

**INITIAL 2011 DIAMOND DRILLING
REPORT**

on the

**RADIO HILL PROPERTY,
TIMMINS WEST PROJECT,
PORCUPINE MINING DIVISION,
NORTHEASTERN ONTARIO**

For

ROGUE RESOURCES

October 14, 2011

J Kevin Montgomery, P. Geo.



Radio Hill 2011 Drilling Assessment Report

SUMMARY

The Radio Hill Property, held by Rogue Resources, is situated 80 km southwest of Timmins, Ontario. It is comprised of 11 unpatented mining claims (1,789 hectares) in Penhorwood Township. It forms part of Rogue Resources Timmins West Project.

Previous exploration work by Rogue Resources on the Radio Hill Property has included in 2008 a two hole diamond drilling program and mechanical stripping on the Radio Hill Iron Formation. This was followed in 2010 by the drilling of hole RH10-01.

The objective of the 2011 diamond drilling program is to carry out an updated 43-101 compliant resource estimate on the Radio Hill iron deposit. The deposit has a historical resource of 427 million tons grading 27.3% iron. The Radio Hill deposit was developed in the 1960s by Kukatush Mining Corp.

The drill holes of this report were drilled and logged from August 15 to September 30, 2011. It covers the following drill holes: RH11-01, RH11-02, RH11-03, RH11-05, RH11-15, RH11-16 and RH11-17. The drilling program is on-going as of October 14, 2011.

It is recommended that the iron formation intersected in the drill holes be sampled and sent for analysis. The analysis should include the following whole rock XRF analysis, Satmagan testing and Davis Tube Recovery testing with concentrate assaying. This assay data set will allow for a more accurate, updated resource estimate, together with a general picture of the geochemistry of the Iron Ore from the Radio Hill Deposit.

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Map 1 Radio Hill Drill Hole Location Map	
Sections RH11-01, RH11-02, RH11-03, RH11-05, RH11-15, RH11-16 and RH11-17	

INTRODUCTION

The Radio Hill Property is comprised of 11 contiguous unpatented mining claims (111 claim units) covering approximately 1,789 hectares in Penhorwood Township. The property is held 100% by Rogue Resources Inc.

Exploration work in 2008 consisted of diamond drilling (Hartley, 2008) and mechanical stripping on the Radio Hill Iron Formation (Montgomery and Sparling, 2008). This was followed in 2010 by the drilling of hole RH10-01 (Montgomery, 2011).

This report describes part of the 2011 diamond drilling program on the Radio Hill Property that was carried out from August 15 to September 30, 2011. The objective of the 2011 diamond drilling program is to complete an updated 43-101 compliant resource estimate on the Radio Hill iron deposit. The program is on going as of October 14, 2011.

PROPERTY LOCATION AND ACCESS

The Radio Hill Property, held by Rogue Resources is located 76 kilometres southwest of Timmins, Ontario (Figure 1). It is comprised of 11 mining claims (111 claim units totalling about 1,789 hectares) that covers west central Penhorwood Township.

Table 1 Radio Hill Property Claims

Claim	Units	Due_Date	Date_Recorded	Work_Req	Township
4220731	16	22-Jun-12	22-Jun-06	\$6,400.00	Penhorwood
3019027	4	17-Oct-12	17-Oct-06	\$1,600.00	Penhorwood
4212618	4	17-Oct-12	17-Oct-06	\$1,600.00	Penhorwood
3019028	3	14-Nov-12	14-Nov-06	\$1,200.00	Penhorwood
4223266	14	19-Nov-11	19-Nov-06	\$5,600.00	Penhorwood
4224187	16	19-Nov-11	19-Nov-06	\$6,400.00	Penhorwood
4224188	16	19-Nov-11	19-Nov-06	\$6,400.00	Penhorwood
4224189	16	19-Nov-11	19-Nov-06	\$6,400.00	Penhorwood
4212499	4	14-Dec-11	14-Dec-06	\$1,600.00	Penhorwood
4214719	12	01-Mar-12	01-Mar-06	\$4,800.00	Penhorwood
3010209	6	25-June-12	25-June-04	\$2,400.00	Penhorwood

The property is readily accessed by motor vehicle from Highway 101 West. The north-south trending Kukatush gravel road cuts through the central portion of the property. This road extends from Highway 101 to the Kukatush railroad siding on the CNR main line. A network of ATV and drill trails off the Kukatush gravel road gives further access to the property.

