai, D.M.	1988	Report on the total field magnetic and VLF-electromagnetic surveys on the property of Villeneuve Resources Ltd., Benoit and Maisonneville townships, Larder Lake Mining Division, Ontario	Assessment Report. AFRI No. 42A08SE0079, 31p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0079.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0079.html</a>	1988	42A08SE0079	2.11241, W8808.00205		Villeneuve Resources Ltd
Tindle, J.L.	1989	Report on diamond drilling project, Melba Twp. Claims, Kirkland Lake district, Ontario for Regent Rock Resources Inc.	Assessment Report. AFRI No. 42A08SE0022, 26p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0022.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0022.html</a>	1989	42A08SE0022	21, W8908.00291		Regent Rock Resc Inc
Vickers, A. And Webster, B.	1992	A logistical and interpretive report on line-cutting, magnetic and IP/resistivity on the Black River reconnaissance project, M-Block property, Melba Twp., Kirkland Lake area, Northeastern Ontario	Assessment Report. AFRI No. 42A08SE9903, 44p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE9903.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE9903.html</a>	1992	42A08SE9903	2.15229, W9308.00307		Sudbury Contact Mine
Walker A.J.	1986a	Report on magnetic survey, Grid ME 4, Melba Township, Ontario, Larder Lake Mining Division, NTS 42 A 8	Assessment Report. AFRI No. 42A08SE0027, 15p.	<a href="http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0027.html">http://www.geologyontario.mdm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0027.html</a>	1985	42A08SE0027	2.9240, W8608.00298		Lac Minerals Ltd

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Authors	Year	Title	Reference	Hyperlink	Work Year	AFRI	File ID	Local Number	Company
Walker A.J.	1986b	Report on magnetic survey, Grid ME 3, Melba Township, Ontario, Larder Lake Mining Division, NTS 42 A 8	Assessment Report. AFRI No. 42A08SE0027, 17p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0026.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0026.html</a>	1986	42A08SE0026	2.9239, W8608.00297		Lac Minerals Ltd
Walker A.J.	1986c	Report on magnetic survey, Grid BE2, Bernhardt Township, Ontario, Larder Lake Mining Division, NTS 42 A 1	Assessment Report. AFRI No. 42A01NE0018, 16p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0018.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0018.html</a>	1986	42A01NE0018	2.9244, W8608.00290		Lac Minerals Ltd
Walker A.J.	1986d	Grid BE 9, Bernhardt Township, Ontario, Larder Lake Mining Division, NTS 42 A1 & 8, report on magnetic survey	Assessment Report. AFRI No. 42A08SE0156, 16p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0156.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0156.html</a>	1986	42A08SE0156	2.9245, W8608.00288		Lac Minerals Ltd
Ward, J.T.	1969	Report on Bernhardt Township option.	Assessment Report. AFRI No. 42A01NE0024, 12p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0024.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0024.html</a>	1969	42A01NE0024	63.2494		Duncan R Derry Ltd
Weidner, S.O.	1988	BHP-Utah Mines Ltd., Blue Mountain Property, Bernhardt and Maisonneville townships, Larder Lake Mining Division, summary of exploration activities summer 1988	Assessment Report. AFRI No. 42A08SE0150, 38p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0150.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0150.html</a>	1988	42A08SE0150	2.11578, W8808.00381		Bhp-Utah Mines Ltd
Weller, W.K.	1993	Dorothy Lake vertical gradient, Bernhardt and Morrisette townships, Larder Lake Mining Division, Ontario, NTS 42A	Assessment Report. AFRI No. 42A01NE9902, 18p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/afri/data/records/42A01NE9902.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/afri/data/records/42A01NE9902.html</a>	1992	42A01NE9902	2.15184, W9308.00258		A Merrick
Wells, R.C.	1980a	Geophysical report, Lacana Claim group, Maisonneville Township, Larder Lake Mining Division	Assessment Report. AFRI No. 42A01NE0058, 9p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0058.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0058.html</a>	1980	42A01NE0058	2.3537		Lacana Mining Corp
Wells, R.C.	1980b	Geophysical report, Lacana Claim group, Maisonneville Township, Larder Lake Mining Division	Assessment Report. AFRI No. 42A01NE0056, 14p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0056.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/afri/data/records/42A01NE0056.html</a>	1981	42A01NE0056	2.4319, W8108.00456, W8108.00457		Lacana Mining Corp
Whelan, J.M.	1995	Report on ground magnetic and VLF-EM surveys, Whelan properties, Bernhardt Township Claim 1187275 (UTM 572500E, 5346200N), Morrisette Township Claim 1187276 (UTM 574000E, 5346800N), Larder Lake Mining Division, Ontario	Assessment Report. AFRI No. 42A08SE0008, 25p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0008.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0008.html</a>	1995	42A08SE0008	2.15934, W9580.00177		J M Whelan
Whelan, J.M.	1994	Report on magnetic and horizontal loop electromagnetic surveys over the Goose Egg Lake property, Maisonneville Township, Ontario, NTS 42A/1 for Joutel Resources	Assessment Report. AFRI No. 42A08SE0036, 30p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0036.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0036.html</a>	1994	42A08SE0036	2.15741, W9480.00550		Joutel Resources Ltd
Winter, L.D.S.	2019a	Report on the Gradient IP Survey, Melba and Bernhardt townships, Districts of Cochrane and Timiskaming, Ontario for Jonathan Camilleri	Assessment Report. AFRI No. 20000016976, 31p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/afri/data/records/2000016976.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/afri/data/records/2000016976.html</a>	2018	20000016976	1077, 34541		Jonathan Paul Camilleri
Winter, L.D.S.	2019b	Report on the gradient IP Survey, Melba south and Bernhardt townships, Districts of Cochrane and Timiskaming, Ontario for Jonathan Camilleri	Assessment Report. AFRI No. 20000017246, 34p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/afri/data/records/2000017246.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/afri/data/records/2000017246.html</a>	2018	20000017246	1763, 40660		Jonathan Paul Camilleri
Zbindoff, G.W.	1986	Diamond drilling report on Claims L8251-8253, L3922-3924, L3845-3847, L6788, L4067-4068, L5866, L6466, L4007 & L3733 situated in the Wolf Lake area of Maisonneville Township, N.T.S. 42 A 8	Assessment Report. AFRI No. 42A08SE0182, 60p.	<a href="http://www.geologyontario.mndm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0182.html">http://www.geologyontario.mndm.gov.on.ca/mndmfiles/afri/data/records/42A08SE0182.html</a>	1986	42A08SE0182	63.4975		Granges Expl Ltd

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## 19.4 ASSESSMENT FILE REFERENCES KL CENTRAL BLOCK

Authors	Year	Title	Reference	Hyperlink	Work Year	Work	AFRI	File ID	Local Number	Company
Adomais, P.	1986	Report on the airborne geophysical survey on the property of Arnold Merrick, Arnold Township, Ontario	Assessment Report, AFRI No. 32D04NW030, 17p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW030.html">http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW030.html</a>	1986	AM, AVLF	32D04NW030	2.9790, W8708.00044		A Merrick
Balch, S.J.	2008	Report on a helicopter-borne magnetic gradiometer & VLF-EM survey	Assessment Report, AFRI No. 2000002919, 25p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/2000002919.html">http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/2000002919.html</a>	2008	AM, AVLF	2000002919	2.38039, KL-5953, W0880.00997	KL-5953	Wallbridge Mining Company Limited
Baileau, P. and Lortie, P.	1995	Geophysical surveys, property of Kennecott Canada Inc., Murdoch Creek project, Morrisette, Label, Arnold and Gauthier townships, Province of Ontario	Assessment Report, AFRI No. 32D04NW0324, 124p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0324.html">http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0324.html</a>	1994-1995	IP, M, VLF	32D04NW0324	2.16274, W9580.00650		Kalahari Rese Inc., Kennecott Canada Inc
Boucher, D. and Stubbik, W.	1985	Report on geophysical and drilling, Kirkland Lake	Assessment Report, AFRI No. 32D04NW0025, 184p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0025.html">http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0025.html</a>	1984-1985	M, Gravity, IP, Resistivity, Line cutting, O&D(5)(233.4 m), Sample core - diamonds	32D04NW0025	63.4565		Monopros Ltd
Christie, D.W., Jamieson, D.R. and Montgomery, J.K.	1995	Summary report on the 1994 diamond drilling campaign on the Victoria Creek project, 1994 OMP application submission prepared by W.A. Hubacheck Consultants Ltd. On behalf of Sudbury Contact Mines Ltd.	Assessment Report, AFRI No. 32D04NW0237, 199p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0237.html">http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0237.html</a>	1994	DD(1)(4169.5 m),	32D04NW0237	W9580-00164, W9580.00164, 32D04NW2057		Sudbury Contact Mines Ltd
Eves, D.W.	2019	Report on the Nelson Lake claims, fill sampling - grassroots prospecting	Assessment Report, AFRI No. 20000018708, 15p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/20000018708.html">http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/20000018708.html</a>	2019	Sample soil (3)-Au, Sample rock (1)-Au	20000018708	1754, 40478		Mario Francois Cloutier
Fraser, D. and Webster, B.	1994	Report on line cutting, magnetometer and VLF-EM geophysical surveys on the CTL, Lac Gauthier, Sudbury Contact and Wahanna properties, Victoria Lake grid, Gauthier Township, Kirkland Lake area, northern Ontario	Assessment Report, AFRI No. 32D04NW0247, 36p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0247.html">http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0247.html</a>	1994	Line cutting, M, VLF	32D04NW0247	2.15636, W9480.00475		Sudbury Contact Mines Ltd
Fraser, D. and Webster, B.	1995	A logistical and interpretive report on spectral I.P., resistivity surveys conducted on the Victoria Lake property, Kirkland Lake, Ontario	Assessment Report, AFRI No. 32D04NW0365, 39p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0365.html">http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0365.html</a>	1995	Line cutting, IP	32D04NW0365	2.16187, W9580.00571		A Merrick
Germundson, R.K.	1993	Geological and geophysical survey report on the Victoria Lake (North Arm) project, Arnold Township, Larder Lake Mining Division, District of Timiskaming, Ontario, NTS 32D/4	Assessment Report, AFRI No. 32D04NW9056, 24p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW9056.html">http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW9056.html</a>	1993	M, VLF, Geological mapping	32D04NW9056	2.15069, W9308.00112		A Merrick
Guindon, D.	1983a	Diamond drill report, Arnold Township, DDH A-2-82, A-3-82, A-1-83, A-2-83	Assessment Report, AFRI No. 32D04NW0038, 26p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0038.html">http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0038.html</a>	1983	DD(4)(798.58 m)	32D04NW0038	12, W8308.00210, W8308.00211, W8308.00212, W8308.00213		A Merrick
Guindon, D.	1983b	Diamond drill report, Arnold Township, DDH A-1-82	Assessment Report, AFRI No. 32D04NW0039, 9p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0039.html">http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0039.html</a>	1982	DD(1)(168.55 m)	32D04NW0039	11, W8308.00209		W Lank
Guindon, D.	1985	Diamond drill report, Arnold Township, DDH A-1-85 and A-2-85	Assessment Report, AFRI No. 32D04NW0034, 7p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0034.html">http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0034.html</a>	1985	DD(2)(165.20 m)	32D04NW0034	15, W8508.00349		A Merrick
Guindon, D.	1989a	Diamond drill report, Arnold Township, DDH A-2-89	Assessment Report, AFRI No. 32D04NW0010, 7p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0010.html">http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0010.html</a>	1989	DD(1)(182.58 m)	32D04NW0010	23, W8908.00317		A Merrick
Guindon, D.	1989b	Diamond drill report, Arnold Township DDH A-1-89	Assessment Report, AFRI No. 32D04NW0011, 6p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0011.html">http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0011.html</a>	1989	DD(1)(276.45 m)	32D04NW0011	24, W8908.00327		A Merrick
Harron, G.A.	1994	For Prince Gold Corporation by Regal Goldfields Limited, diamond drilling report, Arnold Township, Larder Lake Mining Division, Ontario	Assessment Report, AFRI No. 32D04NW0356, 35p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0356.html">http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0356.html</a>	1994	DD(3)(541.2 m),	32D04NW0356	W9580-00018, W9580.00018		Prince Gold Corp
Harron, G.A.	1995	Prince Gold Corporation, diamond drilling, report, Arnold Township, Larder Lake M.D., Ontario	Assessment Report, AFRI No. 32D04NW0227, 33p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0227.html">http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0227.html</a>	1995	DD(3)(616.0 m), Sample core - Au	32D04NW0227	W9580-00452, W9580.00452		Prince Gold Corp
Hogg, R.L.S.	1982	Report on combined helicopter-borne magnetic and electromagnetic survey, Kirkland Lake, Ontario	Assessment Report, AFRI No. 32D04NW0037, 29p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0037.html">http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0037.html</a>	1982	AEM, AM	32D04NW0037	2.5921, W8308.00326		Monopros Ltd
Horne, J.D.	1998	Report of work, 1998 diamond drill program on the Victoria Lake property, Arnold Township, Larder Lake Mining Division, Ontario, Canada	Assessment Report, AFRI No. 32D04NW2017, 38p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW2017.html">http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW2017.html</a>	1998	DD(4)(292.61 m), Sample core (29)-Au	32D04NW2017	2.19066, W9880.00781, W9880.00782		Arnold Merrick
Jamieson, D.R.	1993	Report on geological mapping for the Blake River reconnaissance project and the Moosehead Lake project	Assessment Report, AFRI No. 32D12SE2001, 620p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D12SE2001.html">http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D12SE2001.html</a>	1992-1993	Geological Mapping	32D12SE2001	0M92-098		Sudbury Contact Mines Ltd, Techtex Inc
Jamieson, D.R. and Knowles, R.	1994	Assessment report on the 1993 regional till exploration program, Moosehead claim groups	Assessment Report, AFRI No. 32D04NE0050, 96p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NE0050.html">http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NE0050.html</a>	1993-1994	O&D(23)(326 m), Geochem Till (gold grain count)	32D04NE0050	2.15394, W9480.00172		Sudbury Contact Mines Ltd
Kovala, J.	1988a	VLF-EM survey report, Grid A 17, Arnold Township, Larder Lake Mining Division, NTS 32d/5	Assessment Report, AFRI No. 32D04NW0019, 13p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0019.html">http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0019.html</a>	1988	VLF	32D04NW0019	2.11489, W8808.00259		Lac Minerals Ltd
Kozel, J.	1994	A logistical and interpretive report on IP/resistivity, total field magnetics and airborne Geotem geophysical surveys on the Crossroads property, Arnold Township, Ontario	Assessment Report, AFRI No. 32D04NW0290, 72p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0290.html">http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0290.html</a>	1994	Line cutting, IP, M, VLF	32D04NW0290	2.15653, W9480.00508		Kalahari Rese Inc
Krykwyk, K.	2006	Report on magnetometer survey, Arnold Twp., Larder Lake Mining Division	Assessment Report, AFRI No. 20000001840, 11p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/20000001840.html">http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/20000001840.html</a>	2006	M	20000001840	2.33655, KL-5719, W0680.02144	KL-5719	C14 Minerals Inc
Leahy, M.	1993	Report on sonic drilling program, Victoria Lake property, Arnold Township, Larder Lake Mining Division, Ontario	Assessment Report, AFRI No. 32D04NW0183, 20p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0183.html">http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0183.html</a>	1993	O&D(3)( m), Heavy Mineral Identification (21)	32D04NW0183	W9480-00007, W9480.00007		M Leahy
Mahood-Greer, M.	1991	Geological and geophysical survey report on the Howard Project 1 and 2, Arnold Township, Larder Lake Mining Division, District of Timiskaming, Ontario	Assessment Report, AFRI No. 32D04NW0003, 32p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0003.html">http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0003.html</a>	1991	Geological mapping, M, VLF	32D04NW0003	2.14231, W9108.05004		A Merrick
Maingot, P.	1971	Report on a geochemical survey for Upper Canada Mines Limited	Assessment Report, AFRI No. 32D04NE0101, 16p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NE0101.html">http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NE0101.html</a>	1971	Geo chem rock - Hg	32D04NE0101	2.903		Upper Canada Mines Ltd
Markov, R.A.	1980	Geophysical and geological survey of Morrisette-Label-Arnold townships, Larder Lake Mining Division	Assessment Report, AFRI No. 32D04NW0043, 93p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0043.html">http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0043.html</a>	1980	Geological mapping, M, VLF, Sample	32D04NW0043	2.3692		Rosario Rese Canada Ltd
McCormack, D.	1996	Diamond drill report, Arnold Township DDH A-196	Assessment Report, AFRI No. 32D04NW0380, 10p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0380.html">http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW0380.html</a>	1996	DD(1)(241.40 m)	32D04NW0380	W9680.00504		Arnold Merrick
McCormack, D.	1997	Diamond drill report, Arnold Township DDH A-97-1	Assessment Report, AFRI No. 32D04NW2009, 11p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW2009.html">http://www.geologyontario.mdmn.gov.n.ca/mndfiles/afri/data/records/32D04NW2009.html</a>	1997	DD(1)(222.81 m), Sample core (7)-Au	32D04NW2009	2.18580, W9880.00368		Arnold Merrick

