NORTHERN IRON

2011 Technical Drilling Report on the Griffith Iron Project

NAD 83 LATITUDE 50.8182^0 N, LONGITUDE -93.3661^0 W
UTM ZONE 15 474209m E 5629668m N

Bruce Lake Township
Red Lake Mining Division
NW Ontario

-Owned by-

Northern Iron Corp.

-Prepared by-

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Dates of Work: 11/10/2011 - 30/11/2011
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Table of Contents Page

1.0 List of Tables

2.0 List of Figures

3.0 List of Appendices

4.0 Introduction

This report summarizes, analyzes and makes recommendations based upon previous geophysical and geological work obtained from the Ministry of Northern Development Mines and Forestry, the Resident Geologist office in Red Lake, Ontario, and work performed during the fall of 2011 on the Griffith Iron Project by Northern Iron Corp. The target of interest on the Griffith Property is a Banded Iron Formation of the Algoma type (magnetite-taconite) that has been locally folded by shear zones. It is located within the south-eastern Confederation Lake belt, an area of historic iron exploration and mining in North-western Ontario which lies approximately 30km north of Ear Falls in the Red Lake mining division (see Figure No. 1). Northern Iron Corp. acquired the claims which comprise the Griffith property from Larry Herbert. Northern Iron Corp. currently holds 100% interest in these claims subject to a 1% NSR. There are two independent parties which own surface rights to portions of the land covered by the claims. Parties who own surface rights proximal to where exploration work was performed in 2011 were notified of Northern Iron Corp.'s intention to perform work prior to work commencing.

During the fall of 2011, Northern Iron Corp. conducted a moderate exploration program on the property, consisting of one drillhole 580.19m deep. Core processing included geological and geotechnical logging, density measurements, photographing, sampling, cutting and assaying of drill core.

5.0. Disclaimer

The Authors have assumed that all technical documents reviewed and listed in "References" are accurate and complete in all material aspects. While the authors carefully reviewed this information, they have not conducted an independent investigation to verify their accuracy or completeness. There is no reason to believe the data is incorrect but caution has been taken during its interpretation and is included only when supported by other external sources.

The authors reserve the right, but will not be obligated to, revise this report and conclusions if additional information becomes known subsequent to the date of this report.

For information relating to property agreements and costs we have relied on documents provided to us by Northern Iron Corp. and disclaim responsibility for such information.

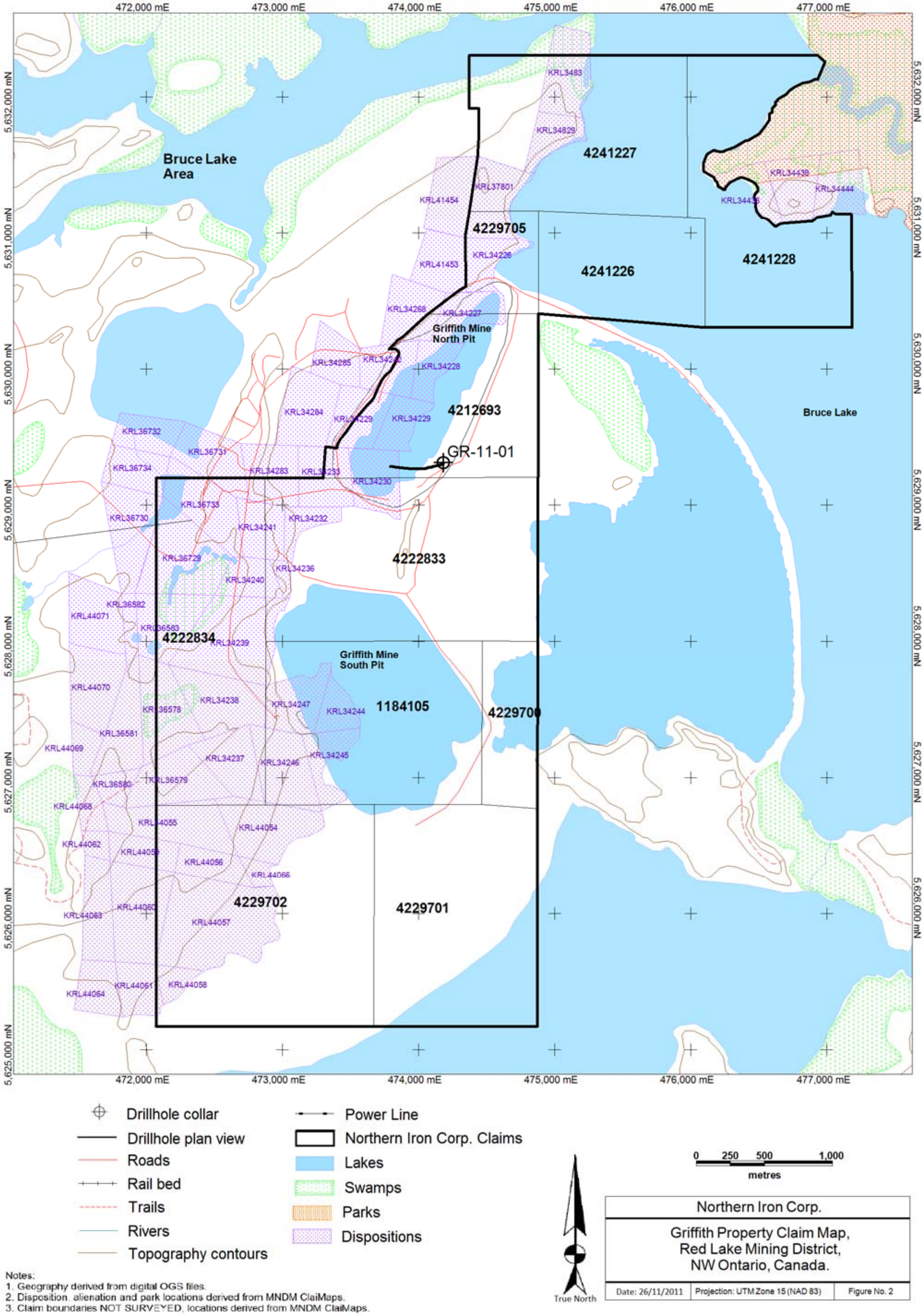
6.0 Property Description and Location

The Griffith property is located in the Red Lake mining division of the Kenora District of northwest Ontario. It is comprised of a contiguous block of claims which occupy the Bruce Lake Area. The property is irregular in shape and centered around the Griffith Mine (see Fig. 2). The property consists of 11 unpatented mineral claims, covering an area of approximately 1776 hectares (see Table.1).

