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Report on 2014-2015 Diamond Drilling Program

Stock Mill Site Property

Primero Mining Corp

Leases L70540, L70541, L70542, L76080, and Parcel 5714

Drill Holes S14-007 to S15-040

By: Ali Gelinas

June 20th, 2016

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Summary

During September 15th, 2014 to April 28th, 2015 Primero Mining Corp. conducted a diamond drilling program to follow up on previously outlined potential targets and historical drilling. A total of 10360.85 meters were drilled in 34 NQ sized drill holes. Majority of the drill holes intersected narrow sections of gold mineralization. Mineralization occurs in carbonate altered ultramafic volcanics with +/- sericite-fuchsite alteration, carbonate-sericite altered mafic volcanics, and silicified felsic dykes. As well, mineralization appears to be associated with quartz-carbonate veining. Due to the narrow and typically low grade mineralization that was intersected, drilling was discontinued for the time being. Further work is needed to understand the geology and controls on the mineralization.

Introduction

From September 15th, 2014 to April 28th, 2015 Primero Mining Corp. (Primero) conducted a diamond drilling exploration program on its Stock Mill Site Property, on the following leases and patents: L70540, L70541, L70542, L76080, and PCL 5714. The purpose of the drill program was to follow up on previously outlined potential targets and historical drilling. A total of 10360.85 meters were drilled in 34 NQ sized diamond drill holes. The drill program was supervised by John Dixon, Exploration Manager, and Ali Gelinas, Exploration Geologist. Drilling was contracted to Norex Drilling of Timmins Ontario. Core recovered from this drill program is located at the Black Fox Complex Pine Road Exploration Site. All assay work was completed by Polymet Labs of Cobalt, Ontario, ISO 9001:2000 certified.

Property Location and Access

Primero's Stock Mill property is located approximately 60 kilometres east of Timmins, Ontario within Stock Township, in the Porcupine Mining Division of Northern Ontario. The site is accessible year round from provincial Hwy 101 via St Andrews road (Fig 1).



Figure 1: Stock Mill Site Property Location Map



2014-2015 Diamond Drilling Program

A compilation of historical data on the Stock Mill site was completed in early 2014. As a result, Primero became interested in following up several potential mineralized zones that were outlined near the already existing underground workings. On September 15th, 2015 Primero began a diamond drill program on its Stock Mill Site Property. See figure 2 for a map of the Stock Mill Site property. 34 NQ sized diamond drill holes were drilled on the Stock Mill Site property, see figure 3 for the 2014 – 2015 drill plan. In total 10360.85 meters were drilled, see table 2 for the 2014 – 2015 Stock Mill Site drill program summary. Each drill hole was logged in detail, see table 1 for major and sub zone lithology codes, and Appendix A for Drill Log Reports and Vertical Sections. Please note, vertical sections use sub zone lithology codes. The drill program was supervised by John Dixon, Exploration Manager, and Ali Gelinas, Exploration Geologist. Drilling was contracted to Norex Drilling of Timmins Ontario. Core recovered from this drill program is located at the Black Fox Complex Pine Road Exploration Site.

Stock Mill Site Diamond Drill Logging Code Legend Primero Mining Corp							
Major Lithology Codes Description Sub Zone Lithology Code Description							
ОВ	Overburden	OB	Overburden				
		UM	Ultramafic				
		CBUM	Carbonate Altered Ultramafic				
UM	Ultramafic	CGR	Green Carbonate Ultramafic				
		CGY	Grey Carbonate Ultramafic				
		TCL	Talc-Chlorite Altered Ultramafic				
N/N/	MaficValcanic	MV	Mafic Volcanic				
IVIV		BMV	Bleached Mafic Volcanic				
MI	Mafic Intrusive	MI	Mafic Instrusive				
DIA	Diabase	DIA	Diabase				
F 1	Folcie Intrusivo	FI	Felsic Intrusive				
ГІ	reisic intrusive	FIP	Porphyritic Felsics Intrusive				
SED	Metasediment	SED	Metasediment				
FZ	Fault Zone	FZ	Fault Zone				