The main east-west rail line of the Canadian National Railway connecting eastern and western Canada transects the southwest corner of the Radio Hill Property, about 3 km south of hole RH10-01.



Figure 1 Location Map

TIMMINS WEST PROJECT GEOLOGY

The project lies within the Superior Province of Archean basement rocks, in the Eastern Canadian Shield. It is situated in the northeastern part of the Swayze Greenstone belt which appears to be the western extension of the Abitibi Greenstone belt.

The project area is predominantly underlain by southwest trending metamorphosed (greenschist) volcanics of the Muskego-Reeves Assemblage ranging from ultramafic to felsic. The mafic volcanics are pillowed to massive andesitic or basaltic flows. They are the dominant rock type on the property. Ultramafic volcanic flow units and/or intrusive sills trending east-west occur in the central portion of the property. They are intermixed with the mafic volcanics.

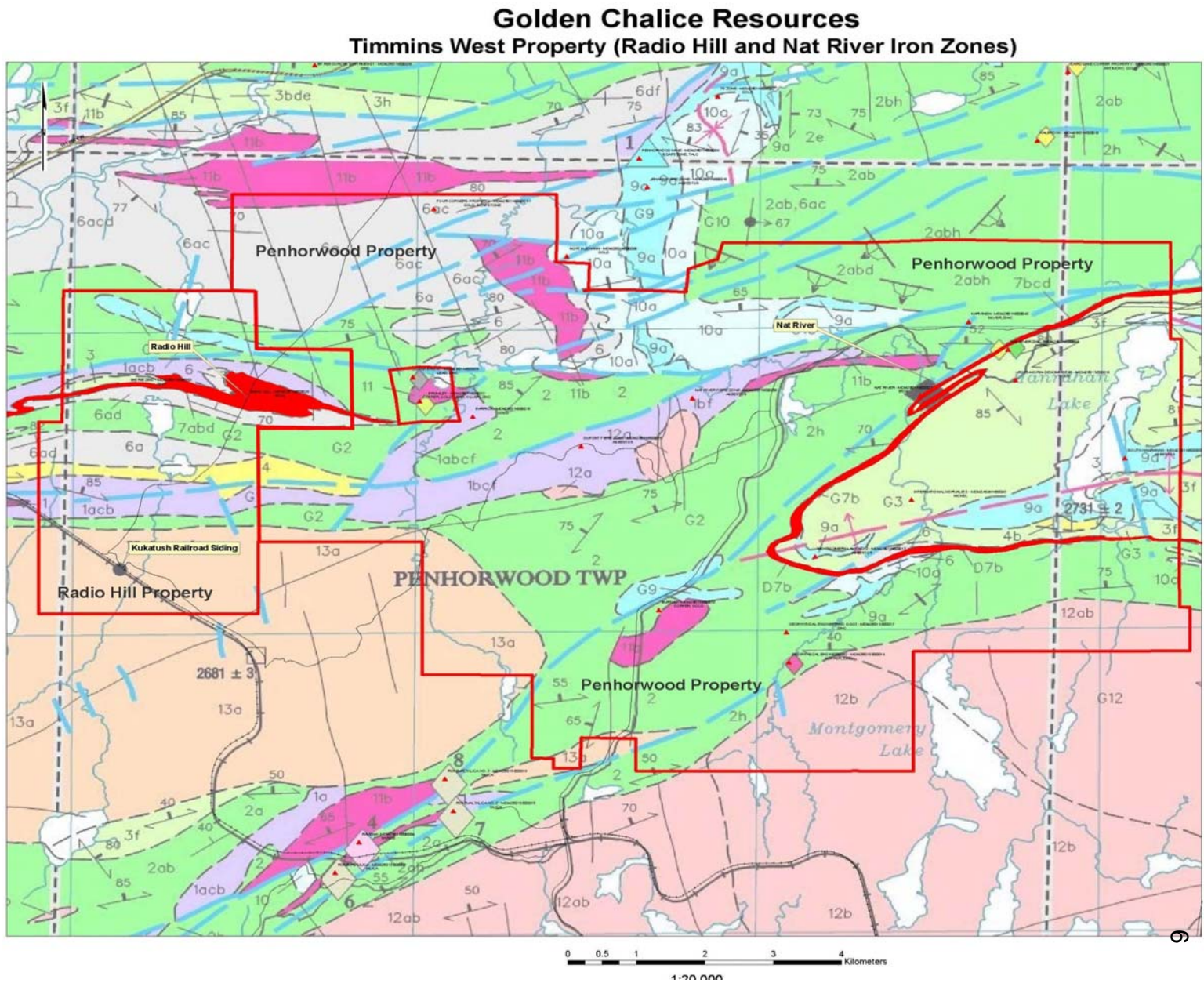
The east central portion of the project area is underlain by felsic volcanics of the Hanrahan Lake Complex that extend west from Kenogaming Township. The felsic volcanics are comprised of tuffs, lapilli tuffs, agglomerates and intermediate to felsic flows. They form the core of a major northwest plunging antiform fold. A fairly continuous iron formation known as the Nat River iron formation marks the boundary between the felsic volcanics and the mafic volcanics.