Table 1. Claims belonging to Northern Iron Corp. Comprising the Griffith Property

Property Name	Claim Number	Number of 16 Ha Units	Expiry Date	Work Required	Total Area (Ha)
Griffith	4241228	11	2012-APR-30	$4,400.00	176
Griffith	4241227	12	2012-APR-30	$4,800.00	192
Griffith	4241226	6	2012-APR-30	$2,400.00	96
Griffith	4229705	3	2012-FEB-12	$1,200.00	48
Griffith	4212693	9	2012-FEB-12	$3,600.00	144
Griffith	4222833	15	2012-FEB-03	$6,000.00	240
Griffith	4229700	3	2012-APR-07	$1,200.00	48
Griffith	1184105	12	2012-FEB-19	$4,800.00	192
Griffith	4222834	12	2012-FEB-03	$4,800.00	192
Griffith	4229701	12	2012-APR-07	$4,800.00	192
Griffith	4229702	16	2012-APR-07	$6,400.00	256

Figure No. 1 Griffith Property Location Map, Ontario, Canada


472,000 mE
473,000 mE
474,000 mE
475,000 mE
476,000 mE
477,000 mE
5,632,000 mN
5,631,000 mN
5,630,000 mN
5,629,000 mN
5,628,000 mN
5,627,000 mN
5,626,000 mN
5,625,000 mN
Bruce Lake Area
Bruce Lake
4241227
4229705
4241226
4241228
Griffith Mine North Pit
4212693
GR-11-01
4222833
4222834
Griffith Mine South Pit
1184105
4229700
4229702
4229701
Drillhole collar
Drillhole plan view
Roads
Rail bed
Trails
Rivers
Topography contours
Power Line
Northern Iron Corp. Claims
Lakes
Swamps
Parks
Dispositions
True North
0 250 500 1,000
metres
Northern Iron Corp.
Griffith Property Claim Map, Red Lake Mining District, NW Ontario, Canada.
Date: 26/11/2011
Projection: UTM Zone 15 (NAD 83)
Figure No. 2
Notes:
1. Geography derived from digital OGS files.
2. Disposition, alienation and park locations derived from MNDM ClaiMaps.
3. Claim boundaries NOT SURVEYED, locations derived from MNDM ClaiMaps.

7.0. Accessibility Climate, and Physiography

The Griffith property is easily accessed by the paved Griffith Mine road running east from highway 105 between Ear Falls and Red Lake. To reach the property from Ear Falls, highway 105 is taken north from Ear Falls for approximately 26km, then the Griffith Mine Road is taken going east for approximately 1.5km. An extensive network of well made gravel roads left from the Griffith Mine operations provide excellent access throughout the property. During the fall 2011 exploration program, Northern Iron Corp. field crews stayed at the Trillium Motel, located on highway 105 in the town of Ear Falls, ON, and travelled to the property via truck.

Topography on the property is gentle, with elevations ranging from 340 masl to 370 masl. The main topographic features are the old mine pits, filled with rainwater and surface runoff located in the central part of the claim block. The waste dumps, dikes, and the large Bruce Lake to the east of the claim block are also prominent landmarks within and near the property. The north pit is approximately 1.6 km by 0.8 km in size and the south pit has been flooded well beyond its actual size, with the resulting lake being approximately 1km by 2km in size. The area is covered by a mixed forest of mostly black spruce, poplar, balsam and birch, with swampy biomes in low lying areas and drier forests of jack pine on rises. Temperatures range from highs of 27°C in the summer to lows of -30°C in the winter, with snow cover from November to May. The best season for exploration is from June to October, with optimal months being June and September. Some activities, such as diamond drilling and geophysical ground exploration carried out over swampy areas or lakes may best be undertaken in the winter months, when freeze-up makes these areas more accessible.

8.0 Property History and Previous Work

The following summary outlines the ownership, exploration and production history to the extent known of the area now covered by the Griffith Property. It is based primarily on information obtained from assessment files housed in the office of the Resident Geologist, Red Lake, Ontario, and stored in the Ministry of Northern Development, Mines and Forestry's online database.

8.1 Prior Ownership and Ownership Changes

The claims around the Griffith iron ore deposit were staked by A.C. Mosher and Lorne and Jack Dempster for Calmor Mines Ltd. in 1953. In 1954 Iron Bay Mines was incorporated to take over the property. Stelco optioned the property in 1963.

The 11 claims that now comprise the Griffith were originally staked in the name of Larry Herbert in 2006 and 2008 and were transferred to Northern Iron in August of 2010.

8.2 Previous Exploration

Reference to iron ore outcroppings on the shore of what is now Bruce Lake were first made in 1912 in an Ontario Bureau of Mines report. Further reference to the outcrops was made in a Department of Mines report in 1924. The ore body was delineated firstly by magnetometer and geological surveys, and later diamond drilling programs performed by Iron Bay Mines Ltd. between 1953 and 1960. Drilling by Iron Bay Mines totalled 13,062 feet. Further drilling of 17 holes totalling 10,126 feet was completed by Taconite Lake Iron Co. Ltd. from 1963-1964 and by The Griffith Mine commencing in 1963. In total, 60,000ft of drilling was done. In 1959 Iron Bay Mines Ltd. had pilot plant tests conducted at Michigan College of Mining and Technology, and in Frankfurt, Germany. Bulk samples were sent for testing to the University of Toronto to determine the amenability of ore to autogenous grinding in 1960.

Since the closing of the Griffith mine in 1986, the only known exploration that has been conducted on the claims prior to Northern Iron's acquisition of them in 2010 was a limited trenching program conducted in 2008 by Larry Herbert.

During the fall of 2010 Northern Iron Corp. drilled one exploratory hole on the south-eastern shore of the North Pit. The drill hole GR-10-01 was 429.16m deep, and intersected magnetite mineralization at various grades from 219.80m-429.16m depth. It returned assays ranging from 4.95-38.78% Fe, including 2m of mineralization grading 38.78% Fe from 419.54m to 421.55m depth. The average grade of the mineralized portions of the sampled was 25.26% Fe (Sanabria, R. et al 2010).

8.3 Historical Resources

The historical resources remaining at Griffith are 120 million tons grading 29% Fe (Shklanka, R. 1970).

8.4 Property Production

Owned by Stelco Inc., the Griffith mine was in production from 1968 to 1986. Construction began on the Griffith mine in March of 1966 and was engineered/constructed by Canadian Bechtel Ltd. and had a design capacity of 1.5 million tons per annum of iron hematite pellets. The first shipment of pellets was made in March of 1968 and full annual production of 1.5 million tons per annum was reached in 1970. The mine remained at full production until 1981. Pellet production declined to 60% of full capacity in 1982, 50% in 1983, 63% in 1984, and 50% in 1985. The mine closed down in March of 1986. In total, the mine produced 22,850,000 tons of iron ore pellets grading 66.7% Fe from 78,800,000 tons of crude ore grading 23.9% magnetic iron (29-30% Fe).

Ore from the mine was crushed, grounded and upgraded to a magnetic concentrate grading 69.2% Fe. The concentrate was then thickened, filtered, balled and fired in vertical shaft furnaces to produce the hematite pellets grading 66.7% Fe and 3.6% silica. A direct reduction kiln with the capacity to produce 300,000 tons per year of 93% Fe sponge iron was operated from 1974-1975. The direct reduction kiln used a SL/RN (Stelco Lurgi/Republic National) reduction process with sub-bituminous coal as the reductant.

