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## Assessment Report on the

Manitou Gold Inc.

## West Limb Property

## 2011 Prospecting Program

## Dryden, Ontario

Kenora Mining Division, Ontario
NTS 52F/07

## Summary

In 2011 Manitou Gold Inc. optioned the West Limb Property from Karl Bjorkman. The West Limb Property consists of 12 unpatented mining claims totaling 2037 hectares, located within the Harper Lake Area and the Lower Manitou Lake Area of the Kenora Mining Division. The property was acquired in the May of 2011.

The Property is situated in the western Wabigoon greenstone and granite Subprovince of the Superior Province. The area is underlain by Precambrian rocks. The bedrock geology is described in the O.G.S. Report 202 (1981) by C. Blackburn and Thompson (1933). The Archean volcanic and sedimentary rocks in the Manitou Lakes area is typical of the greenstone belts of the Wabigoon Sub-Province. The area consists of a thick Early Precambrian mafic metavolcanic sequence followed by intermediate to felsic flows and related tuffs. This sequence is in turn overlain by a sedimentary sequence, part of the Manitou series of Thomson (1933), and is intruded by mafic to felsic stocks and sills.

Mineralization in the area consists of gold located in quartz veins and veinlets, shears, and sulphide zones within a sheared and altered (silicified and carbonatized) mafic volcanic and/or diorite intrusive. Gold-bearing quartz veins are commonly controlled by northeast- trending shear zones.

An initial exploration program consisting of prospecting and grab sampling was carried out over the Property, designed to evaluate the property for its potential to host gold mineralization. A total of 139 samples were collected over the Property from July 20 to August 3, 2011. From the 139 samples that were collected, 35 samples returned assays of 0.25 $\mathrm{g} / \mathrm{t} \mathrm{Au}$ or higher and were considered anomalous. Of the anomalous samples, 26 samples returned values greater than $1 \mathrm{~g} / \mathrm{t}$, and 12 of those returned values greater than $5 \mathrm{~g} / \mathrm{t} \mathrm{Au}$.

The 2011 Prospecting program on the West Limb Property was successful in confirming the presence of gold in several previously worked areas. Samples taken from these areas or zones returned anomalous to high grade gold. Further work over the gold mineralization is recommended, consisting of IP geophysical surveys, detailed trenching and sampling as well as diamond drilling.

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### 1.0 Introduction

From July 20 to August 3, 2011 an exploration program consisting of prospecting and sampling was carried out in the Dryden -Manitou Lake area of northwestern Ontario (Figure 1.1) by Manitou Gold Inc. ("Manitou Gold"). The work was designed as a preliminary evaluation of the West Limb Property ("the Property") which is comprised of 12 unpatented claims. A total of 139 samples were collected over the Property. These samples were analyzed by fire assay by ALS Chemex.

This report documents the work that was undertaken and the results obtained from this preliminary exploration program.


Figure 1.1 Location of the West Limb Property

### 2.0 Property Description, Location and Access

The West Limb property consists of 12 unpatented mining claims totaling 2032 hectares within the Harper Lake and the Lower Manitou Lake Areas of the Kenora Mining Division of Northwestern Ontario. The property is situated approximately 50 km south of Dryden Ontario (Figure 1.1). The property of interest is centered on UTM coordinates NAD 83 Zone 15U 509000E, 5468000N within the $1: 50,000$ NTS map sheet $52 \mathrm{~F} / 07$.

Claims on which work occurred are located in the Kenora Mining Division. The claims on the property are contiguous through Manitou Gold's Harper Lake Property (Figure 2.1). The prospecting and sampling extended over six of the claims comprising the property. A detailed description of the property claims is included in Table 2.1.

The West Limb Property is located in the Kenora Mining Division approximately 50 km southsouthwest of Dryden, Ontario (Figure 1.1). Access to the West Limb claims is by secondary highway 502 south from Dryden, Ontario approximately 120 kilometers then west and north on the Cedar Narrows Road, the Penassi Road and finally the Lost Axe Road which along with other tertiary roads access the property. Roughly 90 km needs to be traveled on the logging roads. Once on the property, access to individual gold showings is obtained by a series of either all weather or winter logging roads, some of which are only accessible by ATV.

Table 2.1: List of Claims of the West Limb Property, 2011

| Claim | Recorded | Due Date | Claim <br> Units | Hectares | Work <br> Required | Township/Area |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $\mathbf{4 2 5 0 2 7 4}$ | Nov 9, 2009 | Nov 9, 2011 | 6 | 96 | $\$ 2,400$ | Harper Lake <br> Area |
| $\mathbf{4 2 4 7 8 1 8}$ | Nov 18, 2009 | Nov 18, 2011 | 6 | 96 | $\$ 2,400$ | Harper Lake <br> Area |
| $\mathbf{4 2 4 8 4 5 3}$ | Feb 16, 2010 | Feb 16, 2012 | 15 | 240 | $\$ 6,000$ | Lower Manitou <br> Lake Area |
| $\mathbf{4 2 5 2 3 6 3}$ | May 3, 2010 | May 3, 2012 | 4 | 64 | $\$ 1,600$ | Lower Manitou <br> Lake Area |
| $\mathbf{4 2 5 2 3 6 4}$ | May 3, 2010 | May 3, 2012 | 16 | 256 | $\$ 6,400$ | Lower Manitou <br> Lake Area |
| $\mathbf{4 2 5 2 3 6 5}$ | May 3, 2010 | May 3, 2012 | 6 | 96 | $\$ 2,400$ | Lower Manitou <br> Lake Area |
| $\mathbf{4 2 5 2 3 6 7}$ | May 3, 2010 | May 3, 2012 | 14 | 224 | $\$ 5,600$ | Lower Manitou <br> Lake Area |
| $\mathbf{4 2 5 6 9 3 2}$ | May 10, 2010 | May 10, 2012 | 16 | 256 | $\$ 6,400$ | Harper Lake <br> Area |
| $\mathbf{4 2 5 6 9 3 3}$ | May 10, 2010 | May 10, 2012 | 6 | 96 | $\$ 2,400$ | Harper Lake <br> Area |
| $\mathbf{4 2 5 6 9 3 4}$ | May 10, 2010 | May 10, 2012 | 16 | 256 | $\$ 6,400$ | Harper Lake <br> Area |
| $\mathbf{4 2 5 6 9 3 1}$ | May 17, 2010 | May 17, 2012 | 16 | 256 | $\$ 6,400$ | Harper Lake <br> Area |
| $\mathbf{4 2 5 6 9 6 0}$ | Nov 29, 2010 | Nov 29, 2012 | 6 | 96 | $\$ 2,400$ | Lower Manitou <br> Lake Area |



Figure 2.1 West Limb Property Claims

### 3.0 Climate, Local Resources, Infrastructure and Physiography

The climate of the Dryden - Manitou Lake area is typically continental in nature, with cold winters $\left(-1^{\circ} \mathrm{C}\right.$ to $\left.-30^{\circ} \mathrm{C}\right)$ and warm summers $\left(10^{\circ} \mathrm{C}\right.$ to $25^{\circ} \mathrm{C}$.). Annual precipitation averages 685 mm , about half in the form of snow. Seasonal variations affect exploration to some extent (geological mapping cannot be done in the winter, geophysics and drilling are best done at certain times of the year, etc.), but the climate will not significantly hamper mining operations.

The settlements of Dryden and Fort Frances are relatively close; these all have the necessary equipment and trained personnel to support exploration and mining activities. The property has very good access to infrastructure, as it is located approximately 120 km south of the trans-Canada Highway. The mineral rights held by Manitou Gold give them the right to mine ore discovered on their property, subject to a 400' surface rights reservation around all lakes and rivers, and a 300' surface reservation around major roads (this may be waived by the Crown).

The property has a gently rolling to locally rugged topography with maximum relief on the order of 100 m . Much of the region has been logged so present forests are typically second growth; mixtures of jack pine, spruce, birch and poplar are common.

### 4.0 Geological Setting

### 4.1 Regional and Property Geology

The West Limb Property is located within the western margin of the Eagle-Wabigoon-Manitou Lakes greenstone belt and straddles portions of the Lower Manitou Lake and Harper Lake Areas in Northwestern Ontario. Regional geological mapping in the area was carried out by Thompson (1933) and Blackburn (Blackburn, 1979 \& 1982). The most recent compilation map is of the Kenora-Fort Frances area, compiled from mapping in the 1970's by Blackburn (Blackburn 1982).

The Property is located in western Wabigoon sub-province of the Superior Province in the Canadian Shield. The area is underlain by Precambrian rocks. The bedrock geology is described in the O.G.S. Report 202 (1981) by C. Blackburn and Thompson (1933). The Wabigoon sub-province contains several Archean greenstone belts, including the Eagle-Wabigoon-Manitou Lakes greenstone belt. This greenstone belt trends northeast, is Archean in age, and is bounded by younger Archean granitoid intrusives; to the northwest by the Atikwa granitoid batholith and on the southeast by the Irene-Eltrut Lakes batholith, and the Meggisi granitoid pluton. The greenstone belt consists mainly of a thick sequence of mafic to felsic flows and pyroclastic rocks with minor volcaniclastic rocks and a sequence of sedimentary rocks with lesser mafic to felsic stocks and sills. The northeast-trending, steeply southeast-dipping Manitou Straits Fault ("MSF") has been mapped through the centre of the western portion of the belt for approximately 50 km ., and bisects the greenstone belt. It is located just to the east of Upper and Lower Manitou Lakes, and passes to the east of the Property. Immediately to the west of the Manitou Straits Fault is the sub-parallel Manitou Anticline, which has been traced for approximately 30 km through the Manitou Lakes area. The West Limb Property lies on the western limb of the Manitou Anticline.