Table 1: Stock Mill Site Diamond Drill Logging Code Legend





Figure 3: 2014 - 2015 Stock Mill Site Drill Plan

2014 - 2015 Stock Mill Site Drill Program Summary												
Primero Mining	Primero Mining											
Drill Hole	Property	Claim/Lease/PCL No.	Drill Start Date	Drill End Date	Core Size	Collar Dip	Collar Azimuth	Easting	Northing	Elevation	Casing Depth (m)	Total Depth (m)
S14-007	Stock Mill Site	PCL 5714	September 15, 2014	September 18, 2014	NQ	-62.00	350.00	518241.87	5377388.01	266.45	16.20	359.00
S14-008	Stock Mill Site	PCL 5714	September 18, 2014	September 25, 2014	NQ	-66.00	350.00	518242.40	5377386.06	266.79	15.00	481.00
S14-009	Stock Mill Site	PCL 5714	September 25, 2014	October 3, 2014	NQ	-62.00	350.00	518219.89	5377384.42	266.82	12.00	459.00
S14-010	Stock Mill Site	PCL 5714	October 6, 2014	October 8, 2014	NQ	-63.00	350.00	518200.75	5377379.44	266.70	12.00	186.85
S14-011	Stock Mill Site	PCL 5714	October 8, 2014	October 8, 2014	NQ	-63.00	350.00	518205.00	5377385.00	265.00	16.20	48.00
S14-012	Stock Mill Site	PCL 5714	October 8, 2014	October 15, 2014	NQ	-65.00	350.00	518205.00	5377384.00	265.00	15.00	469.00
S14-013	Stock Mill Site	PCL 5714	October 16, 2014	October 27, 2014	NQ	-66.00	350.00	518213.06	5377366.34	266.64	21.00	513.00
S14-014	Stock Mill Site	PCL 5714	October 27, 2014	November 6, 2014	NQ	-65.00	350.00	518167.98	5377352.99	265.74	30.60	526.00
S14-015	Stock Mill Site	PCL 5714	November 6, 2014	November 13, 2014	NQ	-63.00	350.00	518150.00	5377450.00	265.00	42.60	369.00
S14-016	Stock Mill Site	PCL 5714 and L70540	November 13, 2014	November 17, 2014	NQ	-56.00	0.00	518160.00	5377460.00	265.00	42.60	342.00
S14-017	Stock Mill Site	PCL 5714	November 18, 2014	November 24, 2014	NQ	-56.00	350.00	518137.00	5377452.00	265.00	40.20	144.00
S14-018	Stock Mill Site	PCL 5714	November 25, 2014	November 26, 2014	NQ	-57.50	350.00	518137.00	5377449.00	265.00	40.20	150.00
S14-019	Stock Mill Site	PCL 5714	November 27, 2014	December 11, 2014	NQ	-65.00	350.00	518050.00	5377301.00	265.00	13.20	621.00
S14-020	Stock Mill Site	PCL 5714	December 11, 2014	December 14, 2014	NQ	-65.00	350.00	518030.00	5377301.00	265.00	12.00	361.00
S14-021	Stock Mill Site	PCL 5714	December 14, 2014	January 27, 2015	NQ	-67.00	350.00	518030.00	5377298.00	265.00	9.00	633.00
\$15-022	Stock Mill Site	PCL 5714	January 28, 2015	February 9, 2015	NQ	-66.00	350.00	518010.00	5377290.00	265.00	18.00	641.00
\$15-023	Stock Mill Site	L76080 and L70542	February 10, 2015	February 17, 2015	NQ	-60.00	350.00	518744.71	5377627.62	264.56	33.00	212.00
S15-024	Stock Mill Site	L76080 and L70542	February 18, 2015	February 20, 2015	NQ	-60.00	350.00	518716.39	5377623.58	265.38	33.00	224.00
S15-025	Stock Mill Site	PCL 5714 and L70541	February 21, 2015	February 23, 2015	NQ	-63.00	350.00	518689.36	5377624.86	265.36	43.20	213.00
S15-026	Stock Mill Site	PCL 5714 and L70541	February 24, 2015	March 3, 2015	NQ	-63.00	350.00	518657.20	5377625.14	265.94	33.20	215.00
S15-027	Stock Mill Site	PCL 5714 and L70541	March 4, 2015	March 7, 2015	NQ	-61.00	350.00	518625.83	5377626.43	266.46	30.00	221.00
S15-028	Stock Mill Site	PCL 5714 and L70541	March 7, 2015	March 9, 2015	NQ	-63.00	350.00	518596.58	5377625.70	266.79	27.00	219.00
S15-029	Stock Mill Site	PCL 5714 and L70541	March 10, 2015	March 17, 2015	NQ	-66.00	350.00	518565.23	5377624.09	267.14	24.60	213.00
S15-030	Stock Mill Site	L76080 and L70542	March 17, 2015	March 19, 2015	NQ	-62.00	350.00	518802.05	5377623.09	264.63	36.60	204.00
\$15-031	Stock Mill Site	L76080 and L70542	March 19, 2015	March 21, 2015	NQ	-62.00	350.00	518778.14	5377624.46	264.90	34.20	204.00
S15-032	Stock Mill Site	L76080 and L70542	March 21, 2015	March 22, 2015	NQ	-62.00	350.00	518804.44	5377598.00	264.19	33.00	237.00
\$15-033	Stock Mill Site	L76080 and L70542	March 23, 2015	March 25, 2015	NQ	-62.00	350.00	518781.26	5377598.08	264.44	29.00	231.00
S15-034	Stock Mill Site	L76080 and L70542	March 25, 2015	March 31, 2015	NQ	-62.00	350.00	518746.81	5377599.00	265.02	36.00	240.00
\$15-035	Stock Mill Site	L76080, L70542, and L70541	April 1, 2015	April 8, 2015	NQ	-62.00	350.00	518717.64	5377594.55	265.43	42.60	252.00
\$15-036	Stock Mill Site	PCL 5714 and L70541	April 8, 2015	April 11, 2015	NQ	-62.00	350.00	518689.71	5377593.87	265.81	45.00	237.00
S15-037	Stock Mill Site	PCL 5714 and L70541	April 11, 2015	April 15, 2015	NQ	-62.00	350.00	518659.67	5377593.41	265.99	45.00	234.00
\$15-038	Stock Mill Site	PCL 5714 and L70541	April 15, 2015	April 22, 2015	NQ	-62.00	350.00	518626.20	5377593.65	266.47	37.20	240.00
\$15-039	Stock Mill Site	PCL 5714 and L70541	April 23, 2015	April 25, 2015	NQ	-63.00	350.00	518595.92	5377594.22	266.76	36.00	231.00
S15-040	Stock Mill Site	PCL 5714 and L70541	April 25, 2015	April 28, 2015	NQ	-66.00	350.00	518571.62	5377593.76	267.15	39.00	231.00
								* NAD 83 70	ne 17			

