Drill on the
West Porcupine Project
Sewell, Reeves, Kenogaming, and Penhorwood Townships.
Porcupine Mining Division
District of Sudbury and Cochrane
Ontario

NTS 42 B/1

By
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Robert S. Middleton, P. Eng

March 28, 2006

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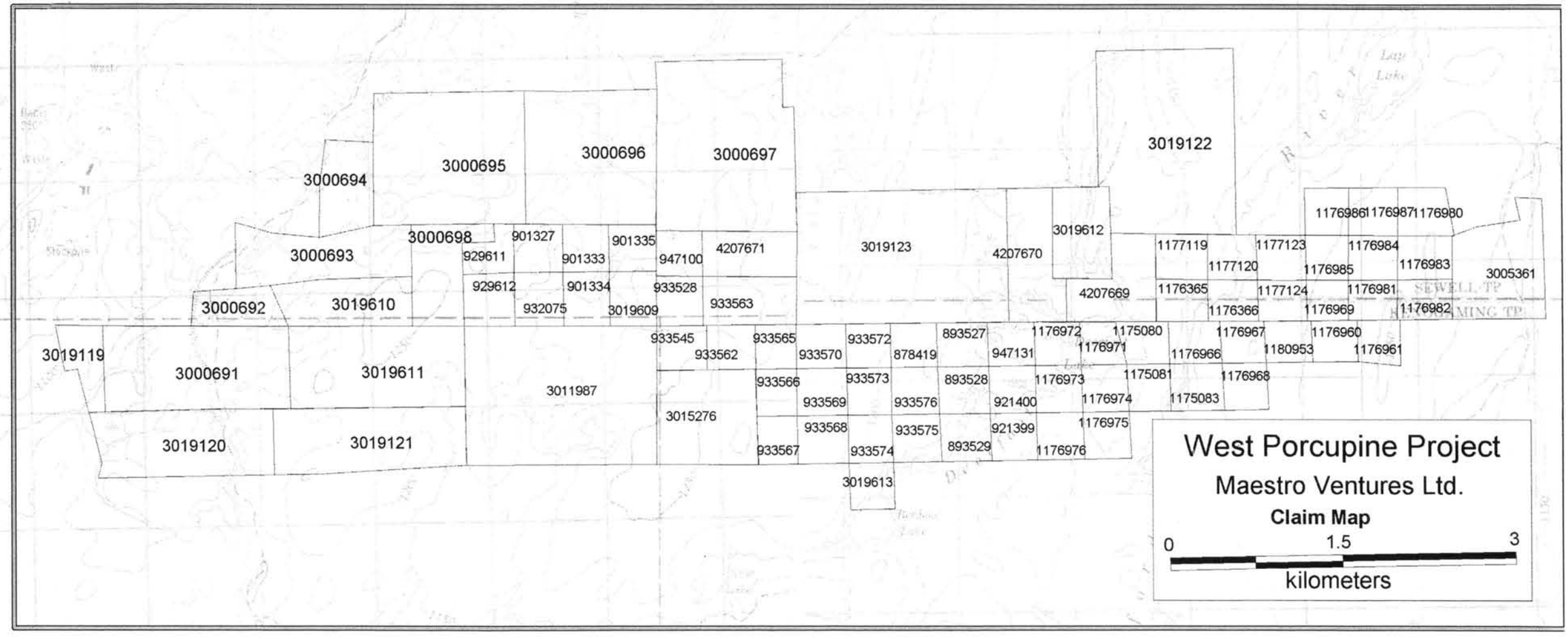
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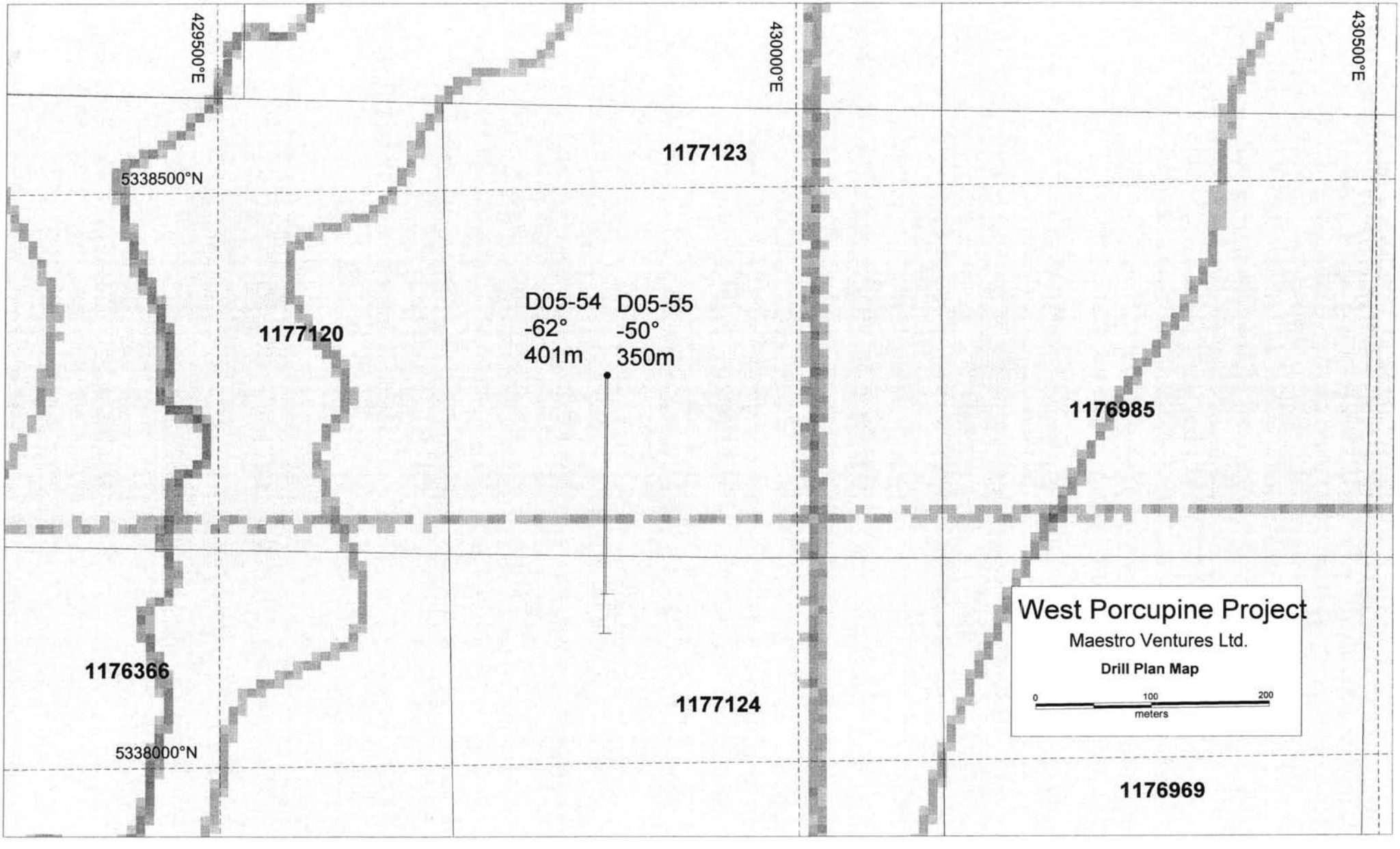
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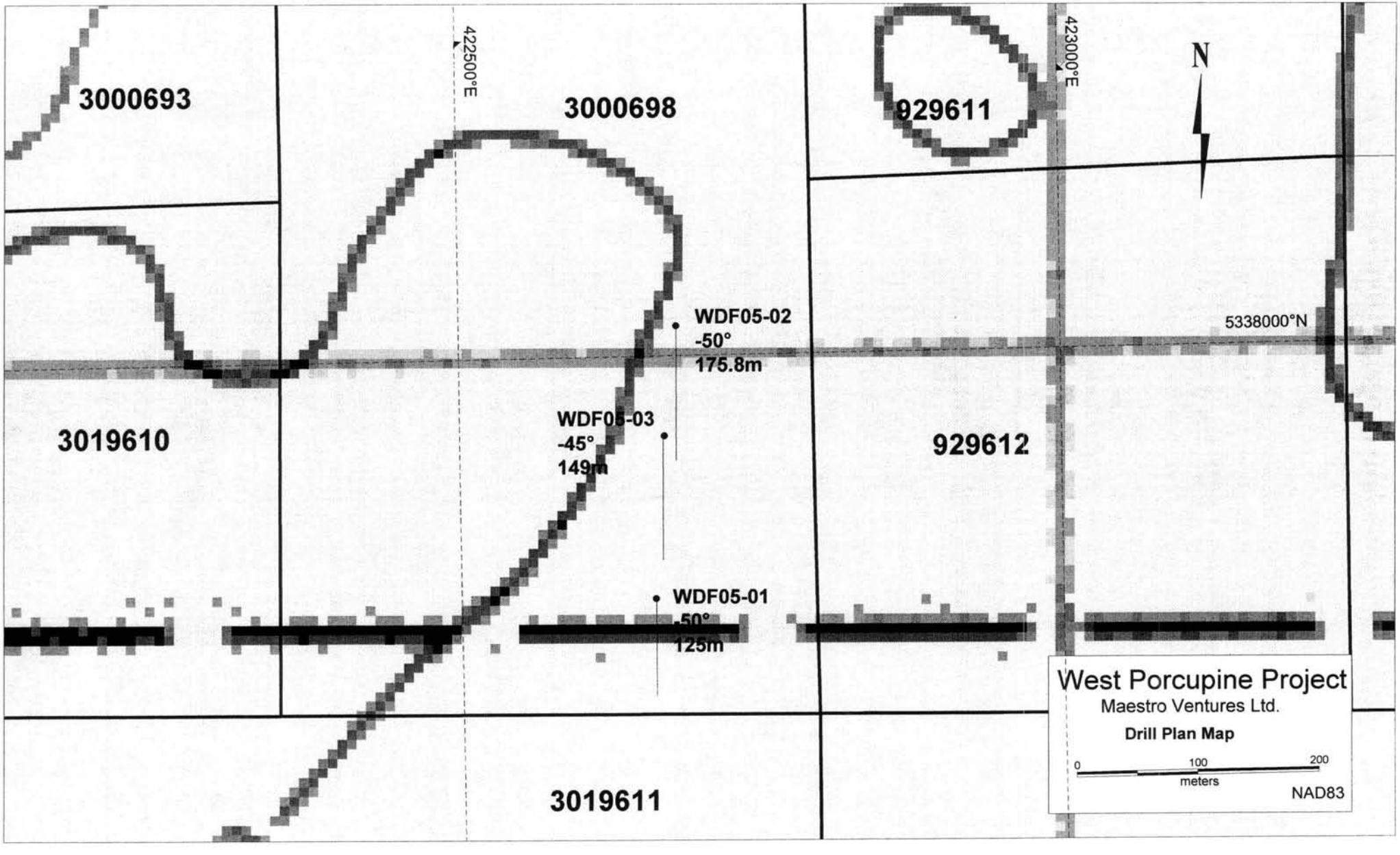
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INTRODUCTION

This report details the diamond drilling conducted on the West Porcupine Project, Sewell, Reeves, Kenogaming, and Penhorwood townships, Timmins ON (West Porcupine). A total of five drill holes were drilled from mid-September to late October. Three drill holes (WDF05-01 to 03) were designed to create a cross-section along a series of previously untested IP (induced polarization) anomalies discovered in 2004 (Grant, 2004). The remaining two drill holes (DF05-53 and 54) tested the up plunge of a known gold occurrence (intersected in 1994 by Hemlo Gold Mines).

PROPERTY DESCRIPTION AND LOCATION

The West Porcupine property is located 3 miles (4.8 km) south of Hwy 101, and 34 miles (48 km) southwest of Timmins, Ontario. The property extends 6 miles or 10 km along a section of the Destor Porcupine Fault. The NTS reference is 42B/1 and the geographic grid coordinates are $48^0$12' N lat. and 81°57' W longitude.

The base line 0+00 follows the south boundary of Sewell Twp. in the Deerfoot Lake area. An all weather gravel road (the Kenogaming Road) joins Hwy 101 and the property. Travel time from the property by car or pickup truck is roughly 45-50 minutes to Timmins. A network of drill roads and lumber roads cross the property providing easy access.

PREVIOUS WORK

The West Porcupine project consists of 200 claim units located 34 miles (50 km) southwest of Timmins, Ontario and covers a 10 km long section of geology that contains the identical volcanic suite and porphyry intrusions that are found in the Timmins Gold Camp, as well as the extension of the Destor Porcupine Fault. Exploration on the present property began in 1986 by Glen Auden Resources Limited (now Mega Uranium Ltd.) and Goldrock Resources Inc. (now Canadian Golden Dragon Resources Ltd.). The property has undergone several phases of exploration in joint ventures with American Barrick Resources (1988 – 1989), Noranda Exploration Company (1990 – 1992), Hemlo Gold Mines (1993 – 1996), Battle Mountain Gold Co. (1996 – 2000) and Newmont Mining (2001 - 2002).

The following summary of work is taken from Middleton (2005);

> "In 1994 IP surveys and a diamond drill program that commenced in October of 1994 with hole 94-11. The approach used by Hemlo was to continue drilling cross sections of the Destor-Porcupine Fault trend in the vicinity of a section drilled the previous year in holes 93-8, 9, and 10. Green carbonate zones, sheared porphyry and narrow veins with assays of 500 – 1000 ppb gold were intersected in these holes, which was the first sign of a favourable environment. Subsequently holes 94-11 and 94-12 were drilled on section 4300E, 400 metres to the west of 8, 9, and 10 intersected a wide 200 meter section of quartz eye porphyry containing molybdenum which was an identical setting to the Pearl Lake porphyry located adjacent to the McIntyre and Hollinger

gold mines in Timmins. Another section on the 5200E was then drilled 400 m east of 8, 9 , and 10, where hole 94-13 intersected 0.613 oz. Au / 4.26 ft. in a quartz vein setting. Holes 94-15 and 16 were then drilled in the Four Corners area 4 km to the west and a wide carbonate alteration zone was intersected with assays in the 300 – 1000 ppb range. Hole 94-17 was then drilled 400 m west of 94-12 to test the porphyry. At this point, with gold assays from 94-13, the drill was moved 400 m east of 94-13 on line 5500E, and hole 94-18 was completed. A 260 foot (78.8 m) wide silicified carbonate zone was intersected with disseminated pyrite sections that assayed of 0.19 oz. Au / 39 ft. as well as anomalous gold values across the 260 foot wide alteration zone. Details of the assays are given in the attached table. Hole 19 was the drilled between 13 and 18, and anomalous gold values were intersected. Holes 20, 21, and 22 were drilled on 200 m step outs to the east of 18 and to the west. After the Christmas break, 95-23 and 24 were drilled below 18 and 21 respectively (see Drill Section Fig. 5), and 0.61 oz. Au over 3.28 feet was intersected in 23, over 450 feet (150 m) below the gold zone in 94-18. Hole 24 passes 800 feet (242 m) below 94-21, leaving a large gap in the geological knowledge, which should be addressed by future drill programs. Four step out holes were drilled further east, namely 95-25, 26, 27, and 28, which intersected the alteration zone but did not have significant assays. A cross section was then drilled to the north to test for parallel veins, (holes 95-29, 30, and 31)(see attached drill plan Fig. 3 and 4).

In August 1995, another six holes were drilled and a detailed compilation of all geophysical data was completed which defined the westward extension of the Destor Porcupine Fault system and important splays.

Further geophysical surveys and drilling were planned for the Penhorwood section of the property particularly, in an effort to cover and east-west fault that parallels the Destor in this area and this work was completed by Battle Mountain Canada Ltd. and Hemlo Gold Mines Ltd. in 1996.

The 1994 gold discovery is hosted in a highly deformed structural zone that is interpreted to be a segment of the Destor Porcupine Fault and the gold mineralization is associated with disseminated pyrite >10% in a wide zone of silification and albitization. Assays up to 43.44 grams gold/tonne over 1.5 m were obtained. Other zones in hole 94-18 include 6.66 grams over 2 m.

Assaying completed on the 3 new holes yielded several narrow 1 m intercepts that graded in the 1 – 4 g/tonne Au range within zones of carbonate-silicification-albitization and disseminated pyrite mineralization. A 3 m sulphide quartz carbonate zone occurred 25 m above the 6.66 gm/2 m intersection in hole 94-18. This work suggests that there is a number of dipping lenses within the large deformation zone that are worth following up with additional drilling, due to their similar appearance to zones found at the Delnite and Aunor Mines in Timmins and the Lightning Zone in the Harker Holloway area east of Timmins.

Subsequently a magnetic and VLF EM survey was completed on the Reeves Sector of the property, followed by an IP survey, Grant J. (August 2004). The drilling of hole WP05-01 was to test two IP anomalies on L0+00W, between 1N and 2N on the east boundary of Reeves Twp. A major shear zone with sericite-carbonate alteration was intersected with only occasional anomalous gold assays. The IP anomaly was caused by a high percentage of pyrite in the sheared basalts."

A three hole program of 729 m was completed by Mega Uranium Corp. and Canadian Golden Dragon Resources Ltd. in March 2003. This consisted of 3 holes in section on line 5500E to test the upward projection of the zones intersected in hole DF94-18. Hole DF03-51 at 75^0 was drilled to 269 m, hole DF03-52 at -68^0 was drilled to 251 m and hole DF03-53 at -59^0 was drilled to 209 m all from station 325N. Extensive silicification-carbonate-albitization zones with disseminated pyrite were encountered which traced the upward continuation of the mineralization found in hole DF94-18. Several narrow 0.1-1.2 m wide zones assaying 1 – 4 grams gold/tonne were intersected along with wide

zones of anomalous gold values ranging from 50 ppb to 900 ppb. Zinc, lead, and molybdenum are often associated with gold in these holes.

PROPERTY GEOLOGY

The following is from Middleton, 2005:

> "The West Porcupine property is situated on the west end of the Abitibi greenstone belt and within 50 km of the Kapuskasing structure that terminates the Abitibi Belt as originally outlined by Goodwin and Riddler (1970).
>
> The Sewell-Reeves-Penhorwood-Kenogaming Twp. area is underlain by an Archean sequence of volcanic rocks that are equivalent to the Deloro and Tisdale Group of rocks found in the Timmins gold camp, Pyke, D. R. et al(1978). The four townships that cover the property were mapped by Milne, V. (1972). All of the major gold deposits in Timmins are hosted in the Tisdale Group of ultramafics, iron and magnesium thoeliites (basalts) and interflow graphite sediments. Conglomerates unconformaly overlay the Tisdale volcanics which mark the beginning of the Porcupine Group of Sediments. Some gold mineralization is also found in the Porcupine Group at the Pamour No.1 and the Dome mine, Rogers D. (1980), but the highest concentrations are found within ankerite (iron carbonate) alteration zones hosted in mafic Tisdale volcanics that are peripheral to quartz eye porphyry intrusions, Karvinen W. O. (1980, 1982). Age dating of the Tisdale volcanics (zirons) has yielded dates of 2705 my where as porphyries are dated at 2685 my. It is therefore apparent that the porphyries are high level intrusions that acted as heat engines to circulate the mineralizing fluids.
>
> Structural control of gold deposits is also very important, Hodgson, C. J. (1983). The major regional structure in the Timmins-Porcupine Gold camp that has created the majority of the control structures is the Destor-Porcupine Fault. Related shear zones along fold axis, fold noses and a variety of other fault structures control a large amount of the gold mineralization and pathways for the mineralizing fluids within the Timmins Camp.
>
> It has now been established that the Destor Porcupine Fault extends westward from the Timmins area to the Sewell-Kenogaming-Penhorwood area and this structure passes through the property. Splay faults such as the Sewell Splay Fault branch off in an east-west direction and extend across the property. Carbonate alteration and sericite alteration often accompany these splay faults and this can be observed in outcrops in the "Four Corners" area at the junction of Sewell-Reeves-Kenogaming and Penhorwood Townships.
>
> Drilling in 1993 – 1994 located a structural zone trending N70^{0}E south and east of Deerfoot Lake that trended from northern Kenogaming Twp. into Sewell Twp. east of Deerfoot Lake. This sheared, fuscite altered (green mica) sericitized, chloritized shear structure is interpreted to be part of the west projection of the Destor Porcupine Fault that extends westward from Timmins.
>
> A large (over 200 m wide) quartz eye porphyry containing molybdenum (molybdenite) was cut by holes 94-12, 13 and 17 on the south side of Deerfoot Lake and subsequent drilling along the Destor trend to the east of this point intersected a large (260 foot wide 78.8 m) silicification zone with pyrite that yielded high grade gold assays 43.44 grams Au/tonne over 1.5 m in hole 94-18. The highest gold values correlate with pyrite >10% and/or laminated quartz-pyrite chlorite-ankerite zones.
>
> Drilling completed in March 2003 intersected extensive silicification-carbonate-albitization with disseminated pyrite on line 5500E which traced the upward continuation of the mineralization found in hole DF94-18 (see History of Exploration). Several narrow 0.1-1.2 m wide zones

assaying 1 – 4 grams gold/tonne were intersected showing that the gold bearing system is extensive and will require further drill follow up to trace the plunge of the system (see Fig 4 and 5 for plan and section). Wide zones of anomalous gold values ranging from 50 ppb to 900 ppb occur. Zinc, lead, and molybdenum are often associated with gold in these holes"

DATES of WORK

Norex Drilling Limited was contracted to drill the five drill holes. Mobilization of the drill began on September 18, 2005 with the final drill hole being finished and the drill demobilized on October 19, 2005.