The property is mainly underlain by basalts of the Blanchard Lake Group (Blackburn, 1979). The Blanchard Lake Basalts occupy the core of the Manitou anticline and are predominantly fine to medium grained flow units. The western portion of the property is composed of a mixed sequence of massive, locally porphyritic, mafic flows and intermediate pyroclastics. Thin felsic porphyry dykes were noted in several locations

### 4.2 Mineralization and Model

The Manitou Lakes area has been the scene of mining exploration for almost a hundred years. In this time numerous gold prospects have been discovered. Gold occurrences in the area are variously in quartz veins, shears, and sulphide zones. Mineralization associated with the gold occurrences is pyrite, chalcopyrite, pyrrhotite, sphalerite, and galena/telluride. Alteration products include iron carbonate, chlorite, calcite, sericite, silica, and anthophyllite (Delisle 1990).

Gold deposits in the area are typical of Archean lode-gold deposits, and work by the OGS has indicated that almost all of the gold deposits in the Manitou Lakes area are controlled by shear and fracture zones which appear to be regionally related to movement along the Manitou Straits Fault. Gold-bearing quartz veins are commonly controlled by northeast- and east-trending shear zones which may be secondary shear bands subparallel to the shear boundaries of the Manitou Straits Fault. Most of the shearing and fracturing was developed after the emplacement of the Atikwa Batholith. However, there are other occurrences of gold mineralization that appear to be stratigraphically controlled, and possibly genetically related to volcanism (Parker, 1989).

Davis and Smith (1991) indicate that the gold occurring in faults, shears, and tension veins developed in response to a late Archean northwest-directed contraction and emplacement of contemporaneous plutons, such as the Atikwa Batholith. Their work indicated that gold mineralization was closely linked in time to the emplacement of late intrusions and was likely a short-lived event that occurred at about 2709 Ma.

The West Limb Property is located southeast of the Atikwa Batholith, northwest of the Miggisi Pluton and is proximal to the Manitou Anticline and the Manitou Straits Fault. There is excellent potential for gold mineralization in quartz veins related to shearing and fracturing caused by the emplacement of a late pluton.


Figure 4.1: Regional Geology of the West Limb Property

### 5.0 Exploration History

There have been several periods of exploration activity in the general area of the claims. The history of gold occurrences within the property boundary date back at least to the first geological survey in the area (McInnes, 1902). Historical fieldwork was performed between 1896 and 1898. Government work in the form of geological mapping was carried out by the Ontario Department of Mines in 1933 (Thomson, 1033) and by the Ontario Geological Survey by C. Blackburn in 1979 (Blackburn, 1979, 1981). Airborne magnetic and electromagnetic surveys were completed over the area in 1980 and 2001 (OGS 1980, 2001). The following is a summary of exploration work carried out over various prospects on the current West Limb Property.

Several historic gold showings exist on the West Limb Property. The Dryden-Red Lake Occurrence (also referred to as the Main Showing) located in the south portion of the property, the Gold Rock Mine at the north end of the property (in 1930's produced $\$ 723$ worth of Au from 300 tons milled) and the Reliance Prospect on the eastern portion of the Property have various degrees of historical mining and exploration. The 20th Century Mine is located near the northeastern boundary of the property ( 2000 oz Au in 1903 from 8,688 tons milled), but was not located or sampled during this prospecting program. The Swede Boy showing exists on six patented claims internal to the central part of the property and is not a part of the West Limb Property claims (Figure 2.1).

Though small historic mining operations were active in the early part of the century on and adjacent to the property, little modern exploration work has been performed on the various showings throughout the property. All of the above mentioned showings, with the exception of the 20th Century Mine and the Swede Boys showing, as well as several other prospective looking targets, were visited and sampled in late July, 2011 as part of a first pass prospecting program carried out by Manitou Gold Inc. Significant gold values were returned from grab samples collected from various areas located across the property.

The Twentiety Century Mine was developed during the period 1900 to 1904 (Carter, 19021905). The property was acquired by Twentieth Century Mining Company Limited which sank the main shaft to a depth of 389 feet with 470 feet of drifting and 440 feet of crosscutting between 1901 and 1903 (MDI file MDI52F07SW00006). A second shaft, 50 feet east of the main shaft was sunk to a depth of 50 feet. Between 1902 and 1903 a twenty stamp mill was installed and total production from the mine was approximately 2492 ounces of gold from 8688 tons of ore, grading an average of 0.29 ounce per ton gold (Carter 1904, 1905). Lenticular quartz veins and stringers up to 25 feet ( 7.6 m ) in width lie parallel to regional east-west foliation in the mafic volcanic rocks (Carter 1902-1905). Blackburn (1976) visited the mine and reported that the mine dump contained predominantly mafic metavolcanic rocks and felsic dyke rocks, with lesser amounts of quartz vein material. Minor amounts of pyrite, chalcopyrite, tourmaline, fuchsite, calcite and possible hematite and garnet were also noted in the quartz veins (Blackburn, 1976)

The Dryden/Red Lake Occurrence, historically referred to as the Dryden-Red Lake Prospecting Partnership Property was visited by Thompson (1933). Numerous trenches were located, and a chip sample across an 8 foot portion of quartz and schist from one of the pits assayed $\$ 1.00$ per
ton gold and another across a 4 foot portion assayed $\$ 12.80$ per ton gold (In 1933, the price of gold was $\$ 28.60$ per ounce). The claims were later patented and became HP 303, 306, 308 and 363. In 1982 the patents had lapsed. In 1987 Doug Nelson and E Burwash, two geologists from Edmonton Alberta, staked the property, and over a period of three years (1987-1989) carried out a geological mapping, rock sampling and soil sampling program. Nelson and Burwash's best assay was a chip sample with a weighted average of $0.33 \mathrm{oz} /$ ton over 2.3 meters (Bjorkman, 2004).

The Gold Rock Mine, also referred to as the Haycock Occurrence on historical mining location D141 is located on the western shore of Upper Manitou Lake within the Harper Lake Area. Under the direction by E.B. Haycock of Ottawa, the Gold Rock Mine consisted of a Tremaine mill reported to have cost $\$ 1,800$ that could treat 6 tons/day. Exploration on the property included various shafts sunk from ten to twenty feet deep (3 to 6 metres) on two veins near the mill (Coleman, 1896). About 18 tons of material was milled in 1896. At the same time several small quartz veins near the mill were investigated (Coleman, 1896). There is no other report on the property until it was reactivated in 1928 by the Gold Rock Mining Syndicate, Limited who optioned the property from Haycock Estate. Gold Rock Mines, Limited was organized in 1929 and they took over five groups of claims from the Gold Rock Mining Syndicate (Thomson, 1933). Camps were erected to accommodate 40 men, and all the necessary mining buildings, including a 2 -stamp mill were erected (Thomson, 1933). The old shaft was deepened to 100 feet, and 170 feet of drifting was done (Thomson, 1933). In 1929, 300 tons of ore were put through the mill as a test run, which yielded 35 ounces of gold, and 5 ounces of silver for a total value of $\$ 726$ (Blackburn, 1979).

The Reliance prospect, known formally as the Westerfield mine and the Independence mine, is located on the eastern portion of the current West Limb Property Claims. Between the years 1896 and 1900 seven exploration shafts were sunk on a prominent shear on the Reliance property (Leonard, 1983). In 1903 the Reliance Gold Mining Co. sank the No. 2 shaft to a depth of 97 feet and completed 150 ft . of drifting at the 80 ft . level (MDI File, MDI52F07SW00009). There are no assay values available from this period. In 1922, the mine was acquired by the Dryden Gold Corp. of New York, and two shafts were dewatered and retimbered, but the ground was abandoned in 1925 (MDI File, MDI52F07SW00009). A grab sample taken in 1932 by Thomson from beside the No. 1 shaft is reported to have assayed $\$ 4.00$ per ton in gold (Thomson, 1933). A quartz vein, which is not well exposed at the surface, has been traced along a sheared zone by shafts and test pits for a distance of about 800 ft . The sheared zone strikes $\mathrm{N} 15^{\circ} \mathrm{E}$ and dips $60^{\circ}$ to $75^{\circ}$ S.E (Thomson, 1933). The vein material consists of fractured quartz containing a little tourmaline and schist. The included schist carries pyrite and sometimes traces of pyrrhotite, chalcopyrite and sphalerite. The wall rock is a carbonated chlorite schist. The claim is largely covered by massive andesite which is intruded by an occasional aplite dyke. A small stock of granite occurs nearby on Carlton Lake. (Thomson, 1933).