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Authors	Year	Title	Reference	Hyperlink	Work Year	Work	AFRI	File ID	Local Number	Company
O'Connor, T.	2010	Report on sampling program, Claim # 04203474, Arnold Township	Assessment Report, AFRI No. 20000004621, 14p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/2000004621.html">http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/2000004621.html</a>	2010	Sample rock (3)-Au, Sample soil (7)-Au	20000004621	2.44958, KL-6340, W1080.01148	KL-6340	A4 Diamonds Inc
Poeger, C.J.	2011	Magnetometer and VLF EM surveys over Victoria North property, Arnold Township, Ontario	Assessment Report, AFRI No. 20000006543, 13p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/2000006543.html">http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/2000006543.html</a>	2011	M, VLF	20000006543	2.48534, KL-6492, W1180.01224		A-1 Diamonds Inc, A4 Diamonds Inc
Poeger, C.J.	2013	Magnetometer survey over the Victoria-North Arm property, Arnold Township, Ontario	Assessment Report, AFRI No. 20000008592, 13p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/2000008592.html">http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/2000008592.html</a>	2013	M	20000008592	2.54323, KL-6857, W1380.02212	KL-6857	A4 Diamonds
Poeger, C.J.	2014a	Magnetometer and VLF EM surveys over Victoria property, Arnold and Morrisette townships, Ontario	Assessment Report, AFRI No. 20000008156, 21p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/2000008156.html">http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/2000008156.html</a>	2014	M, VLF	20000008156	2.54973, KL-6913, W1480.00952	KL-6913	A4 Diamonds Inc
Poeger, C.J.	2014c	Magnetometer survey over the Victoria-North Arm property, Arnold Township, Ontario	Assessment Report, AFRI No. 20000008551, 13p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/2000008551.html">http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/2000008551.html</a>	2014	M	20000008551	2.55304, KL-6966, W1480.01842	KL-6966	A4 Diamonds Inc
Poeger, F.R.	1981	Report on the properties of Tower Gold Resources Limited in Label, Gauthier & Arnold townships, northeastern Ontario	Assessment Report, AFRI No. 32D04NW0122, 44p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NW0122.html">http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NW0122.html</a>	1981-1982	Geological Compilation	32D04NW0122	63.3991		Tower Gold Resc Ltd
Robinson, D.	2003	Report on magnetic total field survey (February 2003), Arnold property, Arnold Township, Larder Lake Mining Division, north-eastern Ontario, NTS 32D04, UTM Grid Zone 17, NAD.83	Assessment Report, AFRI No. 32D04NW2054, 99p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NW2054.html">http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NW2054.html</a>	2002-2004	LC, MAG	32D04NW2054	2.28954, W0480.01961		Kirkland Lake Minerals Inc
Robinson, D.	2004	Report on magnetic total field survey (September 2004), Arnold property, Arnold Township, Larder Lake Mining Division, north-eastern Ontario, NTS 32D04, UTM Grid Zone 17, NAD.83	Assessment Report, AFRI No. 32D04NW2050, 39p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NW2050.html">http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NW2050.html</a>	2002-2004	Line cutting, M	32D04NW2050	2.28467, W0480.01474		Kirkland Lake Minerals Inc
Saukko, R.N.	1981a	Report of geophysical survey, Arnold Township	Assessment Report, AFRI No. 32D04NW0046, 9p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NW0046.html">http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NW0046.html</a>	1981	M, VLF, Line cutting	32D04NW0046	2.3678		R N Saukko
Saukko, R.N.	1981b	Report of geophysical survey, Arnold Township	Assessment Report, AFRI No. 32D04NW0047, 9p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NW0047.html">http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NW0047.html</a>	1981	M, VLF, Line cutting	32D04NW0047	2.3679		Falconbridge Nickel Mines
Savage, W.S.	1948	St. Pierre claims, Arnold Township	Donated report, KL-2801, 5p.		1948	Property visit	KL-2801		KL-2801	St. Pierre, J.O.
Sharpley, F.J.	1995	Exploration report on magnetic and VLF-EM surveys, Howard Lake property, the Kirkland Lake area, Arnold Township, Larder Lake Mining Division, Ontario	Assessment Report, AFRI No. 32D04NW0204, 44p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NW0204.html">http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NW0204.html</a>	1995	M, VLF, Line cutting	32D04NW0204	2.15846, W9580.00040		Seal River Expl Ltd
Stone, G.A.	2015	Assessment report on prospecting and magnetometer survey on the Victoria Creek property, Arnold Township, Larder Lake Mining Division, northeastern Ontario, NTS: 32D04	Assessment Report, AFRI No. 20000008752, 32p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/20000008752.html">http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/20000008752.html</a>	2014-2015	Prospecting, M, Sample (9)-Au	20000008752	2.56044, KL-7038, W1580.01287	KL-7038	Gordon A Hume
Szeto, S.S.	1969	Report on magnetic and electromagnetic surveys, Arnold Township, Larder Lake Mining Division, Ontario	Assessment Report, AFRI No. 32D04NW0049, 9p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NW0049.html">http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NW0049.html</a>	1969	M, VLF, Line cutting	32D04NW0049	63.2462		Palco Expl Ltd
Walker, A.J.	1985	Grid A47, Arnold, Katrine, Gauthier and McVitte townships, Larder Lake Mining Division, Ontario, NTS 32D5, report on magnetic survey	Assessment Report, AFRI No. 32D04NE0046, 13p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NE0046.html">http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NE0046.html</a>	1985	M	32D04NE0046	2.8328, W8508.00274		Lac Minerals Ltd
Walker, A.J.	1986a	Grid A 20, Arnold Township, Ontario, Larder Lake Mining Division, NTS 32 D 4, report on magnetic survey	Assessment Report, AFRI No. 32D04NW0024, 15p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NW0024.html">http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NW0024.html</a>	1986	M	32D04NW0024	2.9843, W8708.00089		Lac Minerals Ltd
Walker, A.J.	1986b	Grid A 13, Arnold Township, Larder Lake Mining Division, NTS, 32 D 4, report on magnetic survey	Assessment Report, AFRI No. 32D04NW0027, 15p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NW0027.html">http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NW0027.html</a>	1986	M	32D04NW0027	2.9841, W8708.00086		Lac Minerals Ltd
Walker, A.J.	1986c	Grid A 4, Arnold Township, Larder Lake Mining Division, NTS, 32 D 4, report on magnetic survey	Assessment Report, AFRI No. 32D04NW0029, 15p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NW0029.html">http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NW0029.html</a>	1986	M	32D04NW0029	2.9838, W8708.00090		Lac Minerals Ltd
Walker, A.J.	1986d	Grid A 14, Arnold Township, Ontario, Larder Lake Mining Division, NTS 32 D 4, report on magnetic survey	Assessment Report, AFRI No. 32D04NW0031, 16p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NW0031.html">http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NW0031.html</a>	1986	M	32D04NW0031	2.9242, W8608.00287		Lac Minerals Ltd
Walker, A.J.	1987a	Grid A 17, Arnold Township, Larder Lake Mining Division, NTS 32 D 4, report on magnetic survey	Assessment Report, AFRI No. 32D04NW0026, 12p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NW0026.html">http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NW0026.html</a>	1987	M	32D04NW0026	2.9842, W8708.00088		Lac Minerals Ltd
Walsh, M.H.	1977	Overburden stripping, Arnold Township	Assessment Report, AFRI No. KL-2450, 4p.		1977	Stripping	KL-2450	#277	KL-2450	Walsh, M.H.
Webster, B.	1994	A logistical and interpretive report on IP/resistivity, total field magnetics and airborne Geotem geophysical surveys on the Arnold Township, project, Ontario	Assessment Report, AFRI No. 32D04NW0221, 103p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NW0221.html">http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NW0221.html</a>	1994	M, IP	32D04NW0221	2.15801, W9580.00011		Prince Gold Corp
Weller, W.K.	1994a	Geological and geophysical survey report on the Victoria Lake (North Arm 2) project, Arnold Township, Larder Lake Mining Division, District of Timiskaming, Ontario, NTS 32D/4	Assessment Report, AFRI No. 32D04NW0045, 27p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NW0045.html">http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NW0045.html</a>	1994	M, VLF, Line cutting, Geological mapping	32D04NW0045	2.15409, W9480.00256		A Merrick
Weller, W.K.	1994b	Geophysical survey report, Victoria Lake (North Arm 3) project, Arnold Township, Larder Lake Mining Division, District of Timiskaming, Ontario NTS 32D/4	Assessment Report, AFRI No. 32D04NW0249, 25p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NW0249.html">http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NW0249.html</a>	1994	Line cutting, M, VLF	32D04NW0249	2.15529, W9480.00395		A Merrick
Wells, R.C.	1980a	Geophysical report, James option, Arnold Township, Larder Lake Mining Division	Assessment Report, AFRI No. 32D05SW0069, 10p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D05SW0069.html">http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D05SW0069.html</a>	1980	M, VLF	32D05SW0069	2.4102		Lacama Mining Corp
Wells, R.C.	1981b	Geophysical report, James option, Arnold Township, Larder Lake Mining Division	Assessment Report, AFRI No. 32D05SW0070, 13p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D05SW0070.html">http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D05SW0070.html</a>	1980	HLEM	32D05SW0070	2.3435		D James
Whelan, J.	1988	Report on a VLF-EM survey conducted in Arnold Township	Assessment Report, AFRI No. 32D04NW0022, 17p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NW0022.html">http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NW0022.html</a>	1988	VLF	32D04NW0022	2.11229, W8808.00136		Lac Minerals Ltd
Wieduwit, W.G.	1964	Report on airborne geophysical survey on Kirkland Lake-Larder Lake area for Upper Canada Mines Limited	Assessment Report, AFRI No. 32D04NE0068, 20p.	<a href="http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NE0068.html">http://www.geologyontario.mdmn.gov.n.ca/mndnfiles/afri/data/records/32D04NE0068.html</a>	1964	AEM	32D04NE0068	2.270, W7008.19508		Upper Canada Mines Ltd

## **20.0 CERTIFICATE**

### **CERTIFICATE OF QUALIFIED PERSON**

**MICHAEL KILBOURNE, P.GEO.**

I, Michael Kilbourne, P.Geo., of 20 Park View Avenue, Oro Station, Ontario, LoL 2Eo, do hereby certify that:

- 1) I am an independent consulting geologist.
- 2) This certificate applies to the technical report titled “NI43-101 Independent Technical Report on the Kirkland Lake Properties for Warrior Gold Inc., Kirkland Lake, Ontario”, (the “Technical Report”) with an effective date April 15, 2022.
- 3) I graduated with a degree of Bachelor of Science Honours, Geology from the University of Western Ontario in 1985.
- 4) I am a Professional Geoscientist (P.Geo.) registered with the Professional Geoscientists of Ontario (PGO No. 1591) am registered with the Ordres des Geologues du Quebec (OGQ, restrictive license No. 1971) am registered with the Northwest Territories and Nunavut Association of Professional Engineers and Geoscientists (NAPEG No. L4959) and am a member of the Prospectors and Developers Association of Canada
- 5) I have over 40 years of experience in the exploration and mining industry with various junior exploration and mining companies throughout North America. I have supervised and managed over 150,000 meters of diamond drilling, with over 85% of that drilling performed for gold exploration in the Abitibi Subprovince throughout Ontario and Quebec. I was a production geologist at the Pamour Gold Mine in Timmins from 1991 to 1996 gaining invaluable experience in underground narrow vein, underground bulk and open pit gold mining. I have managed and been involved in various geological exploration programs for precious and base metals throughout Archean-aged environments since 1980. I have held former executive positions with publicly traded junior resource companies.
- 6) I have read the definition of “Qualified Person” set out in NI 43-101 and Form 43-101F1 and certify that by reason of my education, affiliation with a professional association (as defined in Regulation 43-101) and past relevant work experience, I fulfil the requirements to be a “Qualified Person” for the purposes of Regulation 43-101.

