We are committed to providing <u>accessible customer service</u>. If you need accessible formats or communications supports, please <u>contact us</u>.

Nous tenons à améliorer <u>l'accessibilité des services à la clientèle</u>. Si vous avez besoin de formats accessibles ou d'aide à la communication, veuillez <u>nous contacter</u>.





REPORT ON SAPAWE GOLD PROPERTY

2017 STRIPPING PROGRAM

2017

McCaul Township Area Thunder Bay District Ontario

NTS 52B/14SW

for

Pierre Gagné 580 New Vickers St. Thunder bay, Ontario. P7E 6P1

by

Mitch Dumoulin, Principal Geologist

July 01, 2017 Thunder Bay, Ontario

Contents

Summary	p.5
1. Introduction	p.5
2. Property Access and Location	p.7
3. Topography and Vegetation	p.7
4. Claims	p.8
5. History	p.9
6. Economic Geology	p.10
7. Stripping Work in the field	p.11
7a: Nature of the rock and characteristics of the stripped areas	
7b: Type of equipment used for the stripping program	
8. Local Geology in relation with Stripped Areas A, B and C	p.13
9. Sampling and Results	p.23
10. Costs of Stripping Work	p.25
11. Conclusion and Recommendations	p.28
References	p.29
Certificate of Qualifications	p.30

List of Figures

Figure 1: Sapawe Project Location Mapp.6
Figure 2: Sapawe Gold Property: Project Location Topographic Mapp.7
Figure 3: Sapawe Gold Property: Pierre Gagne Claims Location Mapp.8
Figure 4: Sapawe Stripped Areas Location Map (map 1:8000 in Appendix I)p.14
Figure 5: Sapawe Stripped Area A, structure and channel sample locationsp.15
Figure 6: Sapawe Stripped Area B, structure and channel sample locationp.16
Figure 7: Sapawe Stripped Area C, structure and channel sample locationp.17
Figure 8: Sampling on Stripped Area Ap.20
Figure 9: Stripping and Washing on Stripped Area Bp.21
Figure 10: Mapping and Samplingp.22

List of Tables

Table 1: Sapawe Property List of Claims
Table 2: List of Historical Deposits in the Atikokan Area
Table 3: List of Channel Samples taken out of Stripped Areas A, B and Cp.12
Table 4: Description of Channel Samples taken from Stripped Area Ap.18
Table 5: Description of Channel Samples taken from Stripped Area Cp.18
Table 6: Description of Channel Samples taken from Stripped Area Bp.19
Table 7: Table of Results from the 3 stripped Areas (Appendix III, certificates & results)p.24
Table 8: Daily Logs related to work performed by labors in the fieldp.25
8a: Daily logs for Gary Grenier related to his hours at operating the excavator
8b: Daily logs for Jerry Nichols for his hours in the field washing & cutting rocks
8c: Daily logs for Pierre Gagne for his supervising visit at the Property
8d: Daily logs for Mitch Dumoulin supervising the Sapawe Project
Table 9: Total Costs related to the Sapawe Stripping Programp.27

Appendix

Appendix I Map 1:8,000 - Sapawe Gold Property: Pierre Gagne Claims Location Map

- Appendix II Map 1:100 Stripped Area A Map 1:300 – Stripped Area B Map 1:125 – Stripped Area C
- Appendix III Certificates of Analysis of the channel sampling program
- Appendix IV Daily Logs of People involved on Sapawe Project
- Appendix V Invoices and Total Costs of Sapawe Program
- Appendix VI Specifications of Excavator Link Belt 160LX

Summary

The Sapawe property is located in the McCaul township of the Thunder Bay Mining Division, North West Ontario, Canada. The stripping program was carried out by Pierre Gagne Contracting Limited of Thunder Bay, Ontario, for Pierre Gagné's claims immediately east of the old Sapawe Gold Mine grounds nearby. The stripping work started on May 25th until June 30th when the report was finished for the three stripping areas named A, B and C on that report. All three stripped areas were opened on 15 units claim 4222971. The most notable stripped area is the C one that is located on the east extension of well know Ingham showing in this area. The mapping has been performed by a professional geologist contracted to Pierre Gagné, and 70 channel samples cut by rock saw were collected from these cleaned areas and sent to Actlabs Lab of Thunder Bay for analysis. The final costs all included amounted to \$53,558.70.

1. Introduction

Pierre Gagné's property is next to the old Sapawe Gold Mine, and is located in McCaul township of the Thunder Bay Mining Division north-east of Sapawe Lake, Province of Ontario, Canada (Figure 1). Three areas are expected to be stripped on the property starting on May 25th of 2017, to uncover the potential extensions of previously known mineralized structures from the former Atiko-Sapawe Gold Mine nearby, roughly one and two kilometers to the west. The purpose of this work is to map the uncovered rock and take specific channel samples on the main features. Once the physical work is done, an assessment report will be produced and file to MNDM in Sudbury.

Gary Grenier of Pierre Gagne Contracting Limited of Thunder Bay, Ontario is the operator of a <u>25 tonne Link Belt 160LX Excavator</u> to strip the three designed areas. Jerry Nicholls is in charge of washing the opened outcrops and cutting the channel sampling by rock saw after these intervals were marked up by the professional geologist in charge of the project. All samples will be taken by channel sampling with a rock saw and sent to Actlabs Activation of Thunder Bay for processing.



Figure 1: Sapawe Project Location Map

2. Property Access and Location

The Property is located in the McCaul Township, Thunder Bay Mining Division, and Northwestern Ontario, Canada. It is situated approximately 30 km east of the town of Atikokan and 200 km west of the city of Thunder Bay. The old Sapawe Gold Mine shaft is a good reference point and is centered on the UTM system Nad83, Zone 15 coordinates 618427E and 5405247N, on the National Topographic System ("NTS") map sheet 52B/14SW.

The access to the property is at the intersection of Highways 11 (Trans-Canada) and highway 623 (see Figure 2). The old mine is 3 kilometres north of highway 11 along highway 623 and turning west for 9 kilometres through the Sapawe Sawmill on the old gravelled mine road. All services such as water, supplies, manpower and hydro are available nearby.

3. Topography and Vegetation

The areas concerned by the stripping work is the same that of the ground surrounding the old Sapawe Gold Mine, which covers an area of moderate hills with frequent exposure of outcrops. The vegetation consists in a mix of spruces, young maple trees, tamarack and alder swamps. Water is abundant from the lakes and streams around and would easily supply a mining operation.



Figure 2: Sapawe Gold Property: Project Location Topographic Map

4. Claims

The Sapawe Property consists of 2 adjacent and contiguous unpatented mining claims.

Claim data is summarized in Table 1.



Figure 3: Sapawe Property: Pierre Gagne Claims Location Map

on-patented clai	113				
Township	Claim ID	Due Date	# Units	Area (Ha)	Due Work/Year
McCaul	4222971	10-Jul-17	15	240	\$6,000.00
Hutchinson	4272750	24-Sep-17	2	32	\$800.00
		Total	17	272	\$6,800.00

Un-natented Claims



5. History

- 1950-1966 Gold has been found on the property as early as the beginning of the 1900's years. In 1950 and 1961, different surface diamond drilling programmes delineated the mineral inventory of this area in the Atikokan gold camp of North West Ontario. Following this, a mineral inventory has been in the work and it resulted later in an estimated reserve of 138,000 tons grading 1.37 ounces of gold per ton and 189,060 troy ounces. Based on these reserves, a three compartment shaft was sunk to 550 feet in 1961, deepened to 1,015 feet in 1964. Several levels were developed from the shaft at 200 feet intervals. The first ore feed to the mill has been skipped in 1963 and continued to the end of 1966. In total, some 34,491 tons were milled and processed recovering 4,547 ounces of gold.
- 1974-1978 Periodic and limited geological and geophysical surveys were conducted on the property. Chester J. Kuryliw performed a geological mapping and magnetic survey in 1974 on the whole group of claims, and concluded that more detailed mapping was necessary in the vicinity of the shaft. Such a survey was conducted between June and October of 1976 a thousand feet south and 800 feet north of the mine shaft by Mr. Kuryliw then for Atiko Gold Mines Corp.
- 1979-1980 A group of interested investors brought back the project on the table and work of rehabilitation of the shaft took place with the help of contractors down level 2 to open for exploration.
- June 2010 A Magnetic and Time-Domain EM Helicopter-Borne Survey have been carried out over the property on Pierre Gagne claims of the Sapawe Gold Mine Property.
- June 2011 Two trenches were opened on Mammoth and Ingham showings on the south portion of Pierre Gagné's claims and north of Sapawe Lake. Thirty three samples were collected from these showing and sent to Actlabs Lab of Thunder Bay for analysis.