SAMPLING METHODS

Drill core was orientated with foliation pointing to the upper left. The core was manually split with a hydraulic splitter perpendicular to foliation, then sent to Swastika Laboratories in Swastika, ON for gold fire assay analysis (30 gram sample 1 assay tonne) with an AA finish. Blind standards were submitted with the samples associated with DF05-54 and 55.

There was excellent core recovery for all zones.

RESULTS

WDF05-01 thru 03-The three drill holes were drilled in section (from north to south the drill holes are 02, 03 and 01) to test unknown IP anomalies. The anomalies were determined to be graphitic sediments with sulphides.

WDF05-01-The drill hole encountered variable altered (carbonate) mafic volcanics with disseminated to trace sulphides often associated with quartz/carbonate veining. In addition graphitic sediments were encountered at 27.6-28.8m. Two thin diabase dikes were intersected near the end of hole.

WDF05-02-Mafic volcanics (strongly to moderately carbonate altered with sericite patches) constitue most of the drill hole. Graphitic sediments with sulphides are found from 59.0-66.3m and are cut by a lamprophyre dike at 60.9-63.3m.

WDF05-03-The drill hole consists of mafic to intermediate volcanics with tuffaceous sediments. A porphyry was encountered from 30.6-54.9m.

DF05-54 & 55-These two holes were drilled in section, from the same set up, with 54 drilled at -62° and 55 at -50°. The drill holes consisted of mafic volcanics with thin feldspar and quartz-feldspar porphyries cross cutting. In addition severely altered (talc, carbonate) ultramafic bodies of variable thickness were encountered. Anomalous gold values were encountered in several sections through the hole with individual assays returning values of up to 4.0 g/tonne over 1m.

Hole	From (m)	To (m)	Interval (m)	Au g/tonne	Au Check
WD05-55	176.25	177.50	1.25	0.21	0.19
WD05-55	237.00	238.00	1.00	1.61	1.64
WD05-55	243.00	244.00	1.00	0.12	-
WD05-55	244.00	245.00	1.00	0.00	-
WD05-55	245.00	246.00	1.00	1.00	-
WD05-55	246.00	247.00	1.00	0.09	-
WD05-55	247.00	248.00	1.00	0.00	-
WD05-55	248.00	249.00	1.00	0.00	-
WD05-55	249.00	250.00	1.00	0.01	-
WD05-55	250.00	251.00	1.00	0.26	0.32
WD05-55	251.00	252.00	1.00	0.13	-
Weighted Average			9.00	0.18	
WD05-55	264.00	265.00	1.00	0.14	-
WD05-55	265.00	266.00	1.00	0.23	0.18
WD05-55	266.00	267.00	1.00	0.15	-
Weighted Average			3.00	0.17	
WD05-55	279.00	280.00	1.00	3.98	3.27
WD05-55	280.00	280.74	0.74	0.41	-
WD05-55	280.74	281.61	0.87	0.08	-
WD05-55	281.61	283.00	1.39	0.00	-
WD05-55	283.00	284.00	1.00	0.35	-
WD05-55	284.00	285.00	1.00	3.70	4.20
WD05-55	285.00	286.00	1.00	0.04	-
WD05-55	286.00	287.00	1.00	0.00	-
WD05-55	287.00	288.00	1.00	0.07	-
WD05-55	288.00	289.00	1.00	1.04	-
WD05-55	289.00	290.00	1.00	0.33	-
Weighted Average			11.00	0.90	
WD05-55	298.00	299.00	1.00	0.38	-
WD05-55	299.00	300.00	1.00	0.13	-
WD05-55	300.00	301.00	1.00	0.00	-
WD05-55	301.00	302.00	1.00	0.13	-
WD05-55	302.00	303.00	1.00	0.00	-
WD05-55	303.00	304.00	1.00	0.29	-
WD05-55	304.00	305.00	1.00	0.69	0.63
WD05-55	305.00	306.00	1.00	0.12	-
WD05-55	306.00	307.00	1.00	0.14	-
Weighted Average			9.00	0.21	
WD05-55	309.00	310.00	1.00	0.28	-
WD05-55	310.00	311.00	1.00	2.99	3.07
WD05-55	311.00	312.00	1.00	0.65	-
WD05-55	312.00	313.00	1.00	0.41	-
WD05-55	313.00	314.00	1.00	0.43	-
WD05-55	314.00	315.00	1.00	0.27	-
WD05-55	315.00	316.00	1.00	0.48	-
Weighted Average			7.00	0.79	

Hole	From (m)	To (m)	Interval (m)	Au g/tonne	Au Check
WDF05-54	304.00	305.00	1.00	0.11	-
WDF05-54	305.00	306.00	1.00	0.03	-
WDF05-54	306.00	307.00	1.00	0.01	-
WDF05-54	307.00	308.00	1.00	0.10	-
WDF05-54	308.00	309.00	1.00	0.13	-
WDF05-54	309.00	310.00	1.00	0.10	-
WDF05-54	310.00	311.00	1.00	0.36	0.42
WDF05-54	311.00	312.00	1.00	0.20	-
Weighted Average			8.00	0.13	
WDF05-54	318.00	319.25	1.25	0.88	0.67
WDF05-54	362.00	363.00	1.00	0.12	-
WDF05-54	363.00	363.50	0.50	0.07	-
WDF05-54	363.50	364.00	0.50	0.30	0.28
WDF05-54	364.00	365.00	1.00	2.96	3.12
Weighted Average			3.00	1.09	
WDF05-54	395.85	396.85	1.00	0.14	-
WDF05-54	396.85	397.80	0.95	0.12	-
WDF05-54	397.80	398.80	1.00	0.49	0.32
WDF05-54	398.80	399.80	1.00	0.23	-
Weighted Average			3.95	0.25	

CONCLUSIONS and RECOMMENDATIONS

The IP anomalies along L18+00W were determined to be the result of graphitic sediments (WDF05-01 thru 03) with no significant gold mineralization. The geology of the area (alteration, mineralization and rock type) is favourable for gold mineralization. The additional IP anomalies resulting from Grant (2004) should be followed up on with additional drill holes.

Holes DF05-54 & 55 were designed to follow the gold mineralization identified in 1995 by Hemlo Gold and followed up on by 2003 drilling by Canadian Golden Dragon and Mega Uranium. Correlation of values from sections 5500E (1995 and 2003 drilling) and 54+50E (current drilling) indicates that drill holes DF05-54 & 55 passed above (up plunge) of the significant gold values (43.4 g/1.5m; 20.9g/1.5m) intersected by Hemlo. DF05-54 & 55 mimics the results obtained from DF03-51 & 52 (see Figure 3).

Additional drilling to follow the suspected down plunge in a westerly direction of the high value gold zone is recommended.

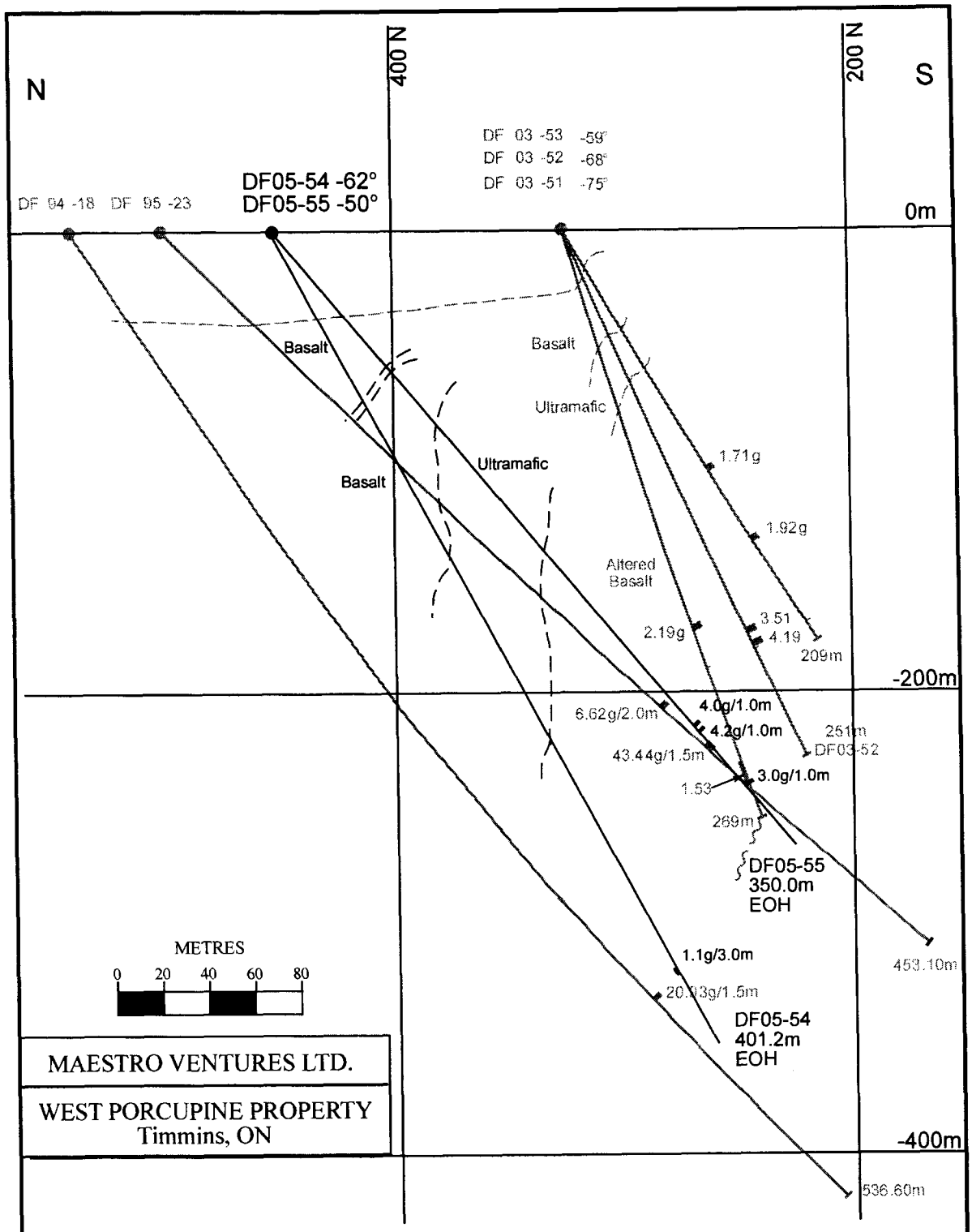

Figure C: Superimposition of 5500E (Hemlo's 1994-5 and Canadian Goldend Dragon's 2003 drilling; light grey) and 54+50E (Maestro's 2005 drilling; black). Significant assays shown.

STATEMENT OF COSTS

Norex Drilling Limited	$89,019
Core Shack Rental	$1,070
Core splitting (R. Guillemette, K. Guillemtte, J. Armes)	$2,391
Swastika Laboratories Ltd.	$5,537
J.R. Johnson Geological Services	$9,831
Logdings, meals, gas	$4,024
Company Truck rental	$2,100
R. Middleton	$2,000
Total	**$115,972**

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MAPS

Claim Maps

Sewell Township	G-3247	scale 1 inch to ½ mile
Penhorwood Township	G-3244	scale 1 inch to ½ mile
Kenogaming Township	G-3239	scale 1 inch to ½ mile
Reeves	G-	scale 1 inch to ½ mile

Geophysical Maps

ODM-GSC Aeromagnetic Maps

2247G 1" = 1 mile
2248G 1:63,560
2263G
2264G

Ontario Geological Survey (1990): Airborne Electromagnetic and total intensity magnetic survey, North Swayze-Montcalm area, Ontario. MAPS 81370, 81371, 81372, 81377, 81378. Scale 1:20,000
(Geotem EM and Magnetic Survey)

Statement of Qualifications

I, Justin R. Johnson, am a graduate of Lakehead University H. BSc. Geology (2001), H. BSc. Geology with Physics (2001) and Master of Science (Geology; 2005).

I have been employed:
2000 (July – August) –North American Palladium, Lac des Illes (waste rock sampling)

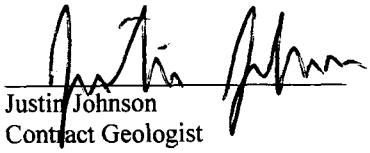
2001-2006 – Contract Geologist

I am a geologist and have been employed as a contract geologist since 2001, My address is 101 Whalen St., Thunder Bay, ON P7A 7H9.

I wrote this report and completed it on March 27, 2006.

I am not aware of any material fact or material changes with respect to the subject matter of this report which is not reflected in this report, the omission of which would make this report misleading.

Dated at Thunder Bay, Ontario on: March 28, 2006



Justin Johnson
Contract Geologist
J.R. Johnson Geological Services

Statement of Qualifications

I, Robert S. Middleton, am a graduate of the Provincial Institute of Mining (Haileybury, Ontario) (1965) – Mining Diploma; Michigan Technological University 1968, B.S. Applied Geophysics, 1969 M.S. Applied Geophysics.

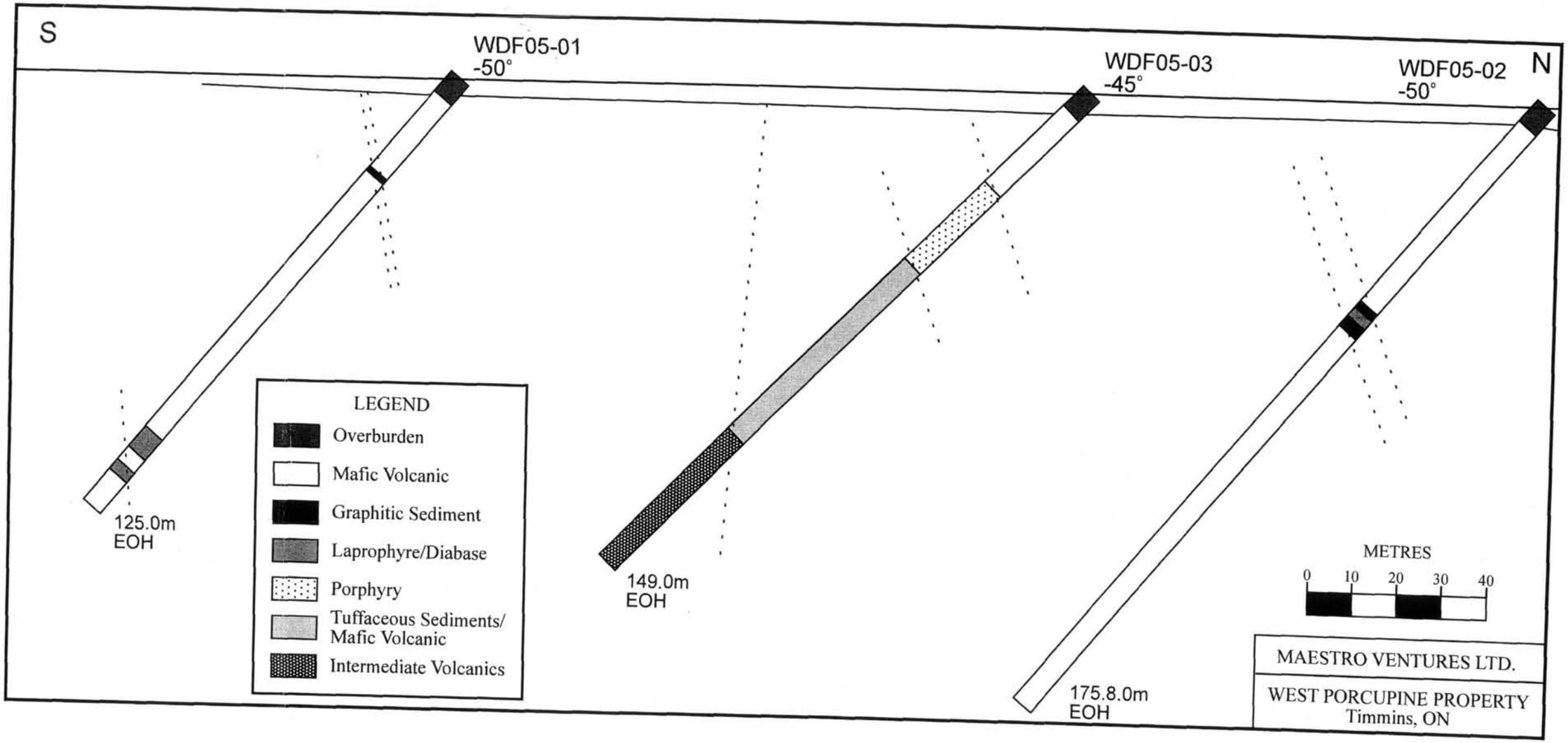
Attended University of Toronto 1970 – Ph.D Geological program.

Employed during the summers of:
1964 – Keevil Mining Group – Geophysical Engineering and Surveys Ltd. Gaspe geochemistry.
1965 – Selco Exploration – NW Ontario (Magnetics) and NE Quebec (EM, Mag, Gravity, Mining Regs.)
1966 – Selco Exploration – NE Ontario (Geological Mapping)
1967 – Calumet & Hecla Mining – Keweenaw (IP (drill hole) surface and underground) and Michigan (Mag and drill hole IP)
Employed Ontario Dept. of Mines, 1968-1971, Mag, Geology, Gravity, Mining Regs.
Employed Barringer Research Ltd., 1971-1974, Airborne Geophysics, Consulting, Ground Geophysics
Employed Rosario Resources Corp., 1974-1980, Timmins, Honduras, Nicaragua, Dominican Republic
Employed Newmont Exploration of Canada, 1982-1983, Quebec, Ontario, Newfoundland, NWT. Manager of Exploration, RC and diamond drill projects, geophysics.
Consulting Based from Timmins, 1983-1990, various Au/ base metal projects in Manitoba, Quebec, Ontario, USA, Scotland. RC drilling and numerous diamond drill programs.
Management Various junior mining companies, 1990-present, VMS, Cu, Zn, Au, diamonds, Cu-Ni-PGE, Cross Lake discovery, Zn/Ag/Cu near Timmins
Member of Ontario Association of Professional Engineers, Geological Association of Canada, Canadian Institute of Mining and Metallurgy, Association of Exploration Geochemists, Society of Economic Geologists, Society of Geology Applied to Ore Deposits.
Special Assignments:
Uganda – Evaluation of Kilembi Proterozoic Cu, Ni, Co
Siberia – Diamonds and Kimberlites
1995 NWT – Valuations of Lac de Gras area projects
Kyrgystan – Gold deposit evaluation
Exploration Manager East West Resource Corporation, 1992-2006.

R.S. Middleton, P.Eng.