9.0 Geological Setting

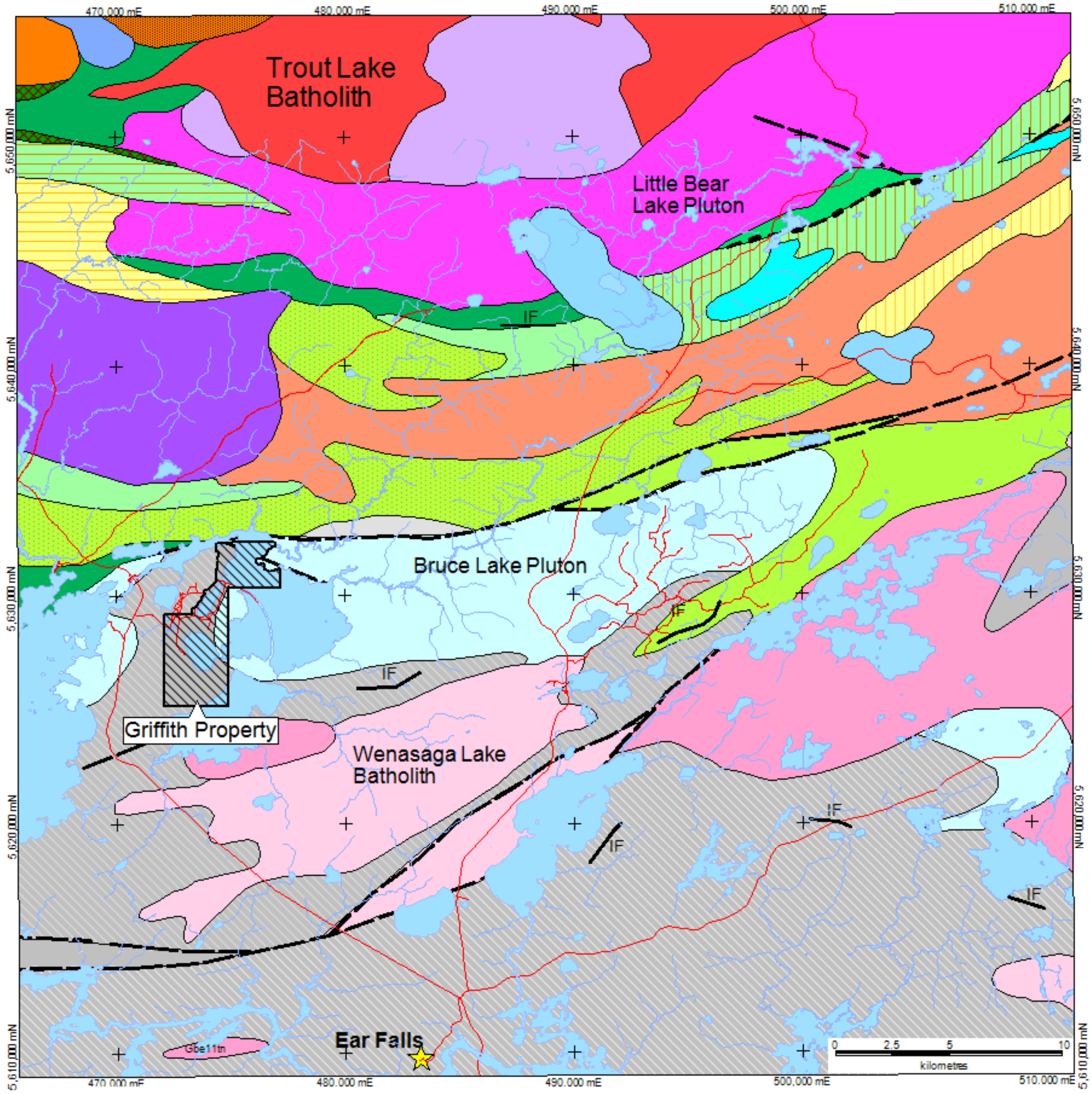
9.1 Regional Geology

The Griffith property lies within the southern part of the Confederation assemblage, the largest, south-eastern unit of the Uchi sub-province (See Figure No. 3). The Confederation assemblage is the youngest of three distinct volcano-sedimentary megacycles comprising the Uchi-Confederation greenstone belt, which records a stratigraphic history of approximately 250 Ma (2989-2735 Ma). The Uchi-Confederation belt records several episodes of periodic rifting and associated submarine and aerial magmatic and depositional phases. Unconformity bounded sequences of mafic to felsic volcanic strata and primarily clastic sedimentary strata accumulated between ca. 2992 Ma and 2700 Ma upon a complex extensional architecture, which largely formed the template upon which later structures were superimposed.

The Confederation assemblage records about 10 Ma (2745-2735 Ma) and consists mainly of supracrustal interbedded pillow basalts, mafic to intermediate volcanics, and associated sediments, with minor interbeds of banded iron formation (BIF). The Confederation belt is thought to have formed as a rifted arc (Rogers, N. et al, 2000) with the aforementioned stratigraphy representing sequences of magmatic and associated depositional phases. The confederation assemblage can be divided into three distinct north to north-east trending tectono-stratigraphic belts, the eastern, central and western belts, which can be distinguished by petrography, chemistry and the distinct felsic (flows and tuffs) units in each one (Rogers, N. et al, 2000). Pluton emplacement and explosive volcanism heralded the onset of the Kenoran Orogeny between ca. 2731 and 2700 Ma and induced regional greenschist facies metamorphism and localized compression-related polyphase deformation (Falls, R. 2002). Three phases of major regional deformation, amphibolite facies metamorphism, and emplacement of extensive granite, granodiorite and tonalite intrusives occurred during the magmatic and tectonic accretion of the Kenoran Orogeny culminating around ca. 2710 Ma. The majority of post tectonic intrusives are comprised of gabbro sills and dykes.

The claims comprising the Griffith property lie within an area that is comprised mainly of metasedimentary migmatites, with interbedded intermediate to mafic volcanic flows and tuffs. The large Bruce Lake pluton intrudes to the east of the property. An Algoma-type iron formation occurs discontinuously along the north-western, western and south-western boundaries of the Bruce Lake pluton and passes through the centre of the property (The Griffith Mine, 1986).

Griffith Iron Project



ARCHEAN (4000-2500 Ma)

- Tonalite to Granodiorite: medium-grained, variably foliated honblende and biotite-horneblende tonalite.
- Conglomerate: Well rounded, polymictic pebble and cobble conglomerate with volcanic and sedimentary clasts.
- Felsic volcanic rocks: dacite to rhyolit, predominantly tuff and lapilli tuff.
- Intermediate volcanic rocks: andesite to dacite, predominantly tuff and lapilli tuff, with lesser flows.
- Mafic volcanic rocks: foliated, massive to pillowed basalt, amphibolite, and associated gabbroic rocks.

NEOARCHEAN (2800 - 2500 Ma) Unsubdivided

- Granite, granodiorite: massive to weakly foliated, lineated, fine to coars grained, with associated pegmatitic rocks.

NEOARCHEAN (2800-2600 Ma)

- Gabbroic rocks: generally undated gabbroic rocks intrusive into the Confederation assemblage.
- Granite, granodiorite: massive to variably foliated biotite granite to granodiorite and associated pegmatitic rocks,
- Tonalite, granodiorite: massive to variably foliated biotite+/- hornblend tonalite to granodiorite,
- Syenite: amphibole syenite, south of SLate Lake, possibly part of the intermediate to mafic sanukitoid suite
- Diorite: diorite-quartz diorite-trondhjamite and associated pegmatite with elevated Mg and Cr
- Tonalite: massive to weakly foliated biotite--tonalite to trondhjemite +/- diorite
- Peraluminous granite to granodiorite: homogeneous diatexite with >95% medium-grained to pegmatitic granitoid mobilizate,
- Metasedimentary migmatite: garnet-biotite-feldspar-quartz gneiss, generally metatexite with 10-70% interbanded granitoid mobilizate
- Fine-grained clastic rocks and siliclastics: bitotie-quartz-plag wacke (<10% granitic mobilizate) and associated ironstone.
- Granodioirite-quartz monzonite: weaklyfoliated, equigranular to porphyritic biotite granodiorite-quartz monzonite.
- Mafic volcanic rocks: pillow basalts and fragmental rocks with minor interbedded intermediate volcanic rocks.
- Intermediate to felsic volcanic rocks: dacite flows with minor tuff, locally perlitic texture; theolitic affinity.
- Felsic volcanic rocks: rhyolitic flows (Keewatin Bay suite) and associated quartz feldspar porphyritic rocks.
- Mafic volcanic rocks: pillowed basalt and pillow breccia of dominantly tholeitic affinity.
- Felsic volcanics: rhyolitic rocks of tholeiitic affinity consisting of rhyolitic flows, lesser crystal tuff and associated gabbro sills.
- Mafic volcanic rocks: plagioclase-phyric, massive to pillowed, calc-alkaline basalt +/- andesite.
- Intermediate volcanics: massive to pyroclastic dacite with some rhyolitic facies and associated epiclastic rocks.
- Tonalite-gandiorite: variably foliated tonalite to granodiorite +/- quartz diorite of the Trout Lake Batholith
- Mafic volcanic rocks: gholitic basalt, commonly variolitic and pillowed, typically aphyric, sparsely vesicular.
- Inferred unconformity
- Iron Formation