 Table 2: 2014 - 2015 Stock Mill Site Drill Program Summary

Drill Hole Summary

S14-007

This hole was drilled to a total of 359 meters; bedrock was intercepted at 16.20 meters. Due to the deviation of the azimuth and dip, this hole intersected the underground workings at 359 meters. As a result, the hole did not hit the intended target. The lithologies of this hole are predominately carbonate altered ultramafics with intermittent sericite +/- fuchsite and talc-chlorite alteration, and mafic volcanic units. Also, the hole intercepted several silicified felsic dykes, and a mafic intrusive unit. The best results returned 2.09 grams/tonne gold over 2 meters, in core length, at 155.80 to 157.80 meters down hole. Mineralization occurs in a silica altered felsic dyke with minor-moderate disseminated pyrite.

S14-008

This hole was drilled to a total depth of 481 meters; bedrock was intercepted at 15 meters. The lithologies of this hole are predominately carbonate altered ultramafics with intermittent sericite +/- fuchsite and talc-chlorite alteration, and mafic volcanic units. Also, the hole intercepted several silicified felsic dykes, and mafic intrusive units. No significant results returned.

S14-009

This hole was drilled to a total depth of 459 meters; bedrock was intercepted at 12 meters. The lithologies of this hole are predominately carbonate altered ultramafics with intermittent sericite +/- fuchsite and talc-chlorite alteration, and mafic volcanic units. Also, the hole intercepted several silicified felsic dykes, and a mafic intrusive unit. The best results returned 92.87 grams/tonne gold over 1 meter, in core length, at 163 to 164 meters down hole. Mineralization occurs in carbonate-fuchsite-sericite altered ultramafic volcanics with quartz-carbonate veining. Visible gold was noted. As well, 11.2 grams/tonne gold over 1 meter, in core length, at 357 to 358 meters down hole. Mineralization occurs in carbonate altered ultramafic volcanics with quartz-carbonate veining.

S14-010

This hole was drilled to a total depth of 186.85 meters; bedrock was intercepted at 12 meters. Due to the deviation of the azimuth and dip, this hole intersected the underground workings at 186.85 meters. As a result, the hole did not hit the intended target. The lithologies of this hole are predominately mafic volcanics and carbonate altered ultramafics with intermittent sericite +/- fuchsite alteration. Also, the hole intercepted a silicified felsic dyke, and several mafic intrusive units. No significant results returned.

