Drill Report for 2011 Activities on Pacific Iron Ore Corporation's Pearson Project, Port Renfrew B.C.

Victoria Mining Division
NTS Mapsheets: 092C/08, 09, 10, 11, 14, 15,16
Latitude: 48°39' N
Longitude: 124°24' W
UTM: 5389495 N, 396886 E, Zone 10

Owner:
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Feb, 2012

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1.0 Summary

Pacific Iron Ore Corporation (PIOC) has carried out exploration work on southwestern Vancouver Island. The current focus of this work is a southern block of claims referred to as the Pearson Project. This work area is located near Port Renfrew, BC, and ~50 kilometres west-northwest of Victoria, BC (Figure 1).

This report is meant to satisfy the submission of work requirements of event numbers 5028947, 5030527 and 5035647. The claims involved belong to a group of 269 continuous claims currently (Feb 2012) held by PIOC on southwest Vancouver Island. These events pertain to 247 unique claims (some of which have since been amalgamated). These claims have been tabulated in table 1 and shown on Figure 2.

Access to the work area is via the Gordon Main road from either Port Renfrew or Honeymoon Bay. A network of secondary logging roads provides access to the specific work sites.

The work done on the claim group in 2011 consisted of 17 holes totalling 6380 m. As well as a Environmental study conducted by All North Consulting

The Bugaboo Creek deposits can be classified as calcic iron skarns or contact metasomatic iron deposits. Massive magnetite mineralization is generally developed near marble, mafic volcanic and diorite contacts and associated with pyroxene +/- garnet skarn.

The Bugaboo deposit drilling was completed under Permit #MX-8-244 on solely on tenure # 508577 (Figures 3 and 4). An inferred resource of 14.3 million tonnes grading 60 percent recoverable magnetite at a cutoff of 20% magnetite (Triebel, 2011) was reported in 2011. At this time no updated resource estimate has been performed to include the results of the drilling discussed in this report.

2.0 Introduction

The Pearson Property claim group is an extensive block that stretches some 245 km along the southwest parts of Vancouver Island. This report discusses drill work. Concurrent to the drill program baseline environmental study was carried out, details can be found in the attached report from All North consulting. The claim where the work occurred was tenure #508577(Figures 3 and 4). The work was filed as event numbers 5028947, 5030527 and 5035647 all filed on Sept 29th, 2011 and covering the continuous claims listed on table 1. The total expenditures of the 2011 work program were $936,556.00.

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3.0 Property Location and Access

The Pearson Project claim group is situated in the Victoria Mining Division on Vancouver Island, with the southern portion of the claims located some 50 kilometres west-northwest of Victoria, British Columbia (Figure 1). The main service community is presently Port Renfrew, about 80 km west-northwest of Victoria. The claim tenures that are the subject of this report are located entirely on NTS mapsheet 092C and have a rough center of 48.7105 north latitude and 124.5901 west longitude. Access to the southern portion of the claims, where the present work focus is, is either from Victoria, BC via Highway 14 to Port Renfrew and thence by a considerable network of active and non-active logging roads or from Lake Cowichan, BC via the paved Robertson/Hillcrest/Harris creek route (Figure 2).

4.0 History

The larger Pearson Project claim group contains close to 50 mineral occurrences as documented in the British Columbia provincial mineral inventory database, MINFILE, available online at www.em.gov.bc.ca/Mining/Geolsurv/Minfile/default.htm. See Figure 4 for MINFILE locations in the area that is subject of this report.

FIGURE 1: PROJECT LOCATION MAP

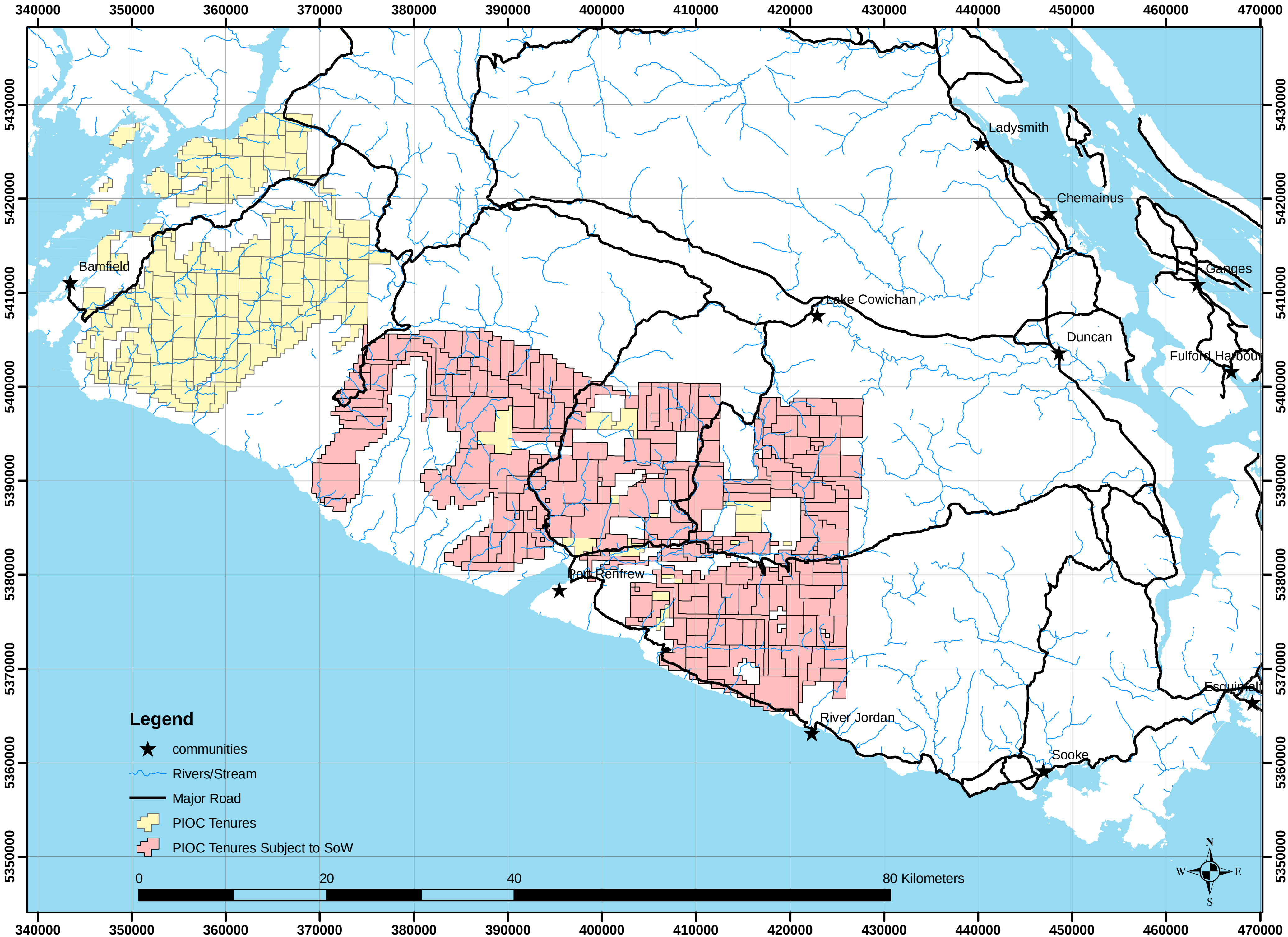
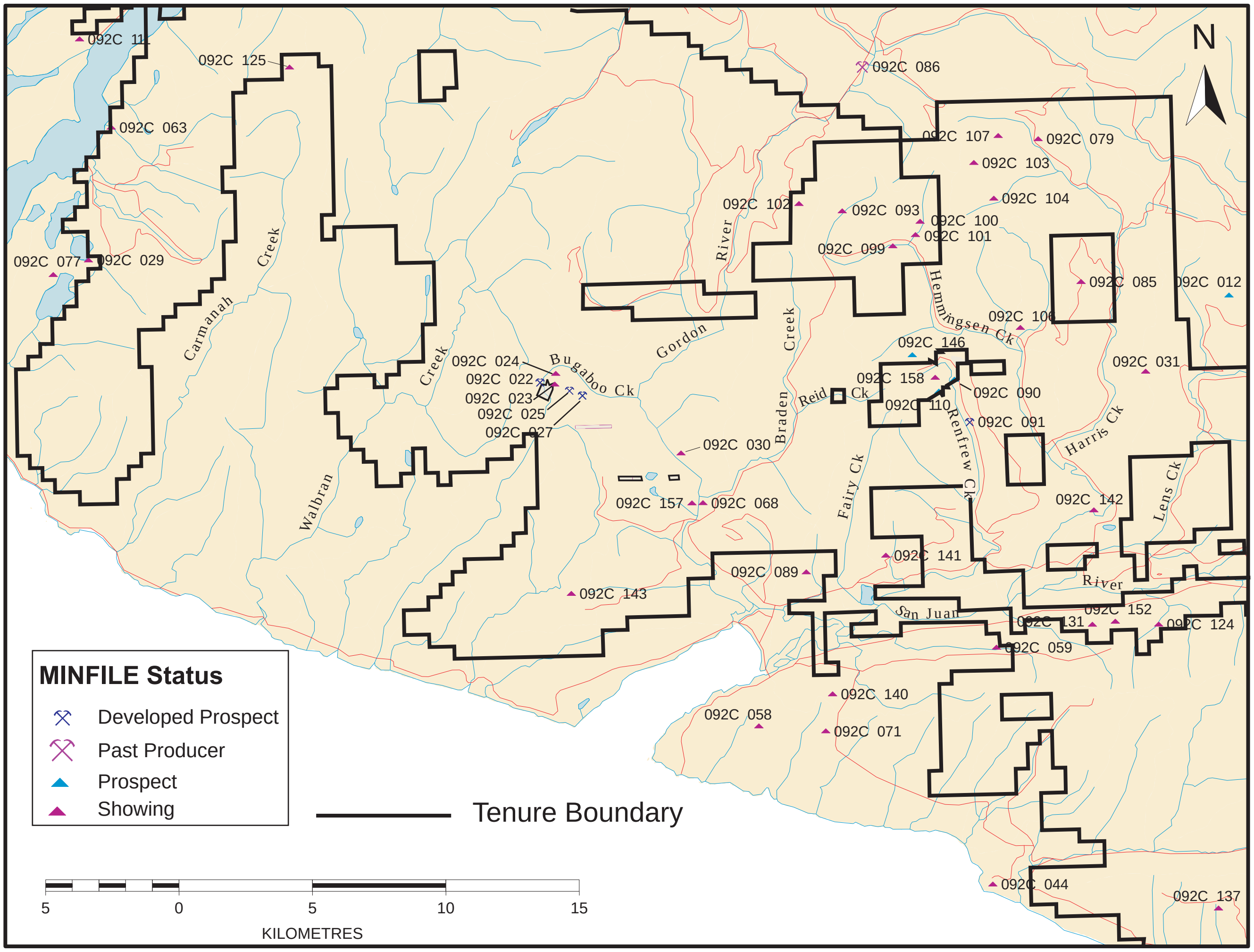


Figure 2: Mineral tenures subject to events 5028947, 5030527 and 5035647

List of mineral tenures subject to events 5028947, 5030527 and 5035647

508407	834814	834877	556877	590634	846182
508425	834815	834878	556878	601433	846388
508466	834816	834879	556881	601434	
508500	834817	834880	556883	641003	
508564	834818	834881	556888	705219	
508577	834819	834882	556890	829343	
512099	834821	834883	556931	831004	
512106	834822	834884	556935	842983	
556794	834823	834885	557009	843086	
556796	834825	834886	557010	843233	
556799	834827	834888	557014	843848	
556801	834829	834889	557019	845702	
556809	834830	834890	557020	845861	
556823	834831	834891	557032	845867	
556830	834832	834906	557033	845873	
556833	834833	834910	557080	845876	
834714	834834	846389	557088	845878	
834741	834835	508326	557092	845881	
834762	834836	508458	557094	846042	
834773	834837	508534	557097	846043	
834779	834840	508539	557099	846046	
834782	834841	508552	557101	846127	
834783	834842	508572	557104	846128	
834785	834843	508577	557105	846131	
834787	834844	508619	557107	846133	
834788	834845	508661	557108	846149	
834789	834846	508715	557110	846168	
834790	834847	508723	557111	846169	
834791	834848	508756	557115	846171	
834792	834849	508770	557117	846178	
834793	834850	515301	557143	846179	
834794	834852	519584	557145	846180	
834795	834853	519585	574340	846182	
834796	834855	519586	574364	846185	
834797	834857	519587	578540	846345	
834798	834860	520492	590619	846385	
834799	834862	520493	590620	846388	
834800	834863	520494	590621	846390	
834801	834865	520501	590622	846391	
834802	834866	556827	590623	846392	
834803	834868	556835	590624	846759	
834804	834869	556838	590625	508326	
834806	834870	556839	590626	508576	
834807	834871	556841	590627	508577	
834808	834872	556843	590628	508578	
834809	834873	556850	590629	508631	
834810	834874	556852	590630	508661	
834812	834875	556870	590631	515296	
834813	834876	556873	590633	515299	

TABLE 1: MINERAL TENURES ON WHICH WORK HAS BEEN APPLIED.



MINFILE OCCURRENCES

092C 012	Red Dog	092C 099	Dore 52
092C 022	Bugaboo	092C 100	Dore 99
092C 023	David	092C 101	Dore 97
092C 024	Elijah	092C 102	TL 5798
092C 025	Sirdar	092C 103	Polly
092C 027	Baden Powell	092C 104	DL
092C 029	Tide	092C 106	Dore 162
092C 030	Rose	092C 107	Harris
092C 031	Tally	092C 110	Reko 38
092C 044	Sombrio Placers	092C 111	Fitinat
092C 058	Kinsley	092C 124	Gad
092C 059	Ox	092C 125	Lori
092C 063	Mal	092C 131	3 x 3
092C 068	Alfreda	092C 137	Ren
092C 071	Spanish	092C 140	Murton
092C 077	Ebb 1-12	092C 141	Ebb
092C 079	Nan	092C 142	Lizard
092C 085	Harris Creek	092C 143	Rat
092C 086	Gordon River	092C 146	Reko North
092C 089	Val	092C 152	New World Slate
092C 090	Reko 3	092C 157	Baird Creek Marble
092C 091	Reko 10	092C 158	Hemm
092C 093	Dore 30		

Figure 3. MINFILE Occurrences.

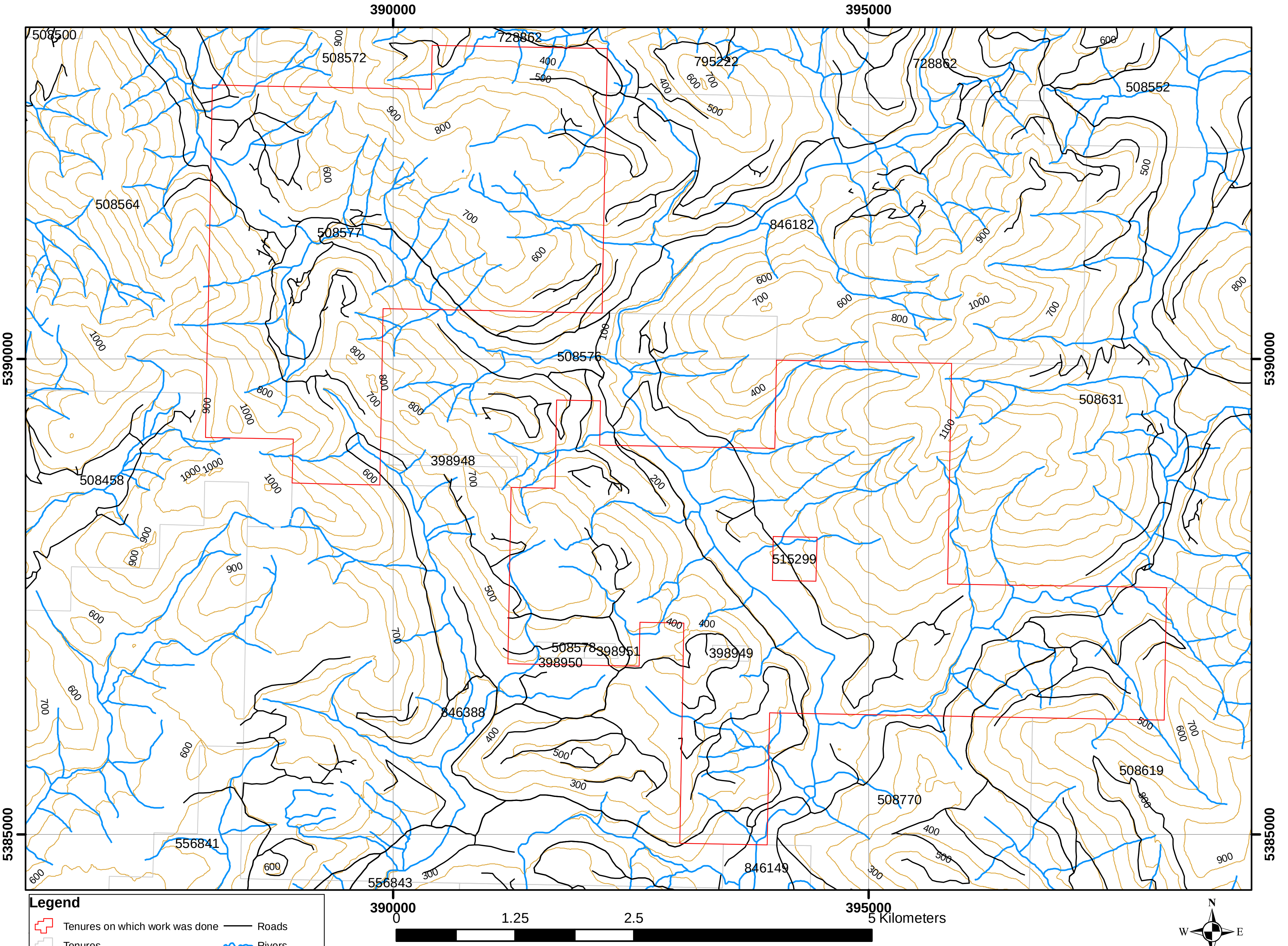


Figure 4: Claims on which work was done

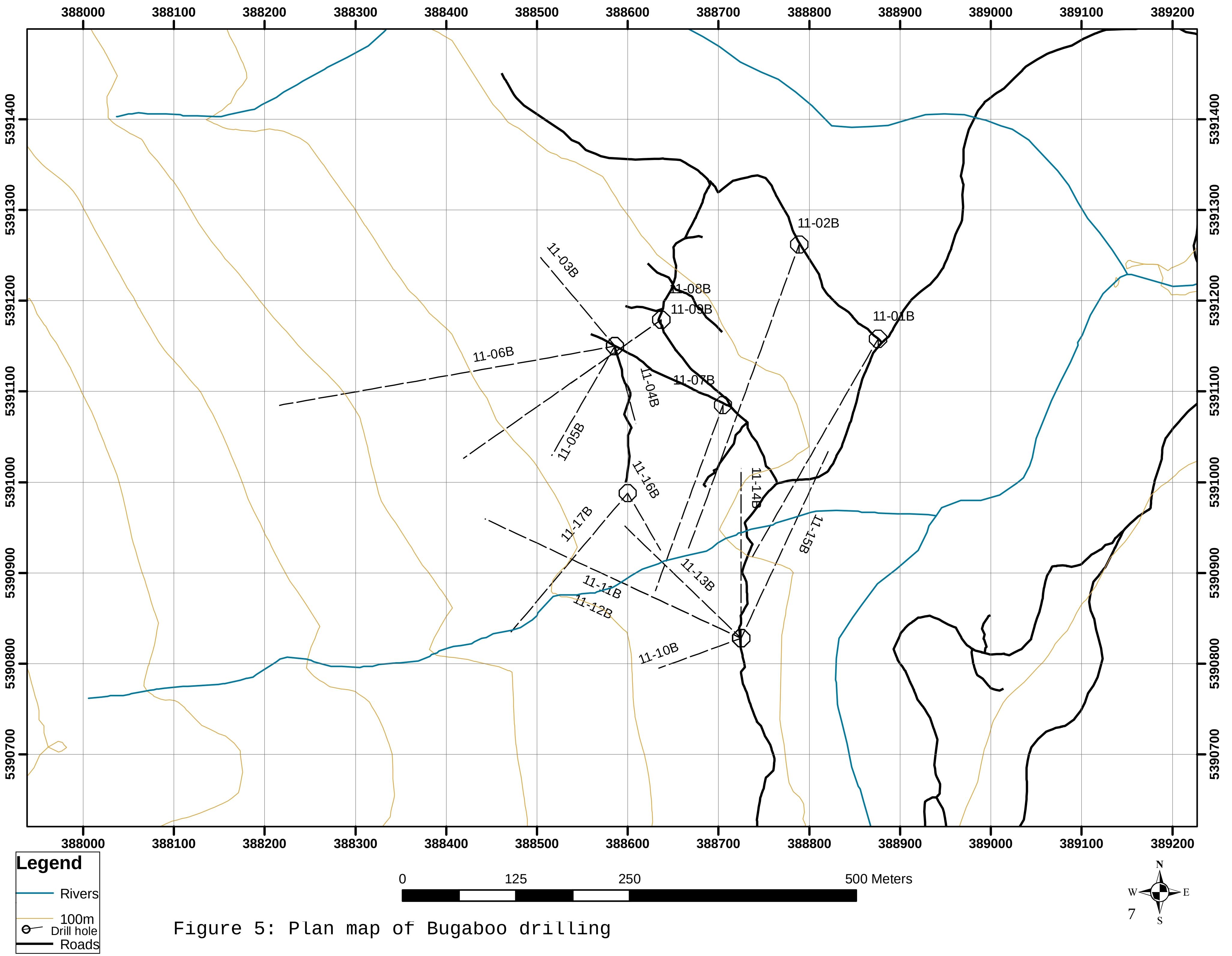


Figure 5: Plan map of Bugaboo drilling

The most significant of these are the Bugaboo iron (magnetite) skarn deposits in the South-western portion of the claim block near the headwaters of Bugaboo Creek, and the Reko iron (magnetite) skarn deposits in the eastern portion of the claim block along Renfrew Creek. Both the Bugaboo and Reko deposits contain non 43-101 compliant historic reserves.

The original two Bugaboo deposits are called Conqueror and Daniel (MINFILE 092C 022); the David (MINFILE 092C 023) and Elijah (MINFILE 092C 024) magnetite showings occur close by. Other magnetite showings in this area, but not covered by the property claims, are the Sirdar (MINFILE 092C 025), Baden Powell (MINFILE 092C 027) and Rose (MINFILE 092C 030). In the eastern portion of the claim block, the main Reko magnetite deposits are the Reko 10 (MINFILE 092C 091) and Reko 3 (MINFILE 092C 090).

The Conqueror showing was originally staked by R. Elliot of Port Renfrew in 1898 but the claims lapsed and four of them were relocated as the Conqueror group in 1899 and Crown granted in 1905. This new group, which also covered the Daniel showing, was owned by Messrs. McGregor, Cathcart and Parsell. The development work, carried out during the period 1900-07, consisted of two opencuts, and a tunnel 4.3 metres long, in solid magnetite, driven from a point 2.4 metres above Bugaboo Creek. No further work was done on the property until 1957 when two x-ray drillholes (both stopped in overburden) totaling 25.6 metres was completed on the Daniel, and nine x-ray drillholes totaling 273.7 metres completed on the Conqueror. In 1959, Noranda Exploration Company, Limited optioned 7 Crown-granted claims and fractions from H.W. Cathcart of Victoria covering the Conqueror and Daniel showings. A 30 metre grid was established and dip needle and magnetometer surveys were completed. Thirteen EX diamond-drillholes totaling 880.6 metres was completed on the Daniel claim and 15 EX drillholes totaling 1118.3 metres on the Conqueror. In 1960, an additional 15 AX drillholes totaling 987.2 metres was completed on the Daniel and 7 AX drillholes totalling 894.6 metres on the Conqueror to confirm the ore reserves and grades indicated by earlier work and to show sufficient additional tonnage to justify a mining operation. Noranda also completed a report on proposed breakwater requirements adjacent to a deep-sea dock for Port of San Juan and a laboratory test on Conqueror mine run ore at the Noranda Concentrator Experimental Laboratory.

Diamond drilling between 1957 and 1960, primarily by Noranda, indicated that the Conqueror orebody had a north-westerly strike and, on the surface, was divided into ‘West’ and ‘East’ pipe-like orebodies. The Conqueror ‘East’ was interpreted to plunge steeply west while Conqueror ‘West’ appeared to dip steeply to the south. In the early 1960s the structure of the Conqueror was likened to a ‘Y’ lying in a north-westerly striking plane dipping roughly 75 degrees south-westerly. Conqueror ‘East’ was then represented by the easterly striking arm, Conqueror ‘West’ by the northerly striking arm, and the neck, 137 metres in depth, indicating the potential point of junction. The stem represented a possible continuation to still greater depths of the unified orebodies. The primary ore control was thought to be a tightly folded syncline of limestone with its axis striking southwesterly and plunging steeply in the same direction. The emplacement of magnetite in the limbs of the syncline would have been controlled by a cross-cutting structure have the attitude of the 'Y' described above (Menzies and Nicolls, 1960). At the time, indicated reserves were 1,069,471 tonnes grading 54.31% iron and 2.21% sulphur. Additional probable reserves of 453,550 tonnes and possible reserves of 8 798,565 tonnes (grades not given) were also estimated. These reserve estimates are assumed to not comply with Sections 1.3 and 1.4 of National Instrument 43-101.

The Daniel magnetite orebody is located about 250 metres northwest of the Conqueror orebody and in the early 1960s was reported to resemble a flattened cylinder with its axis oriented north-northeast and plunging about 20 degrees to the north. The magnetite is similar to that of the Conqueror with pyrite and pyrrhotite occurring in roughly equal proportions but with no conspicuous actinolite. Late pyrite and chalcopyrite veinlets cut the magnetite. Indicated reserves at the Daniel were 1,537,534 tonnes at an average grade of 55.67% iron and 3.61% sulphur; additional probable reserves of 508,883 tonnes (grades not given) are estimated (Menzies and Nicolls, 1960). The reserve estimates are assumed to not comply with Sections 1.3 and 1.4 of National Instrument 43-101. In the eastern portion of the claim block bulldozing and blasting by B.C. Forest Products road-building crews during the summer of 1970 uncovered showings of magnetite and sulphides near the upper reaches of Renfrew Creek (Reko showings). The Reko 1-6 claims were staked on these showings in July 1970 by Mr. M. Levasseur. Sampling of the exposed mineralization was subsequently carried out. Levasseur and associates incorporated Reako Explorations Ltd. in July 1971. Further staking in 1971-72 expanded the property to 66 claims. Exploration work during 1971 included x-ray diamond drilling totalling 37 metres in 6 holes and a limited magnetometer survey. During 1972-73, work included geological mapping, magnetometer surveys over 120 line-kilometres, an electromagnetic survey over 80 line-kilometres, an induced potential survey over 19 line kilometres, trenching, and 5300 metres of diamond drilling in 100 holes on Reko 3, 4, 9, 10 and 42. The adjoining Kestrel 1-15 claims were purchased from M. Dickens of Savona in January 1974. Work during the year included 89 metres of diamond drilling in 6 holes on Reko 37. Drilling in 1972 on the South Pit B zone indicated a magnetite bearing zone 94 metres long, over 30 metres wide and up to 50 metres deep. The average grade indicated by the core assay was 22.28% iron. In 1973-74, R.L. Roscoe estimated 1,111,242 tonnes in five combined zones (Zone 1, 2, 3, 5, 8) without specifying grades. South Pit B zone (or Zone 2) contains 970,597 tonnes. Emerald Fields Resource Corporation has not been able to obtain enough of the original data and has not done the work necessary to verify the classification of a resource or reserve and is not treating the historical estimates as fulfilling the requirements of Sections 1.3 and 1.4 of National Instrument 43-101.

No further work was reported on until Emerald Fields entered an option agreement with Gary Pearson of Port Renfrew on June 14, 2002 and also began staking claims in the area. In May 2003, Discovery Consultants completed geological, geochemical and geophysical surveys on behalf of Emerald Fields and Gary Pearson over parts of the property. Work comprised geological mapping, rock, heavy mineral and stream sediment sampling, petrographic work, and orientation VLF-EM and magnetometer surveys. In April 2004, Emerald Fields completed 7 BQ diamond-drillholes totaling 326 metres in the eastern portion of the claim block, namely on some of the Reko showings. Emerald Fields staked additional claims in November 2004 and early 2005. Between April-May 2005, a diamond drill program of 7 TWNQ drillholes totaling 711.4 metres was completed on parts of the Reko, Conqueror, Daniel and David magnetite. One drillhole on the Daniel deposit intersected massive magnetite over a core length of 21.9 metres grading 57.55% total iron; a drillhole on the Conqueror intersected massive magnetite over a core length of 25.0 metres grading 61.22% total iron.

In June 2006, Fugro was contracted to fly a low altitude, magnetometer survey with their helicopter-borne, stinger mounted single sensor system over the key areas of interest on the Pearson Project claim group. The airborne magnetometer survey was flown between June 12 and 20, 2006; the grid measured 22 by 7 kilometres and consisted of north-south lines at 100 metres spacing and east-west tie lines at 500 metres spacing for a total distance of 1972 line-kilometres. The aeromagnetic data reveals a great deal of structural variety compared to the widespread high level magnetic response visible on a regional scale. A detailed compilation of 19 of the magnetic anomalies found throughout the surveyed area are summarized by Owsiacki (2008).

During the summer of 2006 mapping was conducted on the Pearson Project claim group by Jeff Larocque (as part of M.Sc. thesis) and D. Canil (University of Victoria) in a jointly funded Geoscience BC proposal to delineate the occurrence and origin of ultramafic rocks related to anomalous nickel, chromium, copper and PGE (platinum group elements).

In the fall of 2007, Emerald Fields commenced a program of prospecting, soil and rock sampling and ground magnetometer surveying that continued into the summer of 2008. The results of this work are documented in a government assessment report by Payie and Norris (2008).

In the summer of 2008, Fugro Airborne Surveys Corp was contracted to fly a detailed DIGHEM airborne magnetic survey. The total amount flown over the claim group was 7780 line-kilometers. The purpose of the survey was to locate magnetite-rich zones, to detect zones of conductive mineralization, and to provide information that could be used to map the geology and structure of the survey area. (Assessment Report 30337)

In May 2008, Emerald Fields commenced a drill program that carried on into September of the same year. The main part of the diamond drill program was completed on the Bugaboo magnetite deposits which consist of the adjacent Daniel, Conqueror and David bodies. A total of 7250.02 metres in 51 holes (holes 08-01B to 08-51B) was completed on these three adjacent magnetite bodies. Significant drill intercepts of magnetite were obtained in drill core.

A further 622.24 metres of drilling was completed in the Edinburgh area (holes 08-01E to 08-03E) in order to test magnetic anomalies defined from airborne and follow-up ground magnetic surveys. It was concluded that the magnetic anomalies in the Edinburgh area resulted from a dioritic intrusion containing up to 10% magnetite.

After the 2008 program, Pacific Iron Ore requested that Wardrop Engineering Inc estimate resources that make up the Bugaboo deposit and prepare a technical report on the Pearson Project. This resulted in an estimated inferred resource of 7.8 million tonnes (Mt) averaging 63% magnetite, at a cut off of 20% magnetite The Bugaboo deposits were divided into three distinct bodies; Upper Conqueror, Lower Conqueror and Daniel. (Stubens and Arseneau, 2009).

During the spring/summer of 2009, 1:5000 and 1:1000 scale mapping was undertaken by Pacific Iron Ore over a large area of the company's holdings in an effort to better understand the potential for and controls on mineralization. Previously unrecognized and undocumented ultramafic rocks, recently discovered on the property could be an indicator for the ultramafic-related suite of ore deposits, namely tholeiitic intrusion-hosted nickelcopper that may contain platinum group element mineralization.

Mapping of the Axe creek area which lies on strike along the marble contact that produced the Bugaboo, Baden-Powell and Rose/Thorn showings, discovered several apparently fault controlled sulfide/magnetite veins along with a magnetite showing several meters wide in a marble knob. One of the sulfide veins assayed 1.375% Cu (Sebert et. al, 2009).

In 2009, drilling on the Pearson claims consisted of 8356.85 metres in 37 holes. Of this 4733.70 metres in 16 holes were completed on the Bugaboo deposit to further define and upgrade the resource; 3022.40 metres in 18 holes were drilled on various magnetite skarn targets in the Granite area; and 600.76 metres in 3 holes were drilled on mafic-ultramafic rocks outcropping in the Granite 8000 area in order to test their PGE potential (Norris, Sebert and Payie. 2010).

In 2010, drilling on the Pearson claims consisted of a total of 10876 m drilled over 42 holes. Of this drilling 33 holes totalling 9410 m was conducted on the Bugaboo Creek prospect, with the remainder conducted on an exploratory program on the Axe creek prospect. The results on the Bugaboo were good, with 27 of the 33 holes interceping significant amounts of magnetite and an updated model by Wardrop nearly doubled the inferred resource of 2008 from 7.8 million tonnes (Mt) averaging 63% magnetite, at a cut off of 20% magnetite (Stubens and Arseneau, 2009) to an inferred resource of 14.324 Mt @ 60% magnetite using a cutoff grade of 20% magnetite (Trieble, 2011). The exploratory program on the Axe Creek deposit was not as successful with very limited mineralization encountered.

5.0 Geologic Setting

5.1 Regional Geology

Much of the information in this section has been sourced from Geological Survey of Canada Open File 821(Muller, 1982), Assessment reports 5029, 25877, 27246, 27280, 27517.

The Port Renfrew area and beyond was mapped in 1982 by J.E. Muller of the Geological Survey of Canada. The property lies in the Insular Tectonic Belt where three distinct terranes occur. In the north are Paleozoic to Mesozoic rocks of the Wrangell Terrane consisting of Lower Jurassic Bonanza Group calc-alkaline and volcanic rocks, Middle to Upper Triassic Vancouver Group basaltic volcanic rocks and limestones, Early to Middle Jurassic Island Plutonic Suite quartz monzonitic to granodiorite intrusive rocks, and Paleozoic to Jurassic Westcoast Crystalline Complex dioritic intrusive rocks. Younger sedimentary and volcanic rocks of the Pacific Rim Terrane are thrust beneath the southern and western edges of the Wrangellia rocks along the San Juan and Survey Mountain faults. The San Juan Fault extends from near Port Renfrew to beyond Cobble Hill and for much of its length separates Pacific Rim Terrane from Wrangellia. Pacific Rim Terrane rocks consist of Jurassic to Cretaceous Leech River Complex greenstone, greenschist metamorphic rocks, sedimentary rocks and bimodal volcanic rocks. In the south, just below the property boundary, Crescent Terrane basaltic volcanic rocks belonging to the Paleocene to Eocene Metchosin Igneous Complex are emplaced beside and beneath the Pacific Rim Terrane along the Leech River Fault. Sedimentary rocks of the Upper Eocene to Oligocene Carmanah Group accumulated on the Crescent and Pacific Rim terranes. Numerous north-northwest and east-west faults transect the property.

Previously un-mapped ultramafic rocks have recently been discovered and identified on the property and are variously comprised of peridotite, serpentinized peridotite, gabbro, pyroxenite and hornblendite.

5.2 Property Geology

This section is based on the geological mapping done by PIOC in 2009 (Sebert et. all, 2010).

General Stratigraphy

Supracrustal

Marble and mafic volcanics comprise the main supracrustal sequences in the map area, although minor exposures of chert, metasiltstone and volcaniclastic rocks are to be found locally. West of Harris Creek, marble bands strike NW-SE and behave in a predictable manner for up to 15 km. The limestone unit is regionally metamorphosed to marble throughout the project area, and the mafic volcanics commonly show strong foliations. Given the thickness, overall purity, and lack of bioclastic remnants, the marble is thought to be the Quatsino equivalent. Pending whole-rock geochemical results, mafic volcanics are thought to be Karmutsen equivalents. Along Harris Creek, foliated basalt and pillow basalt is abundant; east of Maid Lake relatively unfoliated basalt flows(?) and pillow breccia are present in large quantities. There is little doubt that these sequences (flows, breccia and pillows) represent the Karmutsen stratigraphy. Insufficient mapping in areas east of Harris Creek, however, make it difficult to determine the overall orientation of the sequence. Thin slivers of marble occur northeast of Lizard Lake and south of Maid Lake, and are similar to the thicker sequences to the west of Harris Creek.

Intrusive

The majority of exposed bedrock in the map area consists of massive and complex polyphase intrusions, ranging in composition from gabbro to granodiorite. Early massive plutons are generally cut by younger dykes of varying compositions, with textures ranging from diabasic to porphyritic. Contacts between intrusion and country rock may be concordant or discordant. In the Gordon River area in particular, intrusive contacts tend to be concordant, with marginal foliations well-developed. Generally the interiors of large intrusions are unfoliated. Terrain and poor exposure limits the ability to properly constrain the extent of most plutons; some contacts have been interpreted based on airborne geophysical data. Pending whole-rock analyses, the majority of intrusions in the map area are interpreted to belong to the Jurassic calc-alkaline Bonanza Group.

General Structure

The mapped area is bounded to the north and south by major structures – the San Juan Fault (SJF) to the south, which separates Wrangellia from the Pacific Rim Terrane, and an unnamed fault which strikes approximately parallel to the SJF, and can be seen in topographic lineations. This unnamed fault also appears to correspond to a distinct change in deformation – marble and strongly foliated volcanics in the mapped area south of the fault, and micritic Quatsino limestone and unfoliated Karmutsen basalt north of the fault. The nature of the fault is unknown, but a south-verging thrust seems most likely. A third conspicuous structure follows the lower Harris and Hemingston Creek valleys, and truncates the Renfrew Creek marble bands. The nature of the fault is uncertain, though foliation measurements dip moderately to the southwest, while the map pattern implies a significant strike-slip component to the fault motion. West of Harris Creek, the map pattern shows two main marble bands, one crossing the Gordon River, and one crossing Renfrew Creek. Within these greater bands there are secondary repetitions of marble as well, as can be seen from the map pattern. The vast majority of bedding and foliation measurements from the Gordon River marble band dip steeply to the southwest. Whether the marble bands there have been fault-repeated, or represent a regional fold-pattern or some combination of the two remains uncertain. In the Renfrew Creek marble band, there is an appreciable subset of north-easterly dipping orientations and the presence of folding with west-northwest oriented axes is likely. Overall, the 2009 mapping efforts on the Pearson property reveal the deformed equivalents of upper Triassic Wrangellian stratigraphy, in keeping with much of the west coast of Vancouver Island.

5.3 Deposit Types

The Bugaboo and Reko deposits can be classified as calcic iron skarns or contact metasomatic iron deposits. Commodities and byproducts related to this type of deposit are magnetite (iron), copper, silver, gold and cobalt. Typically magnetite-dominant mineralization is genetically associated with a skarn gangue. The tectonic settings of calcic iron skarns are intra and non-intraoceanic island arcs and rifted continental margins. The age of mineralization can be of any age, mainly Mesozoic to Cenozoic and are typically Early to mid-Jurassic in British Columbia. Deposit-type classification description is taken from G.E. Ray (1995) in '*Fe Skarns, in Selected British Columbia Mineral Deposit Profiles, Volume 1 - Metallics and Coal, Open File 1995-20' a*nd is reproduced below.

> The host and associated rock types are iron-rich, silica-poor intrusions derived from primitive oceanic crust. Typically, large to small stocks and dikes of gabbro to syenite (mostly gabbro-diorite) intrudes limestone, calcareous clastic sedimentary rocks, tuffs or mafic volcanics at a high to intermediate structural level. The deposit form is variable and includes stratiform orebodies, vertical pipes, fault-controlled sheets, massive lenses or veins, and irregular ore zones along intrusive margins. Igneous textures prevail in endoskarn (skarn formed by replacement of intrusive or other aluminous silicate rock). Coarse to fine grained, massive granoblastic to mineralogically layered textures are evident in exoskarn (skarn formed by replacement of limestone or dolomite). Some hornfelsic textures may also be developed. Magnetite varies from massive to disseminated to veins. Exoskarn alteration is high iron, low manganese, diopside-hedenbergite clinopyroxene and grossular-andradite garnet, ± epidote ± apatite. Late stage amphibole ± chlorite ± ilvaite ± epidote ± scapolite ± albite ± K-feldspar. Endoskarn alteration comprises sodium silicates ± garnet ± pyroxene ± epidote ± scapolite. Principal and subordinate ore mineralogy can comprise magnetite ± chalcopyrite ± pyrite ± cobaltite ± pyrrhotite ± arsenopyrite ± sphalerite ± galena ± molybdenite ± bornite ± hematite ± martite ± gold. Rarely, can contain tellurobismuthite ± fluorite ± scheelite.
>
> Ore controls are stratigraphic and structural: close proximity to contacts between intrusions and carbonate sequences, volcanics or calcareous tuffs and sediments. Fracture zones near igneous contacts can also be important. Some associated deposit types can be copper porphyries, copper and lead-zinc skarns or small lead-zinc veins. In calcic iron skarns, early magnetite is locally intergrown with, or cut by, garnet and magnesian silicates. Some of these skarns contain relatively small pockets of pyrrhotitepyrite mineralization that postdate the magnetite; this mineralization can be gold-rich. Over 90% of the 146 iron skarn occurrences in British Columbia lie within the Wrangell 25

Terrane of the Insular Belt. The majority of these form where Early to mid-Jurassic dioritic plutons intrude Late Triassic limestones. Exploration guides for calcic iron skarns are geochemical signatures exhibiting enrichment in iron, copper, cobalt, gold, nickel, arsenic and chromium. Overall copper and gold grades are low (<0.2% Cu and 0.5 g/t Au). Geophysical signatures are strong positive magnetic, electromagnetic and induced polarization anomalies. Other exploration guides for iron skarn development are magnetite-rich float, and exploration in the Wrangell Terrane near the upper and lower contacts of the Upper Triassic Quatsino Formation limestone (or equivalent units).
Economic factors are grade and tonnage where grades are typically 40% to 50% iron. Worldwide, calcic iron skarns range from 3 to 150 million tonnes. In British Columbia,
they reach 20 million tonnes and average approximately 4 million tonnes mined ore. Nearly 90% of British Columbia's historic iron production was from skarns.

Previously unrecognized and undocumented ultramafic rocks have been recently discovered (McKinley, 2003) on the Pearson property and could be a significant indicator for the ultramafic-related suite of ore deposits, namely tholeiitic intrusion-hosted nickel-copper that may contain platinum group elements (PGE). Gabbro and hornblende gabbro with significant copper, nickel, cobalt, platinum and palladium values were identified on the Ebb showing in the eastern part of the property in the vicinity of Fairy Creek, north of Fairy Lake (Tavela, 1980).

6.0 2011 Drilling

In 2011 PIOC undertook a drilling program to continue upgrade the previous resource of the Bugaboo deposits. (Table 2).

The holes were drilled by Full Force Drilling of Peach Land, BC using a Zinex A5 drill rig. Core size was NQ2" exclusively. The drills maximum effective depth with N size rods is 1,325 m which is sufficient for the drilling depths required on the project.

Core was logged and stored at a facility located in 17161 Parkinson Rd, Port Renfrew, BC. The core was logged by PIOC staff geologists Alexis Eapen BSc. the author and summer student Kyle Karzen. Key observations include: lithology, structure, sulfide determination and alteration. The drill log data was entered into a data base and transcripts of this data have been included in Appendix A.

Samples were split with a tile type saw by Phil Thorgrimson at the Port Renfrew facility with ½ being sent for analysis and the other ½ kept along with rest of the core in Port Renfrew. Sampling QA/QC consisted of duplicate sample at a rate of ~2 per 50 samples. These duplicates were split in ½ and then quartered. The two ¼ samples of the core were then sent as two separate samples.

Analysis of the core was done by ALS Chemex (ALS) in North Vancouver, BC. ALS is an ISO 9001:2008 certified lab. Sample preparation was done in accordance with industry standards. Received samples where weighed, logged into a tracking system with a barcode, dried and crushed to >70% pass a 2mm mesh. Samples where split with a rifle splitter and a split of up to 250g was collected and pulverized until >85% pass 75 µm mesh.

The analytical procedures used on all core were: ME-MS61, a 48 element four acid ICP-MS, for basic sample characterization; ME-OG62 –Fe, -Cu on samples overlimits for Fe and Cu respectively; Au-AA24 for gold determination. Descriptions of these methods can be found in Appendix F.

6.1 Bugaboo Creek

As a continuation of the work completed in 2010 on the Bugaboo creek prospect, PIOC completed a further 17 holes totalling 6380 m in 2011 (Table 3). A plan map of the collar locations and drill hole traces can be found in Figure 5.

6.1.1 Lithology

The rock encountered in the Bugaboo Creek Area can be roughly divided into eight units. They have been interpreted as follows.

Dacite: The freshest unit. May be seen cutting Mafic and Plagioclase porphyry dikes. Acicular needles of hornblende and minor quartz phenocrysts in a dark grey groundmass. Locally amygdaloidal with quartz and calcium carbonate infill. Late calcium carbonate veins cutting unit.

Porphyritic Dikes: Commonly found cutting through carbonate and mafic volcanics as m to 10's of m scale dikes/sills. Unclear as to the origins, probably related to the intrusive rocks, but some may be related to the mafic volcanics. Appearance: Subequant plagioclase phenocrysts in a fine grained mafic groundmass +/- hornblende.

Skarn Zone Rocks: Rocks that have been so altered that no original textural remnants survive. May be garnet and/or pyroxene (diopside) and/or epidote rich Skarn. Protoliths either carbonate rich sediments or mafic volcanic rocks proximal to carbonates.

Ore Zone Rocks: Massive magnetite, magnetite skarn and massive sulphide.

Mafic Intrusive: Course grained and lacking strong alteration. Quartz poor intrusive lithologies have been grouped into this unit: Diorite, Gabbro, Porphyritic Gabbro and altered ultra-mafic rocks. Some of these may represent the West Coast Crystalline complex, and some maybe mafic phases if the Island Plutonic Suite.

Felsic Intrusive: Course grained and quartz rich lithologies: Granodiorite, qtz-diorite, tonalite, Qtz-Monzodiorite, granite and aplitic intrusions. Commonly found with clasts of fine grained mafic material near the intrusive boundaries, and as narrow fingers intruding into the mafic volcanics. Frequently seen with patchy skarn alteration (scapolite and epidote). They are thought to represent the Island Plutonic Suite.

Mafic Volcanics: Volcanic to sub-volcanic fine grained mafic rocks: basalt and mafic dike/sills. Range in occurrence from massive amygdular flows to sub meter scale dikes. They may be altered to greenschist facies with strong chloritization along fractures leading to a crumbly form. They appear occasionally with a recrystallized texture containing micro-plagioclase phenocrysts. Amygdules, where present, are filled with calc-silicate and/or sulfide minerals (pyrite). Whole rock analysis on a few basalt samples showed them to be tholeitic, however some of the results for mafic dike rocks where inconsistent. They are thought to represent Karmutsen basalts, but many of the smaller dikes may be of other origins, i.e. Bonanza group.

Carbonate Rocks: Completely recrystallized white marble equivalent of Quatsino limestone.

6.1.2 Results

All 17 holes intercepted significant amounts of magnetite (Table 3). As this program was targeted mostly the margins of the known mineralization, it is implied that this should lead to a significant increase in the deposit size when a updated resource model is completed.

7.0 Conclusions and Recommendations

Positive results were obtained from all the margins drilled. holes drilled on the north western margins of the Conqueror and Daniel deposits indicate a possible connection in this area, although drill density is not sufficient to determine it existence. An updated geological and resource model is recommended based on these results.

BH	Start Date	End Date	Logged By	North	East	Elevation	Az	Dip	Total Depth
11-01B	05/04/2011	10/04/2011	Alexis Eapen	5391158	388876	457	210	-55	484.63
11-02B	10/04/2011	17/04/2011	Alexis Eapen	5391262	388789	462	200	-50	554.74
11-03B	17/04/2011	19/04/2011	Alexis Eapen	5391150	388586	501	320	-60	256.03
11-04B	19/04/2011	20/04/2011	Alexis Eapen	5391150	388586	501	165	-60	176.78
11-05B	20/04/2011	22/04/2011	Alexis Eapen	5391150	388586	501	210	-55	243.84
11-06B	22/04/2011	02/05/2011	Alexis Eapen	5391150	388586	501	260	-55	655.32
11-07B	02/05/2011	06/05/2011	Alexis Eapen	5391085	388705	488	200	-60	435.86
11-08B	06/05/2011	10/05/2011	Alexis Eapen and Tim Norris	5391179	388637	478	235	-45	376.94
11-09B	10/05/2011	12/05/2011	Alexis Eapen and Kyle Karlzen	5391179	388637	478	235	-60	246.88
11-10B	12/05/2011	14/05/2011	Alexis Eapen and Kyle Karlzen	5390828	388725	480	250	-70	283.46
11-11B	14/05/2011	17/05/2011	Alexis Eapen and Kyle Karlzen	5390828	388725	480	295	-65	361.49
11-12B	17/05/2011	23/05/2011	Alexis Eapen and Kyle Karlzen	5390828	388725	480	295	-50	484.63
11-13B	23/05/2011	26/05/2011	Alexis Eapen and Kyle Karlzen	5390828	388725	480	314	-60	356.62
11-14B	26/05/2011	29/05/2011	Alexis Eapen and Kyle Karlzen	5390828	388725	480	360	-50	291.08
11-15B	29/05/2011	01/06/2011	Alexis Eapen and Kyle Karlzen	5390828	388725	480	25	-50	353.57
11-16B	01/06/2011	06/06/2011	Alexis Eapen and Kyle Karlzen	5390988	388600	530	150	-80	420.62
11-17B	06/06/2011	10/06/2011	Alexis Eapen and Kyle Karlzen	5390988	388600	530	220	-60	399.9

Table 2: Drill hole collar data

BH	Depth of First Occurance	Depth of Last Occurance	Average Fe %	Average Cu ppm	Average S %	Total Core Length
11-01B	349.22	351.44	41.31	213.86	4.26	1.13
11-02B	271	472.83	39.06	311.11	2.66	1.12
11-03B	89.06	93.36	21.14	209.54	1.10	2.89
11-04B	38.65	125.55	55.47	792.69	3.70	65.55
11-05B	57.55	235.67	54.82	617.42	2.46	32.21
11-06B	195.68	246.06	53.27	528.16	2.75	17.4
11-07B	22.74	23.61	55.30	192.50	1.37	0.87
11-08B	21.56	322	54.21	1162.65	4.13	92.13
11-09B	18.25	119.24	52.19	1823.12	5.90	28.69
11-10B	178	190.83	51.85	387.12	1.86	9.15
11-11B	181.32	301.96	56.45	700.98	2.77	45.55
11-12B	233.13	298.48	46.08	464.47	2.28	34.22
11-13B	166.98	194.69	43.63	628.43	0.87	15.3
11-14B	138	210.42	60.29	471.74	1.72	14.29
11-15B	116.3	235.16	54.95	515.61	1.81	28.05
11-16B	220.93	369.33	61.86	596.45	2.35	16.15
11-17B	24.64	356.48	47.53	1637.73	3.47	7.16

Table 3: Cumulative averages of magnetite intersections in Bugaboo drill holes

Many major intersection were achieved on the Daniel deposit on the north western lobe, these should be pursued with further drilling.

8.0 Statement of Costs

Pacific Iron Ore Corporation
B.C. Drilling Cost Statement for 2011

	Description	Costs	Total Costs
Field Personel			
Tim Norris	$350 per day * 49 days	$17,150.00	
Alexis Eapan	$300 per day * 36 days	$10,800.00	
Kyle Karlzen	$200 per day * 101 days	$20,200.00	
			$48,150.00
Consultant			
Graden Geoscience	$600 per day * approx 6 days	$3,965.00	
			$3,965.00
Food & Accomodation			
	Meals (approx. $85 per day*577 man days)	$49,062.00	
	Accomodations (approx. $140 per day * 407 man days)	$57,000.00	
			$106,062.00
Mobilization/Demobilization			
Equipment and Supplies			
Lower Island - excavator rental		$25,008.00	
B&D Lift Truck		$4,000.00	
568591 BC - Fuel			$28,485.00
Travel - Fuel			$0.00
			$57,493.00
Laboratory Analysis			
ALS Chemex	sample type: drill core		$51,283.00
Contract Jobs - unit costs	drilling		$492,729.00
Project Assistance	Wardrop		$33,288.00
Environmental Study	Caro	$17,764.00	
	AllNorth	$77,672.00	
			$95,436.00
Total Costs			$936,556.00

*Consultant Graeme Evans P. Geo (Graden Geoscience) provided technical support, training and insight to the geological staff at PIOC.

Wardrop engineering provided assistance with drill targeting and 3d modeling during the drilling program

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I, Timothy Norris, am a geologist employed by Pacific Iron Ore Corporation residing in the town of Chemainus, British Columbia and do hereby certify that:

1. I graduated in 2008 with a Bachelor of Science degree in Earth and Ocean Sciences from the University of British Columbia, Vancouver, British Columbia.

2. I have worked as a Geologist in British Columbia since my graduation in May 2008.

3. I had oversight over significant parts of the drill program described herein.

4. This report is also based upon an examination of all available company and government reports pertinent to the subject property.

Dated this 16th day of Feb 2011.