6. Economic Geology

At the old Sapawe Gold Mine, two phases of hydro-thermal activity are represented by white and blue quartz veins. They are believed to have formed during a time of similar structural deformation since the vein systems are overlapping. It has been indicated that the milky white quartz is in lense form from a few centimetres to 5 metres wide and up to 60 metres long while a later age blue quartz veining from a couple centimetres to 1.5 metre wide and up to 60 metres long is found along the same fractures as the white quartz.

From 1962 to 1966, underground development and stoping confirm that the main vein instead of being continuous occurs as a series of shoots lying en echelon, both in the vertical and horizontal planes. The shoots apparently plunge north 25 degrees west at 55 to 60 degrees.

Over the years, numerous geologists and engineers have made attempts to establish ore reserves on the Sapawe Gold Mine Property. Some 528,500 tons have been calculated at a cut-off grade of 9.65 grams per ton (0.31 oz/t) with a minimum width of 1.6 metres. It includes the main vein and parallel structures close to it, excluding the sulphide vein which assayed up to 340 g/t gold (10.9 oz/t) and 1,580 g/t (50.8 oz/t) silver over mineable width on the deepest level of the mine on level 920 (-280m).

NUMBER*	NAME OF DEPOSIT	STATUS**	ACCESSORY MINERALS	AVERAGE GRADE Au ^{††} (g/t) (ounce/ton)	REFERENCE
12	Atiko Gold mine Sapawe)	pp	ank, py, cp, sp, schee, Au	4.80 0.14	Riddell (1969, p. 52)
13	Day Lake occurrence	0	py, cp, gn	N.D. N.D.	
14	Snow Lake occurrence	* 0	py, cp, sp, gn	N.D. N.D.	
15	Tripp claims	Р	ank, py, gn	N.D. N.D.	
16	Golden Twins occurrence	Р	py, ank, cp, mo, gn, sp, asp	N.D. N.D.	
17	Rebair occurrence	Р	ank, py, cp	N.D. N.D.	
18	Elizabeth mine	pp	py, ank, cp, asp, schee	13.72 0.4	Tremblay (1940, p. 22)
19	Harold Lake mine	pp	py, ank, asp, cp, sp, gn, Au	20.23 0.59	Ferguson et al. (1971, p. 248)

DEPOSITS OF THE CONTACT ZONE TYPE

 Number: Occurrence located by number in Figure 12
Status: 0 = undeveloped occurrence p = partially developed or prospected occurrence pp = past producer
t Accessory Minerals: ank = ankerite; py = pyrite; asp = arsenopyrite; cp = chalcopyrite; sp = sphalerite; gn = galena; mo = molybdenite; schee = scheelite; and Au = visible gold
t N.D. = no data

Table 2: List of Historical Deposits in the Atikokan Area

7. Stripping Work in the Field

7a: Nature of the rock and characteristics of the stripped areas

The stripping and mapping work program was carried out by Pierre Gagné Contracting Limited of Thunder Bay, Ontario. Pierre Gagné contracted his own company to strip and clean three areas named A, B and C (Figure 4). Area A (Figure 5) was opened 23 meters long by 6 meters wide and next to it, stripped area B (Figure 6) uncovered the rock for 107 meters long with an average width of 12 meters. Finally, stripped area C (Figure 7) was partially opened to 17 meters long by roughly 12 meters wide. The stripping work started on May 25th until June 9th, 2017 followed by channel sampling ending on June 15th, 2017 after the geologist lithologically mapped all the stripped areas using a 50m tape, a rule and handheld GPS on UTM Nad83.

Stripped area A consists in a hard crystalline rock called tonalite that is in fact a granitic type of rock. A few fractures have been mapped on it, and it outcrops relatively flat on the whole surface of the stripping.

Stripped area B is the biggest surface opened of the 3 areas. It is on top of a hill and has been stripped also relatively flat although a near 2 meters denivelation at the south end. It comprises several fractures and faults but all the 3 rocks units seen on that outcrop are massive and consist in hard green fine grained gabbro, crystalline hard tonalite, pillowed aphanitic basalt, and also with a mafic dyke on the north half of it.

Stripped area C consists entirely as a pillowed basalt although altered with chlorite that is also massive the same as the other units. This is a small stripping with a few fractures and faults on flat surface.

7b: Type of equipment used for the stripping program

To strip the 3 areas mentioned above, a <u>25 tonne excavator-backhoe</u> <u>Link Belt 160LX</u> was used to strategically cross cut the geological units of those three trenches (see figure 9 below, and specifications of the excavator in Appendix VI).

A rock saw with a 14 inches diamond blade was used to cut 70 channel samples, half of them one meter long and the other half 0.5 meters where quartz veining is occurring. The groove left after the rock was cut is about 1.5 inches deep and 1.5 inches wide. The samples were then broken 1.0m or 0.5m and bagged with their corresponding sample tag (see figure 8 below).

Finally, a water pump (wajax pump) was used to clean the stripped areas with pressure water on the surface of the outcrops to get rid of as much debris as possible by one man operator moving the pump as necessary (see washing in action on figure 9 below).

The coordinates of these samples are showed in Table 3, as well as a brief description of the samples in Tables 4, 5 and 6, as well as with their gold (Au) values in table 7.

Field ID	Trench	Sample ID	Easting	Northing	Elevation	Field ID	Trench	Sample ID	Easting	Northing	Elevation
S A1	А	356051	619100.5	5405767.4	454	S B29	В	356086	619230.6	5405787.1	450
S A2	А	356052	619100.8	5405768.4	452	S B30	В	356087	619230.4	5405787.9	450
SA3	А	356053	619101.1	5405769.6	452	S B31	В	356088	619228.7	5405787.1	452
SA4	А	356054	619097.4	5405770.1	442	S B32	В	356089	619230.2	5405788.8	449
S A5	А	356055	619097.7	5405771.1	442	S B33	В	356090	619230.1	5405789.6	452
S A6	А	356056	619098.0	5405772.1	446	S B34	В	356091	619229.8	5405790.4	450
S A7	А	356057	619098.3	5405773.1	444	S B35	В	356092	619228.2	5405789.8	449
S B1	В	356058	619208.0	5405708.0	455	S B36	В	356093	619232.5	5405791.8	451
S B2	В	356059	619209.0	5405709.0	436	S B37	В	356094	619229.6	5405791.3	449
S B3	В	356060	619210.0	5405710.0	444	S B38	В	356095	619229.4	5405792.2	454
S B4	В	356061	619211.0	5405711.0	447	S B39	В	356096	619229.2	5405793.0	450
S B5	В	356062	619212.0	5405712.0	455	S B40	В	356097	619229.0	5405793.7	452
S B6	В	356063	619216.0	5405737.0	443	S B41	В	356098	619228.8	5405794.6	451
S B7	В	356064	619214.0	5405739.0	448	S B42	В	356099	619228.7	5405795.4	450
S B8	В	356065	619214.0	5405741.0	443	S B43	В	356000	619228.6	5405796.2	450
S B9	В	356066	619216.0	5405743.0	454	S B44	В	356001	619228.3	5405796.8	450
S B10	В	356067	619220.0	5405742.0	449	S B45	В	356002	619228.0	5405797.5	455
S B11	В	356068	619221.0	5405744.0	451	S B46	В	356003	619227.8	5405798.2	454
S B12	В	356069	619222.0	5405746.0	450	S C1	С	356004	619665.0	5404667.0	460.0
S B13	В	356070	619203.3	5405769.9	451	S C2	С	356005	619665.3	5404669.3	459.6
S B14	В	356071	619202.3	5405772.4	445	S C3	С	356006	619668.1	5404663.0	461.6
S B15	В	356072	619202.0	5405774.2	447	S C4	С	356007	619667.3	5404663.6	462.0
S B16	В	356073	619231.4	5404774.8	449	S C5	С	356008	619666.1	5404661.9	466.1
S B17	В	356074	619231.2	5405775.7	447	S C6	С	356009	619665.3	5404663.5	464.0
S B18	В	356075	619231.0	5405776.9	447	S C7	С	356010	619666.0	5404654.0	480.5
S B19	В	356076	619230.7	5405777.9	445	S C8	С	356011	619662.9	5404661.0	475.5
S B20	В	356077	619230.4	5405779.0	449	S C9	С	356012	619659.9	5404665.5	472.1
S B21	В	356078	619230.2	5405780.0	450	S C10	С	356013	619661.1	5404660.5	464.0
S B22	В	356079	619231.3	5405781.0	450	S C11	С	356014	619660.9	5404660.1	464.4
S B23	В	356080	619233.0	5405781.7	451	S C12	С	356015	619660.5	5404657.7	464.0
S B24	В	356081	619230.5	5405783.5	452	S C13	С	356016	619660.3	5404659.7	467.1
S B25	В	356082	619232.2	5405784.1	448	S C14	С	356017	619662.9	5404657.7	462.3
S B26	В	356083	619231.2	5405784.5	447	S C15	С	356018	619661.3	5404654.7	466.8
S B27	В	356084	619231.0	5405785.4	444	S C16	С	356019	619662.3	5404653.0	466.8
S B28	В	356085	619230.8	5405786.2	449	S C17	С	356020	619659.9	5404654.8	462.5