S14-011

This hole was drilled to a total depth of 48 meters; bedrock was intercepted at 16.20 meters. Due to the deviation of the azimuth and dip the hole was shut down as it would have intersected the underground workings. This hole only intercepted mafic volcanics. No samples were taken.

S14-012

This hole was drilled to a total depth of 469 meters; bedrock was intercepted at 15 meters. The lithology of this hole is predominately carbonate altered ultramafics with intermittent sericite +/- fuchsite and talcchlorite alteration. Also, the hole intercepted several silicified felsic dykes, mafic intrusive units, and a mafic volcanic unit. The best results returned 7.45 grams/tonne gold over 3 meters, in core length, at 386 to 389 meters down hole. Mineralization occurs in carbonate altered ultramafic volcanics with quartzcarbonate veining, and with associated disseminated pyrite.

S14-013

This hole was drilled to a total depth of 513 meters; bedrock was intercepted at 21 meters. The lithology of this hole is predominately carbonate altered ultramafics with intermittent sericite +/- fuchsite and talcchlorite alteration. Also, the hole intercepted several silicified felsic dykes, mafic intrusive units, and mafic volcanic units. The best results returned 4.66 grams/tonne gold over 1 meter, in core length, at 479 to 480 meters down hole, and 6.31 grams/tonne gold over 1 meter, in core length, at 497 to 498 meters down hole. Mineralization occurs in carbonate altered ultramafics with quartz-carbonate veining.

S14-014

This hole was drilled to a total depth of 526 meters; bedrock was intercepted at 30.60 meters. The lithology of this hole is predominately carbonate altered ultramafics with intermittent sericite +/- fuchsite and talc-chlorite alteration. Also, the hole intercepted several silicified felsic dykes, mafic intrusive units, and mafic volcanic units. The best results returned 1.82 grams/tonne gold over 1 meter, in core length, at 224 to 225 meters down hole. Mineralization occurs in carbonate altered ultramafic volcanics with quartz-carbonate veining.

S14-015

This hole was drilled to a total depth of 369 meters; bedrock was intercepted at 42.60 meters. The lithology of this hole is predominately carbonate altered ultramafics with intermittent sericite +/- fuchsite and talcchlorite alteration. Also, the hole intercepted several silicified felsic dykes, and a mafic volcanic unit with intermittent sericite-carbonate alteration. The best results returned 2.24 grams/tonne gold over 5 meters, in core length, at 101 to 106 meters down hole. Mineralization occurs in carbonate-sericite-fuchsite altered ultramafic volcanics with quartz-carbonate veining.

S14-016

This hole was drilled to a total depth of 342 meters; bedrock was intercepted at 42.60 meters. The lithology of this hole is predominately carbonate altered ultramafics with intermittent sericite +/- fuchsite and talcchlorite alteration. Also, the hole intercepted several silicified felsic dykes, a mafic intrusive unit, and a mafic volcanic unit with intermittent sericite-carbonate alteration. The best results returned 3.22 grams/tonne gold over 2.65 meters, in core length, at 193.70 to 196.35 meters down hole. Mineralization occurs in sericite-carbonate altered mafic volcanics with quartz-carbonate veining with moderate associated pyrite.

S14-017

This hole was drilled to a total depth of 144 meters; bedrock was intercepted at 40.20 meters. The lithology of this hole is predominately carbonate altered ultramafics with intermittent sericite +/- fuchsite alteration. Also, the hole intercepted several silicified felsic dykes, a mafic intrusive unit, and a mafic volcanic unit. The best results returned 3.14 grams/tonne gold over 2.90 meters, in core length, at 78.80 to 81.70 meters down hole. Mineralization occurs in a silica-sericite altered felsic dyke.

S14-018

This hole was drilled to a total depth of 150 meters; bedrock was intercepted at 40.20 meters. The lithology of this hole is predominately carbonate altered ultramafics with intermittent sericite +/- fuchsite alteration. Also, the hole intercepted several silicified felsic dykes, and a mafic intrusive unit. The best results returned 2.19 grams/tonne gold over 0.90 meters, in core length, at 76.60 to 77.50 meters down hole. Mineralization occurs in carbonate-fuchsite altered ultramafic volcanics with quartz-carbonate veining.