APPENDIX A

DRILL LOGS


S
N
WDF05-01
-50°
WDF05-03
-45°
WDF05-02
-50°
125.0m
EOH
149.0m
EOH
175.8.0m
EOH
LEGEND
Overburden
Mafic Volcanic
Graphitic Sediment
Laprophyre/Diabase
Porphyry
Tuffaceous Sediments/
Mafic Volcanic
Intermediate Volcanics
METRES
0 10 20 30 40
MAESTRO VENTURES LTD.
WEST PORCUPINE PROPERTY
Timmins, ON

West Porcupine Project, Northern Ontario

Log of DDH: WDF05-01

UTM Zone 17 (NAD 83) mE: 422666
mN: 5338015

Drilled by: Norex Drilling Limited

Started: Sept. 27/05
Finished: Sept. 29/5

Claim 3000698
DDH direction: az:180 ° plunge: - 50°
Hole length: 125.0 m
Casing length: 6.0 m
Casing: Casing left in hole
Other:
Acid dip tests performed.
Grid Reference 0+00N 18+00W

Setup checked by: J. Johnson
Logged by: Justin Johnson
Signed:

On:Sept. 29-Oct. 2/05

Core: all NQ core is stored at Norex Drilling Limited's yard, Timmins ON.

Highlights:
Graphitic sediments with sulphides encountered.

0.0-5.8m	Overburden
5.8-27.6m	Mafic Volcanic, Carbonated
27.6-28.8m	Graphitic Sediment
28.8-103.7m	Mafic Volcanic, Carbonated
103.7-109.5m	Diabase
109.5-113.3m	Mafic Volcanic
113.3-116.1m	Diabase
116.1-125.0m	Mafic Volcanic

Sample #	From (m)	To (m)	Interval	Au g/tonne	Au check	Description
52550	5.85	6.95	1.10	Nil	-	carbonated mafic volcanic, quartz veinlets, sericite alteration with disseminated sulphides
52551	6.95	8.00	1.05	Nil	-	carbonated mafic volcanic, quartz veinlets, highly deformed, disseminated sulphides
52552	20.75	21.95	1.20	Nil	-	possible porphyry or tuffaceous sediments, carbonated, greasy brown colouration, disseminated sulphide patches
52553	21.95	23.00	1.05	Nil	-	carbonated mafic volcanic with greasy brown alteration, quartz veinlets, disseminated sulphides
52554	27.55	28.75	1.20	0.08	0.09	graphitic sediments with sulphides (1-3%), quartz fragments
52555	28.75	29.55	0.80	Nil	-	carbonated mafic volcanic (greasy brown alteration), quartz veinlets, disseminated sulphides
52556	32.22	33.20	0.98	Nil	-	carbonated mafic volcanic, quartz veinlets, varioles, trace sulphides
52557	33.20	33.70	0.50	Nil	-	ultramafic with quartz/carbonate veinlets, 1-5% sulphides
52558	35.45	36.45	1.00	Nil	-	sheared, carbonated mafic (brown, with sericite), siliceous zone, 1-3% sulphides
52559	37.53	38.53	1.00	Nil	-	carbonated ultramafic with 10cm chert layer, 1-3% sulphides
52560	45.85	46.89	1.04	Nil	-	carbonated mafic volcanic with siliceous areas, disseminated sulphides
52561	46.89	47.91	1.02	0.01	-	carbonated mafic volcanic with siliceous areas, disseminated sulphides
52562	50.20	51.15	0.95	Nil	-	silica bands within mafic volcanic, carbonated, with disseminated sulphides
52563	53.00	54.25	1.25	Nil	-	deformed siliceous bands with carbonated mafic volcanic and graphite, <2% sulphides
52564	60.25	61.25	1.00	Nil	-	carbonated mafic volcanic with fine grained sulphides (tan colour)
52565	61.25	61.75	0.50	Nil	-	mafic volcanic, quartz veinlets, 1% sulphides
52566	65.22	65.72	0.50	Nil	-	cherty bands with carbonated/sericitic mafic volcanic, disseminated sulphides
52567	70.57	71.57	1.00	Nil	-	carbonated mafic volcanic with 60cm of cherty material, disseminated sulphides
52568	73.00	74.00	1.00	Nil	-	carbonated mafic volcanic (tan colour), numerous white quartz veins parallel to foliation and irregular, disseminated sulphides
52569	83.00	84.00	1.00	Nil	-	severely deformed series of quartz veins, siliceous areas and thin carbonated mafic volcanics, disseminated sulphides
52570	84.00	85.00	1.00	Nil	-	severely deformed series of quartz veins, siliceous areas and thin carbonated mafic volcanics, disseminated sulphides
52571	85.00	85.50	0.50	Nil	-	severely deformed series of quartz veins, siliceous areas and thin carbonated mafic volcanics, disseminated sulphides

0 5.8 **OVERBURDEN**

5.8 27.55 **MAFIC VOLCANIC, CARBONATED**

The unit is light to grey colour, often severely altered (greasy brown appearance) with carbonate, often obscuring all primary features. The greasy brown alteration predominately occurs as bands/layers. Layering at 50° to core axis.

13.2-13.5m lapilli tuff or potential porphyry, siliceous with 1-2mm rounded crystals, sheared with greasy brown alteration

20.75-21.80m lapilli tuff or possible porphyry, siliceous with 1-2mm rounded crystals, brown carbonate alteration and trace sulphides

ALTERATION: Carbonate alteration throughout unit.

MINERALIZATION: Disseminated sulphides to trace sulphides throughout unit.

27.55 28.75 **GRAPHITIC SEDIMENT**

Unit has a sharp upper contact with the lower contact obscured by rubble and a quartz vein (white, barren of sulphides). Unit is fine grained, black graphitic sediments with disseminated sulphides to pyrite blebs. Numerous felsic (quartz) lenses/fragments within the unit. The entire unit is severely deformed.

ALTERATION: None visible.

MINERALIZATION: Disseminated to blebs of pyrite through unit.

28.75 103.71 **MAFIC VOLCANIC, CARBONATED**

Upper contact is obscured by a quartz vein and rubble, lower contact is a 'baked' zone beginning at ~103m. Unit is light to dark grey in colour with pervasive carbonate alteration, patches of sever alteration (greasy brown looking carbonate often mixed with sericite) in addition patches of small white phenocrysts are scattered throughout the unit. It is possible that the laminated/sheared and altered areas of the unit are sedimentary units. Varioles are present in various areas (i.e. 32.22-32.33; 55m). 35-40° to core axis at 56m; 40° at 78m, 45° at 94m.

33.20-33.64m sharp, conformable contacts with an ultramafic unit, black in colour, numerous quartz/carbonate veinlets perpendicular to the lineation, 1-5% sulphides

35m area of low angle 'serquanite' (siliceous, sericite and carbonate rich)with trace to disseminated sulphides to ~36m, siliceous with sulphides to 36.44m
37.53-38.33m siliceous zone with upper contact obscured by rubble and sharp lower contact, includes 10cm chert (?) layer, fractured and in filled with black material (graphite?), 1-3% disseminated sulphides
45.85m 12cm low angle siliceous vein with sulphides, additional quartz veinlets/siliceous material persists until 47.91m, disseminated sulphides
50.20-51.15m siliceous bands in carbonated mafic, disseminated sulphides and two thin bands of black material (ultramafic?)
53.00-54.25m deformed breccia of siliceous material with carbonated mafic and non-carbonated black mafic, thin graphitic and thin sulphide layers at 53.46m, disseminated sulphides (~2%)
64-65.72m cherty material/layers with highly variable sulphide content
70.76-71.30m & 75.38-75.78m silicified/chert area
77.3m stretched varioles
83085.44m severely deformed interval of quartz veins, siliceous areas with carbonated mafic volcanic and disseminated sulphides
85.5m very little carbonate alteration occurs after this point, flow top breccias occur
95.0m unit becomes darker in colour ~black to end of unit

ALTERATION: Strong to moderate carbonate alteration to 85.5m with variable amounts of sericite and zones of siliceous alteration.

MINERALIZATION: Disseminated to trace sulphides variable throughout unit.

103.71 109.47 **DIABASE**

Sharp upper and lower contacts, unit is fine to coarse grained and black to dark grey in colour. Small white phenocrysts occur throughout the unit. There is a persistent fabric through the unit at 45° to core axis (small local variations occur). Crystals <1cm persist to 107m then becomes fine grained as end of unit is approached.

ALTERATION: None visible.

MINERALIZATION: None visible.

109.47 113.33 **MAFIC VOLCANIC**
Unit is possible a large xenolith within the diabase, the upper and lower contacts are irregular. Unit is baked/altered with numerous small hairline fractures filled with quartz/carbonate (possible volcanic breccia).

ALTERATION: Baked.

MINERALIZATION: None visible.

113.33 116.07 **DIABASE**
The unit has an irregular upper contact and conformable lower contact. Unit is as above with the addition of rare quartz/siliceous areas (potentially assimilated xenoliths). Mafic xenolith occurs at 114.80-115.01m.

ALTERATION: None visible.

MINERALIZATION: None visible.

116.07 125.00 **MAFIC VOLCANIC**
As above, 109.47-113.33m. Minor sulphides occur near upper contact and persist until ~118m. Tourmaline crystals, 1-2mm, occur near the upper contact. Unit grades into pristine looking volcanics.

ALTERATION: Baked (contact metamorphism).

MINERALIZATION: Trace sulphides from 116.07-118m.

END OF HOLE

West Porcupine Project, Northern Ontario

Log of DDH: WDF05-02

UTM Zone 17 (NAD 83) mE: 422686
mN: 5338243

Drilled by: Norex Drilling Limited

Started: Sept. 25/05
Finished: Sept. 27/5

Claim 3000698
DDH direction: az:180 ° plunge: - 50°
Hole length: 175.8 m
Casing length: 6.0 m
Casing: Casing left in hole
Other:
Acid dip tests performed.
Grid Reference: 2+50N 18+00W

Setup checked by: J. Johnson
Logged by: Justin Johnson
Signed:

On:Sept. 26-29/05

Core: all NQ core is stored at Norex Drilling Limited's yard, Timmins ON.

Highlights:
Graphitic sediments with sulphides encountered in hole.

0.0-6.2m	Overburden
6.2-59.0m	Mafic Volcanic
59.0-60.9m	Graphitic Sediment
60.9-63.3m	Lamprophyre
63.3-66.3m	Graphitic Sediment
66.3-175.8m	Mafic Volcanic
EOH	

Sample #	From (m)	To (m)	Interval	Au g/tonne	Au Check	Description
52501	43.4	44.30	0.90	Nil	-	carbonated mafic volcanic with 2 mafic dikes (carbonated wit fine grained sulphides), 2 cm quartz vein with fine grained sulphides
52502	54.30	55.30	1.00	Nil	-	siliceous, carbonated, sheared mafic volcanic, fine grained sulphides
52503	57.30	58.30	1.00	Nil	-	carbonated mafic volcanic, disseminated sulphides, mm wide sulphide veinlet occurs
52504	58.30	59.00	0.70	0.08	0.07	carbonated mafic volcanic, sheared with quartz veinlets, disseminated sulphides
52505	59.00	60.00	1.00	Nil	-	graphitic sediments with disseminated sulphides
52506	60.00	60.92	0.92	0.01	-	graphitic sediments with disseminated sulphides
52507	63.29	64.29	1.00	Nil	-	graphitic sediments with disseminated sulphides, sulphide veinlets
52508	64.29	65.49	1.20	Nil	-	graphitic sediments with disseminated sulphides, cherty/siliceous material
52509	65.59	66.30	0.71	0.01	Nil	graphitic sediments with disseminated sulphides, pyrite porphyblasts (1-2mm)
52510	67.95	68.85	0.90	Nil	-	carbonated mafic volcanic with one of siliceous brecciation, disseminated sulphides
52511	68.85	69.85	1.00	Nil	-	carbonated mafic volcanic, disseminated sulphides, black quartz veinlets
52512	69.85	70.85	1.00	Nil	-	carbonated mafic volcanic, disseminated sulphides, black quartz veinlets
52513	70.85	71.85	1.00	Nil	-	carbonated mafic volcanic, disseminated sulphides, black quartz veinlets
52514	71.85	72.85	1.00	Nil	-	carbonated mafic volcanic, disseminated sulphides, black quartz veinlets
52515	72.85	73.85	1.00	Nil	-	carbonated mafic volcanic, disseminated sulphides, black quartz veinlets, zone of siliceous brecciation
52516	73.85	74.85	1.00	Nil	-	carbonated mafic volcanic/sediments, siliceous brecciation, disseminated sulphides
52517	74.85	75.85	1.00	Nil	-	carbonated mafic volcanic/sediments, siliceous brecciation, disseminated sulphides
52518	75.85	76.85	1.00	0.01	-	carbonated mafic volcanic/sediments, siliceous brecciation, disseminated sulphides
52519	76.85	77.85	1.00	0.01	-	carbonated mafic volcanic/sediments, siliceous brecciation, disseminated sulphides
52520	102.00	103.00	1.00	Nil	-	mafic volcanic, carbonated (mild), sheared, quartz veinlets cross-cutting core, trace-disseminated sulphides
52521	105.00	105.58	0.58	Nil	-	carbonated (mild) mafic volcanic/sediment, numerous quartz veining, disseminated sulphides
52522	113.58	114.08	0.50	Nil	-	flow top breccia with graphite infilling, disseminated sulphides
52523	118.80	119.80	1.00	Nil	-	carbonated mafic volcanic, varioles, minor brecciation, disseminated sulphides
52524	119.80	120.80	1.00	Nil	-	carbonated mafic volcanic, brecciated/flow top, disseminated sulphides
52525	120.80	121.80	1.00	Nil	-	carbonated mafic volcanic breccia with graphite interfiling, disseminated sulphides
52526	121.80	122.15	0.35	Nil	-	carbonated mafic volcanic breccia with graphite, 20cm cross-cutting quartz vein, disseminated
52527	122.15	123.38	1.23	Nil	Nil	carbonated mafic volcanic, 1-3% sulphides (blebs <3mm)
52528	123.38	124.38	1.00	Nil	-	carbonated mafic volcanic, 1-3% sulphides (blebs <4mm, 1 cm vein)
52529	124.38	124.90	0.52	Nil	-	carbonated mafic volcanic, 5% sulphides
52530	124.90	125.95	1.05	Nil	-	carbonated mafic volcanic, disseminated sulphides, rare quartz veinlet
52531	125.95	127.00	1.05	Nil	-	carbonated mafic volcanics, disseminated sulphides

Sample #	From (m)	To (m)	Interval	Au g/tonne	Au Check	Description
52532	131.48	131.98	0.50	Nil	-	carbonated mafic volcanic with carbonate veinlets perpendicular to foliation, quartz veinlets, disseminated sulphides
52533	133.00	134.00	1.00	0.03	-	carbonated mafic volcanic with carbonate veinlets perpendicular to foliation, quartz veinlets, disseminated sulphides, 25cm quartz vein
52534	134.00	134.50	0.50	Nil	-	carbonated mafic volcanic with carbonate veinlets perpendicular to foliation, quartz veinlets, disseminated sulphides
52535	137.00	138.00	1.00	Nil	-	carbonated mafic volcanic with carbonate veinlets perpendicular to foliation, quartz veinlets, disseminated sulphides
52536	148.78	149.28	0.50	Nil	-	carbonated mafic volcanic, quartz veinlets, disseminated sulphides
52537	152.00	153.00	1.00	Nil	-	carbonated mafic volcanic, quartz veinlets, disseminated sulphides
52538	153.00	153.70	0.70	0.01	-	quartz/carbonate veins, disseminated sulphides
52539	153.70	154.70	1.00	Nil	-	carbonated mafic volcanic, quartz veinlets, disseminated sulphides
52540	154.70	155.70	1.00	Nil	-	carbonated mafic volcanic, quartz veinlets, disseminated sulphides
52541	140.00	140.50	0.50	Nil	-	carbonated mafic volcanic, carbonate veinlets perpendicular to foliation, quartz/carbonate veinlets parallel to foliation, disseminated sulphides
52542	161.20	161.70	0.50	Nil	-	carbonated mafic volcanic, 12cm quartz vein, disseminated sulphide
52543	162.93	164.33	1.40	Nil	Nil	carbonated mafic volcanic, quartz veinlets, 80cm white quartz vein
52544	167.95	168.95	1.00	Nil	-	carbonated mafic volcanic, silicified, quartz veinlets, disseminated sulphides
52545	168.95	169.95	1.00	Nil	-	carbonated mafic volcanic, silicified, quartz veinlets, disseminated sulphides
52546	169.95	170.95	1.00	Nil	-	carbonated mafic volcanic, silicified, quartz veinlets, disseminated sulphides
52547	170.95	171.95	1.00	Nil	-	carbonated mafic volcanic, silicified, quartz veinlets, disseminated sulphides
52548	171.95	173.00	1.05	Nil	-	carbonated mafic volcanic, silicified, quartz veinlets, disseminated sulphides
52549	173.00	174.00	1.00	0.01	-	carbonated mafic volcanic, silicified, few quartz veinlets, trace sulphides

0 6.2 **OVERBURDEN**

6.2 59.00 **MAFIC VOLCANIC**

The unit is dominantly a mafic fragmental with subrounded fragments at 60° to the core axis and varies from fine to medium sized fragments to coarse (1x4cm). The unit is variable altered with sections of unaltered dark grey, 'bleached' light grey (carbonated or silicified), brown (carbonate) and rusty red (weathering that occurs along fractures, up to 1m). Trace sulphides are located within fragments and in the pressure shadows that can be found surrounding them. The unit becomes more sheared, appearing less like a fragmental at 25-38m. Fractures and veins within and surrounding the fragments contain a black mineral (graphite?).

43.40-43.56m very fine grained, light green-grey coloured unit with sharp, conformable contacts, strongly foliated at 60° and contains small green mica flakes, area is cut by 2 siliceous veins trending 85°, unit is potentially a severely altered mafic dike or an altered ash layer
43.67-44.12m fine grained grey-green unit (as above) with small flattened black clasts parallel to foliation, unit is massive with very fine grained disseminated sulphides
44m first appearance of varioles and core angles change to 70°
49m gradational darkening of the core to the end of the unit
55m fine grained sulphides increase in abundance
58.34-58.72m area of fine quartz veining

ALTERATION: Carbonate alteration affects 80-90% of the unit with sericite alteration locally abundant and pervasive throughout core.

MINERALIZATION: Areas of trace to disseminated sulphides increasing in abundance towards the end of the unit.

59.00 60.92 **GRAPHITIC SEDIMENT**

Unit is fine grained black in colour graphitic argillite with beds of higher graphite content. Beds are at 60-70° to core axis. Sulphides are disseminated to blebs with the occasional stretched out bleb/veinlet of sulphide. Shearing and deformation occur near the end of the unit (50° to core axis). Sulphides are pyrrhotite and pyrite, with no pyrrhotite near the end of the unit (contact metamorphism).

ALTERATION: None visible.

MINERALIZATION: Disseminated to blebs with the occasional stretched out bleb/veinlet of sulphides (pyrrhotite and pyrite).

60.92 63.29 **LAMPROPHYRE**

Upper contact is sharp, lower contact is obscured by broken core; small chill margins are associated with both contacts. The first 10cm of unit has felsic phenocrysts 1-3mm in size that increase to 2x5mm at 62.80m. Unit is magnetic with biotite throughout unit, small black fragments (<2x4mm, ultramafic) are common and concentrated near the margins. 5-30% felsics locally occur.

ALTERATION: None Visible.

MINERALIZATION: None visible.

63.29 66.30 **GRAPHITIC SEDIMENT**

The upper and lower contacts are obscured by rubble (4" fault ending at ~68m). Unit is massive fine grained graphitic sediments with disseminated sulphides. Siliceous clasts with sulphide veinlets (aligned at ~60° to core axis) begin at 64.50m. Siliceous veins, fine grained and dark grey in colour, occur at 65.01-65.13m and 65.28-65.36m with deformed areas of graphite and siliceous material located between the two veins, sulphides <3% occur. Pyrite porphyroblasts <3mm, slightly rounded, in size occur at 65.6m along with numerous small tension fractures (<1mm wide up to 5mm long) infilled with a black mineral.

ALTERATION: None visible.

MINERALIZATION: Disseminated pyrrhotite and pyrite, pyrite porphyoblasts.