- 7) I have read NI 43-101 and Form 43-101F1 and I am responsible for authoring Sections 1-20 of the Technical Report, which has been prepared in compliance with NI 43-101 and Form 43-101F1.
- 8) I supervised the drilling program in the fall of 2021 for Warrior Gold.
- 9) I am independent based on Section 1.5 of NI 43-101.
- 10) As of the effective date of the Technical Report, to the best of my knowledge, information and belief, the Technical Report contains all scientific and technical information that is required to be disclosed to make the Technical Report not misleading.
- 11) I, Michael Kilbourne, do hereby consent to the public filing of the technical report entitled “NI43-101 Independent Technical Report on the Kirkland Lake Properties for Warrior Gold Corp., Kirkland Lake, Ontario” with an effective date April 15, 2022 (the “Technical Report”) by Warrior Gold Inc. (the “Issuer”), with the TSX Venture Exchange under its applicable policies and forms based on a news release by the Issuer dated March 31, 2022 to be entered into by the Issuer and I acknowledge that the Technical Report will become part of the Issuer’s public record.

Dated at Oro Station, Ontario this 15<sup>th</sup> day of April 2022.

*{SIGNED and SEALED}*

*[Michael Kilbourne]*

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Michael Kilbourne, P.Geo. (PGO # 1591)

# TECHNICAL REPORT ON THE KIRKLAND LAKE PROPERTIES FOR WARRIOR GOLD

## APPENDIX I

### Mining Tenure for Goodfish-Kirana Block

Note: An assessment report has been filed for these claims which will render them in good standing at the time of writing this report.

Project	Tenure Number	Mining Right Type	Surface Rights	Mineral Rights	Status	Area (ha)	Total Reserves	Assessment Assigned	Balance Available	Holder	PIN	Parcel
Warrior	PAT-18361	Patent	No	Yes	Active	16.471	\$ 3,001	\$ 50,000	\$ 3,001	CHAMPAGNE RESOURCES LIMITED (411543) - 100%	61219-0055(LT)	1570TIM
Warrior	PAT-18362	Patent	No	Yes	Active	18.070	\$ 2,444	\$ 50,000	\$ 2,444	CHAMPAGNE RESOURCES LIMITED (411543) - 100%	61220-0205(LT)	692CST
Warrior	PAT-18363	Patent	No	Yes	Active	16.673	\$ 495,341	\$ 50,000	\$ 50,000	CHAMPAGNE RESOURCES LIMITED (411543) - 100%	61220-0195(LT)	2491TIM
Warrior	PAT-18364	Patent	No	Yes	Active	9.834	\$ 792	\$ 50,000	\$ 792	CHAMPAGNE RESOURCES LIMITED (411543) - 100%	61220-0203(LT)	3048TIM
Warrior	PAT-18365	Patent	No	Yes	Active	23.027	\$ 5,945	\$ 50,000	\$ 5,945	CHAMPAGNE RESOURCES LIMITED (411543) - 100%	61220-0193(LT)	2489TIM
Warrior	PAT-18366	Patent	No	Yes	Active	12.343	\$ 5,459	\$ 50,000	\$ 5,459	CHAMPAGNE RESOURCES LIMITED (411543) - 100%	61220-0192(LT)	2475TIM
Warrior	PAT-18367	Patent	No	Yes	Active	6.394	\$ 7,757	\$ 50,000	\$ 7,757	CHAMPAGNE RESOURCES LIMITED (411543) - 100%	61220-0194(LT)	2490TIM
Warrior	PAT-18368	Patent	No	Yes	Active	17.887	\$ 77,967	\$ 50,000	\$ 50,000	CHAMPAGNE RESOURCES LIMITED (411543) - 100%	61220-0202(LT)	2705TIM
Warrior	PAT-18369	Patent	No	Yes	Active	21.651	\$ 7,089	\$ 50,000	\$ 7,089	CHAMPAGNE RESOURCES LIMITED (411543) - 100%	61220-0053(LT)	2645TIM
Warrior	PAT-18370	Patent	No	Yes	Active	14.933	\$ 7,336	\$ 50,000	\$ 7,336	CHAMPAGNE RESOURCES LIMITED (411543) - 100%	61220-0201(LT)	2666TIM
Warrior	PAT-18371	Patent	No	Yes	Active	4.897	\$ 5,151	\$ 50,000	\$ 5,151	CHAMPAGNE RESOURCES LIMITED (411543) - 100%	61220-0200(LT)	2665TIM
Warrior	PAT-18372	Patent	No	Yes	Active	16.997	\$ 6,975	\$ 50,000	\$ 6,975	CHAMPAGNE RESOURCES LIMITED (411543) - 100%	61220-0198(LT)	2659TIM
Warrior	PAT-18373	Patent	No	Yes	Active	17.240	\$ 4,365	\$ 50,000	\$ 4,365	CHAMPAGNE RESOURCES LIMITED (411543) - 100%	61220-0196(LT)	2593TIM
Warrior	PAT-18374	Patent	No	Yes	Active	16.916	\$ 3,048	\$ 50,000	\$ 3,048	CHAMPAGNE RESOURCES LIMITED (411543) - 100%	61220-0197(LT)	2594TIM
Warrior	PAT-18375	Patent	No	Yes	Active	16.794	\$ 4,517	\$ 50,000	\$ 4,517	CHAMPAGNE RESOURCES LIMITED (411543) - 100%	61220-0063(LT)	2669TIM
Warrior	PAT-18376	Patent	No	Yes	Active	14.892	\$ 5,094	\$ 50,000	\$ 5,094	CHAMPAGNE RESOURCES LIMITED (411543) - 100%	61220-0199(LT)	2661TIM
Warrior	PAT-19287	Patent	No	Yes	Active	10.927	\$ 540,329	\$ 50,000	\$ 50,000	CHAMPAGNE RESOURCES LIMITED (411543) - 100%	61228-2132(LT)	
Warrior	PAT-19288	Patent	No	Yes	Active	10.846	\$ 253,066	\$ 50,000	\$ 50,000	CHAMPAGNE RESOURCES LIMITED (411543) - 100%	61228-2130(LT)	
Warrior	PAT-19871	Patent	No	Yes	Active	12.950	\$ 110,782	\$ 50,000	\$ 50,000	CHAMPAGNE RESOURCES LIMITED (411543) - 100%	61220-0066(LT)	2657TIM
Warrior	PAT-19872	Patent	No	Yes	Active	6.070	\$ 2,084	\$ 50,000	\$ 2,084	CHAMPAGNE RESOURCES LIMITED (411543) - 100%	61220-0183(LT)	2658TIM
Warrior	PAT-40223	Patent	No	Yes	Active	15.661	\$ 6,177	\$ 50,000	\$ 6,177	CHAMPAGNE RESOURCES LIMITED (411543) - 100%	61227-0021(LT)	9370CST
Warrior	PAT-40224	Patent	No	Yes	Active	15.783	\$ 5,910	\$ 50,000	\$ 5,910	CHAMPAGNE RESOURCES LIMITED (411543) - 100%	61227-0021(LT)	9370CST
Warrior	PAT-40225	Patent	No	Yes	Active	14.002	\$ 8,235	\$ 50,000	\$ 8,235	CHAMPAGNE RESOURCES LIMITED (411543) - 100%	61227-0021(LT)	9370CST
Warrior	PAT-40258	Patent	Yes	Yes	Active	11.776	\$ 3,052	\$ 50,000	\$ 3,052	CHAMPAGNE RESOURCES LIMITED (411543) - 100%	61228-0461(LT)	9369CST
Warrior	PAT-40266	Patent	Yes	Yes	Active	17.037	\$ 2,236	\$ 50,000	\$ 2,236	CHAMPAGNE RESOURCES LIMITED (411543) - 100%	61228-0461(LT)	9369CST
Warrior	PAT-40267	Patent	Yes	Yes	Active	15.823	\$ 5,338	\$ 50,000	\$ 5,338	CHAMPAGNE RESOURCES LIMITED (411543) - 100%	61228-0461(LT)	9369CST
Warrior	PAT-40268	Patent	Yes	Yes	Active	17.644	\$ 69,267	\$ 50,000	\$ 50,000	CHAMPAGNE RESOURCES LIMITED (411543) - 100%	61228-0461(LT)	9369CST
Warrior	PAT-40269	Patent	No	Yes	Active	14.164	\$ 1,296	\$ 50,000	\$ 1,296	CHAMPAGNE RESOURCES LIMITED (411543) - 100%	61228-0474(LT)	10203CST
Warrior	PAT-45117	Patent	No	Yes	Active	0.546	\$ 155	\$ 50,000	\$ 155	CHAMPAGNE RESOURCES LIMITED (411543) - 100%	61219-0057(LT)	692CST