S14-019

This hole was drilled to a total depth of 621 meters; bedrock was intercepted at 13.20 meters. The lithology of this hole is predominately carbonate altered ultramafics with intermittent sericite +/- fuchsite and talc-chlorite alteration. Also, the hole intercepted several silicified felsic dykes, mafic volcanics with intermittent carbonate-sericite alteration, and mafic intrusive units. The best results returned 5.62 grams/tonne gold over 8.60 meters, in core length, at 478.60 to 487.20 meters down hole. Mineralization occurs in carbonate-silica altered mafic volcanics and ultramafic volcanics with quartz-carbonate veining and minor to moderate disseminated pyrite.

S14-020

This hole was drilled to a total depth of 361 meters; bedrock was intercepted at 12 meters. Due to the deviation of the azimuth and dip, this hole intersected the underground workings at 361 meters. As a result,

the hole did not hit the intended target. The lithology of this hole is predominately carbonate aletered ultramafics with intermittent sericite +/- fuchsite and talc-chlorite alteration. Also, the hole intercepted several silicified felsic dykes, mafic volcanics with intermittent carbonate-sericite alteration, and mafic intrusive units. The best results returned 8.57 grams/tonne gold over 1.80 meters, in core length, at 264.80 to 266.60 meters down hole. Mineralization occurs in carbonate-silica altered ultramafics with silica-sericite-carbonate altered felsic dyke fragments.

S14-021

This hole was drilled to a total depth of 633 meters; bedrock was intercepted at 9 meters. The lithology of this hole is predominately carbonate altered ultramafics with intermittent sericite +/- fuchsite and talc-chlorite alteration. Also, the hole intercepted several silicified felsic dykes, mafic volcanics with intermittent carbonate-sericite alteration, and mafic intrusive units. The best results returned 5.89 grams/tonne gold over 3.17 meters, in core length, at 498.10 to 501.27 meters down hole. Mineralization occurs in a carbonate-silica altered ultramafic with quartz-carbonate veining and minor disseminated pyrite.

S15-022

This hole was drilled to a total depth of 641 meters; bed rock was intercepted at 18 meters. The lithology of this hole is predominately carbonate altered ultramafics with intermittent sericite +/- fuchsite and talc-chlorite alteration. Also, the hole intercepted several silicified felsic dykes, mafic volcanic with carbonate-sericite alteration, and a mafic intrusive unit. The best results returned 8.30 grams/tonne gold over 1 meter, in core length, at 353 to 354 meters down hole. Mineralization occurs in carbonate-sericite-fuchsite altered ultramafic volcanics with quartz-carbonate veining. As well, 2.51 grams/tonne gold over 7.8 meters, in core length, at 595.20 to 603 meters down hole. Mineralization occurs in an intermediate-felsic dyke with carbonate-silica alteration and within a carbonate altered ultramafic with quartz-carbonate veining.

S15-023

This hole was drilled to a total depth of 212 meters; bedrock was intercepted at 33 meters. The lithology of this hole is predominately carbonate altered ultramafics with intermittent sericite-fuchsite and talc-chlorite alteration. Also, the hole intercepted several silicified felsic dykes, mafic volcanics with intermittent carbonate-sericite alteration, a mafic intrusive unit, and a carbonate-sericite-silica altered metasedimentary unit. The best results returned 82.18 grams/tonne gold over 1 meter, in core length, at 32.70 to 33.70 meters down hole. Mineralization occurs in carbonate-sericite altered ultramafics with quartz-carbonate veining. As well, 9.60 grams/tonne gold over 1 meter, in core length, at 134 to 135 meters down hole. Mineralization occurs in a silica-carbonate-sericite altered felsic dyke.

S15-024

This hole was drilled to a total depth of 224 meters; bedrock was intercepted at 33 meters. The lithology of this hole is predominately carbonate altered ultramafics with intermittent sericite +/- fuchsite and talcchlorite alteration. Also, the hole intercepted several silicified felsic dykes, mafic volcanics with carbonatesericite alteration, and a sericite-silica altered metasedimentary unit. The best results returned 4.85 grams/tonne gold over 1.80 meters, in core length, at 80.50 to 82.30 meters down hole. Mineralization occurs in carbonate-sericite-fuchsite altered ultramafics with quartz-carbonate veining.

S15-025

This hole was drilled to a total depth of 213 meters; bedrock was intercepted at 43.20 meters. The lithologies of the hole are predominately carbonate altered ultramafic volcanics with intermittent sericite-fuchsite and talc-chlorite alteration, and mafic volcanics with carbonate-sericite +/- silica alteration. Also, the hole intersected several silicified felsic dykes and a carbonate-sericite-silica altered metasedimentary unit. The best results returned 2.28 grams/tonne gold over 5 meters, in core length, at 101 to 106 meters down hole. Mineralization occurs in carbonate-sericite-silica altered mafic volcanics with quartz-carbonate veining.