66.30 175.80 **MAFIC VOLCANIC**

Fault occurs at beginning of unit; ~4" of drill core is missing, ending at ~68m. Unit consists of brecciated carbonated volcanics with siliceous fragments and infilling of fractures (dark grey and black to whitish colour) to 77.8m. It is possible that area is series of sedimentary layers brecciated with a hylaclastic flow or volcaniclastic. Massive carbonate volcanic (grey colour) begins at 77.8m, is foliated at 65-70° with black mineral (graphite?) along foliations planes. Rare black quartz veinlets, irregular in orientation cross cut the unit.

86.00-86.52m sharp contact into dark grey volcanics with chert fragments, sulphides specks, gradational lower contact
95.7-96.9m silica flooding
99-127m sulphides become more abundant, often associated with patches of silica flooding, crosscutting veinlets of quartz
113.57-115.40m breccia with spherioles, flow top breccia
121.8m 25cm quartz vein with sulphides
117.7m carbonate alteration becomes more abundant (noticeable brown colouration to core)
127m small carbonate filled gash veinlets, perpendicular to foliation (65°) appear

ALTERATION: Carbonate alteration varies from minor to significant (greasy brown, obscuring primary features) with minor amounts of sericite alteration and siliceous alteration sporadically, becoming more significant after ~125m.

MINERALIZATION: Areas of disseminated sulphides throughout unit with sulphides more significant at 123.4-125.0m (variable, up to 20% over 3cm).

END OF HOLE

West Porcupine Project, Northern Ontario

Log of DDH: WDF05-03

UTM Zone 17 (NAD 83) mE: 422675
mN: 5338152

Drilled by: Norex Drilling Limited

Started: Sept. 29/05
Finished: Oct. 1/05

Claim 3000698
DDH direction: az:180 ° plunge: - 45°
Hole length: 149.0 m
Casing length: 6.0 m
Casing: Casing left in hole
Other:
Grid Reference: 1+50N 18+00W

Setup checked by: J. Johnson
Logged by: Justin Johnson
Signed:

On: Oct. 2-3/05

Core: all NQ core is stored at Norex Drilling Limited's yard, Timmins ON.

Highlights:
Occurrences of graphite along flow boundaries and pillow margins within the mafic volcanic

0.0-6.4m	Overburden
6.4-30.6m	Mafic Volcanic
30.6-54.9m	Porphyry
54.9-109.1m	Tuffaceous Sediments and Mafic Volcanic
109.1-149.0m	Intermediate Volcanic
EOH	

Sample #	From (m)	To (m)	Interval (m)	Au g/tonne	Au Check	Description
52572	10.4	11.40	1.00	Nil	-	mafic volcanic with graphite, sulphide blebs
52573	13.50	14.50	1.00	Nil	0.01	mafic volcanic with graphite along flow boundaries, disseminated sulphides
52574	24.70	25.70	1.00	Nil	-	sediment/sheared volcanic, carbonated, disseminated to blebs sulphides, little graphite
52575	25.70	26.51	0.81	Nil	-	carbonated sediments, elongated pyrite porphyroblasts
52576	26.51	26.78	0.27	0.11	0.12	ultramafic with 90% sulphides
52577	26.78	27.80	1.02	Nil	-	carbonated sediments, elongated pyrite porphyroblasts, quartz/siliceous areas
52578	27.80	29.00	1.20	Nil	-	carbonated mafic volcanic, greasy brown, sulphide blebs
52579	29.00	30.55	1.55	Nil	-	carbonated mafic volcanic, greasy brown, sulphide blebs
52580	30.55	31.55	1.00	Nil	-	feldspar porphyry, disseminated sulphides
52581	32.05	33.05	1.00	Nil	-	feldspar porphyry, disseminated sulphides
52582	33.05	34.05	1.00	Nil	-	feldspar porphyry, disseminated sulphides
52583	34.05	35.05	1.00	Nil	-	feldspar porphyry, disseminated sulphides
52584	35.05	36.10	1.05	Nil	-	mafic volcanic xenolith with quartz vein, disseminated sulphide, minor carbonate alteration within feldspar porphyry
52585	36.10	37.15	1.05	0.01	-	mafic volcanic xenolith with quartz vein, disseminated sulphide, minor carbonate alteration within feldspar porphyry
52586	37.15	38.00	0.85	Nil	-	feldspar porphyry with trace sulphides
52587	38.00	39.00	1.00	Nil	-	feldspar porphyry with trace sulphides
52588	39.00	39.50	0.50	Nil	-	mafic xenolith, carbonated within feldspar porphyry, disseminated sulphides
52589	39.50	40.00	0.50	Nil	-	feldspar porphyry with trace sulphides
52590	49.00	50.00	1.00	Nil	-	feldspar porphyry with trace sulphides
52591	50.00	50.70	0.70	Nil	-	mafic xenolith, carbonated within feldspar porphyry, disseminated sulphides
52592	50.70	51.20	0.50	Nil	-	feldspar porphyry with trace sulphides
52593	53.92	54.92	1.00	Nil	-	feldspar porphyry, fine grained sulphides
52594	54.92	55.90	0.98	Nil	-	deformation zone of quartz/carbonate/siliceous material, trace sulphides
52595	56.50	57.16	0.66	Nil	-	quartz vein, quartz /carbonate deformation zone, fine sulphides
52596	68.95	69.95	1.00	0.04	0.02	quartz vein, quartz /carbonate deformation zone, fine sulphides
52597	72.40	73.40	1.00	Nil	-	carbonated tuffaceous sediments with quartz veining, disseminated sulphides
52598	76.80	77.80	1.00	Nil	-	carbonated tuffaceous sediments with quartz veining, disseminated fine grained sulphides
52599	79.25	80.40	1.15	Nil	-	quartz/carbonate deformation zone with rare sedimentary layer, disseminated sulphides
52600	80.40	81.40	1.00	Nil	-	carbonated sediments, quartz veinlets, disseminated sulphides
52601	81.40	82.40	1.00	Nil	-	carbonated sediments, quartz veinlets, disseminated sulphides
52602	82.40	83.40	1.00	Nil	-	carbonated sediments, quartz veinlets, disseminated sulphides
52603	83.40	84.40	1.00	Nil	-	carbonated sediments, quartz veinlets, disseminated sulphides
52604	98.55	99.55	1.00	Nil	-	carbonated mafic volcanic, quartz veining, disseminated sulphides

Sample #	From (m)	To (m)	Interval (m)	Au g/tonne	Au Check	Description
52605	108.25	109.05	0.80	Nil	-	deformation zone of quartz/carbonate/siliceous material, trace sulphides in carbonated volcanic
52606	109.05	110.05	1.00	Nil	-	carbonated intermediate volcanic, silicified, quartz veinlets, fine grained sulphides
52607	110.05	111.05	1.00	Nil	-	carbonated intermediate volcanic, silicified, quartz veinlets, fine grained sulphides
52608	111.05	112.30	1.25	Nil	-	carbonated intermediate volcanic, silicified, quartz veinlets, fine grained sulphides
52609	112.30	113.20	0.90	Nil	-	carbonated intermediate volcanic, silicified, quartz veinlets, fine grained sulphides
52610	113.20	114.00	0.80	Nil	Nil	carbonated intermediate volcanic, silicified, quartz veinlets, fine grained sulphides
52611	115.00	116.00	1.00	Nil	-	carbonated intermediate volcanic, silicified, quartz veinlets, fine grained sulphides
52612	116.00	117.00	1.00	Nil	-	carbonated intermediate volcanic, silicified, few quartz veinlets, fine grained sulphides
52613	128.00	129.00	1.00	Nil	-	carbonated intermediate volcanic, silicified, quartz veinlets, fine grained sulphides
52614	129.00	130.00	1.00	Nil	-	carbonated intermediate volcanic, silicified, many quartz veinlets, fine grained sulphides
52615	130.00	131.00	1.00	Nil	-	carbonated intermediate volcanic, silicified, quartz veinlets, fine grained sulphides to blebs
52616	131.00	132.00	1.00	Nil	-	carbonated intermediate volcanic, silicified, quartz veins, fine grained sulphides
52617	132.00	132.90	0.90	Nil	-	carbonated intermediate volcanic, silicified, quartz veinlets, fine grained sulphides
52618	132.90	134.00	1.10	0.01	-	deformed carbonate volcanic with non-carbonated volcanic, siliceous material, disseminate sulphides
52619	134.00	135.00	1.00	Nil	Nil	deformed carbonate volcanic with non-carbonated volcanic, siliceous material, disseminate sulphides
52620	135.00	136.00	1.00	Nil	-	carbonated volcanic, quartz veinlets, trace sulphides
52621	145.00	146.00	1.00	Nil	-	carbonate volcanic, quartz veinlets, disseminated sulphides, graphite
52622	146.00	147.00	1.00	Nil	-	carbonate volcanic, quartz veinlets, disseminated sulphides, silicified
52623	147.00	148.00	1.00	Nil	-	carbonated volcanic, quartz veinlets, siliceous material, disseminated sulphides

0 6.4 **OVERBURDEN**

6.4 30.55 **MAFIC VOLCANIC**

The unit is grey to dark grey in colour with a sharp lower contact. Sulphides occur in trace amounts along flow margins. Graphite can occur along pillow margins and flow boundaries with sulphide blebs from 10.90-15.80m. Foliation at 65° to core axis.

15.80-23.75m breccia (debris flow) with sedimentary beds and competent volcanic flows (contain varioles)
23.75-25.70m sediment and sheared mafic volcanics, carbonated with disseminated to blebs of sulphides and trace graphite
25.70-26.51m carbonated sediments with elongated pyrite porphyroblasts
26.51-26.78m massive sulphides (pyrite, pyrrhotite) with an ultramafic (?), conformable upper and lower contacts, 90% sulphides
26.78-27.80m upper contact is distorted and contains sulphides, core angles return to 65° with in the carbonated sediments, contains siliceous zones
27.80-30.55m carbonated mafic volcanics with greasy brown layers, sericite and rare sulphides

ALTERATION: Carbonate alteration through most of the unit with sporadic silcification and sericite alteration.

MINERALIZATION: Trace to disseminated sulphides, 90 sulphides associated with and ultramafic at 26.51-26.78m.

30.55 54.92 **PORPHYRY**

Unit has sharp upper contact with a short chill margin and the lower contact is obscured by a quartz vein. Unit is medium grained with 1-2mm feldspar crystals and rare quartz crystals dark grey to grey in colour. Strong to weak fabric at 50-60° to core axis persists through unit. Numerous xenoliths of carbonated volcanics occur, often with sulphides within the xenolith and associated near them, rare occurrence of biotite within xenoliths.

ALTERATION: None visible.

MINERALIZATION: Disseminated to blebs with the occasional stretched out bleb/veinlet of sulphides (pyrrhotite and pyrite).

54.92 109.05 **TUFFACEOUS SEDIMENTS AND MAFIC VOLCANIC**

Upper contact is obscured by siliceous alteration/quartz vein to 55.90m. Unit is composed of fine grained, grey to brown coloured sediments with occasional coarser grained crystal tuffs (feldspars 1-2mm). The sediments are cross cut by numerous calcite/quartz veinlets, often severely deformed, with none to specks of sulphides. The sedimentary layers are interbedded with carbonated mafic volcanics that contain rare varioles. A transition from sediment dominated to volcanic dominated occurs at 85m. Core angles at 40° to core axis.

ALTERATION: Carbonate alteration through most of the unit with areas of silcification.

MINERALIZATION: Trace sulphides.

109.05 149.00 **INTERMEDIATE VOLCANIC**

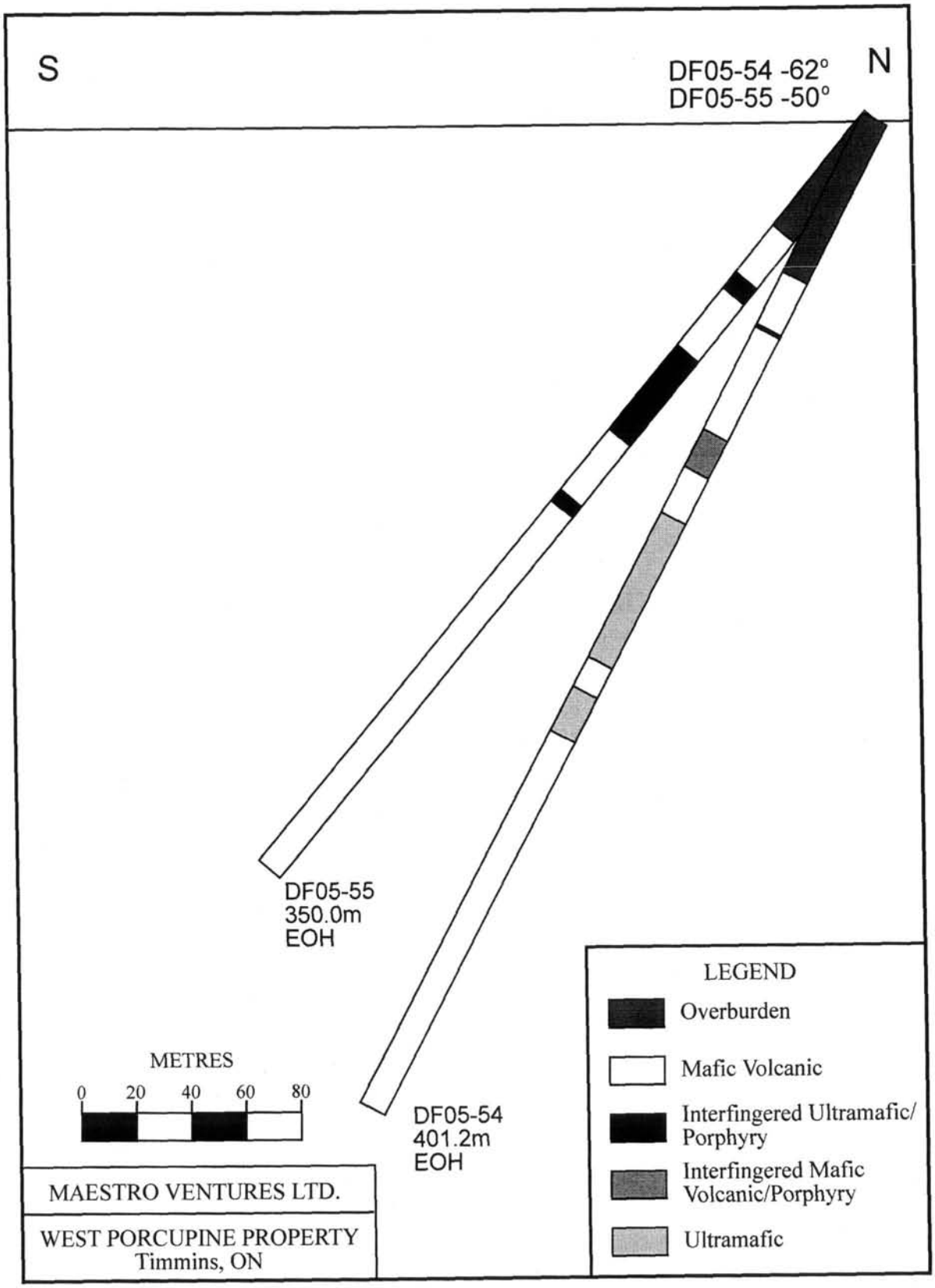
Unit is brown in colour, fine grained and is massive. Numerous areas of quartz/carbonate veinlets and deformed quartz vein/siliceous areas occur. Minor thin layers of tuffaceous sediments occur.

128.66-128.70m- mafic dike
129m and beyond becomes severely deformed with numerous quartz veins at low angles (20-30°), rare graphitic layers
133.85-133.90m-irregular contacts, lamprophyre dike
139m to EOH core angle locally highly variable, changing from 20-90° locally, last ~1m of hole is a fault

ALTERATION: Carbonate alteration (moderate to intense), sericitic alteration.

MINERALIZATION: Trace sulphides.

END OF HOLE


S
N
DF05-54 -62°
DF05-55 -50°
DF05-55
350.0m
EOH
DF05-54
401.2m
EOH
METRES
0 20 40 60 80
LEGEND
Overburden
Mafic Volcanic
Interfingered Ultramafic/ Porphyry
Interfingered Mafic Volcanic/Porphyry
Ultramafic
MAESTRO VENTURES LTD.
WEST PORCUPINE PROPERTY
Timmins, ON

West Porcupine Project, Northern Ontario

Log of DDH: DF05-54

UTM Zone 17 (NAD 83) mE: 429836
mN: 5338337

Claim 1177123 Elevation: 351m
DDH direction: az: 180° plunge: -62°
Hole length: 401 m
Casing length: 64 m
Casing: Casing left in hole
Other:
Grid Reference: 4+50N 55+50W

Drilled by: Norex Drilling

Setup checked by: J. Johnson
Logged by: Justin Johnson
Signed: Justin Johnson

Started: Oct. 1/05
Finished: Oct. 14/05

On: Oct. 3-4/05;
Nov. 18-20/05

Core: all NQ, trays stored at Norex Drilling's yard, Timmins ON.

0.0-64.0m	Overburden
64.0-84.5m	Mafic Volcanics
84.5-85.7m	Feldspar Porphyry
85.7-112.8m	Mafic Volcanics
112.8-114.3m	Diabase
114.3-127.5m	Mafic Volcanics with Metasediments
127.5-128.0m	Quarzt Feldspar Porphyry
128.0-130.0m	Mafic Volcanics
130.0-130.7m	Quartz Feldspar Porphyry
130.65-132.8m	Mafic Volcanics
132.8-142.0m	Quartz Feldspar Porphyry
142.0-142.7m	Ultramafic
142.7-150.8m	Metasediment
150.8-161.2m	Mafic Volcanics
161.2-219.9m	Ultramafic
219.9-231.9m	Mafic Volcanics
231.9-249.8m	Ultramafic
249.8-401.0m	Mafic Volcanics
401.2m	End of hole

Highlights:

Scattered anomalous gold values within carbonated mafic volcanics. Best intercept of 1.1 g/tonne over 3.0 m (including 3.0 g/tonne over 1.0 m).

Acid dip tests:

Depth (m)	Dip
100	61°
200	60°
300	57°
401	54°

Ticket #	From (m)	To (m)	Interval (m)	Au g/tonne	Au Check	Description
52624	72.30	73.30	1.00	Nil	-	Carbonated mafic volcanics, disseminated to blebs of sulphides.
52625	79.44	80.44	1.00	Nil	-	Carbonated mafic volcanics, disseminated sulphides, 20cm white quartz vein.
52626	83.20	84.50	1.30	0.01	Nil	Carbonated mafic volcanics, disseminated sulphides, sheared (missing 30cm core).
52627	84.50	85.70	1.20	0.01	-	Quartz feldspar porphyry, disseminate and veinlets of sulphides.
52628	85.70	86.30	0.60	0.01	-	Sheared mafic volcanics, fine grained disseminated sulphides.
52629	106.90	107.90	1.00	0.01	-	Mafic volcanics, sulphides in quartz veinlets, little carbonate alteration.
52630	107.90	108.90	1.00	Nil	-	Mafic volcanics, sulphides in quartz veinlets, little carbonate alteration.
52631	114.30	115.30	1.00	Nil	-	Mafic volcanics, carbonated, quartz/carbonate veinlets (+/- sulphides), disseminated sulphides.
52632	115.30	116.30	1.00	Nil	-	Mafic volcanics, carbonated, quartz/carbonate veinlets (+/- sulphides), disseminated sulphides.
52633	116.30	117.30	1.00	Nil	-	Mafic volcanics, carbonated, quartz/carbonate veinlets (+/- sulphides), disseminated sulphides.
52634	126.75	127.50	0.75	0.01	-	Mafic volcanics, sheared, disseminated sulphides.
52635	127.50	128.00	0.50	Nil	-	Quartz feldspar porphyry, disseminated sulphides.
52636	128.00	129.27	1.27	Nil	-	Mafic volcanic, deformed, little carbonate alteration, disseminated sulphides.
52637	129.27	130.00	0.73	Nil	-	Mafic volcanic, deformed, little carbonate alteration, disseminated sulphides.
52638	130.00	130.65	0.65	0.02	-	Quartz feldspar porphyry, disseminated sulphides.
52639	130.65	131.65	1.00	Nil	-	Mafic volcanics, sheared, trace sulphides.
52640	131.65	132.80	1.15	0.01	-	Mafic volcanics, sheared, trace sulphides.
52641	132.80	133.80	1.00	Nil	-	Quart feldspar porphyry (pink), disseminated sulphides, galena in veinlets.
52642	133.80	134.80	1.00	0.01	-	Quart feldspar porphyry (pink), disseminated sulphides, galena in veinlets.
52643	134.80	136.15	1.35	0.01	-	Quart feldspar porphyry (pink), disseminated sulphides.
52644	136.15	137.15	1.00	Nil	-	Quartz feldspar porphyry (greyish) disseminated sulphides.
52645	137.15	138.30	1.15	0.02	-	Quartz feldspar porphyry (greyish) disseminated sulphides, mafic xenolith.
52646	138.30	139.70	1.40	Nil	-	Quartz feldspar porphyry (greyish) disseminated sulphides.
52647	139.70	140.70	1.00	Nil	-	Quartz feldspar porphyry (greyish) disseminated sulphides.
52648	140.70	142.00	1.30	0.01	-	Quartz feldspar porphyry (greyish) disseminated sulphides.
52649	142.00	142.70	0.70	0.01	Nil	Ultramafic, disseminated sulphides.
52650	142.70	143.70	1.00	Nil	-	Volcaniclastic, disseminated sulphides.
52651	143.70	144.70	1.00	Nil	-	Volcaniclastic, trace sulphides.
52652	150.05	150.75	0.70	Nil	-	Crystal tuff, disseminated sulphides.
52653	160.15	161.15	1.00	Nil	-	Volcanics, carbonated, quartz veinlets, trace sulphides.
52654	161.15	162.15	1.00	Nil	-	Ultramafic, quartz/carbonate veinlets, trace sulphides.
52655	164.00	165.00	1.00	Nil	-	Ultramafic, quartz/carbonate veinlets, disseminated sulphides.
52656	175.46	176.46	1.00	Nil	-	Ultramafic, quartz/carbonate veinlets, disseminated sulphides.