In 1982, St. Joe Canada Inc optioned the Reliance property from M. Woitowicz and completed an exploration program consisting of line cutting, geological mapping, prospecting, and geochemical surveys as well as diamond drilling and detailed IP and Magnetometre surveys across the Reliance shaft areas (Leonard, 1983). Between 1982 and 1985, St. Joe completed
several exploration programs, including 16 diamond drill holes totaling 1830 m across the Reliance zone (Bohan, 1990).

In 2004 Karl Bjorkman, along with other members of the Bjorkman family completed a prospecting and sampling program over the current West Limb Property. Particular focus was given to obtaining current UTM coordinates for the historical gold showings, as well as sampling the Dryden-Red Lake occurrence, the $20^{\text {th }}$ Century Mine and the Swede Boys showing.

In 2005-2006, Rubicon Mineral Corporation optioned the property from Karl Bjorkman and carried out a geological mapping and prospecting program followed by a mechanical stripping and sampling program over the various gold zones located on the Property. Focus was give to the Dryden-Red Lake Occurrence (Hoffe, 2006). This program outlined several gold occurrences across the property and identified many areas with grab samples returning anomalous to high grade gold values. Further work recommended by this exploration program included a regional property wide evaluation consisting of additional grab sampling and soil sampling programs as well as a shoreline prospecting and geological mapping program to evaluate additional gold occurrences.

### 6.0 Current Program

From July 20 to August 3, 2011 an exploration program consisting of prospecting and sampling was carried out over the West Limb Property in northwestern Ontario (Figure 1.1) by Manitou Gold Inc. A total of 139 samples were collected over the Property in 2011, and prospecting was carried out over 15 days for a total of 34 man days. The samples were submitted to ALS Chemex Laboratory for analysis. Program planning and supervision was provided by Todd Keast, P. Geo. Sampling was carried out by David Healey, William Zurbrigg, Tamara Taras, Bob Bailey, Lila Dolansky and Dave Marion. Karen Kettles, P. Geo. prepared initial maps of the property for prospecting in July, as well as completing the final maps. Tamara Taras completed the report writing.

The work was designed as a preliminary evaluation of the West Limb Property. The prospecting and sampling focused on showings identified by previous operators, and also continued away from the showings along preferred structures. The purpose of the program was to confirm the presence and nature of the showings, and to aid in prioritizing areas for further exploration.

This report documents the work that was undertaken and the results obtained from this preliminary exploration program.

### 6.1 Sample Collection, Preparation, Analysis, and Security

In conducting the exploration work set out above, the Corporation maintained all samples within its possession until transport to the laboratory. Grab samples were placed in plastic bags with the corresponding identification tags and the bags were also numbered. The bags were then tied securely and eventually placed in bags for transport to the sample preparation facility.

All samples were located using handheld GPS units. The locations of the samples are in UTM NAD 83 Zone 15 coordinates, northern hemisphere, and are given in Appendix I; sample locations are plotted on Map 1, Map 2 and Map 3 (back pocket) and shown generally on Figure 7.1.

Samples were analyzed by ALS Chemex, an ISO 9001:2000 accredited company with a worldwide chain of laboratories. The Corporation delivered the samples to ALS's sample preparation facility in Thunder Bay. Samples were dried, crushed to \#10 mesh ( $<2 \mathrm{~mm}$ ), and then a 250 g split was pulverized to 75 microns. 100 g of pulverized material was then sent to ALS’s analytical facility in Vancouver, British Columbia. Gold was analyzed by fire assay with an AAS finish, using 30 g samples. ALS has an internal QA/QC procedure of regularly re-analyzing selected samples, as well as inserting internal standards and blanks. The certificates of the assay results for the grab samples are included in Appendix II.

### 7.0 Results

The early stage exploration program on the West Limb Property consisted of prospecting and sampling to determine if gold is present in the system. Prospecting and sampling for gold is dependent upon outcrop distribution, the relative small size of the sample collected in relation to size of the outcrop/zone, and the "nuggety" distribution of the individual grains of gold in the outcrop. The density of grab samples collected was controlled mainly by outcrop density and to a lesser extent by the distribution of mineralization, and thus cannot be consistent. As well, anomalous samples are difficult to ascertain as the objective was to sample mineralized rocks, in general, rocks with low background values would not be sampled. An arbitrary value of $0.25 \mathrm{~g} / \mathrm{t}$ was used to determine samples that are anomalous.

From the 139 samples that were collected on the property, 35 samples returned assays of 0.25 $\mathrm{g} / \mathrm{t} \mathrm{Au}$ or higher and were considered anomalous (Table 7.1). Of the anomalous samples, 26 samples returned values greater than $1 \mathrm{~g} / \mathrm{t}$, and 12 of those returned values greater than $5 \mathrm{~g} / \mathrm{t}$ Au. Table 7.2 documents samples which returned values of gold greater than $5 \mathrm{~g} / \mathrm{t}$. The anomalous sample results and the distribution of them across the Property are documented in Figure 7.1.

The 2011 prospecting program outlined several different areas or zones on the Property with anomalous to high grade gold values, including the Dryden-Red Lake, the Gold Rock Mine, the Lacourse, the Road vein zone (located near Reliance) and the Reliance occurrence (Figure 7.1).

The Dryden Red Lake Occurrence consists of quartz veins contained within a sheared and altered mafic volcanic rock with varying degrees of silicification; Samples collected contained trace to $5 \%$ pyrite, trace chalcopyrite and minor tourmaline. Assays returned on grab samples from this zone ranged from nil to $32.3 \mathrm{~g} / \mathrm{t} \mathrm{Au}$.

The Gold Rock Mine gold zone occurs within a sheared and altered diorite as well as within a sheared and altered mafic volcanic rock with varying amounts of quartz veins and trace to $15 \%$
pyrite. Assays from grab samples collected from this area returned values ranging from nil to $37.8 \mathrm{~g} / \mathrm{t}$ Au.

The Lacourse zone occurs within quartz veins contained within an altered and variably sheared quartz diorite host. Samples collected contained trace to 7\% pyrite, trace chalcopyrite and locally minor to moderate chlorite and sericite. Grab samples collected from this zone returned nil to $5.17 \mathrm{~g} / \mathrm{t} \mathrm{Au}$.

The Road Vein Zone occurs within quartz veins contained within a chlorite schist host rock. Samples collected from this zone contained trace to $1 \%$ pyrite, trace chalcopyrite with minor malachite also noted. Assays ranged from $0.3 \mathrm{~g} / \mathrm{t}$ Au to $1.17 \mathrm{~g} / \mathrm{t} \mathrm{Au}$.

The Reliance Occurrence was found to be hosted within quartz veins in a variably sheared and altered mafic volcanic rock with local silicification. Grab samples contained trace to $30 \%$ pyrite, trace pyrrhotite, chalcopyrite, sphalarite and magnetite. Minor to moderate ankerite was also noted in several samples. Assays from various localities of this zone returned values ranging from nil to $9.7 \mathrm{~g} / \mathrm{t} \mathrm{Au}$.

Further work is needed to ascertain the extent and continuity of all of these zones.


Figure 7.1: West Limb Property 2011 sample locations and gold ranges.