S15-026

This hole was drilled to a total of 215 meters; bedrock was intercepted at 33.20 meters. The lithology of this hole is predominately carbonate altered ultramafics with intermittent sericite-fuchsite and talc-chlorite alteration. Also, the hole intercepted several silicified felsic dykes, mafic volcanics with intermittent carbonate-sericite alteration, and a sericite-silica altered metasedimentary unit. The best results returned 1.58 grams/tonne gold over 2 meters, in core length, at 142 to 144 meters down hole. Mineralization occurs in sericite-carbonate altered mafic volcanic with quartz-carbonate veining.

S15-027

This hole was drilled to a total of 221 meters; bedrock was intercepted at 30 meters. The lithology of this hole is predominately carbonate altered ultramafics with intermittent sericite-fuchsite and talc-chlorite alteration. Also, the hole intercepted several silicified felsic dykes, mafic volcanics with intermittent carbonate-sericite alteration, and a sericite-carbonate altered metasedimentary unit. The best results returned 2.88 grams/tonne gold over 1 meter, in core length, at 120 to 121 meters down hole. Mineralization occurs in carbonate-sericite-silica altered mafic volcanics with quartz-carbonate veining.

S15-028

This hole was drilled to a total of 219 meters; bedrock was intercepted at 27 meters. The lithology of this hole is predominately carbonate altered ultramafics with intermittent sericite-fuchsite and talc-chlorite

alteration. Also, the hole intercepted several silicified felsic dykes, mafic volcanics with intermittent carbonate-sericite alteration, and a sericite-carbonate-silica altered metasedimentary unit. The best results returned 3.06 grams/tonne gold over 3 meters, in core length, at 33 to 36 meters down hole. Mineralization occurs in carbonate-sericite-fuchsite altered ultramafics with quartz-carbonate veining.

S15-029

This hole was drilled to a total of 213 meters; bedrock was intercepted at 24.60 meters. The lithologies of this hole are predominately carbonate altered ultramafics with intermittent sericite +/- fuchsite and talc-chlorite alteration and mafic volcanics with intermittent carbonate-sericite alteration. Also, the hole intersected a silicified felsic dyke and metasedimentary unit. The best results returned 3.50 grams/tonne gold over 0.60 meters, in core length, at 97.10 to 97.70 meters down hole. Mineralization occurs in carbonate-fuchsite altered ultramafics with quartz-carbonate veining and sericite-carbonate altered mafic volcanic xenoliths.

S15-030

This hole was drilled to a total of 204 meters; bedrock was intercepted at 36.60 meters. The lithologies of this hole are predominately carbonate altered ultramafic volcanics with intermittent sericite and talc-chlorite alteration, and mafic volcanics with intermittent carbonate-sericite alteration. Also, the hole intersected several silicified felsic dykes and a mafic intrusive unit. The best results returned 6.79 grams/tonne gold over 1 meter, in core length, at 151 to 152 meters down hole and 3.1 grams/tonne gold over 1.90 meters, in core length, at 156.10 to 158 meters down hole. Mineralization occurs in carbonate-sericite altered mafic volcanics with quartz-carbonate veining and silicified felsic dykes.

S15-031

This hole was drilled to a total depth of 204 meters; bedrock was intercepted at 34.20 meters. The lithologies of this hole are predominately carbonate altered ultramafic volcanics with intermittent sericite +/- fuchsite and talc-chlorite alteration, and mafic volcanics with intermittent carbonate-sericite alteration. Also, the hole intersected several silicified felsic dykes and mafic intrusive units. The best results returned 1.78 grams/tonne gold over 0.80 meters, in core length, at 164.80 to 165.60 meters down hole. Mineralization occurs in a silicified felsic dyke with quartz-carbonate veining.

S15-032

This hole was drilled to a total depth of 237 meters; bedrock was intercepted at 33 meters. The lithologies of this hole are predominately carbonate altered ultramafic volcanics with intermittent sericite and talcchlorite alteration, and mafic volcanics with intermittent carbonate-sericite alteration. Also, the hole intersected several silicified felsic dykes and mafic intrusive units. The best results returned 2.26 grams/tonne gold over 1 meter, in core length, at 211 to 212 meters down hole. Mineralization occurs in carbonate altered ultramafics.