In the west portion of the project area (Radio Hill Property), metasediments consisting of greywackes and conglomerates occur. South of these metasediments, the geology consists of east-west trending mafic volcanic, ultramafic volcanic, metasediments and felsic volcanic units. In the central part of this east-west sequence is situated the Radio Hill iron formation. The Radio Hill iron formation has a historical resource, non 43-101 compliant, of a minimum of 158 million tons of banded chert-magnetite iron ore with an average grade of approximately 27.8% acid soluble iron outlined by Kukatush Mining Corporation in the 1960's (Hartley, 2008). South of the east-west trending sequence is the Kukatush Stock.

The north centre part of the project area is underlain by north-south trending ultramafic, mafic and felsic porphyry intrusive units that may be part of a layered complex. These intrusive units are interpreted to be sliced up by a series of northeast trending faults. In the southwest, the Kukatush Stock (Biotite hornblende granodiorite) intrudes the volcanics and in the southeast the Kenogamissi Batholith (hornblende and/or biotite bearing granodiorite to tonalite gneiss). Smaller quartz-feldspar and feldspar porphyry intrusive bodies also occur in the project area. All the rock types are intruded by late north to north-northwest trending diabase dykes.

Three major faults cross cut the project, the east-west trending Destor-Porcupine, the east-west trending Jehann Lake Fault and the southwest trending Hardiman Bay Fault (see Figure 2).

Figure 2 Timmins West Project Geology Map



RADIO HILL IRON FORMATION GEOLOGY

The Radio Hill iron formation is hosted in a stratigraphic sequence composed of sedimentary and volcanic rocks that are bound to the south by the Kukatush pluton and to the north by the Nat River igneous complex. The iron formation has a complex geologic history and has been metamorphosed to greenschist facies, folded and faulted, and intruded by mafic dikes.

The Radio Hill iron formation is a banded iron formation composed of beds of chert alternating with beds of magnetite, minnesotaite, iron carbonates (siderite and/or ankerite), or mixtures thereof. The bands or beds vary from a maximum thickness of approximately 10 cm to less than 1 mm.

Two main periods of deformation have folded and faulted the Radio Hill iron formation. The earliest period of deformation is related to regional-scale polyphase folding. The later period of deformation is associated with the development of ductile and brittle-ductile faults (Ayers, 1995). The iron formation is thickened by folding in the vicinity of Radio Hill. The iron formation is folded into an S-fold that plunges moderately (approximately 50°) to the northwest. Additionally, diamond drilling indicates many small mafic dikes (diabase and diorite) crosscut the Radio Hill iron formation.

DISCUSSION OF DIAMOND DRILLING

The diamond drilling program employed one diamond drill rig provided by Orbit-Garant Drilling Inc. of Val d'Or Quebec. A diamond drilling camp was set up on the Property by Rogue Resources and Orbit-Garant Drilling. This was done due to the high travel time from the nearest rental accommodation to the property (1 to 1.5 hours) and thus diamond drilling would be continuous in the hard iron formation. This naturally increased the cost of drilling.