Table 7.1: Summary of Anomalous Samples from the West Limb Property

| Sample ID | Zone/Area | UTM East | UTM North | Rock Type | Comments | Claim \# | $\begin{gathered} \mathrm{Au} \\ \mathrm{~g} / \mathrm{t} \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| K569656 | \#8 vein | 510186.0832 | 5466637.152 | qtz | blow? Rusty qtz, $<0.50 \%$ сру,py | 4256960 | 3.63 |
| K087660 | LaCourse | 509769.0002 | 5469885.001 | ?Qdio (?amph-qtz schist) w/QV | 7\% pyr (?float) | 4256934 | 3.44 |
| K569633 | Reliance D | 510575.2623 | 5466757.837 | Smky Qtz | Iron Staining 20- $30 \%$ Py | 4256960 | 2.91 |
| 1073871 | LaCourse | 509761.0017 | 5469897.998 | QV | float; QV; 1-2\% py abund green fibrous min (actinolite?) | 4256934 | 1.96 |
| K569650 | Reliance G | 510317.0932 | 5466632.153 | qtz muck | chunk rusty qtz, tr py | 4256960 | 1.8 |
| K569616 | Reliance A | 510563.9985 | 5466915.995 | Block in Muck Pile | White Sugary Qtz, $1 \% \mathrm{Py}$ | 4256960 | 1.725 |
| K569557 | Dryden- <br> Red Lake | 505862.0037 | 5463922.004 | Rusty QV within Zone | Tr - 5\% Py | 4248453 | 1.63 |
| K569618 | Reliance A | 510530.9986 | 5466915.995 | MV w. Mod Carb Ank | 3-5\% Py, Tr Сру | 4256960 | 1.44 |
| K569613 | Road Vein | 510167.9011 | 5466632.853 | Mass. Qv w. Iron Stain | Tr Py, Tr Cpy | 4256960 | 1.17 |
| K569655 | \#8 vein | 510186.0832 | 5466637.152 | qtz | blow? White qtz,tr po,py | 4256960 | 1.145 |
| K569649 | Reliance G | 510269.4075 | 5466645.19 | qtz muck | tiny rusty pieces qtz,1-2\%po,py | 4256960 | 1.11 |
| K569567 | 630m S of DryRed | 505661.003 | 5463297.002 | Qv w. Ank and Chl. | Tr - 2\% Py | 4248453 | 1.105 |
| K569552 | Dryden- <br> Red Lake | 505802.9964 | 5463984.002 | Qtz near pit | Tr Py, Cpy and Tour. | 4248453 | 1.1 |
| K087659 | LaCourse | 509786.0031 | 5469984.001 | $\begin{aligned} & \text { ?Qdio+ 3cm } \\ & \text { QV } \end{aligned}$ | 2-3\% pyr, tr cpy | 4256934 | 1.035 |
| K087429 | Gold Rock <br> Mine | 511063.004 | 5472350.999 | Diorite | $\begin{aligned} & \text { 15cm sugary QV, tr } \\ & \text { po,py } \end{aligned}$ | 4250274 | 0.63 |
| K569566 | 630m S of DryRed | 505658.9993 | 5463303 | Chl Schist w. Qtz | Tr-3\% py | 4248453 | 0.502 |
| K087575 | LaCourse | 509594.9964 | 5469704.997 | QV | wallrock mvsh tr-py | 4256934 | 0.45 |
| K569615 | Road Vein | 510173.8959 | 5466666.856 | Qv in Chl. Schist | Tr Py, Tr Mal. | 4256960 | 0.435 |
| K569565 | 630m S of DryRed | 505670.997 | 5463316.998 | Silic. MV, <br> Minor QV | Tr-1\%py | 4248453 | 0.419 |
| 1073873 | LaCourse | 509605.9963 | 5469803.997 | DIO?/QV | 2-3\% py; float | 4256934 | 0.398 |
| K569630 | Reliance C | 510492.004 | 5466703.998 | Qtz base of Muck Pile | Rusty, Sugary, 1-2\% Py | 4256960 | 0.366 |
| K569647 | Reliance G | 510344.0818 | 5466678.143 | qtz muck | 60\% sugary qtz, $<1 \%$ po,py mod carb | 4256960 | 0.345 |
| K569614 | Road Vein | 510168.8989 | 5466648.849 | $\begin{aligned} & 5-20 \mathrm{~cm} \\ & \text { Pinch/Swell } \end{aligned}$ | $\mathrm{Tr}-1 \% \mathrm{Py}$, Sheared Contorted Mv | 4256960 | 0.314 |

Table 7.2: Summary of Significant Assays from the West Limb Property

| Sample <br> ID | Zone/Area | UTM <br> East | UTM <br> North | Rock Type | Comments | Claim \# | Au <br> g/t |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | Gold Rock |  |  |  | $15 c m$ sugary QV, tr |  | 4250274 | 37.8

### 8.0 Recommendations and Conclusions

The 2011 Prospecting program on the West Limb Property was successful in confirming the presence of gold on previously discovered gold zones. Samples taken from these areas or zones returned anomalous to high grade gold values.

The Property needs to be mapped in detail, trenched, and sampled (channels and grabs) to determine the nature and extent of the mineralization. An IP survey is recommended over the area to aid in generating targets for drilling. The grid established for the IP survey should be sampled and mapped. If these programs are successful in delineating mineralization then a program of drilling is recommended.

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## Statement of Qualifications

I, Tamara L. Taras, of 517-100 Creek Bend Road, Winnipeg, Manitoba R2N 0G1 do herby certify that:

1) I am a graduate of the University of Manitoba and hold an Honours Bachelor of Science (Geological Sciences) Degree, 2010.
2) I am a Canadian Citizen.
3) I have been employed by Manitou Gold Inc. since 2009 and have worked in Ontario since that time.

Dated this $2^{\text {nd }}$ day of November, 2011.


Tamara L. Taras, BBc.

## APPENDIX I

## Sample Locations and Assays

| Sample ID | Zone | UTM East | UTM North | Rock Type | Comments | Claim \# | Aug/t |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1073869 | LaCourse | 509620 | 5470096 | QDIO? | 2-3\% py; no qv | 4256934 | 0.027 |
| 1073870 | LaCourse | 509732 | 5470002 | QDIO? | tr QVs; 1-3\% py cubes (float) | 4256934 | 0.018 |
| 1073871 | LaCourse | 509761 | 5469898 | QV | float; QV; 1-2\% py abund green fibrous min (actinolite?) | 4256934 | 1.96 |
| 1073872 | LaCourse | 509716 | 5469854 | QV/MV? | tr py; abund chlorite | 4256934 | 0.034 |
| 1073873 | LaCourse | 509606 | 5469804 | DIO?/QV | 2-3\% py; float | 4256934 | 0.398 |
| 1073874 | LaCourse | 509606 | 5469804 | QV | transparent; tr py | 4256934 | 0.005 |
| K087424 | Gold Rock Mine | 511014 | 5472395 | Diorite | Pit,1m sugary QV, tr py | 4250274 | <0.005 |
| K087425 | Gold Rock Mine | 511028 | 5472409 | Diorite | Pit,1m sugary QV, tr py | 4250274 | <0.005 |
| K087426 | Gold Rock Mine | 511028 | 5472410 | Diorite | Pit,1m sugary QV, tr py | 4250274 | <0.005 |
| K087427 | Gold Rock Mine | 511066 | 5472365 | Diorite | 25 cm white QV | 4250274 | $<0.005$ |
| K087428 | Gold Rock Mine | 511066 | 5472351 | Diorite | sheared dior,263'trend,1\% py | 4250274 | 0.006 |
| K087429 | Gold Rock Mine | 511063 | 5472351 | Diorite | 15 cm sugary QV, tr po,py | 4250274 | 0.63 |
| K087430 | Gold Rock Mine | 511062 | 5472351 | Diorite | 15 cm sugary QV, tr py,po | 4250274 | 37.8 |
| K087431 | Gold Rock Mine | 510857 | 5472351 | MV | contact,4-8cm QV, tr cpy,py | 4250274 | 0.005 |
| K087432 | Gold Rock Mine | 510858 | 5472351 | MV | 2-4cm rusty seam,3\% mt,4\% py | 4250274 | 0.005 |
| K087433 | Gold Rock Mine | 510863 | 5472358 | MV | muck,highgrade qtz, tr py | 4250274 | 0.013 |
| K087434 | Gold Rock Mine | 510863 | 5472358 | MV | muck,highgrade sil host, 1\% py | 4250274 | 0.005 |
| K087435 | Gold Rock Mine | 510837 | 5472345 | MV | MV with stringers,40\% qtz | 4250274 | 0.02 |
| K087436 | Gold Rock Mine | 510809 | 5472340 | Diorite | N-S vein mass dior,tr py | 4250274 | 0.008 |
| K087524 | Gold Rock Mine | 510963 | 5472282 | Qtz w. Chlor Alt | Tr py | 4250274 | <0.005 |
| K087525 | Gold Rock Mine | 511020 | 5472316 | Alt Mafic | 10-15\%py | 4250274 | 0.016 |
| K087526 | Gold Rock Mine | 511066 | 5472365 | Alt Volc. Ank. | Tr py VG? | 4250274 | <0.005 |
| K087527 | Gold Rock Mine | 511061 | 5472354 | Qtz w. Alt Mafic | 2-3\%py | 4250274 | 0.147 |
| K087528 | Gold Rock Mine | 511060 | 5472352 | Qtz w. Chlor Alt | Tr py | 4250274 | 0.009 |
| K087529 | Gold Rock Mine | 510858 | 5472352 | Soils | Tr py | 4250274 | 0.011 |
| K087530 | Gold Rock Mine | 510858 | 5472352 | Alt Diorite | 3-5\% ру,сру | 4250274 | <0.005 |
| K087531 | Gold Rock Mine | 510858 | 5472352 | QV | 1-3\%py | 4250274 | <0.005 |
| K087532 | Gold Rock Mine | 510868 | 5472354 | QV w.Volc. 50\%Qtz | 10-15\%py | 4250274 | $<0.005$ |
| K087533 | Gold Rock Mine | 510813 | 5472347 | QV SW of Pit \#3 | 5-7\%ру | 4250274 | 0.022 |
| K087561 | garnet bay area | 511050 | 5472352 | QV | tr py - hematite wallrock, diabase | 4250274 | 0.008 |
| K087571 | LaCourse | 509717 | 5470002 | diorite? | 1\% Py weak shear (weathered) | 4256934 | <0.005 |
| K087572 | LaCourse | 509770 | 5470001 | mvsh | very rusty (ser?) 3\% Py 3-5\%QV | 4256934 | 5.17 |