# TECHNICAL REPORT ON THE KIRKLAND LAKE PROPERTIES FOR WARRIOR GOLD

Tenure ID	Project	Cell ID(s)	Tenure Type	Tenure Status	Anniversary Date	Due Date	Optimum Work Report Submission Date	Holder	Area (ha)	Township/Area
276938	Goodfish-Kirana	32D04L247	BCMC	Active	3/1/2022	3/1/2022	10/1/2021	(100) CHAMPAGNE RESOURCES LIMITED	20.22	MORRISETTE
161793	Goodfish-Kirana	32D04L248	BCMC	Active	3/20/2022	3/20/2022	10/20/2021	(100) CHAMPAGNE RESOURCES LIMITED	17.27	MORRISETTE
187322	Goodfish-Kirana	32D04L269	SCMC	Active	3/20/2022	3/20/2022	10/20/2021	(100) CHAMPAGNE RESOURCES LIMITED	14.63	MORRISETTE
138506	Goodfish-Kirana	42A011316	SCMC	Active	4/4/2022	4/4/2022	11/4/2021	(100) CHAMPAGNE RESOURCES LIMITED	2.71	TECK
276633	Goodfish-Kirana	42A011317	SCMC	Active	4/4/2022	4/4/2022	11/4/2021	(100) CHAMPAGNE RESOURCES LIMITED	0.26	TECK
547762	Goodfish-Kirana	32D04L230	SCMC	Active	4/7/2022	4/7/2022	11/7/2021	(100) CHAMPAGNE RESOURCES LIMITED	21.52	MORRISETTE
547763	Goodfish-Kirana	32D04L229	SCMC	Active	4/7/2022	4/7/2022	11/7/2021	(100) CHAMPAGNE RESOURCES LIMITED	21.52	MORRISETTE
547764	Goodfish-Kirana	32D04L231	SCMC	Active	4/7/2022	4/7/2022	11/7/2021	(100) CHAMPAGNE RESOURCES LIMITED	21.52	MORRISETTE
238360	Goodfish-Kirana	42A011254	SCMC	Active	4/10/2022	4/10/2022	11/10/2021	(100) CHAMPAGNE RESOURCES LIMITED	20.25	BERNHARDT
305629	Goodfish-Kirana	42A011294	BCMC	Active	4/10/2022	4/10/2022	11/10/2021	(100) CHAMPAGNE RESOURCES LIMITED	15.53	BERNHARDT,TECK
344414	Goodfish-Kirana	42A011274	SCMC	Active	4/10/2022	4/10/2022	11/10/2021	(100) CHAMPAGNE RESOURCES LIMITED	21.53	BERNHARDT
500765	Goodfish-Kirana	42A011174	SCMC	Active	4/10/2022	4/10/2022	11/10/2021	(100) CHAMPAGNE RESOURCES LIMITED	2.96	BERNHARDT
500766	Goodfish-Kirana	42A011192	SCMC	Active	4/10/2022	4/10/2022	11/10/2021	(100) CHAMPAGNE RESOURCES LIMITED	21.52	BERNHARDT
500767	Goodfish-Kirana	42A011173	SCMC	Active	4/10/2022	4/10/2022	11/10/2021	(100) CHAMPAGNE RESOURCES LIMITED	12.64	BERNHARDT
500768	Goodfish-Kirana	42A011150	SCMC	Active	4/10/2022	4/10/2022	11/10/2021	(100) CHAMPAGNE RESOURCES LIMITED	20.53	BERNHARDT
500769	Goodfish-Kirana	42A011190	SCMC	Active	4/10/2022	4/10/2022	11/10/2021	(100) CHAMPAGNE RESOURCES LIMITED	21.52	BERNHARDT
500770	Goodfish-Kirana	42A011170	SCMC	Active	4/10/2022	4/10/2022	11/10/2021	(100) CHAMPAGNE RESOURCES LIMITED	21.52	BERNHARDT
500771	Goodfish-Kirana	42A011152	SCMC	Active	4/10/2022	4/10/2022	11/10/2021	(100) CHAMPAGNE RESOURCES LIMITED	12.48	BERNHARDT
500772	Goodfish-Kirana	42A011153	SCMC	Active	4/10/2022	4/10/2022	11/10/2021	(100) CHAMPAGNE RESOURCES LIMITED	21.52	BERNHARDT
500773	Goodfish-Kirana	42A011151	SCMC	Active	4/10/2022	4/10/2022	11/10/2021	(100) CHAMPAGNE RESOURCES LIMITED	5.59	BERNHARDT
500774	Goodfish-Kirana	42A011172	SCMC	Active	4/10/2022	4/10/2022	11/10/2021	(100) CHAMPAGNE RESOURCES LIMITED	21.52	BERNHARDT
500775	Goodfish-Kirana	42A011193	SCMC	Active	4/10/2022	4/10/2022	11/10/2021	(100) CHAMPAGNE RESOURCES LIMITED	2.57	BERNHARDT
500776	Goodfish-Kirana	42A011191	SCMC	Active	4/10/2022	4/10/2022	11/10/2021	(100) CHAMPAGNE RESOURCES LIMITED	21.52	BERNHARDT
500777	Goodfish-Kirana	42A011171	SCMC	Active	4/10/2022	4/10/2022	11/10/2021	(100) CHAMPAGNE RESOURCES LIMITED	21.52	BERNHARDT
119258	Goodfish-Kirana	42A011238	SCMC	Active	4/16/2022	4/16/2022	11/16/2021	(100) CHAMPAGNE RESOURCES LIMITED	1.65	BERNHARDT,MORRISETTE
119259	Goodfish-Kirana	42A011258	SCMC	Active	4/16/2022	4/16/2022	11/16/2021	(100) CHAMPAGNE RESOURCES LIMITED	9.39	BERNHARDT,MORRISETTE
135138	Goodfish-Kirana	32D04L349	BCMC	Active	4/18/2022	4/18/2022	11/18/2021	(100) CHAMPAGNE RESOURCES LIMITED	0.79	LEBEL
158341	Goodfish-Kirana	32D04L350	BCMC	Active	4/18/2022	4/18/2022	11/18/2021	(100) CHAMPAGNE RESOURCES LIMITED	1.71	LEBEL
183902	Goodfish-Kirana	32D04L330	BCMC	Active	4/18/2022	4/18/2022	11/18/2021	(100) CHAMPAGNE RESOURCES LIMITED	19.80	LEBEL
339366	Goodfish-Kirana	32D04L310	BCMC	Active	4/18/2022	4/18/2022	11/18/2021	(100) CHAMPAGNE RESOURCES LIMITED	10.19	LEBEL
103423	Goodfish-Kirana	42A011218	SCMC	Active	4/25/2022	4/25/2022	11/25/2021	(100) CHAMPAGNE RESOURCES LIMITED	2.31	BERNHARDT,MORRISETTE
149868	Goodfish-Kirana	42A011219	SCMC	Active	4/25/2022	4/25/2022	11/25/2021	(100) CHAMPAGNE RESOURCES LIMITED	0.34	MORRISETTE
260451	Goodfish-Kirana	42A011199	SCMC	Active	4/25/2022	4/25/2022	11/25/2021	(100) CHAMPAGNE RESOURCES LIMITED	6.93	MORRISETTE
110137	Goodfish-Kirana	42A011280	SCMC	Active	5/1/2022	5/1/2022	12/1/2021	(100) CHAMPAGNE RESOURCES LIMITED	3.24	MORRISETTE
134338	Goodfish-Kirana	32D04L243	SCMC	Active	5/1/2022	5/1/2022	12/1/2021	(100) CHAMPAGNE RESOURCES LIMITED	21.53	MORRISETTE
175756	Goodfish-Kirana	32D04L281	BCMC	Active	5/1/2022	5/1/2022	12/1/2021	(100) CHAMPAGNE RESOURCES LIMITED	18.87	LEBEL,MORRISETTE
185089	Goodfish-Kirana	32D04L262	SCMC	Active	5/1/2022	5/1/2022	12/1/2021	(100) CHAMPAGNE RESOURCES LIMITED	21.53	MORRISETTE
232474	Goodfish-Kirana	32D04L284	BCMC	Active	5/1/2022	5/1/2022	12/1/2021	(100) CHAMPAGNE RESOURCES LIMITED	16.21	LEBEL,MORRISETTE
243821	Goodfish-Kirana	32D04L261	SCMC	Active	5/1/2022	5/1/2022	12/1/2021	(100) CHAMPAGNE RESOURCES LIMITED	18.07	MORRISETTE
243822	Goodfish-Kirana	32D04L283	BCMC	Active	5/1/2022	5/1/2022	12/1/2021	(100) CHAMPAGNE RESOURCES LIMITED	17.81	LEBEL,MORRISETTE
246234	Goodfish-Kirana	32D04L242	SCMC	Active	5/1/2022	5/1/2022	12/1/2021	(100) CHAMPAGNE RESOURCES LIMITED	21.53	MORRISETTE
299138	Goodfish-Kirana	32D04L264	SCMC	Active	5/1/2022	5/1/2022	12/1/2021	(100) CHAMPAGNE RESOURCES LIMITED	21.53	MORRISETTE
337909	Goodfish-Kirana	32D04L282	SCMC	Active	5/1/2022	5/1/2022	12/1/2021	(100) CHAMPAGNE RESOURCES LIMITED	21.53	LEBEL,MORRISETTE
341151	Goodfish-Kirana	32D04L241	SCMC	Active	5/1/2022	5/1/2022	12/1/2021	(100) CHAMPAGNE RESOURCES LIMITED	15.79	MORRISETTE
341761	Goodfish-Kirana	32D04L263	SCMC	Active	5/1/2022	5/1/2022	12/1/2021	(100) CHAMPAGNE RESOURCES LIMITED	21.53	MORRISETTE
159094	Goodfish-Kirana	42A011296	SCMC	Active	6/4/2022	6/4/2022	1/4/2022	(100) CHAMPAGNE RESOURCES LIMITED	17.02	BERNHARDT,TECK
245185	Goodfish-Kirana	42A011295	BCMC	Active	6/4/2022	6/4/2022	1/4/2022	(100) CHAMPAGNE RESOURCES LIMITED	15.71	BERNHARDT,TECK
246305	Goodfish-Kirana	42A011300	BCMC	Active	6/7/2022	6/7/2022	1/7/2022	(100) CHAMPAGNE RESOURCES LIMITED	13.94	LEBEL,MORRISETTE
286136	Goodfish-Kirana	42A011320	BCMC	Active	6/7/2022	6/7/2022	1/7/2022	(100) CHAMPAGNE RESOURCES LIMITED	4.98	LEBEL
286137	Goodfish-Kirana	42A011319	BCMC	Active	6/7/2022	6/7/2022	1/7/2022	(100) CHAMPAGNE RESOURCES LIMITED	0.71	LEBEL
130997	Goodfish-Kirana	32D04L225	SCMC	Active	6/20/2022	6/20/2022	1/20/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.52	MORRISETTE
156376	Goodfish-Kirana	32D04L246	BCMC	Active	6/20/2022	6/20/2022	1/20/2022	(100) CHAMPAGNE RESOURCES LIMITED	17.56	MORRISETTE
246603	Goodfish-Kirana	32D04L266	SCMC	Active	6/20/2022	6/20/2022	1/20/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	MORRISETTE
279468	Goodfish-Kirana	32D04L226	BCMC	Active	6/20/2022	6/20/2022	1/20/2022	(100) CHAMPAGNE RESOURCES LIMITED	0.79	MORRISETTE
118725	Goodfish-Kirana	32D04L250	SCMC	Active	6/27/2022	6/27/2022	1/27/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	MORRISETTE
273932	Goodfish-Kirana	32D04L251	SCMC	Active	6/27/2022	6/27/2022	1/27/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	MORRISETTE
310531	Goodfish-Kirana	32D04L252	BCMC	Active	6/27/2022	6/27/2022	1/27/2022	(100) CHAMPAGNE RESOURCES LIMITED	1.72	MORRISETTE
341455	Goodfish-Kirana	32D04L249	SCMC	Active	6/27/2022	6/27/2022	1/27/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.35	MORRISETTE
273437	Goodfish-Kirana	32D04L301	BCMC	Active	7/15/2022	7/15/2022	2/15/2022	(100) CHAMPAGNE RESOURCES LIMITED	5.56	LEBEL
119880	Goodfish-Kirana	42A011198	SCMC	Active	7/24/2022	7/24/2022	2/24/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.52	BERNHARDT,MORRISETTE
191492	Goodfish-Kirana	42A011177	SCMC	Active	7/24/2022	7/24/2022	2/24/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.52	BERNHARDT
240188	Goodfish-Kirana	42A011175	SCMC	Active	7/24/2022	7/24/2022	2/24/2022	(100) CHAMPAGNE RESOURCES LIMITED	12.78	BERNHARDT
246902	Goodfish-Kirana	42A011195	SCMC	Active	7/24/2022	7/24/2022	2/24/2022	(100) CHAMPAGNE RESOURCES LIMITED	10.60	BERNHARDT
319168	Goodfish-Kirana	42A011178	SCMC	Active	7/24/2022	7/24/2022	2/24/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.52	BERNHARDT,MORRISETTE
335114	Goodfish-Kirana	42A011176	SCMC	Active	7/24/2022	7/24/2022	2/24/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.52	BERNHARDT
141002	Goodfish-Kirana	42A011279	SCMC	Active	8/3/2022	8/3/2022	3/3/2022	(100) CHAMPAGNE RESOURCES LIMITED	5.36	MORRISETTE
195905	Goodfish-Kirana	42A011298	SCMC	Active	8/3/2022	8/3/2022	3/3/2022	(100) CHAMPAGNE RESOURCES LIMITED	17.03	BERNHARDT,LEBEL,MORRISETTE,TECK
262604	Goodfish-Kirana	42A011297	SCMC	Active	8/3/2022	8/3/2022	3/3/2022	(100) CHAMPAGNE RESOURCES LIMITED	17.84	BERNHARDT,TECK
327718	Goodfish-Kirana	42A011278	SCMC	Active	8/3/2022	8/3/2022	3/3/2022	(100) CHAMPAGNE RESOURCES LIMITED	18.65	BERNHARDT,MORRISETTE
111809	Goodfish-Kirana	42A011214	SCMC	Active	8/8/2022	8/8/2022	3/8/2022	(100) CHAMPAGNE RESOURCES LIMITED	4.99	BERNHARDT
111810	Goodfish-Kirana	42A011272	SCMC	Active	8/8/2022	8/8/2022	3/8/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	BERNHARDT
143126	Goodfish-Kirana	42A011253	SCMC	Active	8/8/2022	8/8/2022	3/8/2022	(100) CHAMPAGNE RESOURCES LIMITED	20.88	BERNHARDT
148414	Goodfish-Kirana	42A011232	SCMC	Active	8/8/2022	8/8/2022	3/8/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.52	BERNHARDT
148415	Goodfish-Kirana	42A011270	SCMC	Active	8/8/2022	8/8/2022	3/8/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	BERNHARDT