Notes:
1. Geology derived from digital OGS files.
2. Geography derived rom digital OGS files.
3. Claim boundaries NOT SURVEYED, locations derived from MNDM ClaiMaps.

Northern Iron Corp.		
Griffith Regional Geology Map Red Lake Mining District NW Ontario, Canada		
Date: 20/9/2010	Projection: UTM Zone 15 (NAD 83)	Figure No. 3

9.2 Property Geology

No Geological mapping was carried out on the Griffith Property during the 2011 exploration program. Geology presented here is based on previous geological work done by the Ontario Geological Survey (Symons, et al.1983) in 1983, and work done by mine geologists during the operation of the Griffith Mine.

The property is underlain mainly by sequences of archean metasedimentary greywackes interlayered with mafic to felsic metavolcanics, and intruded by several granodiorite and tonalite plutons. Most notably the large Bruce Lake Pluton on the east border of the claims, which is predominately granodiorite. The sediments and volcanics have been regionally metamorphosed to the middle greenschist faces. Metamorphic grade increases to the upper amphibolite facies proximal to the Bruce Lake Pluton. The sedimentary rocks host a steeply dipping Archean Algoma-type magnetite oxide facies banded iron formation that has been locally folded in two places, to form deposits of economic value. (Symons, et al.1983).

The iron formation is interbedded with meta-greywackes, and consists mainly of magnetite rich chert, interlayered with rare beds of hematite rich chert, locally magnetite rich biotite schist and, near diorite intrusions, recrystallized magnetite rich chert. Hematite rich layers occur on the eastern edge of the iron formation in the north pit where several granodiorite dykes intrude and were named the Outer Massive in the mine stratigraphy. Contact metamorphism has recrystallized the banded iron formation proximal to the intrusion and increased the metamorphic grade to the amphibolite facies. The Iron formation in the northern pit is complexly folded with multiple minor drag and parasitic folds occurring along the limbs of the major folds. The overall fold impression is that of a double syncline with a central anticline that has been folded along a northeast trending axe. The central anticline plunges approximately 35° to the south and the limbs of the folds dip steeply at 75° to 89°. The southwest limb of the west syncline is overturned (Unknown, 1986)(see Figure No. 4).

The banded iron formation under the south pit is folded into an overturned open syncline with a steeply westward dipping north limb, and an east-southeast limb dipping moderately to the south. Some minor drag folds are evident. Contact metamorphism from the Bruce Lake pluton has recrystallized the iron formation extensively here, increasing the grain size, and also the Fe-grades in comparison with the north pit. A narrow band of iron formation (see Figure No. 4) is continuous between the two pits (Unknown, 1986).

10.0 Drilling and Assay Results

10.1 2010 Drill Program

Drilling of the Griffith North Pit deposit commenced on October 14th 2011 and was completed on November 26th 2011. CoreTech Diamond Drilling Ltd. of Penticton, B.C. carried out the drill program. Drilling was conducted using one KMB.08 Versadrill and on CoreTech 2000 Multipower drill. Both of which were moved and supported with a D-7 bulldozer and a low bed haul truck. Conventional Pick-up trucks were used to transport the drilling crews and geologists to and from the drill site. The program was based out of the Trillium Motel in Ear Falls, Ontario. The drilling was done on two 12 hour shifts per day. Core size was NQ 2.

Existing gravel roads were used for access to the drill pad area. Only minimal levelling with the bulldozer was required for the drill pad. No wooden drill pads were constructed, and the drill was placed directly on levelled ground, further levelled with the use of the bulldozer and some logs. Drillhole collar and downhole surveying was done for each hole. An APS Differential GPS surveying tool accurate to 0.01m was used so survey collar locations (easting, northing and elevation), and hole azimuth at the top of the hole. All surveying was done at the end of the program by Northern Iron Corp's on-site geologist. The 'zero' elevation mark for all downhole measurements was surface.

The drilling site was selected to test the main Griffith ore body located in the North Pit. It was designed to cut the fold limbs perpendicular to strike and the main purpose was to validate the grade and confirm the rough geometry of the ore body outlined from previous work and mine records. The site for the hole (GR-11-01) was on the southeast side of the North Pit, on an old gravel haul road circumnavigating the North Pit (see Figure No. 3).

The drill was positioned on the ground at collar locations and aligned with a flagged foresight previously sighted using an APS D-GPS. Drillhole collar inclination was set using a carpenter's inclinometer. Downhole surveys were conducted using a REFLEX Maxibore II downhole survey tool. Measurements were taken every 10' or 3.048m downhole and all surveys were performed by trained Northern Iron Corp. personnel. Collar azimuth was taken using an APS D-GPS.

After each 12 hour drilling shift the core was mobilized to Ear Falls, Ontario by Northern Iron Corp. or CoreTech Diamond Drilling personnel secured in trucks. The core was geotechnically logged, geologically logged, weighed for density calculations, photographed by Northern Iron Corp's personnel, cut and sampled, and is currently stored and secured in a core shack facility in Ear Falls, rented by Northern Iron Corp. from Ackewance Exploration & Svc Ltd. from Red Lake. The drill collar data is summarized in table 2. After the hole was completed, a thick stake wrapped in flagging tap and marked with the hole identification name was left in the ground at the entry point.

Table 2. Griffith Collar Location

Hole ID	Easting	Northing	Elevation(masl)	Azimuth(°)	Dip(°)	Depth (m)
GR-11-01	474182.5	5629301	341.8	252.5	51.5	580.19

Table 3. Downhole Data Summary of GR-11-01

Depth (m)	Dip (°)	Azimuth (°)	Gravity (G)	Roll Angle (°)	DLS (°/.30m)	Tool Temperature (°C)
0	-51.5	251.9	0.978086	233.1	0	9.5
3.048	-51.2	251.9	0.997974	319.8	3.4	9.5
6.096	-51.3	252.1	0.988642	324.8	2	9.5
9.144	-51.4	252.1	0.997358	326.3	4.2	9.5
12.192	-51.3	252.2	0.997716	327.6	2.6	9.5
18.288	-51.2	253.2	0.996863	337.7	1.3	9.5
21.336	-51.1	254	0.999962	241.1	4.2	8
27.432	-51.1	254.3	0.999945	227.6	16.9	8.5
30.48	-51	254.4	0.999421	228.4	0.8	8.5
33.528	-51	254.5	0.999513	228	0.9	8.5
36.576	-51	254.7	0.999822	227.1	1.4	8.5
39.624	-50.9	255	0.99988	227	1.8	8.5
42.672	-50.9	255.3	1.000495	226.4	1.9	8.5
45.72	-50.8	255.6	0.999737	225.9	2.1	8.5
48.768	-50.8	255.8	0.999261	224.7	1.3	8.5
51.816	-50.8	255.9	0.999852	224.2	1.1	8.5
54.864	-50.8	256	0.989108	224.2	0.7	8.5
57.912	-50.8	256.1	0.999508	222.9	0.7	8.5
60.96	-50.7	256.2	0.999569	222.5	1	8.5
64.008	-50.7	256.3	0.999816	222.1	0.4	8.5
67.056	-50.8	256.3	1.000044	221.5	1	8.5
70.104	-50.8	256.4	1.000825	220.9	0.4	8.5
73.152	-50.8	256.4	0.999164	221.7	0.1	8.5
76.2	-50.8	256.5	1.000167	222.1	0.6	8.5
79.248	-50.7	256.6	0.999652	219.2	0.9	8.5