Table 3: List of channel samples taken out Stripped Areas A, B and C

8. Local Geology in relation with Stripped Areas A, B and C

Pierre Gagné's property is immediately East of the old Sapawe Gold Mine grounds however poorly geologically explored. It was expected to encounter similar rock units such as the old mine surroundings. The mine has produced roughly 4,900 ounces of gold between years 1963-1966.

The two first stripped areas were opened near the south shore of Osinawy Lake on the north portion of claim 4222971. Area A is represented by a tonalitic whitish felsic intrusive rock, possibly a trondjemite similar to the dominant rock at the Sapawe Mine. The rock is massive and medium to coarse grained rich in plagioclases mixed with 30% smokey quartz grains and 1-2% dark minerals. The joint system is modest with dominance at 120-128° in azimuth and steep dipping. Weaker fracturation is northerly between 002-008° azimuth and dipping 70-80°.

Area B interestingly shows a more complex geology with 4 different rock units. The major portion of the stripped outcrop demonstrates a play between a tonalite the same as area A, and a mafic intrusive rock with a grey-green colour and that is fine grained but more particularly massive and very hard. This has been called a gabbro but could also be called gabbroic basalt as described by Bernatchez, 1977. The joint pattern is mostly East-West 076°-090° for the 2 units with a strong fracture at 126° and local shearings in the middle gabbro. The most interesting part of the outcrop is the North end where the gabbro disappears to leave the place to a green and aphanitic massive pillowed basalt connected on its right edge by a sheared "zone" contact with another section of the tonalite at steep dipping and an azimuth of 346°. Parallel to this contact, another small shear zone developed in the tonalite with a narrow but continuous quartz vein cut to the south by the fourth unit of this outcrop and that consist in an intrusive basaltic dyke as explained by Bernatchez, 1977. Local veining also occurs in the sheared contact. Tighter sampling was designed on the vein to verify its potential for gold.

The third stripped area, area C, was only opened to 17 meters instead of the planned 60 meters but nevertheless revealed interesting features. This area is on the South-East portion of the property on the West extension of a well known gold showing called Ingham Vein. Gold values up to 6.70 grams per ton have been reported in previous work (Trenching Work Report, 2011). The outcrop consists essentially of fine grained to aphanitic green massive and pillowed mafic volcanic flows. There is a poor joint system parallel to the roughly East-West regional deformation at 100-134° azimuth, however strong shearing easterly including quartz veining 1-6" indicate that it could be associated with the Ingham Vein. A tight selective sampling was done along the veins. Figures 5 to 10 demonstrate the geology and structural deformations as well as the location of the most interesting and sampled features.



Figure 4: Sapawe Stripped Areas Location Map (map 1:8000 in appendix)

Following are figures 5, 6 and 7;

Figure 5: Stripped Area A (map 1:100 in appendix)

Figure 6: Stripped Area B (map 1:300 in appendix)

Figure 7: Stripped Area C (map 1:125 in appendix)



Figure 5: Sapawe Stripped Area A; Geology, Structure and Channel Sample Locations







Figure 7: Sapawe Stripped Area C; Geology, Structure and Channel Sample Locations

Field ID	Sample ID	Easting	Northing	Elevation	Comment
S A1	356051	619100.5	5405767.4	454	1" qv in tonalite
S A2	356052	619100.8	5405768.4	452	joint in tonalite
S A3	356053	619101.1	5405769.6	452	joint in tonalite
S A4	356054	619097.4	5405770.1	442	joint in tonalite
S A5	356055	619097.7	5405771.1	442	joint in tonalite
S A6	356056	619098.0	5405772.1	446	joint in tonalite
S A7	356057	619098.3	5405773.1	444	joint in tonalite

Table 4:	Descri	ption of	Channel	Samples	taken	from	Strip	ped	Area A	A

Field ID	Sample ID	Easting	Northing	Elevation	Comment
S C1	356004	619665.0	5404667.0	460.0	carb chlorite stringers in basalt
S C2	356005	619665.3	5404669.3	459.6	carb chlorite stringers in basalt
S C3	356006	619668.1	5404663.0	461.6	carbonate coated joint in basalt
S C4	356007	619667.3	5404663.6	462.0	carbonate coated joint in basalt
S C5	356008	619666.1	5404661.9	466.1	1" qv in shear zone in basalt
S C6	356009	619665.3	5404663.5	464.0	3" qv in shear zone in basalt
S C7	356010	619666.0	5404654.0	480.5	6" qv in shear zone in basalt
S C8	356011	619662.9	5404661.0	475.5	2x2" qv in shear zone in basalt
S C9	356012	619659.9	5404665.5	472.1	3" qv in shear zone in basalt
S C10	356013	619661.1	5404660.5	464.0	1" qv in shear zone in basalt
S C11	356014	619660.9	5404660.1	464.4	1" qv in shear zone in basalt
S C12	356015	619660.5	5404657.7	464.0	1" qv in shear zone in basalt
S C13	356016	619660.3	5404659.7	467.1	1/2" qv in shear zone in basalt
S C14	356017	619662.9	5404657.7	462.3	stong joint in basalt
S C15	356018	619661.3	5404654.7	466.8	stong joint in basalt
S C16	356019	619662.3	5404653.0	466.8	1" blue qv in fracture in basalt
S C17	356020	619659.9	5404654.8	462.5	carbonate stringers in basalt