Timothy Norris

Appendix A

Drill Logs

Bore Hole	11-16B			North 5390988			Start	06/01/2011	az	150				Elev	530					
Logged By	Alexis Eapen and Kyle Karl			East 388600			End 06/06/2011		dip	-80				TD	420.62					
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
0	8.49			Casing	made up of plag porphyry and qtz-biot-diorite boulders															
8.49	31.28			qtz-biotite-diorite	coarse-grained; moderately shattered core	8.49	21.69	SILI 2 EPID 2SKRN 1												
						21.69	31.28	SKRN 2 SILI 3												
31.28	39.36			Plagioclase porphyry	sub-equant plag phenos	31.28	39.36	EPID 2 CLOR 2												
39.36	43.95			qtz-biotite-diorite	coarse-grained; moderately shattered core	39.36	43.95	SKRN 2 SILI 3EPID 2												
43.95	47.9	15	Undulating	Mafic Dike	fine-grained; weakly magnetic	43.95	47.9	SKRN 3 SKRN 2CLOR 2												
47.9	48.74			qtz-biotite-diorite	highly altered; mostly garnet, some epidote	47.9	48.74	SKRN 4								47.9	48.74	G0792625	skarned qtz-	11.2
48.74	53.55			Mafic Dike	fine-grained	48.74	53.55	SKRN 1 EPID 1CLOR 2												
53.55	56.84	25	Sharp	Epidote-Skarn	mostly epidote, some scapolite; qtz-biot-diorite protolith	53.55	54.24	SKRN 5 EPID 5								53.55	55	G0792626	epidote skar	9.37
						54.24	54.3	EPID 2 CLOR 2												
						54.3	56.84	SKRN 5 EPID 5												
56.84	59.21			qtz-biotite-diorite	coarse-grained	56.84	59.21	SKRN 2 SILI 3												
59.21	61.59			Mafic Dike	fine-grained; plag-phyric; minor qtz-biot-diorite fingers	59.21	61.59	EPID 2 CLOR 2												
61.59	61.79		irregular	qtz-biotite-diorite	coarse-grained	61.59	61.79	EPID 2 SILI 2												
61.79	62.12			Mafic Dike	fine-grainied	61.79	62.12	EPID 1 CLOR 2												
62.12	66.22			qtz-biotite-diorite	coarse-grained	62.12	65.27	SKRN 3 SILI 3												
						65.27	65.42	EPID 1 CLOR 2												
						65.42	66.22	SKRN 3 SILI 3												
66.22	68.75			Mafic Dike	fine-grained; moderately shattered core; minor qtz-biot-diorite fingers throughout	66.22	67.31	EPID 2 CLOR 1												
						67.31	67.44	CLOR 1												
						67.44	68.75	EPID 2 CLOR 1												
68.75	70.67			Mafic Dike	fine-grained; plag-phyric; shattered core	68.75	70.67	CLOR 2 EPID 1												
70.67	71.5			qtz-biotite-diorite	highly silicified	70.67	71.5	SILI 4 EPID 2												
71.5	73.33			Mafic Dike	fine-grained; shattered core	71.5	73.33	CLOR 1 EPID 2												
73.33	76.15		irregular	qtz-biotite-diorite	coarse-grained	73.33	76.15	SILI 4 SKRN 2EPID 2								73.33	75	G0792627	silicified qtz-	2.99
76.15	93			Plagioclase porphyry	sub-equant plag phenos; minor qtz-biot-diorite fingers closer to bottom contact	76.15	93	CLOR 2 HEMT 1SKRN 2												

Bore Hole	11-16B		North 5390988			Start		06/01/2011	az	150				Elev	530					
Logged By	Alexis Eapen and Kyle Karl		East 388600			End 06/06/2011			dip	-80				TD	420.62					
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
93	103.54	45	Sharp	qtz-biotite-diorite	coarse-grained; minor mafic segregations throughout	93	103.54	SILI 2 EPID 2SKRN 2												
103.54	105.75		irregular	Mafic Dike	highly altered; plag-phyric; moderately shattered core	103.54	105.75	EPID 2 CLOR 3SKRN 3												
105.75	114.84	30	irregular	qtz-biotite-diorite	coarse-grained; minor mafic dike fingers throughout	105.75	114.84	SILI 3 SKRN 2												
114.84	115.35			Mafic Dike	fine-grained	114.84	115.35	CLOR 1												
115.35	116.63	30	Undulating	qtz-biotite-diorite	coarse-grained; very skarn altered	115.35	116.63	SKRN 4												
116.63	117.37			Mafic Dike	fine-grained; moderately shattered core	116.63	117.37	EPID 1 CLOR 1												
117.37	120.86			qtz-biotite-diorite	coarse-grained	117.37	120.86	SILI 3 SKRN 3												
120.86	121.39			Mafic Dike	fine-grained; shattered core	120.86	121.39	CLOR 2 EPID 2SKRN 2												
121.39	130.95			qtz-biotite-diorite	coarse-grained; moderately shattered core	121.39	130.95	SKRN 3 SILI 3												
130.95	134.84			gabbro	biotite-gabbro; more like biotite-diorite in some areas; med-grained	130.95	134.84	EPID 2 CLOR 2												
134.84	139.26			qtz-biotite-diorite	coarse-grained; minor mafic dike clasts; some mafic segregations present	134.84	139.26	SILI 2 SKRN 1EPID 2												
139.26	140.88	45	Sharp	Mafic Dike	fine-grained; plag-phyric; minor qtz-biot-diorite fingers	139.26	140.88	CLOR 2 EPID 1												
140.88	167.57			qtz-biotite-diorite	coarse-grained; minor mafic segregations throughout	140.88	145.4	SILI 3 SKRN 2EPID 2												
						145.4	145.52	EPID 1 CLOR 1												
						145.52	165	SILI 3 SKRN 2EPID 2												
						165	167.57	SKRN 3 SILI 3EPID 2												
167.57	167.87	65	Sharp	Mafic Dike	fine-grained	167.57	167.87	CLOR 1												
167.87	170.6	35	Sharp	qtz-biotite-diorite	med- to coarse-grained; some areas more dioritic in composition	167.87	170.6	SKRN 3 SILI 2EPID 2												
170.6	172.16			Mafic Dike	plag-phyric; looks a little bleached	170.6	172.16	EPID 2 CLOR 2												
172.16	174.35		irregular	qtz-biotite-diorite	coarse-grained	172.16	174.35	SKRN 3 SILI 2												
174.35	175.88			Mafic Dike	fine-grained; moderately shattered core	174.35	175.88	CLOR 2 EPID 2												
175.88	177.03			qtz-biotite-diorite	very silicified	175.88	177.03	SILI 4 SKRN 3												
177.03	180.09			Mafic Dike	or basalt? Amygdules present	177.03	177.68	CLOR 3 EPID 2												
						177.68	180.09	CLOR 2 EPID 2												

Bore Hole	11-16B	North 5390988	Start 06/01/2011	az 150	Elev 530
Logged By	Alexis Eapen and Kyle Karl	East 388600	End 06/06/2011	dip -80	TD 420.62

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
180.09	183.11			qtz-biotite-diorite	coarse-grained	180.09	183.11	SILI 3 SKRN 2												
183.11	185.73			Mafic Dike	fine-grained; moderately shattered core	183.11	185.73	EPID 3 CLOR 2												
185.73	187.79		irregular	Plagioclase porphyry	glomeroporphyritic; sub-equant plag phenos	185.73	187.79	CLOR 2 EPID 2												
187.79	188.07	70	Sharp	Mafic Dike	fine-grained	187.79	188.07	EPID 2												
188.07	191.56	65	Undulating	Plagioclase porphyry	glomeroporphyritic; equant to sub-equant plag phenos	188.07	191.56	EPID 2 CLOR 2												
191.56	192.04	70	irregular	qtz-biotite-diorite	coarse-grained	191.56	192.04	SKRN 1 SILI 2EPID 2												
192.04	192.32			Mafic Dike	fine-grained; plag-phyric	192.04	192.32	EPID 2 CLOR 1												
192.32	192.84			Plagioclase porphyry	glomeroporphyritic; sub-equant plag phenos	192.32	192.84	EPID 2 CLOR 2												
192.84	194.09			qtz-biotite-diorite	coarse-grained	192.84	194.09	EPID 2 SILI 3SKRN 2												
194.09	195.19			Mafic Dike	fine-grained	194.09	195.19	SKRN 1 EPID 2CLOR 2												
195.19	196.06			qtz-biotite-diorite	very silicified	195.19	196.06	SILI 4 SKRN 2EPID 2												
196.06	196.45		irregular	Mafic Dike	fine-grained	196.06	196.45	CLOR 1												
196.45	197.25			qtz-biotite-diorite	very silicified; moderately shattered	196.45	197.25	SILI 4 EPID 2SKRN 1												
197.25	198.58			Mafic Dike	fine-grained	197.25	198.58	EPID 2 CLOR 2												
198.58	203.19			qtz-biotite-diorite	med-grained; moderately shattered core; weakly to moderately magnetic	198.58	203.19	SILI 3 EPID 2CLOR 2												
203.19	204.46			Mafic Dike	fine-grained	203.19	204.46	EPID 2 CLOR 2												
204.46	219.08			qtz-biotite-diorite	med-grained; moderately shattered core; weakly to moderately magnetic; from 213.56m onwards, diorite is more coarse-grained and is not magnetic	204.46	219.08	SILI 3 CLOR 2EPID 2								208	210	G0792628	weak-mod m	5.21
219.08	220.93			Mafic Dike	fine-grained; w/ minor mt in fractures	219.08	220.93	SKRN 4 SILI 3	219.08	220.93	2					219.08	220.93	G0792629	skarned maf	9.06
																219.08	220.93	G0792642	skarned maf	8.92
220.93	233.95			Massive Magnetite					220.93	222	3	0.3	4			220.93	222	G0792630	mass mt	58.9
									222	224	0.8	0.3	1.5			222	224	G0792631	mass mt	55.7
									224	226	3	0.3	0.5			224	226	G0792632	mass mt	62.8
									226	228	4		2.5			226	228	G0792633	mass mt	62.7
									228	230	3	0.3	3			228	230	G0792634	mass mt	66.5
									230	232.15	1.5	0.3	3			230	231.93	G0792635	mass mt	66.8
									232.15	233.75	1.5	0.2	4			231.93	233.95	G0792636	mass mt w/ r	62.7
233.95	234.29			Marble	w/ minor mt											233.95	234.52	G0792637	marble + ma	59.8
234.29	234.52	35	Sharp	Massive Magnetite					234.29	234.52	4		3							
234.52	241.26		irregular	Marble		240.38	240.47	CLOR 3 EPID 2								234.52	236	G0792638	marble (ore (	0.93
241.26	241.62	60	Sharp	Plagioclase porphyry	smaller plag phenos (~1mm)	241.26	241.62	EPID 3 CLOR 2												
241.62	253.36		irregular	Marble		246.89	247.09	SKRN 3 CLOR 3												

Bore Hole	11-16B		North 5390988				Start	06/01/2011	az	150				Elev	530							
Logged By	Alexis Eapen and Kyle Karl		East 388600				End 06/06/2011		dip	-80				TD	420.62							
Lithology						Alteration			Sulphide					Point Structures		Samples						
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %		
253.36	254.33	55	Sharp	Plagioclase porphyry	smaller plag phenos (~1mm)	253.36	254.33	SKRN 3 EPID 3CLOR 3	253.36	254.33	2											
254.33	262.02			Marble																		
262.02	262.59	60	Sharp	Mafic Dike	very altered	262.02	262.59	SKRN 4	262.02	262.59	4											
262.59	263.6			Skarn	mostly scapolite, epidote, pale green pyroxene; probably marble protolith	262.59	263.6	SKRN 5	262.59	263.6	2											
263.6	266.62	55	irregular	Marble		264.6	264.62	SKRN 1 CLOR 2														
266.62	267.07		irregular	Mafic Dike	fine-grained	266.62	267.07	EPID 2 CLOR 2														
267.07	291.8	65	irregular	Marble		267.7 274.19 279.94 281.36 291.59	267.75 274.36 280.16 281.64 291.68	CLOR 2 EPID 1 EPID 4 HEMT 2 CLOR 3 SKRN 4 CLOR 3 SKRN 3 CLOR 2														
291.8	296.33	30	Sharp	Mafic Dike	fine-grained; plag-phyric	291.8	296.33	EPID 2 CLOR 2														
296.33	302.69	35	irregular	Marble	from 301.23-302.69m: doesn't fizz, probably anhydrite, looks similar to gypsum but much harder																	
302.69	304.38	60	Sharp	Plagioclase porphyry	glomeroporphyritic; sub-equant plag phenos	302.69	304.38	EPID 2 CLOR 2														
304.38	320.27	40	Sharp	Marble	from 304.38-308.76m: doesn't fizz, probably anhydrite; from 307.76m onwards: marble fizzes	317.58	317.66	CLOR 1 TALC 1														
320.27	321.05			Skarn	mostly pale green pyroxene; some epidote, scapolite	320.27	321.05	SKRN 5	320.27	321.05	4											
321.05	321.14			Marble																		
321.14	321.31			Skarn	mostly pale green pyroxene; some epidote, scapolite	321.14	321.31	SKRN 5	321.14	321.31	4											
321.31	328.36			Marble		323.09 324	323.24 324.23	HEMT 1 EPID 2CLOR 2 EPID 3 CLOR 2HEMT 1														
328.36	328.96	15	irregular	Mafic Dike	fine-grained	328.36	328.96	SKRN 3 EPID 2CLOR 2	328.36	328.96	3.5											
328.96	332.16		irregular	Marble																		
332.16	333.76		irregular	Mafic Dike	fine-grained	332.16	333.76	EPID 2 CLOR 2														
333.76	335.21			Marble																		
335.21	335.49	20	Sharp	Mafic Dike	fine-grained	335.21	335.49	SKRN 2 EPID 2CLOR 2														
335.49	335.7			Marble																		
335.7	336.36			Mafic Dike	fine-grained	335.7	336.36	EPID 2 CLOR 2														
336.36	337.91	35	Sharp	Marble																		
337.91	339.8			Plagioclase porphyry	sub-equant plag phenos	337.91	339.8	SKRN 2 EPID 2CLOR 2														
339.8	341.83		irregular	Marble																		
341.83	342.16		irregular	Skarn	light green pyroxene; minor epidote	341.83	342.16	SKRN 5														
342.16	354.95		irregular	Marble																		

Bore Hole	11-16B			North 5390988		Start	06/01/2011		az	150				Elev	530					
Logged By	Alexis Eapen and Kyle Karl			East 388600		End 06/06/2011			dip	-80				TD	420.62					
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
354.95	355.43			Mafic Dike	very shattered core, very altered	354.95	355.43	CLOR 4 SKRN 3												
355.43	364.24			Marble		363.13	363.28	CLOR 4												
364.24	364.88			Skarn	silicified	364.24	364.88	SKRN 5												
364.88	366.77			Marble		365.53	365.72	EPID 3 CLOR 2								365.76	366.77	G0792639	marble (ore (	1.67
366.77	369.33			Massive Magnetite					366.77	368	2	0.3	1.5			366.77	368	G0792640	mass mt	60.5
									368	369.33	4	0.3	2.5			368	369.33	G0792641	mass mt	57.6
369.33	377.15			Basalt	quite shattered and then healed; moderately shattered core	369.33	377.15	CLOR 2 EPID 2								369.33	371	G0792643	basalt (ore e	9.57
377.15	378.02		irregular	Marble																
378.02	420.62	45	irregular	Basalt	core is shattered, then healed (closer to top contact); weakly to moderately magnetic; amygdules present	378.02	412.33	CLOR 2 EPID 2	397	398	4					397	398	G0792644	basalt w/ sul	10.75
						412.33	415.16	SKRN 3 SILI 3CLOR 2	398	399	2					398	399	G0792645	basalt w/ sul	6.61
						415.16	420.62	CLOR 2 EPID 2								412.33	414	G0792646	skarn-alterec	3.43

Bore Hole 11-15B | North 5390828 | Start 29/05/2011 | az 25 | Elev 480

Logged By Alexis Eapen and Kyle Karl | East 388725 | End 06/01/2011 | dip -50 | TD 353.57

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
0	5.79			Casing	made up of mafic dike and quartz-biotite-diorite boulders															
5.79	8.53			Mafic Dike	fine-grained; shattered core	5.79	8.53	EPID 2 CLOR 2												
8.53	9.24			qtz-biotite-diorite	highly silicified; very shattered core	8.53	9.24	SILI 5 EPID 2												
9.24	10.68			Mafic Dike	fine-grained; very shattered core	9.24	10.68	CLOR 2 EPID 2												
10.68	11.65			qtz-biotite-diorite	coarse-grained; shattered core	10.68	11.65	SILI 3 EPID 2												
11.65	12.13			Mafic Dike	fine-grained; plag-phyric; shattered core	11.65	12.13	CLOR 1 HEMT 1EPID 2												
12.13	38.77			qtz-biotite-diorite	coarse-grained; moderately shattered core	12.13	18.29	SILI 2 EPID 2												
						18.29	21.75	SILI 3 SKRN 2EPID 2												
						21.75	27.33	SILI 4 SKRN 2EPID 2												
						27.33	38.77	SILI 3 SKRN 2EPID 2												
38.77	41.95			Plagioclase porphyry	could be very altered quartz-biotite-diorite? Glomeroporphyritic; shattered core	38.77	41.95	SILI 3 EPID 2												
41.95	48.2			qtz-biotite-diorite	coarse-grained; moderately shattered core	41.95	48.2	SILI 3 SKRN 2EPID 2												
48.2	49.1			Mafic Dike	fine-grained; shattered core	48.2	49.1	CLOR 1 EPID 2												
49.1	52.32			qtz-biotite-diorite	coarse-grained	49.1	52.32	SILI 2 EPID 2SKRN 1												
52.32	52.75		irregular	Mafic Dike	fine-grained; very shattered core	52.32	52.75	SKRN 1 CLOR 2EPID 2												
52.75	54.05			qtz-biotite-diorite	coarse-grained; moderately shattered core	52.75	54.05	SILI 2 EPID 2SKRN 2												
54.05	54.7			Mafic Dike	fine-grained	54.05	54.7	CLOR 2 EPID 2												
54.7	55.67			qtz-biotite-diorite	coarse-grained	54.7	55.67	SKRN 2 EPID 2SILI 3												
55.67	57.74			Plagioclase porphyry	glomeroporphyritic; equant plag phenos	55.67	57.74	EPID 2 CLOR 2												
57.74	58.32		irregular	qtz-biotite-diorite	coarse-grained	57.74	58.32	EPID 2 SILI 2SKRN 2												
58.32	64.61			Plagioclase porphyry	glomeroporphyritic; equant plag phenos	58.32	64.61	EPID 2 CLOR 2												
64.61	66.41		irregular	qtz-biotite-diorite	coarse-grained	64.61	66.41	SILI 2 EPID 2SKRN 2												
66.41	74.5			Plagioclase porphyry	shattered core from 70.10-74.50m.	66.41	74.5	CLOR 2 EPID 2												

Bore Hole	11-15B	North 5390828	Start 29/05/2011	az 25	Elev 480
Logged By	Alexis Eapen and Kyle Karl	East 388725	End 06/01/2011	dip -50	TD 353.57

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
74.5	74.85			Mafic Dike	fine-grained; moderately shattered core; minor qtz-biot-diorite fingers closer to top contact	74.5	74.85	SKRN 2 CLOR 2SILI 2												
74.85	75.12			qtz-biotite-diorite	coarse-grained	74.85	75.12	SKRN 2 EPID 2SILI 5												
75.12	77.27			Mafic Dike	fine-grained; moderately shattered core	75.12	77.27	SKRN 2 CLOR 2SILI 2												
77.27	78			qtz-biotite-diorite	coarse-grained; highly altered	77.27	78	SILI 3 EPID 2TURM 3												
78	78.54			Plagioclase porphyry	glomeroporphyritic; sub-equant plag phenos	78	78.54	EPID 2 CLOR 2												
78.54	79.08			Mafic Dike	microgabbro?	78.54	79.08	SKRN 1 EPID 2CLOR 2	78.54	79.08	1									
79.08	93.17			Plagioclase porphyry	sub-equant plag phenos; smaller phenos than previous ones (~1-2mm)	79.08	84	EPID 2 CLOR 2												
						84	88.39	EPID 3 CLOR 2												
						88.39	89.5	EPID 2 CLOR 2												
						89.5	93.17	EPID 3 CLOR 2SKRN 2												
93.17	95.04			Garnet-Pyroxene-Skarn	mostly pyroxene; some garnet, actinolite; minor epidote, scapolite	93.17	95.04	SKRN 5								93.17	95.04	G0792564	gt-px-skarn	7.41
95.04	96.09			Plagioclase porphyry	sub-equant plag phenos	95.04	96.09	EPID 2 CLOR 2												
96.09	96.66			Skarn	mostly pyroxene, actinolite; some epidote	96.09	96.66	SKRN 5												
96.66	97.26			Mafic Dike	fine-grained	96.66	97.26	SKRN 3												
97.26	98.75			Garnet-Pyroxene-Skarn	mostly pyroxene, actinolite; some garnet; minor epidote	97.26	98.75	SKRN 5								97.26	98.75	G0792565	skarn	8.39
98.75	100.76			Plagioclase porphyry	equant plag phenos	98.75	100.76	CLOR 2 EPID 2												
100.76	101.59			Garnet-Pyroxene-Skarn	mostly garnet; some epidote; minor pyroxene	100.76	101.59	SKRN 5								100.76	101.59	G0792566	skarn (mostl	10.1
101.59	101.83			Mafic Dike	fine-grained	101.59	101.83	SKRN 2 EPID 3												
101.83	106.17	40	irregular	Skarn	mostly pyroxene, actinolite, epidote; minor garnet	101.83	106.17	SKRN 5												
106.17	116.3			Mafic Dike	or basalt? amygdules present?	106.17	116.3	CLOR 2 EPID 2								115	116.3	G0792567	basalt/MD (o	7.62
116.3	117.68			Magnetite-Skarn		116.3	117.68	SKRN 5	116.3	117.68	1					116.3	117.68	G0792568	mt-skarn	33.6
117.68	119.86			Mafic Dike	fine-grained; plag-phyric; very minor mt in fractures	117.68	118.87	EPID 2 CLOR 1								117.68	119.86	G0792569	plag porph (i	8.24
						118.87	119.71	SKRN 4												
						119.71	119.86	SKRN 2 EPID 2CLOR 2												

Bore Hole	11-15B		North 5390828				Start 29/05/2011		az	25				Elev	480					
Logged By	Alexis Eapen and Kyle Karl		East 388725				End 06/01/2011		dip	-50				TD	353.57					
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
119.86	124.8	70	Sharp	Plagioclase porphyry	glomeroporphyritic; equant plag phenos; minor mt in fractures; minor 3cm mass mt @ 122.37m and 122.62m	119.86	124.8	EPID 2 CLOR 2								119.86	122	G0792570	plag porph (i	6.45
																122	124	G0792571	plag porph w	7.99
																124	124.8	G0792573	plag porph (i	6.28
124.8	125.24			Massive Magnetite					124.8	125.24	3					124.8	125.24	G0792574	mass mt	55.7
125.24	126.25			Plagioclase porphyry	glomeroporphyritic; equant plag phenos; minor mt in fractures	125.24	126.25	EPID 2 CLOR 2								125.24	126.58	G0792575	plag porph (i	12.45
126.25	126.58			Mafic Dike	fine-grained	126.25	126.58	CLOR 3 EPID 2												
126.58	128.15			Massive Magnetite					126.58	128.15	2.5		5			126.58	128	G0792576	mass mt	60.5
																128	129	G0792577	mass mt + m	58.9
128.15	128.3			Mafic Dike	fine-grained; very shattered core	128.15	128.3	CLOR 4												
128.3	131.76			Massive Magnetite					128.3	130	2	0.3	0.8			129	130	G0792578	mass mt	64.4
									130	131.76	2.5	0.4	1			130	131.76	G0792579	mass mt	65.4
131.76	135.28			Plagioclase porphyry	glomeroporphyritic; sub-equant plag phenos	131.76	135.28	CLOR 2 EPID 2								131.76	134	G0792580	plag porph (i	7.25
																134	135.28	G0792581	plag porph (i	9.7
135.28	135.4			Magnetite-Skarn	mt + pyroxene-skarn	135.28	135.4	SKRN 5								135.28	135.86	G0792582	mass mt	57.4
135.4	135.86			Massive Magnetite					135.4	135.86	1.5	0.8								
135.86	136.56			Mafic Dike	fine-grained; very shattered core	135.86	136.56	CLOR 4								135.86	136.56	G0792583	mafic dike (ir	19.5
136.56	137.42			Massive Magnetite					136.56	137.42	1.5	0.4				136.56	137.63	G0792584	mass mt w/ r	57.2
137.42	137.63			Mafic Dike	fine-grained; very shattered core	137.42	137.63	CLOR 4 EPID 2												
137.63	139.09			Massive Magnetite					137.63	139.09	2		1			137.63	139.09	G0792585	mass mt	58.8
139.09	140.77			Skarn	mostly very light blue-green pyroxene; almost white looking; w/ minor disseminated and fractured mt	139.09	143.2	SKRN 5	139.09	140.77	2					139.09	141	G0792586	mt-skarn + s	9.33
140.77	141			Magnetite-Skarn	mt + pyroxene-skarn															
141	143			Skarn	mostly very light green-blue pyroxene; w/ minor fractured and blebed mt											141	143.26	G0792587	skarn w/ min	11.3
143	143.2			Magnetite-Skarn	mt + pyroxene-skarn															
143.2	143.54			Mafic Dike	fine-grained; plag-phyric	143.2	143.54	CLOR 1 EPID 2								143.26	144.12	G0792588	mafic dike w	7.84
143.54	144.12			Skarn	mostly all pyroxene; w/ minor mt in fractures	143.54	144.12	SKRN 5												
144.12	144.7			Massive Magnetite					144.12	144.7	2		2			144.12	144.7	G0792596	mass mt; Du	58.5
																144.12	144.7	G0792589	mass mt; Du	58.3

Bore Hole	11-15B	North 5390828	Start 29/05/2011	az 25	Elev 480
Logged By	Alexis Eapen and Kyle Karl	East 388725	End 06/01/2011	dip -50	TD 353.57

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
144.7	145.85			Skarn	mostly euhedral brownish-green garnet	144.7	145.85	SKRN 5								144.7	145.85	G0792590	gt-skarn (ore	15.1
145.85	145.95			Mafic Dike	fine-grained; very shattered core	145.85	145.95	CLOR 3 EPID 2												
145.95	146.05			Marble																
146.05	146.46			Plagioclase porphyry	moderately shattered core	146.05	146.46	CLOR 2 EPID 2												
146.46	147.56	65	Undulating	Marble																
147.56	147.8		irregular	Mafic Dike	fine-grained; shattered core	147.56	147.8	CLOR 3 EPID 2												
147.8	152.46	80	Sharp	Marble		151.02	151.14	EPID 3 CLOR 2												
152.46	154.74		irregular	Skarn	mostly epidote, scapolite, pyroxene	152.46	154.74	SKRN 5	152.46	154.74	4									
154.74	155.84	65	irregular	Marble																
155.84	156.52	5	Undulating	Plagioclase porphyry	sub-equant plag phenos	155.84	156.52	EPID 2 CLOR 2												
156.52	157.51	25	irregular	Hbl-Gabbro	med- to coarse-grained	156.52	160	EPID 3 CLOR 2												
157.51	158.74			Mafic Dike	fine-grained; plag-phyric															
158.74	159.85	20	Sharp	Hbl-Gabbro	med- to coarse-grained; weakly magnetic															
159.85	160			Marble																
160	161.56		irregular	Plagioclase porphyry	sub-equant plag phenos	160	161.56	EPID 2 CLOR 2												
161.56	170.09	60	Undulating	Marble		162.24 165.48	162.31 165.66	CLOR 1 EPID 2 CLOR 1												
170.09	170.35			Mafic Dike	fine-grained	170.09	170.35	HEMT 1 CLOR 2												
170.35	172.4	75	Sharp	Marble																
172.4	172.63			Mafic Dike	fine-grained	172.4	172.63	EPID 2 CLOR 2												
172.63	173.74			Marble		173.46	173.63	CLOR 3												
173.74	174.12			Mafic Dike	fine-grained; brecciated and then healed	173.74	174.12	CLOR 4 EPID 2												
174.12	178.26	60	Undulating	Marble		175.61	175.81	CLOR 2 EPID 2												
178.26	178.71		Undulating	Mafic Dike	fine-grained	178.26	178.71	EPID 2 CLOR 1												
178.71	180.23		Undulating	Marble		179.61	179.76	CLOR 2 EPID 2												
180.23	180.53			Mafic Dike	fine-grained	180.23	180.53	EPID 2 CLOR 1												
180.53	181.09	65	Sharp	Marble																
181.09	181.84		irregular	Skarn		181.09	181.84	SKRN 5	181.09	181.84	6					181.09	182.15	G0792591	marble (ore	6.55
181.84	182.15	45	Sharp	Marble																
182.15	184.05	40	Sharp	Massive Magnetite					182.15	184.05	2	1	1			182.15	184.05	G0792592	mass mt	62.4
184.05	185.15			Mafic Dike	fine-grained	184.05	185.15	CLOR 2 EPID 2								184.05	185.15	G0792593	mafic dike (ir	7.62
185.15	185.85	40	Sharp	Massive Magnetite					185.15	185.85	1.5		0.5			185.15	185.85	G0792594	mass mt	46.9
185.85	187.15			Plagioclase porphyry	sub-equant plag phenos	185.85	187.15	SKRN 3 EPID 1CLOR 1								185.85	187.15	G0792595	plag porph (i	6.44
187.15	187.68			Massive Magnetite					187.15	187.68	2.5					187.15	188.39	G0792597	mass mt + m	48
187.68	187.85			Marble																

Bore Hole	11-15B			North 5390828				Start 29/05/2011		az 25				Elev 480						
Logged By	Alexis Eapen and Kyle Karl			East 388725				End 06/01/2011		dip -50				TD 353.57						
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
187.85	188.39			Massive Magnetite					187.85	188.39	2									
188.39	189.24			Plagioclase porphyry	highly altered (feldspars have been epidote altered)	188.39	189.24	EPID 3 CLOR 2								188.39	190.59	G0792598	marble w/ mi	11.75
189.24	189.59			Magnetite-Skarn	mass mt + disseminated mt in marble				189.24	189.59	4									
189.59	190.59			Marble	w/ minor blebbed and stringer mt															
190.59	190.96			Massive Magnetite	w/ minor clasts of marble				190.59	190.96	4	0.2				190.59	191.33	G0792599	mass mt + m	25.5
190.96	191.33			Marble																
191.33	192.02	35	irregular	Massive Magnetite					191.33	192.02	4	0.3	2			191.33	192.02	G0792600	mass mt	60.7
192.02	192.5			Mafic Dike	fine-grained	192.02	192.5	EPID 3 CLOR 2								192.02	192.5	G0792601	mafic dike (ir	7.29
192.5	193.42			Massive Magnetite		192.62	192.77	CLOR 1	192.5	193.42	4	0.2	5			192.5	194.07	G0792602	mass mt + m	48.9
193.42	193.73	50	Sharp	Marble	w/ minor dissemated mt															
193.73	194.07			Magnetite-Skarn	mixed marble + mass mt + mt-skarn				193.73	194.07	4									
194.07	194.38			Marble												194.07	195.02	G0792603	marble w/ mi	18.9
194.38	194.56			Magnetite-Skarn	half mt half marble				194.38	194.56	3	0.8	3							
194.56	195.41			Marble	w/ minor disseminated mt	195.02	195.17	CLOR 3 EPID 2								195.02	196	G0792604	mafic dike (c	8.33
195.41	198.29			Plagioclase porphyry	moderately shattered core	195.41	198.29	EPID 3 CLOR 2												
198.29	199.97		irregular	Marble																
199.97	201.25			Plagioclase porphyry	moderately shattered core	199.97	201.25	EPID 3												
201.25	201.52			Mafic Dike	fine-grained	201.25	204.16	CLOR 1 EPID 2												
201.52	204.16			Plagioclase porphyry	moderately shattered core															
204.16	205.94		irregular	Marble																
205.94	206.29			Mafic Dike	fine-grained; plag-phyric	205.94	206.29	CLOR 1 EPID 2												
206.29	214.07	75	Undulating	Marble		207.73	207.95	CLOR 3 EPID 3												
214.07	214.31			Mafic Dike	fine-grained; shattered core	214.07	214.31	EPID 1 CLOR 2												
214.31	217.21			Marble																
217.21	218.73	55	Sharp	Mafic Dike	fine-grained; minor mt in fractures	217.21	218.73	SKRN 3 CLOR 2								217.21	218.73	G0792605	mafic dike (c	13.75
218.73	219.65			Massive Magnetite					218.73	219.65	3	0.6				218.73	219.65	G0792606	mass mt	59
219.65	220.34			Garnet-Pyroxene-Skarn	mostly garnetite; w/ minor mt in fractures	219.65	220.34	SKRN 5								219.65	220.34	G0792607	gt-skarn	19.1
220.34	220.78		irregular	Marble												220.34	222.58	G0792608	marble + ma	5.29
220.78	221.64		irregular	Plagioclase porphyry		220.78	221.64	EPID 2 SKRN 2CLOR 2												
221.64	222.73	60	Undulating	Marble	minor mt in fractures; mafic dike clasts present				222.58	224	3	0.4				222.58	224	G0792609	mass mt + m	51.4

Bore Hole	11-15B		North 5390828		Start 29/05/2011		az	25		Elev	480
Logged By	Alexis Eapen and Kyle Karl		East 388725		End 06/01/2011		dip	-50		TD	353.57

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
222.73	225.55			Massive Magnetite	minor marble from 222.93-223.0m				224	225.55	4	0.3				224	225.55	G0792610	marble (inter	53.3
225.55	227.69			Mafic Dike	fine-grained; plag-phyric; almost porphyritic in some areas	225.55	227.69	EPID 3 CLOR 2								225.55	227.69	G0792611	mafic dike (ir	6.59
																225.55	227.69	G0792647	mafic dike (ir	8.57
227.69	232.23			Massive Magnetite												227.69	229	G0792612	mass mt	59.2
																229	231	G0792613	mass mt	57.5
																231	232.23	G0792614	mass mt	58.1
232.23	233.07			Mafic Dike	microgabbro?	232.23	233.07	SKRN 2 EPID 2CLOR 1								232.23	233.07	G0792615	mafic dike (ir	11.15
233.07	234.54			Massive Magnetite												233.07	234.54	G0792616	mass mt	59.6
234.54	235.16			Magnetite-Skarn	mt + pyroxene-skarn	234.54	238.56	SKRN 5								234.54	235.16	G0792617	mt-skarn	35.7
235.16	238.56			Skarn	mostly epidote; minor scapolite, pyroxene; minor mt in fractures; moderately shattered											235.16	237	G0792618	epidote-skar	10.3
238.56	238.71			Marble																
238.71	239.33			Plagioclase porphyry		238.71	239.33	EPID 2 SILI 3CLOR 1												
239.33	241.66			Marble																
241.66	242.1			Mafic Dike	fine-grained; moderately shattered core	241.66	242.1	SKRN 3												
242.1	257.41	60	Sharp	Marble																
257.41	258.4	75	Sharp	Mafic Dike	fine-grained; moderately shattered core	257.41	258.4	CLOR 2 EPID 2												
258.4	258.61		irregular	Marble																
258.61	259.14	55	Sharp	Mafic Dike	fine-grained; hbl-phyric	258.61	259.14	SKRN 3 CLOR 2												
259.14	260.04		irregular	Marble		259.83	259.91	CLOR 2 EPID 2												
260.04	260.69	80	Sharp	Mafic Dike	fine-grained;plag-phyric	260.04	260.69	EPID 2 CLOR 2												
260.69	263.26	75	Undulating	Marble		260.75	260.86	EPID 3 CLOR 2EPID 2												
						261.03	261.11	CLOR 2 EPID 2												
						262.43	262.47	CLOR 4												
263.26	263.61	75	Sharp	Mafic Dike	fine-grained; moderately shattered core	263.26	263.61	EPID 3 CLOR 2												
263.61	271.64		irregular	Marble		265.16	265.4	EPID 3 SKRN 2CLOR 1												
						266.03	266.26	EPID 4 CLOR 2												
271.64	272.01		irregular	Mafic Dike	fine-grained	271.64	272.01	SKRN 2 CLOR 2EPID 2												
272.01	272.2			Marble																
272.2	272.54	80	Sharp	Mafic Dike	fine-grained	272.2	272.54	CLOR 2 EPID 2												
272.54	287.27	75	Sharp	Marble																
287.27	287.66	65	Sharp	Skarn		287.27	287.66	SKRN 5	287.27	287.66	4									
287.66	296.6		irregular	Marble		289.19	289.3	EPID 2 CLOR 2												
						289.91	289.96	EPID 2 CLOR 3												
						296.44	296.55	EPID 2 CLOR 2												

Bore Hole 11-15B | North 5390828 | Start 29/05/2011 | az 25 | Elev 480
Logged By Alexis Eapen and Kyle Karl | East 388725 | End 06/01/2011 | dip -50 | TD 353.57

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
296.6	298.37	45	Sharp	Plagioclase porphyry	smaller (~1mm) sub-equant plag phenos; moderately shattered core	296.6	298.37	CLOR 1 EPID 2												
298.37	303.86	70	irregular	Marble																
303.86	307.7		irregular	Porphyritic gabbro	sub-equant to sub-rounded plag phenos	303.86	307.7	EPID 2 CLOR 1												
307.7	308.41		irregular	Marble																
308.41	309.44	50	Sharp	Porphyritic gabbro	sub-equant plag penos	308.41	309.44	EPID 2 CLOR 1												
309.44	318.04	22	Undulating	Marble																
318.04	318.3			Mafic Dike	fine-grained; moderately shattered core	318.04	318.3	SKRN 3 CLOR 2												
318.3	321.32			Marble																
321.32	321.61		irregular	Garnet-Pyroxene-Skarn	mostly garnetite; some epidote present	321.32	321.61	SKRN 5												
321.61	322.81			Mafic Dike	fine-grained; moderately shattered core	321.61	322.81	SILI 2 SKRN 2CLOR 2												
322.81	325.2			Skarn	mostly darker green pyroxene; some garnet, epidote present	322.81	325.2	SKRN 5	322.81	325.2	1.5					323	324	G0792619	skarn	4.78
																324	325.44	G0792620	skarn w/ min	19.85
325.2	325.44	55	Sharp	Massive Magnetite																
325.44	327.94	65	Sharp	Marble												325.44	326	G0792621	marble	0.62
327.94	328.46	55	Sharp	Mafic Dike	minor mt in fractures	327.94	328.46	SKRN 4	327.94	328.46	8					327.94	328.54	G0792622	mafic dike w/	16.7
328.46	328.54			Massive Magnetite																
328.54	333.7	40	Undulating	Marble												328.54	329	G0792623	marble	1.06
333.7	334.43	40	Sharp	Mafic Dike	fine-grained; plag-phyric; moderately shattered core	333.7	334.43	CLOR 1 EPID 2												
334.43	347.4	35	Sharp	Marble		337	337.07	SKRN 1 CLOR 2												
						339.3	339.42	EPID 2 CLOR 2												
347.4	347.76			Skarn	mostly pyroxene; some garnet present	347.4	347.76	SKRN 5	347.4	347.76	6					347.4	347.76	G0792624	skarn	5.67
347.76	348.5		irregular	Marble																
348.5	349.9	65	Sharp	Skarn	mostly pyroxene; some garnet, epidote, scapolite present	348.5	349.9	SKRN 5	348.5	349.9	2									
349.9	353.57	50	Sharp	Marble	gypsum in some fractures															

Bore Hole	11-14B	North 5390828	Start 26/05/2011	az 360	Elev 480
Logged By	Alexis Eapen and Kyle Karl	East 388725	End 29/05/2011	dip -50	TD 291.08

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
0	4.57			Casing	made up of qtz-biot-diorite boulders															
4.57	21.58			qtz-biotite-diorite	coarse-grained; moderately shattered core	4.57	21.58	SILI 3 SKRN 2EPID 2												
21.58	24.06	45	Sharp	Mafic Dike	fine-grained; very shattered core	21.58	24.06	CLOR 2 EPID 2SKRN 1												
24.06	28.17			qtz-biotite-diorite	coarse-grained; weakly shattered core	24.06	28.17	SKRN 2 SILI 3												
28.17	39.74	45	Sharp	Porphyritic gabbro	sub-equant plag phenos	28.17	39.74	EPID 2 CLOR 1												
39.74	45.6	20	Sharp	qtz-biotite-diorite	coarse-grained; minor mafic segregations present	39.74	45.6	SKRN 2 SILI 3												
45.6	52.62			Mafic Dike	fine-grained; weakly-moderately magnetic	45.6	52.62	EPID 2 CLOR 2												
52.62	52.87	20	Sharp	qtz-biotite-diorite	coarse-grained	52.62	52.87	SKRN 2												
52.87	52.96	60	Sharp	Mafic Dike	fine-grained; weakly-moderately magnetic	52.87	52.96	CLOR 2 EPID 2												
52.96	59.6			qtz-biotite-diorite	coarse-grained	52.96	59.6	EPID 3 SILI 2SKRN 2												
59.6	62.46		irregular	Plagioclase porphyry	equant plag phenos; glomerporphyritic	59.6	62.46	CLOR 2 EPID 2												
62.46	68.23			Mafic Dike	couyld be a very altered qtz-biot-diorite	62.46	64.41	SKRN 4												
						64.41	65.4	EPID 2 CLOR 2												
						65.4	67.33	SKRN 4 SILI 2												
						67.33	68.23	SKRN 3 CLOR 2EPID 2												
68.23	70.74			qtz-biotite-diorite	coarse-grained	68.23	70.74	SKRN 2 CLOR 1SILI 2												
70.74	71			Mafic Dike	fine-grained; moderately shattered core	70.74	71	EPID 2 CLOR 3												
71	76.66			qtz-biotite-diorite	coarse-grained	71	76.66	CLOR 1 SILI 2SKRN 3												
76.66	77.33			Mafic Dike	fine-grained; moderately shattered core	76.66	77.33	CLOR 1 EPID 2												
77.33	78.06			qtz-biotite-diorite	coarse-grained	77.33	78.06	SILI 2 CLOR 2EPID 3												
78.06	82.5			Mafic Dike	fine-grained; moderately shattered core	78.06	80	EPID 4 CLOR 2								82	84	G0792542	mafic dike w.	9.96
						80	82.5	CLOR 2 EPID 3												
82.5	82.7			Massive Magnetite					82.5	82.7	4	1								
82.7	83.47			Mafic Dike	fine-grained; minor mt in fractures	82.7	83.47	EPID 3 CLOR 2												

Bore Hole	11-14B	North 5390828	Start 26/05/2011	az 360	Elev 480
Logged By	Alexis Eapen and Kyle Karl	East 388725	End 29/05/2011	dip -50	TD 291.08

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
83.47	85.55			Skarn	nearer to top contact: mostly actinolite and minor epidote, garnet; closer to bottom contact: mostly garnet, pyroxene; minor mt in fractures	83.47	85.55	SKRN 5								84	85	G0792543	skarn	9.96
85.55	87.32			Mafic Dike	fine-grained; moderately shattered core	85.55	86.56	SKRN 2 EPID 2CLOR 2												
						86.56	87.32	EPID 3 SKRN 3CLOR 3												
87.32	88.06			Epidote-Skarn		87.32	88.06	SKRN 5 EPID 5												
88.06	90.7			Mafic Dike	fine-grained; plag-phyric	88.06	90.7	CLOR 2 EPID 2												
90.7	92.79	35	Sharp	qtz-biotite-diorite	coarse-grained; w/ minor mafic segregations throughout	90.7	92.79	EPID 2 SILI 3SKRN 3												
92.79	93.68	10	Sharp	Mafic Dike	fine-grained; plag-phyric	92.79	93.68	EPID 3 CLOR 1												
93.68	94.19	15	Sharp	qtz-biotite-diorite	coarse-grained	93.68	94.19	EPID 3 SILI 2												
94.19	97.01		irregular	Plagioclase porphyry	sub-equant plag phenos	94.19	97.01	EPID 3 CLOR 1												
97.01	98.37			qtz-biotite-diorite	coarse-grained	97.01	98.37	SILI 2 SKRN 3												
98.37	138.35			Plagioclase porphyry	minor qtz-biot-diorite fingers nearer to the top contact	98.37	111.06	SKRN 3 EPID 2CLOR 1								138	139	G0792544	plag porph +	24.8
						111.06	111.56	SKRN 4 CLOR 2												
						111.56	115.5	EPID 2 CLOR 2												
						115.5	117.37	SKRN 4												
						117.37	128.54	CLOR 2 EPID 2												
						128.54	129.47	EPID 3 CLOR 2												
						129.47	138.35	CLOR 2 EPID 2												
138.35	138.58			Massive Magnetite					138.35	139	3		2							
138.58	139			Magnetite-Skarn		138.58	139	SKRN 5												
139	139.56			Mafic Dike	fine-grained	139	139.56	CLOR 2 SKRN 2EPID 2								139	140	G0792545	plag porph	5.65
139.56	144.88	40	Sharp	Plagioclase porphyry	sub-equant plag phenos	139.56	144.88	EPID 2 CLOR 2												
144.88	146.6	70	Sharp	Mafic Dike	fine-grained; mass mt from 145.07 to 145.14m.	144.88	146.6	EPID 2 CLOR 3	144.88	146.6	1			145.1	7cm mass mt	144.88	146.6	G0792546	mafic dike w.	12.3
146.6	152.55	55	Undulating	Massive Magnetite					146.6	148	3	0.3	3			146.6	148	G0792547	mass mt	64.9
									148	150	1.5	0.5	3.5			148	150	G0792548	mass mt	64.3
									150	152	0.8	0.4	2			150	152	G0792550	mass mt	63.3
									152	152.55	1		2.5			152	152.55	G0792551	mass mt	63.2
152.55	152.95			Skarn	mostly epidote, some scapolite	152.55	152.95	SKRN 5								152.55	153.21	G0792552	skarn + mafi	10.95
152.95	153.21			Mafic Dike	fine-grained	152.95	153.21	CLOR 4												
153.21	157.78		irregular	Plagioclase porphyry		153.21	156.88	CLOR 2 SKRN 2EPID 2								153.21	155	G0792553	plag porph	4.77
						156.88	157.78	SKRN 3												

Bore Hole	11-14B			North 5390828			Start 26/05/2011		az	360				Elev	480					
Logged By	Alexis Eapen and Kyle Karl			East 388725			End 29/05/2011		dip	-50				TD	291.08					
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
157.78	159.19	35	Undulating	Marble																
159.19	159.91	70	Undulating	Mafic Dike	fine-grained; very shattered core	159.19	159.91	EPID 3 CLOR 3												
159.91	164.29		irregular	Marble		160.29	160.44	CLOR 3 EPID 3												
						160.6	160.85	CLOR 3 SKRN 3												
164.29	164.87	50	Sharp	Skarn	mostly epidote, pyroxene	164.29	164.87	SKRN 5												
164.87	178.5	65	Sharp	Marble												177	178.5	G0792554	marble (ore	0.63
178.5	179.88	60	irregular	Massive Magnetite					178.5	179.88	1		2			178.5	179.88	G0792555	mass mt	65.6
179.88	180.45		irregular	Marble												179.88	181	G0792556	marble + hbl	4.12
180.45	183.27	70	Sharp	Horneblende-Pyroxene-Feldspar-Gabbro	coarse-grained	180.45	183.27	SKRN 2 EPID 2CLOR 1												
183.27	190.25	35	Sharp	Marble																
190.25	190.84	80	Sharp	Mafic Dike	fine-grained; shattered core	190.25	190.84	CLOR 2 EPID 2												
190.84	191.97	80	irregular	Marble																
191.97	192.96			Plagioclase porphyry		191.97	192.96	EPID 3 CLOR 2												
192.96	194.05		irregular	Marble																
194.05	194.51		irregular	Mafic Dike	fine-grained; very shattered core	194.05	194.51	CLOR 3 EPID 1												
194.51	197.98			Marble																
197.98	198.42	65	Undulating	Plagioclase porphyry		197.98	198.42	EPID 2 CLOR 2												
198.42	198.91	55	Sharp	Marble																
198.91	199.65	80	Sharp	Plagioclase porphyry	equant plag phenos; glomeroporphyritic	198.91	199.65	EPID 3 CLOR 2												
199.65	200.67			Marble																
200.67	201.17			Skarn	mostly epidote, scapolite	200.67	201.17	SKRN 5												
201.17	204.06			Marble												203	204.06	G0792557	marble (ore	0.27
204.06	208.63	35	Sharp	Massive Magnetite												204.06	206	G0792558	mass mt	65.5
																206	208	G0792559	mass mt + v	62.5
																208	208.63	G0792560	mass mt	58.3
208.63	209.03			Mafic Dike	w/ minor mt in fractures	208.63	209.03	SKRN 3 CLOR 3								208.63	209.03	G0792561	mafic dike (ir	12.9
209.03	210.42			Massive Magnetite												209.03	210.42	G0792562	mass mt; Du	55.1
																209.03	210.42	G0792572	mass mt; Du	48.5
210.42	210.66			Plagioclase porphyry		210.42	210.66	EPID 2 CLOR 1								210.42	212	G0792563	plag porph +	1.78
210.66	213.93			Marble		212.44	212.56	SKRN 2 CLOR 3												
213.93	215.41	75	irregular	Porphyritic gabbro	sub-equant plag phenos	213.93	215.41	EPID 3 CLOR 1												
215.41	218.05		irregular	Marble																
218.05	218.54			Mafic Dike	fine-grained; very shattered core	218.05	218.54	CLOR 2 EPID 2												
218.54	229.65			Marble																

Bore Hole	11-14B				North 5390828			Start 26/05/2011		az	360			Elev	480					
Logged By	Alexis Eapen and Kyle Karl				East 388725			End 29/05/2011		dip	-50			TD	291.08					
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
229.65	231.35			Plagioclase porphyry	sub-equant plag phenos; glomeroporphyritic;	229.65	233.76	EPID 2 CLOR 2												
231.35	231.86			Mafic Dike	fine-grained															
231.86	233.76			Plagioclase porphyry	equant plag phenos; glomeroporphyritic															
233.76	234.57			Marble																
234.57	237.74			Porphyritic gabbro	plag and pyroxene phenocrysts (pyx>plag)	234.57	237.74	CLOR 2 EPID 2												
237.74	238.92			Marble																
238.92	239.5			Mafic Dike	fine-grained; moderately shattered core	238.92	239.5	CLOR 2 EPID 1												
239.5	241.74			Marble																
241.74	244.88			Plagioclase porphyry		241.74	244.88	EPID 1 HEMT 1CLOR 2												
244.88	245.83			Marble																
245.83	246.47			Mafic Dike	fine-grained; moderately shattered core	245.83	246.47	HEMT 2 CLOR 2EPID 3												
246.47	247.66			Marble																
247.66	247.8			Mafic Dike	fine-grained; moderately shattered core	247.66	247.8	EPID 3 HEMT 1CLOR 2												
247.8	253.64			Marble		251.32	251.41	CLOR 2												
253.64	254			Mafic Dike	fine-grained; very shattered core	253.64	254	CLOR 3 EPID 2												
254	256.03	30	Sharp	Marble																
256.03	256.9			Mafic Dike	fine-grained	256.03	256.9	CLOR 4 EPID 2												
256.9	261.1		irregular	Marble																
261.1	261.86			Mafic Dike	very shattered core	261.1	261.86	CLOR 3 EPID 2HEMT 1												
261.86	266.77			Marble		261.94	262.14	HEMT 2 EPID 2CLOR 2												
266.77	267			Mafic Dike	very shattered core; very low recovery	266.77	267	EPID 2 HEMT 1												
267	270			Marble	low recovery; lots of boulders; measurements are approximate															
270	276			Plagioclase porphyry	very shattered core;low recovery; lots of boulders; measurements are approximate	270	276	HEMT 2 CLOR 2EPID 2												
276	291.08			Marble	low recovery; lots of boulders; measurements are approximate															

Bore Hole	11-13B	North 5390828	Start 23/05/2011	az 314	Elev 480
Logged By	Alexis Eapen and Kyle Karl	East 388725	End 26/05/2011	dip -60	TD 356.62

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
0	7.4			Casing	made of minor qtz-biot-diorite and mafic dike boulders															
7.4	24.38			qtz-biotite-diorite	coarse-grained; moderately shattered core	7.4	24.38	SKRN 2 EPID 2SILI 3												
24.38	26.81			Plagioclase porphyry	very shattered core; glomeroporphyritic; sub-equant plag phenos	24.38	26.81	CLOR 3 EPID 2												
26.81	33.85			qtz-biotite-diorite	very altered; coarse-grained	26.81	28.86	SILI 3 TURM 4												
						28.86	33.85	SILI 3 EPID 2												
33.85	34.83			Mafic Dike	fine-grained; minor qtz-biot-diorite clasts	33.85	34.83	CLOR 3 EPID 2												
34.83	35.94			qtz-biotite-diorite	coarse-grained	34.83	35.94	SILI 3 EPID 2SKRN 1												
35.94	37.07			Mafic Dike	fine-grained; very shattered core	35.94	37.07	CLOR 4 EPID 2												
37.07	37.94			qtz-biotite-diorite	coarse-grained	37.07	37.94	SILI 4 EPID 3												
37.94	38.84	30	irregular	Mafic Dike	fine-grained; moderately shattered core	37.94	38.84	CLOR 4 EPID 2												
38.84	39.14			qtz-biotite-diorite	very altered	38.84	39.17	SILI 4 EPID 3												
39.14	39.64			Mafic Dike	fine-grained; moderately shattered core	39.17	39.64	CLOR 3 EPID 2												
39.64	41.88			qtz-biotite-diorite	very altered	39.64	41.88	SILI 4 EPID 2SKRN 2												
41.88	44.96			Plagioclase porphyry	fine-grained; shattered core	41.88	44.96	CLOR 3 EPID 2												
44.96	45.27			qtz-biotite-diorite	coarse-grained	44.96	45.27	SKRN 3 SILI 3												
45.27	46.61		irregular	Plagioclase porphyry	moderately shattered core	45.27	46.61	EPID 2 CLOR 2												
46.61	53.58			qtz-biotite-diorite	coarse-grained	46.61	48.49	SILI 2 EPID 2SKRN 1												
						48.49	49.5	SILI 4 EPID 2												
						49.5	53.58	SILI 2 EPID 2SKRN 3												
53.58	54.1			Mafic Dike	fine-grained; shattered core	53.58	54.1	EPID 2 CLOR 2												
54.1	54.57			qtz-biotite-diorite	coarse-grained	54.1	54.57	SILI 3 EPID 2												
54.57	55.11			Mafic Dike	fine-grained	54.57	55.11	CLOR 3 EPID 2												
55.11	59.3			qtz-biotite-diorite	very altered; could be very altered plag porph; little bit of remnant texture visible	55.11	59.3	SILI 4 CLOR 2EPID 2								56	58	G0792510	highly silicifie	1.99
59.3	59.59	35	Sharp	Mafic Dike	fine-grained; could be dacite?; hbl- and plag-phyric	59.3	59.59	CLOR 1 EPID 1												
59.59	61.55			qtz-biotite-diorite	very altered; could be very altered plag porph; little bit of remnant texture visible	59.59	61.55	SILI 4 EPID 2CLOR 1												

Bore Hole	11-13B			North 5390828			Start 23/05/2011		az	314				Elev	480					
Logged By	Alexis Eapen and Kyle Karl			East 388725			End 26/05/2011		dip	-60				TD	356.62					
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
61.55	61.81			Mafic Dike	fine-grained; plag-phyric	61.55	61.81	CLOR 1												
61.81	62.7			qtz-biotite-diorite	very altered; moderately shattered core	61.81	62.7	SILI 4 EPID 2												
62.7	63.5			Plagioclase porphyry	very shattered core	62.7	63.5	CLOR 2												
63.5	67.32			qtz-biotite-diorite	coarse-grained; minor mafic dike clasts throughout	63.5	67.32	SILI 3 SKRN 2EPID 1												
67.32	68.11			Mafic Dike	fine-grained; very shattered core	67.32	68.11	EPID 2 CLOR 2												
68.11	93.16			qtz-biotite-diorite	coarse-grained; minor mafic dike clasts throughout	68.11	68.47	SILI 3 SKRN 2EPID 1												
						68.47	68.75	CLOR 1 EPID 2												
						68.75	70.1	SILI 3 SKRN 2EPID 1												
						70.1	71.85	SKRN 3 EPID 3SILI 2												
						71.85	75.29	SILI 2 EPID 2SKRN 2												
						75.29	76	SILI 3 SKRN 2EPID 2												
						76	76.56	SILI 4 SKRN 3												
						76.56	78	SKRN 4 SILI 3												
						78	82.05	SKRN 3 SILI 3												
						82.05	82.46	SKRN 4 SILI 3												
						82.46	93.16	SILI 3 SKRN 3												
93.16	95.71			Mafic Dike	fine-grained; plag-phyric	93.16	95.71	SKRN 2 CLOR 2												
95.71	96.09			Garnet-Pyroxene-Skarn		95.71	96.09	SKRN 5												
96.09	99.09			Mafic Dike	fine-grained; microgabbro?	96.09	99.09	CLOR 2 SKRN 1EPID 1												
99.09	100.79			Garnet-Pyroxene-Skarn	pyroxene>garnet; mostly pyroxene; some actinolite, minor epidote, scapolite	99.09	100.79	SKRN 5								99.09	100.79	G0792511	gt-px-skarn	6.89
100.79	106.94			qtz-biotite-diorite	coarse-grained; w/ minor mafic dike clasts throughout	100.79	101.93	SKRN 4												
						101.93	106.94	SKRN 2 SILI 3												
106.94	109.69			Mafic Dike	fine-grained	106.94	109.25	EPID 2 CLOR 2												
						109.25	109.44	SKRN 3 EPID 2CLOR 2												
						109.44	109.69	CLOR 2 SKRN 2EPID 2												
109.69	110.34			Garnet-Pyroxene-Skarn	pyroxene>>garnet; mostly pyroxene, minor garnet, actinolite, epidote, scapolite	109.69	110.34	SKRN 5												
110.34	110.76			Mafic Dike	fine-grained	110.34	110.76	SKRN 2 EPID 2CLOR 2												
110.76	111.12			Garnet-Pyroxene-Skarn	pyroxene>garnet; mostly pyroxene, minor garnet, epidote, scapolite	110.76	111.12	SKRN 5												
111.12	111.24			Mafic Dike	fine-grained	111.12	111.24	CLOR 1												

Bore Hole	11-13B			North 5390828		Start 23/05/2011			az 314					Elev 480						
Logged By	Alexis Eapen and Kyle Karl			East 388725		End 26/05/2011			dip -60					TD 356.62						
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
111.24	111.65			Garnet-Pyroxene-Skarn	pyroxene>>garnet; mostly pyroxene, minor garnet, scapolite, epidote	111.24	111.65	SKRN 5												
111.65	117.88			Mafic Dike	fine-grained; plag-phyric in some areas	111.65	113.58	CLOR 2 EPID 1SKRN 1												
						113.58	114.12	SKRN 4												
						114.12	117.88	SKRN 2 CLOR 1												
117.88	146.03			qtz-biotite-diorite	coarse-grained; grades to diorite in some areas; mafic dike clasts present throughout	117.88	118.72	CLOR 2 SKRN 2EPID 1								119	120	G0792512	skarned qtz-	4.81
						118.72	119.39	SKRN 4								120	121	G0792513	skarned qtz-	3.26
						119.39	123.65	SKRN 3 SILI 3								127.32	127.95	G0792514	very silicified	1.44
						123.65	125.21	SKRN 4 SILI 3												
						125.21	125.49	SKRN 2 SILI 3												
						125.49	125.68	CLOR 1												
						125.68	127.32	SKRN 2 SILI 3												
						127.32	127.95	SILI 4 EPID 2												
						127.95	130.16	SKRN 3 SILI 3												
						130.16	130.68	SKRN 4												
						130.68	136.29	SKRN 2 SILI 3EPID 2												
						136.29	137.16	EPID 3 TURM 3SILI 2												
						137.16	140.81	EPID 3 SILI 3												
						140.81	141.01	EPID 2 CLOR 2												
						141.01	146.03	EPID 3 SILI 3												
146.03	146.93			Mafic Dike	fine-grained	146.03	146.93	CLOR 2 EPID 1												
146.93	149.46			qtz-biotite-diorite	coarse-grained	146.93	149.46	SILI 3 SKRN 1EPID 2												
149.46	150.99			Mafic Dike	fine-grained; moderately shattered core	149.46	150.99	SKRN 3 CLOR 2EPID 2												
150.99	159.65			qtz-biotite-diorite	coarse-grained	150.99	151.23	SILI 4 EPID 2												
						151.23	152.55	SKRN 2 CLOR 2EPID 2												
						152.55	154.26	SKRN 3 SILI 3												
						154.26	156.19	SKRN 2 SILI 3												
						156.19	156.42	EPID 2 CLOR 2												
						156.42	157.25	SKRN 2 SILI 3												
						157.25	157.43	SKRN 1 CLOR 1												
						157.43	158.92	SKRN 2 SILI 3												
						158.92	159.16	EPID 1												
						159.16	159.65	SKRN 2 SILI 3												
159.65	160.25			Mafic Dike	fine-grained	159.65	160.25	CLOR 1												
160.25	160.73	20	Sharp	qtz-biotite-diorite	coarse-grained	160.25	160.73	EPID 2 SKRN 2SILI 3												
160.73	160.99			Mafic Dike	fine-grained; very altered; could be an altered qtz-biot-diorite?	160.73	160.99	SKRN 4 CLOR 2												
160.99	164.42			qtz-biotite-diorite	very altered; remnant texture still visible	160.99	164.42	EPID 2 SKRN 1												
164.42	166.46		irregular	Mafic Dike	fine-grained; moderately shattered core	164.42	166.46	CLOR 2 EPID 2SKRN 1								166	166.98	G0792515	mafic dike +	5.81
166.46	166.87			qtz-biotite-diorite	highly altered; brecciated	166.46	166.87	SKRN 3 SILI 3												
166.87	166.98			Mafic Dike	fine-grained	166.87	166.98	EPID 1 CLOR 2												

Bore Hole	11-13B				North 5390828			Start 23/05/2011		az 314				Elev 480						
Logged By	Alexis Eapen and Kyle Karl				East 388725			End 26/05/2011		dip -60				TD 356.62						
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
166.98	167.33			Magnetite-Skarn	mt + pyroxene-skarn	166.98	167.33	SKRN 5	166.98	167.33	0.8					166.98	167.33	G0792516	mt-skarn	29.4
167.33	167.64			Mafic Dike	fine-grained	167.33	167.64	SKRN 3 CLOR 3								167.33	169	G0792517	skarned qtz-l	8.34
																167.33	169	G0792540	skarned qtz-l	7.38
167.64	173.09			qtz-biotite-diorite	very altered	167.64	171.08	SKRN 3 CLOR 3								169	171	G0792518	skarned qtz-l	4.3
						171.08	173.09	SKRN 3 SILI 3								171	173.09	G0792519	skarned qtz-l	4.36
173.09	174.75			Mafic Dike	fine-grained; mt in fractures from 174.30 to 174.75m	173.09	173.51	SKRN 4 EPID 2								173.09	174.3	G0792520	mafic dike (o	6.88
						173.51	174.75	CLOR 3 EPID 2								174.3	174.75	G0792521	mafic dike w.	9.72
174.75	175.17			Magnetite-Skarn	mt + pyroxene-skarn	174.75	175.17	SKRN 5								174.75	176.48	G0792522	mass mt + n	43.6
175.17	175.7			Massive Magnetite	minor pyroxene; trace sulphides															
175.7	176.48			Magnetite-Skarn		175.7	176.48	SKRN 5												
176.48	177.6			Massive Magnetite	trace sulphides											176.48	177.6	G0792523	mass mt	49.6
177.6	178.86			Magnetite-Skarn		177.6	178.86	SKRN 5								177.6	178.86	G0792524	mt-skarn	22.1
178.86	179.62			Mafic Dike	fine-grained	178.86	179.62	SKRN 3 CLOR 2								178.86	179.9	G0792525	mt-skarn + n	31.2
179.62	179.9			Magnetite-Skarn		179.62	179.9	SKRN 5												
179.9	180.42			Massive Magnetite												179.9	181.17	G0792526	mass mt + n	36.4
180.42	180.96			Magnetite-Skarn		180.42	180.96	SKRN 5	180.42	180.96	1									
180.96	181.17			Mafic Dike	fine-grained; very shattered core	180.96	181.17	CLOR 4												
181.17	181.92			Massive Magnetite					181.17	181.92	0.5	0.3				181.17	183	G0792527	mt-skarn + n	42.6
																181.17	183	G0792549	mt-skarn + n	40.7
181.92	184.08			Magnetite-Skarn		181.92	184.08	SKRN 5	181.92	184.08	0.5	0.8				183	184.08	G0792528	mt-skarn	31.2
184.08	185.4			Massive Magnetite	`				184.08	185.93	1	0.4				184.08	185.4	G0792529	mass mt	55.2
185.4	185.65			Magnetite-Skarn		185.4	185.65	SKRN 5								185.4	185.93	G0792530	mt-skarn + n	47.3
185.65	185.93			Massive Magnetite																
185.93	187.89			Mafic Dike	fine-grained; minor mt in fractures	185.93	187.89	CLOR 3 SKRN 3								185.93	187.89	G0792531	mafic dike (ir	12.8
187.89	189.05			qtz-biotite-diorite	highly altered; brecciated and healed	187.89	189.05	EPID 2 SILI 4								187.89	189.29	G0792532	mafic dike (ir	2.6
189.05	189.29		irregular	Mafic Dike	fine-grained	189.05	189.29	CLOR 2 EPID 1												
189.29	190	35	Sharp	Marble												189.29	190	G0792533	marble (inter	1.67
190	190.58		irregular	Magnetite-Skarn		190	190.58	SKRN 5	190	190.58	10	0.3	10			190	190.58	G0792534	mt-skarn	44.7
190.58	193.33			Massive Magnetite					190.58	192	1	0.5	0.8			190.58	192	G0792535	mass mt	60
									192	193.33	2					192	193.33	G0792536	mass mt	59.9
193.33	194.22			Mafic Dike	fine-grained; plag-phyric	193.33	193.86	CLOR 1								193.33	194.25	G0792537	mafic dike (ir	10.15
						193.86	194.22	SKRN 3 CLOR 2												
194.22	194.42			Massive Magnetite					194.22	194.69	2	0.3	2			194.25	194.69	G0792538	mass mt + n	43.9
194.42	194.69			Magnetite-Skarn		194.42	194.69	SKRN 5												
194.69	203.25		irregular	Marble		197.74	197.9	SKRN 5								194.69	196	G0792539	marble (ore (	0.38
						200.3	200.52	CLOR 2												
203.25	203.93	70	Sharp	Mafic Dike	fine-grained	203.25	203.93	SKRN 3												
203.93	204.1		irregular	Marble																

Bore Hole	11-13B	North 5390828	Start 23/05/2011	az 314	Elev 480
Logged By	Alexis Eapen and Kyle Karl	East 388725	End 26/05/2011	dip -60	TD 356.62

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
204.1	204.97			micro-gabbro	moderately shattered	204.1	204.97	CLOR 2 EPID 2												
204.97	209.82	35	Sharp	Marble		206.38	206.47	CLOR 3												
209.82	210.14	35	Sharp	Mafic Dike	fine-grained; brecciated and healed	209.82	210.14	EPID 1 HEMT 1CLOR 3												
210.14	222.24	60	Sharp	Marble		214.5	214.66	CLOR 3												
222.24	222.68	35	Sharp	Mafic Dike	fine-grained	222.24	222.68	EPID 3 CLOR 2												
222.68	241.52		irregular	Marble		228.6	228.77	EPID 3 CLOR 3												
						232.41	232.51	CLOR 3 EPID 1												
						237.49	237.63	EPID 2 CLOR 2HEMT 1												
						240	240.04	CLOR 4												
241.52	242.53	35	Sharp	Mafic Dike	fine-grained; plag-phyric; almost prophyritic in some areas; moderately shattered core	241.52	242.53	CLOR 3												
242.53	243.31	40	Sharp	Marble																
243.31	245.77			Mafic Dike	fine-grained; moderately shattered core	243.31	245.77	SKRN 3 EPID 2CLOR 2												
245.77	265.91		irregular	Marble		259.16	259.26	CLOR 3 HEMT 1												
						264.39	264.59	EPID 4 SKRN 4												
265.91	267.14	55	Sharp	Mafic Dike	fine-grained; moderately shattered core	265.91	267.14	EPID 3 CLOR 2												
267.14	270.07			Marble																
270.07	270.56			Mafic Dike	fine-grained; very shattered core	270.07	270.56	CLOR 4 EPID 3												
270.56	290.4		irregular	Marble	brecciated; shattered core; from 277.06-277.46m: mafic dike running parallel to marble; 288.15-290.40m: not fizzing, not quartz (5 - 6 hardness) some gypsum present in fractures	274.89	275.01	CLOR 3 HEMT 1	287.16	287.31	3									
						280.51	280.77	HEMT 1 CLOR 4												
290.4	292.56	10	Sharp	Mafic Dike	fine-grained; moderately shattered core	290.4	292.56	EPID 3 CLOR 2												
292.56	301.34			Marble	292.56-296.25m: doesn't fizz; possibly silicified, but seems softer than quartz(anhydrite?); after 296.25m goes in and out of not fizzing	296.2	296.26	CLOR 3 EPID 2HEMT 1												
301.34	303.26	25	Sharp	Plagioclase porphyry		301.34	303.26	HEMT 1 CLOR 2EPID 2												
303.26	304.71		irregular	Marble	mostly doesn't fizz; quite hard; possibly silicified?															