The holes were drilled as part of a NI 43-101 compliant, technical resource estimate on the Radio Hill Iron deposit (Figure 3). The deposit has a historical resource of 427 million tons grading 27.3% iron. The Radio Hill deposit was developed in the 1960s by Kukatush Mining Corp. The drill holes of this report were drilled and logged from August 15 to September 30, 2011. The drilling program is on-going as of October 14, 2011.

It was co-ordinated and supervised by the author. Drill core logging and Field drill supervision was carried out by Karina Sarabia and J-P Paiement geologists employed by SGS Canada Inc. (Geostat Office) of Montreal Quebec. The lack of available geologists in the Timmins area during the fall of 2011 necessitated utilizing SGS Canada. This significantly increased the costs of the diamond drilling program. In addition, their expertise in iron ore exploration was invaluable to Rogue Resources. The field technical

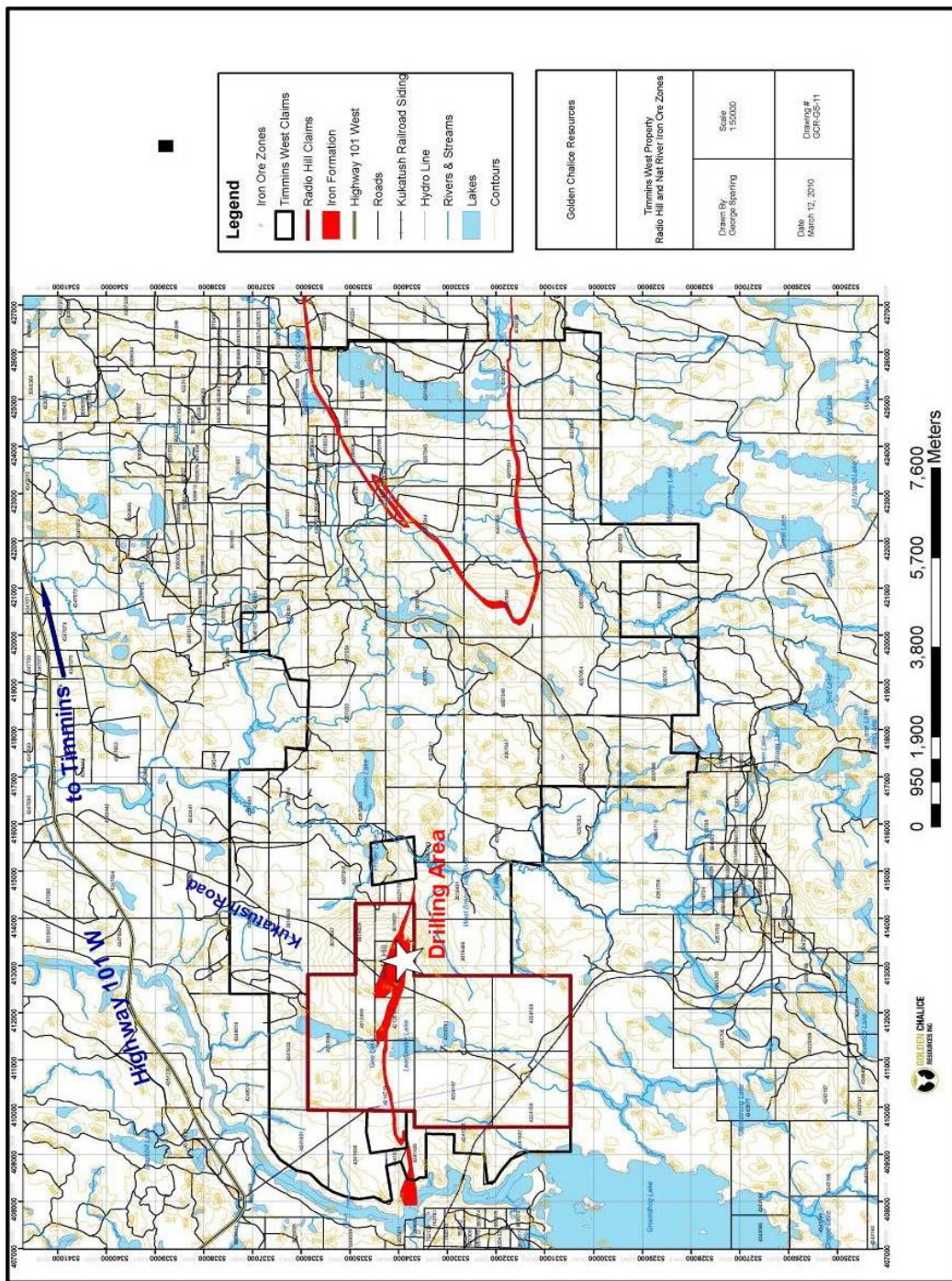


Figure 3 Drill Hole Location Map

tasks associated with the drilling program were conducted by Doug Bryant of Timmins, Ontario. The maps and sections of this report were drafted by the author.

The high magnetic intensity of the Radio Hill iron deposit required that drill holes be set up and aligned with an Azimuth Pointing System (APS) rented from Reflex instruments of Timmins Ontario. The Azimuth Pointing System (APS) is a GPS based compass that provides a True North Azimuth measurement and position. Since the APS is not using the earth's magnetic field to determine the azimuth, it is not affected by ferrous anomalies (metal) from the ground or surrounding structures. The APS uses two antennas to calculate an azimuth solution. Orbit drilling and Doug Bryant aligned the drill rig at an azimuth of 180 degrees (due south) employing the APS instrument.