Table 5: Description of Channel Samples taken from Stripped Area C

Field ID	Sample ID	Easting	Northing	Elevation	Comment
S B1	356058	619208.0	5405708.0	455	contact tonalite/gabbro
S B2	356059	619209.0	5405709.0	436	contact tonalite/gabbro
S B3	356060	619210.0	5405710.0	444	3" qv at contact gabbro/tonalite
S B4	356061	619211.0	5405711.0	447	4" qv at contact gabbro/tonalite
S B5	356062	619212.0	5405712.0	455	contact tonalite/gabbro
S B6	356063	619216.0	5405737.0	443	contact tonalite/gabbro
S B7	356064	619214.0	5405739.0	448	contact tonalite/gabbro
S B8	356065	619214.0	5405741.0	443	contact tonalite/gabbro
S B9	356066	619216.0	5405743.0	454	contact tonalite/gabbro
S B10	356067	619220.0	5405742.0	449	fault in gabbro
S B11	356068	619221.0	5405744.0	451	fault in gabbro
S B12	356069	619222.0	5405746.0	450	fault in gabbro
S B13	356070	619203.3	5405769.9	451	contact tonalite/gabbro
S B14	356071	619202.3	5405772.4	445	contact tonalite/gabbro
S B15	356072	619202.0	5405774.2	447	contact tonalite/gabbro
S B16	356073	619231.4	5404774.8	449	faulted contact basalt/tonalite
S B17	356074	619231.2	5405775.7	447	faulted contact basalt/tonalite
S B18	356075	619231.0	5405776.9	447	faulted contact basalt/tonalite
S B19	356076	619230.7	5405777.9	445	faulted contact basalt/tonalite
S B20	356077	619230.4	5405779.0	449	faulted contact basalt/tonalite
S B21	356078	619230.2	5405780.0	450	fault ctct basalt/tonalite + 1" qv
S B22	356079	619231.3	5405781.0	450	contact mafic dyke/tonalite
S B23	356080	619233.0	5405781.7	451	contact mafic dyke/tonalite
S B24	356081	619230.5	5405783.5	452	contact mafic dyke/tonalite
S B25	356082	619232.2	5405784.1	448	contact mafic dyke/tonalite
S B26	356083	619231.2	5405784.5	447	1" qv in small shear zone
S B27	356084	619231.0	5405785.4	444	2" qv in small shear zone
S B28	356085	619230.8	5405786.2	449	1" qv in small shear zone
S B29	356086	619230.6	5405787.1	450	1" qv in small shear zone
S B30	356087	619230.4	5405787.9	450	1/2" qv in small shear zone
S B31	356088	619228.7	5405787.1	452	contact basalt/tonatite
S B32	356089	619230.2	5405788.8	449	1" qv in small shear zone
S B33	356090	619230.1	5405789.6	452	1" qv in small shear zone
S B34	356091	619229.8	5405790.4	450	1" qv in small shear zone
S B35	356092	619228.2	5405789.8	449	contact basalt/tonatite
S B36	356093	619232.5	5405791.8	451	joint in tonalite
S B37	356094	619229.6	5405791.3	449	1" qv in small shear zone
S B38	356095	619229.4	5405792.2	454	1" qv in small shear zone
S B39	356096	619229.2	5405793.0	450	1" qv in small shear zone
S B40	356097	619229.0	5405793.7	452	1" qv in small shear zone
S B41	356098	619228.8	5405794.6	451	1" qv in small shear zone
S B42	356099	619228.7	5405795.4	450	shear zone +/- qv
S B43	356000	619228.6	5405796.2	450	chunky qz in small shear zone
S B44	356001	619228.3	5405796.8	450	1" qv in small shear zone
S B45	356002	619228.0	5405797.5	455	1" qv in small shear zone
S B46	356003	619227.8	5405798.2	454	2" qv in small shear zone

Table 6: Description of Channel Samples taken from Stripped Area B



Figure 8: Sampling on Stripped Area A



Figure 9: Stripping and Washing and cutting channels on Stripped Area B & C



Figure 10: Mapping and Sampling;

left - quartz vein in area B

right - quartz vein hosted shear zone in area C

9. Sampling and Results

Once the surface of the opened area was washed out and cleaned, the geologist proceeded at mapping the rock units and then marking up the intervals to be sampled with a red paint spray can while selecting the appropriate features to be sampled (Figures 8, 9 and 10).

The sampling over the three stripped areas was selective and mainly focused on two parameters; the geological contacts and structural features occurring on the outcrops as shear zones and quartz veining. Half of sampling was made at 1.0 meter length of sample, while the structural zones were done at 0.5 meter. Strong shearing hosting narrow quartz veining (2-15cm) were particularly featuring at the north end of area B, and in the middle of area C those using tighter sampling at 0.5 meter channel cutting for more representation of the sheared veins. All other samples were 1.0 meter long and cross-cutting lithological contacts, local faulting or fracture systems. A total of 70 channel samples have been taken out the 3 stripped areas.

The sampling was uniquely focused on gold to estimate its potential on these claims squeezed between the old historical Atiko-Sapawe gold mine to the west, and two gold occurrences on the east side known as Ingham and Mammoth showings that returned gold values in more recent years from trenching works.

Unfortunately, no significant values returned from the 70 channel samples out of any of the three stripped areas. Only six values came above the detection limit as traces of gold. Samples 356062, 356085, 356098, 356002, 356010 and 356019 returned respectively 12, 26, 13, 15, 14 and 11 ppb Au from their related stripped areas. Samples 356004 to 356020 were particularly disappointing as they are on the immediate west extension of the Ingham veins.

Future diamond drilling could result in better valuable grades than stripping work and corroborate the grades at the gold mine and the gold showing east of the claims.

See table 7 below for the complete and final results.

Field ID	Trench	Sample ID	Length	Au g/t	Fie	ld ID	Trench	Sample ID	Length	Au g/t
S A1	А	356051	1.0	< 5	S	B29	В	356086	1.0	< 5
S A2	А	356052	1.0	< 5	S	B30	В	356087	1.0	< 5
S A3	А	356053	1.0	< 5	S	B31	В	356088	1.0	< 5
S A4	А	356054	1.0	< 5	S	B32	В	356089	0.5	< 5
S A5	А	356055	1.0	< 5	S	B33	В	356090	1.0	< 5
S A6	А	356056	1.0	< 5	S	B34	В	356091	0.5	< 5
S A7	А	356057	1.0	< 5	S	B35	В	356092	1.0	< 5
S B1	В	356058	1.0	< 5	S	B36	В	356093	1.0	< 5
S B2	В	356059	1.0	< 5	S	B37	В	356094	0.5	< 5
S B3	В	356060	1.0	< 5	S	B38	В	356095	0.5	5
S B4	В	356061	1.0	< 5	S	B39	В	356096	0.5	< 5
S B5	В	356062	1.0	12	S	B40	В	356097	0.5	< 5
S B6	В	356063	1.0	< 5	S	B41	В	356098	0.5	13
S B7	В	356064	1.0	< 5	S	B42	В	356099	0.5	< 5
S B8	В	356065	1.0	< 5	S	B43	В	356100	0.5	< 5
S B9	В	356066	1.0	< 5	S	B44	В	356001	0.5	< 5
S B10	В	356067	1.0	< 5	S	B45	В	356002	0.5	15
S B11	В	356068	1.0	< 5	S	B46	В	356003	0.5	< 5
S B12	В	356069	1.0	< 5	S	C1	С	356004	1.0	< 5
S B13	В	356070	1.0	< 5	S	C2	С	356005	1.0	< 5
S B14	В	356071	1.0	< 5	S	C3	С	356006	1.0	< 5
S B15	В	356072	1.0	< 5	S	C4	С	356007	1.0	< 5
S B16	В	356073	1.0	< 5	S	C5	С	356008	0.5	< 5
S B17	В	356074	1.0	< 5	S	C6	С	356009	0.5	< 5
S B18	В	356075	1.0	< 5	S	C7	С	356010	0.5	14
S B19	В	356076	1.0	< 5	S	C8	С	356011	0.5	< 5
S B20	В	356077	1.0	< 5	S	C9	С	356012	0.5	< 5
S B21	В	356078	1.0	< 5	S	C10	С	356013	0.5	< 5
S B22	В	356079	1.0	< 5	S	C11	С	356014	0.5	< 5
S B23	В	356080	1.0	< 5	S	C12	С	356015	0.5	< 5
S B24	В	356081	1.0	< 5	S	C13	С	356016	0.5	< 5
S B25	В	356082	1.0	< 5	S	C14	С	356017	1.0	< 5
S B26	В	356083	1.0	< 5	S	C15	С	356018	0.5	< 5
S B27	В	356084	0.5	< 5	S	C16	С	356019	0.5	11
S B28	В	356085	0.5	26	S	C17	С	356020	0.5	< 5

Table 7: Table of Results from the 3 Stripped Areas (see Appendix III, certif. & results)

10. Costs of Stripping Work

The stripping costs below include the work done for the Sapawe Stripping Project between May 25th, 2017 and June 30th, 2017. To reach the property, we must go through the Resolute sawmill by taking highway 623 off main Trans-Canada Highway 11 and drive roughly 5km on secondary roads to get to the old Sapawe Gold Mine shaft. A minimum of bush trails had to be opened to reach the 3 stripped areas A, B and C. Detail of the costs is described below in tables 8a, 8b, 8c and 8d, and also on the main sheet in Appendix V of this report.