Bore Hole	11-13B				North 5390828			Start 23/05/2011		az	314			Elev	480					
Logged By	Alexis Eapen and Kyle Karl				East 388725			End 26/05/2011		dip	-60			TD	356.62					
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
304.71	305.17	75	Sharp	Skarn		304.71	305.17	SKRN 5	304.71	305.17	4									
305.17	317.99		irregular	Marble	some areas don't fizz (silicfied and/or gypsum or anhydrite?)											317.94	318.32	G0792541	scapolite ska	4.16
317.99	318.32	70	Undulating	Skarn	mostly scapolite and some epidote	317.99	318.32	SKRN 5	317.99	318.32	2									
318.32	322.57		irregular	Marble		320.63	320.76	CLOR 3 EPID 1												
322.57	325.83	35	Sharp	Mafic Dike	fine-grained; moderately shattered core	322.57	325.83	CLOR 2 EPID 1												
325.83	329.67	70	irregular	Marble																
329.67	331.36	35	Undulating	Mafic Dike	fine-grained; very shattered core	329.67	331.36	CLOR 3 HEMT 1												
331.36	332.1	35	Sharp	Marble																
332.1	333.3	40	Undulating	Mafic Dike	fine-grained	332.1	333.3	HEMT 1 CLOR 2EPID 1												
333.3	352.53	35	irregular	Marble		334.66 336.55	334.79 336.81	CLOR 3 CLOR 4												
352.53	352.88	50	Sharp	Mafic Dike	fine-grained; very shattered core	352.53	352.88	CLOR 3												
352.88	356.62	30	Sharp	Marble																

Bore Hole	11-12B			North 5390828			Start 17/05/2011		az 295					Elev 480						
Logged By	Alexis Eapen and Kyle Karl			East 388725			End 23/05/2011		dip -50					TD 484.63						
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
0	6.1			Casing	made up of mafic dike and qtz-biot-diorite boulders															
6.1	18.43			qtz-biotite-diorite	coarse-grained; moderately shattered core	6.1	18.43	SILI 2 EPID 2												
18.43	19.5			Mafic Dike	fine-grained; very shattered core	18.43	19.5	CLOR 2												
19.5	24.78	45	irregular	Plagioclase porphyry	moderately shattered core	19.5	24.78	CLOR 2 EPID 1												
24.78	33.18			qtz-biotite-diorite	coarse-grained; shattered core	24.78	33.18	SILI 3 EPID 2												
33.18	33.53			Mafic Dike	fine-grained; very shattered core	33.18	33.53	CLOR 2 EPID 1												
33.53	40.9			qtz-biotite-diorite	coarse-grained	33.53	40.9	SILI 3 EPID 2												
40.9	41.25			Plagioclase porphyry		40.9	41.25	CLOR 3												
41.25	41.84			Mafic Dike	fine-grained	41.25	41.84	CLOR 1 EPID 1												
41.84	45.75			Plagioclase porphyry		41.84	45.75	CLOR 2 EPID 1												
45.75	48.45			qtz-biotite-diorite	coarse-grained	45.75	48.45	SILI 3 SKRN 1EPID 2												
48.45	54.55	45	Undulating	Plagioclase porphyry		48.45	54.55	EPID 2 CLOR 2												
54.55	56.26			qtz-biotite-diorite	very altered	54.55	56.26	SILI 4 SKRN 2EPID 2												
56.26	59			Mafic Dike	fine-grained; moderately shattered core	56.26	59	SKRN 1 CLOR 1												
59	60.45			Plagioclase porphyry		59	60.45	CLOR 2 EPID 1												
60.45	64.6			qtz-biotite-diorite	coarse-grained; very altered	60.45	64.6	SILI 4 SKRN 2EPID 2												
64.6	65.29			Mafic Dike	fine-grained; plag-phyric	64.6	65.29	SKRN 3 CLOR 1												
65.29	67.14			qtz-biotite-diorite	coarse-grained; very altered	65.29	67.14	SILI 4 SKRN 2												
67.14	67.96	60	Sharp	Mafic Dike	fine-grained	67.14	67.96	SKRN 1 CLOR 1												
67.96	69.11			qtz-biotite-diorite	coarse-grained	67.96	69.11	SILI 3 SKRN 2EPID 2												
69.11	70.14			Mafic Dike	fine-grained	69.11	70.14	EPID 2 CLOR 2												
70.14	70.3			qtz-biotite-diorite	coarse-grained	70.14	70.3	SILI 2 EPID 3												
70.3	71.1			Mafic Dike	dacite? Fine-grained	70.3	71.1	EPID 2 CLOR 1												
71.1	78.97			qtz-biotite-diorite	coarse-grained	71.1	74.3	EPID 2 SILI 2												
						74.3	75.35	SKRN 3 SILI 3EPID 2												
						75.35	78.97	SILI 3 SKRN 2EPID 2												
78.97	79.25			Mafic Dike	fine-grained; plag-phyric; very shattered core	78.97	79.25	CLOR 2 EPID 1												
79.25	92.48			qtz-biotite-diorite	coarse-grained	79.25	91.38	SILI 3 SKRN 2EPID 2												
						91.38	92.48	SKRN 3 SILI 3												

Bore Hole	11-12B			North 5390828			Start 17/05/2011		az	295				Elev	480					
Logged By	Alexis Eapen and Kyle Karl			East 388725			End 23/05/2011		dip	-50				TD	484.63					
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
92.48	92.8			Garnet-Pyroxene-Skarn	mostly garnet; some epidote	92.48	92.8	SKRN 5												
92.8	97.82			qtz-biotite-diorite	coarse-grained	92.8	97.82	SKRN 3 SILI 3												
97.82	98.64			Mafic Dike	fine-grained	97.82	98.64	SKRN 2 CLOR 1												
98.64	101.11			qtz-biotite-diorite	coarse-grained	98.64	101.11	SILI 3 SKRN 3												
101.11	102.38			Hbl Dacite	fine-grained	101.11	102.38	CLOR 1												
102.38	106.78			qtz-biotite-diorite	coarse-grained; minor mafic dike clasts present	102.38	106.78	SKRN 3 SILI 2												
106.78	109.85			Mafic Dike	fine-grained; plag-phyric; very shattered core	106.78	109.85	CLOR 1 EPID 2												
109.85	112.17			qtz-biotite-diorite	coarse-grained	109.85	112.17	SKRN 3 SILI 2												
112.17	112.26			micro-gabbro	fine-grained; speckled look	112.17	112.26	CLOR 1												
112.26	112.38			Garnet-Pyroxene-Skarn	garnetite	112.26	112.38	SKRN 5												
112.38	113.47			micro-gabbro	fine-grained; speckled look	112.38	113.47	CLOR 1 EPID 1												
113.47	119.35	30	Sharp	qtz-biotite-diorite	coarse-grained	113.47	118.12	SILI 3 SKRN 2EPID 2												
						118.12	119.35	SILI 3 SKRN 3												
119.35	120.48	25	Sharp	Mafic Dike	fine-grained; moderately magnetic	119.35	120.48	CLOR 2												
120.48	157.52			qtz-biotite-diorite	coarse-grained	120.48	139.59	SKRN 3 SILI 3EPID 2												
						139.59	143.96	SKRN 4 SILI 3												
						143.96	154.21	SKRN 3 SILI 3												
						154.21	154.46	EPID 2 CLOR 2												
						154.46	157.52	SKRN 3 SILI 3												
157.52	157.89			Mafic Dike	fine-grained	157.52	157.89	EPID 2 CLOR 1												
157.89	158.29			qtz-biotite-diorite	coarse-grained	157.89	158.29	SILI 2 SKRN 2												
158.29	158.73	80	Sharp	Mafic Dike	fine-grained; plag-phyric	158.29	158.73	CLOR 2 EPID 2												
158.73	167.34		irregular	qtz-biotite-diorite	coarse-grained; w/ some mafic dike clasts throughout	158.73	160.9	SILI 3 SKRN 2												
						160.9	164.59	SKRN 3 SILI 3												
						164.59	167.34	SKRN 1 SILI 4EPID 2												
167.34	168			Mafic Dike	fine-grained; foliated	167.34	168	CLOR 2 SKRN 1						167.8	foliation @ 40°	167.34	168.46	G0792435	foliated, mag	9.41
168	168.24			Garnet-Pyroxene-Skarn		168	168.24	SKRN 5	168	168.24	1.5									
168.24	168.34			Magnetite-Skarn	mafic dike protolith; ~30% mt	168.24	168.46	CLOR 3												
168.34	168.46			Mafic Dike	fine-grained															
168.46	175			qtz-biotite-diorite	very altered	168.46	175	EPID 2 SKRN 2SILI 4												
175	178.6			Skarn	lots of actinolite, minor garnet, epidote; mt in fracture at 176.35m	175	178.6	SKRN 5						176.4	mt in fracture					
178.6	178.85			Mafic Dike	fine-grained	178.6	178.85	CLOR 1												
178.85	179.26	70	Sharp	Skarn		178.85	179.26	SKRN 5												
179.26	180.23			Mafic Dike	fine-grained	179.26	180.23	CLOR 1 EPID 1												
180.23	181.21	35	Sharp	Skarn	mostly actinolite	180.23	181.21	SKRN 5												

Bore Hole	11-12B			North 5390828			Start 17/05/2011		az 295					Elev 480						
Logged By	Alexis Eapen and Kyle Karl			East 388725			End 23/05/2011		dip -50					TD 484.63						
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
181.21	182.4			qtz-biotite-diorite	coarse-grained; minor mafic dike fingers	181.21	182.4	SKRN 4 SILI 4												
182.4	184.54		irregular	Mafic Dike	fine-grained; plag-phyric	182.4	184.54	CLOR 1 EPID 1												
184.54	185.14			Skarn	mostly actinolite, some epidote, garnet	184.54	185.14	SKRN 5												
185.14	187.9			Mafic Dike	fine-grained; plag-phyric	185.14	187.9	CLOR 2 EPID 1												
187.9	189.2			Skarn		187.9	189.2	SKRN 5												
189.2	190.42			Mafic Dike	fine-grained	189.2	190.16	CLOR 3 SKRN 4												
						190.16	190.42	SKRN 2 EPID 2												
190.42	191.89			qtz-biotite-diorite	coarse-grained; w/ minor mafic dike clasts/irregular fingers	190.42	191.89	EPID 2 SKRN 2												
191.89	192.21	35	Sharp	Mafic Dike	fine-grained	191.89	192.21	CLOR 1												
192.21	193.62			qtz-biotite-diorite	coarse-grained; w/ mafic dike clasts throughout	192.21	193.62	SILI 3 SKRN 2												
193.62	194.85			Mafic Dike	fine-grained	193.62	194.85	EPID 2 CLOR 2												
194.85	202.4			qtz-biotite-diorite	coarse-grained; some areas have been completely shattered and subsequently compacted/healed together	194.85	196.85	SILI 3 SKRN 2												
						196.85	197.7	SILI 3 SKRN 3												
						197.7	198.58	SKRN 4												
						198.58	202.4	SILI 3 SKRN 3												
202.4	205.59			qtz-biotite-diorite	very altered	202.4	204.22	CLOR 2												
						204.22	205.59	SILI 5 SKRN 3TURM 3												
205.59	206.45			Plagioclase porphyry		205.59	206.45	CLOR 2												
206.45	216.66			qtz-biotite-diorite	can still see remnants of texture	206.45	216.66	SILI 4 SKRN 3												
216.66	225.14			Mafic Dike	possibly very altered qtz-biot-diorite?	216.66	225.14	SKRN 4 SILI 3								223	225.14	G0792436	skarned maf	4.72
225.14	226.04			Magnetite-Skarn	mt + pyroxene-skarn	225.14	226.04	SKRN 5								225.14	226.04	G0792437	mt-skarn	13.9
226.04	233.13			Mafic Dike	very altered	226.04	233.13	CLOR 2 SILI 3								226.04	228	G0792438	skarned maf	6.6
																228	230	G0792439	skarned maf	4.13
																230	232	G0792440	skarned maf	3.18
																232	233.13	G0792441	skarned maf	6.52
233.13	237			Magnetite-Skarn	mt + pyroxene-skarn	233.13	237	SKRN 5								233.13	235	G0792442	mt-skarn	21.3
																235	237	G0792443	mt-skarn	21.5
237	238.63			Mafic Dike	fine-grained; w/ minor mt in fractures	237	238.63	SKRN 3 EPID 3	237	238.63	1.5					237	238.63	G0792444	mafic dike w	12.5
238.63	239.1			Magnetite-Skarn	mt + pyroxene-skarn	238.63	239.1	SKRN 3 EPID 2	238.63	239.1	2					238.63	239.41	G0792445	mt-skarn & s	13.1
239.1	239.41			Mafic Dike	fine-grained; w/ minor mt in fractures	239.1	239.41	SKRN 3 CLOR 2EPID 2												
239.41	239.71			Magnetite-Skarn	mt + pyrxoene-skarn	239.41	239.71	SKRN 4 EPID 2CLOR 2	239.41	239.71	1.5					239.41	241.56	G0792446	mt-skarn & s	19.35
239.71	240.22			Mafic Dike	fine-grained	239.71	240.22	SKRN 2 CLOR 2EPID 2												
240.22	241.51			Magnetite-Skarn	mt + pyroxene-skarn	240.22	241.51	SKRN 4 EPID 2CLOR 2	240.22	241.51	1.5									
241.51	242.56			Mafic Dike	fine-grained	241.51	242.56	CLOR 2 CARB 2								241.56	242.86	G0792448	mafic dike &	10.45

Bore Hole	11-12B			North 5390828			Start 17/05/2011		az	295			Elev	480						
Logged By	Alexis Eapen and Kyle Karl			East 388725			End 23/05/2011		dip	-50			TD	484.63						
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
242.56	242.86			Magnetite-Skarn	mt + garnet-pyroxene-skarn	242.56	242.86	SKRN 5	242.56	242.86	2									
242.86	244.9			Mafic Dike	fine-grained; plag-phyric; w/ minor mt in fractures	242.86	244.9	SKRN 2 EPID 2CLOR 2								242.86	244.9	G0792449	plag-phyric n	5.85
244.9	245.51			Magnetite-Skarn	mt + pyroxene-skarn	244.9	245.51	SKRN 5	244.9	245.51	3		3			244.9	245.51	G0792450	mt-skarn	36.7
245.51	245.91			Mafic Dike	fine-grained	245.51	245.91	SKRN 4 CLOR 2								245.51	245.91	G0792451	mafic dike (ir	10.7
245.91	246.87			Magnetite-Skarn	mt + pyroxene-skarn	245.91	246.87	SKRN 5	245.91	246.87	3		10			245.91	246.87	G0792452	mt-skarn	25.5
246.87	251.2			Massive Magnetite	~15-20% pyroxene				246.87	249	2		3			246.87	249	G0792453	mass mt	47.3
									249	251.2	1.5		3.5			249	251.2	G0792454	mass mt; Du	57.2
																249	251.2	G0792466	mass mt; Du	58.6
251.2	252.03			Magnetite-Skarn	mt + pyroxene-skarn	251.2	252.03	SKRN 5	251.2	252.03	1.5	0.5	1			251.2	252.03	G0792455	mt-skarn	33.8
252.03	258.37			Massive Magnetite					252.03	254	1.5	0.4	2.5			252.03	254	G0792456	mass mt	55.5
									254	256	2	0.3	1			254	256	G0792457	mass mt	59.3
									256	257	2					256	257	G0792458	mass mt	58.3
									257	258.37	3					257	258.37	G0792459	mass mt	53.6
258.37	258.79			Magnetite-Skarn	~20-25%mt; disseminated mt in marble											258.37	259.54	G0792460	mass mt + n	34.6
258.79	259.09			Massive Magnetite					258.79	259.09	3									
259.09	259.54			Magnetite-Skarn	disseminated mt in marble; minor 8cm mass mt bleb at 259.25m.															
259.54	263			Massive Magnetite					259.54	261	4		3			259.54	261	G0792461	mass mt	50.7
									261	263	2		4			261	263	G0792462	mass mt; Du	55.1
																261	263	G0792486	mass mt; Du	59.4
263	265.23			Magnetite-Skarn	stringer/disseminated mt in marble				263	264	1.5		4			263	264	G0792463	mt-skarn	44.4
									264	265.23	1.5	0.4	2			264	265.23	G0792464	mt-skarn	38.6
265.23	265.62			Massive Magnetite					265.23	265.62	2		4			265.23	265.62	G0792465	mass mt	49.1
265.62	265.91			Mafic Dike	fine-grained; very shattered core	265.62	265.91	CLOR 3 EPID 2								265.62	267.53	G0792467	marble & ma	4.31
265.91	267.53		irregular	Marble	minort mt bleb at 266.38-266.41m.															
267.53	268.54			Magnetite-Skarn	disseminated mt + mass mt blebs in marble				267.53	268.54	1					267.53	268.54	G0792468	mt-skarn	12.7
268.54	269.19			Marble	disseminated mt at bottom contact											268.54	269.19	G0792469	marble	11.4
269.19	271			Massive Magnetite	minor marble present				269.19	271	1					269.19	271	G0792470	mass mt	60.4
271	271.14			Magnetite-Skarn	disseminated mt in marble											271	272.38	G0792471	mass mt & n	48.4
271.14	271.69			Massive Magnetite	minor marble present				271.14	271.69	1.5									

Bore Hole	11-12B				North 5390828			Start 17/05/2011	az	295				Elev	480					
Logged By	Alexis Eapen and Kyle Karl				East 388725			End 23/05/2011	dip	-50				TD	484.63					
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
271.69	272.38			Magnetite-Skarn	disseminated mt in marble; minor mass mt blebs present				271.69	272.38	2									
272.38	275.2			Marble												272.38 274	274 275.2	G0792472 G0792473	marble marble	2.44 5.53
275.2	275.86			Magnetite-Skarn	some mass mt blebs + disseminated mt in marble				275.2	275.86	2.5					275.2	275.86	G0792474	mt-skarn	43.4
275.86	277.19			Marble	minor mt bleb at 276.40-276.55m.											275.86	277.36	G0792475	marble	5.71
277.19	277.36			Magnetite-Skarn	mt + pyroxene skarn	277.19	277.36	SKRN 5	277.19	277.36	4									
277.36	281			Plagioclase porphyry	very shattered core	277.36	281	CLOR 3 EPID 2								277.36	279	G0792476	plag-porph ((	6.59
281	284.65			Mafic Dike	fine-grained; plag-phyric	281	284.65	CLOR 2 EPID 2												
284.65	284.89			Marble																
284.89	285.57			Mafic Dike	fine-grained; very shattered core	284.89	285.57	CLOR 3												
285.57	286.99		irregular	Marble												285.57	286.99	G0792477	marble (ore (	0.63
286.99	287.79			Magnetite-Skarn	disseminated/stringer mt in marble				286.99	287.79	1					286.99	287.79	G0792478	mt-skarn	13.45
287.79	289.16			Marble	minor mt bleb at 287.95-288.03m.											287.79	289.16	G0792479	marble (inter	0.33
289.16	289.5			Magnetite-Skarn	disseminated mt in marble											289.16	289.56	G0792480	mt-skarn	14.65
289.5	291.17			Massive Magnetite	~60%mt; marble present				289.5	291.17	0.8		1			289.56	291.17	G0792481	mass mt	44.8
291.17	292.19			Mafic Dike	fine-grained; moderately shattered core	291.17	292.19	CLOR 3 EPID 2								291.17	292.19	G0792482	mafic dike (ir	9.38
292.19	292.44			Massive Magnetite					292.19	292.44	1	0.3	1			292.19	292.81	G0792483	mass mt & n	42.1
292.44	292.81			Magnetite-Skarn	disseminated mt in marble				292.44	292.81	0.5		0.8							
292.81	293.26			Marble	minor mt in fractures											292.81	293.26	G0792484	marble w/ mi	1.24
293.26	294.23			Massive Magnetite	minor marble present; ~65% mt				293.26	294.23	0.8		4			293.26	294.23	G0792485	mass mt	47.7
294.23	294.34			Marble												294.23	295	G0792487	marble & ma	8.25
294.34	295			Mafic Dike	fine-grained; very shattered core	294.34	295	SKRN 3 CLOR 3												
295	296.16			Massive Magnetite	minor marble present; ~70%mt				295	296.16			3.5			295	296.16	G0792488	mass mt	54.5
296.16	296.66			Marble	minor mt in fractures											296.16	296.66	G0792489	marble	16.2
296.66	297.55			Magnetite-Skarn	mt + marble				296.66	297.55		0.3	0.5			296.66	297.55	G0792490	mt-skarn	39.7
297.55	298.48			Massive Magnetite	minor marble present; ~65%mt				297.55	298.48	2		2			297.55	298.48	G0792491	mass mt	53.1
298.48	305.07			Marble	minor mt in fractures											298.48 300	300 301	G0792492 G0792493	marble w/ mi marble (ore (	3 1.15
305.07	308.86	40	Sharp	Plagioclase porphyry	minor mt in fractures and at bottom contact	305.07	308.86	CLOR 2 EPID 2HEMT 2												
308.86	325.75		irregular	Marble	organic matter bands;	308.86	325.75	CLOR 1												

Bore Hole	11-12B		North 5390828				Start 17/05/2011		az	295				Elev	480					
Logged By	Alexis Eapen and Kyle Karl		East 388725				End 23/05/2011		dip	-50				TD	484.63					
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
325.75	327.04	55	Sharp	Mafic Dike	moderately shattered; garnet, pyroxene present	325.75	327.04	SKRN 3 CLOR 2						326.4	7cm marble clast					
327.04	327.84	90	Sharp	Marble																
327.84	329.91		Undulating	Mafic Dike	highly skarned w/ minor marble clasts	327.84	329.91	SKRN 4 EPID 2	327.84	329.91	2					328.14	329.41	G0792495	mafic dike w	5.35
329.91	338.42		irregular	Marble	some organic matter bands present															
338.42	338.5	35	Undulating	Massive Sulphide	massive pyrrhotite; w/ minor mt blebs				338.42	338.5			95			338.42	339	G0792494	massive pyri	14.55
338.5	339		Undulating	Mafic Dike	fine-grained, highly skarned	338.5	339	SKRN 4 CLOR 2HEMT 1												
339	340.6	40	Undulating	Marble																
340.6	341.22	8	Sharp	Mafic Dike	fine-grained; moderately shattered core	340.6	341.22	EPID 2 CLOR 2												
341.22	343.09	8	Sharp	Marble	some organic matter bands present															
343.09	344.05		Undulating	Mafic Dike		343.09	344.05	SKRN 3 CLOR 2												
344.05	360.92	50	Sharp	Marble	some organic matter bands present; some gypsum in fractures	349.9	349.95	EPID 4 CLOR 2SILI 2						359.8	2cm gypsum lens					
360.92	361.17	55	Sharp	Mafic Dike	fine-grained	360.92	361.17	EPID 3 SILI 2												
361.17	374.3	45	irregular	Marble	minor gypsum in fractures; organic matter in fractures and blebs	362.54	362.57	CLOR 2												
374.3	374.79	40	Undulating	Mafic Dike	brecciated	374.3	374.79	CLOR 3												
374.79	375.28		irregular	Marble	minor gypsum in fractures; slightly vuggy															
375.28	376	30	Undulating	Mafic Dike	brecciated; shattered near contacts	375.28	376	CLOR 4 SKRN 3EPID 3												
376	377.22	70	irregular	Marble		376.1	376.16	CLOR 4												
377.22	378.77	70	irregular	Mafic Dike	brecciated; moderately shattered core	377.22	378.77	SKRN 3												
378.77	379.9	30	Undulating	Marble																
379.9	383.3	5	Undulating	Skarn	minor shearing; brecciated; moderately shattered core; minor marble fingers	379.9	383.3	SKRN 5 CLOR 3	379.9	383.3	2					379.9 382	382 383.3	G0792496 G0792497	sheared ska sheared ska	6 5.23
383.3	388.02	6	Undulating	Marble	very minor organic matter bands; minor gypsum in fractures															
388.02	388.36	47	Undulating	Mafic Dike	brecciated	388.02	388.36	SKRN 3 CLOR 3												
388.36	403.08	45	irregular	Marble	cleaner' marble	390.46 393.18 399.4 399.65 399.82 401.62	390.49 393.4 399.41 399.78 399.86 401.63	CLOR 3 SKRN 3 CLOR 2 CLOR 3 CLOR 2 CLOR 3												
403.08	407.54		Undulating	Mafic Dike	fine-grained	403.08	407.54	EPID 2 CLOR 2SKRN 3	403.08	407.54	2					403.27 405	405 407.54	G0792499 G0792500	skarned maf skarned maf	5.78 5.48

Bore Hole	11-12B	North	5390828	Start	17/05/2011	az	295	Elev	480
Logged By	Alexis Eapen and Kyle Karl	East	388725	End	23/05/2011	dip	-50	TD	484.63

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
407.54	408.36		irregular	Marble																
408.36	409.38		irregular	Skarn		408.36	409.38	EPID 2 CLOR 2	408.36	409.38	3					408.36	409.38	G0792498	skarn	4.72
409.38	410.5		irregular	Marble	minor organic matter bands															
410.5	411.28	30	irregular	Mafic Dike	fine-grained	410.5	411.28	CLOR 2 SKRN 2												
411.28	413.06		irregular	Marble	organic matter bands throughout															
413.06	414.45	55	irregular	Skarn	w/ minor marble	413.06	414.45	SKRN 3 CLOR 2	413.06	414.45	2									
414.45	415.88		Undulating	Mafic Dike	shattered core	414.45	415.88	CLOR 4 EPID 2												
415.88	417.98	45	irregular	Marble																
417.98	419.13	40	irregular	Mafic Dike	shattered core	417.98	419.13	EPID 3 SKRN 3CLOR 2	417.98	421.46	2					417.98	419.13	G0792501	skarned maf	5.69
419.13	426.58		irregular	Skarn	moderately shattered core;	419.13	426.58	SKRN 5 CLOR 2	421.46	426.58	3					419.13	421.46	G0792502	skarn	5.53
																421.66	424	G0792503	highly altere	5.18
																424	426.5	G0792504	highly altere	5.29
426.58	426.78			Marble																
426.78	427.49	37	irregular	Marble	w/ minor organic matter bands	427.44	429.26	SKRN 5												
427.49	429.26	65	irregular	Skarn	some gouge; brecciated; compacted, partially healed; fault breccia											427.49	429.26	G0792505	skarn	5.88
429.26	432.55	70	irregular	Marble	vuggy															
432.55	435	8	Sharp	Mafic Dike	moderately shattered core; minor brecciation present	432.55	435	CLOR 3 EPID 2												
435	436.82		Undulating	Marble	lots of organic matter; lots of vugs															
436.82	440.17		Undulating	Mafic Dike	shattered core	436.82	440.17	SKRN 3 SILI 2TALC 2								436.82	440.17	G0792506	skarned maf	5.75
440.17	442.73		Undulating	Marble	lots of organic matter; lots of vugs															
442.73	443.33	22	irregular	Mafic Dike	shattered core	442.73	443.33	SKRN 2 EPID 2CLOR 3								442.73	443.33	G0792507	skarned maf	5.95
443.33	454.14		Undulating	Marble	lots of organic matter; lots of vugs															
454.14	454.81	53	Undulating	Mafic Dike	minor marble clasts; some gougey areas	454.14	454.81	CLOR 3 SKRN 3								454.14	454.81	G0792508	mafic dike w	5.03
454.81	460.96	60	Undulating	Marble	minor organic matter	454.9	454.91	SKRN 2 CLOR 2												
						454.98	454.99	CLOR 3												
						459.62	459.67	CLOR 2												
						460.15	460.38	CLOR 3												
460.96	462.38		Undulating	Mafic Dike	shattered core	460.96	462.38	CLOR 3 SKRN 3								460.96	462.38	G0792509	skarned maf	5.87
462.38	478.41	35	Sharp	Marble	minor organic matter bands	469.78	469.8	CLOR 3												
						469.93	469.95	CLOR 3												
478.41	478.88	25	irregular	Mafic Dike	shattered core	478.41	478.88	CLOR 3												
478.88	484.63	35	Undulating	Marble	lots of vugs; minor organic matter															

Bore Hole	11-11B		North 5390828		Start 14/05/2011		az	295		Elev	480
Logged By	Alexis Eapen and Kyle Karl		East 388725		End 17/05/2011		dip	-65		TD	361.49

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
0	5.88			Casing	made up mostly of mafic dike boulders, rare qtz-biot-diorite boulders															
5.88	8.69			qtz-biotite-diorite	coarse-grained; shattered core	5.88	8.69	SILI 2 EPID 2												
8.69	9.76			Plagioclase porphyry	sub-equant plag phenos; very shattered core	8.69	9.76	CLOR 1 EPID 2												
9.76	10.86			Mafic Dike	fine-grained; very shattered core	9.76	10.86	CLOR 1 EPID 1												
10.86	13.38			Plagioclase porphyry	very shattered core; sub-equant plag phenos	10.86	13.38	CLOR 1 EPID 2												
13.38	14.19			qtz-biotite-diorite	coarse-grained; w/ minor mafic dike clasts; shattered core	13.38	14.19	EPID 2 SKRN 1												
14.19	15.24			dacite	hornblende-feldspar-dacite; weakly magnetic	14.19	15.24	EPID 1 CLOR 1												
15.24	81.66			qtz-biotite-diorite	corase-grained; moderately shattered core	15.24	41	SILI 2 CLOR 1EPID 2												
						41	54.86	SILI 3 SKRN 2CLOR 1												
						54.86	71	SILI 3 SKRN 3												
						71	75.42	SILI 4 SKRN 2CLOR 2												
						75.42	81.66	SKRN 2 SILI 3CLOR 2												
81.66	86.87			Basalt	fault zone; probably completely shattered then partially healed; completely chloritzed	81.66	86.87	CLOR 5								84	86	G0791986	sheared bas	4.59
86.87	89.22			qtz-biotite-diorite	very altered; hard to tell lithology; completely brecciated; partially healed; fault zone	86.87	89.22	SILI 3 EPID 2SKRN 4								88	89	G0791987	highly silicifie	3.39
89.22	94.33			Basalt	very altered; lots of movement; looks sheared	89.22	94.33	SKRN 3 CLOR 3EPID 3												
94.33	141.26			qtz-biotite-diorite	very altered; hard to tell what the protolith is; moderately shattered core	94.33	103.49	SKRN 2 EPID 2								112.13	113.32	G0791988	highly silicifie	1.13
						103.49	104.86	SILI 2 EPID 2												
						104.86	112.13	SKRN 4 SILI 3												
						112.13	141.26	SKRN 2 SILI 4												
141.26	141.71	45	Undulating	Mafic Dike	fine-grained	141.26	141.71	EPID 1 CLOR 1												
141.71	162.2			qtz-biotite-diorite	coarse-grained	141.71	151.56	SILI 3 EPID 2CLOR 3												
						151.56	152.08	SILI 3 SKRN 3												
						152.08	158.76	SILI 3 SKRN 2												

Bore Hole	11-11B	North 5390828	Start 14/05/2011	az	295	Elev	480
Logged By	Alexis Eapen and Kyle Karl	East 388725	End 17/05/2011	dip	-65	TD	361.49

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
						158.76	160.97	SILI 3 SKRN 3												
						160.97	162.2	CLOR 2 SKRN 3												
162.2	163.12			Mafic Dike	fine-grained; plag-phyric	162.2	163.12	CLOR 2 EPID 1												
163.12	163.27			Massive Magnetite	very shattered core															
163.27	166.71			Skarn		163.27	166.71	SKRN 5	163.27	167.27	2									
166.71	167.27			Massive Magnetite																
167.27	181.04			qtz-biotite-diorite	medium- to coarse-grained; finer grained near top contact	167.27	169.52	EPID 3 CLOR 1								180	181.32	G0791989	qtz-biot-diorit	3.44
						169.52	180.61	SILI 2 EPID 2CLOR 1												
						180.61	181.04	SILI 5 SKRN 4												
181.04	181.32			Skarn		181.04	181.6	SKRN 5												
181.32	181.6			Magnetite-Skarn	mt + pyroxene skarn											181.32	183	G0791990	mass mt + m	45.4
181.6	182.04			Massive Magnetite					181.6	182.04	3		1							
182.04	182.17			Magnetite-Skarn		182.04	182.17	SKRN 5	182.04	182.17	4									
182.17	199.82			Massive Magnetite		193.73	193.83	CLOR 3 SKRN 3	182.17	183	3		1			183	185	G0791992	mass mt	61.7
						194.14	194.38	SKRN 4 CLOR 3	183	185	1.5		4			185	187	G0791993	mass mt	62.9
									185	187	2	0.5	10			187	189	G0791994	mass mt	59
									187	189	2	0.5	4			189	191	G0791995	mass mt	61.5
									189	191	1		4			191	193	G0791996	mass mt	62.5
									191	193	1.5		4			193	195	G0791997	mass mt + m	54.3
									193	195	0.5		2			195	197	G0791998	mass mt	64.2
									195	197	0.5		3			197	199	G0791999	mass mt	60.6
									197	199	2	4				199	199.82	G0792000	mass mt	57.5
									199	199.82	1		5							
199.82	200.53			Skarn	mostly light green pyroxene; mt blebs at bottom contact with marble	199.82	200.53	SKRN 5								199.82	200.53	G0792401	skarn	5.33
200.53	207.88			Marble												200.53	201	G0792402	marble (ore c	8.16
207.88	208.4			Mafic Dike	fine-grained; brecciated, healed; minor marble clasts present	207.88	208.4	SKRN 3												
208.4	214.97	20	Sharp	Marble																
214.97	215.12			Mafic Dike	fine-grained; mt in fractures and near both contacts	214.97	215.12	SKRN 4 HEMT 1												
215.12	218.78			Marble																
218.78	224.8	45	Undulating	Plagioclase porphyry		218.78	224.24	CLOR 2 EPID 2												
						224.24	224.8	SKRN 4 EPID 4												
224.8	230.73	70	Undulating	Marble																
230.73	231.29	60	Undulating	Garnet-Pyroxene-Skarn	quite silicified	230.73	231.29	SKRN 5 SILI 4												
231.29	231.4			Mafic Dike	fine-grained	231.29	231.4	SKRN 2 EPID 2CLOR 2												
231.4	232.2	35	Undulating	Marble																

Bore Hole	11-11B	North 5390828	Start 14/05/2011	az 295	Elev 480
Logged By	Alexis Eapen and Kyle Karl	East 388725	End 17/05/2011	dip -65	TD 361.49

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
232.2	233.13	45	Undulating	Plagioclase porphyry		232.2	233.13	SILI 4 EPID 2												
233.13	235.12	30	Undulating	Marble																
235.12	239.84	65	Sharp	Plagioclase porphyry		235.12	239.84	SILI 4 EPID 2SKRN 1												
239.84	241.68			Marble		241.25	241.34	EPID 4												
241.68	242.19	50	Undulating	Skarn	mostly garnet, scapolite, epidote; minor marble clasts present	241.68	242.19	SKRN 5												
242.19	254.82	70	Undulating	Marble		244.14	244.25	CLOR 2 EPID 2								254	254.82	G0792403	marble (ore	2.54
						247.06	247.32	CLOR 2 EPID 1SKRN 1												
254.82	255.67			Magnetite-Skarn	disseminated/stringer mt + pyroxene skarn	254.82	255.67	SKRN 5	254.82	255.67	2					254.82	256.86	G0792404	mt-skarn + v	25.8
255.67	255.78			Marble																
255.78	256.86	35	Undulating	Magnetite-Skarn	disseminated mt + pyroxene skarn	255.78	256.86	SKRN 5	255.78	256.86	1.5									
256.86	258.58			Massive Magnetite		257.5	257.66	CLOR 4 SKRN 4	256.86	258	2		4			256.86	258	G0792405	mass mt + m	47.2
									258	258.58	0.8	0.5	3			258	259	G0792406	mass mt + m	48.8
																258	259	G0792425	mass mt + m	44.8
258.58	259			Mafic Dike	fine-grained; shattered core	258.58	259	SKRN 3 CLOR 3												
259	264.38			Massive Magnetite		263.88	263.94	SKRN 4	259	261	2.5		4			259	261	G0792407	mass mt	60.4
									261	263	1	0.5	7			261	263	G0792408	mass mt	61.1
									263	264.87	2		2			263	265	G0792409	mass mt	53.9
264.38	264.87			Mafic Dike	fine-grained; shattered core	264.38	264.87	SKRN 3 CLOR 4												
264.87	267.76			Massive Magnetite					264.87	267	2	0.5	6			265	267	G0792410	mass mt	61.8
									267	267.76	0.8	0.3	5			267	267.76	G0792411	mass mt	64.5
267.76	268.09			Mafic Dike	brittle fault; very shattered core, compressed together; partial heal	267.76	268.09	CLOR 4								267.76	268.09	G0792412	faulted conta	14.8
268.09	268.73		irregular	Marble		268.48	268.6	EPID 4 SKRN 4								268.09	268.98	G0792413	marble + ma	3.82
268.73	269.46	15	Undulating	Mafic Dike	brecciated	268.73	269.46	SKRN 3 EPID 3CLOR 2	268.73	269.46	4					268.98	269.46	G0792414	skarned maf	7.79
269.46	270.83			Massive Magnetite					269.46	270.83	3	0.3	3			269.46	270.83	G0792415	mass mt	56
270.83	272.23	35	irregular	Marble												270.83	272.23	G0792416	marble (inter	2.76
272.23	272.46			Magnetite-Skarn	~25% disseminated mt in marble											272.23	272.54	G0792417	marble w/ di	24.7
272.46	272.54	65	Sharp	Massive Magnetite																
272.54	272.9			Mafic Dike	fine-grained; some gougey areas; mostly shattered core	272.54	272.9	CLOR 4								272.54	272.9	G0792418	mafic dike (ir	17.7
272.9	277.05			Massive Magnetite					272.9	275	0.8	0.8	2			272.9	275	G0792419	mass mt	58.7
									275	277.05	2	0.3	1.5			275	277.05	G0792420	mass mt	60.6
277.05	285.72		irregular	Marble												277.05	278	G0792421	marble (ore	1.16

Bore Hole	11-11B	North 5390828	Start 14/05/2011	az 295	Elev 480
Logged By	Alexis Eapen and Kyle Karl	East 388725	End 17/05/2011	dip -65	TD 361.49

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
285.72	286.27	40	Sharp	Skarn	core shatteres apart easily	285.72	286.27	SKRN 5 CLOR 4												
286.27	288.79	26	Undulating	Marble		286.5	286.64	CLOR 4 SKRN 3								288.52	290.22	G0792447	mt + marble;	11.3
						288.52	288.62	CLOR 4 SKRN 3								288.52	290.22	G0792422	mt + marble;	13.85
288.79	289.19		irregular	Massive Magnetite					288.79	289.19	8									
289.19	290.22	35	Undulating	Marble										289.6	2cm mt vein @ 35°					
290.22	292.41			Basalt	shear zone: completely sheared; w/ augened marble clasts throughout	290.22	292.41	CLOR 5								290.22	292.41	G0792423	shear zone (	11.35
292.41	295.62	20	Sharp	Massive Magnetite					292.41	294	2	0.4	2			292.41	294	G0792424	mass mt	55
									294	295.62	4		4			294	295.62	G0792426	mass mt	55.8
295.62	295.92			Skarn	mostly lighter green pyroxene	295.62	295.92	SKRN 5	295.62	295.92	0.5					295.62	296.89	G0792427	skarn (inter-(	14.95
295.92	296.89			Mafic Dike	or basalt? fine-grained	295.92	296.89	SKRN 3 CLOR 2												
296.89	301.68			Massive Magnetite					296.89	299	1.5	0.2	0.5			296.89	299	G0792428	mass mt	60.1
									299	301.68	1	0.8	2			299	300	G0792429	mass mt	55.1
																300	301.68	G0792430	mass mt	56.8
301.68	301.96			Magnetite-Skarn	mt + pyroxene-skarn	301.68	310.2	SKRN 5	301.68	301.96	4	1	1			301.68	301.96	G0792431	mt-skarn	32
301.96	310.2			Garnet-Pyroxene-Skarn	garnet>pyroxene											301.96	303.08	G0792432	skarn (ore er	15.1
310.2	312.29			Basalt	fine-grained	310.2	312.29	CLOR 2 SKRN 3												
312.29	315.24	60	Undulating	Skarn	mostly epidote, scapolite, pyroxene, minor garnet	312.29	315.24	SKRN 5								312.29	314	G0792433	skarn	9.92
315.24	361.49			Basalt	fine-grained; amygdules present; core is weakly to moderately magnetic 329.0-361.49m	315.24	319	SKRN 3	315.24	320.4	2					343	345	G0792434	magnetic ba:	9.1
						319	361.49	SKRN 1 CLOR 2EPID 2												

Bore Hole	11-10B	North	5390828	Start	05/12/2011	az	250	Elev	480
Logged By	Alexis Eapen and Kyle Karl	East	388725	End	14/05/2011	dip	-70	TD	283.46

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
0	5.9			Casing	very little casing, few qtz biot-diorite boulders															
5.9	6.1			qtz-biotite-diorite	coarse-graned	5.9	6.1	EPID 1 SILI 2												
6.1	6.95			Mafic Dike	fine-grained; shattered core	6.1	6.95	CLOR 1												
6.95	10			qtz-biotite-diorite	coarse-grained; w/ minor mafic dike clasts; moderately shattered core	6.95	10	SILI 3 EPID 2												
10	12.61			Plagioclase porphyry	moderately shattered core	10	12.61	EPID 2 CLOR 2												
12.61	14.47			qtz-biotite-diorite	corase-grained; minor mafic dike clasts present	12.61	14.47	SILI 4 EPID 2												
14.47	16.31			dacite	hornblende-feldspar-dacite? Fine-grained; lighter grey colour than usual	14.47	16.31	EPID 2 CLOR 1												
16.31	36.87			qtz-biotite-diorite	coarse-grained;Minor mafic dike clasts present	16.31	36.87	SILI 3 SKRN 1EPID 2												
36.87	37.98			Plagioclase porphyry	possibly plag phyric dacite?															
37.98	57.02			qtz-biotite-diorite	coarse-grained	37.98	41.71	SILI 3 EPID 1												
						41.71	43.83	SKRN 3 SILI 3												
						43.83	57.02	EPID 2 SILI 2SKRN 1												
57.02	57.43			Mafic Dike	fine-grained; plag-phyric	57.02	57.43	EPID 2 CLOR 1												
57.43	70.25			qtz-biotite-diorite	coarse-grained	57.43	69.15	SKRN 2 SILI 2												
						69.15	70.25	SKRN 3												
70.25	74			Mafic Dike	fine-grained; moderately shattered core	70.25	74	SKRN 1 EPID 2CLOR 2												
74	80.69			qtz-biotite-diorite	highly altered	74	79.16	SILI 4 SKRN 3TURM 3												
						79.16	80.69	SILI 3 SKRN 2												
80.69	81.51			Mafic Dike	fine-grained	80.69	81.51	CLOR 2 EPID 2												
81.51	93.31			qtz-biotite-diorite	coarse-grained	81.51	93.31	SILI 3 SKRN 2EPID 2												
93.31	94.2			Mafic Dike	fine-grained	93.31	94.2	CLOR 2												
94.2	94.49		irregular	qtz-biotite-diorite	coarse-grained	94.2	94.49	SILI 3 SKRN 1												
94.49	96.2			Mafic Dike	fine-grained	94.49	96.2	CLOR 2												
96.2	96.87			qtz-biotite-diorite	coarse-grained	96.2	96.87	SILI 4 EPID 1												
96.87	98.2			Mafic Dike	fine-grained	96.87	98.2	CLOR 2												
98.2	99.9	40	irregular	qtz-biotite-diorite	coarse-grained	98.2	99.9	SKRN 2 SILI 3												
99.9	100.68		irregular	Skarn	qtz-biot-diorite protolith; gt>px	99.9	100.68	SKRN 5												
100.68	101.69			Mafic Dike	fine-grained	100.68	101.69	EPID 2 CLOR 2												

Bore Hole	11-10B	North 5390828	Start	05/12/2011	az	250	Elev	480
Logged By	Alexis Eapen and Kyle Karl	East 388725	End 14/05/2011		dip	-70	TD	283.46

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
101.69	103.96			Skarn	qtz-biot-diorite protolith	101.69	103.96	SKRN 5												
103.96	104.3			Mafic Dike	fine-grained; plag-phyric	103.96	104.3	EPID 3 CLOR 2												
104.3	112.03			Skarn	gt>pyx; qtz-biot-diorite protolith; w/ minor mafic dike clasts/irregular fingers	104.3	105.31	SKRN 5												
						105.31	105.56	CLOR 2												
						105.56	112.03	SKRN 5												
112.03	112.31			Mafic Dike	fine-grained	112.03	112.31	CLOR 2 EPID 1												
112.31	112.78			qtz-biotite-diorite	quite altered	112.31	112.78	SKRN 3 CLOR 2EPID 3												
112.78	113.14			Mafic Dike	fine-grained	112.78	113.14	CLOR 4 EPID 3												
113.14	113.46			qtz-biotite-diorite	coarse-grained	113.14	113.46	SKRN 3 EPID 3												
113.46	113.73			Mafic Dike	fine-grained; brecciated, annealed	113.46	113.73	SKRN 3 CLOR 2												
113.73	113.89			qtz-biotite-diorite		113.73	113.89	SKRN 2 SILI 3												
113.89	114.8			Skarn	qtz-biot-diorite protolith	113.89	114.8	SKRN 5												
114.8	115.59			Mafic Dike	fine-grained	114.8	115.59	EPID 1 CLOR 3												
115.59	120.7			qtz-biotite-diorite	coarse-grained	115.59	117.49	SILI 3 SKRN 2												
						117.49	117.66	CLOR 1												
						117.66	120.7	SILI 3 SKRN 2												
120.7	123.05			Skarn	qtz-bio-diorite protolith; mostly epidote, garnet	120.7	123.05	SKRN 3								120.7	122	G0791969	skarn	8.74
123.05	123.25			qtz-biotite-diorite	coarse-grained	123.05	123.25	SILI 3 SKRN 3												
123.25	127.11			Skarn	mostly pyroxene, garnet, epidote; gt>px	123.25	127.11	SKRN 5								124	126	G0791970	skarn	9.06
127.11	127.41		irregular	qtz-biotite-diorite	coarse-grained	127.11	127.41	SKRN 3												
127.41	127.97	75	irregular	Skarn	mostly garnet, some pyroxene, epidote; gt>px	127.41	127.97	SKRN 5												
127.97	128.49			qtz-biotite-diorite	coarse-grained	127.97	128.49	SILI 3 SKRN 3												
128.49	129.65			Skarn	qtz-biot-diorite protolith; gt>px	128.49	129.65	SKRN 5												
129.65	130.14			qtz-biotite-diorite	coarse-grained	129.65	130.14	SKRN 3 SILI 3												
130.14	147.75			Porphyritic gabbro		130.14	146.51	CLOR 2 EPID 2												
						146.51	146.85	EPID 4												
						146.85	147.75	EPID 2 SKRN 2CLOR 2												
147.75	148.06			Skarn	mafic dike protolith; px>gt;	147.75	148.06	SKRN 5												
148.06	156.08			Mafic Dike	fine-grained; moderately shattere core; minor mt in fractures at 152.0-152.40m	148.06	156.08	SKRN 4												
156.08	159.06			Skarn	mostly epidote, scapolite, some garnet, pyroxene	156.08	159.06	SKRN 5												
159.06	160.48			Mafic Dike	fine-grained; plag-phyric	159.06	160.48	CLOR 3 EPID 2												
160.48	160.88			qtz-biotite-diorite	coarse-grained	160.48	160.88	SILI 4 SKRN 4												
160.88	162.49			Mafic Dike	fine-grained	160.88	162.49	CLOR 2 EPID 1												

Bore Hole	11-10B	North 5390828	Start 05/12/2011	az 250	Elev 480
Logged By	Alexis Eapen and Kyle Karl	East 388725	End 14/05/2011	dip -70	TD 283.46

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
162.49	166.93			qtz-biotite-diorite	coarse-grained; minor mafic dike clasts/irregular fingers	162.49	163.54	SKRN 4												
						163.54	163.79	SKRN 3												
						163.79	166.93	SKRN 4												
166.93	167.6			Skarn	mafic dike protolith	166.93	167.6	SKRN 5												
167.6	170.05			Mafic Dike	fine-grained	167.6	168.05	CLOR 2 EPID 1												
						168.05	168.8	EPID 4												
						168.8	170.05	CLOR 2 EPID 2												
170.05	171.1			Skarn	mostly epidote, garnet	170.05	171.1	SKRN 5												
171.1	173.96			Plagioclase porphyry	very small plag phenos (~1-2mm)	171.1	173.96	CLOR 3 SKRN 3EPID 2												
173.96	177.66			Mafic Dike	fine-grained; very shattered core; possible amygdules	173.96	177	CLOR 2 EPID 2								177	178	G0791971	skarn + skar	5.9
						177	177.66	SKRN 2 CLOR 3												
177.66	178			Skarn	mostly pyroxene (very light blue-green)	177.66	178.83	SKRN 5												
178	178.37			Magnetite-Skarn	mt + pyroxene skarn				178	178.37	1					178	179.14	G0791972	mt-skarn + p	31.1
178.37	178.83			Skarn	pyroxene															
178.83	179.14			Massive Magnetite	minor dissem pyroxene				178.83	179.14	2									
179.14	179.84			Mafic Dike	fine-grained	179.14	179.84	CLOR 3								179.14	179.84	G0791973	inter-ore maf	7.84
179.84	180.1			Massive Magnetite	minor dissem pyroxene				179.84	180.1	5					179.84	180.77	G0791991	mass mt + m	20.9
																179.84	180.77	G0791974	mass mt + m	23.4
180.1	180.77			Magnetite-Skarn	pyroxene + mt	180.1	181.78	SKRN 5												
180.77	181.78			Skarn	mostly pyroxene; minor mt in fractures											180.77	181.78	G0791975	skarn w/ min	5.81
181.78	183.04			Mafic Dike	fine-grained; minor mt in fractures; very shattered core	181.78	183.04	CLOR 2 EPID 2								181.78	183.04	G0791976	inter-ore maf	8.09
183.04	185.24			Massive Magnetite					183.04	185.24	3.5	0.5	1			183.04	185.24	G0791977	mass mt	56
185.24	185.46			Mafic Dike	fine-grained; very shattered core	185.24	185.46	SKRN 3								185.24	186	G0791978	mafic dike +	53.9
185.46	188			Massive Magnetite					185.46	186	1					186	188	G0791979	mass mt	61
									186	188	2.5									
188	188.71			Mafic Dike	fine-grained; extremely shattered core	188	188.71	CLOR 4 EPID 2								188	188.71	G0791981	inter-ore maf	8.83
188.71	190.83			Massive Magnetite					188.71	190.83	3		0.5			188.71	190.83	G0791982	mass mt	61.8
190.83	192.45			Mafic Dike	fine-grained; very shattered near top contact	190.83	191.22	CLOR 4								190.83	192.45	G0791983	mafic dike (o	11.15
						191.22	192.45	CLOR 2 EPID 2												
192.45	192.94		irregular	Marble																
192.94	193.58			Mafic Dike	fine-grained	192.94	193.58	SKRN 3 EPID 3												
193.58	194	50	Undulating	Marble																
194	194.33		irregular	Mafic Dike	shattered core	194	194.33	CLOR 3 SKRN 3												
194.33	199.05	60	Sharp	Marble																

Bore Hole	11-10B		North 5390828			Start		05/12/2011	az	250				Elev	480					
Logged By	Alexis Eapen and Kyle Karl		East 388725			End 14/05/2011			dip	-70				TD	283.46					
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
199.05	200.13	52	Undulating	Mafic Dike	fine-grained	199.05	200.13	EPID 3 CLOR 2												
200.13	201.59			Marble																
201.59	202.15			Mafic Dike	fine-grained	201.59	202.15	SKRN 2 CLOR 2EPID 2												
202.15	205.75	60	Undulating	Marble	clear white, soft mineral in fractures (~4-5 mohs hardness), possibly anhydrite? Doesn't fizz in hcl															
205.75	225.55	40	Undulating	Plagioclase porphyry	at depth down this interval, plag phenos increase in size (~2-4mm)	205.75	221.47	EPID 2 CLOR 2						211.4	7cm marble	222	224	G0791984	silicified, bre	2.72
						221.47	225.55	SILI 3 SKRN 2CLOR 2												
225.55	254.2			Basalt	fine-grained; 225-55-238.0m: weakly to moderately magnetic; amygdules present after 244.0m	225.55	239	TALC 1 CLOR 3EPID 2								232	234	G0791985	magnetic ba	7.08
						239	241	EPID 3 CLOR 2												
						241	254.2	CLOR 2 EPID 2												
254.2	256.34			Plagioclase porphyry		254.2	256.34	SILI 4 EPID 2												
256.34	264.87	15	Sharp	Basalt	fine-grained; amygdules present; weakly-moderately magnetic	256.34	264.87	CLOR 2 EPID 1CARB 1												
264.87	267.21			Plagioclase porphyry		264.87	270.9	EPID 2 CLOR 2												
267.21	269.42			Basalt	fine-grained; amygdules present; weakly magnetic															
269.42	270.9			Plagioclase porphyry	quite bleached looking															
270.9	283.46			Basalt	fine-grained, amygdules present; weakly magnetic	270.9	283.46	CLOR 2 EPID 1												