# TECHNICAL REPORT ON THE KIRKLAND LAKE PROPERTIES FOR WARRIOR GOLD

Tenure ID	Project	Cell ID(s)	Tenure Type	Tenure Status	Anniversary Date	Due Date	Optimum Work Report Submission Date	Holder	Area (ha)	Township/Area
175674	Goodfish-Kirana	42A011251	SCMC	Active	8/8/2022	8/8/2022	3/8/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	BERNHARDT
184496	Goodfish-Kirana	42A011213	SCMC	Active	8/8/2022	8/8/2022	3/8/2022	(100) CHAMPAGNE RESOURCES LIMITED	19.81	BERNHARDT
184497	Goodfish-Kirana	42A011211	SCMC	Active	8/8/2022	8/8/2022	3/8/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.52	BERNHARDT
196535	Goodfish-Kirana	42A011210	SCMC	Active	8/8/2022	8/8/2022	3/8/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.52	BERNHARDT
196536	Goodfish-Kirana	42A011252	SCMC	Active	8/8/2022	8/8/2022	3/8/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	BERNHARDT
196537	Goodfish-Kirana	42A011250	SCMC	Active	8/8/2022	8/8/2022	3/8/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	BERNHARDT
257060	Goodfish-Kirana	42A011273	SCMC	Active	8/8/2022	8/8/2022	3/8/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	BERNHARDT
264506	Goodfish-Kirana	42A011290	SCMC	Active	8/8/2022	8/8/2022	3/8/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	BERNHARDT,TECK
269995	Goodfish-Kirana	42A011233	SCMC	Active	8/8/2022	8/8/2022	3/8/2022	(100) CHAMPAGNE RESOURCES LIMITED	17.79	BERNHARDT
269996	Goodfish-Kirana	42A011271	SCMC	Active	8/8/2022	8/8/2022	3/8/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	BERNHARDT
300430	Goodfish-Kirana	42A011230	SCMC	Active	8/8/2022	8/8/2022	3/8/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.52	BERNHARDT
317756	Goodfish-Kirana	42A011231	SCMC	Active	8/8/2022	8/8/2022	3/8/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.52	BERNHARDT
330460	Goodfish-Kirana	42A011212	SCMC	Active	8/8/2022	8/8/2022	3/8/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.52	BERNHARDT
330461	Goodfish-Kirana	42A011234	SCMC	Active	8/8/2022	8/8/2022	3/8/2022	(100) CHAMPAGNE RESOURCES LIMITED	1.44	BERNHARDT
236483	Goodfish-Kirana	42A011293	BCMC	Active	8/9/2022	8/9/2022	3/9/2022	(100) CHAMPAGNE RESOURCES LIMITED	11.93	BERNHARDT,TECK
111075	Goodfish-Kirana	32D04L289	SCMC	Active	8/10/2022	8/10/2022	3/10/2022	(100) CHAMPAGNE RESOURCES LIMITED	17.98	LEBEL,MORRISETTE
111076	Goodfish-Kirana	32D04L308	SCMC	Active	8/10/2022	8/10/2022	3/10/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	LEBEL
130455	Goodfish-Kirana	32D04L328	SCMC	Active	8/10/2022	8/10/2022	3/10/2022	(100) CHAMPAGNE RESOURCES LIMITED	13.62	LEBEL
142414	Goodfish-Kirana	32D04L286	SCMC	Active	8/10/2022	8/10/2022	3/10/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	LEBEL,MORRISETTE
160615	Goodfish-Kirana	32D04L305	BCMC	Active	8/10/2022	8/10/2022	3/10/2022	(100) CHAMPAGNE RESOURCES LIMITED	19.14	LEBEL
194630	Goodfish-Kirana	32D04L307	SCMC	Active	8/10/2022	8/10/2022	3/10/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	LEBEL
213130	Goodfish-Kirana	32D04L306	SCMC	Active	8/10/2022	8/10/2022	3/10/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	LEBEL
213131	Goodfish-Kirana	32D04L325	BCMC	Active	8/10/2022	8/10/2022	3/10/2022	(100) CHAMPAGNE RESOURCES LIMITED	7.67	LEBEL
241212	Goodfish-Kirana	32D04L288	SCMC	Active	8/10/2022	8/10/2022	3/10/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	LEBEL,MORRISETTE
241794	Goodfish-Kirana	32D04L327	SCMC	Active	8/10/2022	8/10/2022	3/10/2022	(100) CHAMPAGNE RESOURCES LIMITED	11.75	LEBEL
261829	Goodfish-Kirana	32D04L309	SCMC	Active	8/10/2022	8/10/2022	3/10/2022	(100) CHAMPAGNE RESOURCES LIMITED	13.03	LEBEL
315827	Goodfish-Kirana	32D04L329	SCMC	Active	8/10/2022	8/10/2022	3/10/2022	(100) CHAMPAGNE RESOURCES LIMITED	16.34	LEBEL
336715	Goodfish-Kirana	32D04L287	SCMC	Active	8/10/2022	8/10/2022	3/10/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	LEBEL,MORRISETTE
337258	Goodfish-Kirana	32D04L326	BCMC	Active	8/10/2022	8/10/2022	3/10/2022	(100) CHAMPAGNE RESOURCES LIMITED	7.41	LEBEL
198818	Goodfish-Kirana	32D04L303	BCMC	Active	8/11/2022	8/11/2022	3/11/2022	(100) CHAMPAGNE RESOURCES LIMITED	3.85	LEBEL
319917	Goodfish-Kirana	32D04L302	BCMC	Active	8/11/2022	8/11/2022	3/11/2022	(100) CHAMPAGNE RESOURCES LIMITED	13.71	LEBEL
119260	Goodfish-Kirana	42A011277	SCMC	Active	8/12/2022	8/12/2022	3/12/2022	(100) CHAMPAGNE RESOURCES LIMITED	20.64	BERNHARDT
119263	Goodfish-Kirana	42A011276	SCMC	Active	8/12/2022	8/12/2022	3/12/2022	(100) CHAMPAGNE RESOURCES LIMITED	12.94	BERNHARDT
127474	Goodfish-Kirana	42A011255	SCMC	Active	8/12/2022	8/12/2022	3/12/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	BERNHARDT
269680	Goodfish-Kirana	42A011257	SCMC	Active	8/12/2022	8/12/2022	3/12/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	BERNHARDT
269683	Goodfish-Kirana	42A011275	SCMC	Active	8/12/2022	8/12/2022	3/12/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	BERNHARDT
314234	Goodfish-Kirana	42A011256	SCMC	Active	8/12/2022	8/12/2022	3/12/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	BERNHARDT
132491	Goodfish-Kirana	42A011331	BCMC	Active	8/16/2022	8/16/2022	3/16/2022	(100) CHAMPAGNE RESOURCES LIMITED	5.68	TECK
149082	Goodfish-Kirana	42A011311	SCMC	Active	8/16/2022	8/16/2022	3/16/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	TECK
152073	Goodfish-Kirana	42A011332	BCMC	Active	8/16/2022	8/16/2022	3/16/2022	(100) CHAMPAGNE RESOURCES LIMITED	5.94	TECK
185174	Goodfish-Kirana	42A011314	BCMC	Active	8/16/2022	8/16/2022	3/16/2022	(100) CHAMPAGNE RESOURCES LIMITED	0.24	TECK
197238	Goodfish-Kirana	42A011292	SCMC	Active	8/16/2022	8/16/2022	3/16/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	BERNHARDT,TECK
197239	Goodfish-Kirana	42A011312	SCMC	Active	8/16/2022	8/16/2022	3/16/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	TECK
204681	Goodfish-Kirana	42A011313	BCMC	Active	8/16/2022	8/16/2022	3/16/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.20	TECK
204682	Goodfish-Kirana	42A011330	BCMC	Active	8/16/2022	8/16/2022	3/16/2022	(100) CHAMPAGNE RESOURCES LIMITED	3.97	TECK
252425	Goodfish-Kirana	42A011333	BCMC	Active	8/16/2022	8/16/2022	3/16/2022	(100) CHAMPAGNE RESOURCES LIMITED	6.21	TECK
293573	Goodfish-Kirana	42A011293	BCMC	Active	8/16/2022	8/16/2022	3/16/2022	(100) CHAMPAGNE RESOURCES LIMITED	9.15	BERNHARDT,TECK
301088	Goodfish-Kirana	42A011291	SCMC	Active	8/16/2022	8/16/2022	3/16/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	BERNHARDT,TECK
301089	Goodfish-Kirana	42A011334	BCMC	Active	8/16/2022	8/16/2022	3/16/2022	(100) CHAMPAGNE RESOURCES LIMITED	0.41	TECK
337997	Goodfish-Kirana	42A011310	SCMC	Active	8/16/2022	8/16/2022	3/16/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	TECK
191501	Goodfish-Kirana	42A011235	SCMC	Active	9/27/2022	9/27/2022	4/27/2022	(100) CHAMPAGNE RESOURCES LIMITED	15.78	BERNHARDT
203646	Goodfish-Kirana	42A011236	SCMC	Active	9/27/2022	9/27/2022	4/27/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.52	BERNHARDT
235134	Goodfish-Kirana	42A011215	SCMC	Active	9/27/2022	9/27/2022	4/27/2022	(100) CHAMPAGNE RESOURCES LIMITED	13.66	BERNHARDT
269679	Goodfish-Kirana	42A011237	SCMC	Active	9/27/2022	9/27/2022	4/27/2022	(100) CHAMPAGNE RESOURCES LIMITED	6.01	BERNHARDT
123600	Goodfish-Kirana	32D04L185	SCMC	Active	10/11/2022	10/11/2022	5/11/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.52	MORRISETTE
134337	Goodfish-Kirana	32D04L204	SCMC	Active	10/11/2022	10/11/2022	5/11/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.52	MORRISETTE
179536	Goodfish-Kirana	42A011240	SCMC	Active	10/11/2022	10/11/2022	5/11/2022	(100) CHAMPAGNE RESOURCES LIMITED	0.13	MORRISETTE
186985	Goodfish-Kirana	32D04L222	SCMC	Active	10/11/2022	10/11/2022	5/11/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.52	MORRISETTE
199156	Goodfish-Kirana	32D04L184	SCMC	Active	10/11/2022	10/11/2022	5/11/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.52	MORRISETTE
199158	Goodfish-Kirana	32D04L221	SCMC	Active	10/11/2022	10/11/2022	5/11/2022	(100) CHAMPAGNE RESOURCES LIMITED	8.61	MORRISETTE
206472	Goodfish-Kirana	32D04L205	SCMC	Active	10/11/2022	10/11/2022	5/11/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.52	MORRISETTE
206473	Goodfish-Kirana	32D04L223	SCMC	Active	10/11/2022	10/11/2022	5/11/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.52	MORRISETTE
320289	Goodfish-Kirana	32D04L224	SCMC	Active	10/11/2022	10/11/2022	5/11/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.52	MORRISETTE
108876	Goodfish-Kirana	32D04L201	SCMC	Active	10/15/2022	10/15/2022	5/15/2022	(100) CHAMPAGNE RESOURCES LIMITED	10.19	MORRISETTE
112959	Goodfish-Kirana	32D04L122	SCMC	Active	10/15/2022	10/15/2022	5/15/2022	(100) CHAMPAGNE RESOURCES LIMITED	13.44	MORRISETTE
123601	Goodfish-Kirana	32D04L203	SCMC	Active	10/15/2022	10/15/2022	5/15/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.52	MORRISETTE
143107	Goodfish-Kirana	32D04L141	SCMC	Active	10/15/2022	10/15/2022	5/15/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.52	MORRISETTE
154777	Goodfish-Kirana	32D04L163	SCMC	Active	10/15/2022	10/15/2022	5/15/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.32	MORRISETTE
157232	Goodfish-Kirana	32D04L121	SCMC	Active	10/15/2022	10/15/2022	5/15/2022	(100) CHAMPAGNE RESOURCES LIMITED	10.82	MORRISETTE
182273	Goodfish-Kirana	42A011200	SCMC	Active	10/15/2022	10/15/2022	5/15/2022	(100) CHAMPAGNE RESOURCES LIMITED	19.56	MORRISETTE
187864	Goodfish-Kirana	32D04L123	BCMC	Active	10/15/2022	10/15/2022	5/15/2022	(100) CHAMPAGNE RESOURCES LIMITED	2.27	MORRISETTE
189694	Goodfish-Kirana	32D04L161	SCMC	Active	10/15/2022	10/15/2022	5/15/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.52	MORRISETTE
189715	Goodfish-Kirana	42A011179	SCMC	Active	10/15/2022	10/15/2022	5/15/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.52	MORRISETTE
199157	Goodfish-Kirana	32D04L181	SCMC	Active	10/15/2022	10/15/2022	5/15/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.04	MORRISETTE
202395	Goodfish-Kirana	42A011140	SCMC	Active	10/15/2022	10/15/2022	5/15/2022	(100) CHAMPAGNE RESOURCES LIMITED	15.42	MORRISETTE



## TECHNICAL REPORT ON THE KIRKLAND LAKE PROPERTIES FOR WARRIOR GOLD

Tenure ID	Project	Cell ID(s)	Tenure Type	Tenure Status	Anniversary Date	Due Date	Optimum Work Report Submission Date	Holder	Area (ha)	Township/Area
246233	Goodfish-Kirana	32D04L183	SCMC	Active	10/15/2022	10/15/2022	5/15/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.52	MORRISETTE
274063	Goodfish-Kirana	42A011079	BCMC	Active	2/18/2023	2/18/2023	9/18/2022	(100) CHAMPAGNE RESOURCES LIMITED	11.49	MORRISETTE
274064	Goodfish-Kirana	42A011097	SCMC	Active	2/18/2023	2/18/2023	9/18/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.51	BERNHARDT
287306	Goodfish-Kirana	42A011114	SCMC	Active	2/18/2023	2/18/2023	9/18/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.51	BERNHARDT
304044	Goodfish-Kirana	42A011100	SCMC	Active	2/18/2023	2/18/2023	9/18/2022	(100) CHAMPAGNE RESOURCES LIMITED	8.42	MORRISETTE
314232	Goodfish-Kirana	42A011135	SCMC	Active	2/18/2023	2/18/2023	9/18/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.52	BERNHARDT
335113	Goodfish-Kirana	42A011155	SCMC	Active	2/18/2023	2/18/2023	9/18/2022	(100) CHAMPAGNE RESOURCES LIMITED	20.20	BERNHARDT
703249	Goodfish-Kirana	32D04L094	SCMC	Active	1/30/2024	1/30/2024	8/30/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	MORRISETTE
703250	Goodfish-Kirana	32D04L096	SCMC	Active	1/30/2024	1/30/2024	8/30/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	MORRISETTE
703251	Goodfish-Kirana	32D04L095	SCMC	Active	1/30/2024	1/30/2024	8/30/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	MORRISETTE
102243	Goodfish-Kirana	32D04L267	SCMC	Active	3/1/2024	3/1/2024	10/1/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.53	MORRISETTE
241211	Goodfish-Kirana	32D04L268	SCMC	Active	3/20/2024	3/20/2024	10/20/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.53	MORRISETTE
290859	Goodfish-Kirana	42A011299	SCMC	Active	6/7/2025	6/7/2025	1/7/2025	(100) CHAMPAGNE RESOURCES LIMITED	14.32	LEBEL,MORRISETTE
<b>236</b>									<b>3,907.72</b>	

## APPENDIX II

### Mining Tenure for KL West Block

Note: An extension of time has been applied for until July 2022 on those needed claims at the time of writing this report.

Tenure ID	Project	Cell ID(s)	Tenure Type	Tenure Status	Anniversary Date	Due Date	Optimum Work Report Submission Date	Holder	Area (ha)	Township/Area
582478	KL West	42A08A171;	MCMC	Active	3/13/2022	3/13/2022	10/13/2021	(100) JONATHAN PAUL CAMILLERI	303.54	MELBA
582480	KL West	42A08A112	SCMC	Active	3/13/2022	3/13/2022	10/13/2021	(100) JONATHAN PAUL CAMILLERI	9.51	MELBA
582481	KL West	42A08A132	SCMC	Active	3/13/2022	3/13/2022	10/13/2021	(100) JONATHAN PAUL CAMILLERI	21.48	MELBA
583799	KL West	8H267;42A08	MCMC	Active	4/13/2022	4/13/2022	11/13/2021	(100) JONATHAN PAUL CAMILLERI	429.17	BARNET,MELBA
584097	KL West	42A011064;4	MCMC	Active	4/13/2022	4/13/2022	11/13/2021	(100) JONATHAN PAUL CAMILLERI	537.72	BERNHARDT,MAISONVILLE
584124	KL West	21J096;42A01	MCMC	Active	4/13/2022	4/13/2022	11/13/2021	(100) JONATHAN PAUL CAMILLERI	344.20	BERNHARDT,MAISONVILLE
584234	KL West	7;42A011148;4	MCMC	Active	4/13/2022	4/13/2022	11/13/2021	(100) JONATHAN PAUL CAMILLERI	269.28	BERNHARDT
584297	KL West	8H374;42A08	MCMC	Active	4/13/2022	4/13/2022	11/13/2021	(100) JONATHAN PAUL CAMILLERI	381.04	MELBA
584324	KL West	21J186;42A01	MCMC	Active	4/13/2022	4/13/2022	11/13/2021	(100) JONATHAN PAUL CAMILLERI	410.18	MAISONVILLE
584362	KL West	21J131;42A01	MCMC	Active	4/13/2022	4/13/2022	11/13/2021	(100) JONATHAN PAUL CAMILLERI	344.27	MAISONVILLE
584380	KL West	21J112;42A01	MCMC	Active	4/13/2022	4/13/2022	11/13/2021	(100) JONATHAN PAUL CAMILLERI	43.03	BERNHARDT
584479	KL West	8H334;42A08	MCMC	Active	4/13/2022	4/13/2022	11/13/2021	(100) JONATHAN PAUL CAMILLERI	472.19	BARNET,BISLEY,MELBA
524626	KL West	21J109;42A01	MCMC	Active	6/14/2022	6/14/2022	1/14/2022	(100) JONATHAN PAUL CAMILLERI	215.14	MAISONVILLE
107485	KL West	42A08A223	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.49	MELBA
107486	KL West	42A08A265	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.49	BERNHARDT,MELBA
109466	KL West	42A08A311	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
111401	KL West	42A08A246	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.49	MELBA
111416	KL West	42A08A281	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
111417	KL West	42A08A304	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
111432	KL West	42A08B318	BCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	0.02	BERNHARDT
122168	KL West	42A08A287	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
122855	KL West	42A08A308	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
122856	KL West	42A08A327	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
122857	KL West	42A08A352	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
122858	KL West	42A08A348	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
124191	KL West	42A08A286	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
128092	KL West	42A08A225	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.49	MELBA
133804	KL West	42A08B280	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.49	BERNHARDT,MELBA
141041	KL West	42A08A288	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
146231	KL West	42A08A310	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
149880	KL West	42A08A206	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.49	MELBA
150392	KL West	42A08A282	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
150403	KL West	42A08A301	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
150404	KL West	42A08B320	BCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	5.73	BERNHARDT
156636	KL West	42A08A241	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.49	MELBA
156637	KL West	42A08B260	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.49	MELBA
168531	KL West	42A08A226	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.49	MELBA
174179	KL West	42A08A245	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.49	MELBA
186222	KL West	42A08A351	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
186223	KL West	42A08A350	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
192152	KL West	42A08A243	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.49	MELBA
198537	KL West	42A08A303	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
204246	KL West	42A08A224	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.49	MELBA
204247	KL West	42A08A262	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.49	BERNHARDT,MELBA
205728	KL West	42A08A332	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
205729	KL West	42A08A330	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
205968	KL West	42A08A208	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.49	MELBA
205996	KL West	42A08A302	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
211031	KL West	42A08A309	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
223971	KL West	42A08A209	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.49	MELBA
229428	KL West	42A08A264	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.49	BERNHARDT,MELBA
240922	KL West	42A08A290	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
245001	KL West	42A08A307	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
253048	KL West	42A08A331	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
253049	KL West	42A08A329	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
253050	KL West	42A08A349	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
271992	KL West	42A08A207	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.49	MELBA
272002	KL West	42A08B299	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
273133	KL West	42A08A266	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.49	BERNHARDT,MELBA