Pierre Gagn	e Prospecting -	Daily Log Report	: Compilation	
Date	Name	Task	Scope of Work	Hours
26-May-17	Gary Grenier	Excavator Op.	Load excavator on flat bed truck, drive to Sapawe, unload it, drive back Thunder Bay	6
29-May-17			Start making trail to get access to the site where strippings A & B will occur	11
30-May-17			Keep running the excavator to open the trail to stripping areas	12
31-May-17			Keep opening the trail and reach first stripping area called A and open small exposure	11
1-Jun-17			Reach second stripping area called B and prepare to open it	12
2-Jun-17			Working on opening large stripping area B and exposing the rock the best as possible	11
3-Jun-17			Keep exposing area B including more ground to the north, drive back to Thunder Bay	10
6-Jun-17			Finish cleaning area B, move out area, head to next area to strip (area C)	12.5
7-Jun-17			Reach destination to third area C and start stripping the outcrop	12
8-Jun-17			Finish cleaning area C, bring back excavator to the road to take it out the property	12
9-Jun-17			Go get the flat bed truck, load the excavator, drive to Thunder Bay, unload excavator	11
			Total	120.5

Table 8a: Daily Logs for Gary Grenier in relation of his hours spent on Sapawe Project

1-Jun-17	Jerry Nichols	Service Man	Load equipment needed for stripping at Sapawe (ATV's, pumps, hoses, etc)	5
2-Jun-17			Set up pump at lake and stripping areas, pull hoses and start cleaning the stripped rock	14.5
3-Jun-17			Continue on washing stripped outcrops all day to clean the rock	11
5-Jun-17			Back in Thunder Bay loading more equipment needed for stripping work at Sapawe	5
6-Jun-17			Back to stripped outcrop and washing all day to clean the rock	12.5
7-Jun-17			Wash and clean the rock and start cutting channels to take and bag rock samples	12
8-Jun-17			Take channel samples selected by geologist and cut with rock saw then bag them	12
9-Jun-17			Wash and clean the rock at the third stripped area all day	10.5
12-Jun-17			Back in Thunder Bay loading more equipment needed for stripping work at Sapawe	4
13-Jun-17			Take channel samples selected by geologist and cut with rock saw then bag them	12
14-Jun-17			Finish taking channel samples, bag and close everything, get all equipment out of Sapawe	9
			Total	107.5

Table 8b: Daily Logs for Jerry Nichols in relation of his hours spent on Sapawe Project

25-May-17	Pierre Gagne	Manager	Prepare logistics for the stripping program and head to Sapawe	4
26-May-17			Head out in the field with the geologist to spot the areas to be stripped	10
			Tota	14

Table 8c: Daily Logs for Pierre Gagne for his time spent at the Sapawe Property

Pierre Gagne Prospecting - Daily Log Report Compilation					
25-May-17	Mitch Dumoulin	Geologist	Prepare the material for stripping program and head out to Sapawe		4
26-May-17			Field reconnaissance to flag the trails and delineate the contours of the stripped areas		10
6-Jun-17			Field mapping and channel sampling mark ups all day at stripped areas A and B		10
7-Jun-17			Field mapping and channel sampling mark ups all day at stripped areas A and B		10
8-Jun-17			Download field data in computer and set-up the procedures to start the assess repo	rt	8
9-Jun-17			Organize the data to start making maps and figures for the assessment report		4
13-Jun-17			Field mapping and channel sampling mark ups all day at stripped area C		10
14-Jun-17			Build the shape of the report chapter by chapter inserting figures as it comes		6
15-Jun-17			Same as above continuing on writing the report making all needed maps and figures		5
16-Jun-17			Same as above working on the technical report for assessment work		4
19-Jun-17			Same as above working on the technical report for assessment work		4
20-Jun-17			Same as above working on the technical report for assessment work		5
21-Jun-17			Sapawe report nearing the end on fine tuning format and adding index and paging		2
23-Jun-17			Final touch to assessment report verifying all and adding all appendices related to it		1
			Tot	al	83

Table 8d: Daily Logs for Mitch Dumoulin, the geologist supervising the Sapawe Project

Table 9 below is taking for account the time of each of the persons above working on the Sapawe project, and applying the rate per hour for each day worked in relation with this project. Following the salaries are the rental charges and the expenses associated to field work such as mobilization, food and lodging, gas, material needed to perform the work and others.

The time reported for the operators corresponds exactly to the time of use of the machinery. The time for Gary is the time for the excavator and the same for Jerry in his multiple duties of moving the pumps, connecting the hoses, washing and clean the rock, cut the channel samples with the rock saw and bag the samples.

All equipment has been charged on a daily rate thus no hourly rates for any machinery (See table 9 and Appendix V for the details).

Geologist doing field work (44 hours x \$80/hour)\$3,520 Compilation, Creation, Time to make the Report & build Maps (39 hours x \$80/hour)......\$3,120 Project manager doing field work with geologist (14 hours x \$80/hour)\$1,120 Excavator operator time for making trails & stripping work (120.5 hours x \$75/hour) \$9.037.50 Labor time for washing, cutting & sampling after stripping (107.5 hours x \$75/hour) \$8,062.50Sub-Total: \$24,860.00 Rental costs for the Linkbelt excavator (15 days x \$500/day).....\$7,500 Rental costs for KW flatbed truck/trailer (2 days x \$500/day)\$1,000 Rental costs for washing & sampling with pumps (2) & rock saw (34 days x \$74/day) \$2,516 Rental costs for chainsaw for minor clean-ups (20 days x \$49/day)\$980 Rental costs for 2012 F-150 truck with fuel tank rental included (2 days x \$175/day)\$350 Rental costs for 2013 F-350 truck with trailer for ATV's (3 days x \$225/day).....\$675 Rental costs for 2012 F-150 truck for transportation to work site (14 days x \$175/day) \$2,450 Rental costs for 2004 F-350 truck for transportation to work site (14 days x \$175/day)......\$2,450 Rental costs for 2 Quads-ATV 4x4 Honda & Suzuki to reach strips (35 days x \$95/day)....\$3,325Sub-Total: \$21,246.00 Cost of fuel & gas for all the above equipments & vehicles (see material & services) ... \$2,596.50 Sleep & meals for 2 people: Sapawe Corner Diner (see material & services)......\$2,338.89 Others: paint, flagging tape, bug spray, sample bags... (See material & services)\$287.49 Costs for sample analysis at Actlabs of Thunder Bay (see material & services) \$2,229.86Sub-Total: \$7,452.70

Total for Sapawe Stripping Program	\$53,558.70
Table 9: Total Costs related to the Sapawe Stripping Program	

Most of the costs have been share between charged time of work and rental of equipment to perform that work. Three workers have been involved with a short visit by the project manager, Pierre Gagné. Gary Grenier was the excavator operator opening the stripped areas with a Linkbelt backhoe dropped to the site out a KW truck trailer (flatbed truck). Jerry Nicholls acted as the field support bringing all other necessary equipment such as the quad-ATV machines on the trailer, chainsaw, rock saw, pumps and hoses needed to wash and clean the stripped areas. Gary and Jerry stayed at the Sapawe Corner Diner motel during their work in the field also taking their meals there at the motel. Finally, Mitch Dumoulin was the geologist in charge of the project performing the mapping of the stripped areas, and also making the selection of the intersections to be channel sampled perpendicular to the main features. Once the field work done, this report was produced and finalized after receiving the results from the accredited lab as well as the final costs of this program.

11. Conclusion and Recommendations

Stripped areas B and C revealed nice structural features such as sheared zones host of quartz veining varying from 1cm to 15cm with a fair degree of rusting. Gold mineralization has been reported in that area from previous years. Unfortunately, only a few values between 11 and 26 ppb's have returned from channel sampling, the vein in stripped area C the most disappointing as it is on straight west extension of the Ingham showing which reported grades up to 6.70 g/t in another trenching work in 2011 (Malench 2011). However, these features being discovered, more work such as diamond drilling could investigate accurately the value of these sheared veins in the future.