| K087573 | LaCourse | 509769 | 5469961 | shear with QV | diorite wall rock 2-3\% Py | 4256934 | 0.049 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| K087574 | LaCourse | 509607 | 5469716 | mvsh | 7-10\% Py, Cpy QV throughout area | 4256934 | 0.091 |
| K087575 | LaCourse | 509595 | 5469705 | QV | wallrock mvsh tr-py | 4256934 | 0.45 |
| K087576 | LaCourse | 509422 | 5469656 | Qdio? | w/QV 3-5\%Py | 4256934 | 0.007 |
| K087658 | LaCourse | 509662 | 5470061 | ?Qdio (chl-qtz schist) | 5\% pyr, tr cpy (?float) | 4256934 | 0.019 |
| K087659 | LaCourse | 509786 | 5469984 | ?Qdio+ 3cm QV | 2-3\% pyr, tr cpy | 4256934 | 1.035 |
| K087660 | LaCourse | 509769 | 5469885 | $\begin{aligned} & \text { ?Qdio (?amph-qtz schist) } \\ & \text { w/QV } \end{aligned}$ | 7\% pyr (?float) | 4256934 | 3.44 |
| K087661 | LaCourse | 509766 | 5469884 | ?Qdio (?amph-qtz schist) w/QV | 3-5\% pyr | 4256934 | 0.026 |
| K569552 | Dryden-Red Lake | 505803 | 5463984 | Qtz near pit | Tr Py, Cpy and Tour. | 4248453 | 1.1 |
| K569553 | Dryden-Red Lake | 505885 | 5463978 | Qtz vien near pit |  | 4248453 | 32.3 |
| K569554 | Dryden-Red Lake | 505868 | 5463928 | Cross cutting QV perp. To foliation | Tr Py, Cpy | 4248453 | 0.05 |
| K569555 | Dryden-Red Lake | 505860 | 5463927 | Sugary Qtz 50cm vien | Tr Py | 4248453 | 6.76 |
| K569556 | Dryden-Red Lake | 505868 | 5463920 | 30 cm QV within Schistose Zone | Tr Py | 4248453 | 13.25 |
| K569557 | Dryden-Red Lake | 505862 | 5463922 | Rusty QV within Zone | Tr - 5\% Py | 4248453 | 1.63 |
| K569558 | Dryden-Red Lake | 505861 | 5463922 | $6-8 \mathrm{~cm}$ QV para. And perp. To foliation | Glassy Barren Qtz | 4248453 | 0.011 |
| K569559 | Dryden-Red Lake | 505856 | 5463897 | Qv | Glassy Barren Qtz | 4248453 | 0.017 |
| K569560 | west of Dry-Red | 505590 | 5463772 | Qtz Blowout | Sugary w. Tr py | 4248453 | <0.005 |
| K569561 | west of Dry-Red | 505367 | 5464050 | Qtz OC on trail | Qtz stringers in MV hostrock | 4248453 | <0.005 |
| K569563 | 630m S of DryRed | 505668 | 5463310 | QV w. Ank and MV | 3-5\% Py | 4248453 | 0.005 |
| K569564 | 630m S of DryRed | 505665 | 5463316 | Strongly Alt.MV w.Ank and Chl | 30\% Qtz, 2-3\% py | 4248453 | 0.025 |
| K569565 | 630m S of DryRed | 505671 | 5463317 | Silic. MV, Minor QV | Tr-1\%py | 4248453 | 0.419 |
| K569566 | 630m S of DryRed | 505659 | 5463303 | Chl Schist w. Qtz | Tr-3\% py | 4248453 | 0.502 |
| K569567 | 630m S of DryRed | 505661 | 5463297 | Qv w. Ank and Chl. | Tr - 2\% Py | 4248453 | 1.105 |
| K569568 | QV | 507386 | 5466035 | Qv 2\% in MV | Tr py, trending 40deg | 4252364 | 0.024 |
| K569569 | QV | 507378 | 5466044 | Alt MV w. Ank and amphib |  |  | $\begin{array}{r} 42523 \\ 64 \end{array}$ |
| K569570 | QV | 507610 | 5466311 | CGMV w. Qtz |  | 4252367 | <0.005 |
| K569571 | QV | 507414 | 5466781 | 50 cm QV | Glassy, Tr py | 4252367 | $<0.005$ |
| K569572 | Rubicon followup | 507414 | 5466781 | 50cm Qv w. iron Staining | Tr py | 4252367 | 0.009 |
| K569573 | Rubicon followup | 507414 | 5466776 | MV schist from Hanging wall | Tr -2\% py | 4252367 | 0.014 |


| K569574 | Rubicon followup | 507408 | 5466779 | Alt MV, 2\% Qtz | Intrusive?? Looks like Pyroxinite | 4252367 | 0.011 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| K569575 | Rubicon followup | 507386 | 5466754 | MV schist, 5\% Qtz, | Carbonate and Ank Alt | 4252367 | 0.207 |
| K569576 | Rubicon followup | 507403 | 5466868 | QV w. MV host | Carbonate and Ank Alt | 4252367 | <0.005 |
| K569577 | Swede Boys south? | 507411 | 5466871 | Qtz Breccia w. Silic. Host | Tr-2\% Py | 4252367 | <0.005 |
| K569578 | Swede Boys south? | 507342 | 5466875 | Ang. Blk. 85\%Qtz | Weak Carbonate, 2-3\% py, tr cpy | 4252367 | 0.008 |
| K569579 | Swede Boys south? | 507342 | 5466661 | Qv | Chl, Carb, Ank alteration | 4252367 | 0.024 |
| K569580 | main trend? | 507342 | 5466664 | Ang. Blk from OC | Weakly alt, silic, 1-2\% py | 4252367 | 0.058 |
| K569581 | main trend? | 507349 | 5466570 | Qv | . $3 \mathrm{~m}-2 \mathrm{~m}$ Bull Qtz in MV | 4252367 | <0.005 |
| K569582 | main trend? | 507225 | 5466220 | Qv | Glassy Barren Qtz | 4252367 | <0.005 |
| K569583 |  | 507057 | 5465795 | 3 cm Qv | Weak Iron Stain, Tr-1\% py | 4252364 | 0.021 |
| K569584 | main trend? | 506947 | 5465536 | Sheared MV | Strong Carb and Amphib. 10\%Qtz | 4252364 | 0.009 |
| K569585 | main trend? | 506934 | 5465520 | Silic. MV, Minor QV | Tr-2\% py | 4252364 | <0.005 |
| K569586 | main trend? | 506878 | 5465475 | Sheared MV | Strong Carb and Mica, Tr py | 4252364 | 0.006 |
| K569587 | main trend? | 506658 | 5464820 | Pyroxinitic Host w. Feldspar Pheno. | Tr py | 4252364 | 0.006 |
| K569588 | main trend? | 506651 | 5464820 | Silic.Host | Diss. Py 3-5\% Iron Staining | 4252364 | 0.018 |
| K569589 | main trend? | 506652 | 5464817 | Irreg Qv | Tr py | 4252364 | <0.005 |
| K569590 | main trend? | 506625 | 5464774 | Qtz Blowout | Iron Staining | 4252364 | <0.005 |
| K569591 |  | 505950 | 5464152 | mass MV | qtz blow , tr py | 4248453 | <0.005 |
| K569602 | Reliance? | 510166 | 5466719 | Ser. Schist w. 2-4cmQv | Tr Py in Host, Tr Py in Qtz | 4256960 | 5.64 |
| K569603 | Reliance? | 510166 | 5466724 | Chl Carb Schist w. Qtz V | Tr-2\% py | 4256960 | 0.005 |
| K569604 | Reliance? | 510167 | 5466739 | 2-5m Blowout in vien | Sugary, Glassy, Barren | 4256960 | <0.005 |
| K569605 | Reliance? | 510167 | 5466751 | Chl. Schist w. Qtz | Dup. Rubicon Sample | 4256960 | <0.005 |
| K569606 | Reliance? | 510159 | 5466777 | Silic. Sericite Schist w. Qtz eyes | Tr Py | 4256960 | <0.005 |
| K569607 | Love Vein | 510121 | 5466848 | Mass. Qv | Tr Py | 4256960 | 0.01 |
| K569608 | Love Vein | 510139 | 5466835 | Mass. Qv | Glassy, Iron Stain, Tr Py | 4256960 | 0.044 |
| K569609 | Love Vein | 510121 | 5466850 | Alt MV Host, Strong Carb |  | 4256960 | <0.005 |
| K569610 | Love Vein | 510109 | 5466823 | QV w. Chl Schist Host | Carb, Tr Py | 4256960 | <0.005 |
| K569611 | Love Vein | 510114 | 5466847 | Chl. Schist w. Qtz | Med. Carb | 4256960 | <0.005 |
| K569612 | Reliance? | 510140 | 5466778 | Silic. Alt MV | Tr-1\%py | 4256960 | <0.005 |
| K569613 | Road Vein | 510168 | 5466633 | Mass. Qv w. Iron Stain | Tr Py, Tr Cpy | 4256960 | 1.17 |
| K569614 | Road Vein | 510169 | 5466649 | 5-20cm Pinch/Swell | Tr-1\% Py, Sheared Contorted Mv | 4256960 | 0.314 |
| K569615 | Road Vein | 510174 | 5466667 | Qv in Chl. Schist | Tr Py, Tr Mal. | 4256960 | 0.435 |