Ticket #	From (m)	To (m)	Interval (m)	Au g/tonne	Au Check	Description
52657	176.46	177.29	0.83	Nil	-	Ultramafic, quartz/carbonate veinlets, 35cm pink metasediments with sulphides.
52658	177.29	178.33	1.04	Nil	0.01	Metasedimetns (pink) with sulphides.
52659	178.33	179.12	0.79	Nil	-	Metasedimetns (pink) with sulphides layered with grey metasedimetns and ultramafic.
52660	179.12	180.43	1.31	0.01	-	Metasedimetns (pink) with sulphides.
52661	180.43	181.43	1.00	Nil	-	Ultramafic, quartz/carbonate veinlets.
52662	189.00	190.00	1.00	Nil	-	Ultramafic, quartz/carbonate veinlets, disseminated pyrite.
52663	200.50	201.50	1.00	Nil	-	Ultramafic, quartz/carbonate veinlets, disseminated pyrite.
52664	218.95	219.55	0.60	Nil	-	Ultramafic, quartz/carbonate veinlets, trace sulphides.
52665	219.95	221.00	1.05	Nil	-	Mafic volcanic, disseminated sulphides, 2 cm quartz vein.
52666	221.00	222.00	1.00	Nil	-	Mafic volcanic, disseminated sulphides.
52667	222.00	223.00	1.00	0.01	-	Mafic volcanic, disseminated sulphides.
52668	223.00	224.00	1.00	Nil	-	Mafic volcanic, disseminated sulphides.
52669	224.00	225.00	1.00	Nil	-	Mafic volcanic, disseminated sulphides, quartz vein with sulphides.
52670	225.00	226.00	1.00	Nil	-	Mafic volcanic, disseminated sulphides.
52671	226.00	227.00	1.00	0.01	-	Mafic volcanic, disseminated sulphides, 2cm greasy brown carbonate alteration.
52672	227.00	228.00	1.00	0.01	Nil	Mafic volcanic, disseminated sulphides.
52673	228.00	229.00	1.00	Nil	-	Mafic volcanic, disseminated sulphides, some greasy brown carbonate alteration.
52674	229.00	230.00	1.00	Nil	-	Mafic volcanic, disseminated sulphides, some greasy brown carbonate alteration.
52675	230.00	231.00	1.00	Nil	-	Mafic volcanic, trace sulphides.
52676	Standard			0.19	-	52P 0.183ppm
52677	250.00	251.00	1.00	Nil	-	Mafic volcanics, crystal tuff lenses.
52678	251.00	252.00	1.00	Nil	0.02	Mafic volcanics, little greasy brown carbonate, disseminated sulphides.
52679	252.00	253.00	1.00	Nil	-	Mafic volcanics, little greasy brown carbonate, disseminated sulphides.
52680	253.00	254.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides.
52681	254.00	255.00	1.00	Nil	-	Mafic volcanics, little greasy brown carbonate, disseminated sulphides.
52682	274.00	275.00	1.00	Nil	-	Mafic volcanics, numerous carbonate+/-quartz filled fractures, disseminated sulphides.
52683	285.50	286.50	1.00	Nil	-	Mafic volcanics, quartz veinlets with sulphides, disseminated sulphides.
52684	286.50	287.50	1.00	Nil	-	Mafic volcanics, disseminated sulphides.
52685	287.50	288.50	1.00	Nil	-	Mafic volcanics, numerous carbonate+/-quartz filled fractures with sulphide blebs, disseminated sulphides.
52686	288.50	289.50	1.00	Nil	-	Mafic volcanics, numerous carbonate+/-quartz filled fractures with sulphide blebs, disseminated sulphides.
52687	289.50	290.50	1.00	0.08	-	Mafic volcanics, numerous carbonate+/-quartz filled fractures, little greasy brown carbonate, disseminated sulphides.

Ticket #	From (m)	To (m)	Interval (m)	Au g/tonne	Au Check	Description
52688	290.50	291.50	1.00	0.07	-	Mafic volcanics, numerous carbonate+/-quartz filled fractures with sulphide blebs, disseminated sulphides.
52689	291.50	292.50	1.00	0.09	-	Mafic volcanics, numerous carbonate+/-quartz filled fractures with sulphide blebs, disseminated sulphides, light grey in colour.
52690	292.50	293.50	1.00	0.18	-	Mafic volcanics, numerous carbonate+/-quartz filled fractures with sulphide blebs, disseminated sulphides, light grey in colour.
52691	293.50	294.50	1.00	Nil	Nil	Mafic volcanics, numerous carbonate+/-quartz filled fractures with sulphide blebs, disseminated sulphides, light grey in colour.
52692	294.50	295.50	1.00	0.14	-	Mafic volcanics, numerous carbonate+/-quartz filled fractures with sulphide blebs, disseminated sulphides, light grey in colour.
52693	300.65	301.15	0.50	Nil	-	Siliceous mafic volcanics, disseminated sulphides.
52694	304.00	305.00	1.00	0.11	-	Mafic volcanics, numerous carbonate+/-quartz filled fractures with sulphide blebs, disseminated sulphides.
52695	305.00	306.00	1.00	0.03	-	Mafic volcanics, siliceous, greasy brown, disseminated sulphides.
52696	306.00	307.00	1.00	0.01	-	Mafic volcanics, siliceous, greasy brown, disseminated sulphides.
52697	307.00	308.00	1.00	0.1	-	Mafic volcanics, disseminated sulphides.
52698	308.00	309.00	1.00	0.13	-	Mafic volcanics, blebs in quartz veinlets, disseminated sulphides.
52699	309.00	310.00	1.00	0.1	-	Mafic volcanics, disseminated sulphides.
52700	310.00	311.00	1.00	0.36	0.42	Mafic volcanics, sulphides along fractures, disseminated sulphides.
52701	311.00	312.00	1.00	0.2	-	Mafic volcanics, sulphide blebs in 3cm siliceous zones, disseminated sulphides.
52702	314.00	315.00	1.00	0.01	-	Mafic volcanics, 1cm sulphide veinlets, disseminated sulphides.
52703	318.00	319.25	1.25	0.88	0.67	Mafic volcanics, sulphide blebs along veinlets, disseminated sulphides.
52704	322.80	324.00	1.20	0.01	-	Quartz feldspar porphyry, disseminated sulphides.
52705	333.00	334.00	1.00	Nil	-	Mafic volcanics, siliceous, disseminated sulphides to blebs.
52706	334.00	335.00	1.00	Nil	-	Mafic volcanics, siliceous, disseminated sulphides to blebs.
52707	335.00	336.25	1.25	Nil	-	Mafic volcanics, sulphides in quartz veinlets, disseminated sulphides.
52708	338.00	339.10	1.10	0.1	-	Mafic volcanics, small deformation zones of quartz/carbonate with sulphides, disseminated sulphides.
52709	343.00	343.60	0.60	0.01	-	Mafic volcanics, numerous quartz/carbonate veinlets, disseminated to blebs of sulphides.
52710	347.50	348.50	1.00	0.01	-	Mafic volcanics, numerous quartz/carbonate veinlets, disseminated sulphides, siliceous zones with sulphides.
52711	355.00	356.00	1.00	Nil	-	Mafic volcanics, sulphide veinlet, disseminated sulphides.
52712	356.00	357.00	1.00	Nil	-	Mafic volcanics, 2% sulphides.
52713	357.00	358.00	1.00	Nil	-	Mafic volcanics, silicified, disseminated sulphides.
52714	358.00	359.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides.

Ticket #	From (m)	To (m)	Interval (m)	Au g/tonne	Au Check	Description
52715	359.00	360.00	1.00	Nil	-	Mafic volcanics, sulphide specks.
52716	360.00	361.00	1.00	0.01	-	Mafic volcanics, sulphide specks.
52717	361.00	362.00	1.00	0.01	-	Mafic volcanics, quartz/carbonate veinlets, disseminated sulphides.
52718	362.00	363.00	1.00	0.12	-	Mafic volcanics, quartz/carbonate veinlets, disseminated sulphides.
52719	363.00	363.50	0.50	0.07	-	Mafic volcanics, disseminated sulphides.
52720	363.50	364.00	0.50	0.3	0.28	Mafic volcanics, severely carbonated (tan/brown), disseminated sulphides.
52721	364.00	365.00	1.00	2.96	3.12	Mafic volcanics, severely carbonated (tan/brown), quartz lenses, disseminated sulphides.
52722	365.00	366.00	1.00	Nil	-	Mafic volcanics, severely carbonated (tan/brown), quartz lenses, disseminated sulphides.
52723	366.00	367.00	1.00	Nil	-	Mafic volcanic, carbonated light tan/brown, disseminated sulphides.
52724	367.00	368.00	1.00	Nil	-	Mafic volcanic, carbonated light tan/brown, disseminated sulphides.
52725	368.00	369.00	1.00	Nil	-	Mafic volcanic, carbonated light tan/brown, disseminated sulphides.
52726	369.00	370.00	1.00	Nil	-	Mafic volcanics, minor carbonate alteration, disseminated sulphides.
52727	370.00	371.00	1.00	0.02	0.01	Mafic volcanics, minor carbonate alteration, disseminated sulphides.
52728	371.00	372.00	1.00	0.01	-	Mafic volcanics, medium grained, trace sulphides.
52729	372.00	373.00	1.00	0.05	-	Mafic volcanics, little brown carbonate alteration, disseminated sulphides.
52730	373.00	373.70	0.70	0.03	-	Mafic volcanics, minor silcification, trace sulphides.
52731	373.70	374.70	1.00	0.05	-	Mafic volcanics, quartz/carbonate veinlets, disseminated sulphides.
52732	374.70	375.70	1.00	0.01	Nil	Mafic volcanics, quartz/carbonate veinlets, disseminated sulphides.
52733	375.70	376.70	1.00	0.01	-	Mafic volcanics, quartz/carbonate veinlets, disseminated sulphides.
52734	376.70	377.70	1.00	0.02	-	Mafic volcanics, disseminated sulphides.
52735	377.70	378.70	1.00	0.02	-	Mafic volcanics, carbonate alteration, feldspar porphyries, disseminated sulphides.
52736	378.70	379.70	1.00	0.01	-	Mafic volcanics, carbonate alteration, feldspar porphyries, disseminated sulphides.
52737	379.70	380.70	1.00	Nil	-	Mafic volcanics, carbonate alteration, feldspar porphyries, disseminated sulphides.
52738	380.70	382.17	1.47	Nil	-	Mafic volcanics, carbonate alteration, feldspar porphyries, disseminated sulphides.
52739	382.17	383.42	1.25	Nil	-	Feldspar porphyry, pyrite crystals.
52740	383.42	384.25	0.83	Nil	-	Metasediments/volcanics, disseminated sulphides.
52741	384.25	385.25	1.00	0.02	-	Metasediments/volcanics, disseminated sulphides.
52742	385.25	386.25	1.00	0.03	-	Metasediments/volcanics, disseminated sulphides.
52743	386.25	387.30	1.05	0.01	-	Metasediments/volcanics, quartz feldspar porphyry, disseminated sulphides.
52744	387.30	388.30	1.00	0.04	-	Mafic volcanics, two quartz porphyries, disseminated sulphides.
52745	388.30	389.30	1.00	0.04	-	Mafic volcanics, quartz porphyry, disseminated sulphides.
52746	389.30	390.30	1.00	0.09	0.09	Mafic volcanics, two quartz porphyries, disseminated sulphides.
52747	390.30	391.30	1.00	0.03	-	Mafic volcanics, disseminated sulphides.
52748	391.30	392.30	1.00	0.01	-	Mafic volcanics, quartz/carbonate veinlets, disseminated sulphides.

Ticket #	From (m)	To (m)	Interval (m)	Au g/tonne	Au Check	Description
52749	392.30	393.50	1.20	0.03	-	Mafic volcanics, quartz/carbonate veinlets, disseminated sulphides.
52750	Standard			2.68	-	
52751	393.50	394.85	1.35	0.01	-	Mafic volcanics, quartz/carbonate veinlets, disseminated sulphides.
52752	394.85	395.85	1.00	Nil	-	Mafic volcanics, carbonate alteration (tan), disseminated sulphides.
52753	395.85	396.85	1.00	0.14	-	Mafic volcanics, carbonate alteration (tan), disseminated sulphides.
52754	396.85	397.80	0.95	0.12	-	Mafic volcanics, carbonate alteration (tan), disseminated sulphides.
52755	397.80	398.80	1.00	0.49	0.32	Mafic volcanics, minor carbonate alteration, quartz/carbonate veinlets, disseminated sulphides.
52756	398.80	399.80	1.00	0.23	-	Mafic volcanics, minor carbonate alteration, quartz/carbonate veinlets, disseminated sulphides.
52757	399.80	401.00	1.20	0.05	-	Mafic volcanics, trace sulphides.

0 64 **OVERBURDEN**

64 84.5 **MAFIC VOLCANICS**
Init is grey to dark grey in colour, often with a greenish tint. Much of the ground is broken to badly broken (rubble) with numerous areas of grind to ~65m after which the core is only broken. Irregular quartz/carbonate veinlets crosscut the core at irregular angles. Chlorite is present along slip planes/fractures. There is often a 'greasy' feel to the core due to chlorite and talc alteration. Unit is variable sheared at 45° to core axis. Lower contact is obscured by broken core.

71.3-80.5mcore lightens in colour to light grey

ALTERATION: Talc and chlorite alteration are present.

MINERALIZATION: Specks to patches of disseminated sulphides occur sporadically through unit.

84.5 85.7 **FELDSPAR PORPHYRY**
Contacts are obscured by broken core. The unit is medium grained (1-2mm crystals) and grey-pink in colour. Feldspar crystals dominate with minor amounts of quartz crystals. Fractures filled with black chlorite and disseminated sulphides occur.

ALTERATION: Chlorite along fractures.

MINERALIZATION: Disseminated sulphides, concentrated along fractures.

85.7 112.80 **MAFIC VOLCANICS**
Upper contact obscured by rubble but core near the contact is strongly sheared. Unit is grey to dark grey, massive volcanics with carbonate/quartz veinlets and blebs. Sharp lower contact

ALTERATION: Minor carbonate alteration.

MINERALIZATION: Disseminated sulphides from 98-101m and 107-109m, associated with minor carbonate alteration.

112.80 114.30 **DIABASE**

Sharp contacts with minor chill margins (5cm on upper and 19cm on lower). Unit is brown, fine grained with 2-3mm feldspar crystals from 113.90-114.12m. Black chlorite occurs on slip planes and fine grained feldspar occurs throughout unit. The unit has a minor fabric and rare carbonate/quartz veinlets.

ALTERATION: None visible.

MINERALIZATION: None visible.

114.30 121.10 **MAFIC VOLCANICS**

Sharp upper and lower contacts. Unit is dark grey in colour, fine grained with minor carbonate/quartz veinlets, often with sulphide specks. Similar to above.

ALTERATION: Minor carbonate.

MINERALIZATION: Sulphide specks associated with quartz/carbonate veinlets.

121.10 125.05 **METASEDIMETS (FRAGMETNAL)**

Unit is a fragmental dominated by 'mud/clay' to ~132m then lithified (may represent a fault breccia). Fragments are 1-100mm in size. Orientation at 90° to core axis in sections, rest is deformed. Sections of a well layered lapilli tuff occur.

124.15-124.41m pink siliceous Ares

ALTERATION: Minor area of silicification.

MINERALIZATION: Trace sulphides.

125.05 127.50 **MAFIC VOLCANICS**

Sharp lower contact. Unit is light grey in colour and sheared. Numerous quartz/carbonate veinlets occur.

ALTERATION: Carbonate alteration.

MINERALIZATION: Trace sulphides.

127.50 128.00 **QUARTZ FELDSPAR PORPHYRY**
Sharp contacts. Unit is pink with 1-2mm crystals. Large blebs and crystals of pyrite are common. Minor veinlets of quartz/carbonate occur.

ALTERATION: None visible.

MINERALIZATION: Blebs and cubes of pyrite.

128.00 130.00 **MAFIC VOLCANICS**
Sharp contacts. As above (125.05m).
129.10-129.27m mafic dike with 3-5mm pyrite crystals

ALTERATION: Carbonate alteration.

MINERALIZATION: Trace sulphides, 3-5mm pyrite cubes within mafic dike 129.10-129.27m.

130.00 130.65 **QUARTZ FELDSPAR PORPHYRY**
Unit has sharp contacts. The unit is grey-pink in colour with small crystals

ALTERATION: Possible silicification.

MINERALIZATION: Disseminated sulphides.

130.65 132.80 **MAFIC VOLCANICS**
Unit has sharp contacts. As above.

ALTERATION: Carbonate alteration.

MINERALIZATION: Disseminated sulphides.

132.80 142.00 **QUARTZ FELDSPAR PORPHYRY**
Unit has sharp contacts. Unit is pink in colour with a gradational change to grey at 136.15m. Crystals are 1-2mm in size. Veinlets of sulphides and galena (purple mineral) along with quartz/carbonate veinlets occur.
138.30-139.70m xenolith of mafic runs down the core axis
140.62m internal contact

ALTERATION: None visible.

MINERALIZATION: Disseminated sulphides with sulphide and galena veinlets.

142.00 142.70 **ULTRAMAFIC (PYROXENITE)**
Sharp contacts. Unit is mildly deformed, black in colour with 1-2mm amphibolite/pyroxene crystals present. Unit is thought to be a highly metamorphosed sediment/volcanic.

ALTERATION: Believed metamorphosed to amphibolite grade.

MINERALIZATION: None visible.

142.70 149.05 **METASEDIMENT (VOLCANICLASTIC)**
Unit is highly deformed and consists of short intervals of grey volcanics dominated by felsic fragments. These occur in layers beginning at 147.3m to end of unit. Lower contact is abrupt.

ALTERATION: None visible.

MINERALIZATION: Trace sulphides.

149.05 150.05 **MEATSEDIMENTS**
Sharp upper and lower contacts. Unit is composed of tuffaceous, grey sediments. The unit is mildly deformed and contains frequent felsic clasts and quartz/carbonate veinlets.

ALTERATION: None visible.

MINERALIZATION: Trace sulphides.

150.05 150.75 **CRYSTAL TUFF**
Sharp contacts (no chill/baked zone). Unit is grey-pink in colour, massive with fine to medium grained crystals and black chlorite veinlets.

ALTERATION: None visible.

MINERALIZATION: Disseminated sulphides.

150.75 161.15 **MAFIC VOLCANICS**
Unit is grey in colour and consists of massive volcanics and layers of laminated tuffaceous sediments (50-60° to core axis). Sericite alteration locally occurs.