The next step following the mapping and sampling of these stripped areas, should imply diamond drilling targeting similar structures as recognized at the old Atiko-Sapawe Gold Mine nearby. The previous magnetic airborne survey would be of great help with a better understanding of the geology to select these drill targets.

References

Bernatchez A. Raymond, February 1977 A Report on the Geological Mapping of the Mine Shaft Area of the Atiko Gold Mine Property, McCaul Township

Larouche Claude, January 1990

Evaluation Report for Ako Gold Mines Corporation on McCaul Township's Gold Mining Property District of Thunder Bay, Ontario, Canada

Malench Paul, July 2011

Trenching Work Report, Sabawi Lake Area, Thunder Bay District, Ontario

Certificate of Qualifications

I, Mitch Dumoulin, of 507 McMaster St., Thunder Bay, Ontario, do hereby certify that:

1. I hold a *Bachelor of Science Degree in Geology (1981)* from Université du Québec à Chicoutimi, Chicoutimi, Québec;

2. I am a member of the Association of Professional Geoscientists of Ontario (P.Geo Registration #0304);

3. I have practiced my profession in Ontario and Quebec since 1981 and have been employed directly by several large mining and exploration companies and also several junior mining companies;

4. I am presently an employee of Pierre Gagné Contracting Limited based in Thunder Bay, Ontario but also indirectly employed to Metalcorp Limited as Principal Geologist for the company;

5. I have supervised numerous projects similar to that represented by the Sapawe Project, also a 'Qualified Person' in the context of National Instrument 43-101, and have been employed as such by Metalcorp Limited. I consider this report to be accurate in all respects;

6. Permission is granted to Metalcorp Limited to use this report in a prospectus or other financial offering.

Dated June 21, 2017 in Thunder Bay, Ontario.

Mitch Dumoulin., P.Geo Principal Geologist Metalcorp Limited

Appendix I

Map 1:8,000 - Sapawe Property: Pierre Gagne Claims Location Map



Appendix II

- Map 1:100 Stripped Area A
- Map 1:300 Stripped Area B
- Map 1:125 Stripped Area C



5405760 N		Sa	apawe - Pierre Gagné
			Sapawe Property
		Date: 15/06/20	¹⁷ Stripped Area A
		Author: MD	Mapping-Sampling
5405755 N ш	ш	Thunder Bay Drawing:	June 2017
619080	619085	Scale: 1:100	Projection: UTM Nad 83, Zone 15





Appendix III

Certificates of Analysis of the Stripping Program

Quality Analysis ...



Innovative Technologies

Date Submitted:12-Jun-17Invoice No.:A17-05840Rev.Invoice Date:15-Aug-17Your Reference:Image: State State

Pierre Gagne Contracting 580 New Vickers street Thunder Bay ontario P7E 6P1 Canada

ATTN: Mitch Dumoulin

CERTIFICATE OF ANALYSIS

53 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT A17-05840Rev.

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D. Quality Control

ACTIVATION LABORATORIES LTD.

1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6 TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613 E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
356051	< 5
356052	< 5
356053	< 5
356054	< 5
356055	< 5
356056	< 5
356057	< 5
356058	< 5
356059	< 5
356060	< 5
356061	< 5
356062	12
356063	< 5
356064	< 5
356065	< 5
356066	< 5
356067	< 5
356068	< 5
356069	< 5
356070	< 5
356071	< 5
356072	< 5
356073	< 5
356074	< 5
356075	< 5
356076	< 5
356077	< 5
356078	< 5
356079	< 5
356080	< 5
356081	< 5
356082	< 5
356083	< 5
356084	< 5
336085	26
330080	< 5
336087	< 5
336088	< 5
326089	< 5
356090	< 5
256002	< 5
330092	< 5

Results

Activation Laboratories Ltd.

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
356093	< 5
356094	< 5
356095	5
356096	< 5
356097	< 5
356098	13
356099	< 5
356100	< 5
356001	< 5
356002	15
356003	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 251 Meas	490
OREAS 251 Cert	504
OREAS 251 Meas	508
OREAS 251 Cert	504
OREAS 251 Meas	509
OREAS 251 Cert	504
OREAS 223 (Fire	1710
Assay) Meas	
OREAS 223 (Fire	1780
Assay) Cert	
OREAS 223 (Fire	1730
Assay) Meas	
OREAS 223 (Fire	1780
Assay) Cert	. 5
356060 Ong	< 5
356060 Dup	5
356070 Orig	< 5
356070 Dup	< 5
356080 Orig	< 5
356080 Dup	< 5
356095 Orig	5
356095 Dup	5
356100 Orig	< 5
356100 Split	47
	-
Method Blank	< 5

Quality Analysis ...



Innovative Technologies

Date Submitted:14-Jun-17Invoice No.:A17-06021Invoice Date:23-Jun-17Your Reference:Sapawe

Mitch Dumoulin 580 New Vickers street Thunder Bay ontario P7E 6P1 Canada

ATTN: Mitch Dumoulin

CERTIFICATE OF ANALYSIS

17 Rock samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-Tbay Au - Fire Assay AA (QOP Fire Assay Tbay)

REPORT A17-06021

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D. Quality Control

ACTIVATION LABORATORIES LTD.

1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6 TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613 E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com Results

Activation Laboratories Ltd.

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
356004	< 5
356005	< 5
356006	< 5
356007	< 5
356008	< 5
356009	< 5
356010	14
356011	< 5
356012	< 5
356013	< 5
356014	< 5
356015	< 5
356016	< 5
356017	< 5
356018	< 5
356019	11
356020	< 5

Au
ppb
5
FA-AA
498
504
1710
1780
< 5
< 5
< 5

Appendix IV

Daily Logs of People involved on Sapawe Program

Weekly	Time R	ecord -	PIER	RE GAG	NÉ CONTRACTING LTD.
Employee:	GARY	GREN	NER		Signature:
Project/Loc	cation:	RE Docl	< - 5	APAWE	Approved:
Date	Start Day	End Day	Breaks	Hrs Worked	Project / Duties / Activities / Work Completed
MAY 23				X	CLEAN UP YARD AT OKE DOCK
24				<i>j</i> Q	TOOK FUEL PUMP OFF BRADER, TOOK KIW. FOR SAFTY, WELD ON LINK BELT BUCKET
25				×	CHEAN UP AT C.A. PLANT
210		Å	A	215	FLORT 160 LINK BELT TO SAPAWES RUN
			PC		(6 hours Japawe) /
Weekly	Time R	ecord -	PIER	RE GAG	SNÉ CONTRACTING LTD.
Employee:	_GAIE	<u>Y GRE</u>	SIEK		Signature:
Project/Loc	cation:	SAPP	WE		Approved:
Date	Start Day	End Day	Breaks	Hrs Worked	Project / Duties / Activities / Work Completed
MAY 29			Ð		MAKENG TRAIL IN SAPAWE WITH 160 LINKBET
30				12	RUNNING 160 IN SAPAWE
.31			\mathbf{R}	11	KUNING 160 EXPOSED 122 OUT CROP, FLAG TRANE WITH MITCH
JUNE			Ð	12	START EXPOSEING 2ND LARGE OUT CROP
Z			A	11	EXPOSEING ZND OUT CROP
3			R	10	EXPOSEING 2 ME OUT CROP; PIERRE ADDED MORE AREA, DROVE HUME
					ŕ

Total Hours Worked	67 0	<u>00</u> 7	OF	TOWN
--------------------	------	-------------	----	------

Weekly Time	Record -	PIERRE	GAGNÉ	CONTRA	CTING LTD.

SHUP-SAPAWE

Employee:	GARI	ARENIER
Employee.		<u></u>

_____ Signature: _____

Project/Location: ____

_____ Approved: _____

Start Day End Day Breaks Hrs Worked Project / Duties / Activities / Work Completed Date

JUNE			\mathbf{X}	W.S.I.B
le		\mathcal{A}	12/2	FINNISH CLEANING #2 LARGE OUT CRUP HEAD TO #3 OUT CROP
7		A	12	START STRIPWG TRENCH #3
8		E t	12	FINNISH STRIPING TRENCH & 3 AND WALK BACKHOE TO TRUCK'S
9		X	11	DRIVE TO TOWN, GET KIW, AND 53' TRAILER DRIVE BACK LOND ILO HOE, CHECK ON JERRY
		Ð		DRIVE BACK TO TOWN AND UNLOAD

Total Hours Worked <u>55 1/2</u> 47 1/2 O.T.