| K569616 | Reliance A | 510564 | 5466916 | Block in Muck Pile | White Sugary Qtz, 1\%Py | 4256960 | 1.725 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| K569617 | Reliance A | 510534 | 5466916 | Sheared Qtz Block | Host 2-4\% Py, Qtz Tr Py | 4256960 | 5.43 |
| K569618 | Reliance A | 510531 | 5466916 | MV w. Mod Carb Ank | 3-5\% Py, Tr Cpy | 4256960 | 1.44 |
| K569619 | Reliance A | 510529 | 5466916 | Rusty Qv from Muck Pile | Alt. Mv inclusions, Tr-3\% Py | 4256960 | 7.36 |
| K569620 | Reliance A | 510524 | 5466922 | Muck, Host | Silic. Mod. Carb | 4256960 | 0.024 |
| K569621 | Reliance A | 510524 | 5466922 | Silic-Chl schist | 5-7\% cubic Py | 4256960 | 0.117 |
| K569622 | Reliance B | 510519 | 5466755 | Rusty, Sugary Qtz | 1-2\% Py, sphl. , Сру | 4256960 | 0.042 |
| K569623 | Reliance B | 510519 | 5466785 | Rusty, Sugary Qtz | 2\%Sph, 1\% Py, Сру | 4256960 | <0.005 |
| K569624 | Reliance B | 510518 | 5466776 | Dark, Smky Qtz | Sugary, Tr-2\% | 4256960 | 0.006 |
| K569625 | Reliance B | 510514 | 5466780 | Rusty Qtz | Tr Py | 4256960 | <0.005 |
| K569626 | Reliance B | 510518 | 5466776 | Fg MV | Bleb-Diss Po along fol. 1-2\% | 4256960 | <0.005 |
| K569627 | Reliance C | 510502 | 5466707 | Rusty Sheared Qtz | 10\%Qtz, Tr Py | 4256960 | 0.161 |
| K569628 | Reliance C | 510502 | 5466707 | Qv 30-40cm | Tr Py, Tr Cpy | 4256960 | 0.117 |
| K569629 | Reliance C | 510504 | 5466702 | MV host w. less than $10 \%$ Qtz | 20-30\% Py, Tr Cpy | 4256960 | 0.082 |
| K569630 | Reliance C | 510492 | 5466704 | Qtz base of Muck Pile | Rusty, Sugary, 1-2\% Py | 4256960 | 0.366 |
| K569631 | Reliance C | 510502 | 5466695 | 30 cm Qtz V | Rusty, Sugary, 3-5\% Py | 4256960 | 0.047 |
| K569632 | Reliance C | 510501 | 5466705 | Sil, Alt MV | 15-20\% Py | 4256960 | 9.7 |
| K569633 | Reliance D | 510575 | 5466758 | Smky Qtz | Iron Staining 20-30\% Py | 4256960 | 2.91 |
| K569634 | Reliance D | 510497 | 5466650 | Qv w. Iron Stain | Alt Mv Inclusions, Tr Py | 4256960 | 0.026 |
| K569635 | Reliance D | 510502 | 5466651 | Qv w. Alt MV Host | Ank, Chl, 3-5\% Py | 4256960 | 0.066 |
| K569636 | Reliance E | 510569 | 5467265 | White Qtz | Iron Staining along Frac. | 4256960 | 0.014 |
| K569637 | Reliance E | 510569 | 5467265 | Qtz | Iron Staining along Frac. | 4256960 | 0.046 |
| K569638 | Reliance E | 510572 | 5467285 | Qv (in place?) | Tr Py | 4256960 | <0.005 |
| K569639 | Reliance E | 510572 | 5467285 | Alt MV | Ank, Mod Carb, 10-20\% Qtz | 4256960 | 0.009 |
| K569640 | Reliance F | 510586 | 5466642 | Muck, Block | Rusty, Sugary Qtz Tr Py,Po | 4256960 | <0.005 |
| K569641 | Reliance F | 510586 | 5466642 | Muck, Alt MV host | 5-7\% Po,Py, Tr Cpy, Med mag. | 4256960 | 0.008 |
| K569642 | Reliance F | 510582 | 5466639 | Sheared MV host | 10\% Qtz,Ank, 3-5\%Po, Tr Py | 4256960 | 0.008 |
| K569643 | Reliance F | 510582 | 5466639 | Sheared MV host | 20-30\% Po, Tr Py | 4256960 | 0.005 |
| K569644 | Reliance F | 510582 | 5466639 | Rust Qtz from Muck | Tr Po, Tr Py | 4256960 | 0.008 |
| K569645 | Reliance F | 510582 | 5466639 | Rusty Qtz from Muck | 1\% Po, Py Strong Mag in places | 4256960 | <0.005 |
| K569646 | shear | 510475 | 5466749 | sheared MV | alt MV, tr py $25 \%$ qtz | 4256960 | 0.005 |
| K569647 | Reliance G | 510344 | 5466678 | qtz muck | $60 \%$ sugary qtz, $<1 \%$ po,py mod carb | 4256960 | 0.345 |
| K569648 | Reliance G | 510344 | 5466678 | qtz muck | 75\% glassey qtz,tr po | 4256960 | 0.056 |


| K569649 | Reliance G | 510269 | 5466645 | qtz muck | tiny rusty pieces qtz,1-2\%po,py | 4256960 | 1.11 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| K569650 | Reliance G | 510317 | 5466632 | qtz muck | chunk rusty qtz, tr py | 4256960 | 1.8 |
| K569651 | Reliance G | 510299 | 5466645 | qtz muck | qtz-carb,str carb, <1\% po,py | 4256960 | 0.071 |
| K569652 | Reliance G | 510340 | 5466678 | sil MV muck | sil MV,15\% qtz,1\%po,mod-carb | 4256960 | 0.101 |
| K569653 | Reliance G | 510339 | 5466678 | sil MV muck | sil MV,5\% qtz,1-2\%po,py,mod-carb | 4256960 | 0.081 |
| K569654 | FD | 510213 | 5466700 | FD | chunks qtz by OC,tr py,wk ank | 4256960 | <0.005 |
| K569655 | \#8 vein | 510186 | 5466637 | qtz | blow? White qtz,tr po,py | 4256960 | 1.145 |
| K569656 | \#8 vein | 510186 | 5466637 | qtz | blow? Rusty qtz, <0.50\%cpy,py | 4256960 | 3.63 |
| K569657 | \#8 vein | 510186 | 5466634 | qtz | rusty qtz, $<0.50 \%$ py | 4256960 | 7.98 |
| K569658 | \#8 vein | 510186 | 5466634 | ser schist | <1\% py, str fe, nil carb | 4256960 | 26.8 |
| K569659 | \#8 vein | 510187 | 5466637 | qtz | qtz and ser schist,1\% cpy,py | 4256960 | 13.75 |
| K569660 | QV | 510119 | 5466628 | qtz | rusty QV , tr cpy, mod fe | 4256960 | 0.027 |
| K569661 | QV | 510119 | 5466625 | qtz | rusty $\mathrm{QV}, 0 \% \mathrm{py}$, mod fe | 4256960 | 0.007 |

## APPENDIX II

## Assay Certificates

ALS Canada Ltd.
To. MANITOU GOLD INC

## CERTIFICATE TB11121757

## Project: <br> P.O. No.: <br> This report is for 36 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 30-JUN- 2011. <br> The following have access to data associated with this certificate: <br> TODD KEAST NAAZNIN PASTAKIA

|  | SAMPLE PREPARATION |
| :--- | :--- |
| ALS CODE | DESCRIPTION |
| WEI-21 | Received Sample Weight |
| LOG-22 | Sample login - Red w/o BarCode |
| CRU-31 | Fine crushing $-70 \%<2 \mathrm{~mm}$ |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| SPL-21 | Split sample - riffle splitter |
| PUL-32 | Pulverize 1000 g to $85 \%<75 \mathrm{um}$ |


|  | ANALYTICAL PROCEDURES |  |
| :--- | :--- | :--- |
| ALS CODE | DESCRIPTION | INSTRUMENT |
| Au-GRA21 | Au 30g FA-GRAV finish | WST- SIM |
| Au-AA23 | Au 30g FA- AA finish | AAS |