Bore Hole	11-09B		North 5391179		Start	05/10/2011	az	235		Elev	478
Logged By	Alexis Eapen and Kyle Karl		East 388637		End 05/12/2011		dip	-60		TD	246.88

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
0	18.25			Casing	made up of glacial till and qtz-diorite, mass mt, porphyritic gabbro, and mafic dike boulders															
18.25	20.82			Massive Magnetite					18.25	19			4			18.25	19	G0791921	mass mt	65.2
									19	20.82	1		7			19	20.82	G079192 2	mass mt	59.6
20.82	21.3			Mafic Dike	fine-grained; plag-phyric; possibly dacite? Quite fresh											20.82	21.3	G0791923	mafic dike (ir	8.68
21.3	24.42			Massive Magnetite					21.3	23	0.5	0.5	10			21.3	23	G0791924	mass mt	59.2
									23	24.42	2		10			23	24.42	G0791925	mass mt	54
24.42	25.17			qtz-biotite-diorite	highly silicified; texture obliterated	24.42	25.17	SILI 5 EPID 1								24.42	25.17	G0791926	silicified qbd'	2.58
25.17	26.28			Massive Magnetite	~80%mt; minor mafic dike clasts	25.85	25.91	CLOR 3	25.17	26.28		0.3	4			25.17	26.28	G0791927	mass mt w/ r	50
26.28	26.62			qtz-biotite-diorite	texture obliterated	26.28	26.62	SILI 5 SKRN 2								26.28	26.62	G0791928	qbd? (interior	11.85
26.62	26.78			Massive Sulphide	mostly pyrrhotite				26.62	26.78	1		95			26.62	27.04	G0791929	mass sulphic	56.8
																26.62	27.04	G0791945	mass sulphic	56.6
26.78	27.04			Massive Magnetite					26.78	27.04			30							
27.04	31.99			Massive Sulphide	mostly pyrrhotite; ~5% mt				27.04	29	3	0.8	90			27.04	29	G0791930	mass sulphic	56.6
									29	31	2	1	75			29	31	G0791931	mass sulphic	47.3
									31	31.99	1	1	80			31	31.99	G0791932	mass sulphic	59.7
31.99	33.17			Massive Magnetite		31.99	33.17	HEMT 1	31.99	33.17		0.8	25			31.99	33.17	G0791933	mass mt	58.3
33.17	33.52			Massive Sulphide	mostly pyrrhotite; ~15%mt				33.17	33.52		0.5	80			33.17	33.52	G0791934	mass sulphic	60.8
33.52	35.36			Massive Magnetite					33.52	35.36	0.5	1	12			33.52	35.36	G0791935	mass mt	63.5
35.36	37.64			Massive Sulphide	mostly pyrrhotite				35.36	36.98	0.5	0.3	95			35.36	37	G0791936	mass sulphic	54.3
									36.98	37.08	1	0.5	10			37	37.64	G0791937	mass sulphic	53.8
									37.08	37.64		2	85							
37.64	38.48			Mafic Dike	fine-grained; plag-phyric; possibly dacite	37.64	38.48	CLOR 1 EPID 1								37.64	38.48	G0791938	mafic dike (ir	8.22
38.48	38.91			Massive Sulphide	mostly pyrrhotite				38.48	38.91	4	0.8	70			38.48	39.25	G0791939	mass sulphic	16.8
38.91	39.25			Marble	could be qtz-diorite? Completely silicified, texture obliterated	38.91	39.25	SILI 5 SKRN 2	38.91	39.25	0.5		0.3							
39.25	40.1			Massive Sulphide	mostly pyrrhotite				39.25	40.1		0.8	95			39.25	40.1	G0791940	mass sulphic	53.8
40.1	42.57			Massive Magnetite					40.1	41	0.5	1	6			40.1	41	G0791941	mass mt	58.4
									41	42.57	2	0.5	4			41	42.57	G0791942	mass mt	62.7

Bore Hole	11-09B			North 5391179			Start	05/10/2011	az	235				Elev	478					
Logged By	Alexis Eapen and Kyle Karl			East 388637			End 05/12/2011		dip	-60				TD	246.88					
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
42.57	42.74			Mafic Dike	fine-grained	42.57	42.74	SKRN 3								42.57	43.2	G0791943	skarn + mt-s	37.7
42.74	43.2			Magnetite-Skarn	~25%mt	42.74	43.2	SKRN 4	42.74	43.2	1	0.8	25							
43.2	44.09			Skarn	minor mt in fractures	43.2	44.09	SKRN 5	43.2	44.09	4	0.3	40			43.2	44.09	G0791944	skarn w/ pyrr	35.2
44.09	51.17	35	Sharp	Marble		48.83	48.99	SKRN 2						44.17 44.2 50.44	0.5cm pyrrhotite vein @ 35° 1cm pyrrhotite vein @ 35° banding @ 25°	44.09	45	G0791946	marble(ore e	4
51.17	52.06			Mafic Dike	fine-grained; plag-phyric	51.17	52.06	SKRN 3	51.17	52.06	2									
52.06	56.03			Garnet-Pyroxene-Skarn	pyroxene > garnet	52.06	56.03	SKRN 5												
56.03	59.45			Marble		56.87	57.01	EPID 2 SKRN 2												
59.45	60.86	25	Sharp	Skarn	brecciated	59.45	60.86	SKRN 5	59.45	60.86	3					59.45	60.86	G0791947	brecciated sk	9.05
60.86	62.56			Marble																
62.56	62.9	65	Sharp	Mafic Dike	fine-grained; plag-phyric; moderately shattered core	62.56	62.9	CLOR 2												
62.9	64.86	40	Sharp	Marble																
64.86	67.27			Mafic Dike	fine-grained	64.86 66.52	66.52 67.27	EPID 2 CLOR 2 SKRN 3								66.82	67.27	G0791948	skarned maf	4.64
67.27	68.25			Magnetite-Skarn		67.27	68.25	SKRN 5	67.27	68.25	1	0.3	1			67.27	68.25	G0791949	mt-skarn	21.7
68.25	69.86			Skarn	mafic dike protolith; mostly pyroxene w/ minor gt in fractures; minor mt in fractures	68.25	69.86	SKRN 5								68.25	69.86	G0791950	skarn w/ min	10.2
69.86	83.01			Mafic Dike	fine-grained	69.86 76.86	76.86 83.01	SKRN 3 SKRN 4	78	79	3					76.86	78	G0791951	skarned maf	5.26
83.01	83.78			qtz-biotite-diorite	or qtz-feldspar-porphyry?	83.01	83.78	CLOR 1 SILI 2												
83.78	86.81			Mafic Dike	fine-grained; plag-phyric	83.78	86.81	SKRN 2 CLOR 1EPID 2												
86.81	91.3	50	irregular	Marble	quite 'dirty'									89.19 90.84	banding/bedding @ 65° banding/bedding @ 65°					
91.3	94.06			Garnet-Pyroxene-Skarn	possible porphyritic gabbro protolith	91.3	94.06	SKRN 5												
94.06	96.47			Porphyritic gabbro		94.06	96.47	SKRN 2 EPID 2CLOR 1												
96.47	97.16	40	Undulating	Marble												96.47	97.16	G0791952	marble (ore (	0.32
97.16	97.54			Mafic Dike	very sheared; mt in fractures	97.16	97.54	CLOR 4								97.16	97.54	G0791953	chloritized/sh	12.85
97.54	98.37			Massive Magnetite					97.54	98.37	2		3			97.54	98.37	G0791954	mass mt	61
98.37	100.18			Mafic Dike	fine-grained; minor mt in fractures; very shattered core	98.37	100.18	SKRN 3 CLOR 2								98.37	100.18	G0791955	inter-ore maf	10.85
100.18	101.28			Massive Magnetite					100.18	101.28	1.5					100.18	101.28	G0791956	mass mt	56.2

Bore Hole	11-09B	North	5391179	Start	05/10/2011	az	235	Elev	478		
Logged By	Alexis Eapen and Kyle Karl	East	388637	End	05/12/2011	dip	-60	TD	246.88		

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
101.28	102.19			Mafic Dike	fine-grained; minor mt in fractures	101.28	102.19	CLOR 2 SKRN 2								101.28	102.19	G0791957	inter-ore maf	17.45
102.19	102.6			Massive Magnetite					102.19	102.6	1					102.19	102.6	G0791958	mass mt	50.4
102.6	103.06			Garnet-Pyroxene-Skarn	garnet>pyroxene	102.6	103.06	SKRN 5								102.6	103.06	G0791959	gt-px-skarn	11.85
103.06	103.68			Massive Magnetite	w/ skarn clasts throughout				103.06	103.68	1					103.06	103.68	G0791960	mass mt	44.1
103.68	104.15			Magnetite-Skarn	mt + gt-px-skarn	103.68	104.15	SKRN 5								103.68	104.15	G0791961	mt-skarn	23
104.15	104.82			Massive Magnetite	w/ minor skarn clasts throughout				104.15	104.82	2					104.15	104.82	G0791962	mass mt	33.9
104.82	108.44			Garnet-Pyroxene-Skarn	minor mt in fractures; pyroxene>garnet	104.82	108.44	SKRN 5	106.09	106.68	3		2			104.82	106	G0791963	skarn w/ min	10.4
108.44	109.52	40	Sharp	Marble	lots of vugs															
109.52	110.41	50	Undulating	Skarn	brecciated; mafic dike protolith	109.52	110.41	SKRN 5												
110.41	111.82		irregular	Marble	lots of vugs	111.13 111.54	111.31 111.73	SKRN 4 SKRN 5	111.54	111.73	5									
111.82	113.04	40	Sharp	Mafic Dike	fine-grained; brecciated, annealed at top contact	111.82	113.04	SKRN 3												
113.04	113.64			Marble																
113.64	113.94		irregular	Mafic Dike	both contacts are skarned, brecciated, annealed	113.64	113.94	SKRN 4												
113.94	114.28			Marble	w/ skarn clasts throughout															
114.28	115.14		irregular	Mafic Dike	fine-grained; moderately shattered core	114.28	115.14	SKRN 3												
115.14	115.66			Marble																
115.66	118.69			Garnet-Pyroxene-Skarn	mt in fracture from 118.29-118.69m.	115.66	118.69	SKRN 5								117 118.29 118.29	118.29 119.24 119.24	G0791964 G0791965 G0791980	gt-px-skarn mafic dike + mafic dike +	10.1 22.4 13.5
118.69	118.93			Marble	disseminated and stringer mt throughout; ~30%mt															
118.93	119.24			Magnetite-Skarn		118.93	119.24	SKRN 5												
119.24	119.45		irregular	Marble												119.24	119.8	G0791966	marble (ore (	5.85
119.45	119.8			Mafic Dike	fine-grained; brecciated	119.45	119.8	SKRN 3												
119.8	135.15			Marble		133.44	133.68	CLOR 3												
135.15	135.5			Mafic Dike	fine-grained; moderately brecciated	135.15	135.5	SKRN 4												
135.5	135.95	20	Undulating	Marble																
135.95	137			Mafic Dike	fine-grained	135.95	137	EPID 3 CLOR 1												
137	138.1	35	Sharp	Marble	skarn banding in some areas	137	138.1	SKRN 2												
138.1	139			Garnet-Pyroxene-Skarn		138.1	139	SKRN 5												

Bore Hole	11-09B	North 5391179	Start 05/10/2011	az 235	Elev 478
Logged By	Alexis Eapen and Kyle Karl	East 388637	End 05/12/2011	dip -60	TD 246.88

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
139	140.31			Plagioclase porphyry		139	140.31	SKRN 3												
140.31	141.14			Marble																
141.14	142.27			Skarn	mostly pyroxene, epidote, some scapolite	141.14	142.27	SKRN 5	141.14	142.27	3					141.14	142.27	G0791967	skarn	5.58
142.27	143.48			Plagioclase porphyry		142.27	143.48	SKRN 3												
143.48	144.8			Skarn	mostly pyroxene, epidote, some scapolite	143.48	144.8	SKRN 5												
144.8	153.63			Marble		147.46	147.54	SKRN 5												
153.63	155.07			Mafic Dike	fine-grained; plag-phyric	153.63	155.07	EPID 2 CLOR 2												
155.07	174.44			Marble	some areas are silicified	155.07	174.44	SILI 2												
174.44	174.81		irregular	Mafic Dike	fine-grained; 1cm mt/hmt veins at both contacts	174.44	174.81	HEMT 2 EPID 2CLOR 2												
174.81	176.88	35	Undulating	Marble	some areas are silicified	174.81 175.92 176.03 176.12 176.2	175.92 176.03 176.12 176.2 176.88	SILI 3 EPID 2 CLOR 1 SILI 3 EPID 2 CLOR 1 SILI 3												
176.88	178.26	60	irregular	Mafic Dike	fine-grained; plag-phyric	176.88	178.26	EPID 2 CLOR 2												
178.26	180.95	60	Sharp	Marble										178.5	banding/bedding @ 50°					
180.95	181.24	45	Sharp	Mafic Dike	fine-grained; plag-phyric	180.95	181.24	EPID 3 CLOR 2												
181.24	182.05	30	Sharp	Marble																
182.05	184.41	45	irregular	Skarn		182.05	184.41	SKRN 5	182.05	184.41	8									
184.41	196.83	35	Undulating	Marble																
196.83	197.43	70	Sharp	Mafic Dike	fine-grained	196.83	197.43	EPID 2 CLOR 2HEMT 1												
197.43	199.62	30	Undulating	Marble																
199.62	200.62	30	Undulating	Mafic Dike	fine-grained; plag-phyric	199.62	200.62	EPID 3 CLOR 2HEMT 1												
200.62	202.05	80	Sharp	Marble		201.34	201.54	SKRN 5 HEMT 2												
202.05	203.38	75	Undulating	Skarn		202.05	203.38	SKRN 5	202.05	203.38	3									
203.38	203.62	15	Sharp	Marble																
203.62	203.81			Mafic Dike	fien-grained	203.62	203.81	CLOR 2 EPID 2	203.62	203.81	3									
203.81	206.25	25	Sharp	Marble		205.9	206.04	CLOR 4												
206.25	207.13		irregular	Skarn		206.25	207.13	SKRN 5 HEMT 2	206.25	207.13	1					206.25	207.63	G0791968	skarn	5.33
207.13	208.32		irregular	Marble	w/ skarn clasts throughout															
208.32	209.68	45	Sharp	Skarn	brecciated	208.32	209.68	SKRN 5 HEMT 2												
209.68	211.5	60	Sharp	Marble	lots of vugs															
211.5	213.52	30	Sharp	Skarn		211.5	213.52	SKRN 5	211.5	213.52	10									
213.52	214.01	30	Sharp	Mafic Dike	possibly highly recrystallized amph/feldspars in middle of interval	213.52	214.01	SKRN 3												
214.01	214.96			Skarn		214.01	214.96	SKRN 5	214.01	214.96	2									

Bore Hole	11-09B	North 5391179	Start 05/10/2011	az	235	Elev	478
Logged By	Alexis Eapen and Kyle Karl	East 388637	End 05/12/2011	dip	-60	TD	246.88

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
214.96	218.07	65	irregular	Marble		217.37	217.52	CLOR 4												
218.07	219.47			Mafic Dike	fine-grained	218.07	219.47	CLOR 3 EPID 1HEMT 2												
219.47	225.35	30	Sharp	Marble		223.32	223.39	SKRN 3 EPID 2CLOR 2												
225.35	225.93	25	Sharp	Mafic Dike	fine-grained	225.35	225.93	EPID 3 CLOR 2												
225.93	230.16	50	Undulating	Marble		225.96	226.01	CLOR 2												
						226.14	226.25	SKRN 3												
230.16	233.49	30	Sharp	Porphyritic gabbro	glomeroporphyritic; equant plag phenos	230.16	233.49	HEMT 1 CLOR 1EPID 3												
233.49	246.88	40	Undulating	Marble																

Bore Hole	11-08B	North 5391179	Start	05/06/2011	az	235	Elev 478
Logged By	Alexis Eapen and Tim Norri	East 388637	End 05/10/2011		dip	-45	TD 376.94

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
0	19.75			Casing	made up of glacial till and qtz-biot-diorite, marble, mafic dike, plag															
19.75	20.19			Mafic Dike	fine-grained; plag-phyric; quite fresh, unaltered															
20.19	21.56			qtz-biotite-diorite	coarse-grained	20.19	21.34	EPID 1 SILI 2								20.19	21.56	G0791782	qtz-biot-diori	4.34
						21.34	21.56	SKRN 3												
21.56	21.89			Massive Magnetite					21.56	22	1		4			21.56	22.83	G0791783	mass mt + sl	37.8
21.89	22.46			Garnet-Pyroxene-Skarn		21.89	22.46	SKRN 5	22	22.83	0.5	1	0.8							
22.46	25.69			Massive Magnetite					22.83	24	0.8		4			22.83	24	G0791784	mass mt	53.8
									24	25.69	0.5	0.5	9			24	25.69	G0791785	mass mt	63.9
25.69	25.97			Massive Sulphide					25.69	25.97	2		85			25.69	25.97	G0791793	massive sulp	60.3
																25.69	25.97	G0791786	massive sulp	59.2
25.97	26.54			Skarn	qtz-biot-diorite protolith											25.97	26.54	G0791787	skarn (inter-	4.39
26.54	27.17			Massive Sulphide	~5%mt				26.54	27.17	1		85			26.54	27.17	G0791788	massive sulp	61.5
27.17	27.85			Massive Magnetite					27.17	27.85	0.8		3			27.17	27.85	G0791789	mass mt	63.8
27.85	28.68			Massive Sulphide	hmt in and around fractures				27.85	28.68	1	1	80			27.85	28.68	G0791790	massive sulp	61.7
28.68	31.43			Massive Magnetite					28.68	30	2	0.5	15			28.68	30	G0791791	mass mt	66
									30	31.43	1		4			30	31.43	G0791792	mass mt	64.7
31.43	31.67		irreg	Massive Sulphide	massive po w/mt intergrown;late py and minor cpy in veins				31.43	31.67	0.5	0.5	90			31.43	31.67	G0791794	massive pyrr	62.2
31.67	32.64		irreg	Massive Magnetite	lete py and minor cpy				31.67	32.05	0.5	0.5	20			31.67	32.64	G0791795	mt + sulphid	64.8
									32.05	32.4	0.5	0.5	10							
									32.4	32.64	0.5	0.5	3							
32.64	37.3		irreg	Massive Sulphide	massive po w/ varible mt content, average<10%; relict skarn clasts <1% py and cpy along fractures	34.7	40.3	SKRN 5	32.64	37.3	0.5	0.5	90			32.64	34	G0791796	massive pyrr	58.9
																34	35	G0791797	massive pyrr	55.3
																35	36	G0791798	massive pyrr	47.4
																36	37.3	G0791799	massive pyrr	51.6
37.3	38.25	50	Sharp	Diorite	Plag phenos in a med-grained dioritic matrix; Chilled margins @ top and bottom contacts				37.3	38.25	0.1	0.1	0.1			37.3	38.25	G0791800	diorite (inter-	11.35
38.25	39.7	70	Sharp	Massive Sulphide	as above											38.25	39.7	G0791801	massive sulp	56.1

Bore Hole	11-08B			North 5391179			Start	05/06/2011	az	235				Elev	478					
Logged By	Alexis Eapen and Tim Norri			East 388637			End 05/10/2011		dip	-45				TD	376.94					
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
39.7	40.3		irreg	Garnet-Pyroxene-Skarn	Pyx>Gt>Sul; unkown protolith				39.7	39.8	1	0.5	30			39.7	40.3	G0791802	skarn	31.7
									39.8	40	2	0.5	0.5							
									40	40.3	1	0.5	30							
40.3	41.5		irreg	Magnetite-Skarn	>30% mt w/sul and relict skarn clasts;				40.3	40.8	5	0.5	10			40.3	41.5	G0791803	skarn w/ sulp	52.7
									40.8	41.5	1	1	25							
41.5	44.8			Massive Magnetite	sul rich (po) w/ relict calc-sil clasts; epidote veins cut py late py veins;				41.5	43.9	1	0.5	10			41.5	43	G0791804	mass mt	59.3
									43.9	44.1	1	0.5	20			43	44.8	G0791805	mass mt	60.5
									44.1	44.3	1	0.5	10							
									44.3	44.6	1	0.5	20							
									44.6	44.8	1	0.5	8							
44.8	45.2	35	Undulating	Skarn	sul rich w/minor mt				44.8	45.2			10			44.8	45.2	G0791806	skarn	26.6
45.2	47	50	Sharp	Mafic Dike	badly shattered, fresh											45.2	47	G0791807	mafic dike	7.43
47	50.2	70	Sheared	Massive Magnetite	top contact is gougy; a few relict skarn clasts, but overall less gangue than above sections.				47	48	1	0.8	5			47	48	G0791808	mass mt	59.1
									48	49	1	0.5	3			48	49	G0791809	mass mt	61
									49	50.2	1	0.5	2			49	50.2	G0791810	mass mt	59.8
50.2	50.94	50	Sharp	Plagioclase porphyry	chilled margins top and bottom											50.2	50.94	G0791811	inter-ore dike	7.55
50.94	52.5	80		Massive Magnetite	Rare skarn clasts; some cpy in middle section and po @ end. Bottom contact is gougey.				50.94	51.4	1	0.5	5			50.94	52.5	G0791837	mass mt; Du	59.2
									51.4	51.9	1	1.5	2			50.94	52.5	G0791812	mass mt; Du	63
									51.9	52.4	1	0.5	15							
									52.4	52.5	1	0.5	4							
52.5	52.7			Mafic Dike	gougey											52.5	53.03	G0791813	dike + diorite	5.99
52.7	53.03	45	Sharp	Diorite	Leuco-diorite; ~3mm soapstone talc @ top contact															
53.03	54.08		broken	Mafic Dike	recrystalized texture, w/ needle plag microcrysts	53.03	54.8	SKRN 3								53.03	54.08	G0791814	mafic dike	17.25
54.08	54.5	30	Sheared	Massive Magnetite	sheared at both contacts w/ chl along fractures				54.08	54.5	3	0.05	1			54.08	54.5	G0791815	mass mt	54.7
54.5	55.7	25	Sheared	Diorite	leuco-diorite; shattered											54.5	55.7	G0791816	diorite (inter-	3.29
55.7	56.04	35	gouge	Massive Sulphide	Massive po; ~20% mt; late py veins				55.7	56.04	2	0.5	70			55.7	56.04	G0791842	massive sulp	58.7
																55.7	56.04	G0791817	massive sulp	57.4
56.04	56.9			Massive Magnetite	some relict Gt skarn; po				56.04	56.9	4	0.5	10			56.04	56.9	G0791818	mass mt	55.9
56.9	58.81	15	Undulating	Garnet-Pyroxene-Skarn	minor ep, sul and mt	56.9	58.81	SKRN 5	56.9	58.81	2		3			56.9	58.81	G0791819	skarn	15.5
58.81	59.8		irreg	Magnetite-Skarn	pyx, scap, gt ~20% mt + sul				58.81	59.75	3	0.1	4			58.81	59.8	G0791820	mt-skarn	19.9

Bore Hole	11-08B			North 5391179			Start	05/06/2011	az	235				Elev	478					
Logged By	Alexis Eapen and Tim Norri			East 388637			End 05/10/2011		dip	-45				TD	376.94					
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
									59.75	59.8	3	0.1	10							
59.8	60.13			Massive Sulphide					59.8	60.13	1	0.1	80			59.8	60.13	G0791821	massive sulp	48.9
60.13	61.5			Skarn	pyx>gt; scap and sul; minor mt	60.13	61.5	SKRN 5	60.13	61.5	1		3			60.13	61.5	G0791822	skarn	16.55
61.5	63.12			Diorite	leuco-diorite; probablly proto of above unit	61.5	63.12	EPID 2								61.5	63.12	G0791823	diorite	3.6
63.12	65.25	85	gouge	Massive Magnetite	quite shattered				63.12	65.25	3		4			63.12	65.25	G0791824	mass mt	58.6
65.25	67	85	shrp	Diorite	leucocratic, fresh											65.25	67	G0791825	diorite	3.27
67	71.29	35	Sharp	Massive Magnetite	less sul than above mt				67	68	2		2			67	68	G0791826	mass mt	59.5
									68	69	4	0.5	3			68	69	G0791827	mass mt	53.2
									69	70	2		1			69	70	G0791828	mass mt	51.8
									70	70.93	1		3			70	71.29	G0791829	mass mt	60
									70.93	71.29	1	0.05	6							
71.29	72.49		chemical	Garnet-Pyroxene-Skarn	minor sul	71.29	72.49	SKRN 5	71.29	72.49	2	0.75	2			71.29	72.49	G0791830	gt-px-skarn	16.35
72.49	74.72	30	Sharp	Massive Magnetite	2cm py @ upper contact				72.49	74.72	2		2			72.49	74.72	G0791831	mass mt	59.4
74.72	75.56			Magnetite-Skarn					74.72	75.56	4	0.5	2			74.72	75.56	G0791832	mt-skarn	20.7
75.56	76.48			Massive Magnetite					75.56	76.84	4	0.1	3			75.56	76.48	G0791833	mass mt	59.9
76.48	77.2			Magnetite-Skarn		76.48	77.2	SKRN 5	76.84	77.2	4	0.1	8			76.48	77.2	G0791834	mt-skarn	39.1
77.2	81.79			Garnet-Pyroxene-Skarn	gt=pyx~=scap	77.2	81.79	SKRN 5	77.2	81.79	2		1			77.2	79	G0791835	gt-px-skarn	12.65
																79	80	G0791836	gt-px-skarn	12.75
																80	81.79	G0791838	gt-px-skarn	12.3
81.79	83.5			Marble	skarn altered w/ mt in veins and lenses	81.79	83.5	SKRN 2	81.79	83.5	1		1			81.79	83.5	G0791839	marble	12.6
83.5	85.68			Magnetite-Skarn	pyx>gt				83.5	85.68	3		3			83.5	85.68	G0791840	mt-skarn	13.25
85.68	85.95	75	Sharp	Plagioclase porphyry	small dike	85.68	85.95	EPID 2								85.68	87	G0791841	plag porph +	20
85.95	88.98	75	Sharp	Magnetite-Skarn	as above mt-skrn	85.95	88.98	SKRN 5	85.95	88.98	2		1			87	88.98	G0791843	mt-skarn	22.5
88.98	89.16			Mafic Dike		88.98	89.16	SKRN 3								88.98	91	G0791844	mafic dike (o	5.19
89.16	89.43			Plagioclase porphyry		89.16	89.43	EPID 1												
89.43	90.22			Mafic Dike	shattered	89.43	90.22	SKRN 3												
90.22	94			Plagioclase porphyry		90.22	94	SKRN 3												
94	107.6		broken	Basalt	amygdules present; py in veins and dess	95	96	SKRN 3 EPID 1	94	98	1					98	99	G0791845	basalt w/ mir	5.68
						96	100.37	EPID 1 SILI 3	98	99	3		1			105	107.6	G0791846	basalt (ore b	7.18
						100.7	104.69	EPID 1 SILI 1	99	107.6	1									
						104.69	104.9	SILI 5 SKRN 3												
						104.9	106.28	SKRN 4												
						106.28	106.9	EPID 1												
						106.9	107.45	SKRN 4												
107.6	107.85	50	Sheared	Massive Magnetite	shattered w/ high sul				107.6	107.72	5		2			107.6	109.73	G0791847	mixed mt	44.7
									107.72	107.85	10		3							
107.85	108.2		broken	Mafic Dike																

Bore Hole	11-08B		North 5391179			Start		05/06/2011	az	235				Elev	478					
Logged By	Alexis Eapen and Tim Norri		East 388637			End 05/10/2011			dip	-45				TD	376.94					
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
108.2	119.68	50	Sheared	Massive Magnetite	some relict gt skarn clasts; much less po than above sections; py occurs in veins up to >3mm dilation				108.2	111	4	0.1	2			109.73	111	G0791848	mass mt	52.7
									111	112	4	0.1	3			111	113	G0791849	mass mt	59.5
									112	113	1	0.1	2			113	114	G0791850	mass mt	58.9
									113	114	4	0.1	4			114	116	G0791851	mass mt	54.8
									114	115	2	0.1	2			116	118	G0791852	mass mt	62.4
									115	115.56	3	0.1	2			118	119.68	G0791878	mass mt; Du	48.1
									115.56	115.82	15	0.1	2			118	119.68	G0791853	mass mt; Du	48.7
									115.82	117.39	2	0.1	2							
									117.39	117.68	5	0.1	2							
									117.68	118.46	3	0.1	2							
									118.46	119.68	5	0.1	5							
119.68	121.15	60	Sheared	Plagioclase porphyry		119.68	121.15	PROP 2								119.68	121	G0791854	inter-ore dike	7.31
																121	123	G0791855	mass mt	58.9
121.15	128.02	45	Undulating	Massive Magnetite	fairly homogeneous magnetite intersection; solid and coarse grained				121.15	123	3		3			123	124	G0791856	mass mt	67.8
									123	125	2		2			124	125	G0791857	mass mt	64.6
									125	127	2		3			125	127	G0791858	mass mt	61.9
									127	128.03	2		2			127	128.02	G0791859	mass mt	58.7
128.02	128.92	60	Sharp	Mafic Dike	FG	128.02	128.92	EPID 1 SILI 1								128.02	128.92	G0791860	inter-ore dike	7.75
128.92	130.31		broken	Massive Magnetite	top section is shattered with chl along fractures				128.92	130.31	4		2			128.92	130.31	G0791861	mass mt	51.5
130.31	131			Magnetite-Skarn	mt+pyx+sul	130.31	131	SKRN 4	130.31	131	5		4			130.31	131	G0791862	mt-skarn	34.1
131	131.94		broken	intermediate volcanic	intermediate dike	131	131.94	EPID 1								131	131.94	G0791863	inter-ore dike	6.09
131.94	133.11	40	Sharp	Magnetite-Skarn					131.94	133.11	3		1			131.94	133.6	G0791889	mixed mt; Du	48.9
																131.94	133.6	G0791864	mixed mt; Du	51.2
133.11	133.6			Massive Magnetite	moderate py veining				133.11	133.6	4	0.1	2							
133.6	134.62	75	Sharp	intermediate volcanic	dike	133.6	134.62	EPID 1								133.6	134.62	G0791865	dike	7.28
134.62	136.19		broken	Massive Magnetite	as above				134.62	136.19	3		3			134.62	136.19	G0791866	mass mt	60.6
136.19	137.26	45	Sharp	intermediate volcanic	some amygdules; mod veining at ~0 deg	136.19	137.26	EPID 1 SILI 1								136.19	137.26	G0791867	dike	7.16
137.26	142.12	45	Sharp	Massive Magnetite	small dike and some skarn clasts present				139.26	139.42	2		2			137.26	139	G0791868	mass mt w/ r	50.6
									139.64	139.92	2		4			139	141	G0791869	mass mt w/ r	47.2
									139.92	140.49	2		2			141	142.12	G0791870	mass mt	55.1
									140.49	142.12	3		3							
142.12	144.8	60	Sharp	Plagioclase porphyry	fresh and clean	142.12	144.8	EPID 1								142.12	144.8	G0791871	inter-ore dike	5.65
144.8	151.1	80	Sharp	Massive Magnetite	solid, coarse grained; som pyx, py veining; 20cm gt skarn @ 149.43	149.43	149.65	SKRN 5	144.8	146	3		2			144.8	146	G0791872	mass mt	66.5
									146	148.5	3		3			146	148	G0791873	mass mt	60.9
									148.5	149	10		3			148	150	G0791874	mass mt	57.4

Bore Hole	11-08B			North 5391179				Start	05/06/2011	az	235				Elev	478				
Logged By	Alexis Eapen and Tim Norri			East 388637				End 05/10/2011		dip	-45				TD	376.94				
Lithology						Alteration			Sulphide						Point Structures		Samples			
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po		depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %

From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	Alt. From (m)	Alt. To (m)	Alteration type(s) and intensity(s)	Sul. From (m)	Sul. To (m)	%py	%cpy	%po	depth (m)	description	Sample From (m)	Sample To (m)	Sample#	Description	Fe %
									149	149.43	1		1			150	151.1	G0791875	mass mt	57.5
									149.65	151.1	2		2							
151.1	151.77	55	Sharp	Mafic Dike	skarn alt at contacts	151.1	151.77	SKRN 3								151.1	151.77	G0791876	dike	6.71
151.77	153.52		Undulating	Massive Magnetite	solid, CG, large blebs of po, veins of py				151.77	153.52	3	0.1	5			151.77	153.96	G0791877	mt + mt-skar	47.8
153.52	153.96			Magnetite-Skarn	mt content decrease rapidly towards bottom contact	153.52	153.96	SKRN 3	153.52	153.96	5	0.1	5							
153.96	155.77			Skarn	sul rich w/ pyx>gt; py veins cutting po	153.96	155.77	SKRN 5	153.96	155.45	3	0.1	3			153.96	155.77	G0791879	skarn + sulpl	14.55
									155.45	155.77	5	0.1	10							
155.77	159.06	20	Sharp	Plagioclase porphyry	chilled margins at contacts	155.77	159.06	EPID 2								155.77	159.06	G0791880	inter-ore dike	6.49
159.06	166.9			Massive Magnetite	fairly homogeneous; weak carbonate veining; CG;	159.06	166.9	CARB 1	159.06	159.2	10		5			159.06	160	G0791881	mass mt	47.9
									159.2	159.4	3		1			160	162	G0791882	mass mt	59.5
									159.4	160	4		2			162	164	G0791883	mass mt	59
									160	162	2	0.2	2			164	165	G0791884	mass mt	60.8
									162	164	2	0.1	3			165	166.9	G0791885	mass mt	52.4
									164	166	3	0.1	3							
									166	166.9	4	0.1	2							
166.9	167.5	30	Sharp	Mafic Dike	FG	166.9	167.5	PROP 4 EPID 1								166.9	167.5	G0791886	mafic dike (ir	9
167.5	169.4	15	Sharp	Massive Magnetite	fair amount of pyx; gouge at lower contact; somewhat shattered				167.5	169.4	5	0.5	5			167.5	169.4	G0791887	mass mt	46.1
169.4	172.83		gouge	Mafic Dike	highly altered gradually decreseing towards bottom of section; mt present in fracts at 170.25-170.40m and 170.45-170.64m	169.4	170	EPID 3	170.45	170.65	5		5			169.4	170.69	G0791888	ore bracket	11.2
						170	170.45	SKRN 3	172.5	172.83	3					170.69	172	G0791890	ore bracket	8.02
						170.45	171	EPID 2												
						171	171.6	EPID 1												
						171.6	172	EPID 4												
						172	172.83	EPID 2												
172.83	174	35	Sharp	Plagioclase porphyry	chilled @ bottom contact	172.83	174	EPID 1												
174	241.39	50	Sharp	Qtz-Hbl-Diorite	CG, some mafic xenoliths and mineral segregations present; varibly skarn altered	174	204.22	TURM 1 EPID 2SKRN 2	209	211.3	1			209	mt vein	209	211.3	G0791891	skarned dior	6.11
						204.22	209	TURM 1 SKRN 3								228.83	230	G0791892	skarn	8.26
						209	211.3	SKRN 4								240	241.39	G0791893	skarn + conta	5.58
						211.3	212.34	SKRN 2 SILI 4												
						212.34	213.17	SKRN 3 SILI 3												
						213.17	214.06	SILI 4 EPID 1												
						214.06	215	EPID 2												
						215	222.5	TURM 1 EPID 1												
						222.5	224.2	SKRN 3												
						224.2	227.7	EPID 1 SILI 3												
						227.7	228.83	SKRN 4												
						228.83	229.4	SKRN 5												

Bore Hole	11-08B				North 5391179			Start 05/06/2011	az 235					Elev 478						
Logged By	Alexis Eapen and Tim Norri				East 388637			End 05/10/2011	dip -45					TD 376.94						
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
						229.4	229.84	EPID 3												
						229.84	231	SKRN 2 EPID 2												
						231	236	SKRN 4												
						236	239.7	SILI 4 EPID 1												
						239.7	241.39	SKRN 5												
241.39	246.78	90	Undulating	Marble	minor mt in fractures near upper contact; ep crystals grown with calcite grains; gypsum intergrowths;	246.21	246.34	EPID 3 CLOR 3						245.2	banding @ 55°	241.39	243	G0791894	marble at co	0.37
246.78	249.59	35	Sharp	qtz-biotite-diorite	very altered	246.78	249.59	SILI 4 SKRN 3												
249.59	250.63		irregular	Mafic Dike	fine-grained	249.59	250.63	SKRN 4 CLOR 2												
250.63	256.03		irregular	Marble	minor disseminated/fracture filling mt @ 253.50m															
256.03	256.4			Mafic Dike	fine-grained; plag-phyric	256.03	256.4	HEMT 1 CLOR 1EPID 3												
256.4	256.97	55	Undulating	Marble																
256.97	258.2			Mafic Dike	fine-grained; minor mt in fractures	256.97	258.2	SKRN 4 CLOR 3	258	258.4	2.5					256.97	258	G0791895	mafic dike w	11.95
																258	258.4	G0791896	mt-skarn	16.2
258.2	258.4			Magnetite-Skarn	~15%mt	258.2	258.4	SKRN 5												
258.4	258.73			dacite	fine-grained	258.4	258.73	EPID 1								258.4	259.47	G0791897	skarned maf	8.98
258.73	259.47			Mafic Dike	fine-grained	258.73	259.47	SKRN 4 CLOR 3												
259.47	259.84			Magnetite-Skarn	~40%mt	259.47	259.84	SKRN 5	259.47	259.84	3					259.47	259.84	G0791898	mt-skarn	21
259.84	263.32			Mafic Dike	fine-grained	259.84	260.84	CLOR 3 SKRN 3								259.84	261	G0791899	skarned maf	8.19
						260.84	263.32	SKRN 4												
263.32	264.03			Skarn	mostly scapolite, epidote	263.32	264.03	SKRN 5								264	265	G0791900	mt-skarn & s	8.81
264.03	264.27			Magnetite-Skarn	~5-20%mt	264.03	264.27	SKRN 5												
264.27	265.89			Mafic Dike	fine-grained	264.27	265.89	SKRN 4												
265.89	269		irregular	Marble	lots of vugs w/ carbonate infill															
269	269.69		irregular	Mafic Dike	some shearing at near top contact	269	269.69	SKRN 3												
269.69	272.27			Skarn	mostly epidote, scapolite; likely qtz-biot-diorite protolith	269.69	272.27	SKRN 5												
272.27	272.58			qtz-biotite-diorite	coarse-grained	272.27	272.58	SILI 3 SKRN 3												
272.58	272.72			Skarn	mostly garnet, epidote, some scapolite	272.58	272.72	SKRN 5												
272.72	273.06			Mafic Dike	fine-grained; possibly very altered qtz-biot-diorite	272.72	273.06	SKRN 4												
273.06	275.29			Plagioclase porphyry	glomeroporphyritic; equant plag phenos	273.06	275.29	CLOR 2 EPID 2												
275.29	278.72	35	Sharp	Mafic Dike	fine-grained; minor mt in fractures (up to 10% in some areas)	275.29	277.6	SKRN 2 EPID 2CLOR 2	275.5	276.1	6									
						277.6	278.72	SKRN 4												

Bore Hole	11-08B			North 5391179			Start	05/06/2011	az	235				Elev	478					
Logged By	Alexis Eapen and Tim Norri			East 388637			End 05/10/2011		dip	-45				TD	376.94					
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
278.72	279.74			Skarn	mostly pyroxene, scapolite, epidote, minor garnet; qtz-biot-diorite protolith	278.72	279.74	SKRN 5												
279.74	280.69			Mafic Dike	fine-grained	279.74	280.69	CLOR 3 SKRN 3	279.74	280.69	2									
280.69	281.15			Garnet-Pyroxene-Skarn	mostly pyroxene, some garnet	280.69	281.15	SKRN 5												
281.15	287			Basalt	fine-grained; amygdules present	281.15	281.44	SKRN 3	281.15	281.44	3.5					286	287	G0791901	basalt (ore e	8.72
						281.44	287	CLOR 1 EPID 1												
287	287.22			Massive Magnetite												287	288.32	G0791902	minor mass	26.2
287.22	287.37			Skarn	mostly actinolite	287.22	290.11	SKRN 5												
287.37	288.32			Magnetite-Skarn	mt in fractures of actinolite skarn															
288.32	289.5			Skarn	mostly actinolite, minor mt in fractures											288.32	289.5	G0791903	actinolite ska	9.31
289.5	290.11			Magnetite-Skarn												289.5	290.11	G0791904	mt-skarn	15.4
290.11	292.24			Mafic Dike	fine-grained; minor mt in fractures	290.11	292.24	SKRN 3	290.11	292.24	7					290.11	291	G0791905	skarned maf	11.7
292.24	293.47			Garnet-Pyroxene-Skarn		292.24	314.68	SKRN 5								293	294	G0791906	skarn + mt-s	14
293.47	294.15			Magnetite-Skarn																
294.15	312.91			Skarn	minor mt in fractures (~<1%mt); 297.30-298.31m:mt in fractures(~5%mt); mostly pyroxene, actonlite, some garnet, scapolite, minor epidote				294.15	312.91	2					297	298.34	G0791907	skarn w/ mt	11.8
																298.34	300	G0791919	actinolite ska	8.22
																298.34	300	G0791908	actinolite ska	7.97
																312	314	G0791909	mt-skarn + s	9.92
312.91	313.45			Magnetite-Skarn	~10%mt				312.91	313.45	3									
313.45	314			Skarn	mostly pyroxene															
314	314.68			Magnetite-Skarn					314	314.68	3					314	314.68	G0791910	mt-skarn	13.05
314.68	319.73			Basalt	fine-grained	314.68	319.73	SKRN 3								314.68	316	G0791911	skarned basa	6.47
319.73	321			Skarn	basalt/MD protolith? Minor mt in fractures	319.73	321	SKRN 5								320	321	G0791912	skarn	12.25
321	321.2			Massive Sulphide	mostly pyrrhotite				321	322	4	1	50			321	322	G0791913	50% massive	38.4
321.2	321.3			Skarn		321.2	321.44	SKRN 5												
321.3	321.35			Massive Sulphide	mostly pyrrhotite															
321.35	321.44			Skarn										321.4	1cm mass sulph vein					
321.44	322			Massive Sulphide	mostly pyrrhotite, some pyrite, very minor chalcopyrite															
322	355			Skarn	likely basalt/md protolith; minor mt in fractures	322	355	SKRN 5	322	348.71	2.5	0.3	0.5			322	324	G0791914	skarn w/ min	13.05
									348.71	348.79	40		40			348	350	G0791915	skarn w/ min	10.25
									348.79	350.17	0.8					350	352	G0791916	skarn w/ min	13.45

Bore Hole	11-08B	North 5391179	Start	05/06/2011	az	235	Elev	478	
Logged By	Alexis Eapen and Tim Norri	East 388637	End 05/10/2011		dip	-45	TD	376.94	

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
									350.17	351.46	1	0.3	2			352	354	G0791917	skarn w/ min	14.15
									351.46	351.6			60			354	355.21	G0791918	skarn w/ min	16.35
									351.6	354	2		2							
									354	355	0.8		4							
355	364.27			Marble	disseminated/stringer mt from 355.01-355.21m	355	364.27	TURM 1								355.21	356	G0791920	marble	0.37
364.27	367.33			Mafic Dike	or basalt?	364.27	367.33	SKRN 4	364.27	367.33	1.5									
367.33	376.94		irregular	Marble																

Bore Hole	11-07B	North 5391085	Start	05/02/2011	az	200	Elev	488
Logged By	Alexis Eapen	East 388705	End 05/06/2011		dip	-60	TD	435.86

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
0	14.14			Casing	made up of glacial till; and qtz-biot-diorite, mafic dike boulders															
14.14	21.2			qtz-biotite-diorite	coarse-grained	14.14	20.43	SILI 2 EPID 1												
						20.43	21.2	SILI 3 SKRN 2												
21.2	22.08			Garnet-Pyroxene-Skarn	qtz-biot-diorite protolith	21.2	22.08	SKRN 5								21.2	22.74	G0791761	gt-px-skarn v	9.32
22.08	22.44	25	Undulating	Mafic Dike	fine-grained; plag-phyric; quite fresh, unaltered															
22.44	22.74			Garnet-Pyroxene-Skarn		22.44	22.74	SKRN 5												
22.74	23.61		irregular	Massive Magnetite					22.74	23.61	1					22.74	23.61	G0791762	mass mt	55.3
23.61	28.04			Mafic Dike	fine-grained	23.61	28.04	SKRN 4 CLOR 2								23.61	25	G0791763	skarned MD	11.35
28.04	36.68		irregular	Marble	quite 'dirty' marble; lots of vugs w/ calcite, organic matter infill; marble gouge at bottom contact															
36.68	42.33			Mafic Dike	fine-grained; moderately shattered core	36.68	42.33	CLOR 2 EPID 2CARB 2												
42.33	43.86			Marble	very 'dirty' marble; lots of vugs w/ organic matter infill															
43.86	45.92			Mafic Dike	brecciated	43.86	45.92	SKRN 4 HEMT 2CLOR 2												
45.92	46.31			qtz-biotite-diorite	coarse-grained; w/ minor mafic dike clasts	45.92	46.31	SILI 4 EPID 2												
46.31	46.94			Mafic Dike	fine-grained; possible a hbl-dacite?	46.31	46.94	CLOR 2 EPID 1												
46.94	48.16			qtz-biotite-diorite	coarse-grained; minor mafic dike clasts present	46.94	48.16	SILI 3 EPID 2												
48.16	48.63		irregular	Mafic Dike	fine-grained	48.16	48.63	EPID 3 CARB 3CLOR 2												
48.63	52.12	50	Sheared	Marble	very 'dirty' marble; lots of banding									49.25	banding @ 55°					
52.12	53.86		irregular	Mafic Dike	fine-grained; brecciated then annealed near top contact	52.12	53.86	CLOR 3 EPID 2								52.12	53	G0791764	brecciated m	4.59
53.86	54.87			qtz-biotite-diorite	coarse-grained	53.86	54.53	SILI 3 EPID 3HEMT 2												
54.87	57.72		irregular	Marble					57.06	57.27	15									
57.72	58.03			Skarn		57.72	58.03	SKRN 5	57.72	58.03	2.5									
58.03	59.36	80	Undulating	Marble																

Bore Hole	11-07B			North 5391085			Start	05/02/2011	az	200				Elev	488					
Logged By	Alexis Eapen			East 388705			End 05/06/2011		dip	-60				TD	435.86					
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
59.36	63.82		irregular	Plagioclase porphyry	very altered; could be highly recrystallized mafic dike or very altered qtz-biot-diorite	59.36	63.82	SILI 4 EPID 2CLOR 1								59.36	61	G0791765	silicified plag	5.19
63.82	74.59			qtz-biotite-diorite	coarse-grained; moderately shattered core; weakly magnetic in the more mafic segregations of the qtz-biot-diorite	63.82	66.74	SILI 3 EPID 2												
						66.74	66.96	CLOR 1												
						66.96	74.59	SILI 3 EPID 2												
74.59	79.59			Horneblende-Pyroxene-Feldspar-Gabbro	med-grained	74.59	79.25	CLOR 3 EPID 1												
						79.25	79.44	EPID 3 SILI 3												
						79.44	79.59	CLOR 3 EPID 1												
79.59	90.3			qtz-biotite-diorite	coarse-grained; minor mafic dike clasts present	79.59	90.3	SILI 3 EPID 2												
90.3	93.25			Horneblende-Pyroxene-Feldspar-Gabbro	med-grained	90.3	93.25	CLOR 4 EPID 2												
93.25	96.13		irregular	qtz-biotite-diorite	corase-grianed	93.25	96.13	SILI 3 SKRN 2EPID 2												
96.13	96.87			Marble	lots of vugs w/ clacite, organic matter, mt infill; diseeminated/stringer mt from 96.13-97.94m											96.13	97.94	G0791766	marble w/ di	9.5
96.87	96.94			Magnetite-Skarn																
96.94	97.21			Mafic Dike	fine-grained; minor mt in fractures	96.94	97.21	CLOR 3												
97.21	99.21			Marble	continued disseminated/stringer mt until 97.94m.															
99.21	99.69			Mafic Dike	fine-grained; plag-phyric	99.21	99.69	SKRN 2 CLOR 2												
99.69	100.07			Skarn		99.69	100.07	SKRN 5	99.69	100.07	3					99.69	100.07	G0791767	skarn	7.19
100.07	101.25			Marble																
101.25	102.1			Mafic Dike	fine-grained; plag-phyric	101.25	102.1	CLOR 2 EPID 2												
102.1	105.64			Horneblende-Pyroxene-Feldspar-Gabbro	med-grained	102.1	105.64	CLOR 1 EPID 2												
105.64	109.74	35	Undulating	Plagioclase porphyry		105.64	109.74	CLOR 2 EPID 2												
109.74	113.73		irregular	Marble	dirty' marble															
113.73	115.08			Mafic Dike	fine-grained; plag-phyric	113.73	115.08	EPID 1 CLOR 2												
115.08	115.43	20	Sharp	Marble																
115.43	117.75	10	Sharp	Mafic Dike	fine-grained	115.43	117.75	SKRN 3 CLOR 2												
117.75	118.08	35	Sharp	Marble																
118.08	120.04	50	irregular	Skarn		118.08	120.04	SKRN 5	118.08	120.04	5					118.08	120.04	G0791768	skarn	6.93
120.04	122.83	35	Sharp	Marble																

Bore Hole	11-07B		North 5391085				Start	05/02/2011	az	200				Elev	488					
Logged By	Alexis Eapen		East 388705				End 05/06/2011		dip	-60				TD	435.86					
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
122.83	123.49	30	Undulating	Mafic Dike	fine-grained; very shattered core	122.83	123.49	CLOR 4 HEMT 1												
123.49	130.62			Marble	minor mafic dike (1/3 of core), parallel; is brecciated, annealed; mt stringers from 126.95-127.30m											126	128	G0791771	marble w/ ve	0.65
130.62	131.45	30	Undulating	Mafic Dike	fine-grained	130.62	131.45	SKRN 3 CLOR 3								130.62	131.45	G0791769	altered mafic	5.16
131.45	134.1	30	Sharp	Marble																
134.1	138.5		irregular	Mafic Dike	fine-grained; very shattered core	134.1	138.5	CLOR 4 SKRN 2												
138.5	144.48			Marble																
144.48	145.59	60	irregular	Mafic Dike	fine-grained; very shattered core	144.48	145.59	CLOR 3 EPID 2HEMT 2								144.48	145.59	G0791770	altered mafic	4.94
145.59	148.8		irregular	Marble																
148.8	149.18	45	irregular	Mafic Dike	fine-grained; very shattered core	148.8	149.18	CLOR 3 SKRN 2												
149.18	174.78			Marble																
174.78	175.24			Mafic Dike	fine-grained	174.78	175.24	SKRN 3	174.78	175.24	1.5									
175.24	175.95	25	Undulating	Skarn																
175.95	187.07	50	Sharp	Marble										179.1	2cm mt stringer					
187.07	188			Mafic Dike	fine-grained	187.07	188	CLOR 2 EPID 2HEMT 1												
188	191.38			Marble																
191.38	192.74	35	Sharp	Mafic Dike	fine-grained; moderately shattered core	191.38	192.74	CLOR 1 HEMT 1												
192.74	206.6			Marble																
206.6	207.26	20	Undulating	Mafic Dike	fine-grained	206.6	207.26	CLOR 2												
207.26	208.2			Marble																
208.2	208.54		irregular	Mafic Dike	fine-grained; very shattered core	208.2	208.54	CLOR 4 EPID 3												
208.54	209.81	60	Sharp	Marble																
209.81	210.06		irregular	Skarn	mostly pyroxene,and minor epidote, scapolite	209.81	210.06	SKRN 5	209.81	210.06	1.5									
210.06	210.66		irregular	Mafic Dike	fine-grained; plag-phyric	210.06	210.66	CLOR 2 EPID 2												
210.66	214.3			Horneblende-Pyroxene-Feldspar-Gabbro	coarse-grained	210.66	214.3	CLOR 2 EPID 3HEMT 1								210.66	212	G0791772	hbl-felds-pyx	7.43
																210.66	212	G0791779	hbl-felds-pyx	7.75
214.3	215.53	30	Undulating	Marble																
215.53	224.2	20	irregular	Horneblende-Pyroxene-Feldspar-Gabbro	corase-grained; moderately shattered core	215.53	224.2	EPID 3 CLOR 2HEMT 1												
224.2	225.32	60	Sharp	Marble										224.6	4cm clay seam					
225.32	225.56	30	irregular	Skarn	possibly hornblende-pyroxene-feldspar gabbro protolith? Brecciated; faulted?	225.32	225.56	SKRN 5												

Bore Hole	11-07B	North 5391085	Start	05/02/2011	az	200	Elev	488
Logged By	Alexis Eapen	East 388705	End 05/06/2011		dip	-60	TD	435.86

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
225.56	226.28		irregular	Marble																
226.28	228.21		irregular	Plagioclase porphyry		226.28	228.21	EPID 2 CLOR 2												
228.21	230.7	20	irregular	Marble																
230.7	234.44	80	Sharp	Mafic Dike	fine-grained; moderately shattered core	230.7	234.44	CLOR 2 EPID 3												
234.44	240.84	70	Sharp	Marble	gypsum in fractures	240.15	240.32	CLOR 2 EPID 2												
240.84	241.85	55	irregular	Plagioclase porphyry	smaller plag phenos than usual (~1-2mm)	240.84	241.85	SKRN 2 CLOR 2												
241.85	249.83	20	Undulating	Marble																
249.83	250.22			Skarn		249.83	250.22	SKRN 5												
250.22	269.25	65	Sharp	Marble	very minor blebbed mt @ 260.94m	259.92	268.53	SILI 5 CARB 2	268.53	268.83	1.5									
						268.53	268.83	SKRN 4												
						268.83	269.25	SILI 5 CARB 2												
269.25	269.59		irregular	Mafic Dike	fine-grained	269.25	269.59	HEMT 2 SKRN 3CLOR 2												
269.59	272.74	65	Sharp	Marble	gypsum from 271.89-271.96m	271.71	271.89	SKRN 3								271.89	272.74	G0791773	very altered	0.38
						271.96	272.74	SILI 4 EPID 2												
272.74	274.67			Mafic Dike	fine-grained; plag-phyric	272.74	274.67	SKRN 2 EPID 2CLOR 1												
274.67	275.14	55	Sharp	Marble																
275.14	276.25		irregular	Plagioclase porphyry	moderately shattered core	275.14	276.25	CLOR 2 HEMT 1EPID 2												
276.25	279.85		irregular	Marble		276.41	278.94	SILI 4 CARB 1												
279.85	281.5	30	Undulating	Porphyritic gabbro	could be finer-grained hornblende-pyroxene-feldspar-gabrro?	279.85	281.5	EPID 2 CLOR 2HEMT 1												
281.5	295.82	15	Undulating	Marble		284.19	285.99	SILI 5						291	mineral banding @ 35°					
295.82	296.14			Mafic Dike	fine-grained; brecciated, annealed	295.82	296.14	CLOR 4 EPID 2												
296.14	320.3	30	Sharp	Marble	gypsum in fractures															
320.3	322.74		irregular	Mafic Dike	fine-grained	320.3	322.74	SKRN 4	320.3	322.74	3			321	6cm marble clast	320.3	322.74	G0791774	skarned maf	7.15
322.74	337.18	50	Undulating	Marble		322.85	322.99	SKRN 5	322.85	322.99	3.5									
337.18	339.54	65	Sharp	Mafic Dike	fine-grained; moderately magnetic	337.18	339.54	CLOR 2 EPID 2												
339.54	347.39	40	Undulating	Marble																
347.39	349.23			Basalt	sheared	347.39	349.23	CLOR 4 EPID 2								347.39	349.23	G0791775	sheared bas	7.24
349.23	349.67			Marble																
349.67	372.88			Basalt	fine-grained; from 351.47-372.88; mt in fractures; amygdules present	349.67	372.88	CLOR 3 EPID 2								349.67	351	G0791776	magnetic ba	6.7
																351	353	G0791777	magnetic ba	8.31
																353	355	G0791778	magnetic ba	8.61
																355	357	G0791780	magnetic ba	8.64
																357	359	G0791781	magnetic ba	8.54

Bore Hole	11-07B			North 5391085				Start	05/02/2011	az 200					Elev 488						
Logged By	Alexis Eapen			East 388705				End 05/06/2011		dip -60					TD 435.86						
Lithology						Alteration			Sulphide						Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po		depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
372.88	373.71			Plagioclase porphyry		372.88	435.86	CLOR 2 EPID 2													
373.71	388.04			Basalt	fine-grained; amygdules present; moderately magnetic																
388.04	388.68			Plagioclase porphyry																	
388.68	400.17			Basalt	fine-grained; amygdules present; weakly to moderately magnetic																
400.17	401.97			Plagioclase porphyry																	
401.97	402.95			Basalt	fine-grained; amygdules present; weakly to moderately magnetic																
402.95	403.95			Plagioclase porphyry																	
403.95	435.86			Basalt	fine-grained; amygdules present; weakly-moderately magnetic																

Bore Hole	11-06B	North	5391150	Start	22/04/2011	az	260	Elev	501
Logged By	Alexis Eapen	East	388586	End	05/02/2011	dip	-55	TD	655.32