During drilling downhole surveying was conducted utilizing a Reflex EZ-Shot®, an electronic single shot instrument. It accurately measures six parameters in one single shot; azimuth, inclination, magnetic tool face angle, gravity roll angle, magnetic field strength and temperature. Single shot tests were taken 15 m or so below the casing and every 50 m down the drill hole. As a result of the magnetic environment at the Radio Hill deposit the azimuth readings were discarded.

Table 2 Radio Hill 2011 Diamond Drill Holes (as of September 30, 2011)

HOLE	EASTING NAD83	NORTHING NAD83	Elevation	Length	Azimuth	Dip	CLaim No.
RH11-01	413174.1	5334044.6	439.06	110	180	-45	3010209
RH11-02	413001.18	5333968.52	441.56	120	180	-45	3010209
RH11-03	412876.34	5334129.07	436.69	270	180	-45	3010209
RH11-05	412725.7	5334146.05	435.53	312	180	-45	3010209
RH11-15	411981.53	5334212.97	402.21	195	180	-45	4212618
RH11-16	411838.74	5334274.96	407.91	187	180	-45	4212618
RH11-17	411692.74	5334340.84	413.37	201	180	-45	4212618

A brief summary of the holes drilled is outlined below. Detailed drill logs for the holes are found in Appendix B.

HOLE RH11-01

Location: 413174E/ 5334045N (GPS Nad 83)

Claim: 3010209

Dip: -45 Azimuth: 180

Length: 110 m

Target: Radio Hill Iron Formation.

Summary: The hole intersected the following stratigraphy:

0.0 – 9.0	Overburden
9.0 – 99.0	Iron Formation (intercalating H and G types)
99.0 – 106.2	Chert
106.2 – 110.0	Iron Formation (H type)

HOLE RH11-02

Location: 413001E/ 5333968N (GPS Nad 83)

Claim: 3010209

Dip: -45 Azimuth: 180

Length: 120 m

Target: Radio Hill Iron Formation.

Summary: The hole intersected the following stratigraphy:

0.0 – 4.0	Overburden
4.0 – 78.0	Iron Formation (intercalating F and H types)
78.0 – 93.0	Iron Formation (G type)
93.0 – 99.8	Chert
99.8 – 113.6	Iron Formation (F type)
113.6 – 117.2	Fault Zone
117.2 – 120.0	Iron Formation (G type)

HOLE RH11-03

Location: 412876E/ 5334129N (GPS Nad 83)

Claim: 3010209

Dip: -45 Azimuth: 180

Length: 270 m

Target: Radio Hill Iron Formation.