To: MANITOU GOLD INC
ATTN: TODD KEAST
101-957 CAMBRIAN HEIGHTS DRIVE SUDBURY ON P3C 5S5


Colin Ramshaw, Vancouver Laboratory Manager

TO: MANITOU GOLD INC 101-957 CAMBRIAN HEIGHTS DRIVE SUDBURY ON P3C 555

Page: 2 - A
Total \# Pages: 2 (A) Finalized Date: 29- JUL-2011 Account: MANGOL

| Sample Descriptlon | Method Analyte Units LOR | WEI- 21 Recva in kg 0.02 | $\begin{gathered} \text { Au- CRA } 21 \\ \text { Au } \\ \text { ppm } \\ 0.05 \end{gathered}$ | Au-AA23 <br> Au <br> ppm <br> 0.005 |
| :---: | :---: | :---: | :---: | :---: |
| K087401 |  | 1.64 |  | 1.805 |
| K087402 |  | 0.93 |  | 0.005 |
| K087403 |  | 1.80 |  | 0.075 |
| K087404 |  | 2.55 |  | 0.229 |
| K087405 |  | 2.33 |  | 0.118 |
| K087406 |  | 3.24 |  | 1.065 |
| K087407 |  | 2.57 |  | 0.099 |
| K087408 |  | 2.28 |  | 0.068 |
| K087409 |  | 2.58 |  | 0.231 |
| K087410 |  | 2.29 |  | 2.19 |
| K087411 |  | 2.71 |  | 1.515 |
| K087412 |  | 2.79 |  | 0.303 |
| K087413 |  | 2.57 |  | 0.015 |
| K087414 |  | 2.12 |  | 0.075 |
| K087415 |  | 1.99 |  | 0.388 |
| K087416 |  | 1.82 |  | 0.081 |
| K087417 |  | 1.37 |  | 0.133 |
| K087418 |  | 2.34 |  | 0.267 |
| K087419 |  | 1.25 |  | $<0.005$ |
| K087420 |  | 1.82 |  | 0.008 |
| K087421 |  | 2.76 |  | $<0.005$ |
| K087422 |  | 2.93 |  | 0.017 |
| K087423 |  | 3.05 |  | 0.565 |
| K087424 |  | 2.59 |  | $<0.005$ |
| K087425 |  | 2.01 |  | $<0.005$ |
| K087426 |  | 2.58 |  | <0.005 |
| K087427 |  | 2.31 |  | $<0.005$ |
| K087428 |  | 1.86 |  | 0.006 |
| K087429 |  | 1.79 |  | 0.630 |
| K087430 |  | 1.56 | 37.8 | > 10.0 |
| K087431 |  | 1.60 |  | 0.005 |
| K087432 |  | 1.76 |  | 0.005 |
| K087433 |  | 2.55 |  | 0.013 |
| K087434 |  | 2.39 |  | 0.005 |
| K087435 |  | 1.82 |  | 0.020 |
| K087436 |  | 1.76 |  | 0.008 |

ALS Canada Ltd.
To. MANITOU GOLD INC

## CERTIFICATE TB11121758

## Project: B.K-N.K-S.K- GOLD ROCK MINE <br> P.O. No.: <br> This report is for 32 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 2-JUL- 2011. <br> The following have access to data associated with this certificate: <br> TODD KEAST <br> NAAZNIN PASTAKIA

|  | SAMPLE PREPARATION |
| :--- | :--- |
| ALS CODE | DESCRIPTION |
| WEI-21 | Received Sample Weight |
| LOG-22 | Sample login - Red w/o BarCode |
| CRU-31 | Fine crushing $-70 \%<2 \mathrm{~mm}$ |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| SPL-21 | Split sample - riffle splitter |
| PUL- 32 | Pulverize 1000 g to $85 \%<75 \mathrm{um}$ |


| ANALYTICAL PROCEDURES |  |  |
| :--- | :--- | :--- |
| ALS CODE | DESCRIPTION | INSTRUMENT |
| $A u-A A 23$ | $A u 30 g$ FA- AA finish | AAS |

To: MANITOU GOLD INC
ATTN: TODD KEAST
101-957 CAMBRIAN HEIGHTS DRIVE SUDBURY ON P3C 5S5


Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H OA7
Phone: 6049840221

TO: MANITOU GOLD INC
101-957 CAMBRIAN HEIGHTS DRIVE SUDBURY ON P3C 555

Page: 2 - A
Total \# Pages: 2 (A) Finalized Date: 24- JUL-2011 Account: MANGOL

Project: B.K- N.K-S.K-GOLD ROCK MINE
CERTIFICATE OF ANALYSIS TB11121758


## CERTIFICATE TB11123554

## Project: BK- NK- SK GOLD ROCK MINE <br> P.O. No.:

This report is for 1 Soil sample submitted to our lab in Thunder Bay, ON, Canada on 2-JUL-2011.
The following have access to data associated with this certificate:

|  | SAMPLE PREPARATION |
| :--- | :--- |
| ALS CODE | DESCRIPTION |
| WEI-21 | Received Sample Weight |
| LOG-22 | Sample login - Red w/o BarCode |
| SCR-41 | Screen to -180 um and save both |



|  | ANALY-IICAL PROCEDURES |  |
| :--- | :--- | :--- |
| ALS CODE | DESCRIPTION | INSTRUMENT |
| Au- AA23 | Au 30 g FA- AA finish | AAS |

To: MANITOU GOLD INC
ATTN: TODD KEAST
101-957 CAMBRIAN HEIGHTS DRIVE SUDBURY ON P3C 5S5

Signature:


Colin Ramshaw, Vancouver Laboratory Manager

To: MANITOU GOLD INC 101-957 CAMBRIAN HEIGHTS DRIVE SUDBURY ON P3C 555

Page: 2-A
Total \# Pages: 2 (A) Finalized Date: 23-JUL- 2011 Account: MANGOL

Project: BK- NK- SK GOLD ROCK MINE minerals

| Method | WEl- 21 | Au-AA23 |
| :---: | :---: | :---: |
| Analyte | Recva W. | Au |
| Units | kg | Ppm |
| LOR | 0.02 | 0.005 |
|  | 0.81 | 0.011 |

ALS Canada Ltd.
To. MANITOU GOLD INC

## CERTIFICATE TB11134965

## Project: WEST LIMB <br> P.O. No.:

This report is for 6 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 21-AUG- 2011.
The following have access to data associated with this certificate:


|  | SAMPLE PREPARATION |
| :--- | :--- |
| ALS CODE | DESCRIPTION |
| WEI-21 | Received Sample Weight |
| LOG-22 | Sample login - Red w/o BarCode |
| CRU- 31 | Fine crushing $-70 \%<2 \mathrm{~mm}$ |
| SPL-21 | Split sample - riffle splitter |
| PUL- 32 | Pulverize 1000 g to $85 \%<75$ um |


|  | ANALY-IICAL PROCEDURES |  |
| :--- | :--- | :--- |
| ALS CODE | DESCRIPTION | INSTRUMENT |
| Au- GRA21 | Au 30g FA- GRAV finish | WST- SIM |
| Au-AA23 | Au 30g FA- AA finish | AAS |

To: MANITOU GOLD INC
ATTN: TAMARA TARAS
101-957 CAMBRIAN HEIGHTS DRIVE SUDBURY ON P3C 5S5


Colin Ramshaw, Vancouver Laboratory Manager

TO: MANITOU GOLD INC 101-957 CAMBRIAN HEIGHTS DRIVE SUDBURY ON P3C 555

Page: 2-A
Total \# Pages: 2 (A) Finalized Date: 14- SEP- 2011 Account: MANGOL

Project: WEST LIMB
minerals
CERTIFICATE OF ANALYSIS TB11134965


ALS Canada Ltd.
To. MANITOU GOLD INC

## minerals

## CERTIFICATE TB11142867

| Project: WEST LIMB |
| :--- |
| P.O. No.: |
| This report is for 42 Rock samples submitted to our lab in Thunder Bay, ON, Canada |
| on 27-JUL- 2011 . |
| The following have access to data associated with this certificate: <br> TODD KEAST |


|  | SAMPLE PREPARATION |
| :--- | :--- |
| ALS CODE | DESCRIPTION |
| WEI-21 | Received Sample Weight |
| LOG-22 | Sample login - Red wo Bar Code |
| CRU-31 | Fine crushing $-70 \%<2 \mathrm{~mm}$ |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| SPL-21 | Split sample - riffle splitter |
| PUL-32 | Pulverize 1000 g to $85 \%<75 \mathrm{um}$ |


|  | ANALYTICAL PROCEDURES |  |
| :--- | :--- | :--- |
| ALL CODE | DESCRIPTION | INSTRUMENT |
| Au-GRA21 | Au 30g FA- GRAV finish | CST- SIM |
| Au-AA23 | Au 30g FA- AA finish | ASS |