# TECHNICAL REPORT ON THE KIRKLAND LAKE PROPERTIES FOR WARRIOR GOLD

Tenure ID	Project	Cell ID(s)	Tenure Type	Tenure Status	Anniversary Date	Due Date	Optimum Work Report Submission Date	Holder	Area (ha)	Township/Area
273134	KL West	42A08A306	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
273135	KL West	42A08A305	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
288072	KL West	42A08A289	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
289550	KL West	42A08A347	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
295448	KL West	42A08A244	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.49	MELBA
295449	KL West	42A08A263	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.49	BERNHARDT,MELBA
301604	KL West	42A08A328	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
301858	KL West	42A08A283	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
301871	KL West	42A08B319	BCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	5.48	BERNHARDT
303605	KL West	42A08A285	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
304577	KL West	42A08B240	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.49	MELBA
319197	KL West	42A08A284	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
319198	KL West	42A08B300	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
319199	KL West	42A08B298	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.50	BERNHARDT
333093	KL West	42A08A261	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.49	BERNHARDT,MELBA
334506	KL West	42A08A221	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.49	MELBA
335729	KL West	42A08A222	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.49	MELBA
335730	KL West	42A08A242	SCMC	Active	6/23/2022	6/23/2022	1/23/2022	(100) JONATHAN PAUL CAMILLERI	21.49	MELBA
625561	KL West	8H309;42A08	MCMC	Active	12/20/2022	12/20/2022	7/20/2022	(100) JONATHAN PAUL CAMILLERI	85.85	MELBA
625562	KL West	8H285;42A08	MCMC	Active	12/20/2022	12/20/2022	7/20/2022	(100) JONATHAN PAUL CAMILLERI	85.84	MELBA
625649	KL West	8H264;42A08	MCMC	Active	12/21/2022	12/21/2022	7/21/2022	(100) JONATHAN PAUL CAMILLERI	42.92	MELBA
539416	KL West	011103;42A01	MCMC	Active	1/17/2023	1/17/2023	8/17/2022	(100) JONATHAN PAUL CAMILLERI	387.26	BERNHARDT
539417	KL West	011164;42A01	MCMC	Active	1/17/2023	1/17/2023	8/17/2022	(100) JONATHAN PAUL CAMILLERI	258.23	BERNHARDT
539418	KL West	011045;42A01	MCMC	Active	1/17/2023	1/17/2023	8/17/2022	(100) JONATHAN PAUL CAMILLERI	387.16	BERNHARDT
539419	KL West	8A364;42A08	MCMC	Active	1/17/2023	1/17/2023	8/17/2022	(100) JONATHAN PAUL CAMILLERI	387.02	BERNHARDT
539420	KL West	011076;42A01	MCMC	Active	1/17/2023	1/17/2023	8/17/2022	(100) JONATHAN PAUL CAMILLERI	344.19	BERNHARDT
539421	KL West	1;42A011035;4	MCMC	Active	1/17/2023	1/17/2023	8/17/2022	(100) JONATHAN PAUL CAMILLERI	322.61	BERNHARDT
539422	KL West	051;42A01105	MCMC	Active	1/17/2023	1/17/2023	8/17/2022	(100) JONATHAN PAUL CAMILLERI	473.12	BERNHARDT
539566	KL West	011223;42A01	MCMC	Active	1/20/2023	1/20/2023	8/20/2022	(100) JONATHAN PAUL CAMILLERI	171.53	BERNHARDT
539567	KL West	011172;42A01	MCMC	Active	1/20/2023	1/20/2023	8/20/2022	(100) JONATHAN PAUL CAMILLERI	387.34	MAISONVILLE
539568	KL West	011253;42A01	MCMC	Active	1/20/2023	1/20/2023	8/20/2022	(100) JONATHAN PAUL CAMILLERI	375.07	BERNHARDT,MAISONVILLE
539930	KL West	1;42A08B316;	MCMC	Active	1/26/2023	1/26/2023	8/26/2022	(100) JONATHAN PAUL CAMILLERI	451.45	BERNHARDT,MAISONVILLE
539931	KL West	0054;42A0110	MCMC	Active	1/26/2023	1/26/2023	8/26/2022	(100) JONATHAN PAUL CAMILLERI	430.11	MAISONVILLE
539932	KL West	8B351;42A08	MCMC	Active	1/26/2023	1/26/2023	8/26/2022	(100) JONATHAN PAUL CAMILLERI	90.94	MAISONVILLE
575673	KL West	1;42A08A354;	MCMC	Active	2/6/2023	2/6/2023	9/6/2022	(100) JONATHAN PAUL CAMILLERI	150.50	BERNHARDT
139731	KL West	42A08A093	SCMC	Active	2/12/2023	2/12/2023	9/12/2022	(100) JONATHAN PAUL CAMILLERI	4.05	MELBA
143818	KL West	42A08A033	SCMC	Active	2/12/2023	2/12/2023	9/12/2022	(100) JONATHAN PAUL CAMILLERI	5.32	MELBA
158438	KL West	42A08A015	SCMC	Active	2/12/2023	2/12/2023	9/12/2022	(100) JONATHAN PAUL CAMILLERI	4.80	MELBA
192343	KL West	42A08A073	SCMC	Active	2/12/2023	2/12/2023	9/12/2022	(100) JONATHAN PAUL CAMILLERI	9.18	MELBA
203119	KL West	42A08A016	SCMC	Active	2/12/2023	2/12/2023	9/12/2022	(100) JONATHAN PAUL CAMILLERI	12.40	MELBA
306341	KL West	42A08A014	SCMC	Active	2/12/2023	2/12/2023	9/12/2022	(100) JONATHAN PAUL CAMILLERI	21.24	MELBA
313141	KL West	42A08A053	SCMC	Active	2/12/2023	2/12/2023	9/12/2022	(100) JONATHAN PAUL CAMILLERI	4.10	MELBA
325830	KL West	42A08A013	SCMC	Active	2/12/2023	2/12/2023	9/12/2022	(100) JONATHAN PAUL CAMILLERI	10.93	MELBA
576606	KL West	8A169;42A08	MCMC	Active	2/13/2023	2/13/2023	9/13/2022	(100) JONATHAN PAUL CAMILLERI	429.70	MELBA
578811	KL West	1;42A08A248;	MCMC	Active	2/15/2023	2/15/2023	9/15/2022	(100) JONATHAN PAUL CAMILLERI	193.43	BERNHARDT,MELBA
578812	KL West	8A075;42A08	MCMC	Active	2/15/2023	2/15/2023	9/15/2022	(100) JONATHAN PAUL CAMILLERI	429.52	BISLEY,MELBA
578813	KL West	8A157;42A08	MCMC	Active	2/15/2023	2/15/2023	9/15/2022	(100) JONATHAN PAUL CAMILLERI	343.74	MELBA
643557	KL West	8B258;42A08	MCMC	Active	3/16/2023	3/16/2023	10/16/2022	(100) JONATHAN PAUL CAMILLERI	128.95	BERNHARDT,MELBA
701228	KL West	42A08A337	SCMC	Active	1/15/2024	1/15/2024	8/15/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.50	BERNHARDT
701229	KL West	42A08A336	SCMC	Active	1/15/2024	1/15/2024	8/15/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.50	BERNHARDT
701230	KL West	42A08A317	SCMC	Active	1/15/2024	1/15/2024	8/15/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.50	BERNHARDT
701231	KL West	42A08A316	SCMC	Active	1/15/2024	1/15/2024	8/15/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.50	BERNHARDT
701694	KL West	42A08A232	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	MELBA
701695	KL West	42A08A212	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	MELBA
701696	KL West	42A08A214	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	MELBA
701697	KL West	42A08A256	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	MELBA
701698	KL West	42A08A251	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	MELBA
701699	KL West	42A08A230	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	MELBA
701700	KL West	42A08A211	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	MELBA
701701	KL West	42A08A217	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	MELBA

# TECHNICAL REPORT ON THE KIRKLAND LAKE PROPERTIES FOR WARRIOR GOLD

Tenure ID	Project	Cell ID(s)	Tenure Type	Tenure Status	Anniversary Date	Due Date	Optimum Work Report Submission Date	Holder	Area (ha)	Township/Area
701702	KL West	42A08A253	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	MELBA
701703	KL West	42A08A235	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	MELBA
701704	KL West	42A08A215	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	MELBA
701705	KL West	42A08A216	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	MELBA
701706	KL West	42A08A237	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	MELBA
701707	KL West	42A08A252	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	MELBA
701708	KL West	42A08A254	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	MELBA
701709	KL West	42A08A250	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	MELBA
701710	KL West	42A08A233	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	MELBA
701711	KL West	42A08A255	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	MELBA
701712	KL West	42A08A257	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	MELBA
701713	KL West	42A08A231	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	MELBA
701714	KL West	42A08A213	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	MELBA
701715	KL West	42A08A234	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	MELBA
701716	KL West	42A08A236	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	MELBA
701717	KL West	42A08A271	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	BERNHARDT, MELBA
701718	KL West	42A08A272	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	BERNHARDT, MELBA
701719	KL West	42A08A295	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.50	BERNHARDT
701720	KL West	42A08A296	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.50	BERNHARDT
701721	KL West	42A08A275	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	BERNHARDT, MELBA
701722	KL West	42A08A297	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.50	BERNHARDT
701723	KL West	42A08A273	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	BERNHARDT, MELBA
701724	KL West	42A08A294	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.50	BERNHARDT
701725	KL West	42A08A277	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	BERNHARDT, MELBA
701726	KL West	42A08A292	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.50	BERNHARDT
701727	KL West	42A08A274	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	BERNHARDT, MELBA
701728	KL West	42A08A293	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.50	BERNHARDT
701729	KL West	42A08A270	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	BERNHARDT, MELBA
701730	KL West	42A08A291	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.50	BERNHARDT
701731	KL West	42A08A276	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	BERNHARDT, MELBA
701732	KL West	42A08A314	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.50	BERNHARDT
701733	KL West	42A08A355	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.50	BERNHARDT
701734	KL West	42A08A376	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.50	BERNHARDT
701735	KL West	42A08A312	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.50	BERNHARDT
701736	KL West	42A08A396	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.50	BERNHARDT
701737	KL West	42A08A377	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.50	BERNHARDT
701738	KL West	42A08A313	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.50	BERNHARDT
701739	KL West	42A08A335	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.50	BERNHARDT
701740	KL West	42A08A315	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.50	BERNHARDT
701741	KL West	42A08A356	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.50	BERNHARDT
701742	KL West	42A08A375	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.50	BERNHARDT
701743	KL West	42A08A357	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.50	BERNHARDT
701744	KL West	42A08A397	SCMC	Active Pending Transfer	1/17/2024	1/17/2024	8/17/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.50	BERNHARDT
702312	KL West	42A08A168	SCMC	Active	1/20/2024	1/20/2024	8/20/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.48	MELBA
702313	KL West	42A08A188	SCMC	Active	1/20/2024	1/20/2024	8/20/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.49	MELBA
164									12,756.81	

## APPENDIX III

### Mining Tenue for KL Central Block

Note: An extension of time has been applied for until July 2022 on those needed claims at the time of writing this report.

Tenure ID	Project	Cell ID(s)	Tenure Type	Tenure Status	Anniversary Date	Due Date	Optimum Work Report Submission Date	Holder	Area (ha)	Township/Area
579400	KL Central	4K149;32D04	MCMC	Active	2/22/2022	2/22/2022	9/22/2021	(100) JONATHAN PAUL CAMILLERI	129.11	ARNOLD
579465	KL Central	4K228;32D04	MCMC	Active	2/25/2022	2/25/2022	9/25/2021	(100) JONATHAN PAUL CAMILLERI	301.35	ARNOLD
579472	KL Central	3;32D04K241	MCMC	Active	2/25/2022	2/25/2022	9/25/2021	(100) JONATHAN PAUL CAMILLERI	535.16	ARNOLD
579680	KL Central	;32D04K185;	MCMC	Active	2/25/2022	2/25/2022	9/25/2021	(100) JONATHAN PAUL CAMILLERI	538.02	ARNOLD
579683	KL Central	;32D04K085;	MCMC	Active	2/25/2022	2/25/2022	9/25/2021	(100) JONATHAN PAUL CAMILLERI	451.73	ARNOLD
585387	KL Central	5C334;32D05	MCMC	Active	4/22/2022	4/22/2022	11/22/2021	(100) JONATHAN PAUL CAMILLERI	258.00	ARNOLD
623999	KL Central	;32D05C313;	MCMC	Active	12/13/2022	12/13/2022	7/13/2022	(100) JONATHAN PAUL CAMILLERI	64.49	ARNOLD
624148	KL Central	32D05C312	SCMC	Active	12/14/2022	12/14/2022	7/14/2022	(100) JONATHAN PAUL CAMILLERI	21.50	ARNOLD
680158	KL Central	32D04K061	SCMC	Active	10/4/2023	10/4/2023	5/4/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.51	ARNOLD
680159	KL Central	32D04K081	SCMC	Active	10/4/2023	10/4/2023	5/4/2023	(100) CHAMPAGNE RESOURCES LIMITED	21.51	ARNOLD
<b>10</b>									<b>2,342.37</b>	

## TECHNICAL REPORT ON THE KIRKLAND LAKE PROPERTIES FOR WARRIOR GOLD

Tenure ID	Project	Cell ID(s)	Tenure Type	Tenure Status	Anniversary Date	Due Date	Optimum Work Report Submission Date	Holder	Area (ha)	Township/Area
583086	Arnold	32D04K231	SCMC	Active	4/3/2022	4/3/2022	11/3/2021	(100) CHAMPAGNE RESOURCES LIMITED	21.52	ARNOLD
583087	Arnold	32D04K232	SCMC	Active	4/3/2022	4/3/2022	11/3/2021	(100) CHAMPAGNE RESOURCES LIMITED	21.52	ARNOLD
583088	Arnold	32D04K233	SCMC	Active	4/3/2022	4/3/2022	11/3/2021	(100) CHAMPAGNE RESOURCES LIMITED	21.52	ARNOLD
567897	Arnold	32D04K250	SCMC	Active	12/31/2021	7/1/2022	2/1/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	ARNOLD
567898	Arnold	32D04K251	SCMC	Active	12/31/2021	7/1/2022	2/1/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	ARNOLD
567899	Arnold	32D04K252	SCMC	Active	12/31/2021	7/1/2022	2/1/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	ARNOLD
567900	Arnold	32D04K253	SCMC	Active	12/31/2021	7/1/2022	2/1/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	ARNOLD
567901	Arnold	32D04K254	SCMC	Active	12/31/2021	7/1/2022	2/1/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	ARNOLD
567902	Arnold	32D04K255	SCMC	Active	12/31/2021	7/1/2022	2/1/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	ARNOLD
567903	Arnold	32D04K265	SCMC	Active	12/31/2021	7/1/2022	2/1/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	ARNOLD
567904	Arnold	32D04K266	SCMC	Active	12/31/2021	7/1/2022	2/1/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	ARNOLD
567905	Arnold	32D04K267	SCMC	Active	12/31/2021	7/1/2022	2/1/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	ARNOLD
567906	Arnold	32D04K268	SCMC	Active	12/31/2021	7/1/2022	2/1/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	ARNOLD
567907	Arnold	32D04K269	SCMC	Active	12/31/2021	7/1/2022	2/1/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	ARNOLD
567908	Arnold	32D04K270	SCMC	Active	12/31/2021	7/1/2022	2/1/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	ARNOLD
567909	Arnold	32D04K271	SCMC	Active	12/31/2021	7/1/2022	2/1/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	ARNOLD
567910	Arnold	32D04K272	SCMC	Active	12/31/2021	7/1/2022	2/1/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	ARNOLD
567911	Arnold	32D04K273	SCMC	Active	12/31/2021	7/1/2022	2/1/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	ARNOLD
567912	Arnold	32D04K274	SCMC	Active	12/31/2021	7/1/2022	2/1/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	ARNOLD
567913	Arnold	32D04K283	SCMC	Active	12/31/2021	7/1/2022	2/1/2022	(100) CHAMPAGNE RESOURCES LIMITED	14.04	ARNOLD,GAUTHIER
567914	Arnold	32D04K284	SCMC	Active	12/31/2021	7/1/2022	2/1/2022	(100) CHAMPAGNE RESOURCES LIMITED	13.70	ARNOLD,GAUTHIER
567915	Arnold	32D04K285	SCMC	Active	12/31/2021	7/1/2022	2/1/2022	(100) CHAMPAGNE RESOURCES LIMITED	13.41	ARNOLD,GAUTHIER
567916	Arnold	32D04K275	SCMC	Active	1/1/2022	7/1/2022	2/1/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.53	ARNOLD
567917	Arnold	32D04K234	SCMC	Active	1/1/2022	7/1/2022	2/1/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.52	ARNOLD
567918	Arnold	32D04K235	SCMC	Active	1/1/2022	7/1/2022	2/1/2022	(100) CHAMPAGNE RESOURCES LIMITED	21.52	ARNOLD
670382	Arnold	4K029,32D04	MCMC	Active	7/28/2023	7/28/2023	2/28/2023	(100) CHAMPAGNE RESOURCES LIMITED	215.15	ARNOLD
670383	Arnold	,32D04K067,	MCMC	Active	7/28/2023	7/28/2023	2/28/2023	(100) CHAMPAGNE RESOURCES LIMITED	236.63	ARNOLD
670384	Arnold	4K129,32D04	MCMC	Active	7/28/2023	7/28/2023	2/28/2023	(100) CHAMPAGNE RESOURCES LIMITED	258.09	ARNOLD
<b>28</b>									<b>1,224.61</b>	