٠

Weekly Time Record - PIERRE GAGNÉ CONTRACTING LTD.

Employee: <u>JERFul</u>	Nichols	Signature:
-------------------------	---------	------------

Project/Location: _____ Approved: _____

Start Day End Day Breaks Hrs Worked Project / Duties / Activities / Work Completed Date -8 129 800 430 8. ORDOCK OFFICE WALC-4HAS pgagne Bibles Fix 4HAS 630 800 8 430 Z ORDock office AIRLEAKS N31 800 8, R 430 OKPOCH OFFICE AIR LEAKS D& 5 LOAD FUR METALCORD SHRS HOUSE TRAILOR HINGS 430 Ł Jurel 800 FR12 500 730 H4300145 CLEAR Rock METAL COLP 3 700 KH 11 H CLEAN ROCK METAL CORP 600 Total Hours Worked <u>57</u>

32 HRS IN TOWN 252HRS OUT TOWN

\$ Sapque

Weekly Time Record - PIERRE GAGNÉ CONTRACTING LTD.

Employee: _______ Signature: CPREC Project/Location: Ápproved: Start Day End Day Br s_Hrs Worked Project / Duties / Activities / Work Completed 530 800 LOAD FOR SADAWE (SHKS) (ZRADER 44K5) 7 700 730 CLEAN ROCK SADANE) 700 700 9 2 CLEAN & CUT ROCK SADAWE 700 K 700 CUT Koch SADAWE! 12 9 530 700 102 D CLEAN ROCK SAPAWE INTOWN 9HRS 56 Sapawe Total Hours Worked ____

Weekly Time Record - PIERRE GAGNÉ CONTRACTING LTD.

Employee:	SCRR	y iliche	15		Signature:
Project/Loc	ation:	B S	àpaw	ير	Approved:
_	Start Day	End Day	Breaks	Hrs Worked	Project / Duties / Activities / Work Completed
Dust			(AX4	LUADFOR SADAWE YHKS FIT LINKBELT 3HKS
.13 -				IZR	CUT KUCK SAPAWE)
.14_	,			9 R	(JT Rock SAPAWE)
15				8	ORDOCK OFFICE (SHRS) LINKBELT 3HKS
14				15	LINKER: DOOR POST SHKS
				X	
Ţ	otal Hour	s Worked	4	1	NTOWN 20 HRS OUT OF TOWN 21 HRS



TIME SHEET PIERRE GAGNE

580 New Vickers St., Thunder Bay, Ontario 807-623-2626

Day	Month	Date	Project	Description of Activities	Time
Sunday	May	21			
Monday	May	22			
Tuesday	May	23			· ·
Wednesday	May	24			
Thursday	May	25	Sapawe PG Admin	Prepare logistics for stripping program	4 hours
Friday	Мау	26	Sapawe PG Admin	Stripping work reconnnaissance & spotting in the field with geologist to delineate coutours of stripping work to do by operators	10 hours
Saturday	May	27			
Sunday	May	28			
Monday	May	29			
Tuesday	May	30			
Wednesday	May	31			
Thursday	June	1			
Friday	June	2		£	
Saturday	June	3			
			0452	Total Regular Days of Work for this Period	14 hours

PERIOD: May 21- June 03, 2017

٠



580 New Vickers St., Thunder Bay, Ontario 807-623-2626

PERIOD: May 21- June 03, 2017

÷

Day	Month	Date	Project	Project Description of Activities T	
Sunday	May	21			
Monday	May	22			
Tuesday	May	23			
Wednesday	May	24			
Thursday	May	25	Sapawe PG Admin	Prepare material for stripping program	4 hours
Friday	May	26	Sapawe PG Admin	Stripping work reconnnaissance & spotting in the field to delineate coutours of stripping work to do by operators	10 hours
Saturday	May	27			
Sunday	May	28			
Monday	May	29			
Tuesday	May	30			
Wednesday	May	31			
Thursday	June	1			
Friday	June	2	6		
Saturday	June	3			
				Total Regular Days of Work for this Period	14 hours

m Dunge la



TIME SHEET MITCH DUMOULIN

580 New Vickers St., Thunder Bay, Ontario 807-623-2626

Day	Month	Date	Project	Description of Activities	Time
Sunday	June	4			
Monday	June	5			
Tuesday	June	6	Sapawe PG field work*	Mapping and sampling trenches all day	10 hours
Wednesday	June	7	Sapawe PG field work*	Mapping and sampling trenches all day	10 hours
Thursday	June	8	Sapawe PG Admin	Download data & prep for report- create map	8 hours
Friday	June	9	Sapawe PG Admin	Enter data and create maps in computer	4 hours
Saturday	June	10		0	
Sunday	June	11			
Monday	June	12			
Tuesday	June	13	Sapawe PG field work*	Mapping and sampling stripped areas all day	10 hours
Wednesday	June	14	Sapawe PG Admin	Technical work, report, maps in computer	6 hours
Thursday	June	15	Sapawe PG Admin	Technical work, report, maps in computer	5 hours
Friday	June	16	Sapawe PG Admin	Technical work, report, maps in computer	4 hours
Saturday	June	17			
				Total Regular Days of Work for this Period	57 hours

PERIOD: June 04- June 17, 2017

÷.

Note: mtc claim management means all North Rock, Big Lake, River Gold, Hemlo East and Black Bear whatever it needs to keep up to date

In Duneal



580 New Vickers St., Thunder Bay, Ontario 807-623-2626

PERIOD: June 18- July 01, 2017

10

Day	Month	Date	Project	Description of Activities	Time
Sunday	June	18			
Monday	June	19	Sapawe PG Admin	Continue on the report, maps+figures	4 hours
Tuesday	June	20	Sapawe PG Admin	Continue on the report, maps+figures	5 hours
Wednesday	June	21	Sapawe PG Admin	Start fine tuning the report with final data	2 hours
Thursday	June	22			
Friday	June	23	Sapawe PG Admin	Put final touch to the report and all add-ons	1 hour
Saturday	June	24			
Sunday	June	25			
Monday	June	26	8		s
Tuesday	June	27	×		2
Wednesday	June	28	~		
Thursday	June	29	2		
Friday	June	30	£		
Saturday	July	1			
				Total Regular Days of Work for this Period	12 hours

Note: mtc claim management means all North Rock, Big Lake, River Gold, Hemlo East and Black Bear whatever it needs to keep up to date including compilation, and Sapawe, Sap or Sap PG means Pierre Gagné project