Summary: The hole intersected the following stratigraphy:

0.0 – 10.0	Overburden
10.0 – 84.6	Iron Formation (intercalating F and G types)
84.6 – 89.65	Intermediate Dyke
89.65 – 115.30	Iron Formation (intercalating F and G types)
115.3 – 120.6	Diabase Dyke
120.6 – 167.75	Iron Formation (F type with minor thin G sub units)
167.75 – 174.5	Chert
174.50 – 180.3	Iron Formation (H type)
180.3 – 193.8	Chert
193.8 – 197.1	Iron Formation (H type)
197.1 – 213.9	Chert

213.9 – 230.4	Iron Formation (F type)
230.4 – 254.5	Iron Formation (H type)
254.5– 270.0	Chert

HOLE RH11-05

Location: 412753E/ 5334146N (GPS Nad 83)

Claim: 3010209

Dip: -45 Azimuth: 180

Length: 120 m

Target: Radio Hill Iron Formation.

Summary: The hole intersected the following stratigraphy:

0.0 – 8.0	Overburden
4.0 – 33.5	Iron Formation (G type)
33.5 – 35.0	Iron Formation (F type)
35.0 –36.0	Intermediate Dyke
36.0 –67.7	Iron Formation (intercalating G and H types)
67.7 – 78.0	Chert
78.0 – 105.0	Iron Formation (G type)
105.0 – 121.8	Iron Formation (intercalating G and H types)
121.8 – 125.8	Iron Formation (F type)
125.8 – 126.4	Fault Zone
126.4 – 187.5	Iron Formation (intercalating G and H types)
187.5 – 192.8	Iron Formation (F type)
192.8 – 276.0	Iron Formation (intercalating G and H types)
276.0 – 279.0	Iron Formation (F type)
279.0 – 283.0	Iron Formation (H type)
283.0 – 303.6	Iron Formation (F type)
303.6 – 305.7	Intermediate Dyke
305.7 – 312.0	Mafic Volcanic

HOLE RH11-15

Location: 411982E/ 5334213N (GPS Nad 83)

Claim: 4212618

Dip: -45 Azimuth: 180

Length: 195 m

Target: Radio Hill Iron Formation.

Summary: The hole intersected the following stratigraphy:

0.0 – 18.0	Overburden
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18.0 – 37.8	Iron Formation (F type)
37.8 – 47.8	Iron Formation (H type with minor G)
47.8 – 52.1	Iron Formation (F type)
52.1 – 68.8	Iron Formation (H type with minor G)
68.8 – 82.1	Iron Formation (F type)
82.1 – 87.7	Iron Formation (G type)
87.7 – 94.7	Iron Formation (H type)
94.7 – 156.2	Iron Formation (F type)
156.2-160.0	Iron Formation (H type)

HOLE RH11-16

Location: 411839E/ 5334275N (GPS Nad 83)

Claim: 4212618

Dip: -45 Azimuth: 180

Length: 187 m

Target: Radio Hill Iron Formation.

Summary: The hole intersected the following stratigraphy:

0.0 – 9.0	Overburden
9.0 – 62.0	Iron Formation (intercalating G and F types)
62.0 – 104.7	Iron Formation (F type)
104.7 – 123.0	Iron Formation (G type)
123.0 – 187.0	Diabase Dyke

HOLE RH11-17

Location: 411693E/ 5334341N (GPS Nad 83)

Claim: 4212618

Dip: -45 Azimuth: 180

Length: 201 m

Target: Radio Hill Iron Formation.

Summary: The hole intersected the following stratigraphy:

0.0 – 6.0	Overburden
6.0 – 27.0	Cherty Iron Formation
27.0 – 32.6	Iron Formation (G type)
32.6 – 41.0	Cherty Iron Formation
41.0 – 113.8	Iron Formation (intercalating G and F types)
113.8 – 130.0	Iron Formation (E type)
130.0 – 175.5	Iron Formation (intercalating G and F types)
175.5 – 201.0	Greywacke

Table 3 Radio Hill Property 2011 Geological Legend

SLC	Lean Chert		Chert beds containing <15% magnetite/hematite. Magnetite may be disseminated and/or in thinly layered beds. Minerals are fine-grained to aphanitic.
IF-G	Sulphide Formation	Iron	Iron formation replacement partly or totally by sulphide minerals. Sulphides comprised of pyrite and/or pyrrhotite in along bedding or forming replacement texture along magnetite bed borders. Might also comprise veins or cross-cutting features.
IF-H	Siderite Iron Formation		Chert comprised of alternating bands of quartz and siderite bands. Siderite is beige to off white in color and softer. Siderite reacts poorly to HCl.
IF-F	Iron Formation		Iron formation containing 15% to 50% magnetite alternating with gray to white chert. Rock is fine-grained to aphanitic.
IF-E	Iron Formation		Iron formation with magnetite >50%. Alternating beds of chert and magnetite of massive magnetite.
SC	Chert		Grayish to white fine-grained to silica rich rock. Massive siliceous beds. Chert might contain certain among of carbonates (Dolomite and/or limestone).