82.296	-50.7	256.6	1.000313	220.1	1.3	8.5
88.392	-50.7	256.8	0.999896	220.6	23.9	9
94.488	-50.7	257.1	0.999823	222.7	16.2	9
97.536	-50.7	257.2	1.001458	225.2	2.1	9
100.584	-50.7	257.3	0.99933	225	1.9	9
103.632	-50.7	257.5	1.000128	226	1.3	9
109.728	-50.7	257.8	0.999407	228.8	17.5	9
115.824	-50.8	258.3	0.999991	231.4	13.3	9
121.92	-50.8	258.8	1.000545	228.7	7.4	9
128.016	-50.8	259.2	1.000194	228.7	39.8	9
131.064	-50.8	259.3	1.0006	209.9	2.6	10
134.112	-50.7	259.5	1.00015	229.3	28.8	9
137.16	-50.7	259.6	1.000278	211.8	1.1	10
140.208	-50.7	259.8	0.999978	232.1	11.2	9
143.256	-50.7	260	1.000539	215.3	3	10
146.304	-50.5	260.2	1.002546	232.3	55.5	9
149.352	-50.7	260.4	0.999833	236	2	9.5
152.4	-50.7	260.5	1.000278	236.5	1.2	9.5
155.448	-50.7	260.8	1.000249	236.4	1.4	9.5
158.496	-50.7	260.9	0.999552	237.1	1.3	9.5
161.544	-50.7	261.1	0.999895	237	1.1	9.5
164.592	-50.7	261.3	0.999646	237.6	1.1	9.5
167.64	-50.7	261.5	1.000179	239	1.1	9.5
170.688	-50.7	261.6	0.999756	238.7	1.1	9.5
173.736	-50.6	261.8	0.999873	237.2	1.1	9.5
176.784	-50.6	262	0.999377	238.4	1.2	9.5
179.832	-50.6	262.1	1.000047	235.4	1	9.5
182.88	-50.6	262.3	1.000109	226.7	1.1	9.5
185.928	-50.6	262.4	0.999952	237.8	1.6	10
188.976	-50.6	262.6	0.999859	225.7	135	9.5
192.024	-50.6	262.8	0.999889	224	1.4	9.5
195.072	-50.6	263.1	1.007111	223	3.6	9.5
198.12	-50.6	263.2	0.999134	264.4	2.8	10
201.168	-50.6	263.5	0.999355	265.8	2	10
204.216	-50.6	263.7	0.99916	269.1	2	10
207.264	-50.5	263.9	0.999881	230.2	125.6	9.5
210.312	-50.5	264	0.999422	272.9	3	10
213.36	-50.3	264.2	0.999897	232.9	70.8	10
216.408	-50.3	264.5	1.000114	233.7	1.5	10
219.456	-50.2	264.6	1.006965	232.5	2	10
222.504	-50.2	264.8	0.999684	235	3	10
225.552	-50.1	265	0.999976	234.4	1.4	10
228.6	-50.1	265.2	1.000075	234.7	1.2	10
231.648	-50.1	265.3	1.000264	235	0.8	10
234.696	-50.1	265.4	0.998982	287.4	3.7	10.5
237.744	-50	265.6	1.000067	234.5	46.4	10
240.792	-50	265.8	0.99985	234.4	0.9	10
243.84	-49.9	265.9	0.999769	234.6	1.1	10
246.888	-49.9	266.1	1.000324	235.4	1.3	10
249.936	-49.9	266.2	0.998409	294.1	3.7	10.5

252.984	-49.8	266.3	0.999908	236.1	108.1	10
256.032	-49.7	266.5	0.999711	237.9	1.3	10
259.08	-49.6	266.7	0.999883	236.9	1.7	10
262.128	-49.6	266.9	0.998143	303.3	3.9	10.5
265.176	-49.5	267.2	0.999972	240.6	33.5	10
268.224	-49.4	267.5	0.997871	306.8	1.4	10.5
271.272	-49.2	267.6	0.999686	243.5	37	10
274.32	-49.1	267.7	0.999726	243.5	1.6	10.5
277.368	-48.9	267.9	0.99669	244.3	2.3	10.5
280.416	-48.8	268.1	0.999747	244.6	1.8	10.5
283.464	-48.7	268.4	0.999127	245.6	2.1	10.5
286.512	-48.5	268.6	1.000178	245.9	2.5	10.5
289.56	-48.4	268.9	0.993819	246.4	4.4	10.5
292.608	-48.3	269.1	0.999987	245.5	2.6	10.5
295.656	-48.3	269.3	0.999952	245.9	1.5	10.5
298.704	-48.2	269.5	0.999828	245.3	1.4	10.5
301.752	-48.2	269.7	0.999739	246.6	1.3	10.5
304.8	-48.2	269.9	0.997673	338.8	2.9	10.5
307.848	-48.1	270.1	0.999884	246.1	33.6	10.5
310.896	-48	270.2	0.98537	248	8.3	10.5
313.944	-48	270.4	0.999888	248.9	7.7	10.5
316.992	-47.9	270.6	1.018987	251.5	9.9	10.5
320.04	-47.9	270.8	0.99943	253.9	11.5	10.5
323.088	-47.8	271	1.000213	255.8	1.8	10.5
329.184	-47.5	271.4	0.99928	255.8	17.8	11
332.232	-47.4	271.5	0.999983	255.1	1.4	11
335.28	-47.3	271.6	0.999467	254.9	1.7	11
338.328	-47.2	271.8	1.003113	255.4	1.5	11
341.376	-47.1	271.9	0.999844	253.9	2.9	11
344.424	-47.1	272	1.001531	259	0.8	11
347.472	-47	272.2	0.999446	254.6	1.8	11
353.568	-46.9	272.4	0.999849	254.6	13.4	11
356.616	-46.9	272.6	0.999616	252.6	0.8	11
359.664	-46.9	272.7	0.999357	252.4	1.1	11
362.712	-46.9	272.9	0.999653	251.5	1.2	11
365.76	-46.9	273.1	1	251.4	1.4	11
368.808	-46.9	273.2	0.99316	248.6	4.5	11
371.856	-46.9	273.4	0.999986	247.6	3.9	11
377.952	-46.8	273.6	1.000055	244.4	23.2	11
381	-46.8	273.8	1.000056	242.5	1.1	11
384.048	-46.8	273.9	0.999929	240.6	0.8	11
387.096	-46.7	274	0.999593	239.8	0.9	11
390.144	-46.7	274.1	0.999803	236.7	0.8	11.5
399.288	-46.7	274.6	0.998856	291.5	47.8	11.5
402.336	-46.6	274.7	0.998885	288	0.8	11.5
411.48	-46.4	275	0.997927	346.4	37.8	11.5
414.528	-46.2	275	0.99738	342.7	2.2	11.5
420.624	-46.1	275.2	1.003597	331.2	11.9	11.5
423.672	-45.6	275.3	0.997151	327.6	5.6	11.5
426.72	-45.4	275.4	0.997417	325.7	2.3	11.5