e

Pierre Gagne Prospecting - Daily Log Report Compilation

Date	Name	Task	Scope of Work	Hours
26-May-17	Gary Grenier	Excavator Op.	Load excavator on flat bed truck, drive to Sapawe, unload it, drive back Thunder Bay	6
29-May-17			Start making trail to get access to the site where strippings A & B will occur	11
30-May-17			Keep running the excavator to open the trail to stripping areas	12
31-May-17			Keep opening the trail and reach first stripping area called A and open small exposure	11
1-Jun-17			Reach second stripping area called B and prepare to open it	12
2-Jun-17			Working on opening large stripping area B and exposing the rock the best as possible	11
3-Jun-17			Keep exposing area B including more ground to the north, drive back to Thunder Bay	10
6-Jun-17			Finish cleaning area B, move out area, head to next area to strip (area C)	12.5
7-Jun-17			Reach destination to third area C and start stripping the outcrop	12
8-Jun-17			Finish cleaning area C, bring back excavator to the road to take it out the property	12
9-Jun-17			Go get the flat bed truck, load the excavator, drive to Thunder Bay, unload excavator	11
			Total	120.5
1-Jun-17	Jerry Nichols	Service Man	Load equipment needed for stripping at Sapawe (ATV's, pumps, hoses, etc)	5
2-Jun-17			Set up pump at lake and stripping areas, pull hoses and start cleaning the stripped rock	14.5
3-Jun-17			Continue on washing stripped outcrops all day to clean the rock	11
5-Jun-17			Back in Thunder Bay loading more equipment needed for stripping work at Sapawe	5
6-Jun-17			Back to stripped outcrop and washing all day to clean the rock	12.5
7-Jun-17			Wash and clean the rock and start cutting channels to take and bag rock samples	12
8-Jun-17			Take channel samples selected by geologist and cut with rock saw then bag them	12
9-Jun-17			Wash and clean the rock at the third stripped area all day	10.5
12-Jun-17			Back in Thunder Bay loading more equipment needed for stripping work at Sapawe	4
13-Jun-17			Take channel samples selected by geologist and cut with rock saw then bag them	12
14-Jun-17			Finish taking channel samples, bag and close everything, get all equipment out of Sapawe	9
			Total	107.5
25-May-17	Pierre Gagne	Manager	Prepare logistics for the stripping program and head to Sapawe	4
26-May-17			Head out in the field with the geologist to spot the areas to be stripped	10
			Total	14
Pierre Gagne	Prospecting - Dai	ly Log Report	Compilation	
25-May-17	Mitch Dumoulin	Geologist	Prepare the material for stripping program and head out to Sapawe	4
26-May-17			Field reconnaissance to flag the trails and delineate the contours of the stripped areas	10
6-Jun-17			Field mapping and channel sampling mark ups all day at stripped areas A and B	10
7-Jun-17			Field mapping and channel sampling mark ups all day at stripped areas A and B	10
8-Jun-17			Download field data in computer and set-up the procedures to start the assess report	8
9-Jun-17			Organize the data to start making maps and figures for the assessment report	4
13-Jun-17			Field mapping and channel sampling mark ups all day at stripped area C	10
14-Jun-17			Build the shape of the report chapter by chapter inserting figures as it comes	6
15-Jun-17			Same as above continuing on writing the report making all needed maps and figures	5
16-Jun-17			Same as above working on the technical report for assessment work	4
19-Jun-17			Same as above working on the technical report for assessment work	4
20-Jun-17			Same as above working on the technical report for assessment work	5
21-Jun-17			Sapawe report nearing the end on fine tuning format and adding index and paging	2
23-Jun-17			Final touch to assessment report verifying all and adding all appendices related to it	1

Total 83

Appendix V

Invoices and Total Costs involved on Sapawe Project

Appendix VI

.

Specifications of the Excavator Link Belt 160LX

(see photos on figure 9 of the report and this appendix)





Home > Spec Search > Constructi > Hydraulic Excavator > Link-Belt > 160LX

LINK-BELT 160LX HYDRAULIC EXCAVATOR

🖶 Print specification

Looking to purchase this item?

Find a Link-Belt 160LX Hydraulic Excavator being sold at Ritchie Bros. auctions.

Need to sell equipment?

<u>Complete this form</u> and a Ritchie Bros. representative will contact you.

VIEW ARTICLES ON THIS ITEM



Selected Dimensions

Boom/Stick Option	Boom/Stick Option	n (HEX) 1 🗸
A. SHIPPING LENGTH OF UNIT	27.6 ft in	8400 mm
C. SHIPPING HEIGHT OF UNIT	9.7 ft in	2950 mm
I. MAX CUTTING HEIGHT	30.5 ft in	9300 mm
J. MAX LOADING HEIGHT	21.9 ft in	6670 mm
K. MAX REACH ALONG GROUND	29.4 ft in	8970 mm
L. MAX VERTICAL WALL DIGGING DEPTH	17.1 ft in	5200 mm
M. MAX DIGGING DEPTH	20.1 ft in	6120 mm
Dimensions		
B. WIDTH TO OUTSIDE OF TRACKS	8.5 ft in	2590 mm
D. LENGTH OF TRACK ON GROUND	10.1 ft in	3090 mm
E. GROUND CLEARANCE	1.4 ft in	440 mm
G. HEIGHT TO TOP OF CAB	9.7 ft in	2950 mm
H. TAIL SWING RADIUS	7.8 ft in	2370 mm
O. COUNTERWEIGHT CLEARANCE	3.3 ft in	1020 mm
Undercarriage		
F. TRACK GAUGE	6.5 ft in	1990 mm
N. SHOE SIZE	23.6 in	600 mm



Specification

Engine		
MAKE	lsuzu	
MODEL	DD-4BG1T	
NET POWER	101 hp	75.3 kw
POWER MEASURED @	2200 rpm	
DISPLACEMENT	264 cu in	4.3 L
TORQUE MEASURED @	1600 rpm	
MAX TORQUE	311 lb ft	421.7 Nm
ASPIRATION	Turbocharged	
NUMBER OF CYLINDERS	4	
Operational		
OPERATING WEIGHT	36200 lb	16420 kg

FUEL CAPACITY	66 gal	250 L
COOLING SYSTEM FLUID CAPACITY	4.7 gal	17.7 L
HYDRAUILC SYSTEM FLUID CAPACITY	39.1 gal	148 L
ENGINE OIL CAPACITY	4 gal	15 L
OPERATING VOLTAGE	24 V	
ALTERNATOR SUPPLIED AMPERAGE	40 amps	
HYDRAULIC SYSTEM RELIEF VALVE PRESSURF	4970 psi	34266.9 kPa
HYDRAULIC PUMP FLOW CAPACITY	72.4 gal/min	274.1 L/min
Swing Mechanism		
SWING SPEED	11.4 rpm	
SWING TORQUE	33260 lb ft	45094.5 Nm
Undercarriage		
NUMBER OF SHOES PER SIDE	43	
SHOE SIZE	23.6 in	600 mm
NUMBER OF CARRIER ROLLERS PER SIDE	2	
NUMBER OF TRACK ROLLERS PER SIDE	7	
GROUND PRESSURE	5.8 psi	39.8 kPa
MAX TRAVEL SPEED	3.6 mph	5.8 km/h
TRACK GAUGE	6.5 ft in	1990 mm
Buckets		
REFERENCE BUCKET CAPACITY	0.76 yd3	0.58 m3
MINIMUM BUCKET CAPACITY	0.58 yd3	0.44 m3
MAXIMUM BUCKET CAPACITY	1.1 yd3	0.87 m3
Boom/Stick Option (HEX) 1		
BOOM/STICK OPTION (HEX) 1	Boom 16'11" (5150mm) / Stick 8'10" (2700mm)	
SHIPPING HEIGHT OF UNIT	9.7 ft in	2950 mm
SHIPPING LENGTH OF UNIT	27.6 ft in	8400 mm
MAX DIGGING DEPTH	20.1 ft in	6120 mm
MAX REACH ALONG GROUND	29.4 ft in	8970 mm
MAX CUTTING HEIGHT	30.5 ft in	9300 mm
MAX LOADING HEIGHT	21.9 ft in	6670 mm
MAX VERTICAL WALL DIGGING DEPTH	17.1 ft in	5200 mm
Boom/Stick Option (HEX) 2		
BOOM/STICK OPTION (HEX) 2	Boom 16'11" (5150mm) / Stick 10'0" (3050mm)	
SHIPPING HEIGHT OF UNIT	10.2 ft in	3100 mm
SHIPPING LENGTH OF UNIT	27.7 ft in	8440 mm
MAX DIGGING DEPTH	21.2 ft in	6450 mm
MAX REACH ALONG GROUND	30.6 ft in	9320 mm
MAX CUTTING HEIGHT	31.5 ft in	9590 mm
MAX LOADING HEIGHT	22.8 ft in	6950 mm
MAX VERTICAL WALL DIGGING DEPTH	18.6 ft in	5680 mm
Dimensions		
WIDTH TO OUTSIDE OF TRACKS	8.5 ft in	2590 mm
HEIGHT TO TOP OF CAB	9.7 ft in	2950 mm
GROUND CLEARANCE	1.4 ft in	440 mm
COUNTERWEIGHT CLEARANCE	3.3 ft in	1020 mm
TAIL SWING RADIUS	7.8 ft in	2370 mm
LENGTH OF TRACK ON GROUND	10.1 ft in	3090 mm

Page 2 of 2

 \odot 2007-2017 RitchieSpecs Equipment Specifications Ritchie Bros. Auctioneers \odot | <u>Terms of Use</u> | <u>Privacy Statement</u> OEM specifications are provided for base units. Actual equipment might vary with options.