CONCLUSION AND RECOMMENDATIONS

The initial 2011 diamond drill holes (see above) intersected significant lengths of iron formation in the southern portion of the Radio Hill iron deposit. Both F and E type iron formation were cut and it appears these types were the bulk of the historical resource estimation on the Radio Hill iron deposit.

It is recommended that the iron formation intersected in the drill holes be sampled and sent for analysis. SGS Canada Inc. (Geostat Office) has recommended that sampling be done on core length from 3 meters to 6 meters. The analysis should include the following whole rock XRF analysis, Satmagan testing and Davis Tube Recovery testing with concentrate assaying. This assay data set will allow for a more accurate, updated resource estimate, together with a general picture of the geochemistry of the Iron Ore from the Radio Hill iron deposit. The assaying will be reported at a later date as they were not available at the time of this report.

Expenditures for this portion of the diamond drilling program totalled \$ 415,459 (see Appendix A). No costs associated with assaying have been filed.

REFERENCES

Ayer, J.A.

1995 Precambrian geology, northern Swayze greenstone belt; Ontario Geological Survey, Report 297, 57p.

Hartley, C.

2008 Report on Diamond Drilling for Golden Chalice Resources on the Timmins West Project, Porcupine Mining Division, Northeastern Ontario.

Montgomery, K. and Sparling, G.

2008 Report of Geological mapping and mechanical stripping on Golden Chalice Resources, Radio Hill Property, Timmins West Project, Porcupine Mining Division, Northeastern Ontario

Montgomery, K.

2011 Report of drill hole RH10-01, Rogue Resources, Radio Hill Property, Timmins West Project, Porcupine Mining Division, Northeastern Ontario.

CERTIFICATE OF QUALIFICATIONS

I, J. Kevin Montgomery, of the City of Timmins, Province of Ontario, do hereby certify that:

- (1) I am a professional Consulting Geologist, residing at 1190 Lozanne Crescent, Timmins Ontario, P4P 1E8.
- (2) I hold a B.Sc. Honours degree in Geological Sciences (1984) from Queen's University of Kingston, Ontario and a M.Sc.(App.) in Mineral Exploration (1987) from McGill University at Montreal, Quebec.
- (3) I am a registered professional geoscientist with the Association of Professional Geoscientists of Ontario.
- (4) This report is based on my supervision of the diamond drilling program on the Radio Hill Property in 2011.
- (5) I have no personal interest in the property covered by this report.
- (6) Permission is granted for the use of this report, in whole or in part, for assessment and qualification requirements but not for advertising purposes.

Dated at Timmins, Ontario
This 14th day of October, 2011.

J. Kevin Montgomery, P.Geo., M.Sc. (App.)

APPENDIX A CERTIFICATE OF EXPENDITURES

Rogue Resources Inc.
Radio Hill Property
Porcupine Mining Division
Diamond Drilling Program
Expenditures Summary August 15 to September 30, 2011

Geologists	\$ 50,733.20
Senior Field Technician	\$ 19,068.75
Core Drilling	\$ 294,161.13
Travel & Accommodation	\$ 13,063.64
Field Supplies (includes Truck Fuel)	\$ 22,430.55
Report Writing & Drafting of Maps	\$ 2,938.00

TOTAL \$ 402,395.00

Distribution of Expenditures per Claim

Claim 3010209 812 m drilled on claim (58 %)	\$ 233,389
Claim 4212618 583 m drilled on claim (42%)	\$ 169,006

Certified by:

J Kevin Montgomery

Date: October 14, 2011

Note: This certificate has been constructed from the invoices submitted to Rogue Resources.