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
0	11.39			Casing	madeup of qtz-biot-diorite, mafic dike, plag porphyry boulders															
11.39	19.92			qtz-biotite-diorite	coarse-grained; w/ Mafic dike clasts throughout; moderately	11.39	16.85	EPID 1												
						17.11	19.92	EPID 1												
19.92	20.32		irregular	Mafic Dike	fine-grained; quite fresh, unaltered															
20.32	31.17	10	irregular	qtz-biotite-diorite	coarse-grained; moderately magnetic; closer to diorite in some areas	20.32	31.17	EPID 2 SILI 2								21	23	G0791724	magnetic qtz	5.16
31.17	34.37			Porphyritic gabbro	glomeroporphyritic; sub-equant plag phenos	31.17	33.7	EPID 2 CLOR 1												
						33.7	33.85	EPID 1 SILI 2												
						33.85	34.37	EPID 2 CLOR 1												
34.37	37.46	65	Sharp	qtz-biotite-diorite	coarse-grained; moderately magnetic	34.37	37.46	EPID 3 SILI 2												
37.46	37.81		irregular	Mafic Dike	fine-grained; plag-phyric; quite fresh, unaltered															
37.81	38.45		irregular	qtz-biotite-diorite	coarse-grained; minor mafic dike clasts present; at 38.02m, mt present (~5cm fracture fill)	37.81	38.45	EPID 2 SILI 3	37.81	38.45	1.5					37.81	38.45	G0791725	qtz-biot-diori	7.03
38.45	39.26		irregular	Mafic Dike	fine-grained	38.45	39.26	EPID 1												
39.26	40.32			qtz-biotite-diorite	coarse-grained; moderately magnetic; minor sub-angular mafic dike clasts throughout	39.26	40.32	EPID 2 SILI 3	39.26	40.32	1.5									
40.32	43.3		irregular	Mafic Dike	fine-grained; minor qtz-biot-diorite fingers present; plag-phyric in some areas	40.32	43.3	EPID 2 CLOR 1												
43.3	46.45			qtz-biotite-diorite	grades to diorite in some areas	43.3	46.45	SILI 3 SKRN 2	43.3	46.45	1									
46.45	48.3			Mafic Dike	fine-grained	46.45	48.3	CLOR 2 EPID 2	46.45	48.3	0.7									
48.3	50.44	70	Sharp	qtz-biotite-diorite	coarse-grained; weakly magnetic; minor mafic dike clasts present	48.3	50.44	EPID 2 SILI 3												
50.44	57.35	65	Sharp	Mafic Dike	fine-grained; plag-phyric	50.44	51.2	CLOR 1 EPID 2	50.44	57.35	2					51.82	53	G0791726	mafic dike w.	6.33
						51.2	51.32	SILI 2 EPID 1												
						51.32	52.51	CLOR 1 EPID 2												
						52.51	52.56	SILI 4												

Bore Hole	11-06B			North 5391150			Start 22/04/2011		az	260				Elev	501					
Logged By	Alexis Eapen			East 388586			End 05/02/2011		dip	-55				TD	655.32					
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
						52.56	57.35	CLOR 1 EPID 2												
57.35	58.74			Plagioclase porphyry	moderately magnetic	57.35	58.74	CLOR 2 EPID 1												
58.74	59.97			Mafic Dike	fine-grained	58.74	59.97	CLOR 2	58.74	59.97	1.5									
59.97	60.59	75	irregular	qtz-biotite-diorite	coarse-grained	59.97	60.59	SKRN 2 SILI 3												
60.59	61.04	75	Sharp	Mafic Dike	fine-grained	60.59	61.04	CLOR 2 EPID 2												
61.04	61.99			qtz-biotite-diorite	coarse-grained; very shattered core	61.04	61.99	SILI 3 EPID 2												
61.99	70.58			Porphyritic gabbro	sub-equant phenos; glomeroporphyritic; moderately shattered core	61.99	70.58	CLOR 1 EPID 2												
70.58	72.88	60	irregular	Plagioclase porphyry	equant plag phenos; different from above porph gabbro	70.58	72.88	EPID 2 CLOR 2												
72.88	78.16	55	Sharp	Mafic Dike	fine-grained	72.88	78.16	EPID 1 CLOR 1	72.88	78.16	2									
78.16	82.54			Horneblende-Pyroxene-Feldspar-Gabbro	coarse-grained	78.16	82.54	EPID 2 CLOR 1												
82.54	87.57			Mafic Dike	fine-grained; moderately shattered	82.54	87.57	EPID 1 CLOR 2												
87.57	90.91			Porphyritic gabbro	sub-equant phenos	87.57	90.91	EPID 2												
90.91	91.96			Mafic Dike	fine-grained	90.91	91.96	CLOR 2	90.91	91.96	0.9		0.6							
91.96	92.68			Granodiorite	coarse-grained	91.96	92.68	CLOR 1												
92.68	100.89			Mafic Dike	fine-grained; red mineral disseminated throughout (biotite? Soft, scrapes off easily)	92.68	100.89	CLOR 2	92.68	100.89	0.8									
100.89	104.6			Porphyritic gabbro	sub-equant plag phenos	100.89	104.6	CLOR 2 EPID 2												
104.6	114.97			Mafic Dike	fine-grained	104.6	114.97	CLOR 2 EPID 1												
114.97	119.88	30	irregular	qtz-biotite-diorite	coarse-grained	114.97	115.76	EPID 2 SILI 3												
						115.76	116.28	SILI 4 EPID 2												
						116.28	119.88	EPID 2 SILI 3												
119.88	121.72			Mafic Dike	fine-grained; possible amygdules? Basalt/andesite?	119.88	121.72	CLOR 2 EPID 2												
121.72	123.7		irregular	qtz-biotite-diorite	coarse-grained; moderately shattered	121.72	123.7	SILI 3 EPID 2												
123.7	126.84			Mafic Dike	fine-grained	123.7	126.84	CLOR 2 SKRN 3												
126.84	127.93			qtz-biotite-diorite	coarse-grained	126.84	127.93	SILI 3 EPID 2												
127.93	136.23	40	Undulating	Mafic Dike	fine-grained; quite altered	127.93	136.23	CLOR 3 EPID 2												
136.23	139.92			Plagioclase porphyry	equant to sub equant plag phenos	136.23	139.92	EPID 3												
139.92	188.85		irregular	Mafic Dike	fine-grained; from 140.21-142.57m: bleached looking; light grey green; 142.57-146.09m: plag-phyric	139.92	140.21	CLOR 2												
						140.21	142.57	SKRN 3												

Bore Hole	11-06B				North 5391150			Start 22/04/2011		az	260			Elev	501					
Logged By	Alexis Eapen				East 388586			End 05/02/2011		dip	-55			TD	655.32					
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
						142.57	146.09	CLOR 1 EPID 1												
						146.09	147.3	SKRN 3												
						147.3	151.88	EPID 1 CLOR 2												
						151.88	152.06	SILI 4 CARB 2												
						152.06	152.1	EPID 1 CLOR 2												
						152.1	152.4	SKRN 4												
						152.4	155.2	CLOR 2 EPID 2												
						155.2	155.65	EPID 3												
						155.65	156.86	CLOR 2 EPID 2												
						156.86	157.04	SILI 5												
						157.04	188.55	CLOR 2 EPID 2												
188.85	192.57			Porphyritic gabbro		188.85	192.57	EPID 2 CLOR 1												
192.57	194.32			Mafic Dike	fine-grained; moderately shattered	192.57	193.42	SKRN 3 CLOR 3								192.57	194.32	G0791728	mafic dike (s	9.35
						193.42	194.32	SKRN 4												
194.32	194.68			Magnetite-Skarn	gt-px-skarn + magnetite											194.32	195.68	G0791729	skarn + mt-s	15.75
																194.32	195.68	G0791744	mt-skarn + s	18.45
194.68	195.68			Skarn	w/ minor mt in fractures	194.68	195.68	CLOR 3 SKRN 5												
195.68	197.45			Magnetite-Skarn												195.68	197.45	G0791730	mt-skarn	33.1
197.45	198.54			Mafic Dike	fine-grained; plag-phyric	197.45	198.54	SKRN 3								197.45	198.54	G0791731	mafic dike w	9.8
198.54	198.95			Magnetite-Skarn	mt in fractures; ~10-20%mt											198.54	200	G0791732	mt-skarn	15.75
198.95	199.68			Mafic Dike	fine-grained; minor mt in fractures	198.95	199.68	CLOR 3 EPID 2												
199.68	201.45			Magnetite-Skarn	moderately shattered											200	201.45	G0791733	mt-skarn	18.1
201.45	201.97			Massive Magnetite	moderately shattered											201.45	201.97	G0791734	mass mt	52.1
201.97	203.37			Magnetite-Skarn												201.97	203.37	G0791735	mt-skarn	22.4
203.37	203.73			Garnet-Pyroxene-Skarn	mafic dike protolith; minor mt in fractures	203.37	203.73	SKRN 5								203.37	205.86	G0791736	gt-px-skarn +	10.8
203.73	205.86			Mafic Dike	fine-grained; w/ minor mt in fractures; highly shattered core	203.73	205.86	SKRN 3												
205.86	206.47			Skarn	mafic dike protolith	205.86	206.47	SKRN 5												
206.47	210.39			Mafic Dike	fine-grained	206.47	210.39	SKRN 3 CLOR 2												
210.39	211.61		irregular	qtz-biotite-diorite	highly altered	210.39	211.61	SILI 4 SKRN 4												
211.61	219.2	20	Undulating	Mafic Dike	fine-grained; minor mt in fractures	211.61	219.2	SKRN 3	211.61	219.2	2					217.99	219.2	G0791737	mafic dike (c	9.7
219.2	221.6			Massive Magnetite					219.2	219.78	2	0.5	2			219.2	221.6	G0791738	mass mt	55.1
									219.78	219.92	5	1	80							
									219.92	221.6	1	0.7	2							
221.6	222.62			Skarn	minor mt in fractures	221.6	222.62	CLOR 3	221.6	222.62	2	0.8	2			221.6	222.81	G0791739	skarn w/ min	16.8
222.62	222.81			Massive Magnetite					222.62	222.81	1.5		1.5							
222.81	224			Mafic Dike	fine-grained	222.81	224	CLOR 3 EPID 2								222.81	224	G0791740	mafic dike (ir	12.45
224	224.83			Massive Magnetite					224	224.83	1.5		1			224	224.83	G0791741	mass mt	42.2
224.83	226.58	40	irregular	Mafic Dike	fine-grained	224.83	226.58	SKRN 4								224.83	226.58	G0791742	skarned maf	11.35
226.58	233.77			qtz-biotite-diorite	coarse-grained	226.58	233.77	SKRN 4 SILI 3												
233.77	234.58			Mafic Dike	fine-grained	233.77	234.58	SKRN 3												

Bore Hole	11-06B			North 5391150			Start 22/04/2011		az	260				Elev	501					
Logged By	Alexis Eapen			East 388586			End 05/02/2011		dip	-55				TD	655.32					
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
234.58	235.09		irregular	qtz-biotite-diorite	very altered	234.58	235.09	SILI 4 SKRN 3								234.58	235.58	G0791743	qtz-biot-diori	3.93
235.09	235.36	75	Sharp	Mafic Dike	fine-grained; plag-phyric	235.09	235.36	EPID 2 CLOR 1												
235.36	235.58		irregular	qtz-biotite-diorite	highly altered	235.36	235.58	SILI 5 SKRN 3												
235.58	246.06			Massive Magnetite					235.58	237	1.5		0.7			235.58	237	G0791745	mass mt	59.6
									237	239	1.5	0.5	2			237	239	G0791746	mass mt	61.4
									239	241	1.5	0.8	3			239	241	G0791747	mass mt	63.8
									241	243	1	0.4	2			241	243	G0791748	mass mt	63.3
									243	245	2		3			243	245	G0791749	mass mt	61.9
									245	246.06	3	0.5	1			245	246.06	G0791750	mass mt	53.9
246.06	247.07	40	Sharp	Mafic Dike	246.06-246.49m:annealed gouge; minor mt in fracts	246.06	247.07	SKRN 3 CLOR 4								246.06	247.07	G0791751	mafic dike; g	15
247.07	255.61			qtz-biotite-diorite	coarse-grained	247.07	253.56	SILI 4 SKRN 3												
						253.56	253.9	CLOR 2 EPID 1												
						253.9	255.61	SILI 4 SKRN 3												
255.61	256.2			Mafic Dike	fine-grained	255.61	256.2	CLOR 1												
256.2	296.57	15	Sharp	qtz-biotite-diorite	coarse-grained	256.2	258.72	EPID 2 SILI 4												
						258.72	258.99	EPID 2 CLOR 2												
						258.99	259.78	EPID 2 SILI 4												
						259.78	259.92	CLOR 4												
						259.92	260	EPID 2 SILI 4												
						260	266.01	SKRN 3 SILI 3												
						266.01	266.11	CLOR 1												
						266.11	296.57	SKRN 3 SILI 3												
296.57	300.76	15	irregular	Porphyritic gabbro	sub-equant phenos	296.57	300.76	EPID 3 CLOR 2												
300.76	305.7			qtz-biotite-diorite	coarse-grained	300.76	305.7	SILI 3 SKRN 2CLOR 2												
305.7	316.22			Marble	altered marble near top contact; completely obliterated and talc altered; very soapy, soft, brittle; the rest of the marble is very vuggy, with calcite, organic matter, anhydrite,? And Talc infill. Marble is very 'dirty' and has lots of mafic clasts/inclu	305.7	305.9	TALC 5						308.8	banding @ 25°	305.7	306.7	G0791752	altered marb	6.16
														310.7	banding @ 35°					
														315.3	banding @ 30°					
316.22	317.61	25	Sharp	Mafic Dike	fine-grained; plag-phyric	316.22	317.61	SKRN 2 CLOR 2												
317.61	319.12			Marble	lime green and blue mineral infill in fractures															
319.12	322.96	30	Undulating	Basalt	fine-grained; amygdules present	319.12	322.96	CLOR 2 EPID 1												

Bore Hole	11-06B			North 5391150			Start 22/04/2011		az 260					Elev 501						
Logged By	Alexis Eapen			East 388586			End 05/02/2011		dip -55					TD 655.32						
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
322.96	325.96	25	Sharp	Plagioclase porphyry	glomeroporphyritic; equant plag phenos	322.96	325.96	CLOR 2 EPID 2												
325.96	326.02	30	Sharp	Marble																
326.02	328.73			Skarn		326.02	328.73	SKRN 5	326.02	328.73	1					326.02	328	G0791753	skarn	5.77
328.73	333		irregular	Marble	lots of skarn/MD/basalt clasts; marble is 'dirty', lots of banding	331.54	331.74	SKRN 5						332.5	banding @ 50°					
333	333.32	30	Sharp	Skarn	brecciated	333	333.32	SKRN 5								333	333.62	G0791754	skarn	4.41
333.32	333.62			Mafic Dike	brecciated	333.32	333.62	CLOR 3 SKRN 2	333.32	333.62	4									
333.62	342			Marble	clasts of skarn throughout	339.38	339.56	SKRN 5	339.38	339.56	2			335.5	banding @ 20°	339	339.56	G0791755	skarn breccia	4.87
						341.42	341.73	SKRN 5	341.42	341.73	1.5	0.5	2	338.9	banding @ 70°					
342	342.64			Skarn		342	342.64	SKRN 5												
342.64	343.86			Marble																
343.86	344.64	35	Sharp	Skarn		343.86	344.64	SKRN 5	343.86	344.64	2		2							
344.64	348.39			Marble	clasts of skarn throughout															
348.39	350.73	55	Undulating	Garnet-Pyroxene-Skarn		348.39	350.73	SKRN 5	348.39	350.73	3					348.39	350.73	G0791756	skarn	6.08
350.73	359.49	25	Undulating	Marble																
359.49	360.14			Skarn		359.49	360.14	SKRN 5	359.49	360.14	3									
360.14	363.36		irregular	Marble	silicified from 361.71-362.90m	361.71	362.9	SILI 5 CARB 1												
363.36	367.48			Mafic Dike	fine-grained	363.36	367.48	CLOR 2 EPID 2												
367.48	380.69	35	Sheared	Marble		374.08	374.21	CLOR 5												
380.69	390.88	40	Undulating	Mafic Dike	fine-grained; shattered core	380.69	390.88	CLOR 3 EPID 2												
390.88	394.2		irregular	Marble																
394.2	395.7	15	irregular	Skarn		394.2	395.7	SKRN 5	394.2	395.7	4					394.2	395.7	G0791757	skarn	5.61
395.7	395.9	20	Sharp	Marble																
395.9	396.34		irregular	Mafic Dike	fine-grained	395.9	396.34	CLOR 3 EPID 2												
396.34	403.13	30	Sharp	Marble																
403.13	410.06	70	irregular	Plagioclase porphyry	moderately shattered core	403.13	410.06	CLOR 3 EPID 2HEMT 2												
410.06	471.95	75	Undulating	Marble	silicified in many areas	410.3	420.76	SILI 5 CARB 1												
						420.76	427.2	SILI 4												
						429	430.9	SILI 5												
						432.82	433.7	SILI 3												
						433.7	448.07	SILI 2												
						448.07	448.57	SILI 5												
						448.57	450	SILI 5												
						450	461.83	SILI 5												
						469.6	471.95	SILI 5												
471.95	474.66	60	Sharp	Mafic Dike	fine-grained; moderately shattered; silicified	471.95	474.66	SILI 4 CLOR 2EPID 1								471.95	474.66	G0791758	silicified mafi	2.07
474.66	491.5		irregular	Marble	silicified in many areas	474.66	476.64	SILI 5								474.66	476	G0791759	silicified mar	0.43
						478.39	479.32	SILI 5												
						479.32	487	SILI 4												

Bore Hole	11-06B	North	5391150	Start	22/04/2011	az	260	Elev	501
Logged By	Alexis Eapen	East	388586	End	05/02/2011	dip	-55	TD	655.32

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
491.5	497.09	30	Sharp	Basalt	fine-grained; amygdules present; moderately shattered	491.5	497.09	CLOR 2 EPID 1												
497.09	508.8	30	irregular	Marble	minor mt in fractures at top contact	505.57	505.84	CLOR 3 EPID 3												
508.8	515.71	28	Undulating	Basalt	fine-grained; amygdules present	508.8	515.71	EPID 1 CLOR 2												
515.71	516.8	30	Sharp	Marble	minor mt in fractures throughout															
516.8	521.13	20	Undulating	Basalt	fine-grained; mt in fractures	516.8	521.13	CLOR 2 EPID 2												
521.13	521.47		irregular	Marble	mt at top contact															
521.47	523	65	irregular	Basalt	fine-grained; mt in fractures; increased disseminated/ fracture filled mt at last 20 cm of bottom contact (~5% mt)	521.47	523	CLOR 2 EPID 2								521.47	523	G0791760	basalt/md w/	8.16
523	545.15	30	Undulating	Marble																
545.15	548.17	35	Sharp	Basalt	fine-grained; amygdules present; weakly magnetic	545.15	548.17	CLOR 2 EPID 1												
548.17	552.17	35	Sharp	Marble																
552.17	552.51	40	irregular	Plagioclase porphyry	altered; some feldspar phenos replaced by pyroxene	552.17	552.51	SILI 4 EPID 2HEMT 2												
552.51	571.62	40	Sharp	Marble		568.1	568.28	CLOR 3 EPID 1												
571.62	574.74		irregular	Mafic Dike	fine-grained; (basalt?); plag-phyric	571.62	574.74	EPID 2 CLOR 2HEMT 1												
574.74	578.46	60	irregular	Marble	lots of vugs/fractures w/ some calcite and gypsum infill															
578.46	580.34	50	Undulating	Mafic Dike	fine-grained; (basalt?)	578.46	580.34	EPID 2 CLOR 2												
580.34	582.5	30	Undulating	Marble																
582.5	584.5		irregular	micro-gabbro		582.5	584.5	SKRN 3												
584.5	584.82	35	Undulating	Marble																
584.82	585.12	55	Sharp	Mafic Dike	fine-grained; with 5cm of mt @ 585.07m (bottom contact)															
585.12	623.81		irregular	Marble																
623.81	625.11		irregular	Mafic Dike	fine-grained	623.81	625.11	EPID 3 HEMT 2CLOR 1												
625.11	633		irregular	Marble																
633	633.35		irregular	Skarn		633	633.35	SKRN 5	633	633.35	2									
633.35	639.72	35	Undulating	Marble																
639.72	640.87		irregular	Mafic Dike	fine-grained	639.72	640.87	EPID 3 CLOR 2												
640.87	641.88		irregular	Marble																
641.88	644.81	65	Undulating	Porphyritic gabbro		641.88	644.81	EPID 2 CLOR 2HEMT 2												
644.81	655.32	65	irregular	Marble																

Bore Hole	11-05B	North 5391150	Start 20/04/2011	az 210	Elev 501
Logged By	Alexis Eapen	East 388586	End 22/04/2011	dip -55	TD 243.84

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
0	14.24			Casing	made up of sand, gravel, and qtz-biot-diorite, plag porphyry, mafic dike boulders															
14.24	17.42			qtz-biotite-diorite	med-grained; w/ large, angular to sub-angular mafic dike clasts	14.24	17.42	CLOR 1 EPID 1												
17.42	18.85			Mafic Dike	fine-grained; moderately shattered, quite fresh															
18.85	21.84			qtz-biotite-diorite	med-grained; w/ large, angular to sub-angular mafic dike clasts throughout	18.85	35.8	CLOR 1 EPID 1												
21.84	35.8			Mafic Dike	fine-grained; minor qtz-biot-diorite fingers															
35.8	39.55	35	irregular	Porphyritic gabbro	glomeroporphyritic; equant plag phenos	35.8	39.55	EPID 1												
39.55	49.57			Mafic Dike	fine-grained; w/ minor qtz-biot-diorite fingers near bottom contact	39.55	50.86	EPID 1 CLOR 1												
49.57	50.86			qtz-biotite-diorite	med-grained; w/ large, angular to sub-angular mafic dike clasts throughout															
50.86	51.85			Mafic Dike	highly recrystallized mafic dike?? Could be a phaneritic, fine-grained, hbl-diorite?															
51.85	52.78			qtz-biotite-diorite	med-grained; w/ large, angular to sub-angular mafic dike clasts throughout	51.85	52.78	CLOR 1 EPID 1												
52.78	53.45			Mafic Dike	fine-grained	52.78	53.45	EPID 2 CLOR 2												
53.45	55.23			Porphyritic gabbro	glomeroporphyritic; equant plag phenos	53.45	55.23	CLOR 1 EPID 1												
55.23	57.55			Mafic Dike	fine-grained; highly shattered near top contact	55.23 56	56 57.55	CLOR 5 CLOR 3 EPID 2								56.76	57.55	G0791677	mafic dike (c	7.05
57.55	59.55			Massive Magnetite					57.55	59.55	3		1			57.55	59.55	G0791678	mass mt	47.8
59.55	59.84			Magnetite-Skarn					59.55	59.84	25					59.55	60.24	G0791679	mt-skarn + s	18.4
59.84	60.24			Skarn		59.84	60.24	SKRN 3												
60.24	65.8			qtz-biotite-diorite	med-grained	60.24	65.8	SILI 3 EPID 2								60.24	61	G0791680	qtz-biot-diori	3.93
65.8	67.92			Porphyritic gabbro	glomeroporphyritic; equant plag phenos															
67.92	70.93			qtz-biotite-diorite	coarse-grained	67.92	70.93	CLOR 1 SILI 2EPID 1												
70.93	74			Mafic Dike	fine-grained	70.93	74	SKRN 3 CLOR 1												

Bore Hole 11-05B | North 5391150 | Start 20/04/2011 | az 210 | Elev 501
Logged By Alexis Eapen | East 388586 | End 22/04/2011 | dip -55 | TD 243.84

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
74	77.06			Porphyritic gabbro	glomeroporphyritic; equant plag phenos	74	78.05	CLOR 1 EPID 1												
77.06	78.05			Mafic Dike	fine-grained															
78.05	79.11			Garnet-Pyroxene-Skarn	mostly garnetite	78.05	79.11	SKRN 5												
79.11	79.53			Mafic Dike	fine-grained; plag-phyric															
79.53	82.3			Garnet-Pyroxene-Skarn		79.53	82.3	SKRN 5												
82.3	83.96			Plagioclase porphyry	equant plag phenos	82.3	83.96	EPID 1												
83.96	85.77	55	Sharp	Mafic Dike	fine-grained	83.96	85.77	SKRN 4												
85.77	86.78			Plagioclase porphyry		85.77	86.78	EPID 2 CLOR 1												
86.78	88.22			Mafic Dike	fine-grained	86.78	88.22	CLOR 4								86.78	88.22	G0791681	mafic dike (o	10.1
88.22	90.26			Massive Magnetite					88.22	90.26	0.5	0.8	3.5			88.22	90.26	G0791682	mass mt	61
90.26	91.1			qtz-biotite-diorite	med- to -coarse-grained	90.26	91.1	SKRN 3 SILI 3								90.26	91.77	G0791683	qtz-biot-diori	10.85
91.1	91.3			Massive Magnetite					91.1	91.3		0.8	3							
91.3	91.77	75	Sharp	qtz-biotite-diorite	coarse grained	91.3	91.77	SKRN 2												
91.77	98.15	25	Undulating	Massive Magnetite		93.14	93.28	CLOR 2	91.77	93	0.8	1	3			91.77	93	G0791684	mass mt	53.6
									93	95	0.8	0.5	2			93	95	G0791685	mass mt	57.5
									95	97	1.5	0.5	3			95	97	G0791686	mass mt	63.2
									97	98.15	1		3			97	98.15	G0791687	mass mt	66.4
98.15	99.16		irregular	Garnet-Pyroxene-Skarn	w/ minor mt veins	98.15	99.16	SKRN 5								98.15	99.16	G0791688	skarn w/ min	17.45
99.16	99.69			Mafic Dike	fine-grained; plag-phyric	99.16	99.69	EPID 2								99.16	101.91	G0791689	qtz-biot-diori	10.1
99.69	100.28			Skarn	w/ minor mt veins	99.69	100.28	SKRN 5												
100.28	101.38			qtz-biotite-diorite		100.28	101.38	SILI 3 SKRN 3												
101.38	101.66			Mafic Dike	fine-grained; (dacite?)	101.38	101.66	CLOR 2												
101.66	101.91			Skarn	w/ minor mt in fractures	101.66	101.91	SKRN 5												
101.91	107.99	60	irregular	Massive Magnetite					101.91	103	0.8	0.6	2.5			101.91	103	G0791690	mass mt	58.8
									103	105	1	0.8	4			103	105	G0791691	mass mt	54.9
									105	107	1	1	2			105	107	G0791692	mass mt	63
									107	107.99	0.7	0.4	4			107	107.99	G0791693	mass mt	63.8
107.99	108.2			Mafic Dike	fine-grained	107.99	108.2	CLOR 2								107.99	110	G0791694	porph gab (ir	7.1
108.2	111.38			Porphyritic gabbro	glomeroporphyritic	108.2	111.38	EPID 2 CLOR 1								110	111.38	G0791695	porph gab (ir	6.3
111.38	112.29			Massive Magnetite					111.38	112.29	2	0.5	5			111.38	112.92	G0791697	mass mt + m	43.4
112.29	112.92	50	Sheared	Porphyritic gabbro	glomeroporphyritic	112.29	112.92	CLOR 1 EPID 1												
112.92	115.82			Massive Magnetite					112.92	115	0.7		1			112.92	115	G0791698	mass mt	54.8
									115	115.82	0.6		0.3			115	115.82	G0791699	mass mt	56.4
115.82	118.26	40	irregular	Porphyritic gabbro	glomeroporphyritic; equant plag phenos	115.82	118.26	CLOR 1 EPID 1								115.82	118.26	G0791700	porph gab (ir	6.43

Bore Hole	11-05B	North 5391150	Start 20/04/2011	az 210	Elev 501
Logged By	Alexis Eapen	East 388586	End 22/04/2011	dip -55	TD 243.84

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
118.26	118.77			Magnetite-Skarn					118.26	118.77	8	0.8	20			118.26	119.47	G0791701	mt-skarn + m	46.9
118.77	118.97			Massive Magnetite					118.77	118.97		1	0.8							
118.97	119.47			Magnetite-Skarn					118.97	119.47	0.4	0.5								
119.47	123.29			Massive Magnetite		120.57	120.9	CLOR 1	119.47	121.05	1.5	0.7	2.5			119.47	121.05	G0791702	mass mt + m	59.6
									121.05	123.29	1.5	0.5	3			121.05	123.29	G0791703	mass mt	61.3
123.29	124.38			Mafic Dike	fine-grained	123.29	124.38	SKRN 3								123.29	124.38	G0791704	mafic dike (ir	8.88
124.38	127.34			Massive Magnetite					124.38	126	2	0.4	3			124.38	126	G0791705	mass mt	56.5
									126	127.34	1	0.8	2			126	127.34	G0791713	mass mt; Du	61.8
																126	127.34	G0791706	mass mt; Du	61.6
127.34	127.68			qtz-biotite-diorite	coarse grained	127.34	127.68	SKRN 3								127.34	129	G0791707	qtz-biot-diori	4.22
127.68	128.02		irregular	Mafic Dike	fine-grained	127.68	128.02	CLOR 2												
128.02	133.03			qtz-biotite-diorite	coarse-grained	128.02	133.03	EPID 2 SILI 2												
133.03	134.85	35	Sharp	Porphyritic gabbro	glomeroporphyritic	133.03	134.85	CLOR 1 EPID 1												
134.85	137.16		irregular	qtz-biotite-diorite	coarse-grained	134.85	137.16	SILI 3 EPID 2												
137.16	141.75			Mafic Dike	fine-grained	137.16	140.8	CLOR 2 EPID 2												
						140.8	140.91	SILI 4 EPID 3												
						140.91	141.75	CLOR 2 EPID 2												
141.75	142.83	50	Sharp	qtz-biotite-diorite	coarse-grained	141.75	142.83	SILI 3 EPID 2												
142.83	143.47		irregular	Mafic Dike	fine-grained	142.83	143.47	CLOR 2 EPID 1												
143.47	149.05		irregular	qtz-biotite-diorite	coarse-grained	143.47	145.92	SILI 2 EPID 2												
						145.92	146.18	CLOR 1												
						146.18	149.05	SILI 2 EPID 2												
149.05	149.86		irregular	Garnet-Pyroxene-Skarn	porph gabbro protolith?	149.05	149.86	SKRN 5												
149.86	153.56			Porphyritic gabbro		149.86	153.56	EPID 2 CLOR 1								152	153.56	G0791708	porph gabbro	5.38
153.56	174			Garnet-Pyroxene-Skarn	w/ mt in fractures; ~2-5% mt in some areas	153.56	155.22	SKRN 5								153.56	155	G0791709	gt-skarn w/ n	13
						155.22	155.38	CLOR 1								155	157	G0791710	gt-px-skarn v	18.35
						155.38	159.84	SKRN 5								157	159	G0791711	gt-px-skarn	12.65
						159.84	159.97	EPID 2 CLOR 1												
						159.97	174	SKRN 5												
174	174.45	65	Undulating	Horneblende-Pyroxene-Feldspar-Gabbro	med-grained	174	174.45	EPID 2												
174.45	175.58			Garnet-Pyroxene-Skarn	w/ mt in fractures	174.45	175.58	SKRN 5								174.46	175.58	G0791712	gt-px-skarn v	12.35
175.58	177.03			Magnetite-Skarn					175.58	177.03	0.5		0.4			175.58	177.03	G0791714	mt-skarn	31.6
177.03	181.05			Garnet-Pyroxene-Skarn		177.03	181.05	SKRN 5								177.03	179	G0791715	gt-px-skarn	10.7
181.05	183.63	45	Sharp	qtz-biotite-diorite	coarse-grained	181.05	183.63	EPID 2 SILI 3												
183.63	184.94		irregular	Mafic Dike	fine-grained	183.63	184.94	CLOR 2												
184.94	190.09			qtz-biotite-diorite	coarse-grained	184.94	190.09	SKRN 2 SILI 3												
190.09	190.55			Mafic Dike	fine-grained; plag-phyric	190.09	190.55	CLOR 1												
190.55	210.81	55	irregular	qtz-biotite-diorite	coarse-grained; w/ minor mafic dike clasts	190.55	210.52	SKRN 2 EPID 2SILI 2												
						210.52	210.81	SKRN 4												

Bore Hole	11-05B	North 5391150	Start 20/04/2011	az 210	Elev 501
Logged By	Alexis Eapen	East 388586	End 22/04/2011	dip -55	TD 243.84

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
210.81	212.19			Mafic Dike	fine-grained; plag-phyric	210.81	211.65	CLOR 1 EPID 1												
						211.65	211.81	EPID 2												
						211.81	212.19	CLOR 1 EPID 1												
212.19	213.22			qtz-biotite-diorite	coarse-grained	212.19	213.22	EPID 2 SKRN 3SILI 3												
213.22	213.61	65	Sharp	Mafic Dike	fine-grained	213.22	213.61	CLOR 1 EPID 2												
213.61	215.77			qtz-biotite-diorite	coarse-grained	213.61	213.97	SILI 3 EPID 2												
						213.97	214.21	CLOR 2												
						214.21	215.18	SILI 3 EPID 2												
						215.18	215.38	CLOR 1												
						215.38	215.77	SILI 3 EPID 2												
215.77	216.84		irregular	Skarn	mostly epidote and garnet	215.77	216.84	SKRN 5												
216.84	219.9	50	Sharp	Mafic Dike	fine-grained; plag-phyric; 219.44-219.9 minor mt in fractures	216.84	217.83	CLOR 2 EPID 2	217.83	219.9	1					219.44	219.9	G0791716	mafic dike; w	17.45
						217.83	219.9	EPID 2 CLOR 3												
219.9	221.01			Massive Magnetite												219.9	221.01	G0791717	mass mt	41.5
221.01	223.23			Mafic Dike	fine-grained	221.01	222.07	CLOR 2 EPID 2	222.07	223.23	3					221.01	223.23	G0791718	mafic dike (ir	9.51
						222.07	223.23	SKRN 3												
223.23	223.4			Magnetite-Skarn					223.23	223.4	2.5					223.23	224.54	G0791719	mafic dike w	19.95
223.4	223.91			Mafic Dike	w/ minor mt in fractures	223.4	223.91	SKRN 4												
223.91	224.11			Massive Magnetite																
224.11	224.19			Magnetite-Skarn																
224.19	225.36	70	Sharp	Marble	224.19-224.54: w/ disseminated & veined mt; lots of vugs w/ organic invill															
225.36	226.51	70	Sharp	Mafic Dike	fine-grained	225.36	226.51	CLOR 3 EPID 2												
226.51	226.78		irregular	Marble	very vuggy w/ lots of organic infill															
226.78	227.72			Mafic Dike	fine-grained	226.78	227.72	HEMT 2 EPID 2CLOR 2												
227.72	231.94		irregular	Marble	very vuggy w/ organic infill															
231.94	232.85		irregular	Mafic Dike	fine-grained; brecciated; w/ minor mt in fractures	231.94	232.85	SKRN 3 CLOR 2												
232.85	233.2		irregular	Marble																
233.2	234.54	60	irregular	Garnet-Pyroxene-Skarn	brecciated	233.2	234.54	SKRN 5								233.2	234.54	G0791720	gt-px-skarn	7.25
234.54	234.95			Mafic Dike	fine-grained; brecciated	234.54	234.95	SKRN 3								234.54	234.95	G0791721	mafic dike w	12.45
234.95	235.67			Magnetite-Skarn												234.95	235.67	G0791722	mt-skarn	24.8
235.67	236.04	80	Undulating	Marble	w/ mt in fractures and disseminated											235.67	237	G0791723	ore envelope	5.25
236.04	243.84			qtz-biotite-diorite	very altered at top contact; coarse-grained	236.04	240.53	SILI 4 EPID 2CLOR 2												
						240.53	240.9	CLOR 1												
						240.9	243.84	SILI 4 EPID 2CLOR 2												

Bore Hole	11-04B	North	5391150	Start	19/04/2011	az	165	Elev	501
Logged By	Alexis Eapen	East	388586	End	20/04/2011	dip	-60	TD	176.78

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
0	17.63			Casing	made up of sand and gravel, and qtz-biot-diorite, plag porphyry, mafic dike boulders															
17.63	29.88			Mafic Dike	fine-grained; plag-phyric in some areas; minor granodiorite fingers near	17.63	29.88	CLOR 1 EPID 1												
29.88	33.06			qtz-biotite-diorite	med-grained; moderately shattered	29.88	33.06	CLOR 1 SILI 2EPID 1												
33.06	37.89			Mafic Dike	fine-grained; red mineral present; possibly red biotite or hbl?	33.06	33.98	CLOR 1 EPID 1								37.88	38.65	G0791616	qtz-biot-diori	3.06
						34.16	37.89	CLOR 1 EPID 1												
37.89	38.65	25	irregular	qtz-biotite-diorite	med-grained	37.89	38.65	EPID 2 SILI 3												
38.65	43.64	55	Sharp	Massive Magnetite					38.65	40	2	0.8	4			38.65	40	G0791617	mass mt	53.3
									40	42	1	0.8	5			40	42	G0791618	mass mt	54.9
									42	43.64	3	0.5	3			42	43.64	G0791619	mass mt	56.5
43.64	44.21			Magnetite-Skarn	mostly diopside w/ pyrrhotite veins + ~10-15% mt				43.64	44.21	1.5		8			43.64	44.21	G0791620	mt-skarn	25.6
44.21	50.92			Massive Magnetite					44.21	46	2.5	0.3	4			44.21	46	G0791621	mass mt	53.1
									46	48	2.5	0.5	6.5			46	48	G0791622	mass mt	59.1
									48	50	2		8			48	50	G0791623	mass mt	60.7
									50	50.92	1.5		8			50	50.92	G0791624	mass mt	63.6
50.92	51.67			Mafic Dike	fine-grained; plag-phyric; possibly dacite?	50.92	51.67	EPID 1 CLOR 1								50.92	51.67	G0791625	mafic dike (ir	8.59
51.67	54.15			Massive Magnetite					51.67	53	1	0.8	5			51.67	53	G0791626	mass mt	62.3
									53	54.15	1.5	0.6	3.5			53	54.15	G0791627	mass mt	52.7
54.15	55.43			Mafic Dike	fine-grained; plag-phyric	54.15	55.43	EPID 2 CLOR 2								54.15	56	G0791628	mafic dike w/	12.4
55.43	55.63			Massive Magnetite					55.43	55.63	3		3.5							
55.63	58.3			Mafic Dike	fine-grained	55.63	58.3	EPID 2 CLOR 3												
58.3	58.63			Porphyritic gabbro	glomeroporphyritic; equant plag phenocrysts	58.3	58.63	CLOR 2 EPID 1SILI 3												
58.63	59.35		irregular	Mafic Dike	fine-grained; plag-phyric	58.63	58.81	CLOR 2 EPID 2								58.63	59.35	G0791629	mafic dike (o	9.17
						58.81	59	EPID 5												
						59	59.35	CLOR 2 EPID 2												
59.35	61.14		irregular	Massive Magnetite		59.87	59.98	CLOR 2	59.35	59.87	0.5	0.8	8			59.35	61.14	G0791630	mass mt w/ s	55.6
									60.01	61.14	2	0.8	6							
61.14	61.4			Massive Sulphide	mostly pyrrhotite				61.14	61.4	2	0.5	90			61.14	61.4	G0791631	massive sulp	55.4

Bore Hole	11-04B			North 5391150			Start 19/04/2011		az 165					Elev 501						
Logged By	Alexis Eapen			East 388586			End 20/04/2011		dip -60					TD 176.78						
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
61.4	63.16			Porphyritic gabbro	glomeroporphyritic; equant plag phenocrysts	61.4	63.16	EPID 2 CLOR 1								61.4	63.16	G0791632	porph gabbr	6.32
63.16	64.8			Massive Magnetite					63.16	64.8	2		4			63.16	64.8	G0791633	mass mt	49.6
64.8	68.18			Porphyritic gabbro	glomeroporphyritic; equant plag phenocrysts	64.8	68.18	EPID 2 CLOR 2								64.8	67	G0791634	porph gabbr	6.95
																67	68.18	G0791635	porph gabbr	5.9
68.18	69.34			Massive Sulphide	mostly pyrrhotite				68.18	69.34	2		85			68.18	69.34	G0791636	massive sulp	56.7
69.34	73.05			Massive Magnetite		70.1	70.33	SKRN 3 CLOR 2	69.34	70	1.5	0.8	2			69.34	70.33	G0791637	mass mt w/ r	46.4
									70	70.1	0.3	0.4				70.33	72	G0791638	mass mt; Du	53.5
									70.33	72	1.5	0.5	3			70.33	72	G0791647	mass mt; Du	53
									72	72.38	1	0.4	2.5			72	73.05	G0791639	mass mt	53.1
									72.38	72.49	2	0.5	40							
									72.49	73.05	0.8	0.8	2							
73.05	73.45			Mafic Dike	fine-grained; plag-phyric	73.05	73.45	EPID 2 CLOR 1								73.05	73.45	G0791640	mafic dike (ir	8.92
73.45	73.61			Massive Sulphide					73.45	73.61	10		60			73.45	74.13	G0791641	mass mt	54.9
73.61	74.13			Massive Magnetite					73.61	74.13	1.5	0.5	3							
74.13	74.95			Mafic Dike	fine-grained; dacite?	74.13	74.95	CLOR 2								74.13	75.82	G0791642	mass mt + in	21.9
74.95	75.41			Massive Magnetite					74.95	75.41	1.5		3							
75.41	75.82			Mafic Dike	fine-graned; dacite?	75.41	75.82	CLOR 2												
75.82	78.82			Massive Magnetite					75.82	78	1.5	0.3	3			75.82	78	G0791643	mass mt	55.9
									78	78.82	1.5	0.7	8			78	78.82	G0791644	mass mt	51.3
78.82	81.67			Horneblende-Pyroxene-Feldspar-Gabbro	med- to coarse- grained	78.82	81.67	CLOR 2 EPID 1								78.82	81.67	G0791645	hbl-pyx-felds	9.26
81.67	82.55			Massive Magnetite					81.67	82.55	2	0.5	3			81.67	83.26	G0791646	mass mt w/ r	42.2
82.55	83.26			Mafic Dike	fine-grained; core is shattered; minor mt in fractures	82.55	83.26	CLOR 4												
83.26	88.03			Massive Magnetite					83.26	85	1	0.5	3			83.26	85	G0791648	mass mt	61.1
									85	87	2	0.5	2			85	87	G0791649	mass mt	59.5
									87	88.03	0.8	0.5	4			87	88.03	G0791650	mass mt	62.4
88.03	90.17			Porphyritic gabbro	glomeroporphyritic; equant plag phenocrysts	88.03	90.17	CLOR 1 EPID 1								88.03	90.17	G0791651	porph gabbr	8.91
90.17	90.7			Massive Magnetite					90.17	90.7	1	0.5	2			90.17	92	G0791652	mass mt w/ r	52.6
90.7	90.95			Mafic Dike	fine-grained; plag-phyric; quite fresh; unaltered															
90.95	91.72			Massive Magnetite					90.95	91.72	1		2							
91.72	91.94			Mafic Dike	fine-grained; plag-phyric (dacite?)															

Bore Hole	11-04B				North 5391150			Start 19/04/2011			az 165				Elev 501					
Logged By	Alexis Eapen				East 388586			End 20/04/2011			dip -60				TD 176.78					
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
91.94	98.02			Massive Magnetite					91.94	93.16	1.5	0.5	6			92	93.16	G0791653	mass mt	50
																93.16	95	G0791654	mass mt; Du	53.7
																93.16	95	G0791665	mass mt; Du	49.4
																95	97	G0791655	mass mt	59.5
																97	98.02	G0791656	mass mt	62
98.02	99.66			Mafic Dike	fine-grained	98.02	99.66	CLOR 1 EPID 1								98.02	99.66	G0791657	MD (inter-ore	14.8
99.66	102.03			Massive Magnetite					99.66	101	1	0.3	0.5			99.66	101	G0791658	mass mt	58.1
									101	102.03	0.8	0.6	4			101	102.03	G0791659	mass mt	66.4
102.03	104.22			Porphyritic gabbro		102.03	102.68	CLOR 1 EPID 2								102.03	104.22	G0791660	porphyritic ga	8.14
						102.68	103	SKRN 3												
						103	104.22	CLOR 1 EPID 2												
104.22	121.78			Massive Magnetite		106.03	106.18	CLOR 3	104.22	106	1	0.6	3			104.22	106	G0791661	mass mt	46.9
						107.25	107.39	CLOR 3	106	108	25	1	3			106	108	G0791662	mass mt w/ r	46.4
						107.64	107.72	CLOR 2	108	110	0.8	0.8	6			108	110	G0791663	mass mt	61.9
						112.24	123.28	SKRN 5	110	112	1	0.8	3			110	112	G0791664	mass mt	62.7
									112	114	1	0.5	4			112	114	G0791666	mass mt	63.6
									114	116	1.5	0.4	5			114	116	G0791667	mass mt	63.1
									116	118	0.8	0.3	2.5			116	118	G0791668	mass mt	64
									118	120	0.8	0.6	2.5			118	120	G0791669	mass mt	63.6
									120	121.78	2.5	0.5	2.5			120	121.78	G0791670	mass mt	54.6
121.78	122.24			Magnetite-Skarn	gt-skarn + mt				121.78	122.24	2					121.78	122.24	G0791671	mt-skarn	34.7
122.24	123.28			Garnet-Pyroxene-Skarn	minor mt in fractures; mostly garnet, minor diopside											122.24	123.28	G0791672	gt-px-skarn v	17.35
123.28	125.55			Massive Magnetite					123.28	125.55	0.6	1	3			123.28	125.55	G0791673	mass mt	59.3
125.55	126.52	30	Sheared	Mafic Dike	fine-grained; plag-phyric	125.55	126.52	CLOR 1								125.55	127.6	G0791674	mafic dike +	7.18
126.52	131.19			Plagioclase porphyry		126.52	131.19	EPID 2 CLOR 2												
131.19	134.76	25	Sharp	qtz-biotite-diorite	highly altered	131.19	134.76	SILI 4 EPID 2								131.19	132	G0791696	silicified qtz-l	1.85
																131.19	132	G0791675	silicified qtz-l	1.7
134.76	136.17			Marble		134.76	136.17	EPID 2												
136.17	137.36			Porphyritic gabbro		136.17	137.36	HEMT 2 EPID 3												
137.36	152.19	45	Sharp	Marble	lots of filled fractures; very vuggy	141.93	142.23	SKRN 5						149.7	banding @ 55°					
152.19	153.05	75	irregular	Skarn		152.19	153.05	SKRN 5												
153.05	157.88			Marble	vugs throughout core									155.1	banding @ 35°					
157.88	159.69	15	Sharp	Skarn		157.88	159.69	SKRN 5 HEMT 2								157.88	159.69	G0791676	skarn w/ hmt	7.03
159.69	176.78			Marble																

Bore Hole	11-03B			North 5391150				Start 17/04/2011		az 320				Elev 501						
Logged By	Alexis Eapen			East 388586				End 19/04/2011		dip -60				TD 256.03						
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
0	15.24			Casing	made up mostly of qtz-biot-diorite boulders, sand & gravel															
15.24	19.81			qtz-biotite-diorite	med-grained; w/ sub-angular MD/MV clasts and irregular fingers	15.24	19.81	SILI 3												
19.81	23.75			Mafic Dike	fine-grained; highly recrystallized; minor qtz-biot-diorite fingers	19.81	23.75	CLOR 1	19.81	23.75	0.8									
23.75	32.06			qtz-biotite-diorite	med-grained; w/ sub-angular MD/MV clasts and irregular fingers	23.75	32.06	EPID 1 SILI 3												
32.06	32.78	55	Sharp	Mafic Dike	fine-grained; plag-phyric	32.06	32.78	CLOR 1 EPID 1												
32.78	33.53	45	Sharp	qtz-biotite-diorite	med-grained; w/ sub-angular MD/MV clasts and irregular fingers	32.78	33.53	EPID 1 SILI 3												
33.53	35.27	45	Sharp	Mafic Dike	fine-grained	33.53	35.27	CLOR 1												
35.27	36.36			qtz-biotite-diorite	med-grained; w/ sub-angular MD/MV clasts and irregular fingers	35.27	36.36	EPID 1 SILI 3												
36.36	37.86			Mafic Dike	fine-grained; w/ minor irregular fingers of qtz-biot-diorite throughout	36.36	37.86	CLOR 1												
37.86	56.55			qtz-biotite-diorite	med-grained; w/ sub-angular MD/MV clasts and irregular fingers	37.86	56.55	EPID 1 SILI 3												
56.55	57.91			Mafic Dike	fine-grained	56.55	57.91	CLOR 2												
57.91	62.03			qtz-biotite-diorite	med-grained; w/ sub-angular MD/MV clasts and irregular fingers	57.91	62.03	EPID 2 SILI 3												
62.03	67.64			Mafic Dike	fine-grained; moderately-strongly shattered core; minor qtz-biot-diorite fingers throughout	62.03	67.64	CLOR 2 SILI 3												
67.64	76.06			qtz-biotite-diorite	med-grained; w/ sub-angular MD/MV clasts and irregular fingers; strongly shattered core	67.64	76.06	EPID 2 SILI 3												
76.06	81.45			Mafic Dike	fine-grained; very shattered core	76.06	81.45	SKRN 3 CLOR 2	76.06	81.45	0.5		0.7							
81.45	81.73			Marble																
81.73	82.36	80	Sharp	Skarn	mafic dike protolith	81.73	82.36	SKRN 5	81.73	82.36	0.8									
82.36	83.07	55	Sharp	Marble																
83.07	83.63		irregular	Mafic Dike	fine-grained; plag-phyric	83.07	83.63	CLOR 2 SKRN 1												
83.63	84.5		irregular	Marble																

Bore Hole	11-03B			North 5391150			Start 17/04/2011			az 320					Elev 501					
Logged By	Alexis Eapen			East 388586			End 19/04/2011			dip -60					TD 256.03					
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
84.5	85.61			Mafic Dike	fine-grained; plag-phyric	84.5	85.61	EPID 1 CLOR 2												
85.61	88.75	35	Undulating	Marble																
88.75	89.06	55	Sharp	Mafic Dike	brecciated	88.75	89.06	CLOR 4								88.75	89.06	G0791608	brecciated m	9.05
89.06	89.74	45	Sharp	Garnet-Pyroxene-Skarn												89.06	90.82	G0791609	gt-px-skarn a	20.4
89.74	89.91	25	Sharp	Magnetite-Skarn	mt+pyroxene skarn															
89.91	90.5			Garnet-Pyroxene-Skarn		89.91	90.5	SKRN 5												
90.5	90.82			Magnetite-Skarn																
90.82	91.44			Garnet-Pyroxene-Skarn		90.82	91.44	SKRN 5								90.82	92.23	G0791610	mostly gt-px-	13.15
91.44	91.72			Magnetite-Skarn																
91.72	92.23			Garnet-Pyroxene-Skarn		91.72	92.23	SKRN 5												
92.23	93.36			Magnetite-Skarn												92.23	93.36	G0791611	mt-skarn	22.3
93.36	99.32			Skarn	pyroxene>garnet; at 94.20m qtz-biot-diorite protolith?	93.36	99.32	SKRN 5								93.36	94.2	G0791612	skarn (pyx>g	8.49
																94.2	96	G0791613	skarn (qbd p	7.8
99.32	101.23			qtz-biotite-diorite	texture is almost obliterated	99.32	101.23	SILI 5 SKRN 3												
101.23	103			Marble	lots of vugs, high amount of banded and disseminated organic matter															
103	103.56	20	Sharp	Skarn	brecciated; white, powerdery fracture infill turns yellow when reacted with HCl (elemental sulfur?)	103	103.56	SKRN 5	103	103.56	2		0.8							
103.56	119.27	65	Undulating	Marble	lots of vugs w/ quartz, calcite, or organic matter infill	108.96	109.14	SKRN 4						113.5	bedding @ 60°					
						110.33	110.56	CLOR 2 SKRN 2												
						115.89	116.19	SKRN 2												
119.27	119.72		irregular	Plagioclase porphyry	quite fresh, unaltered															
119.72	121.18		irregular	Marble																
121.18	121.61		irregular	Mafic Dike	fine-grained; plag-phyric	121.18	121.61	SKRN 2	121.18	121.61	0.6									
121.61	122.26			Marble																
122.26	123.28	70	Sharp	Mafic Dike	fine-grained; quite fresh	122.26	123.28	CLOR 1												
123.28	127.4	80	Sharp	Marble	some vugs present; organic matter infill	126.41	126.57	SKRN 5	126.41	126.57	1		0.7							
127.4	128.02		irregular	Mafic Dike	fine-grained; plag-phyric	127.4	128.02	SKRN 3												
128.02	132.44			Marble	some vugs present w/ calcite infill	131.584	131.66	SKRN 5	132.03	132.38	1									
						132.03	132.38	SKRN 3												
132.44	133.1		irregular	Mafic Dike	fine-grained	132.44	133.1	SKRN 3	132.44	133.1	2.5									

Bore Hole	11-03B		North 5391150			Start 17/04/2011		az 320						Elev 501						
Logged By	Alexis Eapen		East 388586			End 19/04/2011		dip -60						TD 256.03						
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
133.1	140.65	65	Sharp	Marble																
140.65	141.51	82	Sharp	Plagioclase porphyry		140.65	141.51	CLOR 2 EPID 1												
141.51	144.08		irregular	Marble		142.88 143.01	142.98 143.08	SKRN 5 SKRN 5	142.88 143.01	142.98 143.08	0.8 2									
144.08	144.97	75	Sharp	Mafic Dike	fine-grained	144.08	144.97	CLOR 2												
144.97	146.35	70	Sharp	Marble		145.82	145.91	EPID 2 CLOR 2												
146.35	147.21	75	Undulating	Mafic Dike	fine-grained; plag-phyric	146.35	147.21	CLOR 2												
147.21	149.9	70	irregular	Marble		148.39 148.69 149.2	148.54 148.99 149.35	CLOR 3 SKRN 2 CLOR 2 SKRN 5												
149.9	150.3	55	Undulating	Skarn		149.9	150.3	SKRN 5	149.9	150.3	3					149.9	150.3	G0791614	skarn	5.26
150.3	150.6		irregular	Marble																
150.6	151.91		irregular	Porphyritic gabbro		150.6	151.91	EPID 2 CLOR 2												
151.91	153.66			Marble																
153.66	154.29			Skarn		153.66	154.29	SKRN 5	153.66	154.29	3.5					153.66	154.29	G0791615	skarn	8.12
154.29	154.64	75	irregular	Marble		154.37	154.57	CLOR 1												
154.64	157.7		irregular	Porphyritic gabbro		154.64	157.7	SKRN 2 HEMT 1CLOR 2												
157.7	158.82		irregular	Marble																
158.82	159.53	60	Cuspate	Skarn		158.82	159.53	SKRN 5	158.82	159.53	3.5									
159.53	170.2	45	Undulating	Marble		160.81 168.96	161.03 169.08	SKRN 3 SKRN 5	168.96	169.08	1									
170.2	170.76	65	Sharp	Mafic Dike	fine-grained	170.2	170.76	CLOR 2 EPID 2	170.2	170.76	0.8									
170.76	177.86			Marble		175.14 177.03	175.34 177.33	SKRN 5 SKRN 5	175.14 177.03	175.34 177.33	5 8									
177.86	178.46		irregular	Skarn		177.86	178.46	SKRN 5	177.86	178.46	2.5									
178.46	187.73	15	Sharp	Marble		179.86 186.64	180.01 186.97	SKRN 3 EPID 1 CLOR 3	179.86 186.64	180.01 186.97	1 3.5									
187.73	188.1		irregular	Mafic Dike	fine-grained	187.73 187.91	187.91 188.1	SKRN 4 CLOR 2												
188.1	188.29			Marble																
188.29	189.63		irregular	Mafic Dike	fine-grained	188.29	189.63	SKRN 3	188.29	189.63	4									
189.63	192.12		irregular	Marble		191.91	192.03	EPID 2 CLOR 2												
192.12	193.52		irregular	Mafic Dike	fine-grained; moderately shattered core	192.12	193.52	EPID 2 CLOR 2												
193.52	194.3	35	irregular	Marble										193.8	bedding @ 55°					
194.3	194.68	55	Undulating	Mafic Dike	fine-grained	194.3	194.68	EPID 2 CLOR 1												
194.68	203.09	60	Sharp	Marble																
203.09	203.61	55	Sharp	Mafic Dike	fine-grained; very shattered core	203.09	203.61	CLOR 3 EPID 2												
203.61	204.63	60	Sharp	Marble																
204.63	205.08	60	Sharp	Epidote-Skarn		204.63	205.08	EPID 5 HEMT 1SKRN 5	204.63	205.08	7									
205.08	205.82	85	Undulating	Marble		205.22	205.35	CLOR 1 EPID 1												
205.82	206.18	65	Sharp	Mafic Dike	fine-grained; plag-phyric; shattered core	205.82	206.18	CLOR 1												
206.18	208.5	75	Sharp	Marble		208.14	208.26	SKRN 5	208.14	208.26	10									

Bore Hole	11-03B			North 5391150			Start 17/04/2011		az	320				Elev	501					
Logged By	Alexis Eapen			East 388586			End 19/04/2011		dip	-60				TD	256.03					
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
208.5	209.5	80	Sharp	Mafic Dike	fine-grained; plag-phyric	208.5	209.5	CLOR 2 EPID 2	208.5	209.5	2.5									
209.5	211.76	50	Undulating	Marble		210.79	210.96	EPID 2 CLOR 2												
211.76	212.68	60	Sharp	Plagioclase porphyry		211.76	212.68	CLOR 2 EPID 2												
212.68	214.6			Marble																
214.6	215.43		irregular	Garnet-Pyroxene-Skarn		214.6	215.43	SKRN 5	214.6	215.43	10									
215.43	217.06			Mafic Dike	fine-grained	215.43	217.06	CLOR 1												
217.06	220.74	70	Sharp	Marble		217.06	217.33	SKRN 3												
220.74	221.16	50	Sharp	Skarn	mostly pyroxene; some scapolite and garnet; minor epidote	220.74	221.16	SKRN 5	220.74	221.16	5									
221.16	222	55	Undulating	Marble																
222	222.84	55	Undulating	Mafic Dike	fine-grained; moderately shattered core	222	222.84	CLOR 3 EPID 1												
222.84	226.53	55	Undulating	Marble		223.16	223.32	CLOR 1	224.5	224.8	5									
						224.5	224.8	SKRN 5												
226.53	227.69	60	Sharp	Mafic Dike	fine-grained	226.53	227.69	CLOR 1												
227.69	229.41			Porphyritic gabbro	glomeroporphyritic; equant plag phenos	227.69	229.63	EPID 2												
229.41	229.63	60	Sharp	Mafic Dike	fine-grained															
229.63	231.62	75	irregular	Marble																
231.62	232.25	65	Sharp	Mafic Dike	fine-grained; plag-phyric	231.62	232.25	EPID 2 CLOR 1												
232.25	236.1	30	irregular	Marble		234.51	234.62	SKRN 5	234.51	234.62	2									
236.1	236.49	65	Sharp	Skarn		236.1	236.49	SKRN 5	236.1	236.49	3.5									
236.49	242.48		irregular	Marble		241.29	241.55	SKRN 4	241.29	241.55	1									
242.48	242.83		irregular	Plagioclase porphyry		242.48	242.83	EPID 3 HEMT 1	242.48	242.83	1.5									
242.83	244.1	65	Undulating	Marble																
244.1	244.5		irregular	Mafic Dike	fine-grained	244.1	244.5	HEMT 2 SKRN 3	244.1	244.5	2									
244.5	252.21	10	irregular	Marble	lime green mineral (talc? Doesn't fizz) in fractures	246.56	246.77	SKRN 4	246.56	246.77	1			246.9	mineral banding @ 60°					
						249.78	249.93	CLOR 2	251.26	251.42	0.8			248.3	mineral banding @ 75°					
						250.3	250.5	HEMT 1 SKRN 3												
						251.26	251.42	SKRN 5												
252.21	252.65			Mafic Dike	fine-grained; very shattered core	252.21	252.65	CLOR 4 EPID 2												
252.65	256.03		irregular	Marble		254.19	254.42	SKRN 5	254.19	254.42	1.5									