429.768	-45.2	275.5	0.997436	321.8	2	11.5
432.816	-45.2	275.5	1.001029	51.9	0.6	11.5
435.864	-44.7	275.7	0.998155	48.2	4.4	11.5
438.912	-44.5	275.8	0.997765	45.2	2.3	11.5
445.008	-44.3	275.9	0.998902	106.9	37.9	12
451.104	-44.1	276.1	0.998295	71.4	13	12
454.152	-43.8	276.2	0.999538	140.2	3.2	12
457.2	-43.6	276.3	0.998492	292.7	2.2	12
460.248	-43.4	276.4	0.99749	359.8	1.7	12
463.296	-43.1	276.4	0.997074	352.2	3.5	12
469.392	-42.4	276.5	1.000339	225.1	48.3	12
472.44	-42.4	276.6	0.997768	352.7	0.9	12
475.488	-42.1	276.6	0.996987	17.3	2.1	12
478.536	-41.9	276.7	0.997099	14.2	2.4	12
481.584	-41.7	276.7	0.997456	9.8	1.7	12
484.632	-41.4	276.7	0.999873	263.5	3.6	12
487.68	-41.1	276.7	1.000183	197.2	2.6	12
490.728	-41	276.8	0.997989	47.8	1.1	12
496.824	-40.5	277	0.998375	90.5	64.8	12
499.872	-40.1	277.1	0.994147	307	7.6	12
502.92	-39.9	277.2	0.998314	301.7	1.9	12
509.016	-39.5	277.2	0.997914	318.2	12	12
512.064	-39.3	277.3	0.997951	314.3	2.1	12
515.112	-38.9	277.3	0.998311	313.1	3.8	12
518.16	-38.3	277.4	0.990218	310.9	6.8	12
521.208	-38.6	277.5	0.994453	89.1	3.1	12
524.256	-38.3	277.7	0.99873	86.1	2.5	12
527.304	-38	277.8	0.998433	84.5	3.3	12
530.352	-37.8	278	0.99835	80.9	3.1	12
533.4	-37.5	278.1	0.998402	78.2	3	12
536.448	-37.2	278.3	0.998046	75.4	2.5	11.5
539.496	-37	278.4	0.998497	292.2	2.8	11.5
542.544	-36.9	278.4	0.997094	5.2	1.2	11.5
545.592	-36.7	278.5	0.996771	20.8	2.4	11
548.64	-36.2	278.6	1.000776	238.1	4.7	11
551.688	-36	278.7	1.000871	234.2	2.1	11
554.736	-35.9	278.8	0.997123	29	1.1	10.5
557.784	-35.6	278.9	1.0008	212.8	3.3	10.5
560.832	-35.5	279	1.000683	205.7	1	10
563.88	-35.4	279.1	1.001185	196.3	1.4	9.5
566.928	-35.1	279.3	No Data	No Data	1.9	No Data

10.2 Drill Core Handling and Logging

Drill core was mobilized and handled with care in secure wooden core boxes which were stacked with secured lids during movement. Geotechnical and Geological logging was done at the core shack in Ear Falls by Northern Iron Corp's personnel, and overall recovery was close to 100%. The core was fit together, oriented continually to itself in the core box, cleaned, photographed, geoteched, logged and sampled, packed and stored in the fully equipped core shack in Ear Falls by Northern Iron Corp's personnel. Drill core was cut at the core shack in Ear Falls by Ackewance personnel.

Core was examined for general lithology, structure, alteration and mineralization. Recovery, RQD, fracture frequency, fracture type, fracture infilling, fracture roughness and rock hardness were recorded in the geotechnical log. Mineral occurrence and percentage, alteration types and intensity, structure orientation and type and rock type were recorded in the geological log. Estimates of magnetite content in iron formation were visually made, and the different components of the iron formation and surrounding lithologies were noted and coded (see appendix III).

10.3 Sampling Method and Preparation

Sampling was constrained to mineralized intervals of banded iron formation containing any amount of magnetite detectable by a pen magnet. Samples were laid out nominally in 3m intervals, but were also delimited by lithic contacts at shorter intervals. Non-mineralized commercial limestone was inserted into the sample stream as blanks at a ratio of approximately 20 true samples to 1 blank sample. Pulverized and homogenized 60% Fe iron pellets from Griffith mine were inserted into the sample stream as standards at a ratio of approximately 40 true samples to 1 standard sample. Sample 31500 was selected for duplication. The duplicate of sample 31500 (31501) was sent to the SGS lab directly following the original in the sample stream (see Table 4.).

Sample intervals were marked on the side of the core pre-cutting using red lumber crayons. Metal embossing tags containing sample number and interval information were stapled into the core trays at the beginning of each sample. The blank, standard and duplicate tags were included and positioned just behind the tag of the preceding sample, or just behind the tag of the sample to be duplicated as was the case.

All of the core samples were cut in half using a diamond saw. One half of the core was returned to the core box and the other half was packaged and labelled as individual samples for transport to Red Lake SGS preparation facility. Blank and standard samples were prepared and given sequential sample numbers and inserted into the sample stream where indicated. Duplicate samples were prepared by cutting one half of the core in half again. One fourth of the total core was used as a regular sample, and given a routine sequential sample number. The other quarter was used as a duplicate sample, separately bagged, and given the next sequential sample number and inserted into the sample stream. As usual the remaining half of the core was returned to the core box.

At the end of sampling, lids were screwed onto all core boxes, and the boxes were piled on wooden pallets in the yard outside the core shack rented by Northern Iron Corp. from Ackewance in Ear Falls. The stacked core was secured with nylon banding and metal buckles. The core is currently stored this way in the yard outside of the core shack in Ear Falls.

All in-lab sample preparation mandated by Northern Iron Corp. was performed by SGS-Red Lake and splits were sent to SGS Lakefield for Iron Ore XRF assays. Each of the drill core samples including the blank, standard and duplicate samples, were cone-crushed dry to 75% passing 2mm, split to 250g and pulverised to 85% passing 75 µm. SGS also performed their own in lab blank and duplicate sampling quality control.

10.4 Sample Assaying

Drill core samples were analyzed for SiO_2, Al2O_3, Fe_2O_3, MgO, CaO, Na_2O, K_2O, TiO_2, P_2O_5, MnO, Cr_2O_3, V_2O_5, Ni and Z using whole rock analysis by XRF, and S using whole rock analysis by CSA. Each sample was weighed in air and weighed when submerged in water (see Table 4. for assays and analyses, and appendix II for analytical certificates).