156.23-156.60m felsic dike (apalite), light orange-grey in colour, fine grained, sharp contacts, xenoliths present
160.00-160.55m deformed with foliation parallel to core axis
160.55-161.15m undeformed with 10cm quartz/carbonate veining ~90%

ALTERATION: Local sericite alteration.

MINERALIZATION: Disseminated sulphides.

161.15 219.95 **ULTRAMAFIC (TALC< CARBONATE)**
Unit is light grey in colour and strongly altered (talc). Numerous quartz, carbonate, quartz/carbonate veinlets, blotches/lenses and boudanages occur at highly variable angles (90-10° to core axis). Unit is weakly to moderately magnetic. Potential folds are visible in the drill core. Lower contact sharp at 30° .

176.46-176.81m xenolith of pink/red layered carbonate/quartz ~90%, irregular contacts
177.29-178.75m sharp contacts at layered pink metasediment with carbonate and disseminated sulphides, at 178.26m becomes layers of grey-white and pink

179.12-180.43m xenolith of pink metasediments, sharp upper contact, gradational lower, has massive grey uniform areas surrounding the contacts
182.20-182.40m felsic dike, pink
191.30-192.50m two or more fault breccias, partly lithified, clay present
211.40-211.75m xenolith of volcanic, carbonated
215.65-215.77m fault breccia

ALTERATION: Strong talc and carbonate alteration, black chlorite present along slip planes and fractures.

MINERALIZATION: Trace to disseminated sulphides.

219.95 231.90 **MAFIC VOLCANICS**
Unit is greenish grey in colour and massive with numerous irregular quartz/carbonate veinlets. Occasional 1-2cm thick areas of quartz/carbonate may represent flow boundaries.

ALTERATION: Areas of greasy brown carbonate alteration (i.e. 228.8-229.5m)

MINERALIZATION: Trace to disseminated sulphides through unit.

231.90 249.80 **ULTRAMAFIC (TALC, CARBONATE)**
As above.
232.99-233.36m strongly sheared with small black crystals present
233.70-235.70m core bleached to a lighter grey colour with green tint, no sulphides
235.70-236.50m xenolith, pink felsic, sharp contacts, contacts are sharp, brecciated near contacts, chlorite on fractures, no sulphides
245.57-245.72m xenolith, mafic, dark grey, hard, trace sulphides

ALTERATION: Strong talc and carbonate alteration.

MINERALIZATION: Sulphide specks scattered through unit.

249.80 401.00 **MAFIC VOLCANICS**

Gradational upper contact defined by talc alteration and no longer magnetic. Unit is grey to light grey-greenish in colour and massive.

263.90-204.25m quartz feldspar porphyry, light grey in colour, most of the crystals are 'washed out'/obscured by alteration, sharp contacts
276.22-277.18m quartz feldspar porphyry, sharp contacts, pink-orange in colour, 1-2mm crystals
267m begin to get hairline carbonate filled fractures (?) at irregular angles, often quite abundant and perpendicular to foliation, occasional alteration haloes surround the fractures
300.2-301.0m silicified
322.80-324.00m quartz feldspar porphyry, grey 1-2mm crystals, sharp contacts, disseminated sulphides, sulphides along fractures
345-348m minor brown carbonate alteration
359.70-360.30m possible ultramafic intrusion, talc, carbonate
359.7-362.0m small quartz gash veinlets with sulphides
370m on get patches of greasy brown carbonate alteration
382.17-383.42m feldspar porphyry, <2mm crystals, grey, sharp contacts, sulphides along chlorite filled fractures
383.12-390.80m baked upper contact, brecciated quartz/carbonate veins with mafic matrix
386.80-387.30m feldspar porphyry, grey
387.65-388.13m feldspar porphyry, altered
388.90-389.00m feldspar porphyry
389.47-389.55m; 389.76-389.85m feldspar porphyry
394.85-396.10m; 396.45-397.80m light brown to tan carbonate altered with disseminated sulphides, contacts visible

ALTERATION: Locally occurring silicification and brown carbonate alteration.

MINERALIZATION: Trace to disseminated sulphides.

END OF HOLE

West Porcupine Project, Northern Ontario

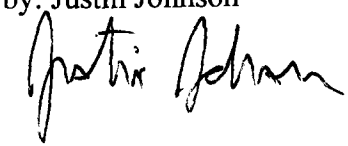
Log of DDH: DF05-55

UTM Zone 15 (NAD 83) mE: 429836
mN: 5338337

Claim 1177123 Elevation: 351m
DDH direction: az: 180° plunge: -50°
Hole length: 350 m
Casing length: 53 m
Casing: Casing left in hole
Other:
Grid Reference: 4+50N 55+50W

Drilled by: Norex Drilling

Setup checked by: J. Johnson
Logged by: Justin Johnson
Signed:



Started: Oct. 14/05
Finished: Oct. 19/05

On: Nov. 21-24/05;

Core: all NQ, trays stored at Norex Drilling's yard, Timmins ON.

0.0-53.0m	Overburden
53.0-74.6m	Mafic Volcanics
74.6-82.0m	Feldspar Porphyry
82.0-108.7m	Mafic Volcanics
108.7-115.8m	Ultramafic (Talc, Carbonate)
115.8-116.8m	Quarzt Feldspar Porphyry
116.8-118.6m	Ultramafic (Talc, Carbonate)
118.6-120.0m	Quartz Feldspar Porphyry
120.0-120.2m	Ultramafic (Talc, Carbonate)
120.2-128.0m	Quartz Feldspar Porphyry
128.0-139.6m	Ultramafic (Talc, Carbonate)
139.6-142.8m	Mafic Volcanics/Metasediment
142.8-143.7m	Ultramafic (Talc, Carbonate)
143.7-146.7m	Mafic Volcanics
146.7-148.0m	Quartz Feldspar Porphyry
148.0-176.3m	Mafic Volcanics with Ultramafics
176.3-178.8m	Quartz Feldspar Porphyry
178.8-179.9m	Ultramafic (Talc, Carbonate)
179.9-181.5m	Quartz Feldspar Porphyry
181.5-350.0m	Mafic Volcanics with Ultramafics
350.0m	End of hole

Highlights:

Several intercepts of anamolous gold values within carbonated mafic volcanics. The largest intercept is 0.9 g/tonne over 11 m. Additional significant gold values as follows;

From (m)	To (m)	Interval (m)	Au g/tonne	Au Check
237.00	238.00	1.00	1.61	1.64
245.00	246.00	1.00	1.00	-
279.00	280.00	1.00	3.98	3.27
284.00	285.00	1.00	3.70	4.20
288.00	289.00	1.00	1.04	-
310.00	311.00	1.00	2.99	3.07

Acid dip tests:

Depth (m)	Dip
100	47°
200	44°
300	42°
350	47°

Sample	From (m)	To (m)	Interval (m)	Au g/tonne	Au Check	Description
52801	74.60	75.10	0.50	0.01	-	Feldspar porphyry contact, trace sulphides.
52802	75.10	76.10	1.00	Nil	-	Feldspar porphyry, disseminated sulphides.
52803	76.10	77.10	1.00	0.01	-	Feldspar porphyry, disseminated sulphides.
52804	86.50	87.00	0.50	0.01	-	Mafic volcanics, trace sulphides, 3cm quartz/carbonate vein with sulphides.
52805	97.20	98.20	1.00	0.01	-	Mafic volcanics, sulphide blebs.
52806	98.20	99.20	1.00	Nil	-	Mafic volcanics, sulphide blebs in carbonate/quartz vein.
52807	114.80	115.80	1.00	Nil	-	Ultramafic, trace sulphides.
52808	115.80	116.78	0.98	0.07	0.06	Quartz feldspar porphyry (red) 3-5% sulphides with magnetite.
52809	116.78	117.80	1.02	0.01	-	Ultramafic, trace sulphides, contains xenolith.
52810	117.80	118.57	0.77	Nil	-	Ultramafic, disseminated sulphides.
52811	118.58	120.00	1.42	Nil	-	Quartz feldspar porphyry (red), trace to disseminated sulphides.
52812	120.00	121.00	1.00	0.02	-	Quartz feldspar porphyry (flesh tone), 16cm ultramafic.
52813	121.00	122.00	1.00	Nil	-	Quartz feldspar porphyry (flesh tone), fine disseminated sulphides, 15cm quartz vein.
52814	122.00	123.00	1.00	0.01	-	Quartz feldspar porphyry (flesh tone), 30 cm quartz vein.
52815	123.00	124.00	1.00	Nil	-	Quartz feldspar porphyry (flesh tone).
52816	124.00	125.00	1.00	Nil	-	Quartz feldspar porphyry (flesh tone), 5 cm quartz vein.
52817	125.00	126.00	1.00	Nil	-	Quartz feldspar porphyry (flesh tone), 2 cm quartz vein.
52818	126.00	127.00	1.00	Nil	-	Quartz feldspar porphyry (flesh tone).
52819	127.00	128.00	1.00	Nil	-	Quartz feldspar porphyry (flesh tone).
52820	128.00	129.00	1.00	0.01	-	Ultramafic, trace sulphides.
52821	129.00	130.00	1.00	Nil	-	Ultramafic, disseminated sulphides.
52822	130.00	131.00	1.00	Nil	-	Ultramafic, disseminated sulphides.
52823	131.00	132.00	1.00	Nil	-	Ultramafic, trace sulphides.
52824	138.60	139.60	1.00	Nil	-	Ultramafic, disseminated sulphides.
52825	139.60	140.60	1.00	Nil	-	Mafic volcanics, disseminated sulphides, brown carbonate alteration.
52826	140.60	141.60	1.00	Nil	Nil	Mafic volcanics, disseminated sulphides, little brown carbonate alteration.
52827	141.60	142.75	1.15	0.01	-	Mafic volcanics, disseminated sulphides, little brown carbonate alteration.
52828	142.75	143.50	0.75	Nil	-	Ultramafic, disseminated sulphides.
52829	143.50	144.50	1.00	Nil	-	Mafic volcanics, disseminated sulphides, little brown carbonate alteration.
52830	144.50	145.50	1.00	Nil	-	Mafic volcanics, disseminated sulphides, little brown carbonate alteration.
52831	145.50	146.70	1.20	Nil	-	Mafic volcanics, disseminated sulphides, little brown carbonate alteration.
52832	146.70	148.03	1.33	Nil	-	Mafic volcanics, disseminated sulphides, little brown carbonate alteration.
52833	148.03	149.00	0.97	Nil	-	Quartz feldspar porphyry, trace sulphides.
52834	149.00	150.00	1.00	Nil	-	Ultramafic, disseminated sulphides.
52835	150.00	151.57	1.57	Nil	-	Ultramafic, disseminated sulphides.
52836	151.57	152.57	1.00	Nil	-	Mafic volcanics, disseminated sulphides, little brown carbonate alteration.

Sample	From (m)	To (m)	Interval (m)	Au g/tonne	Au Check	Description
52837	152.57	153.57	1.00	Nil	-	Mafic volcanics, disseminated sulphides, little brown carbonate alteration.
52838	153.57	154.20	0.63	Nil	-	Mafic volcanics, disseminated sulphides, little brown carbonate alteration.
52839	154.20	155.45	1.25	Nil	-	Ultramafic, disseminated sulphides.
52840	155.45	156.50	1.05	Nil	-	Mafic volcanics with ultramafic patches, disseminated sulphides.
52841	156.50	157.50	1.00	Nil	-	Mafic volcanics, brown alteration, disseminated sulphides.
52842	157.50	158.45	0.95	Nil	-	Mafic volcanics, brown alteration, disseminated sulphides.
52843	158.45	158.97	0.52	Nil	-	Altered quartz, feldspar porphyry.
52844	158.97	160.25	1.28	Nil	-	Ultramafic, disseminated sulphides.
52845	160.25	161.25	1.00	0.02	-	Felsic dike, mafic volcanics with brown alteration, disseminated sulphides.
52846	161.25	162.25	1.00	Nil	-	Ultramafic.
52847	175.25	176.25	1.00	Nil	-	Ultramafic with 40cm of quartz veins.
52848	176.25	177.50	1.25	0.21	0.19	Quartz feldspar porphyry, trace sulphides.
52849	177.50	178.82	1.32	0.1	0.1	Quartz feldspar porphyry, disseminated sulphides.
52850	178.82	179.85	1.03	0.01	-	Ultramafic.
52851	179.85	181.50	1.65	Nil	-	Quartz feldspar porphyry, fine grained sulphides.
52852	181.50	182.50	1.00	Nil	-	Ultramafic, trace sulphides.
52853	182.50	183.50	1.00	0.01	-	Ultramafic, trace sulphides.
52854	183.50	184.65	1.15	Nil	-	Ultramafic, trace sulphides.
52855	184.65	185.65	1.00	0.01	-	Ultramafic, trace sulphides.
52856	185.65	186.50	0.85	Nil	-	Felsic dike, disseminated sulphides, magnetite.
52857	186.50	187.50	1.00	Nil	-	Ultramafic, trace sulphides, quartz veinlets.
52858	187.50	188.50	1.00	Nil	Nil	Ultramafic, trace sulphides, quartz veinlets.
52859	188.50	189.50	1.00	Nil	-	Ultramafic, trace sulphides, quartz veinlets.
52860	189.50	190.50	1.00	Nil	-	Ultramafic, trace sulphides.
52861	190.50	191.33	0.83	Nil	-	Ultramafic, trace sulphides.
52862	191.33	192.40	1.07	0.01	-	Ultramafic, trace sulphides.
52863	192.40	193.40	1.00	Nil	-	Metasedminets, disseminated sulphides.
52864	193.40	194.20	0.80	Nil	-	Metasedminets, disseminated sulphides.
52865	194.20	195.20	1.00	Nil	-	Mafic volcanics, disseminated sulphides.
52866	195.20	196.20	1.00	Nil	-	Mafic volcanics, trace sulphides.
52867	196.20	197.20	1.00	Nil	-	Mafic volcanics, trace sulphides.
52868	197.20	198.20	1.00	Nil	-	Mafic volcanics, quartz veinlets, trace sulphides.
52869	198.20	199.20	1.00	Nil	-	Mafic volcanics, trace sulphides.
52870	199.20	200.20	1.00	Nil	-	Mafic volcanics, quartz veinlets, trace sulphides.
52871	200.20	201.20	1.00	Nil	-	Mafic volcanics, trace sulphides.
52872	201.20	202.20	1.00	0.01	-	Mafic volcanics, quartz veinlets, trace sulphides.

Sample	From (m)	To (m)	Interval (m)	Au g/tonne	Au Check	Description
52873	202.20	203.20	1.00	Nil	-	Mafic volcanics, little brown alteration.
52874	203.20	204.20	1.00	0.02	0.03	Mafic volcanics, dikes, disseminated sulphides.
52875	204.20	205.20	1.00	Nil	-	Mafic volcanics, disseminated sulphides, carbonated.
52876	205.20	206.20	1.00	Nil	-	Mafic volcanics, disseminated sulphides.
52877	Standard			0.72	-	50P 0.727 ppm
52878	206.20	207.20	1.00	Nil	-	Mafic volcanics, disseminated sulphides.
52879	207.20	208.20	1.00	Nil	-	Mafic volcanics, 2% sulphides
52880	208.20	209.20	1.00	0.11	0.1	Mafic volcanics, disseminated to 1% sulphides.
52881	209.20	210.20	1.00	Nil	-	Mafic volcanics, disseminated sulphides.
52882	210.20	211.16	0.96	Nil	-	Mafic volcanics, disseminated sulphides.
52883	211.16	212.00	0.84	0.01	-	Mafic volcanics, felsic dike.
52884	212.00	213.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides, large quartz vein/felsic dike.
52885	213.00	214.00	1.00	Nil	-	Ultramafic.
52886	220.00	221.00	1.00	Nil	-	Ultramafic with mafic volcanic xenolith, disseminated sulphides.
52887	224.00	225.00	1.00	Nil	-	Ultramafic/mafic volcanics, disseminated sulphides.
52888	225.00	226.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides, little brown alteration.
52889	226.00	227.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides, little brown alteration.
52890	227.00	228.00	1.00	Nil	Nil	Mafic volcanics, disseminated sulphides, little brown alteration.
52891	228.00	229.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides to 1%, little brown alteration.
52892	229.00	230.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides, quartz/carbonate veinlets, little brown alteration.
52893	230.00	231.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides, quartz/carbonate veinlets, little brown alteration.
52894	231.00	232.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides, quartz/carbonate veinlets, little brown alteration.
52895	232.00	233.00	1.00	0.01	-	Mafic volcanics, disseminated sulphides, quartz/carbonate veinlets, little brown alteration.
52896	233.00	234.00	1.00	Nil	-	Mafic volcanics, 1% sulphides, quartz/carbonate veinlets, little brown alteration.
52897	234.00	235.00	1.00	0.02	-	Mafic volcanics, disseminated sulphides, quartz/carbonate veinlets, little brown alteration.
52898	235.00	236.00	1.00	0.06	-	Mafic volcanics, disseminated sulphides, quartz/carbonate veinlets, little brown alteration.
52899	236.00	237.00	1.00	0.04	-	Mafic volcanics, disseminated sulphides, quartz/carbonate veinlets, little brown alteration.
52900	237.00	238.00	1.00	1.61	1.64	Mafic volcanics, disseminated sulphides, quartz/carbonate veinlets, little brown alteration.
52901	238.00	239.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides, quartz/carbonate veinlets, little brown alteration.
52902	239.00	240.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides, quartz/carbonate veinlets, little brown alteration.
52903	240.00	241.00	1.00	0.01	-	Mafic volcanics, disseminated sulphides, quartz/carbonate veinlets, little brown alteration.
52904	241.00	241.78	0.78	Nil	-	Mafic volcanics, disseminated sulphides, quartz/carbonate veinlets, little brown alteration.
52905	241.78	242.37	0.59	0.01	-	Quartz feldspar porphyry.
52906	242.37	243.00	0.63	0.05	-	Mafic volcanics, disseminated sulphides.
52907	243.00	244.00	1.00	0.12	-	Mafic volcanics, disseminated sulphides, quartz/carbonate veinlets, little brown alteration.
52908	244.00	245.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides, quartz/carbonate veinlets, little brown alteration.

Sample	From (m)	To (m)	Interval (m)	Au g/tonne	Au Check	Description
52909	245.00	246.00	1.00	1	-	Mafic volcanics, disseminated sulphides, quartz/carbonate veinlets, little brown alteration.
52910	246.00	247.00	1.00	0.09	-	Mafic volcanics, disseminated sulphides, quartz/carbonate veinlets, little brown alteration.
52911	247.00	248.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides, quartz/carbonate veinlets, little brown alteration.
52912	248.00	249.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides, quartz/carbonate veinlets, little brown alteration.
52913	249.00	250.00	1.00	0.01	-	Mafic volcanics, disseminated sulphides, quartz/carbonate veinlets, little brown alteration.
52914	250.00	251.00	1.00	0.26	0.32	Mafic volcanics, disseminated sulphides, quartz/carbonate veinlets, little brown alteration.
52915	251.00	252.00	1.00	0.13	-	Mafic volcanics, disseminated sulphides, little brown alteration.
52916	252.00	253.00	1.00	0.02	-	Mafic volcanics, disseminated sulphides, little brown alteration.
52917	253.00	254.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides, little brown alteration.
52918	254.00	255.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides, little brown alteration.
52919	255.00	256.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides, quartz/carbonate veinlets, little brown alteration.
52920	256.00	257.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides, quartz/carbonate veinlets, little brown alteration.
52921	257.00	258.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides, quartz/carbonate veinlets, little brown alteration.
52922	258.00	259.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides, quartz/carbonate veinlets, little brown alteration.
52923	259.00	260.00	1.00	0.02	-	Mafic volcanics, disseminated sulphides, quartz/carbonate veinlets, little brown alteration.
52924	260.00	261.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides, quartz/carbonate veinlets, little brown alteration.
52925	261.00	262.00	1.00	0.01	-	Mafic volcanics, disseminated sulphides, quartz/carbonate veinlets, little brown alteration.
52926	262.00	263.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides, little brown alteration.
52927	263.00	264.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides, little brown alteration.
52928	264.00	265.00	1.00	0.14	-	Mafic volcanics, disseminated sulphides, little brown alteration.
52929	265.00	266.00	1.00	0.23	0.18	Mafic volcanics, disseminated sulphides, little brown alteration.
52930	266.00	267.00	1.00	0.15	-	Mafic volcanics, disseminated sulphides, little brown alteration.
52931	267.00	268.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides.
52932	268.00	269.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides.
52933	269.00	270.00	1.00	0.19	0.22	Mafic volcanics, disseminated sulphides.
52934	270.00	271.00	1.00	Nil	-	Mafic volcanics, silicified, disseminated sulphides.
52935	271.00	272.00	1.00	Nil	-	Mafic volcanics, silicified, disseminated sulphides.
52936	272.00	273.00	1.00	0.01	-	Mafic volcanics, disseminated sulphides.
52937	273.00	274.00	1.00	0.01	-	Mafic volcanics, disseminated sulphides.
52938	274.00	275.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides, little brown alteration.
52939	275.00	276.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides.
52940	276.00	277.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides.
52941	277.00	278.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides.
52942	278.00	279.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides.
52943	279.00	280.00	1.00	3.98	3.27	Mafic volcanics, disseminated sulphides.
52944	280.00	280.74	0.74	0.41	-	Mafic volcanics, disseminated sulphides.