## APPENDIX IV

### Historical Drill Results for the GK Claim Group

## TECHNICAL REPORT ON THE KIRKLAND LAKE PROPERTIES FOR WARRIOR GOLD

Hole	Block	Year	Company	Easting	Northing	Azimuth	Dip	Length (m)	From (m)	To (m)	Length (m)	Gold (g/t)	Report
FTO-98-1	GoodFish Lake	1998	FT O'Connor	572462	5339475	315	-45	142.34	112.75	114.00	1.25	2.09	Gamble, D, 1998b
FTO-97-1	GoodFish Lake	1997	FT O'Connor	572372	5339566	135	-62	174.35			3.05	0.15	Gamble, D, 1998a
M-81-4	GoodFish Lake	1981	FT O'Connor	573005	5339060	150	-60	164.59				NP	O'Connor, T., 1981
M-81-3	GoodFish Lake	1981	FT O'Connor	573008	5339054	150	45	95.59				NP	O'Connor, T., 1981
79-2	Kirana Break	1979	Haas-Warner	573605	5338049			206.35				NP	O'Connor, FT., 1979
79-1	Kirana Break	1979	Haas-Warner	573685	5338044			145.39				NP	O'Connor, FT., 1979
81-3	Kirana Break	1981	Haas-Warner	573596	5338063			30.48				NP	Lovell, H. and Grabowski, G. 1981
GF90-01	GoodFish Block	1990	International Platinum	573683	5339455	135	-45	188.06	83.76	84.98	1.22	2.74	Trusler, 1990
GF90-02	GoodFish Block	1990	International Platinum	573695	5339330	130	-45	105.77	99.97	100.13	0.15	6.58	Trusler, 1990
GF90-03	GoodFish Block	1990	International Platinum	573713	5339135	135	60	121.92	80.86	81.63	0.76	3.84	Trusler, 1990
GF90-05	GoodFish Block	1990	International Platinum	573696	5339106	135	-45	106.68				NSV	Trusler, 1990
GF90-06	GoodFish Block	1990	International Platinum	573723	5339472	135	45	96.62	51.42	53.95	2.53	0.48	Trusler, 1990
KL88-10	GoodFish Block	1988	Lencourt	573789	5339553	104	-45	131.98	124.56	125.88	1.32	0.65	Trusler, 1990
KL88-9	GoodFish Block	1988	Lencourt	573715	5339416	155	-45	122.83	82.2	84.12	1.92	3.64	Trusler, 1990
KL88-8	GoodFish Block	1988	Lencourt	573714	5339414	130	-45	83.21	22.4	23.93	1.53	5.8	Trusler, 1990
									23.93	25.6	1.67	23.53	
									65.53	66.29	0.76	2.26	
KL88-7	GoodFish Block	1988	Lencourt	573580	5339243	160	-44	95.4				NSV	Trusler, 1990
KL88-6	GoodFish Block	1988	Lencourt	573579	5339243	130	-45	118.26	28.65	30.94	2.29	0.34	Trusler, 1990
KL88-1	GoodFish Block	1988	Lencourt	573734	5339147	140	-45	96.62	62.82	65.54	2.72	0.11	W.G.M, 1988
KL88-2	GoodFish Block	1988	Lencourt	573738	5339150	90	-45	114.91	27.51	27.87	0.36	4.3	W.G.M, 1988
								added	40.63	41.3	0.67	3.8	
KL88-3	GoodFish Block	1988	Lencourt	573739	5339150	90	-62	121	81.66	81.81	0.15	5.66	W.G.M, 1988
									87.93	88.13	0.2	1.36	
									88.13	88.85	0.72	0.71	
KL88-4	GoodFish Block	1988	Lencourt	573711	5339140	140	-45	97.84			0.79	12.34	W.G.M, 1988
									64.28	64.69	0.41	2.83	
									78.33	79.86	1.53	10.34	
KL88-5	GoodFish Block	1988	Lencourt	573714	5339138	113	-55	114.91	80.77	81.38	0.61	1.94	W.G.M, 1988
GF90-12	GoodFish Block	1990	International Platinum	573649	5338731	44	-61	181.66	76.66	77.88	1.22	14.983	Trusler, 1990
GF90-13	GoodFish Block	1990	International Platinum	573649	5338730	57	-62.5	218.24	195.32	207.26	11.95	1.44	Trusler, 1990
GF90-8	GoodFish Block	1990	International Platinum	573719	5338717	3	-62	161.54	129.27	130.85	1.58	5.49	Trusler, 1990
GF90-9	GoodFish Block	1990	International Platinum	573719	5338717	350	-60	162.46	111.07	112.04	0.98	5	Trusler, 1990
GF90-11	GoodFish Block	1990	International Platinum	573721	5338717	30	-62	119.79	67.94	68.88	0.94	2.632	Trusler, 1990
GF90-10	GoodFish Block	1990	International Platinum	573720	5338717	350	-50	105.46	44.65	56.39	11.73	0.39	Trusler, 1990
GF90-4	GoodFish Block	1990	International Platinum	573774	5338827	220	60	190.5	135.4	148	12.65	16.97 g/t	Trusler, 1990
									includes	120.4	121.0	0.6	13.22 g
										122.4	124.1	1.6	0.44 g/t
										135.4	136.9	1.5	46.64 g/t
										136.9	138.4	1.5	1.24 g/t
										140.7	141.2	0.5	0.67 g/t
										145.1	145.7	0.6	1.16 g/t
										146.8	148.0	1.2	12.24 g/t
GF90-14	GoodFish Block	1990	International Platinum	573775	5338827	222	-62.5	267.00	126.28	129.69	3.41	7.37	Trusler, 1990
GF90-15	GoodFish Block	1990	International Platinum	573776	5338827	208.5	-66.5	184.71	164.96	166.27	1.31	4.49	Trusler, 1990
GF92-16	GoodFish Block	1992	Glencairn Explorations	573777	5338827	197	-73	197.5	76.60	77.05	0.46	3.50	Trusler, JR., 1992
GF92-17	GoodFish Block	1992	Glencairn Explorations	573775	5338828	188	-77.5	244.45	229.51	237.13	7.62	4.66	Trusler, JR., 1992
GF92-18	GoodFish Block	1992	Glencairn Explorations	573776	5338828	200	-67.5	177.39	160.36	160.47	0.64	6.21	Trusler, JR., 1992
GF92-19	GoodFish Block	1992	Glencairn Explorations	573776	5338828	204.75	-58.5	162.46	132.28	133.90	1.67	3.87	Trusler, JR., 1992
GF95-23	GoodFish Block	1995	Glencairn Explorations	573716	5338854	212	-75	288.34	78.03	78.58	0.55	4.7	Trusler, JR., 1995

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Hole	Block	Year	Company	Easting	Northing	Azimuth	Dip	Length (m)	From (m)	To (m)	Length (m)	Gold (g/t)	Report
GF95-20	GoodFish Block	1995	Glencairm Explorations	573768	5338834	212	-75	277.67	226.34	233.17	6.83	0.79	Trusler, JR., 1995
GF95-21	GoodFish Block	1995	Glencairm Explorations	573823	5338812	212	-75	285.29	198.42	209.09	10.67	0.3	Trusler, JR., 1995
GF95-22	GoodFish Block	1995	Glencairm Explorations	573870	5338796	212	-75	257.86	210.28	219.43	9.14	0.79	Trusler, JR., 1995
								includes	212.51	213.06	0.55	6.51	
GF95-24	GoodFish Block	1995	Glencairm Explorations	573891	5338833	212	-82	443.79	67.36	68.28	0.91	0.56	Trusler, JR., 1995
8	GoodFish Block	1941	Miles Martin	573739	5339031			28.07			0.3	1.37	Robson, 1941
7	GoodFish Block	1941	Miles Martin	573803	5339166			34.14			0.3	2.4	Robson, 1941
6	GoodFish Block	1941	Miles Martin	573796	5339162			25.7			0.69	8.09	Robson, 1941
5	GoodFish Block	1941	Miles Martin	573772	5339127			28.19				NP	Robson, 1941
4	GoodFish Block	1941	Miles Martin	573773	5339116			28.5			0.38	12	Robson, 1941
1	GoodFish Block	1941	Miles Martin	573729	5339101			61.27			0.61	3.77	Robson, 1941
2	GoodFish Block	1941	Miles Martin	573733	5339103			42.82			0.61	99.42	Robson, 1941
3	GoodFish Block	1941	Miles Martin	573724	5339096			38.1			0.46	3.43	Robson, 1941
GF90-07	GoodFish Block	1990	International Platinum	573679	5339404	135	-40	107.90	105.77	106.38	0.61	0.55	Trusler, 1990
MS-1	Kirana Break	2003	Mike Sutton	573739	5338047	147	-41	117.65	21.336	21.676	0.34	46.84	Sutton, 2003
TL99-01	Eastern Block	1999	Medici Mineral Corp	577795	5338426	0	-45	140				NSV	Skeries, 1999
M99-01	Eastern Block	1999	Medici Mineral Corp	578066	5338519	180	-50	401	182.15	183.2	1.05	15.71	Skeries, 1999
A-1	Eastern Block	1983	Chorzepa	574142	5337783			37.19			3.05	0.34	Chorzepa, E. 1983
E84-1	GoodFish Block	1981	Edda Resources	574166	5340057			175.56				NP	Cunningham, L.J. 1984.
89-1	GoodFish Block	1989	Glencairm Explorations	574093	5339651			93.57				NSV	GLENCAIRN_89_32D04NW0308
89-2	GoodFish Block	1989	Glencairm Explorations	574169	5339767			91.44				NSV	GLENCAIRN_89_32D04NW0308
F90-1	Kirana Break	1990	FT O'Connor	574533	5338133	160	-46	62.48	36.27	37.49	1.22	0.12	O'Connor, F.T. 1990
F90-2	Kirana Break	1990	FT O'Connor	574532	5338129	160	-60	91.74	44.81	46	1.52	0.06	O'Connor, F.T. 1990
DDH1	Eastern Block	1967	G Potter	577856	5338327			87.17				NP	Potter, G., 1967
DDH2	Eastern Block	1967	G Potter	577816	5338326			152.4				NP	Potter, G., 1967
85-1	GoodFish Block	1985	Premier Explorations	574241	5339997			52.73				NP	Forbes, C. P. 1985
M-1-86	Eastern Block	1986	T Link	577537	5338352			49.68				NP	Link, 1986
M-2-86	Eastern Block	1986	T Link	577511	5338419			119.18				NP	Link, 1986
M-3-86	Eastern Block	1986	T Link	577497	5338357			71.93				NP	Link, 1986
M-1-88	Eastern Block	1988	T Link	577482	5338322			213.36				NP	Link, 1988
M-2-88	Eastern Block	1988	T Link	577592	5338382			215.19				NP	Link, 1988
ML96-2	Eastern Block	1996	T Link	577328	5338296			121.31				NSV	Link, 1996
ML96-1	Eastern Block	1996	T Link	577611	5338400	169	-50	146.91	63.25	66.45	3.20	0.55	Link, 1996
ML96-3	Eastern Block	1996	T Link	577609	5338400	342	-43	224.94	88.85	89.46	0.61	0.23	Link, 1996
ML-1-93	Eastern Block	1993	T Link	577964	5338262			295.66				NP	Link, 1993
M-1-89	Eastern Block	1989	T Link	577084	5338878			276.45				NP	Link, 1989
M-2-89	Eastern Block	1989	T Link	577049	5338810			338.02				NP	Link, 1989
M21A	Eastern Block	1985	Lac	575854	5338294			169.77				NP	Morris, G. 1985
K-08-1	Kirana Break	2008	Northern Gold	573744	5338053	155	44	225	65.8	66.7	0.9	0.56	Madhill, B. 2008
K-08-2	Kirana Break	2008	Northern Gold	573734	5338034	151	-44.2	132	53.4	53.8	0.4	0.17	Madhill, B. 2008
KIR-1	Kirana Break	1987	Minnova	572610	5337628			181.4			0.3	2.4	Bernard, 1990
KIR-2	Kirana Break	1987	Minnova	572783	5337701			242				NP	Bernard, 1990
KIR-3	Kirana Break	1987	Minnova	572936	5337708			181.1			0.4	.21	Bernard, 1990
KIR-4	Kirana Break	1987	Minnova	573094	5337794			179.55				NSV	Bernard, 1990
KIR-7	Kirana Break	1988	Minnova	572990	5337746			219.45			0.2	0.33	Bernard, 1990
KIR-5	Kirana Break	1988	Minnova	573607	5338067			307.9			0.5	6.81	Bernard, 1990
KIR-11	Kirana Break	1988	Minnova	572642	5337599			155.45				NP	Bernard, 1990
S-1	Eastern Block	1956	Macassa	577855	5338333	90	-47	75.90	45.90	46.21	0.74	0.69	Ward, W. 1955
S-2	Eastern Block	1956	Macassa	577855	5338328	122	-48	60.66				NSV	Ward, W. 1955
S-3	Eastern Block	1956	Macassa	577854	5338361	80	-49	64.01	56.88	57.15	0.3	1.37	Ward, W. 1955
S-4	Eastern Block	1956	Macassa	578032	5338398	unreadable	unreadable	58.52	42.06	42.98	0.91	0.17	Ward, W. 1955
LM80-1	Eastern Block	1980	Rosario	576013	5337940			35.36				NP	Markov, R.A. 1980c