S15-033

This hole was drilled to a total depth of 231 meters; bedrock was intercepted at 29 meters. The lithologies of this hole are predominately carbonate altered ultramafic volcanics with intermittent fuchsite-sericite and talc-chlorite alteration, and mafic volcanics with intermittent carbonate-sericite alteration. Also, the hole intersected several silicified felsic dykes, mafic intrusive units, and a minor silicified metasedimentary unit. The best results returned 6.57 grams/tonne gold over 2.70 meters, in core length, at 181.90 to 184.60 meters down hole. Mineralization occurs in carbonate-sericite-silica altered mafic volcanics with quartz-carbonate veining. As well, 4.03 grams/tonne gold over 6 meters, in core length, at 192 to 198 meters down hole. Mineralization occurs in carbonate-sericite-silica altered with quartz-carbonate veining.

S15-034

This hole was drilled to a total depth of 240 meters; bedrock was intercepted at 36 meters. The lithologies of this hole are predominately carbonate altered ultramafic volcanics with intermittent talc chlorite alteration, and mafic volcanics with intermittent carbonate-sericite alteration. Also, the hole intersected a silicified felsic dyke, mafic intrusive unit, and a carbonate-sericite altered metasedimentary unit. The best result returned 1.96 grams/tonne gold over 2.10 meters, in core length, at 127.90 to 130 meters down hole. Mineralization occurs in carbonate-sericite bleached mafic volcanics with quartz-carbonate veining.

S15-035

This hole was drilled to a total of depth 252 meters; bedrock was intersected at 42.60 meters. The lithology of this hole is predominately carbonate altered ultramafic volcanic rocks with intermittent weak-moderate fuchsite, sericite, and talc-chlorite alteration. Also, the hole intersected several silicified felsic dykes, carbonate-sericite altered mafic units, mafic intrusive units, and a carbonate altered metasedimentary unit with intermittent silica-sericite alteration. The best results returned 1.70 grams/tonne gold over 1.70 meters, in core length, at 140.50 to 142.20 meters down hole. Mineralization occurs in carbonate-sericite altered ultramafics and mafic rock with quartz-carbonate veining. As well, 11.86 grams/tonne gold over 0.90 meters, in core length, at 168.20 to 169.10 meters down hole. Mineralization occurs in carbonate-sericite bleached mafic volcanics with quartz-carbonate veining.

S15-036

This hole was drilled to a total depth of 237 meters; bedrock was intersected at 45 meters. The lithology of this hole is predominately carbonate altered ultramafic volcanic rocks with intermittent fuchsite-sericite and talc-chlorite alteration. Also, the hole intersected several silicified felsic dykes, carbonate-sericite

altered mafic units, mafic intrusive units, and a carbonate altered metasedimentary unit with intermittent silica-sericite alteration. The best results returned 3.50 grams/tonne gold over 1 meter, in core length, at 140 to 141 meters down hole. Mineralization occurs in carbonate-fuchsite-sericite altered ultramafic with quartz-carbonate veining.

S15-037

This hole was drilled to a total depth of 234 meters; bedrock was intersected at 45 meters. The lithologies of this hole are predominantly carbonate altered ultramafic and mafic volcanic rocks. Also, the hole intersected several silicified felsic dykes, mafic intrusive units, and a carbonate altered metasedimentary unit with intermittent sericite-silica alteration. The best results returned 1.49 grams/tonne gold over 5.35 meters, in core length, at 164.55 to 169.90 meters down hole. Mineralization occurs in sericite-carbonate bleached mafic volcanics with quartz-carbonate veining. As well, 5.43 grams/tonne gold over 2.9 meters, in core length, at 191.20 to 194.10 meters down hole. Mineralization occurs in sericite-carbonate altered ultramafics with quartz-carbonate veining.

S15-038

This hole was drilled to a total depth of 240 meters; bedrock was intersected at 37.20 meters. The lithology of this hole is predominately carbonate altered ultramafic volcanic rocks with intermittent fuchsite-sericite and talc-chlorite alteration. Also, the hole intersected several silicified felsic dykes, several carbonate to calcite altered mafic intrusive units, and a carbonate altered metasedimentary unit with intermittent silica-sericite alteration. The best results returned 2.95 grams/tonne gold over 2 meters, in core length, at 95.60 to 97.60 meters and 7.89 grams/tonne gold over 0.90 meters, in core length, at 100.40 to 101.30 meters down hole. Mineralization is associated with carbonate-sericite-fuchsite altered ultramafics with quartz-carbonate veining.