Bore Hole	11-02B				North 5391262			Start 04/10/2011		az 200				Elev 462						
Logged By	Alexis Eapen				East 388789			End 17/04/2011		dip -50				TD 554.74						
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
0	20.28			Casing	made up of glacial till; boulders of plag porph, qtz-hbl-diorite & Mafic dike															
20.28	30.43			Marble		30.06	30.26	CLOR 3												
30.43	31.07			Mafic Dike	fine-grained	30.43	31.07	EPID 2 CLOR 2												
31.07	35.62			Skarn	minor angular fragments of mafic dike; mostly emerald green pyroxene, w/ minor epidote, garnet	31.07	35.62	SKRN 5	31.07	35.62	3					31.07	33	G0791573	skarn	8.61
35.62	36.18			Mafic Dike	fine-grained; moderately shattered, skarned	35.62	36.18	SKRN 3 CLOR 2												
36.18	41.6			Skarn	mostly emerald green pyroxene, w/ minor epidote, garnet	36.18	41.6	SKRN 5	36.18	41.6	2					37	39	G0791574	skarn	5.58
																39	41	G0791575	skarn	7.06
41.6	43.04		irregular	Mafic Dike	fine-grained	41.6	43.04	SKRN 2												
43.04	45.19			Marble																
45.19	45.69	75	Undulating	Plagioclase porphyry		45.19	45.69	SKRN 4 SILI 3												
45.69	53.54		irregular	Marble		45.69	46.16	SILI 4 SKRN 2												
						47.43	47.73	SKRN 3												
						51.9	52.14	SKRN 5												
53.54	54			Plagioclase porphyry	quite skarn altered	53.54	54	EPID 2 CLOR 2												
54	54.91	80	irregular	Marble		54.35	54.52	SKRN 5												
54.91	55.51			Plagioclase porphyry	quite skarn altered	54.91	55.51	SKRN 3												
55.51	55.64			Marble																
55.64	57.67		irregular	Skarn	mafic dike protolith	55.64	57.67	SKRN 5												
57.67	59.7		irregular	Marble																
59.7	60.16			Skarn	very shattered core	59.7	60.16	SKRN 5												
60.16	70.24			Marble		68.76	69	CLOR 2												
70.24	70.6			Mafic Dike	fine-grained; shattered core	70.24	70.6	CLOR 3												
70.6	77.58			Marble																
77.58	79.35			Mafic Dike	fine-grained	77.58	79.35	CLOR 1 EPID 2SKRN 2												
79.35	82.63	50	Sharp	Marble																
82.63	83.1	45	Sharp	Garnet-Pyroxene-Skarn		82.63	83.1	SKRN 5	82.63	83.1	4									
83.1	88.82		irregular	Marble																
88.82	89.48			Plagioclase porphyry		88.82	89.48	CLOR 2 EPID 2												

Bore Hole	11-02B	North 5391262	Start	04/10/2011	az	200	Elev	462		
Logged By	Alexis Eapen	East 388789	End 17/04/2011		dip	-50	TD	554.74		

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
89.48	90.9	30	Sharp	Marble																
90.9	92.52			Skarn		90.9	92.52	SKRN 5	90.9	92.52	3.5					90.9	92	G0791576	skarn	5.29
92.52	95.24			Marble																
95.24	95.64		irregular	Skarn		95.24	95.64	SKRN 5	95.24	95.64	3									
95.64	103.63			Marble																
103.63	104.35			Mafic Dike	fine-grained	103.63	104.35	CLOR 2 HEMT 1EPID 2												
104.35	108.5	40	Sharp	Marble	little vugs and pits throughout															
108.5	114.48		irregular	Mafic Dike	coarser-grained than previous	108.5	111.34	EPID 2 CLOR 2								108.5	109.12	G0791577	brecciated m	4.88
						111.34	114.48	SKRN 3								110	111	G0791578	coaser-grain	4.89
114.48	114.85		irregular	Marble																
114.85	116.03		irregular	Skarn	mafic dike protolith; diopside, garnet, epidote present	114.85	116.03	SKRN 5								114.85	116.03	G0791579	skarn	4.99
116.03	120.34			Marble																
120.34	120.77		irregular	Skarn	diopside, minor epidote and garnet present	120.34	120.77	SKRN 5	120.34	120.77	1.5									
120.77	122.48	65	Sharp	Marble																
122.48	122.85	50	Sharp	Mafic Dike	fine-grained	122.48	122.85	EPID 2 CLOR 2	122.48	122.85	0.8									
122.85	129.12	50	Sharp	Marble																
129.12	129.54	50	Sharp	Mafic Dike	fine-grained	129.12	129.54	CLOR 1 EPID 1												
129.54	138.67	45	Sharp	Marble																
138.67	139.29		irregular	Mafic Dike	fine-grained	138.67	139.29	CLOR 1 EPID 1												
139.29	139.94		irregular	Marble																
139.94	140.33		irregular	Skarn	epidote and garnet present; Mafic dike protolith	139.94	140.33	SKRN 5	139.94	140.33	2.5									
140.33	143.07	30	Sharp	Marble																
143.07	143.48	35	Sharp	Mafic Dike	fine-grained	143.07	143.48	SKRN 4	143.07	143.48	1									
143.48	149.67			Marble																
149.67	151.15	30	irregular	Mafic Dike	fine-grained; shattered core	149.67	151.15	CLOR 3 EPID 1												
151.15	154.26	55	Sharp	Marble																
154.26	155.87	25	Undulating	Mafic Dike	fine-grained	154.26	155.87	SKRN 4	154.26	155.87	2									
155.87	157.47	15	Sharp	Marble																
157.47	158.5	15	Sharp	Mafic Dike	fine-grained	157.47	158.23	SKRN 2 CLOR 2												
						158.23	158.5	SKRN 4												
158.5	161			Marble																
161	161.64	30	Sharp	Skarn	mafic dike protolith	161	161.64	SKRN 5	161	161.64	3.5									
161.64	165.44		irregular	Marble		162.42	162.64	SKRN 5	162.42	162.64	4									
						162.81	162.94	SKRN 5	162.81	162.94	1									
						163	163.19	SKRN 5	163	163.19	3									
165.44	166.27			Mafic Dike	fine-grained	165.44	166.27	SKRN 4	165.44	166.27	3									
166.27	178.63			Marble		168.62	168.73	CLOR 4												
178.63	181.86	45	irregular	Mafic Dike	fine-grained; brecciated	178.63	181.86	CLOR 3 EPID 1								178.63	179.53	G0791580	brecciated m	5.84
181.86	186.2			Marble		182.59	182.77	CLOR 4	182.59	182.77	1									
186.2	186.87	35	Sharp	Mafic Dike	fine-grained; plag-phyric; highly recrystallized in some areas	186.2	186.87	EPID 2 CLOR 2												

Bore Hole	11-02B			North 5391262			Start	04/10/2011		az	200				Elev	462				
Logged By	Alexis Eapen			East 388789			End 17/04/2011			dip	-50				TD	554.74				
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
186.87	191.58	45	Sharp	Marble																
191.58	192.4	60	Sharp	Mafic Dike	fine-grained; moderately shattered	191.58	192.4	CLOR 2 EPID 1	191.58	192.4	0.5									
192.4	194.9		irregular	Marble																
194.9	196.34	45	Sharp	Mafic Dike	fine-grained; moderately shattered	194.9	196.34	EPID 2 CLOR 2	194.9	196.34	0.5									
196.34	196.86		irregular	Marble																
196.86	197.25			Mafic Dike	fine-grained	196.86	197.25	CLOR 1 EPID 2												
197.25	197.67			Marble																
197.67	198.72	55	Sharp	Mafic Dike	fine-grained	197.67	198.72	CLOR 1 EPID 2												
198.72	201.04		irregular	Marble																
201.04	201.95			Mafic Dike	fine-grained	201.04	201.95	SKRN 4												
201.95	204.86			Marble		202.23	202.49	SKRN 5	202.23	202.49	3.5									
204.86	205.17			Skarn	garnet, pyroxene and minor epidote present; mafic dike protolith	204.86	205.17	SKRN 5	204.86	205.17	1									
205.17	206.17			Mafic Dike	fine-grained	205.17	206.17	CLOR 1 EPID 2												
206.17	208.39		irregular	Marble																
208.39	211.43		irregular	Mafic Dike	fine-grained	208.39	211.43	SKRN 4	208.39	211.43	1					209	210	G0791581	skarned maf	5.36
211.43	226.05	15	Undulating	Marble		214.85	215.05	CLOR 2 EPID 2	214.85	215.05	1									
						221.34	221.64	SKRN 4	221.34	221.64	3									
						225	225.22	SKRN 5	225	225.22	1.5									
						225.81	225.91	SKRN 5	225.81	225.91	3									
226.05	226.67		irregular	Skarn	diopside, minor epidote, garnet present	226.05	226.67	SKRN 5	226.05	226.67	3									
226.67	233.3		irregular	Marble																
233.3	235.4			Skarn	mostly diopside, minor epidote; moderately shattered	233.3	235.4	SKRN 5	233.3	235.4	2					234.39	235.22	G0791582	skarn	4.68
235.4	236.56			Mafic Dike	fine-grained; moderately shattered	235.4	236.56	SKRN 3 CLOR 2	235.4	236.56	2.5									
236.56	236.88	60	Undulating	Marble																
236.88	237.93		irregular	Mafic Dike	fine-grained; moderately shattered	236.88	237.93	SKRN 4	236.88	237.93	4									
237.93	262.61		irregular	Marble	from 238.68-244.28: marble doesn't fizz, possibly marble replaced by anhydrite/gypsum? Core is soft (~2.5-3.0 hardness); from 244.28-253.94: marble is highly silicified, calcite in fractures only	243.68	243.83	SKRN 3	246.63	246.76	5					260	261	G0791583	silicified mar	0.11
						244.28	246.63	SILI 4	262.08	262.29	5									
						246.63	246.76	SKRN 5												
						246.76	253.94	SILI 4												
						253.94	262.08	SILI 5												
						262.08	262.29	SKRN 5												
						262.29	262.61	SILI 5												
262.61	263.5	35	irregular	Mafic Dike	fine-grained; plag-phyric	262.61	263.5	CLOR 2 SKRN 2EPID 2												

Bore Hole	11-02B		North 5391262				Start	04/10/2011	az	200				Elev	462					
Logged By	Alexis Eapen		East 388789				End 17/04/2011		dip	-50				TD	554.74					
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
263.5	264.18			Skarn	mostly diopside, epidote, minor garnet	263.5	264.18	SKRN 5	263.5	264.18	10					263.5	264.18	G0791584	skarn	8.91
264.18	268.92		irregular	Marble	silicified, calcite in fractures	264.18	268.92	SILI 5												
268.92	271	65	Undulating	Porphyritic gabbro	equant plag phenocrysts; from 270.7-271.0 minor mt in fractures	268.92	271	CLOR 2 EPID 3	268.92	271	2					270.7	271	G0791585	porphyritic g	18.7
271	271.1		irregular	Marble	silicified	271	271.1	SILI 5								271	271.33	G0791586	mass mt	39.9
271.1	271.33	25	Sharp	Massive Magnetite	minimal sulphides, only at contacts															
271.33	272.27		irregular	Marble	silicified	271.33 271.39 271.6	271.39 271.6 272.27	SILI 5 SKRN 4 SILI 5												
272.27	272.89	10	Undulating	Porphyritic gabbro	highly altered, but still can see plag phenos	272.27	272.89	EPID 2 HEMT 1	272.27	272.89	1									
272.89	273.71	20	Undulating	Marble	silicified	272.89 273.48 273.62	273.48 273.62 273.71	SILI 5 CLOR 3 SILI 5												
273.71	275.07	35	Undulating	Mafic Dike	fine-grained; moderately shattered	273.71	275.07	HEMT 1 EPID 3CLOR 3												
275.07	275.34	35	Sharp	Marble	silicified	275.07	275.34	SILI 5												
275.34	276.25	35	Sharp	Porphyritic gabbro	equant plag phenos	275.34	276.25	EPID 3 HEMT 2CLOR 2												
276.25	277.1		irregular	Skarn		276.25	277.1	SKRN 5	276.25	277.1	15									
277.1	286.09			Marble	silicified	277.1	285.73	SILI 4												
286.09	287	35	Undulating	Mafic Dike	fine-grained; moderately shattered	286.09	287	CLOR 3 EPID 2HEMT 1												
287	293.26		irregular	Marble	not altered, fizzes															
293.26	293.67	30	Undulating	Plagioclase porphyry	altered pervasively by black mineral (possibly tourmaline? ~7 hardness)	293.26	293.67	TURM 3 EPID 2CLOR 3												
293.67	294.45		irregular	Marble	not altered, fizzes															
294.45	295.73			Mafic Dike	highly altered	294.45	295.73	SKRN 4 CLOR 3								294.45	295.66	G0791587	altered mafic	6.06
295.73	297.28		Undulating	Marble	not altered, fizzes	296.78	296.89	CLOR 2 EPID 2												
297.28	297.78	70	irregular	Mafic Dike		297.28	297.78	SKRN 4 HEMT 2CLOR 4								297.28	297.78	G0791588	brecciated, a	5.37
297.78	299.07		irregular	Marble	not altered, fizzes until 298.83; silicified from 298.83-299.07	298.83	299.07	SILI 5												
299.07	299.7	70	Sharp	Porphyritic gabbro		299.07	299.7	HEMT 2 EPID 2CLOR 3												
299.7	310.56	85	Undulating	Marble	silicified	299.7 301.6 302.75 308.73	301.56 301.87 302.89 309.06	SILI 5 SKRN 4 SKRN 5 CLOR 3 SKRN 3	301.6 302.75	301.97 302.89	7 8									
310.56	312.1	45	irregular	Mafic Dike	fine-grained; plag-phyric	310.56	312.1	EPID 2 CLOR 2HEMT 2												
312.1	330.12			Marble	silicified until 323.12m; then marble is not altered and fizzes	312.1 322.55 322.8	322.55 322.8 323.12	SILI 5 SKRN 5 HEMT 2CLOR 3 SILI 5												

Bore Hole	11-02B			North 5391262			Start	04/10/2011	az	200				Elev	462					
Logged By	Alexis Eapen			East 388789			End 17/04/2011		dip	-50				TD	554.74					
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
330.12	331.81			Mafic Dike	highly shattered core	330.12	331.81	CLOR 4 HEMT 2												
331.81	332.73			Marble	not altered, fizzes															
332.73	333.68			Mafic Dike	highly altered, brecciated; highly shattered core	332.73	333.68	CLOR 5 SKRN 3								332.73	333.68	G0791589	brecciated, a	5.72
333.68	335.15	20	Sharp	Marble	not altered, fizzes															
335.15	337.12		irregular	Mafic Dike	fine-grained, highly altered	335.15	337.12	SKRN 4 HEMT 2CLOR 5	335.15	337.12	5					335.47	337.12	G0791590	altered mafic	5.91
337.12	340.8		irregular	Marble	not altered, fizzes															
340.8	342.93	45	irregular	Mafic Dike	fine-grained	340.8	342.93	EPID 3 CLOR 2HEMT 1	340.8	342.93	1.5									
342.93	344.86	70	Undulating	Marble																
344.86	346.51		irregular	Mafic Dike	highly shattered core; mt in fractures	344.86	346.51	HEMT 2 EPID 3CLOR 3								344.86	346.51	G0791591	Duplicae w/	8.82
																344.86	346.51	G0791599	Duplicate w/	8.18
346.51	347.4		irregular	Marble																
347.4	348.54	15	Undulating	Porphyritic gabbro	mt in fractures	347.4	348.54	CLOR 3 HEMT 2EPID 3	347.4	348.54	1.5					347.4	348.54	G0791592	porph gabbro	6.18
348.54	348.8			Massive Magnetite	garnetite in some fractures				348.54	348.8	0.8	0.5				348.54	348.8	G0791593	mass mt	42.6
348.8	348.93			Skarn	garnetite	348.8	348.93	SKRN 5								348.8	349	G0791594	garnetite ska	16.15
348.93	351.11			Porphyritic gabbro		348.93	351.11	CLOR 3 HEMT 2EPID 2	348.93	351.11	0.5									
351.11	357.8	55	Undulating	Marble		357.24	357.43	CLOR 3 HEMT 1EPID 2												
357.8	359		irregular	Plagioclase porphyry		357.8	359	EPID 2 CLOR 2HEMT 2												
359	382.29	20	irregular	Marble	from 381.70m - 382.29m, gypsum in fractures															
382.29	384.07	30	Undulating	Plagioclase porphyry		382.29	384.07	CLOR 3 HEMT 2EPID 2	382.29	384.07	1.5									
384.07	385.24	45	Undulating	Marble																
385.24	386.01	30	Undulating	Skarn	brecciated; moderately shattered	385.24	386.01	SKRN 5	385.24	386.01	5					385.24	386.01	G0791595	skarn	6.67
386.01	386.97	55	Sharp	Plagioclase porphyry					386.01	386.97	3									
386.97	410.05	70	Sharp	Marble	silicified from 386.97-396.43; from 394.15-395.15, mafic dike skimming parallel to core															
410.05	412.33	55	Sharp	Mafic Dike	highly-altered, shattered	410.05	412.33	SKRN 4 CLOR 3	410.05	412.33	2									
412.33	413.44	45	Sharp	Marble																
413.44	416.96		irregular	Skarn	brecciated; very shattered core	413.44	416.96	SKRN 5	413.44	416.96	3					413.44	414.53	G0791596	skarn	7.71
																414.53	416.96	G0791597	brecciated sl	4.63
416.96	429.75	25	irregular	Marble																
429.75	432.67	45	Sharp	Mafic Dike	fine-grained; moderately shattered	429.75	432.67	HEMT 2 CLOR 3EPID 3	429.75	432.67	1.5									
432.67	472.3			Marble		468.53	468.77	SKRN 3								471	472.3	G0791601	marble (ore (	1.65
472.3	472.83			Massive Magnetite	brecciated											472.3	472.83	G0791598	mt (brecciate	36.8

Bore Hole	11-02B	North	5391262	Start	04/10/2011	az	200	Elev	462
Logged By	Alexis Eapen	East	388789	End	17/04/2011	dip	-50	TD	554.74

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
472.83	480.13			Marble												472.83	474	G0791602	marble (ore (	1.34
480.13	502.66	40	Undulating	Basalt	md or basalt? At 487.15: core is magnetic, can see disseminated magnetite throughout (~10-15%mt)	480.13	481.41	SKRN 3	480.13	481.41	3					480.13	481.41	G0791600	skarn	5.04
						481.41	502.66	CLOR 1 EPID 1	481.41	487.15	2					493	495	G0791603	magnetic ba	8.37
									487.15	502.66	1									
502.66	503.82		irregular	Porphyritic gabbro	mostly equant plag phenos; glomeroporphyritic; weakly magnetic	502.66	503.82	CLOR 1 EPID 2												
503.82	504.6		irregular	Basalt	fine-grained; amygdules present; moderately magnetic	503.82	504.6	CLOR 2 EPID 2	503.82	504.6	1	0.4								
504.6	506.29		irregular	Porphyritic gabbro	mostly equant plag phenos; glomeroporphyritic	504.6	506.29	CLOR 1 EPID 2												
506.29	507.04	75	Sharp	Basalt	fine-grained; moderately magnetic	506.29	507.04	CLOR 2 EPID 2	506.29	507.04	1									
507.04	507.78	20	Sharp	Porphyritic gabbro	mostly equant plag phenos; glomeroporphyritic	507.04	507.78	CLOR 1 EPID 2												
507.78	554.74			Basalt	fine- to med-grained; moderately magnetic; some amygdules present; highly recrystallized in areas, coarser grained from 547.0m, (could be gabbro, but likely recrystallized pyx, feldspar, amphs); ~519.50m: minor mt veinlets; from 522.45m-522.8m: mt+py stri	507.78	537.21	CLOR 1	507.78	522.45	0.8	0.2	0.3			510	512	G0791604	magnetic ba	7.26
						537.21	537.61	EPID 4	522.45	522.8	5					522	522.45	G0791605	magnetic ba	6.14
						537.61	554.74	CLOR 1 EPID 1	522.8	554.74	0.8					522.45	522.8	G0791606	mt + py strin	16.15
																547	549	G0791607	coarser-grair	7.64

Bore Hole	11-01B	North 5391158	Start 04/05/2011	az 210	Elev 457
Logged By	Alexis Eapen	East 388876	End 04/10/2011	dip -55	TD 484.63

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
0	9.14			Casing	made of plag porphyry, marble boulders, sand and gravel, glacial till															
9.14	12.19			Marble	core is moderately shattered															
12.19	13.72			Plagioclase porphyry	sub-equant plag phenos, core is very shattered	12.19	13.72	CLOR 2												
13.72	15.54			Marble	highly skarned (scapolite)	13.72	15.54	SKRN 4												
15.54	16.5			Plagioclase porphyry	sub equant plag phenos, core is very shattered	15.54	16.5	SKRN 2												
16.5	20.93			Marble																
20.93	22.3		irregular	Plagioclase porphyry	sub equant plag phenos, core is very shattered	20.93	22.3	HEMT 1 PROP 3												
22.3	34.56		irregular	Marble	lots of fractures and vugs present; water infiltration	23.47	23.57	SKRN 3												
34.56	36.16	60	Undulating	Plagioclase porphyry	sub-rounded plag phenos; glomeroporphyritic; moderately shattered	34.56	36.16	HEMT 1 PROP 3												
36.16	51.48			Marble	lots of fractures and vugs present; water infiltration															
51.48	52.08		irregular	Skarn	plag porphyry protolith; epidote, scapolite, garnet present	51.48	52.08	SKRN 5	51.48	52.08	2									
52.08	62.35		irregular	Marble	lots of fractures and vugs present; water infiltration	61.48	61.78	EPID 3												
62.35	63.37	60	Sharp	Plagioclase porphyry	sub equant plag phenos; glomeroporphyritic	62.35	63.37	CLOR 2												
63.37	64.52	60	irregular	Marble	lots of fractures and vugs present; water infiltration															
64.52	67.55		irregular	Plagioclase porphyry	equant plag phenos; glomeroporphyritic in some areas	64.52	67.55	SKRN 3	64.52	67.55	1									
67.55	69		irregular	Marble	lots of fractures and vugs present; water infiltration															
69	72.3		Undulating	Plagioclase porphyry	sub-rounded plag phenos; moderately shattered core	69	72.3	EPID 2 CLOR 2												

Bore Hole	11-01B	North 5391158	Start 04/05/2011	az 210	Elev 457
Logged By	Alexis Eapen	East 388876	End 04/10/2011	dip -55	TD 484.63

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
72.3	77.42			Marble	lots of fractures and vugs present; water infiltration															
77.42	78.38			Plagioclase porphyry	equant plag phenos, core is very shattered	77.42	78.38	EPID 2 CLOR 2												
78.38	83.52			Marble	lots of fractures and vugs present; water infiltration; clay bands present in some fractures									82.4	mt in fracture					
83.52	84.57	45	Sharp	Plagioclase porphyry	core is very shattered; sub-rounded to sub-equant plag phenos	83.52	84.57	CLOR 1 EPID 2												
84.57	89.53			Marble	lots of fractures and vugs present; water infiltration; clay bands present in some fractures															
89.53	92.27	30	Undulating	Plagioclase porphyry	sub-rounded plag phenos; moderately shattered core	89.53	92.27	SKRN 3												
92.27	110.84			Marble	lots of fractures and vugs present; water infiltration; clay bands present in some fractures	94	94.25	SKRN 3												
110.84	111.64			Plagioclase porphyry	equant plag phenos; glomeroporphyritic	110.84	111.64	EPID 2												
111.64	136.85	40	Sharp	Marble	lots of fractures and vugs present; water infiltration; clay bands present in some fractures; from 131m onwards, low recovery and very shattered, lots of silt/clay layers; from 133.2 to 136.86 cave ins	114.55	114.85	EPID 2												
						117.27	117.54	SKRN 4												
						122.98	123.06	SKRN 2												
						125.88	126.06	SKRN 4												
136.85	138.38			Mafic Dike	fine-grained; very shattered; quite fresh															
138.38	142.65			Marble	core is mostly gougey															
142.65	143.85			Mafic Dike	fine-grained; very shattered core															
143.85	146.05			Marble	moderately shattered core; highly fractured, minor areas of gouge; low recovery; some mafic dike pebbles in core															

Bore Hole	11-01B	North 5391158	Start 04/05/2011	az 210	Elev 457
Logged By	Alexis Eapen	East 388876	End 04/10/2011	dip -55	TD 484.63

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
146.05	151.18			Mafic Dike	fine-grained; very shattered; low recovery mixed in with minor amounts of shattered marble															
151.18	161.19			Marble	moderately shattered core; highly fractured, minor areas of gouge; low recovery; some mafic dike pebbles in core	160	160.32	CLOR 2												
161.19	161.75			Mafic Dike	fine-grained; skarned; brecciated; moderately shattered	161.19	161.75	SKRN 3	161.19	161.75	2									
161.75	179.22			Marble	moderately shattered core; highly fractured, minor areas of gouge; pits, vugs, fractures and areas of water infiltration visible	162.71	162.85	SKRN 5												
179.22	187.97			Mafic Dike	fine-grained	179.22	187.97	SKRN 2	179.22	187.97	1.5					181.36	183	G0791551	brecciated M	6.13
187.97	217.54			Marble	moderately shattered core; highly fractured, minor areas of gouge; pits, vugs, fractures and areas of water infiltration visible	188.61	188.86	SKRN 4												
217.54	218.17	75	irregular	Plagioclase porphyry	highly altered; brecciated; sub-rounded plag phenos	217.54	218.17	CLOR 3 EPID 2	217.54	218.17	1					217.54	218.17	G0791552	brecciated, s	5.7
218.17	233.36	60	Sharp	Marble	more competent; less fractures, vugs and water infiltration	222.84	222.9	SKRN 5								220.9	221.17	G0791553	mylonitic she	1.27
233.36	234.7			Skarn	brecciated skarn; scapolite, epid, clor, gt, diop present	233.36	234.7	SKRN 5	233.36	234.7	2					233.36	234.7	G0791554	brecciated sl	3.49
234.7	240.67			Marble	more competent; less fractures, vugs and water infiltration															
240.67	241.1	65	irregular	Skarn	brecciated	240.67	241.1	SKRN 5	240.67	241.1	3									
241.1	241.99		irregular	Marble																
241.99	243.97	40	Sharp	Mafic Dike	fine-grained; brecciated	241.99	243.97	SKRN 4	241.99	243.97	3					241.99	243.97	G0791555	brecciated sl	4.87
243.97	261.26	10	Undulating	Marble		252.45	252.68	CLOR 4												
261.26	261.85	65	Sharp	Horneblende-Pyroxene-Feldspar-Gabbro	acicular hornblende crystals; sub rounded feldspar and pyroxene phenos	261.26	261.85	CLOR 2												
261.85	268.76	40	Undulating	Marble	gypsum in fractures															
268.76	270.85			Plagioclase porphyry	core is shattered	268.76	270.65	CLOR 3 EPID 2								270	270.85	G0791556	plag porph	6.51
						270.65	270.85	SKRN 5												

Bore Hole	11-01B	North 5391158	Start 04/05/2011	az 210	Elev 457
Logged By	Alexis Eapen	East 388876	End 04/10/2011	dip -55	TD 484.63

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
270.85	276.15	30	Sharp	Marble	gypsum in fractures, and tiny vugs/pits															
276.15	280.29	45	irregular	Porphyritic gabbro	sub-equant plag phenos	276.15	280.29	CLOR 2 EPID 1												
280.29	298	45	Sharp	Marble	minimal or no gypsum											291.85	292.07	G0791557	brecciated sl	5.85
298	298.55	50	Sharp	Mafic Dike	fine-grained; brecciated	298	298.55	EPID 2								298	298.55	G0791558	brecciated sl	5.85
298.55	326.73		irregular	Marble		313.03	313.17	CLOR 3 EPID 1								324.95	325.29	G0791559	sheared skai	4.6
326.73	327.16		irregular	Mafic Dike	fine-grained; plag-phyric	326.73	327.16	EPID 2 CLOR 2												
327.16	327.62		irregular	Marble																
327.62	328.25		irregular	Mafic Dike	fine-grained; brecciated	327.62	328.25	EPID 3												
328.25	328.76		irregular	Marble																
328.76	329.54	25	Undulating	Skarn	mostly pale green diopside; mafic dike protolith?	328.76	329.54	SKRN 5 HEMT 1	328.76	329.54	1			328.9	3cm mt vein @ 20°	328.76	329.54	G0791560	skarn w/ min	9.4
329.54	329.89			Marble																
329.89	330.03		irregular	Massive Magnetite					329.89	330.03	3					329.89	330.8	G0791561	skarn w/ min	15.5
330.03	330.71		irregular	Skarn	mostly diopside, minor garnet, epidote; Mafic dike protolith	330.03	330.71	SKRN 5 HEMT 1	330.03	330.71	1									
330.71	334.44		irregular	Marble		330.93 331.69 333.4	331.19 331.87 333.7	SKRN 4 SKRN 4 CLOR 3 EPID 2	331.69	331.87	1.5			330.8	3cm mt blob					
334.44	334.49		irregular	Massive Magnetite					334.44	334.49	10					334.44	335	G0791562	skarned maf	17.95
334.49	335.15			Skarn	mostly diopside, minor epidote, scapolite, garnet; mafic dike protolith	334.49	335.15	SKRN 5												
335.15	336.9		irregular	Marble																
336.9	337.8	15	Undulating	Mafic Dike	fine-grained; plag-phyric	336.9	337.8	CLOR 3 EPID 1												
337.8	342.62	35	Undulating	Marble																
342.62	344.15			Porphyritic gabbro	equant plag phenos (2-4mm in size)	342.62	344.15	CLOR 1 EPID 2												
344.15	344.75	25	Undulating	Marble																
344.75	345.58		irregular	Mafic Dike	fine-grained	344.75	345.58	CLOR 2 EPID 2												
345.58	345.8		irregular	Marble																
345.8	346.35	15	Undulating	Mafic Dike	fine-grained	345.8	346.35	CLOR 2 EPID 1												
346.35	350.24			Marble	from 349.22 to 349.44; mt present, likely selective replacement of something in marble											348.87 349.22	349.22 349.53	G0791563 G0791564	mylonitic zor brecciated m	7.45 35.5
350.24	350.62		irregular	Skarn	mostly pale green diopside; w/ minor epidote; minor magnetite present in fractures	350.24	350.62	SKRN 5 HEMT 1								350.24	350.62	G0791565	skarn w/ min	7.8

Bore Hole	11-01B			North 5391158				Start	04/05/2011		az	210			Elev	457				
Logged By	Alexis Eapen			East 388876				End 04/10/2011			dip	-55			TD	484.63				
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
350.62	351.44			Massive Magnetite					350.62	351.44	2					350.62	351.44	G0791566	mass mt	43.5
351.44	351.73			Skarn	mostly pale green diopside; w/ minor epidote; minor magnetite present in fractures	351.44	351.73	SKRN 5 HEMT 1								351.44	351.73	G0791567	skarn (ore er	6.05
351.73	353.94		irregular	Marble																
353.94	355.69	25	Undulating	Porphyritic gabbro	minor mt in fractures; plag phenos equant to sub-equant (2-4mm in size)	353.94	355.69	CLOR 2 EPID 2								353.94	355	G0791568	porph gabbr	5.05
355.69	357.72			Marble																
357.72	358.28			Mafic Dike	fine-grained; plag-phyric	357.72	358.28	CLOR 2 EPID 1												
358.28	358.47	45	Sharp	Marble																
358.47	360.03	65	Sharp	Mafic Dike	fine-grained; plag-phyric	358.47	360.03	CLOR 2 EPID 2												
360.03	361.02	40	irregular	Marble																
361.02	361.42	55	Sharp	Mafic Dike	fine-grained; plag-phyric	361.02	361.42	CLOR 1 EPID 1												
361.42	362.29		irregular	Marble		361.91	362.12	SKRN 5 HEMT 1												
362.29	363.05			Porphyritic gabbro		362.29	363.05	EPID 2 CLOR 1												
363.05	363.29	65	Sharp	Marble																
363.29	363.82		irregular	Mafic Dike	fine-grained	363.29	363.82	HEMT 1 EPID 3CLOR 2												
363.82	367.36		irregular	Marble																
367.36	367.86	75	Sharp	Porphyritic gabbro	could be altered fine-grained mafic dike	367.36	367.86	SKRN 3 CLOR 2												
367.86	377.09	55	Undulating	Marble																
377.09	378.35	5	Undulating	Mafic Dike	fine-grained; plag-phyric	377.09	378.35	CLOR 2 SKRN 2												
378.35	380.2		irregular	Marble																
380.2	381.05			Mafic Dike	fine-grained; plag-phyric	380.2	381.05	EPID 3 CLOR 2												
381.05	381.52	20	Undulating	Marble																
381.52	381.96			Mafic Dike	fine-grained	381.52	381.96	EPID 2 CLOR 2												
381.96	386.04		irregular	Marble																
386.04	387.1	75	irregular	Mafic Dike	fine-grained	386.04 386.62 386.84	386.62 386.84 387.1	EPID 2 CLOR 2 CLOR 2 CLOR 2 EPID 2												
387.1	388		irregular	Marble																
388	390.64		irregular	Porphyritic gabbro	equant to sub-equant plag phenos (~2-4mm in size)	388 390.48	390.48 390.64	EPID 2 CLOR 2 EPID 3												
390.64	392			Mafic Dike	microgabbro? Fine to med- grained; Plag-phyric	390.64	392	EPID 1 CLOR 1												
392	392.24			Porphyritic gabbro	equant to sub-equant plag phenos (~2-4mm in size)	392	392.24	SKRN 3												

Bore Hole	11-01B		North 5391158				Start		04/05/2011	az	210				Elev	457				
Logged By	Alexis Eapen		East 388876				End 04/10/2011			dip	-55				TD	484.63				
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
392.24	400.73	40	Undulating	Marble		396.24	396.39	EPID 1 CLOR 1												
400.73	403.92		irregular	Porphyritic gabbro	equant to sub-equant plag phenos (~2-4mm in size)	400.73	403.92	EPID 2 CLOR 2												
403.92	416		irregular	Marble	gypsum in fractures and little vugs/pits	406.91	407.11	SKRN 2	414.23	414.53	1					411.38	411.61	G0791569	mylonitic zor	6.23
						413.95	414.12	CLOR 3 EPID 2												
						414.23	414.53	CLOR 1 EPID 2												
416	416.84		irregular	Mafic Dike	fine-grained; brecciated	416	416.84	CLOR 3 EPID 2												
416.84	419.14		irregular	Marble																
419.14	421.21	55	Sharp	Mafic Dike	fine-grained	419.14	421.21	EPID 2 CLOR 2												
421.21	421.46	75	Sharp	Marble																
421.46	422.08			Mafic Dike	fine-grained	421.46	422.08	CLOR 2 EPID 2HEMT 1												
422.08	425.38		irregular	Marble																
425.38	426.12	80	Sharp	Porphyritic gabbro	fabric almost obliterated; can still see plag phenocrysts	425.38	426.12	SKRN 4 SILI 4								425.38	426.12	G0791570	brecciated, h	4.03
426.12	427.26			Marble	mylonitic zone at top contact											426.12	426.72	G0791571	mylonitic zor	4.38
427.26	456.03	65	Sharp	Basalt	fine-grained; dark-grey; amygdules present	427.26	456.03	CLOR 3 EPID 2HEMT 1	427.26	456.03	0.8	0.1				440	441	G0791572	basalt	6.8
456.03	457.58	70	Sharp	Porphyritic gabbro	equant to sub-equant plag phenos (~2-4mm in size)	456.03	457.58	EPID 2 CLOR 1												
457.58	477.03		irregular	Basalt	fine-grained; dark-grey; amygdules present	457.58	477.03	CLOR 3 EPID 2HEMT 1	457.58	477.03	0.8	0.1								
477.03	477.84			Porphyritic gabbro	equant to sub-equant plag phenos (~2-4mm in size)	477.03	477.84	EPID 2 CLOR 1												
477.84	478.5			Basalt	fine-grained; dark-grey; amygdules present	477.84	478.5	CLOR 1 EPID 1												
478.5	479.83			Porphyritic gabbro	equant to sub-equant plag phenos (~2-4mm in size)	478.5	479.83	EPID 2 CLOR 1												
479.83	484.63			Basalt	fine-grained; dark-grey; amygdules present	479.83	484.63	CLOR 3 EPID 2HEMT 1	479.83		0.5									

Bore Hole	11-17B			North 5390988			Start	06/06/2011	az	220				Elev	530					
Logged By	Alexis Eapen and Kyle Karl			East 388600			End 06/10/2011		dip	-60				TD	399.9					
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
0	6.1			Casing	made up of mafic dike and qtz-biot-diorite boulders															
6.1	8.35			qtz-biotite-diorite	coarse-grained; shattered core	6.1	8.35	EPID 2 SILI 2												
8.35	9.34			Mafic Dike	fine-grained; plag-phyric	8.35	11.68	SILI 1 CLOR 1												
9.34	11.68			Plagioclase porphyry																
11.68	15.28		irregular	qtz-biotite-diorite	coarse-grained	11.68	12.84	EPID 1 SILI 2												
						12.84	13.35	SILI 4 EPID 1												
						13.35	15.28	EPID 1 SILI 2												
15.28	15.45	25	Sharp	Mafic Dike	fine-grained; quite fresh; unaltered															
15.45	18.22	25	Sharp	qtz-biotite-diorite	coarse-grained	15.45	17.67	SKRN 2 EPID 2SILI 3												
						17.67	18	EPID 3 SILI 3												
						18	18.22	EPID 2 SILI 3SKRN 2												
18.22	19.46	15	Sharp	Mafic Dike	fine-grained; moderately shattered core; plag-phyric; quite fresh	18.22	19.46	CLOR 1												
19.46	23.46		irregular	qtz-biotite-diorite	coarse-grained; very minor mt in fractures	19.46	21.12	SILI 3 SKRN 2EPID 2	21.12	23.46	0.5					22	24.2	G0792648	skarned qtz-	6.32
						21.12	23.46	SKRN 3 EPID 2												
23.46	23.89			Plagioclase porphyry	sub-equant plag phenos; glomeroporphyritic; weakly to moderately magnetic	23.46	23.89	EPID 3												
23.89	24.05	28	Sharp	qtz-biotite-diorite	highly skarned	23.89	24.05	SKRN 4												
24.05	24.2			Mafic Dike	fine-grained	24.05	24.2	SKRN 3 EPID 3												
24.2	24.64	50	Sharp	Skarn	mostly garnetite; w/ some epidote, scapolite; mt in fractures	24.2	24.64	SKRN 5	24.2	24.64	1	1				24.2	24.64	G0792649	mafic dike +	11.8
24.64	24.78			Magnetite-Skarn	disseminated mt + garnet-skarn	24.64	24.78	SKRN 5	24.64	24.78	1	0.8				24.64	25.32	G0792650	mass mt + m	41.2
24.78	25.32			Massive Magnetite					24.78	25.32	0.5	1.5								
25.32	27.56			Skarn	w/ minor disseminated mt throughout; mostly pyroxene, scapolite; some epidote, garnet	25.32	27.56	SKRN 5								25.32	27	G0792651	skarn w/ min	11.85
																27	29	G0792652	qtz-biot-diori	4.8
27.56	40.79		irregular	qtz-biotite-diorite	coarse-grained	27.56	40.79	EPID 2 SILI 3												
40.79	42.16			Mafic Dike	fine-grained	40.79	42.16	EPID 1												
42.16	46.65			qtz-biotite-diorite	coarse-grained	42.16	46.65	SKRN 2 SILI 3												

Bore Hole	11-17B			North 5390988			Start	06/06/2011	az 220					Elev 530						
Logged By	Alexis Eapen and Kyle Karl			East 388600			End 06/10/2011		dip -60					TD 399.9						
Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
46.65	51.82	10	Undulating	Basalt	amygdules present; weakly to moderately magnetic	46.65	62.2	CLOR 1 EPID 1												
51.82	56.31			Plagioclase porphyry	sub-equant plag phenos															
56.31	62.2			Basalt	fine-grained; amygdules present; weakly to moderately magnetic															
62.2	66.25			qtz-biotite-diorite	coarse-grained	62.2	63.62	CLOR 1 SILI 4												
						63.62	63.65	SILI 3												
						63.65	66.25	CLOR 1 SILI 4												
66.25	70.25	40	Sharp	Basalt	fine-grained; amygdules present; weakly to moderately magnetic	66.25	70.25	CLOR 2 EPID 1												
70.25	74.03	35	Sharp	qtz-biotite-diorite	coarse-grained	70.25	74.03	SILI 3 CLOR 1EPID 2												
74.03	74.5	20	Sharp	Mafic Dike	fine-grained; plag-phyric; almost porphyritic in some areas	74.03	74.5	CLOR 1												
74.5	74.68		irregular	qtz-biotite-diorite	coarse-grained	74.5	74.68	SILI 3 SKRN 2												
74.68	74.99	70	Sharp	Mafic Dike	fine-grained; quite fresh	74.68	74.99	CLOR 1												
74.99	77.77			qtz-biotite-diorite	coarse-grained	74.99	77.77	SILI 3 SKRN 2EPID 2												
77.77	78.05	75	Sharp	Plagioclase porphyry		77.77	78.05	CLOR 1												
78.05	87.44	80	Sharp	qtz-biotite-diorite	coarse-grained; very minor mafic segregations that are weakly magnetic	78.05	87.44	SILI 3 EPID 2CLOR 1												
87.44	92.46			Hbl-Diorite	coarse-grained; weakly-moderately magnetic	87.44	92.46	SILI 2 EPID 2CLOR 1												
92.46	99.07	85	irregular	qtz-biotite-diorite	coarse-grained	92.46	94.63	SILI 3 CLOR 1EPID 2												
						94.8	94.93	SILI 3 CLOR 1EPID 2												
						94.93	95.14	SILI 2 CLOR 1EPID 1												
						95.14	99.07	SILI 3 CLOR 1EPID 1												
99.07	99.56			Mafic Dike	fine-grained; hbl- and plag-phyric; weakly-moderately magnetic	99.07	99.56	CLOR 1 EPID 2												
99.56	106.49	70	Sharp	qtz-biotite-diorite	coarse-grained; minor weakly magnetic mafic segregations	99.56	106.49	SKRN 2 SILI 2CLOR 1	99.56	106.49	0.3									
106.49	107.34			Plagioclase porphyry	moderately shattered core; sub-equant plag phenos	106.49	107.34	CLOR 1												
107.34	112.11			qtz-biotite-diorite	coarse-grained; weakly magnetic mafic segregations	107.34	112.51	CLOR 1												
112.11	112.51			Mafic Dike	fine-grained; plag- and hbl-phyric; weakly magnetic															

Bore Hole 11-17B | North 5390988 | Start 06/06/2011 | az 220 | Elev 530
Logged By Alexis Eapen and Kyle Karl | East 388600 | End 06/10/2011 | dip -60 | TD 399.9

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
112.51	114.5			qtz-biotite-diorite	coarse-grained; weakly magnetitc	112.51	114.5	CLOR 1 SILI 2EPID 1												
114.5	115.62	44	Sharp	Mafic Dike	fine-grained; possibly dacite? Weakly magnetic	114.5	115.62	CLOR 1	114.5	115.62	0.2									
115.62	117.43			qtz-biotite-diorite	coarse-grained; weakly magnetic	115.62	117.43	SILI 2 EPID 1SKRN 1												
117.43	120.31			Plagioclase porphyry	glomeroporphyritic; weakly magnetic	117.43	120.31	EPID 2 CLOR 1												
120.31	137.88	62	Sharp	qtz-biotite-diorite	from 120.31-126.07m and 130.26-134.89m: fluid infiltration, silica dissolution? No qtz grains left 126.07-130.26: moderately shattered core	120.31	126.07	EPID 2 CLOR 1								124	126	G0792653	fluid infiltrate	3.29
						126.07	130.26	SKRN 2 CLOR 1SILI 3												
						130.26	134.89	CLOR 1 EPID 1												
						134.89	137.88	EPID 3												
137.88	139.47	47	Sharp	Plagioclase porphyry	shattered core; sub-equant plag phenos; glomeroporphyritic	137.88	138	EPID 2 CLOR 2												
						138	138.06	EPID 3												
						138.06	139.47	EPID 2 CLOR 2												
139.47	141.88			qtz-biotite-diorite	coarse-grained	139.47	139.62	EPID 2 SILI 3												
						139.62	139.67	CLOR 1 EPID 1												
						139.67	139.71	EPID 2 SILI 3												
						139.71	139.75	CLOR 1 EPID 1												
						139.75	141.88	EPID 2 SILI 3												
141.88	144.27			Mafic Dike	fine-grained; shattered core; quite recrystallized in some areas; minor qtz-biot-diorite fingers present	141.88	144.27	CLOR 2 EPID 2												
144.27	147.81			qtz-biotite-diorite	coarse-grained; shattered core	144.27	147.81	SILI 3 CLOR 1EPID 2												
147.81	150.04			Mafic Dike	fine-grained; shattered core; minor qtz-biot-diorite fingers	147.81	150.04	EPID 2 CLOR 2												
150.04	151.45			qtz-biotite-diorite	coarse-grained	150.04	151.18	SILI 3 CLOR 2SKRN 2												
						151.18	151.45	SILI 3 SKRN 3CLOR 1												
151.45	151.8			Mafic Dike	highly altered; very very shattered core	151.45	151.8	SKRN 3 CLOR 4												
151.8	152.22			Skarn	mostly garnet, some pyroxene; minor epidote	151.8	152.22	SKRN 5												
152.22	152.96			qtz-biotite-diorite	highly skarn altered	152.22	152.96	SKRN 4	152.22	152.96	0.5									
152.96	153.8			Plagioclase porphyry	different from previous plag porphs; plag phenos are smaller, sub-rounded (~1-2mm)	152.96	153.8	CLOR 1 EPID 1												
153.8	154.25			qtz-biotite-diorite	quite altered; bleached looking	153.8	154.25	EPID 4 SILI 3												

Bore Hole	11-17B	North 5390988	Start 06/06/2011	az 220	Elev 530
Logged By	Alexis Eapen and Kyle Karl	East 388600	End 06/10/2011	dip -60	TD 399.9

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
154.25	157.25			Skarn	mostly pyroxene, epidote, garnet; minor scapolite	154.25	157.25	SKRN 5								155	157	G0792654	gt-px-skarn	10.05
157.25	163.42			qtz-biotite-diorite	coarse-grained	157.25	157.48	SILI 3 EPID 2SKRN 2												
						157.48	157.63	CLOR 1												
						157.63	160.44	SILI 3 EPID 2SKRN 2												
						160.44	160.64	CLOR 1												
						160.64	163.42	SILI 3 EPID 2SKRN 2												
163.42	165.18			Skarn	mostly garnet; some pyroxene; minor epidote; minor mt bleb at 164.70m	163.42	165.18	SKRN 5								164	165	G0792655	skarn w/ min	9.43
165.18	169.27	20	irregular	qtz-biotite-diorite	coarse-grained	165.18	169.27	SKRN 2 CLOR 1EPID 2												
169.27	172.45			Skarn	mostly garnet, epidote; some pyroxene; qtz-biot-diorite protolith	169.27	172.45	SKRN 5								169.27	171	G0792656	skarn w/ min	10.85
																171	172.45	G0792657	skarn	10.15
172.45	173.62	46	Sheared	qtz-biotite-diorite	coarse-grained; highly silicified	172.45	173.62	SILI 4 EPID 2CLOR 1								172.45	173.74	G0792670	silicified qtz-l	4.09
																172.45	173.74	G0792658	silicified qtz-l	2.93
173.62	174.29		Undulating	Mafic Dike	fine-grained	173.62	174.29	CLOR 1 EPID 1SKRN 1												
174.29	177.1			qtz-biotite-diorite	coarse-grained; some irregular plag porphyry fingers near to top contact; mafic segregations throughout	174.29	177.1	EPID 2 CLOR 2SILI 3	176.21	177.1	0.7									
177.1	180.46			Plagioclase porphyry	smallersub-rounded plag phenos (~1-2mm);	177.1	180.46	EPID 2 CLOR 2												
180.46	192.31			qtz-biotite-diorite	coarse-grained; minor magnetic mafic segregations present	180.46	192.31	SILI 3 EPID 2CLOR 1												
192.31	192.76		Undulating	Mafic Dike	fine-grained; plag-phyric	192.31	192.76	SILI 3 EPID 2SKRN 2	192.31	192.76	4									
192.76	212.85			qtz-biotite-diorite	coarse-grained	192.76	198.5	SILI 3 EPID 2SKRN 2												
						198.5	198.8	CLOR 1												
						198.8	203.4	SILI 3 EPID 2SKRN 2												
						203.4	205.41	SILI 4 SKRN 3												
						205.41	212.85	SILI 3 SKRN 2EPID 2												
212.85	216.51	70	Sharp	Plagioclase porphyry	sub-rounded plag phenos	212.85	216.51	CLOR 1 EPID 2												
216.51	216.66			qtz-biotite-diorite	shattered then annealed; very silicified	216.51	216.66	SILI 5 EPID 2												
216.66	218.22			Mafic Dike	fine-grained; plag-phyric; weakly magnetic; shattered core	216.66	218.22	CLOR 2 EPID 2												
218.22	224.14			qtz-biotite-diorite	coarse-grained; w/ minor mafic segregations	218.22	224.14	EPID 1 CLOR 1SILI 1												
224.14	226.02			Mafic Dike	fine-grained; minor qtz-biot-diorite fingers nearer to top contact	224.14	226.02	SKRN 1 SILI 1CLOR 2												

Bore Hole	11-17B	North	5390988	Start	06/06/2011	az	220	Elev	530		
Logged By	Alexis Eapen and Kyle Karl	East	388600	End	06/10/2011	dip	-60	TD	399.9		

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
226.02	228.02	12	irregular	qtz-biotite-diorite	coarse-grained; w/ minor mafic segregations	226.02	228.02	SILI 2 SKRN 2												
228.02	229.75	48	irregular	Plagioclase porphyry	glomeroporphyritic; very silicified	228.02	229.75	SILI 4 EPID 2												
229.75	230.38			Epidote-Skarn	mostly epidote; minor scapolite, pyroxene	229.75	230.38	SKRN 5												
230.38	232.94	40	Undulating	qtz-biotite-diorite	dioritic in composition in some areas	230.38	231.68	EPID 3 SILI 2CLOR 2												
						231.68	231.88	CLOR 2 EPID 2												
						231.88	232.94	EPID 3 SILI 2CLOR 2												
232.94	233.85			Mafic Dike	fine-grained	232.94	233.85	SKRN 3												
233.85	239.78			qtz-biotite-diorite	coarse-grained	233.85	239.78	SKRN 3 SILI 3												
239.78	241.5			Mafic Dike	fine-grained	239.78	241.5	SKRN 3 CLOR 2												
241.5	245.67			Skarn	minor remnants of mafic dike; some clasts present; mostly pyroxene, garnet; some epidote	241.5	245.67	SKRN 5												
245.67	251.7			qtz-biotite-diorite	coarse-grained	245.67	248.01	SILI 3 CLOR 2SKRN 2												
						248.01	248.52	SILI 4 SKRN 3CLOR 1												
						248.52	252.32	SILI 3 CLOR 2SKRN 3												
251.7	256.25			Mafic Dike	fine-grained; moderately shattered core	251.7	256.25	CLOR 2 EPID 2SKRN 1												
						252.32	251.7	SILI 5 EPID 2												
256.25	259.08			Plagioclase porphyry	very shattered core	256.25	256.88	SILI 4 CLOR 2												
						256.88	256.98	CLOR 3												
						256.98	259.08	SILI 4 CLOR 2												
259.08	259.69			Mafic Dike	fine-grained; moderately shattered core	259.08	259.69	SKRN 1 CLOR 2EPID 2												
259.69	259.95			qtz-biotite-diorite	coarse-grained	259.69	259.95	SILI 3 SKRN 2												
259.95	261.05			Mafic Dike	fine-grained;	259.95	261.05	CLOR 2 EPID 2												
261.05	264.2			qtz-biotite-diorite	coarse-grained; shattered core	261.05	262.67	SILI 4 SKRN 2CLOR 1												
						262.67	264.2	SILI 3 SKRN 2CLOR 1												
264.2	268.77			Skarn	mostly pyroxene, garnet, epidote; minor mt bleb @ 265.70m	264.2	268.77	SKRN 5								265	267	G0792659	skarn w/ ver	9.38
268.77	269.9			qtz-biotite-diorite	coarse-grained	268.77	269.9	SKRN 3 SILI 2CLOR 1												
269.9	272.6			Epidote-Skarn	mostly epidote; minor garnet, scapolite	269.9	272.6	SKRN 5 EPID 5								271	272	G0792660	epidote-skar	6.62
																272	274	G0792661	skarned maf	7.14
272.6	276.44			Mafic Dike	fine-grained; w/ minor mt in fractures	272.6	276.44	SKRN 3 CLOR 4								274	276.44	G0792662	skarned maf	7.88
276.44	277.8			Skarn	very light blue-green pyroxene; minor epidote	276.44	277.8	SKRN 5												

Bore Hole	11-17B	North 5390988	Start 06/06/2011	az 220	Elev 530
Logged By	Alexis Eapen and Kyle Karl	East 388600	End 06/10/2011	dip -60	TD 399.9

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
277.8	283.79			Marble	281.10m-281.50m: dissem mt throughout; 15%mt; minor mt veined/disseminated											279.94	281.1	G0792663	shear zone	5.64
																281.1	281.58	G0792664	marble w/ dis	11.8
																281.58	283	G0792665	shear zone	6.55
																283	283.95	G0792666	marble w/ mi	8.23
283.79	283.95	45	Sharp	Mafic Dike	fine-grained; mt in veins	283.79	283.95	EPID 4												
283.95	285.52			Massive Magnetite					283.95	282.52	0.8	0.5				283.95	286.15	G0792667	mass mt w/ r	48.1
285.52	286.15			Mafic Dike	fine-grained; very shattered core; very low recovery	285.52	286.15	CLOR 3 EPID 2												
286.15	288.24			Massive Magnetite					286.15	288.24	2	0.3	4			286.15	288.24	G0792668	mass mt	63
288.24	291.83	54	Sharp	Marble												288.24	289.56	G0792669	marble (ore (	1.66
291.83	292.03			Mafic Dike	fine-grained	291.83	292.03	CLOR 3 EPID 2												
292.03	292.71			Marble																
292.71	293.06	51	irregular	Mafic Dike	very shattered core	292.71	293.06	CLOR 3 EPID 2												
293.06	295.73	39	Sharp	Marble																
295.73	296.1	21	Sharp	Mafic Dike	fine-grained	295.73	296.1	CLOR 2 EPID 2												
296.1	304.9			Marble	minor mt stringers near bottom contact											304	304.9	G0792671	marble w/ mi	4.79
304.9	305.65	52	Sharp	Massive Magnetite		305.37	305.67	CLOR 4	304.9	305.65	2					304.9	305.65	G0792672	mass mt	40.2
305.65	307.42			Marble	minor mt stringers present											305.65	307.42	G0792673	marble w/ mi	3.39
307.42	307.91		irregular	Massive Magnetite					307.42	307.91	1.5					307.42	307.91	G0792674	mass mt	45.6
307.91	329.55			Marble												307.91	309	G0792675	marble (ore (	0.64
329.55	330.3	25	Undulating	Mafic Dike	fine-grained	329.55	330.3	SKRN 3 CLOR 3EPID 2												
330.3	342.18	40	Sharp	Marble																
342.18	345.06	35	irregular	Basalt	fine-grained; amygdules present	342.18	345.06	CLOR 2 EPID 2												
345.06	345.38	50	Sharp	Plagioclase porphyry	plag-hbl-porphyry; quite fresh; acicular hbl phenos; small rounded plag phenos															
345.38	346.78	40	Sharp	Basalt	fine-grained; amygdules present	345.38	346.78	CLOR 2 EPID 2												
346.78	347.81	30	Sharp	Marble		347.15	347.25	SKRN 2												
347.81	348.45	25	Sharp	Plagioclase porphyry	plag-hbl-porphyry; acicular hbl phenos; small rounded plag phenos	347.81	348.45	SKRN 1 EPID 2CLOR 1												
348.45	351.18	20	Undulating	Marble		350.29	350.51	CLOR 2 EPID 2												
351.18	352.37	55	Undulating	Skarn	likely marble protolith; mostly pyroxene, epidote; some garnet, scapolite	351.18	352.37	SKRN 5	351.18	352.37	2.5									
352.37	354.76	25	Undulating	Marble																