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Hole	Block	Year	Company	Easting	Northing	Azimuth	Dip	Length (m)	From (m)	To (m)	Length (m)	Gold (g/t)	Report
LM80-2	Eastern Block	1980	Rosario	576015	5337910			76.2				NSV	Markov, R.A. 1980c
M1	Eastern Block	1975	Chorzepa	574131	5337834	180	-54	31.09			1.52	0.34	Chorzepa, E. 1976
M2	Eastern Block	1975	Chorzepa	574152	5337810	180	-54	49.8			0.91	1.71	Chorzepa, E. 1976
LM1	Eastern Block	1976	Chorzepa	574112	5337711	55	-54	46.02	17.68	18.90	1.22	0.34	Chorzepa, E. 1976
M4	Eastern Block	1976	Chorzepa	574254	5337809	60	-57	54.25			1.37	1.03	Chorzepa, E. 1976
M3	Eastern Block	1976	Chorzepa	574258	5337810	48	-45	52.426			0.76	2.06	Chorzepa, E. 1976
K-08-79	Eastern Block	2008	Northern Gold	577802	5338471	165	-45	213	182	184.1	2.1	1.06	Matheson, G. 2009b.
K-08-78	Eastern Block	2008	Northern Gold	577755	5338383	64	-45	60				NSV	Matheson, G. 2009b.
K-08-75	Eastern Block	2008	Northern Gold	577737	5338370	90	-45	92	88	89	1	1.13	Matheson, G. 2009b.
K-08-74	Eastern Block	2008	Northern Gold	577766	5338367	90	-45	72	19	19.2	0.2	2.1	Matheson, G. 2009b.
K-08-76	Eastern Block	2008	Northern Gold	577758	5338338	90	-45	102	43.82	44.22	0.4	0.9	Matheson, G. 2009b.
K-08-77	Eastern Block	2008	Northern Gold	577755	5338305	90	-45	132				NSV	Matheson, G. 2009b.
K-08-21	Eastern Block	2008	Northern Gold	577542	5338383	342	-45	132	69	70	1	4.46	Matheson, G. 2009b.
K-08-22	Eastern Block	2008	Northern Gold	577546	5338392	342	-45	126				NSV	Matheson, G. 2009b.
K-08-23	Eastern Block	2008	Northern Gold	577536	5338381	342	-45	220				NSV	Matheson, G. 2009b.
K-08-3	Kirana Break	2008	Northern Gold	573744	5338045	142	-45	49.7				NSV	Matheson, G. 2009b.
K-08-4	Kirana Break	2008	Northern Gold	573749	5338071	142	-45	51	28	29	1	1.51	Matheson, G. 2009b.
K-08-36	Kirana Break	2008	Northern Gold	573987	5338124	162	-45	201				NSV	Matheson, G. 2009b.
K-08-35	Kirana Break	2008	Northern Gold	573928	5338153	196	-45	245.7				NP	Matheson, G. 2009b.
K-08-64	Kirana Break	2008	Northern Gold	574080	5338170	130	-45	201	72	74	2	1.24	Matheson, G. 2009b.
K-08-62	Kirana Break	2008	Northern Gold	574096	5338055	147	-45	201				NSV	Matheson, G. 2009b.
K-08-39	Kirana Break	2008	Northern Gold	574190	5338123	151	-45	201	80.9	81.4	0.5	1.99	Matheson, G. 2009b.
K-08-61	Kirana Break	2008	Northern Gold	574279	5338171	210	-45	183	114	115	1	2.74	Matheson, G. 2009b.
K-08-60	Kirana Break	2008	Northern Gold	574290	5338093	201	-45	261	115.1	115.6	0.5	1.92	Matheson, G. 2009b.
K-08-38	Eastern Block	2008	Northern Gold	573882	5337770	215	-45	196				NSV	Matheson, G. 2009b.
K-08-37	Eastern Block	2008	Northern Gold	573954	5337735	180	-45	201				NP	Matheson, G. 2009b.
K-08-65	Kirana Break	2008	Northern Gold	574480	5338210	177	-45	201				NSV	Matheson, G. 2009b.
K-08-67	Kirana Break	2008	Northern Gold	574577	5338223	182	-45	201				NSV	Matheson, G. 2009b.
K-08-68	Kirana Break	2008	Northern Gold	574674	5338239	176	-45	201	111	112	1	1.03	Matheson, G. 2009b.
K-08-69	Kirana Break	2008	Northern Gold	574775	5338300	179	-45	201				NSV	Matheson, G. 2009b.
K-08-70	Eastern Block	2008	Northern Gold	574955	5338359	174	-45	201				NP	Matheson, G. 2009b.
K-08-71	Eastern Block	2008	Northern Gold	575032	5338158	183	-45	201				NSV	Matheson, G. 2009b.
K-08-66	Eastern Block		Northern Gold	574503	5337963	174	-45	201				NP	Matheson, G. 2009b.
K-08-63	Eastern Block	2008	Northern Gold	574740	5338656	175	-45	213				NSV	Matheson, G. 2009b.
K-08-72	Eastern Block	2008	Northern Gold	575206	5338516	175	-45	201				NSV	Matheson, G. 2009b.
K-08-73	Eastern Block	2008	Northern Gold	575442	5338547	175	-45	201				NSV	Matheson, G. 2009b.
K-08-51	Eastern Block	2008	Northern Gold	575703	5338060	342	-45	200				NSV	Matheson, G. 2009b.
K-08-52	Eastern Block	2008	Northern Gold	575707	5337959	180	-45	200				NSV	Matheson, G. 2009b.
K-08-53	Eastern Block	2008	Northern Gold	575709	5337889	77	-45	182				NP	Matheson, G. 2009b.
K-08-54	Eastern Block	2008	Northern Gold	575803	5338020	189	-45	77				NSV	Matheson, G. 2009b.
K-08-54A	Eastern Block	2008	Northern Gold	575803	5338020	189	-45	200				NSV	Matheson, G. 2009b.
K-08-55	Eastern Block	2008	Northern Gold	575911	5337880	181	-45	170				NSV	Matheson, G. 2009b.
K-08-56	Eastern Block	2008	Northern Gold	575556	5338054	174	-45	200				NP	Matheson, G. 2009b.
K-08-57	Eastern Block	2008	Northern Gold	576003	5338040	174	-45	200				NP	Matheson, G. 2009b.
K-08-58	Southeastern Block	2008	Northern Gold	576145	5337704	174	-45	198	170.8	171.6	0.8	1.44	Matheson, G. 2009b.
K-08-59	Eastern Block	2008	Northern Gold	576199	5338070	175	-45	200	54	55.5	1.5	1.43	Matheson, G. 2009b.
K-08-80	Eastern Block	2008	Northern Gold	576408	5338051	173	-45	200				NSV	Matheson, G. 2009b.
K-08-81	Eastern Block	2008	Northern Gold	576590	5338199	171	-45	200				NSV	Matheson, G. 2009b.
K-08-93	Eastern Block	2008	Northern Gold	577974	5338565	180	-45	251				NSV	Matheson, G. 2009b.
K-08-30	Fidelity	2008	Northern Gold	572167	5337662	201	-45	600	388	389.5	1.5	0.95	Matheson, G. 2009b.
K-08-31	Fidelity	2008	Northern Gold	572167	5337662	186	-45	564	524	525	1	0.55	Matheson, G. 2009b.
K-08-32	Fidelity	2008	Northern Gold	572167	5337662	164	-45	657	157.4	158.4	1	1.17	Matheson, G. 2009b.

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Hole	Block	Year	Company	Easting	Northing	Azimuth	Dip	Length (m)	From (m)	To (m)	Length (m)	Gold (g/t)	Report
K-08-50	Fidelity	2008	Northern Gold	572216	5337379	176	-45	200	27.7	28.1	0.4	1.54	Matheson, G. 2009b.
K-08-33	Fidelity	2008	Northern Gold	572043	5337379	218	-45	201				NSV	Matheson, G. 2009b.
K-08-34	Fidelity	2008	Northern Gold	572070	5337364	187	-45	202.5	116.1	116.4	0.3	0.82	Matheson, G. 2009b.
K-08-49	Fidelity	2008	Northern Gold	571948	5337371	204	-45	154	123	124.1	1.1	2.68	Matheson, G. 2009b.
K-08-25	Fidelity	2008	Northern Gold	571984	5337342	206	-45	200				NSV	Matheson, G. 2009b.
K-08-20	Fidelity	2008	Northern Gold	572002	5337319	214	-45	125				NSV	Matheson, G. 2009b.
K-08-27	Fidelity	2008	Northern Gold	572008	5337327	212	-45	200				NSV	Matheson, G. 2009b.
K-08-24	Fidelity	2008	Northern Gold	572013	5337306	218	-45	126	37.1	37.7	0.6	2.88	Matheson, G. 2009b.
K-08-19	Fidelity	2008	Northern Gold	572025	5337295	209	-45	126	107	108	1	1.17	Matheson, G. 2009b.
K-08-26	Fidelity	2008	Northern Gold	572035	5337310	225	-45	200				NSV	Matheson, G. 2009b.
K-08-16	Fidelity	2008	Northern Gold	572040	5337288	213	-45	101	40.9	41.9	1	0.89	Matheson, G. 2009b.
K-08-18	Fidelity	2008	Northern Gold	572060	5337301	206	-45	102				NSV	Matheson, G. 2009b.
K-08-15	Fidelity	2008	Northern Gold	572050	5337282	213	-45	101				NSV	Matheson, G. 2009b.
K-08-17	Fidelity	2008	Northern Gold	572063	5337274	209	-45	99	31.9	33.2	1.3	1.48	Matheson, G. 2009b.
K-08-42	Fidelity	2008	Northern Gold	572076	5337274	210	-45	151				NSV	Matheson, G. 2009b.
K-08-44	Fidelity	2008	Northern Gold	572113	5337272	218	-45	199				NSV	Matheson, G. 2009b.
K-08-45	Fidelity	2008	Northern Gold	572137	5337254	220	-45	175				NP	Matheson, G. 2009b.
K-08-14	Fidelity	2008	Northern Gold	572038	5337260	211	-45	51				NSV	Matheson, G. 2009b.
K-08-09	Fidelity	2008	Northern Gold	572052	5337226	252	-45	51				NSV	Matheson, G. 2009b.
K-08-07	Fidelity	2008	Northern Gold	572068	5337249	214	-45	65				NSV	Matheson, G. 2009b.
K-08-12	Fidelity	2008	Northern Gold	572082	5337261	213	-45	81				NSV	Matheson, G. 2009b.
K-08-05	Fidelity	2008	Northern Gold	572089	5337226	211	-45	50				NSV	Matheson, G. 2009b.
K-08-06	Fidelity	2008	Northern Gold	572082	5337241	216	-45	50.4				NSV	Matheson, G. 2009b.
K-08-43	Fidelity	2008	Northern Gold	572107	5337247	212	-45	124				NP	Matheson, G. 2009b.
K-08-41	Fidelity	2008	Northern Gold	572014	5337214	228	-45	90				NSV	Matheson, G. 2009b.
K-08-28	Fidelity	2008	Northern Gold	572037	5337232	306	-45	49				NSV	Matheson, G. 2009b.
K-08-11	Fidelity	2008	Northern Gold	572043	5337226	167	-45	51	8.3	9	0.7	1.1	Matheson, G. 2009b.
K-08-13	Fidelity	2008	Northern Gold	572025	5337260	207	-45	51				NSV	Matheson, G. 2009b.
K-08-10	Fidelity	2008	Northern Gold	572052	5337227	167	-45	52				NSV	Matheson, G. 2009b.
K-08-08	Fidelity	2008	Northern Gold	572065	5337215	248	-45	52	34.2	34.8	0.6	1.71	Matheson, G. 2009b.
K-08-29	Fidelity	2008	Northern Gold	572067	5337213	281	-45	82	3	3.3	0.3	1.66	Matheson, G. 2009b.
K-08-40	Fidelity	2008	Northern Gold	572045	5337191	34	-45	74.5				NSV	Matheson, G. 2009b.
K-08-46	Fidelity	2008	Northern Gold	572159	5337229	149	-45	161				NP	Matheson, G. 2009b.
K-08-47	Fidelity	2008	Northern Gold	572173	5337241	149	-45	233				NP	Matheson, G. 2009b.
K-08-48	Fidelity	2008	Northern Gold	572221	5337251	149	-45	122				NP	Matheson, G. 2009b.
M-3	Lebel Block	1983	Marshall	574124	5336753	162	-42	72.24				NSV	Tagliamonte, F. 1983
LEB-88-01	Southeastern Block	1988	Exploration Brex Inc.	578520	5337372			485				NSV	Pearson, V., 1989
LEB-88-02	Southeastern Block	1988	Exploration Brex Inc.	578455	5337374			542				NSV	Pearson, V., 1989
LEB-88-03	Southeastern Block	1988	Exploration Brex Inc.	578389	5337376			542				NSV	Pearson, V., 1989
KG37-01	Southeastern Block	1937	Kirgood Gold	578810	5336914			238.96				NSV	Pearson, V., 1988
KG37-02	Southeastern Block	1937	Kirgood Gold	578705	5337036			183.18			1.52	0.34	Pearson, V., 1988
KG37-03	Southeastern Block	1937	Kirgood Gold	578892	5337004			196.6				NSV	Pearson, V., 1988
KG37-04	Southeastern Block	1937	Kirgood Gold	578524	5337037			113.08			1.22	12	Pearson, V., 1988
DDH No. 1	Southeastern Block	1961	Grasset Lake Mines Ltd.	578472	5337147			153.01				NP	Hargreaves, E., 1961
DDH No. 2	Southeastern Block	1961	Grasset Lake Mines Ltd.	578408	5337324			151.79				NP	Hargreaves, E., 1961
MO-06-02	GoodFish Lake	2006	Gold Diamet Resources	572567	5341795			200				NP	Brown, P., 2006
MO-06-01	GoodFish Lake	2006	Gold Diamet Resources	572558	5341814			152				NP	Brown, P., 2006

\* blank spots occur in the table where specific data is not available in the assessment reports  
 NP-Not Presented; NSV-No Significant Values