S15-039

This hole was drilled to a total depth of 231 meters; bedrock was intersected at 36 meters. The lithology of this hole is predominately carbonate altered ultramafic volcanic rocks with intermittent fuchsite-sericite and talc-chlorite alteration. Also, the hole intersected several silicified felsic dykes, mafic intrusive units, and a carbonate altered metasedimentary unit with intermittent silica-sericite alteration. The best results returned 6.17 grams/tonne gold over 1 meter, in core length, at 45 to 46 meters down hole. Mineralization occurs in a sericite-silica altered ultramafic unit with minor limonite oxidation.

S15-040

This hole was drilled to a total depth of 231 meters; bedrock was intersected at 39 meters. The lithology of this hole is predominately carbonate altered ultramafic volcanic rocks with intermittent fuchsite-sericite

alteration. Also, the hole intersected carbonate altered mafic volcanics and metasedimentary units. No significant results returned.

Sampling Procedure and Analysis

Samples were taken over zones that indicate potential mineralization. Each sample was split into two equal halves, one half was sent for fire assays and the other half was left in the core box and stored. Each sample was given a sample number, one sample tag was sent with the sample to the lab, one remains in the sample book, and the third tag is stapled in its respective spot in the core box. In the case of duplicate samples, the half core to be sent to the lab was quarter cut with each quarter being given a different sample number and then being submitted to the lab. Both sample tags to be retained in the core box were stapled at the beginning of the duplicate sample interval. Standard Fire Assay for gold was completed on all samples. All assay work was completed by Polymet Labs of Cobalt, Ontario. Polymet is ISO 9001:2000 certified in North America for standard fire assay. See Appendix B for Assay Certificates.

QA/QC

Quality control sampling involved the placing of blanks, standards, and duplicates within every batch of 20 samples. These QAQC samples are randomly assigned, such that in each batch of 20 samples there was one blank one duplicate and one standard. Three different standards were used; the insertion of the standard material was random. Records of these samples were recorded in the sample books, and entered into the diamond drill log. Regular QA/QC checks were performed on all assay data received from the lab, and on the drill hole database.

Conclusions and Recommendations

Mineralization was intersected in most holes, and typically occurs with quartz-carbonate veining in carbonate +/- fuchsite-sericite altered ultramafic volcanics, carbonate-sericite altered mafic volcanics, and silicified felsic dykes. Mineralization occurs as narrow zones, typically with lower gold grades. However, a few narrow anomalous samples returned. Due to the narrow and low grade results the drill program ended on April 28th, 2015.

Although mineralization appears to be narrow, more work needs to be completed to get a better overall understanding of the geology and the controls on the mineralization. A more detailed examination on historical data should be completed to gain better insight into the former producing Stock Mine as it can improve exploration efforts in the future.

Personnel

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Norex Drilling 7210 Highway 101 East Porcupine, Ontario, Canada PON 1C0 Appendix A Diamond Drill Logs and Vertical Sections Appendix B Assay Certificates Appendix C Summary of Qualifications

Certificate of Qualification

I John A Dixon, MA P.Geo do hereby certify that:

- I am a resident of Ontario residing at 1169 Pine Road, Matheson, POK 1N0
 I am Exploration Manager-Northern Ontario for Primero Mining.
- 3 I graduated with a Masters degree from Wilfrid Laurier University in 1978
- 4 I am a registered professional geoscientist in Ontario, registration number 1371.
- 5 I have practiced my profession continuously since 1978.
- 6 I have visited the Stock Mine Site and supervised all phases of this report.

Dated this 20th day of June, 2016

John A Dixon MA P.Geo

Certificate of Author

I Ali Gelinas, BSc. (Hons), G.I.T., do hereby certify that:

- 1. I am a resident of Ontario residing at 753 Sheridan Avenue, Iroquois Falls, POK 1G0
- 2. I am an Exploration Geologist for Primero Mining
- 3. I am currently registered as a geoscientist in training in the province of Ontario
- 4. I graduated with a Bachelor's of Science with Honors degree from Laurentian University in 2012
- 5. I have worked as a geoscientist in training for the past 4 years
- 6. I am responsible for the preparation of this report
- 7. I have visited the property and was responsible for the management of the drilling program

Dated this 20th day of June, 2016

Ali Gelinas, B.Sc. (Hons), G.I.T.