Bore Hole 11-17B North 5390988 Start 06/06/2011 az 220 Elev 530

Logged By Alexis Eapen and Kyle Karl East 388600 End 06/10/2011 dip -60 TD 399.9

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
354.76	355.31		irregular	Plagioclase porphyry	highly skarn altered	354.76	355.31	SKRN 4								354.76	355.53	G0792676	plag porph +	6.31
355.31	355.33	60	Sharp	Marble																
355.33	356.48			Magnetite-Skarn	mt + pyroxene-skarn	355.33	356.48	SKRN 5	355.33	356.48	3	0.3	3			355.53	356.48	G0792677	mt-skarn	23.5
356.48	357.06			Basalt	fine-grained	356.48	357.06	EPID 2 CLOR 1								356.48	357.48	G0792678	basalt + skar	7.84
357.06	357.48			Garnet-Pyroxene-Skarn	gt>pyx; minor epidote	357.06	357.48	SKRN 5												
357.48	359.35			Basalt	fine-grained; amygdules present	357.48	357.74	SKRN 4								359	361	G0792679	skarn	10.4
						357.74	358.72	CLOR 2 EPID 2												
						358.72	359.35	SKRN 2 CLOR 2												
359.35	362.42			Garnet-Pyroxene-Skarn	mostly garnet; some pyroxene; minor epidote	359.35	362.42	SKRN 5												
362.42	363.09	38	Sharp	qtz-biotite-diorite	could be very silicified marble; could possibly be a sandstone layer in marble that has been metamorphosed	362.42	363.09	SILI 5 SKRN 2												
363.09	363.74	40	Sharp	Horneblende-Pyroxene-Feldspar-Gabbro	sub-equant phenos	363.09	365.47	EPID 2 CLOR 2												
363.74	365.85	70	irregular	Plagioclase porphyry	sub-equant plag phenos	365.47	365.85	SKRN 4												
365.85	368.54			Skarn	likely plag porphyry protolith; mostly garnet, pyroxene, epidote	365.85	368.54	SKRN 5												
368.54	369.15			Plagioclase porphyry	plag-hbl-porphyry; acicular hbl phenos; sub-rounded plag phenos	368.54	369.15	CLOR 2 EPID 2												
369.15	369.48			Skarn	likely plag porphyry protolith; mostly pyroxene, garnet, epidote	369.15	369.48	SKRN 5												
369.48	369.74		irregular	Basalt	fine-grained	369.48	369.74	CLOR 2 EPID 1								369.71	371	G0792696	skarn; Duplic	7.86
																369.71	371	G0792680	skarn; Duplic	8.88
369.74	374			Skarn	mostly garnet, pyroxene; some epidote, minor scapolite	369.74	374	SKRN 5												
374	374.28			Basalt	fine-grained	374	374.28	CLOR 2 EPID 2												
374.28	374.54			Skarn	mostly garnet; some pyroxene, epidote	374.28	374.54	SKRN 5												
374.54	381.85			Basalt	fine-grained; amygdules present	374.54	381.85	SKRN 2 CLOR 2EPID 2												
381.85	382.81			Plagioclase porphyry		381.85	382.81	EPID 1 CLOR 1												
382.81	394.91	80	Sharp	Basalt	fine-grained; amygdules present; from 390.14-394.91m: weakly to moderately magnetic	382.81	394.91	SKRN 1 EPID 2CLOR 2												

Bore Hole	11-17B	North 5390988	Start 06/06/2011	az 220	Elev 530
Logged By	Alexis Eapen and Kyle Karl	East 388600	End 06/10/2011	dip -60	TD 399.9

Lithology						Alteration			Sulphide					Point Structures		Samples				
From (m)	To (m)	Contact angle	Contact type	Rock Type	Description	From (m)	To (m)	Alteration type(s) and intensity(s)	From (m)	To (m)	%py	%cpy	%po	depth (m)	description	From (m)	To (m)	Sample#	Description	Fe %
394.91	395.34			Plagioclase porphyry		394.91	395.34	CLOR 1 EPID 1												
395.34	399.9			Basalt	fine-grained; weakly to moderately magnetic	395.34	399.9	CLOR 2								398	399.9	G0792681	magnetic ba:	8.32

Appendix B

Graphic Strip Logs of the 2010 Bugaboo Drilling

PACIFIC IRON ORE CORPORATION

Project: Pearson	Northing:5390988	Logged By: Alexis Eapen and Kyle Karlzen	
Drillhole: 11-16B	Easting:388600	Collar Dip: -80	
Start Date: 01/06/2011	Elevation:530 m	Azimuth: 150	
End Date: 06/06/2011	Projection: NAD 83 UTM 10N	Total Depth: 420.62	
		Core Size: NQ2	1 of 5

Depth m | Assay Results: Sample, Fe 0 - 75 %, MAG %, Cu ppm, % S | Geotech: RQD, Rec | Sulphide: 0 - 20 % py : cpy : po | Alteration: SKRN, PROP, EPI, CLOR, SILI | Point Notes: contacts | Lithology: Unit, Description

Depth scale: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Assay Results

Sample	Fe	MAG %	Cu ppm	% S
G0792625	11.2		77.5	0.3
G0792626	9.4		9.6	0.1
G0792627	3.0		72.9	0.3

Lithology

contacts	Description
	Casing : made up of plag porphyry and qtz-biot-diorite boulders
	qtz-biotite-diorite : coarse-grained; moderately shattered core
	Plagioclase porphyry : sub-equant plag phenos
	qtz-biotite-diorite : coarse-grained; moderately shattered core
15	Mafic Dike : fine-grained; weakly magnetic
	qtz-biotite-diorite : highly altered; mostly garnet, some epidote
	Mafic Dike : fine-grained
25	Epidote-Skarn : mostly epidote, some scapolite; qtz-biot-diorite protolith
	qtz-biotite-diorite : coarse-grained
	Mafic Dike : fine-grained; plag-phyric; minor qtz-biot-diorite fingers
	qtz-biotite-diorite : coarse-grained
	Mafic Dike : fine-grainied
	qtz-biotite-diorite : coarse-grained
	Mafic Dike : fine-grained; moderately shattered core; minor qtz-biot-diorite fingers throughout
	Mafic Dike : fine-grained; plag-phyric; shattered core
	qtz-biotite-diorite : highly silicified
	Mafic Dike : fine-grained; shattered core
	qtz-biotite-diorite : coarse-grained
	Plagioclase porphyry : sub-equant plag phenos; minor qtz-biot-diorite fingers closer to bottom contact
45	qtz-biotite-diorite : coarse-grained; minor mafic segregations throughout

Depth m	Assay Results: Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S	Geotech: RQD	Rec	Sulphide 0 - 20 % py : cpy : po	Alteration: SKRN	PROP	EPI	CHL	SILI	Point Notes	Lithology: contacts	Unit	Description

Depths: 110, 120, 130, 140, 150, 160, 170, 180, 190, 200

contacts	Description
	Mafic Dike : highly altered; plag-phyric; moderately shattered core
30	qtz-biotite-diorite : coarse-grained; minor mafic dike fingers throughout
	Mafic Dike : fine-grained
30	qtz-biotite-diorite : coarse-grained, very skarn altered
	Mafic Dike : fine-grained; moderately shattered core
	qtz-biotite-diorite : coarse-grained
	Mafic Dike : fine-grained; shattered core
	qtz-biotite-diorite : coarse-grained; moderately shattered core
	gabbro : biotite-gabbro; more like biotite-diorite in some areas; med-grained
	qtz-biotite-diorite : coarse-grained; minor mafic dike clasts; some mafic segregations present
45	Mafic Dike : fine-grained; plag-phyric; minor qtz-biot-diorite fingers
	qtz-biotite-diorite : coarse-grained; minor mafic segregations throughout
65	Mafic Dike : fine-grained
35	qtz-biotite-diorite : med- to coarse-grained; some areas more dioritic in composition
	Mafic Dike : plag-phyric; looks a little bleached
	qtz-biotite-diorite : coarse-grained
	Mafic Dike : fine-grained; moderately shattered core
	qtz-biotite-diorite : very silicified
	Mafic Dike : or basalt? Amygdules present
	qtz-biotite-diorite : coarse-grained
	Mafic Dike : fine-grained; moderately shattered core
	Plagioclase porphyry : glomeroporphyritic; sub-equant plag phenos
70	Mafic Dike : fine-grained
65	Plagioclase porphyry : glomeroporphyritic; equant to sub-equant plag phenos
70	qtz-biotite-diorite : coarse-grained
	Mafic Dike : fine-grained; plag-phyric
	Plagioclase porphyry : glomeroporphyritic; sub-equant plag phenos
	qtz-biotite-diorite : coarse-grained
	Mafic Dike : fine-grained
	qtz-biotite-diorite : very silicified
	Mafic Dike : fine-grained
	qtz-biotite-diorite : very silicified; moderately shattered
	Mafic Dike : fine-grained
	qtz-biotite-diorite : med-grained; moderately shattered core; weakly to moderately magnetic
	Mafic Dike : fine-grained

Depth m	Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S	Sulphide 0 - 20 % py : cpy : po
	G0792628	5.2		17.1	0.2	
210						
220	G0792629	9.1		459.0	2.2	2 : 0 : 0
	G0792630	58.9		598.0	2.1	3 : 0.3 : 4
	G0792631	55.7		240.0	0.6	0.8 : 0.3 : 1.5
	G0792632	62.8		277.0	1.2	3 : 0.3 : 0.5
	G0792633	62.7		381.0	2.4	4 : 0 : 2.5
	G0792634	66.5		357.0	1.8	3 : 0.3 : 3
230	G0792635	66.8		649.0	3.2	1.5 : 0.3 : 3
	G0792636	62.7		692.0	3.1	1.5 : 0.2 : 4
	G0792637	59.8		736.0	3.9	4 : 0 : 3
	G0792638	0.9		18.2	1.8	
240						
250						2 : 0 : 0
260						4 : 0 : 0
						2 : 0 : 0
270						
280						
290						
300						

Geotech: RQD, Rec

Alteration: SKRN, PROP, EPI, CHL, SILI

Point Notes

contacts	Unit / Description
	qtz-biotite-diorite : med-grained; moderately shattered core; weakly to moderately magnetic; from 213.56m onwards, diorite is more coarse-grained and is not magnetic
	Mafic Dike : fine-grained; w/ minor mt in fractures
	Massive Magnetite :
35	Marble : w/ minor mt
	Massive Magnetite :
	Marble :
60	Plagioclase porphyry : smaller plag phenos (~1mm)
	Marble :
55	Plagioclase porphyry : smaller plag phenos (~1mm)
	Marble :
60	Mafic Dike : very altered
	Skarn : mostly scapolite, epidote, pale green pyroxene; probably marble protolith
55	Marble :
65	Mafic Dike : fine-grained
	Marble :
30	Mafic Dike : fine-grained; plag-phyric
35	Marble : from 301.23-302.69m: doesn't fizz, probably anhydrite, looks similar to gypsum but much harder
60	Plagioclase porphyry : glomeroporphyritic; sub-equant plag phenos
40	Marble : from 304.38-308.76m: doesn't fizz, probably anhydrite; from 307.76m onwards: marble fizzes

Depth m	Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S
	G0792639	1.7		17.7	0.2
	G0792640	60.5		1250.0	1.9
	G0792641	57.6		1410.0	5.0
	G0792643	9.6		822.0	2.2
	G0792644	10.8		971.0	5.3
	G0792645	6.6		138.0	0.7

Assay Results | Geotech (RQD, Rec) | Sulphide | Alteration (SKRN, PROP, EPI, CHL, SILI) | Point Notes | Lithology

Sulphide 0 - 20 %

py	cpy	po
4	0	0
4	0	0
3.5	0	0
2	0.3	1.5
4	0.3	2.5
4	0	0
2	0	0

Depth (m): 310, 320, 330, 340, 350, 360, 370, 380, 390, 400, 410

contacts	Unit: Description
	Skarn : mostly pale green pyroxene; some epidote, scapolite
	Marble :
	Skarn : mostly pale green pyroxene; some epidote, scapolite
	Marble :
15	Mafic Dike : fine-grained
	Marble :
	Mafic Dike : fine-grained
	Marble :
20	Mafic Dike : fine-grained
	Marble :
35	Mafic Dike : fine-grained
	Marble :
	Plagioclase porphyry : sub-equant plag phenos
	Marble :
	Skarn : light green pyroxene; minor epidote
	Marble :
	Mafic Dike : very shattered core, very altered
	Marble :
	Skarn : silicified
	Marble :
	Massive Magnetite :
	Basalt : quite shattered and then healed; moderately shattered core
	Marble :
45	Basalt : core is shattered, then healed (closer to top contact); weakly to moderately magnetic; amygdules present

Depth m	Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S	RQD	Rec	Sulphide 0 - 20 % py : cpy : po	SKRN	PROP	EPI	CHL	SILI	Point Notes contacts	Unit	Description
410																
	G0792646	3.4		45.4	0.1											
420																

Legend

Lithology Units
- Drill Casing / Overburden
- Dacite
- Ore Zone
- Skarn Zone
- Plagioclase Porphyry Sills/Dikes
- Felsic Intrusive
- Mafic Intrusive
- Mafic Volcanic
- Carbonate

Alteration

Types

SKRN: Skarn; gt, pyx, +/-ep, +/-sulphide

PROP: Propylitic; ep, clor, py, ser

EPI: Epidotic; ep

CLOR: Chloritic; clor, ser

SILI: Silicifacation; qtz, silica polymorphs

Intensity
- 1 Local, Confined to viens
- 2 In and around viens
- 3 Patchy, Penetrated into rock,but some of rock remains unaltered
- 4 Pervasive, All of the rock is altered, but fabric remains
- 5 Ubiquitous, fabric is obliterated by alteration

Scale: 1:100

PACIFIC IRON ORE CORPORATION

Project: Pearson	Northing:5390828	Logged By: Alexis Eapen and Kyle Karlzen	
Drillhole: 11-15B	Easting:388725	Collar Dip: -50	
Start Date: 29/05/2011	Elevation:480 m	Azimuth: 25	
End Date: 01/06/2011	Projection:NAD 83 UTM 10N	Total Depth: 353.57	
		Core Size: NQ2	

Depth m | Assay Results: Sample, Fe 0 - 75 %, MAG %, Cu ppm, % S | Geotech: RQD, Rec | Sulphide: 0 - 20 % py : cpy : po | Alteration: SKRN, PROP, EPI, CLOR, SILI | Point Notes: contacts | Lithology: Unit, Description

Assay Results

Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S
G0792564	7.4		5.6	0.0
G0792565	8.4		3.8	0.1

Sulphide (py : cpy : po)

1 : 0 : 0

Lithology

Description
Casing : made up of mafic dike and quartz-biotite-diorite boulders
Mafic Dike : fine-grained; shattered core
qtz-biotite-diorite : highly silicified; very shattered core
Mafic Dike : fine-grained; very shattered core
qtz-biotite-diorite : coarse-grained; shattered core
Mafic Dike : fine-grained; plag-phyric; shattered core
qtz-biotite-diorite : coarse-grained; moderately shattered core
Plagioclase porphyry : could be very altered quartz-biotite-diorite? Glomeroporphyritic; shattered core
qtz-biotite-diorite : coarse-grained; moderately shattered core
Mafic Dike : fine-grained; shattered core
qtz-biotite-diorite : coarse-grained
Mafic Dike : fine-grained; very shattered core
qtz-biotite-diorite : coarse-grained; moderately shattered core
Mafic Dike : fine-grained
qtz-biotite-diorite : coarse-grained
Plagioclase porphyry : glomeroporphyritic; equant plag phenos
qtz-biotite-diorite : coarse-grained
Plagioclase porphyry : glomeroporphyritic; equant plag phenos
qtz-biotite-diorite : coarse-grained
Plagioclase porphyry : shattered core from 70.10-74.50m.
Mafic Dike : fine-grained; moderately shattered core; minor qtz-biot-diorite fingers closer to top contact
qtz-biotite-diorite : coarse-grained
Mafic Dike : fine-grained; moderately shattered core
qtz-biotite-diorite : coarse-grained; highly altered
Plagioclase porphyry : glomeroporphyritic; sub-equant plag phenos
Mafic Dike : microgabbro?
Plagioclase porphyry : sub-equant plag phenos; smaller phenos than previous ones (~1-2mm)
Garnet-Pyroxene-Skarn : mostly pyroxene; some garnet, actinolite; minor epidote, scapolite
Plagioclase porphyry : sub-equant plag phenos
Skarn : mostly pyroxene, actinolite; some epidote
Mafic Dike : fine-grained
Garnet-Pyroxene-Skarn : mostly pyroxene, actinolite; some garnet; minor epidote
Plagioclase porphyry : equant plag phenos

Depth m	Assay Results: Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S
	G0792566	10.1		5.8	0.1
110					
	G0792567	7.6		145.0	0.2
	G0792568	33.6		27.1	0.1
	G0792569	8.2		254.0	1.2
120	G0792570	6.5		73.3	0.1
	G0792571	8.0		81.9	0.3
	G0792573	6.3		87.9	0.1
	G0792574	55.7		667.0	1.8
	G0792575	12.5		42.5	0.4
	G0792576	60.5		480.0	2.9
	G0792577	58.9		331.0	1.0
	G0792578	64.4		509.0	2.4
130	G0792579	65.4		606.0	2.4
	G0792580	7.3		56.7	0.1
	G0792581	9.7		97.2	0.4
	G0792582	57.4		664.0	1.5
	G0792583	19.5		24.8	0.2
	G0792584	57.2		399.0	1.9
	G0792585	58.8		591.0	2.8
140	G0792586	9.3		271.0	1.5
	G0792587	11.3		332.0	1.6
	G0792588	7.8		170.5	0.4
	G0792589	58.3		702.0	1.8
	G0792590	15.1		14.9	0.1
150					
160					
170					
180					
	G0792591	6.6		693.0	2.8
	G0792592	62.4		516.0	1.9
	G0792593	7.6		23.7	0.1
	G0792594	46.9		394.0	1.2
	G0792595	6.4		165.5	0.6
	G0792597	48.0		619.0	2.7
	G0792598	11.8		112.5	0.8
190	G0792599	25.5		264.0	1.8
	G0792600	60.7		1660.0	4.6
	G0792601	7.3		23.8	0.1
	G0792602	48.9		606.0	4.1
	G0792603	18.9		813.0	2.3
	G0792604	8.3		80.4	0.3
200					

Geotech: RQD, Rec

Sulphide 0 - 20 %

py	cpy	po
1	0	0
3	0	0
2.5	0	5
2	0.3	0.8
2.5	0.4	1
1.5	0.8	0
1.5	0.4	0
2	0	1
2	0	0
2	0	2
4	0	0
6	0	0
2	1	1
1.5	0	0.5
2.5	0	0
2	0	0
4	0	0
4	0.2	0
4	0.3	2
4	0.2	5
4	0	0
3	0.8	3

Alteration: SKRN, PROP, EPI, CHL, SILI

Point Notes

contacts	Lithology: Unit : Description
	Garnet-Pyroxene-Skarn : mostly garnet; some epidote; minor pyroxene
40	Mafic Dike : fine-grained
	Skarn : mostly pyroxene, actinolite, epidote; minor garnet
	Mafic Dike : or basalt? amygdules present?
	Magnetite-Skarn :
	Mafic Dike : fine-grained; plag-phyric; very minor mt in fractures
70	Plagioclase porphyry : glomeroporphyritic; equant plag phenos; minor mt in fractures; minor 3cm mass mt @ 122.37m and 122.62m
	Massive Magnetite :
	Plagioclase porphyry : glomeroporphyritic; equant plag phenos; minor mt in fractures
	Mafic Dike : fine-grained
	Massive Magnetite :
	Mafic Dike : fine-grained; very shattered core
	Massive Magnetite :
	Plagioclase porphyry : glomeroporphyritic; sub-equant plag phenos
	Magnetite-Skarn : mt + pyroxene-skarn
	Massive Magnetite :
	Mafic Dike : fine-grained; very shattered core
	Massive Magnetite :
	Mafic Dike : fine-grained; very shattered core
	Massive Magnetite :
	Skarn : mostly very light blue-green pyroxene; almost white looking; w/ minor disseminated and fractured mt
	Magnetite-Skarn : mt + pyroxene-skarn
	Skarn : mostly very light green-blue pyroxene; w/ minor fractured and blebed mt
	Magnetite-Skarn : mt + pyroxene-skarn
	Mafic Dike : fine-grained; plag-phyric
	Skarn : mostly all pyroxene; w/ minor mt in fractures
	Massive Magnetite :
	Skarn : mostly euhedral brownish-green garnet
65	Mafic Dike : fine-grained; very shattered core
	Marble :
	Plagioclase porphyry : moderately shattered core
80	Marble :
	Mafic Dike : fine-grained; shattered core
	Marble :
	Skarn : mostly epidote, scapolite, pyroxene
65	Marble :
5	Plagioclase porphyry : sub-equant plag phenos
25	Hbl-Gabbro : med- to coarse-grained
	Mafic Dike : fine-grained; plag-phyric
20	Hbl-Gabbro : med- to coarse-grained; weakly magnetic
	Marble :
	Plagioclase porphyry : sub-equant plag phenos
60	Marble :
75	Mafic Dike : fine-grained
	Marble :
	Mafic Dike : fine-grained
	Marble :
60	Mafic Dike : fine-grained; brecciated and then healed
	Marble :
	Mafic Dike : fine-grained
	Marble :
65	Mafic Dike : fine-grained
	Marble :
45	Skarn :
40	Marble :
	Massive Magnetite :
	Mafic Dike : fine-grained
40	Massive Magnetite :
	Plagioclase porphyry : sub-equant plag phenos
	Massive Magnetite :
	Marble :
	Massive Magnetite :
	Plagioclase porphyry : highly altered (feldspars have been epidote altered)
	Magnetite-Skarn : mass mt + disseminated mt in marble
	Marble : w/ minor blebbed and stringer mt
	Massive Magnetite : w/ minor clasts of marble
35	Marble :
	Massive Magnetite :
	Mafic Dike : fine-grained
50	Massive Magnetite :
	Marble : w/ minor dissemated mt
	Magnetite-Skarn : mixed marble + mass mt + mt-skarn
	Marble :
	Magnetite-Skarn : half mt half marble
	Marble : w/ minor disseminated mt
	Plagioclase porphyry : moderately shattered core
	Marble :
	Plagioclase porphyry : moderately shattered core
	Mafic Dike : fine-grained
	Plagioclase porphyry : moderately shattered core

Sample	Fe (0 - 75 %)	MAG %	Cu ppm	% S
G0792605	13.8		513.0	1.0
G0792606	59.0		1980.0	4.2
G0792607	19.1		1010.0	1.1
G0792608	5.3		169.0	0.5
G0792609	51.4		461.0	0.9
G0792610	53.3		502.0	1.3
G0792611	6.6		15.7	0.0
G0792612	59.2		148.5	0.2
G0792613	57.5		90.1	0.1
G0792614	58.1		359.0	0.4
G0792615	11.2		50.3	0.1
G0792616	59.6		550.0	0.8
G0792617	35.7		430.0	3.3
G0792618	10.3		487.0	3.9

Depth m: 210, 220, 230, 240, 250, 260, 270, 280, 290, 300

Geotech: RQD, Rec

Sulphide (0 - 20 %)

py	cpy	po
3	0.6	0
3	0.4	0
4	0.3	0
4	0	0

Alteration: SKRN, PROP, EPI, CHL, SILI

Point Notes

Lithology

contacts	Unit / Description
	Marble :
75	Mafic Dike : fine-grained; plag-phyric
	Marble :
	Mafic Dike : fine-grained; shattered core
	Marble :
55	Mafic Dike : fine-grained; minor mt in fractures
	Massive Magnetite :
	Garnet-Pyroxene-Skarn : mostly garnetite; w/ minor mt in fractures
	Marble :
	Plagioclase porphyry :
60	Marble : minor mt in fractures; mafic dike clasts present
	Massive Magnetite : minor marble from 222.93-223.0m
	Mafic Dike : fine-grained; plag-phyric; almost porphyritic in some areas
	Massive Magnetite :
	Mafic Dike : microgabbro?
	Massive Magnetite :
	Magnetite-Skarn : mt + pyroxene-skarn
	Skarn : mostly epidote; minor scapolite, pyroxene; minor mt in fractures; moderately shattered
	Marble :
	Plagioclase porphyry :
	Marble :
60	Mafic Dike : fine-grained; moderately shattered core
	Marble :
75	Mafic Dike : fine-grained; moderately shattered core
55	Marble :
	Mafic Dike : fine-grained; hbl-phyric
80	Marble :
75	Mafic Dike : fine-grained;plag-phyric
	Marble :
75	Mafic Dike : fine-grained; moderately shattered core
	Marble :
	Mafic Dike : fine-grained
80	Marble :
75	Mafic Dike : fine-grained
	Marble :
65	Skarn :
	Marble :
45	Plagioclase porphyry : smaller (~1mm) sub-equant plag phenos; moderately shattered core
70	Marble :
	Porphyritic gabbro : sub-equant to sub-rounded plag phenos

Depth m	Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S	Geotech RQD	Rec	Sulphide 0 - 20 % py : cpy : po	Alteration SKRN	PROP	EPI	CHL	SILI	Point Notes	contacts	Lithology Unit	Description
																	Marble :
															50		Porphyritic gabbro : sub-equant plag penos
310															22		Marble :
																	Mafic Dike : fine-grained; moderately shattered core
																	Marble :
320																	
																	Garnet-Pyroxene-Skarn : mostly garnetite; some epidote present
																	Mafic Dike : fine-grained; moderately shattered core
	G0792619	4.8		127.5	0.5			1.5 : 0 : 0									Skarn : mostly darker green pyroxene; some garnet, epidote present
	G0792620	19.9		648.0	1.2												
	G0792621	0.6		28.4	0.8										55 / 65		Massive Magnetite :
																	Marble :
	G0792622	16.7		1045.0	3.3			8 : 0 : 0							55		Mafic Dike : minor mt in fractures
	G0792623	1.1		35.1	0.9										40		Massive Magnetite :
330																	Marble :
															40		Mafic Dike : fine-grained; plag-phyric; moderately shattered core
															35		Marble :
340																	
	G0792624	5.7		148.5	1.2			6 : 0 : 0									Skarn : mostly pyroxene; some garnet present
																	Marble :
								2 : 0 : 0							65		Skarn : mostly pyroxene; some garnet, epidote, scapolite present
350															50		Marble : gypsum in some fractures

Legend

Scale: 1:100

Lithology Units
- Drill Casing / Overburden
- Dacite
- Ore Zone
- Skarn Zone
- Plagioclase Porphyry Sills/Dikes
- Felsic Intrusive
- Mafic Intrusive
- Mafic Volcanic
- Carbonate

Alteration

Types
- SKRN: Skarn; gt, pyx, +/-ep, +/-sulphide
- PROP: Propylitic; ep, clor, py, ser
- EPI: Epidotic; ep
- CLOR: Chloritic; clor, ser
- SILI: Silicifacation; qtz, silica polymorphs

Intensity
- 1 Local, Confined to viens
- 2 In and around viens
- 3 Patchy, Penetrated into rock,but some of rock remains unaltere
- 4 Pervasive, All of the rock is altered, but fabric remains
- 5 Ubiquitous, fabric is obliterated by alteration

PACIFIC IRON ORE CORPORATION

Project: Pearson	Northing: 5390828	Logged By: Alexis Eapen and Kyle Karlzen	
Drillhole: 11-14B	Easting: 388725	Collar Dip: -50	
Start Date: 26/05/2011	Elevation: 480 m	Azimuth: 360	
End Date: 29/05/2011	Projection: NAD 83 UTM 10N	Total Depth: 291.08	
		Core Size: NQ2	

Depth m | Assay Results (Sample, Fe 0 - 75 %, MAG %, Cu ppm, % S) | Geotech (RQD, Rec) | Sulphide (0 - 20 % py : cpy : po) | Alteration (SKRN, PROP, EPI, CLOR, SILI) | Point Notes (contacts) | Lithology (Unit, Description)

Contacts	Description
	Casing : made up of qtz-biot-diorite boulders
	qtz-biotite-diorite : coarse-grained; moderately shattered core
45	Mafic Dike : fine-grained; very shattered core
	qtz-biotite-diorite : coarse-grained; weakly shattered core
45	Porphyritic gabbro : sub-equant plag phenos
20	qtz-biotite-diorite : coarse-grained; minor mafic segregations present
	Mafic Dike : fine-grained; weakly-moderately magnetic
20	qtz-biotite-diorite : coarse-grained
60	Mafic Dike : fine-grained; weakly-moderately magnetic
	qtz-biotite-diorite : coarse-grained
	Plagioclase porphyry : equant plag phenos; glomerporphyritic
	Mafic Dike : couyld be a very altered qtz-biot-diorite
	qtz-biotite-diorite : coarse-grained
	Mafic Dike : fine-grained; moderately shattered core
	qtz-biotite-diorite : coarse-grained
	Mafic Dike : fine-grained; moderately shattered core
	qtz-biotite-diorite : coarse-grained
	Mafic Dike : fine-grained; moderately shattered core
	Massive Magnetite :
	Mafic Dike : fine-grained; minor mt in fractures
	Skarn : nearer to top contact: mostly actinolite and minor epidote, garnet; closer to bottom contact: mostly garnet, pyroxene; minor mt in fractures
	Mafic Dike : fine-grained; moderately shattered core
	Epidote-Skarn :
	Mafic Dike : fine-grained; plag-phyric
35	qtz-biotite-diorite : coarse-grained; w/ minor mafic segregations throughout
10	Mafic Dike : fine-grained; plag-phyric
15	qtz-biotite-diorite : coarse-grained
	Plagioclase porphyry : sub-equant plag phenos
	qtz-biotite-diorite : coarse-grained
	Plagioclase porphyry : minor qtz-biot-diorite fingers nearer to the top contact

Depth m	Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S	Sulphide py	Sulphide cpy	Sulphide po
	G0792544	24.8		851.0	2.5	3	0	2
	G0792545	5.7		77.0	0.2			
	G0792546	12.3		243.0	0.9	1	0	0
	G0792547	64.9		619.0	2.6	3	0.3	3
	G0792548	64.3		385.0	1.7	1.5	0.5	3.5
	G0792550	63.3		365.0	1.6	0.8	0.4	2
	G0792551	63.2		443.0	1.0	1	0	2.5
	G0792552	11.0		68.6	0.5			
	G0792553	4.8		61.2	0.2			
	G0792554	0.6		3.1	0.1			
	G0792555	65.6		700.0	2.5	1	0	2
	G0792556	4.1		12.3	0.1			
	G0792557	0.3		2.3	0.3			

Depth marks: 110, 120, 130, 140, 150, 160, 170, 180, 190, 200

Geotech: RQD, Rec

Alteration: SKRN, PROP, EPI, CHL, SILI

Point Notes: 7cm mass mt

contacts	Lithology: Unit / Description
	Massive Magnetite :
	Magnetite-Skarn :
40	Mafic Dike : fine-grained
	Plagioclase porphyry : sub-equant plag phenos
70	Mafic Dike : fine-grained; mass mt from 145.07 to 145.14m.
55	Massive Magnetite :
	Skarn : mostly epidote, some scapolite
	Mafic Dike : fine-grained
	Plagioclase porphyry :
35	Marble :
70	Mafic Dike : fine-grained; very shattered core
	Marble :
50	Skarn : mostly epidote, pyroxene
65	Marble :
60	Massive Magnetite :
	Marble :
70	Hornblende-Pyroxene-Feldspar-Gabbro : coarse-grained
35	Marble :
80	Mafic Dike : fine-grained; shattered core
80	Marble :
	Plagioclase porphyry :
	Marble :
	Mafic Dike : fine-grained; very shattered core
	Marble :
65	Plagioclase porphyry :
55	Marble :
80	Plagioclase porphyry : equant plag phenos; glomeroporphyritic
	Marble :
	Skarn : mostly epidote, scapolite
	Marble :

Legend

Lithology Units
- Drill Casing / Overburden
- Dacite
- Ore Zone
- Skarn Zone
- Plagioclase Porphyry Sills/Dikes
- Felsic Intrusive
- Mafic Intrusive
- Mafic Volcanic
- Carbonate

Alteration

Types
- SKRN: Skarn; gt, pyx, +/-ep, +/-sulphide
- PROP: Propylitic; ep, clor, py, ser
- EPI: Epidotic; ep
- CLOR: Chloritic; clor, ser
- SILI: Silicifacation; qtz, silica polymorphs

Intensity
- 1 Local, Confined to viens
- 2 In and around viens
- 3 Patchy, Penetrated into rock,but some of rock remains unaltered
- 4 Pervasive, All of the rock is altered, but fabric remains
- 5 Ubiquitous, fabric is obliterated by alteration

Scale: 1:100

PACIFIC IRON ORE CORPORATION

Project: Pearson	Northing: 5390828	Logged By: Alexis Eapen and Kyle Karlzen	
Drillhole: 11-13B	Easting: 388725	Collar Dip: -60	
Start Date: 23/05/2011	Elevation: 480 m	Azimuth: 314	
End Date: 26/05/2011	Projection: NAD 83 UTM 10N	Total Depth: 356.62	
		Core Size: NQ2	

Assay Results

Depth (m)	Sample	Fe (0 - 75 %)	MAG %	Cu ppm	% S
~57	G0792510	2.0		1.6	0.0
~100	G0792511	6.9		5.4	0.1

Geotech: RQD, Rec — Sulphide: 0 - 20 % py : cpy : po — Alteration: SKRN, PROP, EPI, CLOR, SILI

Point Notes / Lithology

contacts	Unit	Description
		Casing : made of minor qtz-biot-diorite and mafic dike boulders
		qtz-biotite-diorite : coarse-grained; moderately shattered core
		Plagioclase porphyry : very shattered core; glomeroporphyritic; sub-equant plag phenos
		qtz-biotite-diorite : very altered; coarse-grained
		Mafic Dike : fine-grained; minor qtz-biot-diorite clasts
		qtz-biotite-diorite : coarse-grained
		Mafic Dike : fine-grained; very shattered core
		qtz-biotite-diorite : coarse-grained
30		Mafic Dike : fine-grained; moderately shattered core
		qtz-biotite-diorite : very altered
		Mafic Dike : fine-grained; moderately shattered core
		qtz-biotite-diorite : very altered
		Plagioclase porphyry : fine-grained; shattered core
		qtz-biotite-diorite : coarse-grained
		Plagioclase porphyry : moderately shattered core
		qtz-biotite-diorite : coarse-grained
		Mafic Dike : fine-grained; shattered core
		qtz-biotite-diorite : coarse-grained
		Mafic Dike : fine-grained
		qtz-biotite-diorite : very altered; could be very altered plag porph; little bit of remnant texture visible
35		Mafic Dike : fine-grained; could be dacite?; hbl- and plag-phyric
		qtz-biotite-diorite : very altered; could be very altered plag porph; little bit of remnant texture visible
		Mafic Dike : fine-grained; plag-phyric
		qtz-biotite-diorite : very altered; moderately shattered core
		Plagioclase porphyry : very shattered core
		qtz-biotite-diorite : coarse-grained; minor mafic dike clasts throughout
		Mafic Dike : fine-grained; very shattered core
		qtz-biotite-diorite : coarse-grained; minor mafic dike clasts throughout
		Mafic Dike : fine-grained; plag-phyric
		Garnet-Pyroxene-Skarn :
		Mafic Dike : fine-grained; microgabbro?
		Garnet-Pyroxene-Skarn : pyroxene>garnet; mostly pyroxene; some actinolite, minor epidote, scapolite

Depth (m) | Assay Results | Geotech | Sulphide | Alteration | Point Notes | Lithology

Columns: Sample | Fe 0 - 75 % | MAG % | Cu ppm | % S | RQD | Rec | Sulphide 0 - 20 % py : cpy : po | SKRN | PROP | EPI | CHL | SILI | contacts | Unit | Description

Depth markers: 110, 120, 130, 140, 150, 160, 170, 180, 190, 200

Assay Results

Sample	Fe (%)	MAG %	Cu ppm	% S
G0792512	4.8		9.5	0.1
G0792513	3.3		8.8	0.1
G0792514	1.4		6.7	0.2
G0792515	5.8		113.0	1.1
G0792516	29.4		130.5	0.3
G0792517	8.3		88.4	0.6
G0792518	4.3		6.4	0.1
G0792519	4.4		10.0	0.1
G0792520	6.9		7.4	0.0
G0792521	9.7		9.8	0.0
G0792522	43.6		12.6	0.0
G0792523	49.6		18.0	0.0
G0792524	22.1		19.9	0.0
G0792525	31.2		71.4	0.1
G0792526	36.4		61.9	0.0
G0792527	42.6		1070.0	0.5
G0792528	31.2		2340.0	0.4
G0792529	55.2		1270.0	0.2
G0792530	47.3		948.0	1.5
G0792531	12.8		209.0	0.7
G0792532	2.6		25.2	0.2
G0792533	1.7		39.5	0.4
G0792534	44.7		1440.0	9.9
G0792535	60.0		529.0	1.1
G0792536	59.9		459.0	1.2
G0792537	10.2		216.0	1.6
G0792538	43.9		1110.0	4.1
G0792539	0.4		11.6	0.1

Sulphide (py : cpy : po)

py	cpy	po
0.8	0	0
1	0	0
0.5	0.3	0
0.5	0.8	0
1	0.4	0
10	0.3	10
1	0.5	0.8
2	0	0
2	0.3	2

Lithology

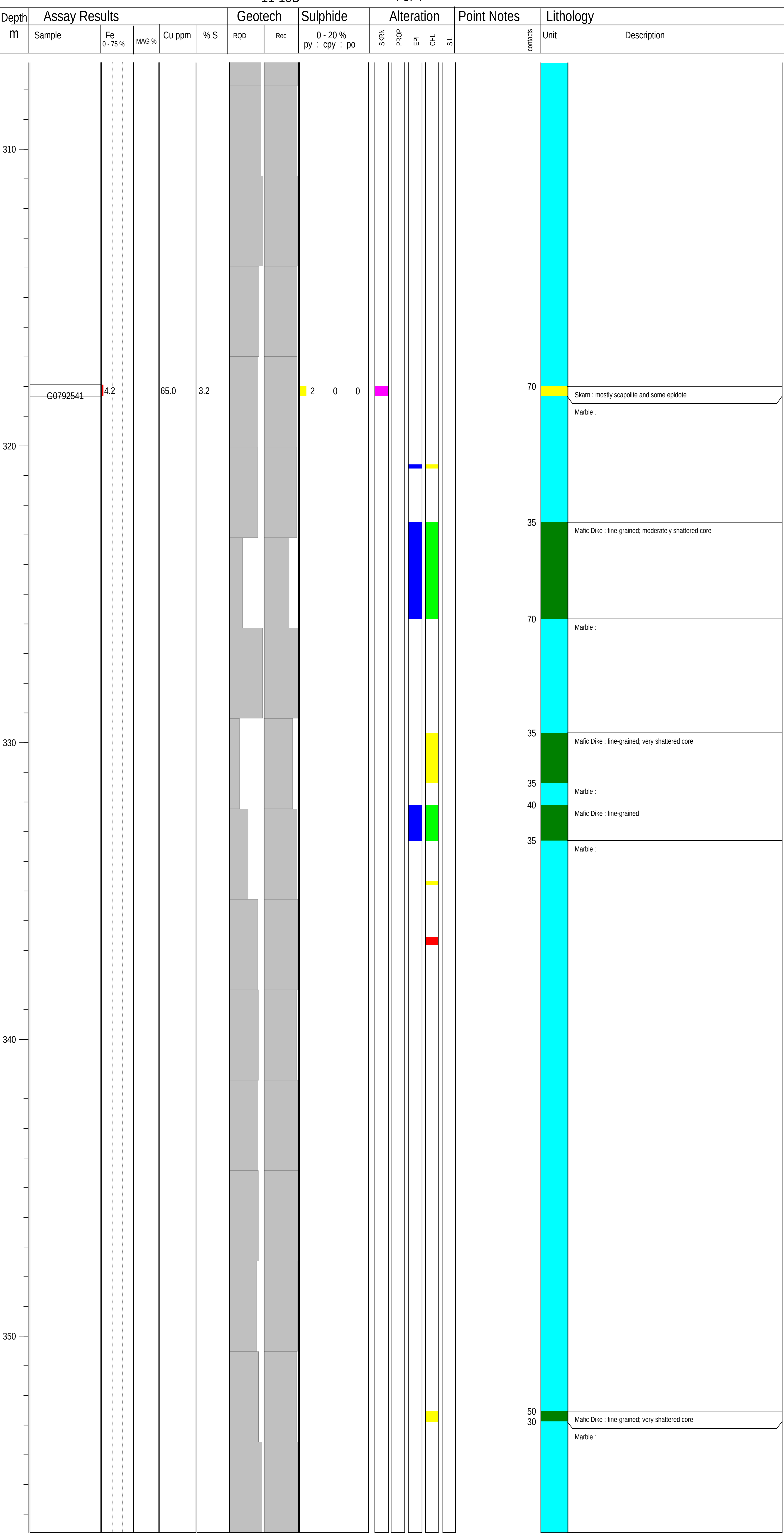
- qtz-biotite-diorite : coarse-grained; w/ minor mafic dike clasts throughout
- Mafic Dike : fine-grained
- Garnet-Pyroxene-Skarn : pyroxene>>garnet; mostly pyroxene, minor garnet, actinolite, epidote, scapolite
- Mafic Dike : fine-grained
- Garnet-Pyroxene-Skarn : pyroxene>>garnet; mostly pyroxene, minor garnet, epidote, scapolite
- Mafic Dike : fine-grained
- Garnet-Pyroxene-Skarn : pyroxene>>garnet; mostly pyroxene, minor garnet, scapolite, epidote
- Mafic Dike : fine-grained; plag-phyric in some areas
- qtz-biotite-diorite : coarse-grained; grades to diorite in some areas; mafic dike clasts present throughout
- Mafic Dike : fine-grained
- qtz-biotite-diorite : coarse-grained
- Mafic Dike : fine-grained; moderately shattered core
- qtz-biotite-diorite : coarse-grained
- 20 Mafic Dike : fine-grained
- qtz-biotite-diorite : coarse-grained
- Mafic Dike : fine-grained; very altered; could be an altered qtz-biot-diorite?
- qtz-biotite-diorite : very altered; remnant texture still visible
- Mafic Dike : fine-grained; moderately shattered core
- qtz-biotite-diorite : highly altered; brecciated
- Mafic Dike : fine-grained
- Magnetite-Skarn : mt + pyroxene-skarn
- Mafic Dike : fine-grained
- qtz-biotite-diorite : very altered
- Mafic Dike : fine-grained; mt in fractures from 174.30 to 174.75m
- Magnetite-Skarn : mt + pyroxene-skarn
- Massive Magnetite : minor pyroxene; trace sulphides
- Magnetite-Skarn :
- Massive Magnetite : trace sulphides
- Magnetite-Skarn :
- Mafic Dike : fine-grained
- Magnetite-Skarn :
- Massive Magnetite :
- Magnetite-Skarn :
- Mafic Dike : fine-grained; very shattered core
- Massive Magnetite :
- Magnetite-Skarn :
- Massive Magnetite : `
- Magnetite-Skarn :
- Massive Magnetite :
- Mafic Dike : fine-grained; minor mt in fractures
- qtz-biotite-diorite : highly altered; brecciated and healed
- 35 Mafic Dike : fine-grained
- Marble :
- Magnetite-Skarn :
- Massive Magnetite :
- Mafic Dike : fine-grained; plag-phyric
- Massive Magnetite :
- Magnetite-Skarn :
- Marble :
- 70 Mafic Dike : fine-grained

Depth m	Assay Results: Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S	Geotech: RQD	Rec	Sulphide 0 - 20 % py : cpy : po	Alteration: SKRN	PROP	EPI	CHL	SILI	Point Notes	Lithology: contacts	Unit	Description

Depth markers: 210, 220, 230, 240, 250, 260, 270, 280, 290, 300

Sulphide (py : cpy : po): 3 : 0 : 0 (about 287 m); 4 : 0 : 0 (about 304 m)

Contacts	Description
	Marble :
35	micro-gabbro : moderately shattered
	Marble :
35 60	Mafic Dike : fine-grained; brecciated and healed
	Marble :
35	Mafic Dike : fine-grained
	Marble :
35	Mafic Dike : fine-grained; plag-phyric; almost prophyritic in some areas; moderately shattered core
40	Marble :
	Mafic Dike : fine-grained; moderately shattered core
	Marble :
55	Mafic Dike : fine-grained; moderately shattered core
	Marble :
	Mafic Dike : fine-grained; very shattered core
	Marble : brecciated; shattered core; from 277.06-277.46m: mafic dike running parallel to marble; 288.15-290.40m: not fizzing, not quartz (5 - 6 hardness) some gypsum present in fractures
10	Mafic Dike : fine-grained; moderately shattered core
	Marble : 292.56-296.25m: doesn't fizz; possibly silicified, but seems softer than quartz(anhydrite?); after 296.25m goes in and out of not fizzing
25	Plagioclase porphyry :
	Marble : mostly doesn't fizz; quite hard; possibly silicified?
75	Skarn :
	Marble : some areas don't fizz (silicfied and/or gypsum or anhydrite?)



Legend

Scale: 1:100

Lithology Units

- Drill Casing / Overburden
- Dacite
- Ore Zone
- Skarn Zone
- Plagioclase Porphyry Sills/Dikes
- Felsic Intrusive
- Mafic Intrusive
- Mafic Volcanic
- Carbonate

Alteration

Types

- SKRN: Skarn; gt, pyx, +/-ep, +/-sulphide
- PROP: Propylitic; ep, clor, py, ser
- EPI: Epidotic; ep
- CLOR: Chloritic; clor, ser
- SILI: Silicifacation; qtz, silica polymorphs

Intensity

- 1 Local, Confined to viens
- 2 In and around viens
- 3 Patchy, Penetrated into rock,but some of rock remains unaltered
- 4 Pervasive, All of the rock is altered, but fabric remains
- 5 Ubiquitous, fabric is obliterated by alteration

Project:	Pearson	Northing:	5390828
Drillhole:	11-12B	Easting:	388725
Start Date:	17/05/2011	Elevation:	480 m
End Date:	23/05/2011	Projection:	NAD 83 UTM 10N

Logged By:	Alexis Eapen and Kyle Karlzen
Collar Dip:	-50
Azimuth:	295
Total Depth:	484.63
Core Size:	NQ2

Depth m | Assay Results: Sample, Fe 0 - 75 %, MAG %, Cu ppm, % S | Geotech: RQD, Rec | Sulphide: 0 - 20 % py : cpy : po | Alteration: SKRN, PROP, EPI, CLOR, SILI | Point Notes: contacts | Lithology: Unit, Description

Casing : made up of mafic dike and qtz-biot-diorite boulders

qtz-biotite-diorite : coarse-grained; moderately shattered core

Mafic Dike : fine-grained; very shattered core

Plagioclase porphyry : moderately shattered core

qtz-biotite-diorite : coarse-grained, shattered core

Mafic Dike : fine-grained; very shattered core

qtz-biotite-diorite : coarse-grained

Plagioclase porphyry :

Mafic Dike : fine-grained

Plagioclase porphyry :

qtz-biotite-diorite : coarse-grained

Plagioclase porphyry :

qtz-biotite-diorite : very altered

Mafic Dike : fine-grained; moderately shattered core

Plagioclase porphyry :

qtz-biotite-diorite : coarse-grained; very altered

Mafic Dike : fine-grained; plag-phyric

qtz-biotite-diorite : coarse-grained; very altered

Mafic Dike : fine-grained

qtz-biotite-diorite : coarse-grained

Mafic Dike : fine-grained

qtz-biotite-diorite : coarse-grained

Mafic Dike : dacite? Fine-grained

qtz-biotite-diorite : coarse-grained

Mafic Dike : fine-grained; plag-phyric; very shattered core

qtz-biotite-diorite : coarse-grained

Garnet-Pyroxene-Skarn : mostly garnet; some epidote

qtz-biotite-diorite : coarse-grained

Mafic Dike : fine-grained

qtz-biotite-diorite : coarse-grained


Depth
m
Assay Results
Sample
Fe
0 - 75 %
MAG %
Cu ppm
% S
Geotech
RQD
Rec
Sulphide
0 - 20 %
py : cpy : po
Alteration
SKRN
PROP
EPI
CHL
SILI
Point Notes
contacts
Lithology
Unit
Description
110
120
130
140
150
160
170
180
190
200
G0792435
9.4
387.0
0.7
1.5
0
0
foliation @ 40
mt in fracture
30
25
80
70
35
35
Hbl Dacite : fine-grained
qtz-biotite-diorite : coarse-grained; minor mafic dike clasts present
Mafic Dike : fine-grained; plag-phyric; very shattered core
qtz-biotite-diorite : coarse-grained
micro-gabbro : fine-grained; speckled look
Garnet-Pyroxene-Skarn : garnetite
micro-gabbro : fine-grained; speckled look
qtz-biotite-diorite : coarse-grained
Mafic Dike : fine-grained; moderately magnetic
qtz-biotite-diorite : coarse-grained
Mafic Dike : fine-grained
qtz-biotite-diorite : coarse-grained
Mafic Dike : fine-grained; plag-phyric
qtz-biotite-diorite : coarse-grained; w/ some mafic dike clasts throughout
Mafic Dike : fine-grained; foliated
Garnet-Pyroxene-Skarn :
Magnetite-Skarn : mafic dike protolith; ~30% mt
Mafic Dike : fine-grained
qtz-biotite-diorite : very altered
Skarn : lots of actinolite, minor garnet, epidote; mt in fracture at 176.35m
Mafic Dike : fine-grained
Skarn :
Mafic Dike : fine-grained
Skarn : mostly actinolite
qtz-biotite-diorite : coarse-grained; minor mafic dike fingers
Mafic Dike : fine-grained; plag-phyric
Skarn : mostly actinolite, some epidote, garnet
Mafic Dike : fine-grained; plag-phyric
Skarn :
Mafic Dike : fine-grained
qtz-biotite-diorite : coarse-grained; w/ minor mafic dike clasts/irregular fingers
Mafic Dike : fine-grained
qtz-biotite-diorite : coarse-grained; w/ mafic dike clasts throughout
Mafic Dike : fine-grained
qtz-biotite-diorite : coarse-grained; some areas have been completely shattered and subsequently compacted/healed together
qtz-biotite-diorite : very altered

Depth m	Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S
210					
220					
	G0792436	4.7		5.6	0.0
	G0792437	13.9		10.0	0.1
	G0792438	6.6		36.6	0.1
	G0792439	4.1		25.3	0.1
230	G0792440	3.2		3.5	0.0
	G0792441	6.5		2.6	0.0
	G0792442	21.3		98.4	0.3
	G0792443	21.5		113.0	0.2
	G0792444	12.5		947.0	2.7
	G0792445	13.1		191.5	0.8
240	G0792446	19.4		483.0	2.0
	G0792448	10.5		51.6	0.2
	G0792449	5.9		48.6	0.1
	G0792450	36.7		526.0	0.9
	G0792451	10.7		300.0	1.4
	G0792452	25.5		1175.0	5.6
	G0792453	47.3		422.0	2.0
250	G0792454	57.2		352.0	1.8
	G0792455	33.8		1335.0	6.3
	G0792456	55.5		698.0	2.7
	G0792457	59.3		368.0	1.7
	G0792458	58.3		360.0	3.5
	G0792459	53.6		416.0	3.1
	G0792460	34.6		340.0	1.6
260	G0792461	50.7		564.0	3.7
	G0792462	55.1		368.0	1.9
	G0792463	44.4		655.0	2.6
	G0792464	38.6		301.0	1.5
	G0792465	49.1		909.0	2.0
	G0792467	4.3		39.4	0.9
	G0792468	12.7		152.5	1.8
	G0792469	11.4		182.0	1.6
270	G0792470	60.4		424.0	1.3
	G0792471	48.4		530.0	4.2
	G0792472	2.4		35.4	0.7
	G0792473	5.5		61.6	0.9
	G0792474	43.4		493.0	1.9
	G0792475	5.7		229.0	1.8
	G0792476	6.6		68.7	0.1
280					
	G0792477	0.6		7.4	1.1
	G0792478	13.5		407.0	2.3
	G0792479	0.3		5.6	0.3
	G0792480	14.7		197.5	1.3
290	G0792481	44.8		443.0	2.3
	G0792482	9.4		28.6	0.0
	G0792483	42.1		428.0	3.3
	G0792484	1.2		24.3	0.7
	G0792485	47.7		457.0	2.2
	G0792487	8.3		27.4	0.1
	G0792488	54.5		575.0	2.7
	G0792489	16.2		366.0	1.8
	G0792490	39.7		547.0	2.4
	G0792491	53.1		512.0	3.0
	G0792492	3.0		43.3	1.1
300	G0792493	1.2		22.4	0.7

Geotech: RQD | Rec

Sulphide 0 - 20 %

py	cpy	po
1.5	0	0
2	0	0
1.5	0	0
1.5	0	0
2	0	0
3	0	3
3	0	10
2	0	3
1.5	0	3.5
1.5	0.5	1
1.5	0.4	2.5
2	0.3	1
2	0	0
3	0	0
3	0	0
4	0	3
2	0	4
1.5	0	4
1.5	0.4	2
2	0	4
1	0	0
1	0	0
1.5	0	0
2	0	0
2.5	0	0
4	0	0
1	0	0
0.8	0	1
1	0.3	1
0.5	0	0.8
0.8	0	4
0	0	3.5
0	0.3	0.5
2	0	2

Alteration: SKRN | PROP | EPI | CHL | SILI

Point Notes: contacts

40

Lithology

Unit	Description
	Plagioclase porphyry :
	qtz-biotite-diorite : can still see remnants of texture
	Mafic Dike : possibly very altered qtz-biot-diorite?
	Magnetite-Skarn : mt + pyroxene-skarn
	Mafic Dike : very altered
	Magnetite-Skarn : mt + pyroxene-skarn
	Mafic Dike : fine-grained; w/ minor mt in fractures
	Magnetite-Skarn : mt + pyroxene-skarn
	Mafic Dike : fine-grained; w/ minor mt in fractures
	Magnetite-Skarn : mt + pyrxoene-skarn
	Mafic Dike : fine-grained
	Magnetite-Skarn : mt + pyroxene-skarn
	Mafic Dike : fine-grained
	Magnetite-Skarn : mt + garnet-pyroxene-skarn
	Mafic Dike : fine-grained; plag-phyric; w/ minor mt in fractures
	Magnetite-Skarn : mt + pyroxene-skarn
	Mafic Dike : fine-grained
	Magnetite-Skarn : mt + pyroxene-skarn
	Massive Magnetite : ~15-20% pyroxene
	Magnetite-Skarn : mt + pyroxene-skarn
	Massive Magnetite :
	Magnetite-Skarn : ~20-25%mt; disseminated mt in marble
	Massive Magnetite :
	Magnetite-Skarn : disseminated mt in marble; minor 8cm mass mt bleb at 259.25m.
	Massive Magnetite :
	Magnetite-Skarn : stringer/disseminated mt in marble
	Massive Magnetite :
	Mafic Dike : fine-grained; very shattered core
	Marble : minort mt bleb at 266.38-266.41m.
	Magnetite-Skarn : disseminated mt + mass mt blebs in marble
	Marble : disseminated mt at bottom contact
	Massive Magnetite : minor marble present
	Magnetite-Skarn : disseminated mt in marble
	Massive Magnetite : minor marble present
	Magnetite-Skarn : disseminated mt in marble; minor mass mt blebs present
	Marble :
	Magnetite-Skarn : some mass mt blebs + disseminated mt in marble
	Marble : minor mt bleb at 276.40-276.55m.
	Magnetite-Skarn : mt + pyroxene skarn
	Plagioclase porphyry : very shattered core
	Mafic Dike : fine-grained; plag-phyric
	Marble :
	Mafic Dike : fine-grained; very shattered core
	Marble :
	Magnetite-Skarn : disseminated/stringer mt in marble
	Marble : minor mt bleb at 287.95-288.03m.
	Magnetite-Skarn : disseminated mt in marble
	Massive Magnetite : ~60%mt; marble present
	Mafic Dike : fine-grained; moderately shattered core
	Massive Magnetite :
	Magnetite-Skarn : disseminated mt in marble
	Marble : minor mt in fractures
	Massive Magnetite : minor marble present; ~65% mt
	Marble :
	Mafic Dike : fine-grained; very shattered core
	Massive Magnetite : minor marble present; ~70%mt
	Marble : minor mt in fractures
	Magnetite-Skarn : mt + marble
	Massive Magnetite : minor marble present; ~65%mt
	Marble : minor mt in fractures
	Plagioclase porphyry : minor mt in fractures and at bottom contact

Sample	Fe (0 - 75 %)	MAG %	Cu ppm	% S	Sulphide (0 - 20 %) py : cpy : po
G0792495	5.4		14.6	2.1	2 0 0
G0792494	4.6		1250.0	9.2	0 0 95
G0792496	6.0		31.9	3.4	2 0 0
G0792497	5.2		12.7	3.4	
G0792499	5.8		18.4	3.6	2 0 0
G0792500	5.5		37.4	3.6	
G0792498	4.7		23.9	2.9	3 0 0

Depth (m): 310, 320, 330, 340, 350, 360, 370, 380, 390, 400, 410

Column headings: Depth m | Assay Results: Sample, Fe 0 - 75 %, MAG %, Cu ppm, % S | Geotech: RQD, Rec | Sulphide 0 - 20 % py : cpy : po | Alteration: SKRN, PROP, EPI, CHL, SILI | Point Notes | contacts | Lithology: Unit, Description

Point Notes	contacts	Description
		Marble : organic matter bands;
	55	Mafic Dike : moderately shattered; garnet, pyroxene present
7cm marble clast	90	Marble :
		Mafic Dike : highly skarned w/ minor marble clasts
		Marble : some organic matter bands present
	35	Massive Sulphide : massive pyrrhotite; w/ minor mt blebs
	40	Mafic Dike : fine-grained, highly skarned
		Marble :
	8	Mafic Dike : fine-grained; moderately shattered core
	8	Marble : some organic matter bands present
		Mafic Dike :
	50	Marble : some organic matter bands present; some gypsum in fractures
2cm gypsum lens	55	Mafic Dike : fine-grained
	45	Marble : minor gypsum in fractures; organic matter in fractures and blebs
	40	Mafic Dike : brecciated
		Marble : minor gypsum in fractures; slightly vuggy
	30	Mafic Dike : brecciated; shattered near contacts
	70	Marble :
	70	Mafic Dike : brecciated; moderately shattered core
	30	Marble :
	5	Skarn : minor shearing; brecciated; moderately shattered core; minor marble fingers
	6	Marble : very minor organic matter bands; minor gypsum in fractures
	47	Mafic Dike : brecciated
	45	Marble : 'cleaner' marble
		Mafic Dike : fine-grained
		Marble :
		Skarn :
		Marble : minor organic matter bands

Depth m	Assay Results					Geotech		Sulphide	Alteration	Point Notes	Lithology	
	Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S	RQD	Rec	0 - 20 % py : cpy : po	SKRN PROP EPI CHL SILI	contacts	Unit	Description

Depth markers: 410, 420, 430, 440, 450, 460, 470, 480

Assay Results

Sample	Fe	MAG %	Cu ppm	% S
G0792501	5.7		28.4	1.0
G0792502	5.5		22.4	4.0
G0792503	5.2		33.7	3.5
G0792504	5.3		53.2	3.4
G0792505	5.9		51.8	0.6
G0792506	5.8		46.0	3.8
G0792507	6.0		99.1	0.4
G0792508	5.0		82.2	0.9
G0792509	5.9		29.3	0.3