Sample	From (m)	To (m)	Interval (m)	Au g/tonne	Au Check	Description
52945	280.74	281.61	0.87	0.08	-	Quartz feldspar porphyry, disseminated sulphides.
52946	281.61	283.00	1.39	Nil	-	Mafic volcanics, disseminated sulphides.
52947	283.00	284.00	1.00	0.35	-	Mafic volcanics, disseminated sulphides.
52948	284.00	285.00	1.00	3.7	4.2	Mafic volcanics, 2 quartz veins with 1% sulphides, disseminated sulphides.
52949	285.00	286.00	1.00	0.04	-	Mafic volcanics, quartz filled fractures, disseminated sulphides.
52950	286.00	287.00	1.00	Nil	-	Mafic volcanics, quartz filled fractures, disseminated sulphides.
52951	287.00	288.00	1.00	0.07	-	Mafic volcanics, disseminated sulphides.
52952	288.00	289.00	1.00	1.04	-	Mafic volcanics, 20cm breccia of quartz feldspar porphyry, disseminated sulphides
52953	289.00	290.00	1.00	0.33	-	Mafic volcanics, disseminated sulphides, little brown alteration.
52954	290.00	291.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides, little brown alteration, silicified zones.
52955	291.00	292.00	1.00	0.01	-	Mafic volcanics, disseminated sulphides, little brown alteration, silicified zones.
52956	292.00	293.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides, little brown alteration.
52957	293.00	294.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides, little brown alteration.
52958	294.00	295.00	1.00	0.02	-	Mafic volcanics, disseminated sulphides, little brown alteration.
52959	295.00	296.00	1.00	Nil	-	Mafic volcanics, 1% sulphides, little brown alteration, quartz filled fractures.
52960	296.00	297.00	1.00	0.05	-	Mafic volcanics, disseminated sulphides, little brown alteration, quartz filled fractures.
52961	297.00	298.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides, little brown alteration, 1% sulphides in quartz vein.
52962	298.00	299.00	1.00	0.38	-	Mafic volcanics, disseminated sulphides, little brown alteration, 1% sulphides in quartz vein.
52963	299.00	300.00	1.00	0.13	-	Mafic volcanics, disseminated sulphides, little brown alteration, silicified zones.
52964	300.00	301.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides, little brown alteration, silicified zones.
52965	301.00	302.00	1.00	0.13	-	Mafic volcanics, disseminated sulphides, brecciated and silicified.
52966	302.00	303.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides.
52967	303.00	304.00	1.00	0.29	-	Mafic volcanics, disseminated sulphides, little brown alteration.
52968	304.00	305.00	1.00	0.69	0.63	Mafic volcanics, disseminated sulphides, little brown alteration.
52969	305.00	306.00	1.00	0.12	-	Mafic volcanics, disseminated sulphides, little brown alteration.
52970	306.00	307.00	1.00	0.14	-	Mafic volcanics, disseminated sulphides, little brown alteration.
52971	307.00	308.00	1.00	Nil	-	Mafic volcanics, disseminated sulphides, little brown alteration.
52972	308.00	309.00	1.00	0.04	-	Mafic volcanics, disseminated sulphides, little brown alteration, quartz/carbonate veinlets.
52973	309.00	310.00	1.00	0.28	-	Mafic volcanics, 2% sulphides, silicified, little brown alteration, quartz/carbonate veinlets.
52974	310.00	311.00	1.00	2.99	3.07	Mafic volcanics, disseminated sulphides, little brown alteration, quartz/carbonate veinlets.
52975	Standard			3.41	-	18 PA 3.36 ppm
52976	311.00	312.00	1.00	0.65	-	Mafic volcanics, disseminated sulphides, little brown alteration, quartz/carbonate veinlets.
52977	312.00	313.00	1.00	0.41	-	Mafic volcanics, 1% sulphides, little brown alteration, quartz/carbonate veinlets.
52978	313.00	314.00	1.00	0.43	-	Mafic volcanics, disseminated sulphides, quartz/carbonate veinlets, little brown alteration.

Sample	From (m)	To (m)	Interval (m)	Au g/tonne	Au Check	Description
52979	314.00	315.00	1.00	0.27	-	Mafic volcanics, disseminated sulphides, quartz/carbonate veinlets, little brown alteration.
52980	315.00	316.00	1.00	0.48	-	Breccia of mafic volcanics, medium grained volcanics, siliceous sediments, disseminated sulphides.
52981	316.00	317.00	1.00	0.05	-	Breccia of mafic volcanics, medium grained volcanics, siliceous sediments, disseminated sulphides.
52982	317.00	318.00	1.00	Nil	-	Breccia of mafic volcanics, medium grained volcanics, siliceous sediments, disseminated sulphides.
52983	318.00	319.00	1.00	Nil	-	Breccia of mafic volcanics, medium grained volcanics, siliceous sediments, disseminated sulphides.
52984	319.00	320.00	1.00	0.06	0.06	Breccia of mafic volcanics, medium grained volcanics, siliceous sediments, disseminated sulphides.
52985	320.00	321.00	1.00	0.01	-	Breccia of mafic volcanics, medium grained volcanics, siliceous sediments, disseminated sulphides.
52986	321.00	322.00	1.00	Nil	-	Breccia of mafic volcanics, medium grained volcanics, siliceous sediments, disseminated sulphides.
52987	339.00	340.00	1.00	Nil	-	Sequanite, mafic volcanics (carbonated), disseminated sulphides.
52988	340.00	341.00	1.00	Nil	-	Sequanite, mafic volcanics (carbonated), disseminated sulphides.
52989	341.00	342.00	1.00	Nil	-	Sequanite, quartz feldspar porphyry, disseminated sulphides.
52990	346.00	347.00	1.00	Nil	-	Sequanite, mafic volcanics (carbonated), trace sulphides.
52991	347.00	348.00	1.00	Nil	-	Sequanite, mafic volcanics (carbonated), disseminated sulphides.
52992	348.00	349.00	1.00	0.01	-	Sequanite, mafic volcanics (carbonated), disseminated sulphides.
52993	349.00	350.00	1.00	Nil	-	Sequanite, mafic volcanics (carbonated), disseminated sulphides.

0 53 **OVERBURDEN**

53 74.60 **MAFIC VOLCANIC**
Unit is dark grey to black in colour and fine grained with occasional coarser grained sections. Core is broken to rubble from top of hole to ~87m; there is 1m of grind at ~55m. Numerous carbonate±quartz veinlets/blebs occur as do veinlets of talc. Black chlorite is present on fractures and slip planes. In areas where the core is rubble parts are greenish from chloritization. Last 5 cm before lower contact contains clay in a strongly sheared mafic volcanic, contact is sharp.

67.38-67.55m feldspar phenocrysts occur

ALTERATION: Talc and chlorite are present within veins, minor chloritization of unit.

MINERALIZATION: Specks to patches of disseminated sulphides occur sporadically through unit.

74.60 82.00 **FELDSPAR PORPHYRY**
Unit has a sharp upper contact with an ~20cm chill zone characterized by a grey matrix (colour changes gradationally to white) with small partially assimilated xenoliths of volcanics. The unit is off white (light green-grey) colour with the crystals difficult to see (averaging 1-2mm) due to alteration. Fractures are filled with a mafic material, small 1x2mm patches of mafic material also occur. Quartz veins are rare. The lower contact is obscured by rubble core but believed to be sharp. Last ~15cm of unit the colour darkens and the feldspar crystals become more obvious.

ALTERATION: Obscuring of features cause by alteration (silicification?).

MINERALIZATION: Sulphide specks throughout the unit.

82.00 108.70 **MAFIC VOLCANIC**
Upper contact believed sharp but obscured by rubble core, lower contact uncertain and obscured in potential fault breccia beginning at 105.3-108.7m. Unit is dark grey-grey in colour with sections of broken core. Quartz/carbonate veinlets and blebs are common as are the occasional talc/serpentine veinlet. Areas of medium grained volcanics/altered lapilli tuff commonly occur and have a sharp upper contact with gradational lower contacts. Small patches of silicification occur (i.e. 94m).

105.3-108.7m fault breccia, clay within rubble

ALTERATION: Patches of silicification, minor carbonatization.

MINERALIZATION: Disseminated to trace sulphides sporadically throughout unit.

108.70 115.80 **ULTRAMAFIC (TALC, CARBONATE)**
Upper contact is lost in fault breccia; lower contact is sharp with a 1 cm baked contact. The core is broken throughout the unit. The unit is grey to light grey in colour with numerous carbonate±quartz veinlets, blebs and lenses. Talc alteration is strong throughout unit as is carbonatization (core soft enough to scratch with fingernail). The unit is weakly to moderately magnetic.

109.70-110.20m ~80-90% carbonate±quartz
110.50-111.20m ~80-90% carbonate±quartz

ALTERATION: Strong talc and carbonate alteration, minor black chlorite along fractures.

MINERALIZATION: Trace sulphides.

115.80 116.78 **QUARTZ FELDSPAR PORPHYRY (RED)**
Unit has sharp upper and lower contacts. Unit is red to dark red in colour with crystals <2mm dominating. Quartz/carbonate veinlets cross cut the core at irregular angles. Sulphides vary from trace to 2x5cm blebs of pyrite±pyrrhotite often associated with magnetite. End of unit has minor brecciation with magnetite and sulphides indicating the both may have been introduced into the unit.

ALTERATION: None visible.

MINERALIZATION: Trace sulphides to 2x5cm blebs of pyrite±pyrrhotite, unit averages 4% sulphides.

116.78 118.58 **ULTRAMAFIC (TALC, CARBONATE)**
Unit has sharp contacts with thin baked zones. As above.

117.30-117.80m xenolith or veinlet cuts ½ core, consisting of quartz/carbonate/feldspar (possible a narrow cut of a QFP) with a baked margin of talc/chlorite

ALTERATION: Strong talc and carbonate alteration, minor black chlorite along fractures.

MINERALIZATION: Sulphides near the upper and lower contacts.

118.58 120.00 **QUARTZ FELDSPAR PORPHYRY (RED)**
Sharp contacts. As above with fewer quartz/carbonate veinlets and less sulphides. Most features are obscured by red (haematitic) alteration.

ALTERATION: Hematite alteration?

MINERALIZATION: Trace sulphides.

120.00 120.16 **ULTRAMAFIC (TALC, CARBONATE)**
Upper contacts sharp. Unit is as above with the majority of it obscured by 'baking'.

ALTERATION: Strong talc and carbonate alteration.

MINERALIZATION: Trace sulphides.

120.16 128.00 **QUARTZ FELDSPAR PORPHYRY (ALTERED**
Unit has sharp upper and lower contacts. Unit is grey to pinkish to flesh coloured. Numerous quartz veins highly variable in size, thin (<1cm) veins often have sulphides associated with them while thicker veins (1-15cm) are white and barren. Fractures are found with chlorite or a mafic mineral along them. In addition mafic blebs occur within the unit. Crystals 1-2mm in size are mostly obscured by alteration.

ALTERATION: Features obscured by silicification(?).

MINERALIZATION: Fine grained disseminated sulphides occur through unit.

128.00 139.60 **ULTRAMAFIC (TALC, CARBONATE)**
Unit has sharp contacts with thin baked zones, weakly to moderately magnetic. As above.
136.7-137.0m rubble with clay and biotite present

ALTERATION: Strong talc and carbonate alteration, minor black chlorite along fractures.

MINERALIZATION: Trace sulphides.

139.60 142.75 **MAFIC VOLCANICS/METASEDIMENTS**
Sharp upper and lower contacts, upper contact baked for 10 cm. Unit is grey in colour, laminated/layered and strongly deformed (small scale folds visible in core). Quartz/carbonate veinlets and blebs occur throughout the unit. Greasy brown carbonate alteration sporadically occurs through the unit. Sections of the unit are brecciated by quartz/carbonate veins.
141.80-142.15m ultramafic intrusion
141.32-141.40m quartz feldspar (red-tan), sharp contacts

ALTERATION: Carbonate alteration common.

MINERALIZATION: Fine grained sulphides sporadically throughout unit.

142.75 143.70 **ULTRAMAFIC (TALC, CARBONATE)**
Sharp contacts, weakly magnetitic. As above.

ALTERATION: Strong talc and carbonate alteration, minor black chlorite along fractures.

MINERALIZATION: Trace sulphides.

143.50 146.70 **MAFIC VOLCANICS**
Sharp upper and lower contacts. Unit is foliated at 60-65° to core axis and is dark grey in colour. Zones of brown carbonate alteration occur as does a small section of altered varioles (2-5cm in size).
144.85-145.25m sharp contacts, fine grained grey colour

146.48-146.60m ~90% felsics (varioles) followed by 10cm of massive mafic volcanic

ALTERATION: Areas of greasy brown carbonate alteration.

MINERALIZATION: Disseminated sulphides throughout unit.

146.70 148.03 **QUARTZ FELDSPAR PORPHYRY (RED)**
Unit has sharp upper and lower contacts. The unit is flesh tone in colour with the first ~20cm grey in colour. Chlorite commonly occurs along fractures, often with sulphides. Xenoliths of volcanics can occur (i.e. 147.80-147.86m). Crystals are pale and 'washed out' making them difficult to observe.

ALTERATION: Minor hematite alteration.

MINERALIZATION: Trace sulphides along fractures.

148.03 148.39 **ULTRAMAFIC (TALC, CARBONATE)**
Unit has sharp contacts with thin baked zones. As above.

ALTERATION: Strong talc and carbonate alteration, minor black chlorite along fractures.

MINERALIZATION: Disseminated sulphides.

148.39 149.00 **MAFIC VOLCANICS**
Sharp contacts, lower contact baked ~1cm. As above (143.5m), with 70% of unit light brown coloured.

ALTERATION: Brown carbonate alteration common.

MINERALIZATION: Disseminated sulphides.

149.00 151.57 **ULTRAMAFIC (TALC, CARBONATE)**
Sharp lower contact, upper contact sharp with chill zone. As above.

ALTERATION: Strong talc and carbonate alteration.

MINERALIZATION: Disseminated sulphides.

151.57 154.20 **MAFIC VOLCANICS (METASEDIMETNS?)**
Sharp contacts. As above with foliation @ 60-70° to core axis. Light brown carbonate alteration common, felsic 'blebs' 1-3cm in size (varioles) define potential flow tops. 10cm quartz vein at start of unit.

ALTERATION: Areas of greasy brown carbonate alteration.

MINERALIZATION: Disseminated sulphides throughout unit.

154.20 155.45 **ULTRAMAFIC (TALC, CARBONATE)**
Sharp upper contact, lower contact irregular with 1cm quartz/carbonate vein. As above.

ALTERATION: Strong talc and carbonate alteration.

MINERALIZATION: Disseminated sulphides.

155.45 158.45 **MAFIC VOLCANICS (METASEDIMETNS?)**
Sharp contacts. As above with foliation @ 70-50° to core axis (70° the majority). Light brown carbonate alteration common.
158.97-159.06m & 159.35-159.49m possible ultramafic intrusions

ALTERATION: Areas of greasy brown carbonate alteration.

MINERALIZATION: Disseminated sulphides throughout unit.

158.45 158.97 **QUARTZ FELDSPAR PORPHYRY (ALTERED)**
Upper contact irregular along quartz/carbonate vein. Severely altered with very few visible crystals. Unit is brecciated with numerous partly assimilated xenoliths. Lower contact is baked for ~1cm.

ALTERATION: Mostly due to assimilation of xenoliths.

MINERALIZATION: Trace sulphides.

158.97 160.25 **ULTRAMAFIC (TALC, CARBONATE)**
Unit has sharp contacts with thin baked zones. As above.

ALTERATION: Strong talc and carbonate alteration.

MINERALIZATION: Sulphide specks scattered through unit.

160.25 160.75 **MAFIC VOLCANICS**
Sharp contacts. As above.

ALTERATION: Brown carbonate alteration common.

MINERALIZATION: Disseminated sulphides.

160.75 161.25 **FELSIC DIKE (APALITE)**
Sharp contacts. Unit is fine grained orange-pinkish in colour. Xenoliths of mafic material occur.

ALTERATION: None visible.

MINERALIZATION: Fine grained sulphides.

161.25 161.30 **MAFIC VOLCANICS (METASEDIMETNS?)**
Sharp contacts. As above.

ALTERATION: Carbonate alteration.

MINERALIZATION: Disseminated sulphides throughout unit.

161.30 176.25 **ULTRAMAFIC (TALC, CARBONATE)**
Sharp upper and lower contacts. As above (possible lapilli tuff xenoliths).
175.20-175.40m core is 'crumbled'
175.40-176.25m ~90% white quartz veins, no sulphides

ALTERATION: Strong talc and carbonate alteration.

MINERALIZATION: Disseminated sulphides.

176.25 178.82 **QUARTZ FELDSPAR PORPHYRY (PINK/RED)**
Sharp contacts. Unit is pink-red in colour with chlorite along fractures. Most features are obscured by red (haematitic) alteration.

ALTERATION: Hematite alteration?

MINERALIZATION: Disseminated sulphides.

178.82 179.85 **ULTRAMAFIC (TALC, CARBONATE)**
Upper contacts sharp. Unit is as above.

ALTERATION: Strong talc and carbonate alteration.

MINERALIZATION: Trace sulphides.

179.85 181.50 **QUARTZ FELDSPAR PORPHYRY**
Unit has sharp upper and lower contacts. Unit is pale orange in colour (as above).

ALTERATION: Minor hematite alteration?

MINERALIZATION: Fine grained disseminated sulphides occur through unit.

181.50 185.65 **ULTRAMAFIC (TALC, CARBONATE)**
Unit has sharp contacts. As above.

ALTERATION: Strong talc and carbonate alteration, minor black chlorite along fractures.

MINERALIZATION: Trace sulphides.

185.65 186.50 **FELSIC DIKE (APALITE)**
Sharp upper and lower contacts. Unit is fine grained, dull orange-pink in colour (potentially altered quartz feldspar porphyry). Magnetite is found along fractures and as lenses/wisps with sulphides. ~8% magnetite in unit, mostly as lenses with a weak orientation of 30-45° to core axis.

ALTERATION: Possible hematite alteration.

MINERALIZATION: Disseminated sulphides throughout unit.

186.50 192.40 **ULTRAMAFIC (TALC, CARBONATE)**
Sharp contacts, weakly magnetitic. As above.
187.30-187.60m; 88.00-88.38m; 189.23-189.36m large white quartz/carbonate veins the cut the core at irregular angles (sometimes run ½ width of core), surrounded by a baked rim of ultramafic
188.82-188.97m felsic intrusive, fine grained, pink with numerous fractures filled with chlorite (?), ~3% sulphides, baked margins of ultramafic surrounding
191.33-191.36m; 191.50-191.90m xenoliths

ALTERATION: Strong talc and carbonate alteration, minor black chlorite along fractures.

MINERALIZATION: Trace sulphides.