10.5 Drill Core Assay Results

Table 4. Selected Assay Results from SGS Laboratories

Sample No.	From (m)	To (m)	Interval Length (m)	Sample Type	SiO_2 %	Fe_2O_3 %	Cr_2O_3 %
31456	149.7	150.7	1		64.7	10.8	0.02
31457	155	156	1		57.1	8.93	0.03
31458	240	241.39	1.39		56.7	22.3	< 0.01
31459	243	246	3		54.5	24.4	0.01
31460	246	249	3		49.2	36.8	< 0.01
31461				BLANK	10.8	0.26	< 0.01
31462	249	252	3		49.9	33.6	< 0.01
31463	252	255	3		50.5	31	0.01

31464	255	258	3		47	44.2	< 0.01
31465	258	259.17	1.17		44.6	49.1	< 0.01
31466	264.71	266	1.29		44.3	47.7	< 0.01
31467	266	267	1		39.7	55.2	< 0.01
31468	267	270	3		47.2	41.3	0.02
31469	270	273	3		58.8	18.8	< 0.01
31470	273	275	2		54.1	24.5	< 0.01
31471	292.41	295	2.59		63.4	14.6	0.01
31472	295	298	3		57.6	23.8	< 0.01
31473	298	300.73	2.73		60.3	16.7	< 0.01
31474	328	331	3		55.6	12.9	0.04
31475	331	334	3		43.6	45.9	< 0.01
31476	334	337	3		47.7	42	< 0.01
31477	337	340	3		47.1	47.5	< 0.01
31497	340	343	3		45.7	47	< 0.01
31498	343	346	3		59.7	21.5	< 0.01
31499	346	349	3		68.9	9.98	0.01
31500	349	352	3		56.9	29.2	< 0.01
31501	349	352	3	DUPLICATE 1	54.7	32.3	< 0.01
31502				BLANK	10	0.2	< 0.01
31503	352	355	3		46	49.8	< 0.01
31504	355	358	3		44.9	49.2	< 0.01
31505	358	361	3		43.6	47.2	< 0.01
31506	361	364	3		53.2	27.3	< 0.01
31507	364	367	3		56.4	24.8	< 0.01
31508	367	370	3		54.1	27.3	0.01
31509	370	373	3		66.9	8.56	0.01
31510	373	376	3		49.5	37.1	0.02
31511	376	379	3		52.6	33.8	< 0.01
31512	379	382	3		52.7	33.7	0.01
31513	382	385	3		55.8	22.2	0.01
31514	385	388	3		54.8	28.4	< 0.01
31515	388	391	3		49.7	37.5	< 0.01
31516	391	392	1		49.4	34.9	< 0.01
31517	394.86	397	2.14		46.3	42.5	0.01
31518	397	400	3		45.9	46	< 0.01
31519	400	403	3		46.5	48.4	< 0.01
31520	403	406	3		44.8	48.6	< 0.01
31521				BLANK	10.1	0.17	< 0.01
31522	406	409	3		42.5	53.6	< 0.01
31523	409	412	3		44.8	48	< 0.01
31524	412	413.92	1.92		41.7	53.6	< 0.01
31526	415.33	418	2.67		43.3	51.9	< 0.01
31527	418	421	3		42.9	50.3	< 0.01
31528	421	424	3		45.5	47	< 0.01
31529	424	427	3		49.9	38.6	< 0.01

31530	427	430	3		48.6	43.9	< 0.01
31531	430	432	2		43.5	49.8	< 0.01
31532	432	433.74	1.74		39.5	53.9	< 0.01
31533	435.1	437.58	2.48		42.3	50	< 0.01
31534	438.67	441	2.33		50.7	39	< 0.01
31535	441	444	3		42.4	52.4	< 0.01
31536	444	447	3		43	49.2	< 0.01
31537	447	450	3		43.6	47.1	0.07
31776	450	453	3		43.3	51.2	< 0.01
31777	453	456	3		45.4	48.1	< 0.01
31778	456	459	3		44	48.8	< 0.01
31779	459	462	3		46.9	45.2	< 0.01
31780	462	465	3		45.1	51.1	< 0.01
31781				STANDARD	7.15	91.7	< 0.01
31782	465	468	3		48.1	40.3	0.01
31783	468	471	3		54.6	26.6	0.01
31784	471	474	3		52.2	30.3	0.01
31785	474	477	3		53.2	26.4	0.01
31786	477	480	3		50.6	36	0.01
31787	480	483	3		51	35.7	0.01
31788	483	486	3		50.1	37.8	< 0.01
31789	486	489	3		48.9	42.8	0.01
31808	489	492	3		47.9	45.1	< 0.01
31809	492	495	3		45	50.5	< 0.01
31810	495	498	3		45.9	45.2	< 0.01
31811	498	501	3		47.5	45.4	0.01
31812	501	503.47	2.47		44.3	50.1	< 0.01
31813	504.9	507	2.1		44.2	47.6	< 0.01
31814	507	508.86	1.86		45.5	49.6	< 0.01
31815	512.6	515	2.4		46.4	46.2	< 0.01
31816	515	518	3		45.7	45	< 0.01
31817	518	521	3		48.1	44.7	< 0.01
31818	521	524	3		46.1	41	< 0.01
31819	524	527	3		46.9	41.9	< 0.01
31820	527	530	3		47.2	42.3	< 0.01
31821				BLANK	9.57	0.25	< 0.01
31822	530	533	3		48.9	39.2	< 0.01
31823	533	535	2		52.1	31.4	0.02
31824	535	536.37	1.37		56.3	21.8	0.02
31825	538.43	541	2.57		57.4	19.6	0.02
31826	541	543	2		49.7	38.3	0.01
31831	543	545.36	2.36		52.9	31	< 0.01
31832	545.36	548	2.64		55.3	23.6	0.01
31833	548	551	3		51.1	26.9	0.02
31834	551	552	1		49.2	25.6	0.03
31835	552	555	3		49.5	40.6	< 0.01
31836	555	558	3		52.8	32.1	0.01
31837	558	561	3		51.9	32.6	0.02

31838	561	564	3		52.6	30.9	0.01
31839	564	566	2		49.1	42.9	< 0.01
31840	569.29	572	2.71		54.1	28.1	0.01
31841				STANDARD	7.06	92	< 0.01
31842	572	575	3		51.2	31.1	0.01
31843	575	578	3		51	33	< 0.01
31844	578	580.19	2.19		46.8	44.4	0.01

Blanks are samples composed of commercial marble inserted into the sample stream by Northern Iron Corp. prior to sampling. Standards are samples composed of pulverised, homogenized iron pellets from Griffith Mine inserted into the sample stream. Duplicates are duplicate samples inserted into the sample stream.

Blank samples showed only minor contamination, with a contamination of 0.22% Fe_2O_3. This is deemed acceptable contamination, and the results are therefore considered reasonably accurate. Standard samples showed only minor contamination as well, with a % error discrepancy of 2.25% from expected assay results. This is deemed acceptable error caused by contamination and the results are therefore considered reasonably accurate (see appendix II for the full detailed analysis). The Duplicate 1 sample had a discrepancy error of 5.75% when compared to the original sample. This discrepancy was mainly due to differences in of CaO and Na_2O assay values between the duplicate and original sample. Excess Cr_2O_3 in the blank samples (and in all samples) may be due to the presence of chromium in the steel of the grinding plates used to crush and pulverise the samples. (see appendix II for the full detailed analysis). This is deemed acceptably accurate discrepancy and these assays are therefore deemed reasonably accurate.

11.0. Mineralization

The Archean banded iron formation (BIF) is the only known unit of potential economic value on the property. The North and South Pit deposits are iron formations of the Algoma-type and consist predominantly of magnetite-taconite facies iron formation, with minor iron-bearing silicates and iron-lean sections. Narrow transitional facies of silicate iron formation containing minimal magnetite also occasionally occur.