To: MANITOU GOLD INC
ATTN: TAMARA MARAS
101-957 CAMBRIAN HEIGHTS DRIVE SUDBURY ON P3C 5S5


Joyce Quiroz, Laboratory Manager, Reno

ALs minerals

TO: MANITOU GOLD INC
101-957 CAMBRIAN HEIGHTS DRIVE SUDBURY ON P3C 555

Page: 2-A
Total \# Pages: 3 (A) Finalized Date: 13-AUG-2011 Account: MANGOL

Project: WEST LIMB
CERTIFICATE OF ANALYSIS TB11142867

| Sample Descriptlon | Method Analyte Units LOR | WEI- 21 <br> Recva M . <br> kg <br> 0.02 | $\begin{gathered} \text { AU- GRA } 21 \\ \text { AU } \\ \text { ppm } \\ 0.05 \end{gathered}$ | Au- AA23 <br> Au ppm 0.005 |
| :---: | :---: | :---: | :---: | :---: |
| K569551 |  | 1.72 |  | 0.010 |
| K569552 |  | 2.00 |  | 1.100 |
| K569553 |  | 1.29 | 32.3 | > 10.0 |
| K569554 |  | 2.10 |  | 0.050 |
| K569555 |  | 1.33 |  | 6.76 |
| K569556 |  | 1.73 | 13.25 | >10.0 |
| K569557 |  | 1.62 |  | 1.630 |
| K569558 |  | 1.56 |  | 0.011 |
| K569559 |  | 1.03 |  | 0.017 |
| K569560 |  | 1.38 |  | $<0.005$ |
| K569561 |  | 0.92 |  | $<0.005$ |
| K569562 |  | 2.05 |  | $<0.005$ |
| K569563 |  | 1.89 |  | 0.005 |
| K569564 |  | 1.47 |  | 0.025 |
| K569565 |  | 1.47 |  | 0.419 |
| K569566 |  | 1.71 |  | 0.502 |
| K569567 |  | 1.52 |  | 1.105 |
| K569568 |  | 1.11 |  | 0.024 |
| K569569 |  | 2.02 |  | 0.012 |
| K569570 |  | 1.26 |  | $<0.005$ |
| K569571 |  | 1.37 |  | $<0.005$ |
| K569572 |  | 1.27 |  | 0.009 |
| K569573 |  | 1.70 |  | 0.014 |
| K569574 |  | 1.19 |  | 0.011 |
| K569575 |  | 1.65 |  | 0.207 |
| K569576 |  | 1.66 |  | $<0.005$ |
| K569577 |  | 1.71 |  | $<0.005$ |
| K569578 |  | 1.49 |  | 0.008 |
| K569579 |  | 2.07 |  | 0.024 |
| K569580 |  | 1.97 |  | 0.058 |
| K569581 |  | 1.38 |  | $<0.005$ |
| K569582 |  | 1.77 |  | $<0.005$ |
| K569583 |  | 1.56 |  | 0.021 |
| K569584 |  | 1.93 |  | 0.009 |
| K569585 |  | 1.85 |  | $<0.005$ |
| K569586 |  | 1.75 |  | 0.006 |
| K569587 |  | 1.93 |  | 0.006 |
| K569588 |  | 1.46 |  | 0.018 |
| K569589 |  | 1.56 |  | $<0.005$ |
| K569590 |  | 1.49 |  | <0.005 |

TO: MANITOU GOLD INC 101-957 CAMBRIAN HEIGHTS DRIVE SUDBURY ON P3C 555

Page: 3-A
Total \# Pages: 3 (A) Finalized Date: 13-AUG-2011 Account: MANGOL

Project: WEST LIMB minerals


ALS Canada Ltd.
To. MANITOU GOLD INC

## CERTIFICATE TB11146078

## Project: WEST LIMB CAN AMERICA <br> P.O. No.:

This report is for 16 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 29-JUL- 2011
The following have access to data associated with this certificate:


|  | SAMPLE PREPARATION |
| :--- | :--- |
| ILS CODE | DESCRIPTION |
| WEI- 21 | Received Sample Weight |
| LOG-22 | Sample login - Red wo BarCode |
| CRU-31 | Fine crushing $-70 \%<2 \mathrm{~mm}$ |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| SPL-21 | Split sample - riffle splitter |
| PUL- 32 | Pulverize 1000 g to $85 \%<75 \mathrm{um}$ |


| ANALYTICAL PROCEDURES |  |  |
| :--- | :--- | :--- |
| ALS CODE | DESCRIPTION | INSTRUMENT |
| Au-AA23 | Au 30g FA- AA finish | MAS |

To: MANITOU GOLD INC
ATTN: TAMARA TARES
101-957 CAMBRIAN HEIGHTS DRIVE SUDBURY ON P3C 5S5


Joyce Quiroz, Laboratory Manager, Reno


ALS Canada Ltd.
To. MANITOU GOLD INC

## CERTIFICATE TB11151600

## Project:

P.O. No.:

This report is for 69 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 5-AUG- 2011.
The following have access to data associated with this certificate:


|  | SAMPLE PREPARATION |
| :--- | :--- |
| ALS CODE | DESCRIPTION |
| WEI-21 | Received Sample Weight |
| LOG-22 | Sample login - Red w/o BarCode |
| CRU-31 | Fine crushing $-70 \%<2 \mathrm{~mm}$ |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| SPL-21 | Split sample - riffle splitter |
| PUL-32 | Pulverize 1000 g to $85 \%<75 \mathrm{um}$ |


|  | ANALYTICAL PROCEDURES |  |
| :--- | :--- | :--- |
| ALS CODE | DESCRIPTION | INSTRUMENT |
| Au-GRA21 | Au 30g FA-GRAV finish | WST- SIM |
| Au-AA23 | Au 30g FA- AA finish | AAS |

To: MANITOU GOLD INC
ATTN: TAMARA TARAS
101-957 CAMBRIAN HEIGHTS DRIVE SUDBURY ON P3C 5S5


Colin Ramshaw, Vancouver Laboratory Manager

| Sample Description | Method Analyte Units LOR | WEl- 21 <br> Recva Wh kg 0.02 | $\begin{gathered} \text { Au- CRA } 21 \\ \text { Au } \\ \text { ppm } \\ 0.05 \end{gathered}$ | $\begin{gathered} \text { Au- AA } 23 \\ \text { Au } \\ \text { ppm } \\ 0.005 \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
| K569593 |  | 1.95 |  | $<0.005$ |
| K569994 |  | 1.40 |  | <0.005 |
| K569595 |  | 2.27 |  | 0.008 |
| K569596 |  | 1.88 |  | 0.026 |
| K569597 |  | 1.79 |  | 0.038 |
| K569598 |  | 1.64 |  | 0.009 |
| K569599 |  | 1.47 |  | 0.211 |
| K569600 |  | 1.58 |  | 0.148 |
| K569601 |  | 2.45 |  | 0.063 |
| K569602 |  | 2.35 |  | 5.64 |
| K569603 |  | 1.98 |  | 0.005 |
| K569604 |  | 1.89 |  | $<0.005$ |
| K569605 |  | 1.71 |  | <0.005 |
| K569606 |  | 1.60 |  | $<0.005$ |
| K569607 |  | 2.40 |  | 0.010 |
| K569608 |  | 2.25 |  | 0.044 |
| K569609 |  | 2.29 |  | <0.005 |
| K569610 |  | 3.37 |  | <0.005 |
| K569611 |  | 1.66 |  | $<0.005$ |
| K569612 |  | 2.21 |  | $<0.005$ |
| K569613 |  | 1.51 |  | 1.170 |
| K569614 |  | 2.45 |  | 0.314 |
| K569615 |  | 1.96 |  | 0.435 |
| K569616 |  | 2.60 |  | 1.725 |
| K569617 |  | 2.40 |  | 5.43 |
| K569618 |  | 2.00 |  | 1.440 |
| K569619 |  | 2.53 |  | 7.36 |
| K569620 |  | 1.67 |  | 0.024 |
| K569621 |  | 2.51 |  | 0.117 |
| K569622 |  | 1.70 |  | 0.042 |
| K569623 |  | 2.33 |  | <0.005 |
| K569624 |  | 2.38 |  | 0.006 |
| K569625 |  | 2.04 |  | $<0.005$ |
| K569626 |  | 2.49 |  | $<0.005$ |
| K569627 |  | 1.65 |  | 0.161 |
| K569628 |  | 1.62 |  | 0.117 |
| K569629 |  | 2.86 |  | 0.082 |
| K569630 |  | 2.09 |  | 0.366 |
| K569631 |  | 1.79 |  | 0.047 |
| K569632 |  | 2.46 |  | 9.70 |

TO: MANITOU GOLD INC 101-957 CAMBRIAN HEIGHTS DRIVE SUDBURY ON P3C 555

Page: 3-A
Total \# Pages: 3 (A) Finalized Date: 31-AUG-2011 Account: MANGOL


ALS Canada Ltd.
To. MANITOU GOLD INC

## CERTIFICATE TB11158497

## Project: <br> P.O. No.: <br> This report is for 12 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 13-AUG-2011. <br> The following have access to data associated with this certificate: <br> 

|  | SAMPLE PREPARATION |
| :--- | :--- |
| ALS CODE | DESCRIPTION |
| WEI- 21 | Received Sample Weight |
| LOG-22 | Sample login - Red w/o BarCode |
| CRU-31 | Fine crushing $-70 \%<2 \mathrm{~mm}$ |
| CRU- QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| SPL-21 | Split sample - riffle splitter |
| PUL-32 | Pulverize 1000 g to $85 \%<75 \mathrm{um}$ |


| ANALYTICAL PROCEDURES |  |  |
| :--- | :--- | :--- |
| ALS CODE | DESCRIPTION | INSTRUMENT |
| $A u-A A 23$ | $A u 30 g$ FA- AA finish | AAS |

To: MANITOU GOLD INC
ATTN: TAMARA TARAS
101-957 CAMBRIAN HEIGHTS DRIVE
SUDBURY ON P3C 5S5


Colin Ramshaw, Vancouver Laboratory Manager

TO: MANITOU GOLD INC
101-957 CAMBRIAN HEIGHTS DRIVE SUDBURY ON P3C 555

Page: 2-A
Total \# Pages: 2 (A) Finalized Date: 12- SEP- 2011 Account: MANGOL