192.40 194.20 **METASEDIMETNS (CARBONATE)**

Sharp upper contact with ~10cm baked zone, lower contact is gradational. Unit is layered grey, carbonated sediments with quartz/carbonate lenses and veins. In addition numerous 1-2mm feldspar (?) crystals are visible (white, translucent). Unit may also be strongly altered volcanics.

ALTERATION: Carbonate alteration.

MINERALIZATION: Disseminated sulphides.

194.20 213.01 **MAFIC VOLCANICS (CARBONATE)**

Upper contact is gradational. Unit is dark grey with irregular quartz/carbonate veinlets common. Patches of 2-3mm feldspar, quartz and carbonate crystals. Some grey quartz veins occur. Lower contact sharp with 2cm baked zone.

202m colour lightens, core angles become 10-30° to core axis
203.45-203.74m ~90% quartz/carbonate
204.04-204.20m felsic dike, fine grained, grey-light orange, trace sulphides
207m sulphide content increases
209-end of unit light brown alteration
208.87-208.93m ~10% sulphides
211.16-211.30m felsic dike, pink
211.40-212.0m light grey with light brown layers
212.00-212.07m quartz vein with pink alteration surrounding it

ALTERATION: Carbonate alteration.

MINERALIZATION: Trace sulphides to 207m then disseminated to 1% sulphides.

213.01 224.35 **ULTRAMAFIC (TALC, CARBONATE)**

Unit has sharp upper contact, lower contact gradational and based on the disappearance of alteration minerals. As above.

214.42-215.62m sharp contacts, gneiss foliated at 65° to core axis, ~90% felsic with mafic slips and bands

217.85-218.00m mafic xenolith

220.29-220.36m; 220.51-220.60m mafic xenolith with 1% sulphides

ALTERATION: Strong talc and carbonate alteration, minor black chlorite along fractures.

MINERALIZATION: Trace sulphides.

224.35 350.00 **MAFIC VOLCANICS**

Upper contact is gradational and indistinct. Unit is grey-dark grey with light brown carbonate alteration through most of it. Quartz/carbonate veinlets, lenses are common. Grey quartz veinlets occur as do veinlets with sulphides.

224.77-224.90m ultramafic intrusion
229.16-229.20m quartz feldspar porphyry, grey with sharp contacts
230-250m becomes laminated (carbonated metasediments?) at 50° to core axis, sulphide content increase, laminated zone sporadically occur to end of unit
235.5m 2cm pyrite lense
237.12-237.50m brecciated area with ~60% white quartz feldspar porphyry clasts, 2% sulphides
241.78-242.37m quartz feldspar porphyry, white, 1-2mm crystals, no sulphides
280.74-281.61m quartz feldspar porphyry, white, chlorite along fractures with sulphide, sharp contacts, little sericite alteration
285m patches of sulphides in quartz veins become common
289.00-289.20m brecciated quartz feldspar with sulphides
291.5-292.5m silicified
292.40-293.30m silicified, may be severely altered quartz feldspar porphyry with faded crystals visible, slight orange colour and definable contacts
~290m core takes on a light brown tin
299.1-301.2m silicified with 1% sulphides
310-311m silicified with 2% sulphides
315m unit becomes brecciated with areas of mafic volcanics cut by quartz/carbonate veinlets, medium grained volcanics/lapilli tuffs, metasediments (carbonated±silicified), siliceous volcanics and siliceous metasediments (chert) all with brecciated contacts, sulphides decrease in abundance to ~321m then stop except for rare specks

329.00-329.70m quartz feldspar porphyry, light tan in colour, 1-2mm crystals
337.06m sequanite, very strong sericiatization and silicification, light brown in colour and layered at 50-55° to core axis, hard, still has brecciated contacts with carbonated mafics and quartz/carbonate veinlets
341.42-342.00 quartz feldspar porphyry, white with trace sulphides
347m sulphides reappear to end of hole

ALTERATION: Carbonate alteration.

MINERALIZATION: Disseminated sulphides to 321m and from 347m to end of unit.

END OF HOLE

APPENDIX B

ASSAY CERTIFICATES

Swastika Laboratories Ltd

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Assay Certificate

5W-3108-RA1

Company: **MAESTRO VENTURES**
Project: DF-05-54
Attn:

Date: DEC-13-05

We hereby certify the following Assay of 56 Core samples submitted DEC-02-05 by .

Sample Number	Au g/tonne	Au Check g/tonne
52857	Nil	-
52858	Nil	Nil
52859	Nil	-
52860	Nil	-
52861	Nil	-
52862	0.01	-
52863	Nil	-
52864	Nil	-
52865	Nil	-
52866	Nil	-
52867	Nil	-
52868	Nil	-
52869	Nil	-
52870	Nil	-
52871	Nil	-
52872	0.01	-
52873	Nil	-
52874	0.02	0.03
52875	Nil	-
52876	Nil	-
52877	0.72	-
52878	Nil	-
52879	Nil	-
52880	0.11	0.10
52881	Nil	-
52882	Nil	-
52883	0.01	-
52884	Nil	-
52885	Nil	-
52886	Nil	-

Certified by Denis Charette

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Telephone (705) 642-3244 Fax (705) 642-3300

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Assaying - Consulting - Representation

Assay Certificate

5W-3108-RA1

Company: **MAESTRO VENTURES**
Project: DF-05-54
Attn:

Date: DEC-13-05

We hereby certify the following Assay of 56 Core samples submitted DEC-02-05 by .

Sample Number	Au g/tonne	Au Check g/tonne
52887	Nil	-
52888	Nil	-
52889	Nil	-
52890	Nil	Nil
52891	Nil	-
52892	Nil	-
52893	Nil	-
52894	Nil	-
52895	0.01	-
52896	Nil	-
52897	0.02	-
52898	0.06	-
52899	0.04	-
52900	1.61	1.64
52901	Nil	-
52902	Nil	-
52903	0.01	-
52904	Nil	-
52905	0.01	-
52906	0.05	-
52907	0.12	-
52908	Nil	-
52909	1.00	-
52910	0.09	-
52911	Nil	-
52912	Nil	-
Blank	Nil	-
STD OxJ36	2.32	-

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Assay Certificate

5W-3135-RA1

Company: **MAESTRO VENTURES INC.**
Project: DF-05-54
Attn:

Date: DEC-13-05

We hereby certify the following Assay of 75 Core samples submitted DEC-05-05 by .

Sample Number	Au g/tonne	Au Check g/tonne
52624	Nil	-
52625	Nil	-
52626	0.01	Nil
52627	0.01	-
52628	0.01	-
52629	0.01	-
52630	Nil	-
52631	Nil	-
52632	Nil	-
52633	Nil	-
52634	0.01	-
52635	Nil	-
52636	Nil	-
52637	Nil	-
52638	0.02	-
52639	Nil	-
52640	0.01	-
52641	Nil	-
52642	0.01	-
52643	0.01	-
52644	Nil	-
52645	0.02	-
52646	Nil	-
52647	Nil	-
52648	0.01	-
52649	0.01	Nil
52650	Nil	-
52651	Nil	-
52652	Nil	-
52653	Nil	-

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5W-3135-RA1

Company: **MAESTRO VENTURES INC.**
Project: DF-05-54
Attn:

Date: DEC-13-05

We hereby certify the following Assay of 75 Core samples submitted DEC-05-05 by .

Sample Number	Au g/tonne	Au Check g/tonne
52654	Nil	-
52655	Nil	-
52656	Nil	-
52657	Nil	-
52658	Nil	0.01
52659	Nil	-
52660	0.01	-
52661	Nil	-
52662	Nil	-
52663	Nil	-
52664	Nil	-
52665	Nil	-
52666	Nil	-
52667	0.01	-
52668	Nil	-
52669	Nil	-
52670	Nil	-
52671	0.01	-
52672	0.01	Nil
52673	Nil	-
52674	Nil	-
52675	Nil	-
52676	0.19	-
52677	Nil	-
52678	Nil	0.02
52679	Nil	-
52680	Nil	-
52681	Nil	-
52682	Nil	-
52683	Nil	-

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5W-3135-RA1

Company: **MAESTRO VENTURES INC.**
Project: DF-05-54
Attn:

Date: DEC-13-05

We hereby certify the following Assay of 75 Core samples submitted DEC-05-05 by .

Sample Number	Au g/tonne	Au Check g/tonne
52684	Nil	-
52685	Nil	-
52686	Nil	-
52687	0.08	-
52688	0.07	-
52689	0.09	-
52690	0.18	-
52691	Nil	Nil
52692	0.14	-
52693	Nil	-
52694	0.11	-
52695	0.03	-
52696	0.01	-
52697	0.10	-
52698	0.13	-
Blank	Nil	-
STD OxJ36	2.43	-

Certified by Dennis Charter

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5W-3107-RA1

Company: **MAESTRO VENTURES**
Project: DF 05-54
Attn:

Date: DEC-13-05

We hereby certify the following Assay of 56 Core samples submitted DEC-02-05 by .

Sample Number	Au g/tonne	Au Check g/tonne
52801	0.01	-
52802	Nil	-
52803	0.01	-
52804	0.01	-
52805	0.01	-
52806	Nil	-
52807	Nil	-
52808	0.07	0.06
52809	0.01	-
52810	Nil	-
52811	Nil	-
52812	0.02	-
52813	Nil	-
52814	0.01	-
52815	Nil	-
52816	Nil	-
52817	Nil	-
52818	Nil	-
52819	Nil	-
52820	0.01	-
52821	Nil	-
52822	Nil	-
52823	Nil	-
52824	Nil	-
52825	Nil	-
52826	Nil	Nil
52827	0.01	-
52828	Nil	-
52829	Nil	-
52830	Nil	-

Certified by Denis Charter

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Assay Certificate

5W-3107-RA1

Company: **MAESTRO VENTURES**
Project: DF 05-54
Attn:

Date: DEC-13-05

We hereby certify the following Assay of 56 Core samples submitted DEC-02-05 by .

Sample Number	Au g/tonne	Au Check g/tonne
52831	Nil	-
52832	Nil	-
52833	Nil	-
52834	Nil	-
52835	Nil	-
52836	Nil	-
52837	Nil	-
52838	Nil	-
52839	Nil	-
52840	Nil	-
52841	Nil	-
52842	Nil	-
52843	Nil	-
52844	Nil	-
52845	0.02	-
52846	Nil	-
52847	Nil	-
52848	0.21	0.19
52849	0.10	0.10
52850	0.01	-
52851	Nil	-
52852	Nil	-
52853	0.01	-
52854	Nil	-
52855	0.01	-
52856	Nil	-
Blank	Nil	-
STD OxJ36	2.32	-

Certified by Denis Thorne

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5W-3109-RA1

Company: **MAESTRO VENTURES**
Project: DF 05-55
Attn:

Date: DEC-12-05

We hereby certify the following Assay of 70 Core samples submitted DEC-02-05 by .

Sample Number	Au g/tonne	Au Check g/tonne
52913	0.01	-
52914	0.26	0.32
52915	0.13	-
52916	0.02	-
52917	Nil	-
52918	Nil	-
52919	Nil	-
52920	Nil	-
52921	Nil	-
52922	Nil	-
52923	0.02	-
52924	Nil	-
52925	0.01	-
52926	Nil	-
52927	Nil	-
52928	0.14	-
52929	0.23	0.18
52930	0.15	-
52931	Nil	-
52932	Nil	-
52933	0.19	0.22
52934	Nil	-
52935	Nil	-
52936	0.01	-
52937	0.01	-
52938	Nil	-
52939	Nil	-
52940	Nil	-
52941	Nil	-
52942	Nil	-

Certified by Dennis Chartier

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5W-3109-RA1

Company: **MAESTRO VENTURES**
Project: DF 05-55
Attn:

Date: DEC-12-05

We hereby certify the following Assay of 70 Core samples submitted DEC-02-05 by .

Sample Number	Au g/tonne	Au Check g/tonne
52943	3.98	3.27
52944	0.41	-
52945	0.08	-
52946	Nil	-
52947	0.35	-
52948	3.70	4.20
52949	0.04	-
52950	Nil	-
52951	0.07	-
52952	1.04	-
52953	0.33	-
52954	Nil	-
52955	0.01	-
52956	Nil	-
52957	Nil	-
52958	0.02	-
52959	Nil	-
52960	0.05	-
52961	Nil	-
52962	0.38	-
52963	0.13	-
52964	Nil	-
52965	0.13	-
52966	Nil	-
52967	0.29	-
52968	0.69	0.63
52969	0.12	-
52970	0.14	-
52971	Nil	-
52972	0.04	-

Certified by Denis Chartier

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5W-3109-RA1

Company: **MAESTRO VENTURES**
Project: DF 05-55
Attn:

Date: DEC-12-05

We hereby certify the following Assay of 70 Core samples submitted DEC-02-05 by .

Sample Number	Au g/tonne	Au Check g/tonne
52973	0.28	-
52974	2.99	3.07
52975	3.41	-
52976	0.65	-
52977	0.41	-
52978	0.43	-
52979	0.27	-
52980	0.48	-
52981	0.05	-
52982	Nil	-
Blank	Nil	-
STD OxJ36	2.29	-

Certified by Denis Chartrand

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5W-3136-RA1

Company: **MAESTRO VENTURES INC.**
Project: DF-05-54
Attn:

Date: DEC-14-05

We hereby certify the following Assay of 70 Core samples submitted DEC-05-05 by .

Sample Number	Au g/tonne	Au Check g/tonne
52699	0.10	-
52700	0.36	0.42
52701	0.20	-
52702	0.01	-
52703	0.88	0.67
52704	0.01	-
52705	Nil	-
52706	Nil	-
52707	Nil	-
52708	0.10	-
52709	0.01	-
52710	0.01	-
52711	Nil	-
52712	Nil	-
52713	Nil	-
52714	Nil	-
52715	Nil	-
52716	0.01	-
52717	0.01	-
52718	0.12	-
52719	0.07	-
52720	0.30	0.28
52721	2.96	3.12
52722	Nil	-
52723	Nil	-
52724	Nil	-
52725	Nil	-
52726	Nil	-
52727	0.02	0.01
52728	0.01	-

Certified by Denis Charter

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Assay Certificate

5W-3136-RA1

Company: **MAESTRO VENTURES INC.**
Project: DF-05-54
Attn:

Date: DEC-14-05

We hereby certify the following Assay of 70 Core samples submitted DEC-05-05 by .

Sample Number	Au g/tonne	Au Check g/tonne
52729	0.05	-
52730	0.03	-
52731	0.05	-
52732	0.01	Nil
52733	0.01	-
52734	0.02	-
52735	0.02	-
52736	0.01	-
52737	Nil	-
52738	Nil	-
52739	Nil	-
52740	Nil	-
52741	0.02	-
52742	0.03	-
52743	0.01	-
52744	0.04	-
52745	0.04	-
52746	0.09	0.09
52747	0.03	-
52748	0.01	-
52749	0.03	-
52750	2.68	-
52751	0.01	-
52752	Nil	-
52753	0.14	-
52754	0.12	-
52755	0.49	0.32
52756	0.23	-
52757	0.05	-
52983	Nil	-

Certified by Denis Charette

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5W-3136-RA1

Company: **MAESTRO VENTURES INC.**
Project: DF-05-54
Attn:

Date: DEC-14-05

We hereby certify the following Assay of 70 Core samples submitted DEC-05-05 by .

Sample Number	Au g/tonne	Au Check g/tonne
52984	0.06	0.06
52985	0.01	-
52986	Nil	-
52987	Nil	-
52988	Nil	-
52989	Nil	-
52990	Nil	-
52991	Nil	-
52992	0.01	-
52993	Nil	-
Blank	Nil	-
STD OxJ36	2.26	-

Certified by Denis Charette

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5W-2940-RA1

Company: **MAESTRO VENTURES**
Project: WDF
Attn:

Date: NOV-25-05

We hereby certify the following Assay of 58 Core samples submitted NOV-18-05 by .

Sample Number	Au g/tonne	Au Check g/tonne
52501	Nil	-
52502	Nil	-
52503	Nil	-
52504	0.08	0.07
52505	Nil	-
52506	0.01	-
52507	Nil	-
52508	Nil	-
52509	0.01	Nil
52510	Nil	-
52511	Nil	-
52512	Nil	-
52513	Nil	-
52514	Nil	-
52515	Nil	-
52516	Nil	-
52517	Nil	-
52518	0.01	-
52519	0.01	-
52520	Nil	-
52521	Nil	-
52522	Nil	-
52523	Nil	-
52524	Nil	-
52525	Nil	-
52526	Nil	-
52527	Nil	Nil
52528	Nil	-
52529	Nil	-
52530	Nil	-

Certified by Denis Chamberland

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5W-2940-RA1

Company: **MAESTRO VENTURES**
Project: WDF
Attn:

Date: NOV-25-05

We hereby certify the following Assay of 58 Core samples submitted NOV-18-05 by .

Sample Number	Au g/tonne	Au Check g/tonne
52531	Nil	-
52532	Nil	-
52533	0.03	-
52534	Nil	-
52535	Nil	-
52536	Nil	-
52537	Nil	-
52538	0.01	-
52539	Nil	-
52540	Nil	-
52541	Nil	-
52542	Nil	-
52543	Nil	Nil
52544	Nil	-
52545	Nil	-
52546	Nil	-
52547	Nil	-
52548	Nil	-
52549	0.01	-
52550	Nil	-
52551	Nil	-
52552	Nil	-
52553	Nil	-
52562	Nil	-
52563	Nil	-
52564	Nil	-
52565	Nil	-
52566	Nil	-
Blank	Nil	-
STD OxJ36	2.41	-

Certified by Denis Charbonneau

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Assay Certificate

5W-2452-RA1

Company: **MAPLE MIN/CANADIAN GOLD DRAGON**
Project: WP
Attn: B. Middleton

Date: OCT-14-05

We hereby certify the following Assay of 65 Core samples submitted OCT-07-05 by .

Sample Number	Au g/tonne	Au Check g/tonne
52554	0.08	0.09
52555	Nil	-
52556	Nil	-
52557	Nil	-
52558	Nil	-
52559	Nil	-
52560	Nil	-
52561	0.01	-
52562 not rec'd	-	-
52563 not rec'd	-	-
52564 not rec'd	-	-
52565 not rec'd	-	-
52566 not rec'd	-	-
52567	Nil	-
52568	Nil	-
52569	Nil	-
52570	Nil	-
52571	Nil	-
52572	Nil	-
52573	Nil	0.01
52574	Nil	-
52575	Nil	-
52576	0.11	0.12
52577	Nil	-
52578	Nil	-
52579	Nil	-
52580	Nil	-
52581	Nil	-
52582	Nil	-
52583	Nil	-

Certified by Denis Thorne

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Assay Certificate

5W-2452-RA1

Company: **MAPLE MIN/CANADIAN GOLD DRAGON**
Project: WP
Attn: B. Middleton

Date: OCT-14-05

We hereby certify the following Assay of 65 Core samples submitted OCT-07-05 by .

Sample Number	Au g/tonne	Au Check g/tonne
52584	Nil	-
52585	0.01	-
52586	Nil	-
52587	Nil	-
52588	Nil	-
52589	Nil	-
52590	Nil	-
52591	Nil	-
52592	Nil	-
52593	Nil	-
52594	Nil	-
52595	Nil	-
52596	0.04	0.02
52597	Nil	-
52598	Nil	-
52599	Nil	-
52600	Nil	-
52601	Nil	-
52602	Nil	-
52603	Nil	-
52604	Nil	-
52605	Nil	-
52606	Nil	-
52607	Nil	-
52608	Nil	-
52609	Nil	-
52610	Nil	Nil
52611	Nil	-
52612	Nil	-
52613	Nil	-

Certified by Denis Charter

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Assay Certificate

5W-2452-RA1

Company: **MAPLE MIN/CANADIAN GOLD DRAGON**
Project: WP
Attn: B. Middleton

Date: OCT-14-05

We hereby certify the following Assay of 65 Core samples submitted OCT-07-05 by .

Sample Number	Au g/tonne	Au Check g/tonne
52614	Nil	-
52615	Nil	-
52616	Nil	-
52617	Nil	-
52618	0.01	-
52619	Nil	Nil
52620	Nil	-
52621	Nil	-
52622	Nil	-
52623	Nil	-
Blank	Nil	-
STD OxJ36	2.48	-

Certified by Denis Chartrand

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