Drilling supported the rough accuracy of the north pit deposit model acquired from previous work and the existing Griffith Mine documents. Magnetite in various grades was encountered interbedded with amphibolite grade schists from 240.96m depth to the end of the hole at 580.19m depth, which ended still in massive magnetite ore (see Figure No. 5 and Table. 3). This supports the model of the North Pit, with several folded layered banded iron formations of varying grades. The highest grades of Fe intersected were 1m of mineralization grading 55.2% Fe_2O_3 and 1.51m of mineralization grading 53.9% Fe_2O_3 with an average grade of 37.43% Fe_2O_3 of the total 273.12m sampled from the mineralized banded iron formation. These grades are similar to those recorded during the operation of Griffith Mine (unknown, 1986).

The magnetite was slightly recrystallized and coarser grained proximal to the granodiorite batholith. Silica content averaged 49.74% in the mineralized sections sampled. The magnetite-rich beds encountered in drill core, and those exposed on surface at the north end of the North Pit, were typically 0.5 to 20m thick. Interbeds had significantly less magnetite, but were usually comparatively thin, (0.2-0.4m thick). Abundant cherty bands were common in metasediments for a couple of meters above the banded iron formation. Magnetite rich beds bearing 5%-10% specular hematite and hematite rich seams were encountered sporadically from 266.1m to 267.00m depth and 399.51m to 433.71m depth, interspersed with massive magnetite and rare amphibolite grade schist interbeds. These hematite bearing beds were often 0.5m to 1m thick and easily identified by their reddish streak. Hematite seams were often only a few cm thick, though could have increased the grades of Fe reported in intervals they were present in.

12.0. Conclusions and Recommendations

The most significant results from the drillhole were the confirmation of historical Fe grades, that appear to be similar to those reported by the Griffith Mine during the period of operation, as well as the recognition and confirmation of the specular-hematite rich 'outer massive' unit, used as a marker bed by mine geologists. It is strongly recommended that a more extensive drill program be undertaken in order to better define the geometry and distribution of the mineralization within the tightly folded BIF that comprises this deposit.

Appendix I: References

References

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Appendix II: Analytical Certificates

-See folder on disk labeled 'Appendix II Analytical Certificates' for files :

Type of Document: PDF
Document Title: Certificate of Analysis
Document Description: Analytical Certificate from SGS laboratories
Digital File Name: Certificate of Analysis Samples 31456-31525, 31381.pdf

Type of Document: PDF
Document Title: Certificate of Analysis
Document Description: Analytical Certificate from SGS laboratories
Digital File Name: Certificate of Analysis Samples 31526-31535, 31538-31578.pdf

Type of Document: PDF
Document Title: Certificate of Analysis
Document Description: Analytical Certificate from SGS laboratories
Digital File Name: Certificate of Analysis Samples 31750-31805, 31536, 31537.pdf

Type of Document: PDF
Document Title: Certificate of Analysis
Document Description: Analytical Certificate from SGS laboratories
Digital File Name: Certificate of Analysis Samples 31783-31789, 31806-31847.pdf

Appendix III: Drill Log

Abbreviations used in Drill Logs:

Abbreviation	Full Term	Abbreviation	Full Term	Abbreviation	Full Term
avg	average	lt	light	py	pyrite
bd	bedding	mag	magnetite	st	strong
dk	dark	mod	moderate	trc	trace
ep	epidote	mod-wk	moderate/weak	wk	weak
fol	Foliation	mod-st	moderate/strong		

-See folder on disk labeled 'Appendix III Drill Logs' for files :

Type of Document: PDF
Document Title: HOLE NUMBER: GR-11-01
Document Description: Drill hole log for hole GR-11-01
Digital File Name: GR-11-01 geological log.pdf

Appendix IV: Statements of Qualifications

STATEMENT OF QUALIFICATIONS

I, **Raul Sanabria**, *European Geologist* with license *#766* and *Professional Geoscientist* with license #154013 and business address in #3001-438 Seymour Street, Vancouver, British Columbia, V6B 6H4, do hereby certify the following:

I am a geologist retained by Golden Hammer Exploration Ltd., and *Qualified Person* as defined by National Instrument 43-101.

I hold a *Licenciado* in Geology Degree, specialist in Mineral Resources (M. Sc.) by the *Universidad Complutense de Madrid* (Spain) in 2001, and thesis on Fe-(Cu-REE) Skarns in SW Spain.

I am a member in good standing with the *European Federation of Geologists* and the *Association of Professional Engineers and Geoscientists of British Columbia.* I am a full member of the *ICOG* (*Official Spanish Association of Geologists*).

I have been practicing my profession continuously since graduation in 2001 as a mine and exploration geologist, with projects in Spain and Western Africa (Senegal). Since January 2007, I have been engaged in mineral exploration projects in Canada (Yukon Territory and British Columbia) as Senior Project Geologist, Senior Project Manager, Exploration Manager and Vice-President, Exploration, and since 2010 in a varierty of projects within Canada (Yukon, British Columbia and Ontario) and Latin America (Mexico, Guatemala, Colombia, Argentina and Chile).

I am co-author and personally prepared this Assessment Report on the Griffith Property and it is based upon a personal examination of all available company and government reports pertinent to the subject property, as well as I personally conducted and supervised the 2011 exploration programs.

I was personally on site from September to November 2011.

As of the date of the certificate, to the best of my knowledge, information and belief, I am not aware of any material fact or material change with respect to the subject matter of this assessment report that is not reflected in this report, or the omission to disclose, which would make this report misleading.

Raul Sanabria Orellana, *M.Sc., EurGeol., P.Geo.*

PROFESSIONAL PROVINCE OF R. SANABRIA ORELLANA #154013 BRITISH COLUMBIA GEOSCIENTIST

Dated in Vancouver this 1 day of DECEMBER, 2011

STATEMENT OF QUALIFICATIONS

I, **Lindsay Smith**, *Geology Student* at the University of Victoria, do hereby certify the following:

I am a Junior Geologist retained by Northern Iron Corp.

I am a 4th year Geology Student at the University of Victoria, set to graduate in the summer of 2012.

I have been studying geology full time at the University of Victoria from September 2005 to April 2010. Since May 2007, I have been engaged part-time in mineral exploration projects in Canada (Ontario and British Columbia) as a Field Assistant and Student Geologist.

I am co-author and personally prepared this Assessment Report on the Griffith Property and it is based upon a personal examination of all available company and government reports pertinent to the subject property.

I was personally on site from October to November 2011, conducting and overseeing the drilling program, supervised by Raul Sanabria, P.Geo.

I am an insider of the Corporation as a contracted employee, and I have an interest in the property in the form of options of the corporation.

As of the date of the certificate, to the best of my knowledge, information and belief, I am not aware of any material fact or material change with respect to the subject matter of this technical report that is not reflected in this report, or the omission to disclose, which would make this report misleading.

I consent to and authorize the use of the attached report and my name in the Company's prospectus, Statement of Material Facts or other public documents.

Lindsay Sylvia Louise Smith, *Geology Student.*

Dated in Ear Falls, Ontario, this 27 day of January, 2012

Appendix V Figures

-See folder on disk labeled 'Appendix V Figures' for files :

Title: Griffith Property Geology Map
Map Scale: scale bar
Map Year: 2011
Digital File Name: Figure No 4. Griffith Property Geology Map.jpg

Title: Cross Section of DDH-11-01
Map Scale: scale bar
Map Year: 2011
Digital File Name: Figure No 5. Cross Section of DDH-11-01.jpg

Title: Plan View of DDH GR-11-01
Map Scale: scale bar
Map Year: 2011
Digital File Name: Figure No 6. Plan View of DDH GR-11-01.jpg