Sulphide (py : cpy : po)

py	cpy	po
2	0	0
2	0	0
3	0	0

Lithology

contacts	Description
30	Mafic Dike : fine-grained
	Marble : organic matter bands throughout
55	Skarn : w/ minor marble
	Mafic Dike : shattered core
45	Marble :
40	Mafic Dike : shattered core
	Skarn : moderately shattered core;
37	Marble :
65	Marble : w/ minor organic matter bands
	Skarn : some gouge; brecciated; compacted, partially healed; fault breccia
70	Marble : vuggy
8	Mafic Dike : moderately shattered core; minor brecciation present
	Marble : lots of organic matter; lots of vugs
	Mafic Dike : shattered core
	Marble : lots of organic matter; lots of vugs
22	Mafic Dike : shattered core
	Marble : lots of organic matter; lots of vugs
53	Mafic Dike : minor marble clasts; some gougey areas
60	Marble : minor organic matter
	Mafic Dike : shattered core
35	Marble : minor organic matter bands
25	Mafic Dike : shattered core
35	Marble : lots of vugs; minor organic matter

Legend

Lithology Units
- Drill Casing / Overburden
- Dacite
- Ore Zone
- Skarn Zone
- Plagioclase Porphyry Sills/Dikes
- Felsic Intrusive
- Mafic Intrusive
- Mafic Volcanic
- Carbonate

Alteration

Types
- SKRN: Skarn; gt, pyx, +/-ep, +/-sulphide
- PROP: Propylitic; ep, clor, py, ser
- EPI: Epidotic; ep
- CLOR: Chloritic; clor, ser
- SILI: Silicifacation; qtz, silica polymorphs

Intensity
- 1 Local, Confined to viens
- 2 In and around viens
- 3 Patchy, Penetrated into rock,but some of rock remains unaltered
- 4 Pervasive, All of the rock is altered, but fabric remains
- 5 Ubiquitous, fabric is obliterated by alteration

Scale: 1:100

PACIFIC IRON ORE CORPORATION

Project:	Pearson	Northing:	5390828	Logged By:	Alexis Eapen and Kyle Karlzen
Drillhole:	11-11B	Easting:	388725	Collar Dip:	-65
Start Date:	14/05/2011	Elevation:	480 m	Azimuth:	295
End Date:	17/05/2011	Projection:	NAD 83 UTM 10N	Total Depth:	361.49
				Core Size:	NQ2

Depth (m) | Assay Results | Geotech | Sulphide | Alteration | Point Notes | Lithology

Assay Results

Sample	Fe (0 - 75 %)	MAG %	Cu ppm	% S
G0791986	4.6		39.6	0.3
G0791987	3.4		0.2	0.0

Geotech: RQD, Rec

Sulphide: 0 - 20 % py : cpy : po

Alteration: SKRN, PROP, EPI, CLOR, SILI

Point Notes: contacts

Lithology

Unit	Description
	Casing : made up mostly of mafic dike boulders, rare qtz-biot-diorite boulders
	qtz-biotite-diorite : coarse-grained; shattered core
	Plagioclase porphyry : sub-equant plag phenos; very shattered core
	Mafic Dike : fine-grained; very shattered core
	Plagioclase porphyry : very shattered core; sub-equant plag phenos
	qtz-biotite-diorite : coarse-grained; w/ minor mafic dike clasts; shattered core
	dacite : hornblende-feldspar-dacite; weakly magnetic
	qtz-biotite-diorite : corase-grained; moderately shattered core
	Basalt : fault zone; probably completely shattered then partially healed; completely chloritzed
	qtz-biotite-diorite : very altered; hard to tell lithology; completely brecciated; partially healed; fault zone
	Basalt : very altered; lots of movement; looks sheared
	qtz-biotite-diorite : very altered; hard to tell what the protolith is; moderately shattered core

Depth scale: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Depth m	Assay Results					Geotech		Sulphide			Alteration					Point Notes	Lithology	
	Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S	RQD	Rec	0 - 20 % py	cpy	po	SKRN	PROP	EPI	CHL	SILI	contacts	Unit	Description

Depth scale: 110, 120, 130, 140, 150, 160, 170, 180, 190, 200

Assay Results

Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S
G0791988	1.1		0.3	0.0
G0791989	3.4		83.2	0.3
G0791990	45.4		293.0	2.2
G0791992	61.7		390.0	2.6
G0791993	62.9		1670.0	5.1
G0791994	59.0		617.0	3.4
G0791995	61.5		663.0	2.9
G0791996	62.5		497.0	1.9
G0791997	54.3		352.0	1.8
G0791998	64.2		403.0	1.7
G0791999	60.6		521.0	2.2
G0792000	57.5		628.0	2.5
G0792401	5.3		143.0	0.1
G0792402	8.2		44.0	0.4

Sulphide (0 - 20 %)

py	cpy	po
2	0	0
3	0	1
4	0	0
3	0	1
1.5	0	4
2	0.5	10
2	0.5	4
1	0	4
1.5	0	4
0.5	0	2
0.5	0	3
2	4	0
1	0	5

Lithology

contacts	Description
45	Mafic Dike : fine-grained
	qtz-biotite-diorite : coarse-grained
	Mafic Dike : fine-grained; plag-phyric
	Massive Magnetite : very shattered core
	Skarn :
	Massive Magnetite :
	qtz-biotite-diorite : medium- to coarse-grained; finer grained near top contact
	Skarn :
	Magnetite-Skarn : mt + pyroxene skarn
	Massive Magnetite :
	Magnetite-Skarn :
	Massive Magnetite :
	Skarn : mostly light green pyroxene; mt blebs at bottom contact with marble
	Marble :

Depth m	Assay Results: Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S
	G0792403	2.5		45.4	1.0
	G0792404	25.8		313.0	1.5
	G0792405	47.2		665.0	3.0
	G0792406	48.8		451.0	2.0
260	G0792407	60.4		426.0	2.3
	G0792408	61.1		452.0	2.0
	G0792409	53.9		520.0	2.5
	G0792410	61.8		662.0	2.9
	G0792411	64.5		519.0	2.3
	G0792412	14.8		97.6	0.1
	G0792413	3.8		37.4	0.4
	G0792414	7.8		657.0	3.2
270	G0792415	56.0		722.0	3.2
	G0792416	2.8		87.0	1.0
	G0792417	24.7		251.0	1.7
	G0792418	17.7		983.0	6.8
	G0792419	58.7		984.0	2.7
	G0792420	60.6		593.0	2.4
	G0792421	1.2		19.9	0.5
	G0792422	13.9		214.0	1.8
290	G0792423	11.4		156.0	1.2
	G0792424	55.0		723.0	3.5
	G0792426	55.8		919.0	6.0
	G0792427	15.0		551.0	2.5
	G0792428	60.1		476.0	2.2
300	G0792429	55.1		891.0	1.4
	G0792430	56.8		2440.0	5.1
	G0792431	32.0		4830.0	9.6
	G0792432	15.1		483.0	0.9

Depth scale (m): 210, 220, 230, 240, 250, 260, 270, 280, 290, 300

Geotech: RQD | Rec

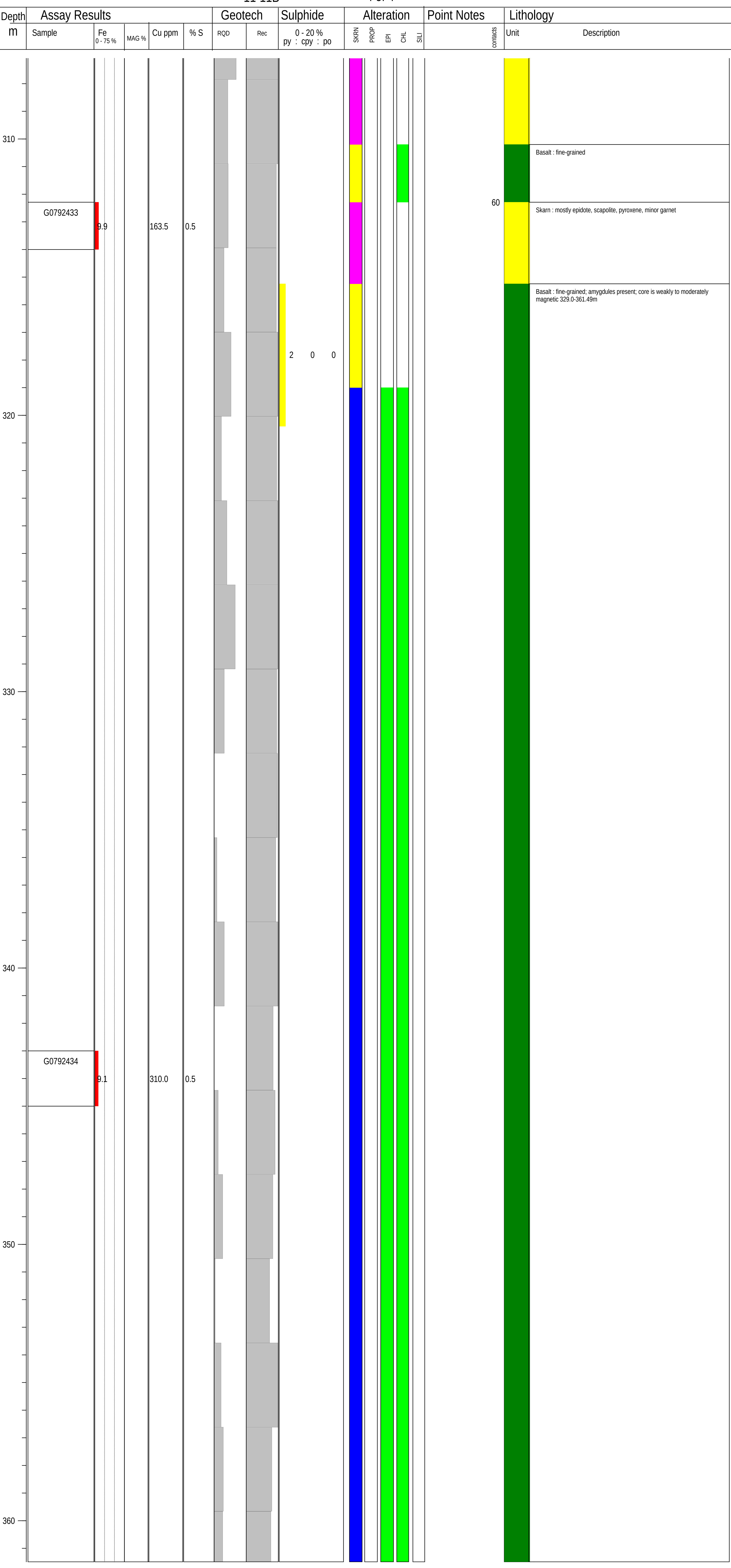
Alteration: SKRN | PROP | EPI | CHL | SILI

Sulphide 0 - 20 %

py	cpy	po
2	0	0
1.5	0	0
2	0	4
0.8	0.5	3
2.5	0	4
1	0.5	7
2	0	2
2	0.5	6
0.8	0.3	5
4	0	0
3	0.3	3
0.8	0.8	2
2	0.3	1.5
8	0	0
2	0.4	2
4	0	4
0.5	0	0
1.5	0.2	0.5
1	0.8	2
4	1	1

Lithology

Point Notes	contacts	Unit / Description
		Mafic Dike : fine-grained; brecciated, healed; minor marble clasts present
	20	Marble :
		Mafic Dike : fine-grained; mt in fractures and near both contacts
		Marble :
	45	Plagioclase porphyry :
	70	Marble :
	60	Garnet-Pyroxene-Skarn : quite silicified
	35	Mafic Dike : fine-grained
	45	Marble :
		Plagioclase porphyry :
	30	Marble :
	65	Plagioclase porphyry :
		Marble :
	50	Skarn : mostly garnet, scapolite, epidote; minor marble clasts present
	70	Marble :
		Magnetite-Skarn : disseminated/stringer mt + pyroxene skarn
	35	Marble :
		Magnetite-Skarn : disseminated mt + pyroxene skarn
		Massive Magnetite :
		Mafic Dike : fine-grained; shattered core
		Massive Magnetite :
		Mafic Dike : fine-grained; shattered core
		Massive Magnetite :
		Mafic Dike : brittle fault; very shattered core, compressed together; partial heal
	15	Marble :
		Mafic Dike : brecciated
		Massive Magnetite :
	35	Marble :
	65	Magnetite-Skarn : ~25% disseminated mt in marble
		Massive Magnetite :
		Mafic Dike : fine-grained; some gougey areas; mostly shattered core
		Massive Magnetite :
		Marble :
	40	Skarn : core shatteres apart easily
	26	Marble :
		Massive Magnetite :
2cm mt vein @ 35	35	Marble :
		Basalt : shear zone: completely sheared; w/ augened marble clasts throughout
	20	Massive Magnetite :
		Skarn : mostly lighter green pyroxene
		Mafic Dike : or basalt? fine-grained
		Massive Magnetite :
		Magnetite-Skarn : mt + pyroxene-skarn
		Garnet-Pyroxene-Skarn : garnet>pyroxene



Legend

Lithology Units
- Drill Casing / Overburden
- Dacite
- Ore Zone
- Skarn Zone
- Plagioclase Porphyry Sills/Dikes
- Felsic Intrusive
- Mafic Intrusive
- Mafic Volcanic
- Carbonate

Alteration

Types
- SKRN: Skarn; gt, pyx, +/-ep, +/-sulphide
- PROP: Propylitic; ep, clor, py, ser
- EPI: Epidotic; ep
- CLOR: Chloritic; clor, ser
- SILI: Silicifacation; qtz, silica polymorphs

Intensity
- 1 Local, Confined to viens
- 2 In and around viens
- 3 Patchy, Penetrated into rock,but some of rock remains unaltered
- 4 Pervasive, All of the rock is altered, but fabric remains
- 5 Ubiquitous, fabric is obliterated by alteration

Scale: 1:100

PACIFIC IRON ORE CORPORATION

Project: Pearson	Northing:5390828	Logged By: Alexis Eapen and Kyle Karlzen	
Drillhole: 11-10B	Easting:388725	Collar Dip: -70	
Start Date: 12/05/2011	Elevation:480 m	Azimuth: 250	
End Date: 14/05/2011	Projection: NAD 83 UTM 10N	Total Depth: 283.46	
		Core Size: NQ2	

Depth m | Assay Results: Sample, Fe 0 - 75 %, MAG %, Cu ppm, % S | Geotech: RQD, Rec | Sulphide: 0 - 20 % py : cpy : po | Alteration: SKRN, PROP, EPI, CLOR, SILI | Point Notes: contacts | Lithology: Unit, Description

Lithology

Description
Casing : very little casing, few qtz-biot-diorite boulders
qtz-biotite-diorite : coarse-graned
Mafic Dike : fine-grained; shattered core
qtz-biotite-diorite : coarse-grained; w/ minor mafic dike clasts; moderately shattered core
Plagioclase porphyry : moderately shattered core
qtz-biotite-diorite : corase-grained; minor mafic dike clasts present
dacite : hornblende-feldspar-dacite? Fine-grained; lighter grey colour than usual
qtz-biotite-diorite : coarse-grained;Minor mafic dike clasts present
Plagioclase porphyry : possibly plag phyric dacite?
qtz-biotite-diorite : coarse-grained
Mafic Dike : fine-grained; plag-phyric
qtz-biotite-diorite : coarse-grained
Mafic Dike : fine-grained; moderately shattered core
qtz-biotite-diorite : highly altered
Mafic Dike : fine-grained
qtz-biotite-diorite : coarse-grained
Mafic Dike : fine-grained
qtz-biotite-diorite : coarse-grained
Mafic Dike : fine-grained
qtz-biotite-diorite : coarse-grained
Mafic Dike : fine-grained
qtz-biotite-diorite : coarse-grained
Skarn : qtz-biot-diorite protolith; gt>px

40

Depth m	Assay Results					Geotech		Sulphide	Alteration					Point Notes	Lithology		
	Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S	RQD	Rec	0 - 20 % py : cpy : po	SKRN	PROP	EPI	CHL	SILI		contacts	Unit	Description

Depth scale: 110, 120, 130, 140, 150, 160, 170, 180, 190, 200

Assay Results

Sample	Fe	Cu ppm	% S	py	cpy	po
G0791969	8.7	8.3	0.2			
G0791970	9.1	280.0	0.5			
G0791971	5.9	20.8	0.1			
G0791972	31.1	145.5	1.0	1	0	0
				2	0	0
G0791973	7.8	14.5	0.0			
G0791974	23.4	346.0	1.9	5	0	0
G0791975	5.8	45.8	0.1			
G0791976	8.1	8.2	0.1			
G0791977	56.0	625.0	3.4	3.5	0.5	1
G0791978	53.9	113.0	0.7	1	0	0
G0791979	61.0	447.0	1.6	2.5	0	0
G0791981	8.8	30.6	0.1			
G0791982	61.8	330.0	1.3	3	0	0.5
G0791983	11.2	91.7	0.3			

Lithology

contacts	Description
	Mafic Dike : fine-grained
	Skarn : qtz-biot-diorite protolith
	Mafic Dike : fine-grained; plag-phyric
	Skarn : gt>pyx; qtz-biot-diorite protolith; w/ minor mafic dike clasts/irregular fingers
	Mafic Dike : fine-grained
	qtz-biotite-diorite : quite altered
	Mafic Dike : fine-grained
	qtz-biotite-diorite : coarse-grained
	Mafic Dike : fine-grained; brecciated, annealed
	qtz-biotite-diorite :
	Skarn : qtz-biot-diorite protolith
	Mafic Dike : fine-grained
	qtz-biotite-diorite : coarse-grained
	Skarn : qtz-bio-diorite protolith; mostly epidote, garnet
	qtz-biotite-diorite : coarse-grained
	Skarn : mostly pyroxene, garnet, epidote; gt>px
75	qtz-biotite-diorite : coarse-grained
	Skarn : mostly garnet, some pyroxene, epidote; gt>px
	qtz-biotite-diorite : coarse-grained
	Skarn : qtz-biot-diorite protolith; gt>px
	qtz-biotite-diorite : coarse-grained
	Porphyritic gabbro :
	Skarn : mafic dike protolith; px>gt;
	Mafic Dike : fine-grained; moderately shattere core; minor mt in fractures at 152.0-152.40m
	Skarn : mostly epidote, scapolite, some garnet, pyroxene
	Mafic Dike : fine-grained; plag-phyric
	qtz-biotite-diorite : coarse-grained
	Mafic Dike : fine-grained
	qtz-biotite-diorite : coarse-grained; minor mafic dike clasts/irregular fingers
	Skarn : mafic dike protolith
	Mafic Dike : fine-grained
	Skarn : mostly epidote, garnet
	Plagioclase porphyry : very small plag phenos (~1-2mm)
	Mafic Dike : fine-grained; very shattered core; possible amygdules
	Skarn : mostly pyroxene (very light blue-green)
	Magnetite-Skarn : mt + pyroxene skarn
	Skarn : pyroxene
	Massive Magnetite : minor dissem pyroxene
	Mafic Dike : fine-grained
	Massive Magnetite : minor dissem pyroxene
	Magnetite-Skarn : pyroxene + mt
	Skarn : mostly pyroxene; minor mt in fractures
	Mafic Dike : fine-grained; minor mt in fractures; very shattered core
	Massive Magnetite :
	Mafic Dike : fine-grained; very shattered core
	Massive Magnetite :
	Mafic Dike : fine-grained; extremely shattered core
	Massive Magnetite :
	Mafic Dike : fine-grained; very shattered near top contact
	Marble :
50	Mafic Dike : fine-grained
	Marble :
60	Mafic Dike : shattered core
	Marble :
52	Mafic Dike : fine-grained
	Marble :
60	Mafic Dike : fine-grained
	Marble : clear white, soft mineral in fractures (~4-5 mohs hardness), possibly anhydrite? Doesn't fizz in hcl

Depth m	Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S
210					
220					
	G0791984	2.7		28.0	0.1
230					
	G0791985	7.1		342.0	0.2
240					
250					
260					
270					
280					

Geotech: RQD, Rec

Sulphide: 0 - 20 % py : cpy : po

Alteration: SKRN, PROP, EPI, CHL, SILI

Point Notes: 7cm marble

Lithology

contacts	Unit	Description
40		Plagioclase porphyry : at depth down this interval, plag phenos increase in size (~2-4mm)
		Basalt : fine-grained; 225-55-238.0m: weakly to moderately magnetic; amygdules present after 244.0m
		Plagioclase porphyry :
15		Basalt : fine-grained; amygdules present; weakly-moderately magnetic
		Plagioclase porphyry :
		Basalt : fine-grained; amygdules present; weakly magnetic
		Plagioclase porphyry : quite bleached looking
		Basalt : fine-grained, amygdules present; weakly magnetic

Legend

Scale: 1:100

Lithology Units

- Drill Casing / Overburden
- Dacite
- Ore Zone
- Skarn Zone
- Plagioclase Porphyry Sills/Dikes
- Felsic Intrusive
- Mafic Intrusive
- Mafic Volcanic
- Carbonate

Alteration

Types

- SKRN: Skarn; gt, pyx, +/-ep, +/-sulphide
- PROP: Propylitic; ep, clor, py, ser
- EPI: Epidotic; ep
- CLOR: Chloritic; clor, ser
- SILI: Silicifacation; qtz, silica polymorphs

Intensity

- 1 Local, Confined to viens
- 2 In and around viens
- 3 Patchy, Penetrated into rock,but some of rock remains unaltered
- 4 Pervasive, All of the rock is altered, but fabric remains
- 5 Ubiquitous, fabric is obliterated by alteration

PACIFIC IRON ORE CORPORATION

Project: Pearson	Northing: 5391179	Logged By:	Alexis Eapen and Kyle Karlzen
Drillhole: 11-09B	Easting: 388637	Collar Dip:	-60
Start Date: 10/05/2011	Elevation: 478 m	Azimuth:	235
End Date: 12/05/2011	Projection: NAD 83 UTM 10N	Total Depth:	246.88
		Core Size:	NQ2

Depth (m) | Assay Results | Geotech | Sulphide | Alteration | Point Notes | Lithology

Sample	Fe (0 - 75 %)	MAG %	Cu ppm	% S	py	cpy	po
G0791921	65.2		508.0	2.0	0	0	4
G0791922	59.6		670.0	3.4	1	0	7
G0791923	8.7		75.9	0.3			
G0791924	59.2		699.0	3.7	0.5	0.5	10
G0791925	54.0		1130.0	5.3	2	0	10
G0791926	2.6		31.1	0.1			
G0791927	50.0		682.0	3.0	0	0.3	4
G0791928	11.9		237.0	1.0	1	0	95
G0791929	56.8		3120.0	11.0	0	0	30
G0791930	56.6		4840.0	11.0	3	0.8	90
G0791931	47.3		5030.0	11.0	2	1	75
G0791932	59.7		2280.0	11.0	1	1	80
G0791933	58.3		2200.0	7.2	0	0.8	25
G0791934	60.8		1640.0	11.0	0	0.5	80
G0791935	63.5		1040.0	5.0	0.5	1	12
G0791936	54.3		1230.0	11.0	0.5	0.3	95
					1	0.5	10
G0791937	53.8		2640.0	11.0	0	2	85
G0791938	8.2		562.0	1.0			
G0791939	16.8		4520.0	8.7	4	0.8	70
					0.5	0	0.3
G0791940	53.8		3500.0	11.0	0	0.8	95
G0791941	58.4		3830.0	2.7	0.5	1	6
G0791942	62.7		585.0	3.1	2	0.5	4
G0791943	37.7		3340.0	7.0	1	0.8	25
G0791944	35.2		4400.0	11.0	4	0.3	40
G0791946	4.0		134.0	1.8			
					2	0	0
G0791947	9.1		634.0	4.7	3	0	0
G0791948	4.6		165.5	0.7			
G0791949	21.7		137.5	1.2	1	0.3	1
G0791950	10.2		124.5	0.6			
G0791951	5.3		205.0	1.1			
					3	0	0
G0791952	0.3		3.9	0.1			
G0791953	12.9		66.2	0.3			
G0791954	61.0		593.0	3.1	2	0	3
G0791955	10.9		85.4	0.1			
G0791956	56.2		445.0	1.7	1.5	0	0
G0791957	17.5		196.0	0.7			
G0791958	50.4		588.0	2.4	1	0	0
G0791959	11.9		50.6	0.2			
G0791960	44.1		395.0	1.4	1	0	0
G0791961	23.0		136.5	0.2			
G0791962	33.9		325.0	0.7	2	0	0
G0791963	10.4		72.1	0.3			
					3	0	2

Geotech: RQD, Rec

Alteration: SKRN, PROP, EPI, CLOR, SILI

Point Notes:

- 0.5cm pyrrhotite vein @ 35
- banding @ 25
- banding/bedding @ 65

Lithology (contacts | Unit | Description):

contacts	Description
	Casing : made up of glacial till and qtz-diorite, mass mt, porphyritic gabbro, and mafic dike boulders
	Massive Magnetite :
	Mafic Dike : fine-grained; plag-phyric; possibly dacite? Quite fresh
	Massive Magnetite :
	qtz-biotite-diorite : highly silicified; texture obliterated
	Massive Magnetite : ~80%mt; minor mafic dike clasts
	qtz-biotite-diorite : texture obliterated
	Massive Sulphide : mostly pyrrhotite
	Massive Magnetite :
	Massive Sulphide : mostly pyrrhotite; ~5% mt
	Massive Magnetite :
	Massive Sulphide : mostly pyrrhotite; ~15%mt
	Massive Magnetite :
	Massive Sulphide : mostly pyrrhotite
	Mafic Dike : fine-grained; plag-phyric; possibly dacite
	Massive Sulphide : mostly pyrrhotite
	Marble : could be qtz-diorite? Completely silicified, texture obliterated
	Massive Sulphide : mostly pyrrhotite
	Massive Magnetite :
	Mafic Dike : fine-grained
	Magnetite-Skarn : ~25%mt
	Skarn : minor mt in fractures
35	Marble :
	Mafic Dike : fine-grained; plag-phyric
	Garnet-Pyroxene-Skarn : pyroxene > garnet
	Marble :
25	Skarn : brecciated
	Marble :
65	Mafic Dike : fine-grained; plag-phyric; moderately shattered core
40	Marble :
	Mafic Dike : fine-grained
	Magnetite-Skarn :
	Skarn : mafic dike protolith; mostly pyroxene w/ minor gt in fractures; minor mt in fractures
	Mafic Dike : fine-grained
	qtz-biotite-diorite : or qtz-feldspar-porphyry?
	Mafic Dike : fine-grained; plag-phyric
50	Marble : quite 'dirty'
	Garnet-Pyroxene-Skarn : possible porphyritic gabbro protolith
	Porphyritic gabbro :
40	Marble :
	Mafic Dike : very sheared; mt in fractures
	Massive Magnetite :
	Mafic Dike : fine-grained; minor mt in fractures; very shattered core
	Massive Magnetite :
	Mafic Dike : fine-grained; minor mt in fractures
	Massive Magnetite :
	Garnet-Pyroxene-Skarn : garnet>pyroxene
	Massive Magnetite : w/ skarn clasts throughout
	Magnetite-Skarn : mt + gt-px-skarn
	Massive Magnetite : w/ minor skarn clasts throughout
	Garnet-Pyroxene-Skarn : minor mt in fractures; pyroxene>garnet
40	Marble : lots of vugs
50	Skarn : brecciated; mafic dike protolith
	Marble : lots of vugs

Depth m	Assay Results: Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S
	G0791964	10.1		18.2	0.1
	G0791965	22.4		5.8	0.1
	G0791966	5.9		21.5	0.2
	G0791967	5.6		59.8	2.3
	G0791968	5.3		154.0	1.7

Geotech: RQD, Rec

Sulphide 0 - 20 % py : cpy : po

Row	py	cpy	po
1	5	0	0
2	3	0	0
3	8	0	0
4	3	0	0
5	3	0	0
6	1	0	0
7	10	0	0

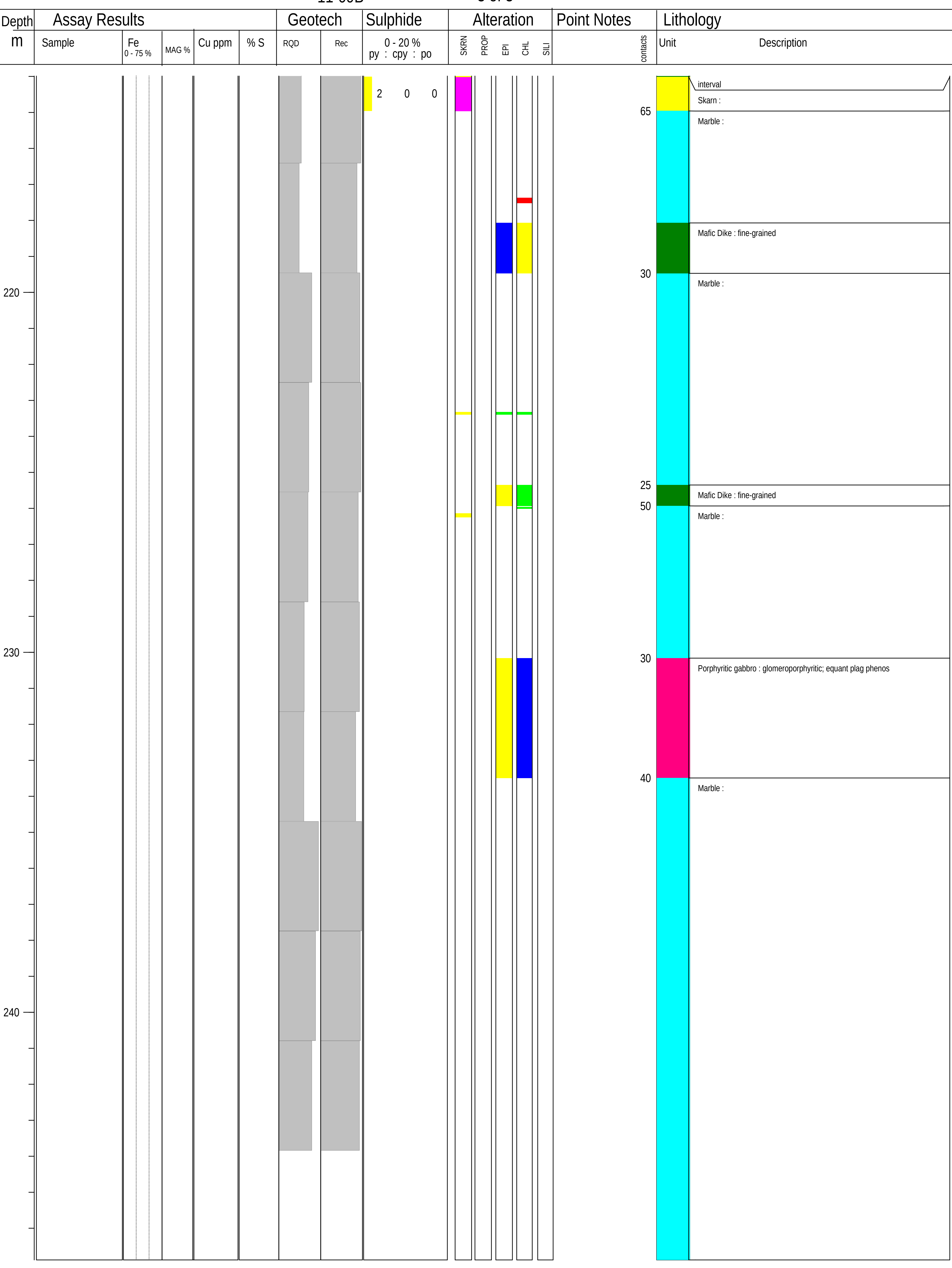
Alteration: SKRN, PROP, EPI, CHL, SILI

Depth: 120, 130, 140, 150, 160, 170, 180, 190, 200, 210

Point Notes: banding/bedding @ 50

Lithology (contacts, Unit, Description)

Contact	Lithology
40	Mafic Dike : fine-grained; brecciated, annealed at top contact
	Marble :
	Mafic Dike : both contacts are skarned, brecciated, annealed
	Marble : w/ skarn clasts throughout
	Mafic Dike : fine-grained; moderately shattered core
	Marble :
	Garnet-Pyroxene-Skarn : mt in fracture from 118.29-118.69m.
	Marble : disseminated and stringer mt throughout; ~30%mt
	Magnetite-Skarn :
	Marble :
	Mafic Dike : fine-grained; brecciated
	Marble :
20	Mafic Dike : fine-grained; moderately brecciated
	Marble :
	Mafic Dike : fine-grained
35	Marble : skarn banding in some areas
	Garnet-Pyroxene-Skarn :
	Plagioclase porphyry :
	Marble :
	Skarn : mostly pyroxene, epidote, some scapolite
	Plagioclase porphyry :
	Skarn : mostly pyroxene, epidote, some scapolite
	Marble :
	Mafic Dike : fine-grained; plag-phyric
	Marble : some areas are silicified
35	Mafic Dike : fine-grained; 1cm mt/hmt veins at both contacts
	Marble : some areas are silicified
60	Mafic Dike : fine-grained; plag-phyric
60	Marble :
45	Mafic Dike : fine-grained; plag-phyric
30	Marble :
45	Skarn :
35	Marble :
70	Mafic Dike : fine-grained
30	Marble :
30	Mafic Dike : fine-grained; plag-phyric
80	Marble :
75	Skarn :
15	Marble :
25	Mafic Dike : fien-grained
	Marble :
	Skarn :
	Marble : w/ skarn clasts throughout
45	Skarn : brecciated
60	Marble : lots of vugs
30	Skarn :
30	Mafic Dike : possibly highly recrystallized amph/feldspars in middle of



Legend

Scale: 1:100

Lithology Units

- Drill Casing / Overburden
- Dacite
- Ore Zone
- Skarn Zone
- Plagioclase Porphyry Sills/Dikes
- Felsic Intrusive
- Mafic Intrusive
- Mafic Volcanic
- Carbonate

Alteration

Types

SKRN: Skarn; gt, pyx, +/-ep, +/-sulphide

PROP: Propylitic; ep, clor, py, ser

EPI: Epidotic; ep

CLOR: Chloritic; clor, ser

SILI: Silicifacation; qtz, silica polymorphs

Intensity

- 1 Local, Confined to viens
- 2 In and around viens
- 3 Patchy, Penetrated into rock,but some of rock remains unaltered
- 4 Pervasive, All of the rock is altered, but fabric remains
- 5 Ubiquitous, fabric is obliterated by alteration

PACIFIC IRON ORE CORPORATION

Project: Pearson	Northing: 5391179	Logged By: Alexis Eapen and Tim Norris	
Drillhole: 11-08B	Easting: 388637	Collar Dip: -45	
Start Date: 06/05/2011	Elevation: 478 m	Azimuth: 235	
End Date: 10/05/2011	Projection: NAD 83 UTM 10N	Total Depth: 376.94	
		Core Size: NQ2	

Depth (m) | Assay Results: Sample, Fe (0 - 75 %), MAG %, Cu ppm, % S | Geotech: RQD, Rec | Sulphide: 0 - 20 % py : cpy : po | Alteration: SKRN, PROP, EPI, CLOR, SILI | Point Notes: contacts | Lithology: Unit, Description

Depth scale: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110

Assay Results

Sample	Fe	Cu ppm	% S
G0791782	4.3	21.4	0.0
G0791783	37.8	1520.0	1.8
G0791784	53.8	773.0	2.6
G0791785	63.9	930.0	3.1
G0791786	59.2	1060.0	11.0
G0791787	4.4	243.0	0.1
G0791788	61.5	4920.0	11.0
G0791789	63.8	1330.0	5.2
G0791790	61.7	4130.0	11.0
G0791791	66.0	1760.0	5.9
G0791792	64.7	927.0	3.7
G0791794	62.2	4080.0	11.0
G0791795	64.8	3760.0	7.3
G0791796	58.9	3030.0	11.0
G0791797	55.3	6560.0	11.0
G0791798	47.4	6230.0	11.0
G0791799	51.6	5710.0	11.0
G0791800	11.4	604.0	2.5
G0791801	56.1	5610.0	11.0
G0791802	31.7	2900.0	11.0
G0791803	52.7	1785.0	9.0
G0791804	59.3	1410.0	3.8
G0791805	60.5	1215.0	5.6
G0791806	26.6	1495.0	6.9
G0791807	7.4	166.5	0.3
G0791808	59.1	739.0	2.9
G0791809	61.0	851.0	3.3
G0791810	59.8	635.0	2.5
G0791811	7.6	70.6	0.4
G0791812	63.0	1555.0	7.4
G0791813	6.0	132.0	0.4
G0791814	17.3	241.0	1.5
G0791815	54.7	835.0	3.8
G0791816	3.3	26.8	0.1
G0791817	57.4	3430.0	11.0
G0791818	55.9	1290.0	5.2
G0791819	15.5	749.0	3.4
G0791820	19.9	5700.0	8.9
G0791821	48.9	1550.0	11.0
G0791822	16.6	1605.0	5.1
G0791823	3.6	58.6	0.1
G0791824	58.6	346.0	2.1
G0791825	3.3	11.4	0.1
G0791826	59.5	522.0	2.6
G0791827	53.2	509.0	3.2
G0791828	51.8	418.0	2.7
G0791829	60.0	683.0	3.1
G0791830	16.4	860.0	5.3
G0791831	59.4	692.0	4.3
G0791832	20.7	1680.0	7.1
G0791833	59.9	930.0	3.3
G0791834	39.1	490.0	5.7
G0791835	12.7	165.5	0.9
G0791836	12.8	346.0	2.3
G0791838	12.3	367.0	1.5
G0791839	12.6	209.0	1.5
G0791840	13.3	310.0	2.0
G0791841	20.0	208.0	3.4
G0791843	22.5	304.0	2.0
G0791844	5.2	128.5	0.3
G0791845	5.7	218.0	1.7
G0791846	7.2	289.0	1.0
G0791847	44.7	597.0	4.0
G0791848	52.7	521.0	2.4

Sulphide (py : cpy : po), top to bottom

py	cpy	po
1	0	4
0.5	1	0.8
0.8	0	4
0.5	0.5	9
2	0	85
1	0	85
0.8	0	3
1	1	80
2	0.5	15
1	0	4
0.5	0.5	90
0.5	0.5	20
0.5	0.5	10
0.5	0.5	3
0.5	0.5	90
0.1	0.1	0.1
1	0.5	30
2	0.5	0.5
1	0.5	30
5	0.5	10
1	1	25
1	0.5	10
1	0.5	20
1	0.5	10
1	0.5	20
1	0.5	8
0	0	10
1	0.8	5
1	0.5	3
1	0.5	2
1	0.5	5
1	1.5	2
1	0.5	15
1	0.5	4
3	0.05	1
2	0.5	70
4	0.5	10
2	0	3
3	0.1	4
3	0.1	10
1	0.1	80
1	0	3
3	0	4
2	0	2
4	0.5	3
2	0	1
1	0	3
1	0.05	6
2	0.75	2
2	0	2
4	0.5	2
4	0.1	3
4	0.1	8
2	0	1
1	0	1
3	0	3
2	0	1
1	0	0
3	0	1
1	0	0
5	0	2
10	0	3
4	0.1	2

Lithology

contacts	Description
	Casing : made up of glacial till and qtz-biot-diorite, marble, mafic dike, plag porphyry, and skarn boulders
	Mafic Dike : fine-grained; plag-phyric; quite fresh, unaltered
	qtz-biotite-diorite : coarse-grained
	Massive Magnetite :
	Garnet-Pyroxene-Skarn :
	Massive Magnetite :
	Massive Sulphide :
	Skarn : qtz-biot-diorite protolith
	Massive Sulphide : ~5%mt
	Massive Magnetite :
	Massive Sulphide : hmt in and around fractures
	Massive Magnetite :
	Massive Sulphide : massive po w/mt intergrown;late py and minor cpy in veins
	Massive Magnetite : lete py and minor cpy
	Massive Sulphide : massive po w/ varible mt content, average<10%; relict skarn clasts <1% py and cpy along fractures
50	Diorite : Plag phenos in a med-grained dioritic matrix; Chilled margins @ top and bottom contacts
70	Massive Sulphide : as above
	Garnet-Pyroxene-Skarn : Pyx>Gt>Sul; unkown protolith
	Magnetite-Skarn : >30% mt w/sul and relict skarn clasts;
	Massive Magnetite : sul rich (po) w/ relict calc-sil clasts; epidote veins cut py late py veins;
35	Skarn : sul rich w/minor mt
50	Mafic Dike : badly shattered, fresh
70	Massive Magnetite : top contact is gougy; a few relict skarn clasts, but overall less gangue than above sections.
50	Plagioclase porphyry : chilled margins top and bottom
80	Massive Magnetite : Rare skarn clasts; some cpy in middle section and po @ end. Bottom contact is gougey.
45	Mafic Dike : gougey
	Diorite : Leuco-diorite; ~3mm soapstone talc @ top contact
	Mafic Dike : recrystalized texture, w/ needle plag microcrysts
30	
25	Massive Magnetite : sheared at both contacts w/ chl along fractures
	Diorite : leuco-diorite; shattered
35	Massive Sulphide : Massive po; ~20% mt; late py veins
	Massive Magnetite : some relict Gt skarn; po
15	Garnet-Pyroxene-Skarn : minor ep, sul and mt
	Magnetite-Skarn : pyx, scap, gt ~20% mt + sul
	Massive Sulphide :
	Skarn : pyx>gt; scap and sul; minor mt
	Diorite : leuco-diorite; probablly proto of above unit
85	Massive Magnetite : quite shattered
85	Diorite : leucocratic, fresh
35	Massive Magnetite : less sul than above mt
	Garnet-Pyroxene-Skarn : minor sul
30	Massive Magnetite : 2cm py @ upper contact
	Magnetite-Skarn :
	Massive Magnetite :
	Magnetite-Skarn :
	Garnet-Pyroxene-Skarn : gt=pyx~=scap
	Marble : skarn altered w/ mt in veins and lenses
	Magnetite-Skarn : pyx>gt
75	Plagioclase porphyry : small dike
75	Magnetite-Skarn : as above mt-skrn
	Mafic Dike :
	Plagioclase porphyry :
	Mafic Dike : shattered
	Plagioclase porphyry :
	Basalt : amygdules present; py in veins and dess
50	Massive Magnetite : shattered w/ high sul
50	Mafic Dike :
	Massive Magnetite : some relict gt skarn clasts; much less po than above sections; py occurs in veins up to >3mm dilation

Depth m	Sample	Fe (0 - 75 %)	MAG %	Cu ppm	% S	Sulphide py : cpy : po (0 - 20 %)	Point Notes
	G0791849	59.5		398.0	1.6	4 : 0.1 : 3; 1 : 0.1 : 2	
	G0791850	58.9		770.0	3.9	4 : 0.1 : 4	
	G0791851	54.8		740.0	3.3	2 : 0.1 : 2; 3 : 0.1 : 2; 15 : 0.1 : 2	
	G0791852	62.4		481.0	2.4	2 : 0.1 : 2; 5 : 0.1 : 2	
	G0791853	48.7		695.0	3.2	3 : 0.1 : 2; 5 : 0.1 : 5	
120	G0791854	7.3		62.1	0.1		
	G0791855	58.9		770.0	3.6	3 : 0 : 3	
	G0791856	67.8		543.0	2.8	2 : 0 : 2	
	G0791857	64.6		794.0	2.7		
	G0791858	61.9		735.0	3.4	2 : 0 : 3	
	G0791859	58.7		676.0	2.7	2 : 0 : 2	
	G0791860	7.8		16.2	0.1		
130	G0791861	51.5		574.0	3.1	4 : 0 : 2	
	G0791862	34.1		275.0	1.4	5 : 0 : 4	
	G0791863	6.1		16.8	0.0		
	G0791864	51.2		407.0	2.3	3 : 0 : 1; 4 : 0.1 : 2	
	G0791865	7.3		29.9	0.0		
	G0791866	60.6		709.0	2.9	3 : 0 : 3	
	G0791867	7.2		26.8	0.1		
	G0791868	50.6		539.0	2.4		
140	G0791869	47.2		404.0	1.5	2 : 0 : 2; 2 : 0 : 4; 2 : 0 : 2	
	G0791870	55.1		615.0	2.5	3 : 0 : 3	
	G0791871	5.7		63.4	0.2		
	G0791872	66.5		596.0	2.9	3 : 0 : 2	
	G0791873	60.9		464.0	2.3	3 : 0 : 3	
	G0791874	57.4		391.0	3.0	10 : 0 : 3; 1 : 0 : 1	
150	G0791875	57.5		546.0	1.3	2 : 0 : 2	
	G0791876	6.7		13.6	0.1		
	G0791877	47.8		597.0	3.0	3 : 0.1 : 5; 5 : 0.1 : 5	
	G0791879	14.6		1315.0	6.5	3 : 0.1 : 3; 5 : 0.1 : 10	
	G0791880	6.5		82.1	0.4		
	G0791881	47.9		547.0	2.8	10 : 0 : 5; 3 : 0 : 1; 4 : 0 : 2	
160	G0791882	59.5		478.0	2.4	2 : 0.2 : 2	
	G0791883	59.0		609.0	2.8	2 : 0.1 : 3	
	G0791884	60.8		682.0	3.2	3 : 0.1 : 3	
	G0791885	52.4		778.0	3.6	4 : 0.1 : 2	
	G0791886	9.0		66.8	0.3		
	G0791887	46.1		300.0	3.1	5 : 0.5 : 5	
170	G0791888	11.2		52.8	0.9	5 : 0 : 5	
	G0791890	8.0		21.5	0.1		
						3 : 0 : 0	
180							
190							
200							
210	G0791891	6.1		89.0	0.1	1 : 0 : 0	mt vein

Geotech: RQD, Rec

Alteration: SKRN, PROP, EPI, CHL, SILI

Lithology

contacts	Unit	Description
60	Plagioclase porphyry :	
45	Massive Magnetite : fairly homogeneous magnetite intersection; solid and coarse grained	
60	Mafic Dike : FG	
	Massive Magnetite : top section is shattered with chl along fractures	
	Magnetite-Skarn : mt+pyx+sul	
	intermediate volcanic : intermediate dike	
40	Magnetite-Skarn :	
	Massive Magnetite : moderate py veining	
75	intermediate volcanic : dike	
	Massive Magnetite : as above	
45	intermediate volcanic : some amygdules; mod veining at ~0 deg	
45	Massive Magnetite : small dike and some skarn clasts present	
60	Plagioclase porphyry : fresh and clean	
80	Massive Magnetite : solid, coarse grained; som pyx, py veining; 20cm gt skarn @ 149.43	
55	Mafic Dike : skarn alt at contacts	
	Massive Magnetite : solid, CG, large blebs of po, veins of py	
	Magnetite-Skarn : mt content decrease rapidly towards bottom contact	
	Skarn : sul rich w/ pyx>gt; py veins cutting po	
20	Plagioclase porphyry : chilled margins at contacts	
	Massive Magnetite : fairly homogeneous; weak carbonate veining; CG;	
30	Mafic Dike : FG	
15	Massive Magnetite : fair amount of pyx; gouge at lower contact; somewhat shattered	
	Mafic Dike : highly altered gradually decreseing towards bottom of section; mt present in fracts at 170.25-170.40m and 170.45-170.64m	
35	Plagioclase porphyry : chilled @ bottom contact	
50	Qtz-Hbl-Diorite : CG, some mafic xenoliths and mineral segregations present; varibly skarn altered	

Depth m	Assay Results: Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S
	G0791892	8.3		130.0	0.3
230					
240	G0791893	5.6		16.6	0.1
	G0791894	0.4		9.1	0.1
250					
	G0791895	12.0		80.4	0.4
	G0791896	16.2		480.0	1.3
	G0791897	9.0		220.0	0.7
	G0791898	21.0		607.0	1.6
260	G0791899	8.2		243.0	0.4
	G0791900	8.8		60.0	0.1
270					
280					
	G0791901	8.7		249.0	0.8
	G0791902	26.2		18.4	0.1
	G0791903	9.3		19.9	0.0
290	G0791904	15.4		18.4	0.0
	G0791905	11.7		1080.0	2.1
	G0791906	14.0		392.0	1.4
	G0791907	11.8		866.0	2.9
	G0791908	8.0		513.0	1.1
300					
310					
	G0791909	9.9		327.0	0.5
	G0791910	13.1		554.0	2.9
	G0791911	6.5		367.0	1.4

Geotech: RQD, Rec

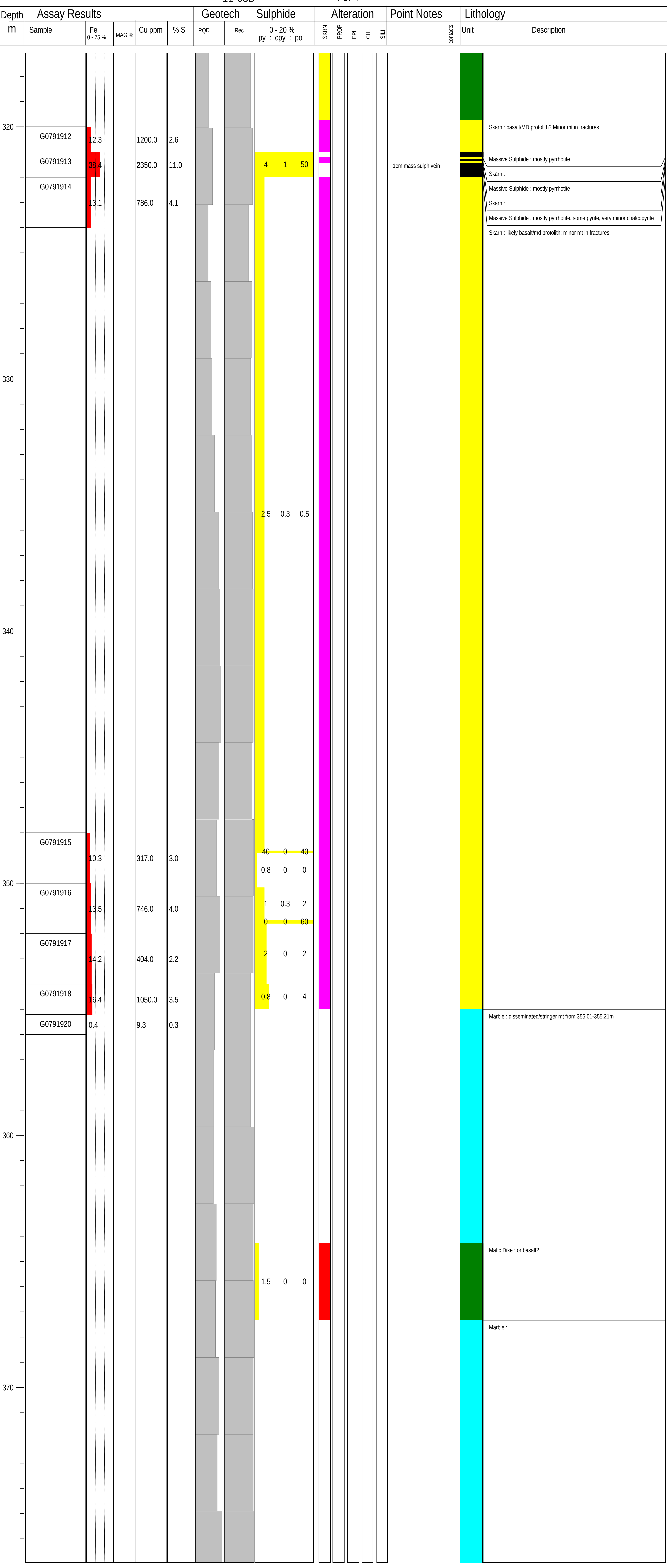
Sulphide 0 - 20 %

py	cpy	po
2.5	0	0
3	0	0
6	0	0
2	0	0
3.5	0	0
7	0	0
2	0	0
3	0	0
3	0	0

Alteration: SKRN, PROP, EPI, CHL, SILI

Point Notes: banding @ 55

contacts	Lithology: Description
90	Marble : minor mt in fractures near upper contact; ep crystals grown with calcite grains; gypsum intergrowths;
35	qtz-biotite-diorite : very altered
	Mafic Dike : fine-grained
	Marble : minor disseminated/fracture filling mt @ 253.50m
55	Mafic Dike : fine-grained; plag-phyric
	Marble :
	Mafic Dike : fine-grained; minor mt in fractures
	Magnetite-Skarn : ~15%mt
	dacite : fine-grained
	Mafic Dike : fine-grained
	Magnetite-Skarn : ~40%mt
	Mafic Dike : fine-grained
	Skarn : mostly scapolite, epidote
	Magnetite-Skarn : ~5-20%mt
	Mafic Dike : fine-grained
	Marble : lots of vugs w/ carbonate infill
	Mafic Dike : some shearing at near top contact
	Skarn : mostly epidote, scapolite; likely qtz-biot-diorite protolith
	qtz-biotite-diorite : coarse-grained
	Skarn : mostly garnet, epidote, some scapolite
	Mafic Dike : fine-grained; possibly very altered qtz-biot-diorite
	Plagioclase porphyry : glomeroporphyritic; equant plag phenos
35	Mafic Dike : fine-grained; minor mt in fractures (up to 10% in some areas)
	Skarn : mostly pyroxene, scapolite, epidote, minor garnet; qtz-biot-diorite protolith
	Mafic Dike : fine-grained
	Garnet-Pyroxene-Skarn : mostly pyroxene, some garnet
	Basalt : fine-grained; amygdules present
	Massive Magnetite :
	Skarn : mostly actinolite
	Magnetite-Skarn : mt in fractures of actinolite skarn
	Skarn : mostly actinolite, minor mt in fractures
	Magnetite-Skarn :
	Mafic Dike : fine-grained; minor mt in fractures
	Garnet-Pyroxene-Skarn :
	Magnetite-Skarn :
	Skarn : minor mt in fractures (~<1%mt); 297.30-298.31m:mt in fractures(~5%mt); mostly pyroxene, actonlite, some garnet, scapolite, minor epidote
	Magnetite-Skarn : ~10%mt
	Skarn : mostly pyroxene
	Magnetite-Skarn :
	Basalt : fine-grained



Legend

Scale: 1:100

Lithology Units

- Drill Casing / Overburden
- Dacite
- Ore Zone
- Skarn Zone
- Plagioclase Porphyry Sills/Dikes
- Felsic Intrusive
- Mafic Intrusive
- Mafic Volcanic
- Carbonate

Alteration

Types

SKRN: Skarn; gt, pyx, +/-ep, +/-sulphide

PROP: Propylitic; ep, clor, py, ser

EPI: Epidotic; ep

CLOR: Chloritic; clor, ser

SILI: Silicifacation; qtz, silica polymorphs

Intensity

- 1 Local, Confined to viens
- 2 In and around viens
- 3 Patchy, Penetrated into rock,but some of rock remains unaltered
- 4 Pervasive, All of the rock is altered, but fabric remains
- 5 Ubiquitous, fabric is obliterated by alteration

PACIFIC IRON ORE CORPORATION

Project:	Pearson	Northing: 5391085		Logged By:	Alexis Eapen
Drillhole:	11-07B	Easting: 388705		Collar Dip:	-60
Start Date:	02/05/2011	Elevation: 488 m		Azimuth:	200
End Date:	06/05/2011	Projection: NAD 83 UTM 10N		Total Depth:	435.86
				Core Size:	NQ2

Depth (m): 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110

Assay Results

Sample	Fe (0 - 75 %)	MAG %	Cu ppm	% S
G0791761	9.3		28.0	0.1
G0791762	55.3		192.5	1.4
G0791763	11.4		65.7	0.4
G0791764	4.6		4.3	0.2
G0791765	5.2		22.2	0.4
G0791766	9.5		27.4	0.3
G0791767	7.2		263.0	3.8

Geotech

RQD | Rec

Sulphide

0 - 20 % (py : cpy : po)

py	cpy	po
1	0	0
15	0	0
2.5	0	0
3	0	0

Alteration

SKRN | PROP | EPI | CLOR | SILI

Point Notes

banding @ 55

Lithology

contacts: 25, 50, 80, 35

Unit	Description
	Casing : made up of glacial till; and qtz-biot-diorite, mafic dike boulders
	qtz-biotite-diorite : coarse-grained
	Garnet-Pyroxene-Skarn : qtz-biot-diorite protolith
	Mafic Dike : fine-grained; plag-phyric; quite fresh, unaltered
	Garnet-Pyroxene-Skarn :
	Massive Magnetite :
	Mafic Dike : fine-grained
	Marble : quite 'dirty' marble; lots of vugs w/ calcite, organic matter infill; marble gouge at bottom contact
	Mafic Dike : fine-grained; moderately shattered core
	Marble : very 'dirty' marble; lots of vugs w/ organic matter infill
	Mafic Dike : brecciated
	qtz-biotite-diorite : coarse-grained; w/ minor mafic dike clasts
	Mafic Dike : fine-grained; possible a hbl-dacite?
	qtz-biotite-diorite : coarse-grained; minor mafic dike clasts present
	Mafic Dike : fine-grained
	Marble : very 'dirty' marble; lots of banding
	Mafic Dike : fine-grained; brecciated then annealed near top contact
	qtz-biotite-diorite : coarse-grained
	Marble :
	Skarn :
	Marble :
	Plagioclase porphyry : very altered; could be highly recrystallized mafic dike or very altered qtz-biot-diorite
	qtz-biotite-diorite : coarse-grained; moderately shattered core; weakly magnetic in the more mafic segregations of the qtz-biot-diorite
	Horneblende-Pyroxene-Feldspar-Gabbro : med-grained
	qtz-biotite-diorite : coarse-grained; minor mafic dike clasts present
	Horneblende-Pyroxene-Feldspar-Gabbro : med-grained
	qtz-biotite-diorite : corase-grianed
	Marble : lots of vugs w/ clacite, organic matter, mt infill; diseeminated/stringer mt from 96.13-97.94m
	Magnetite-Skarn :
	Mafic Dike : fine-grained; minor mt in fractures
	Marble : continued disseminated/stringer mt until 97.94m.
	Mafic Dike : fine-grained; plag-phyric
	Skarn :
	Marble :
	Mafic Dike : fine-grained; plag-phyric
	Horneblende-Pyroxene-Feldspar-Gabbro : med-grained
	Plagioclase porphyry :
	Marble : 'dirty' marble

Depth m	Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S	Sulphide 0 - 20 % py : cpy : po
	G0791768	6.9		106.0	4.5	5 : 0 : 0
120						
	G0791771	0.7		7.9	0.1	
130						
	G0791769	5.2		54.6	0.7	
140						
	G0791770	4.9		36.6	0.4	
150						
160						
170						
						1.5 : 0 : 0
180						
190						
200						
210						1.5 : 0 : 0
	G0791772	7.4		123.5	0.5	

Geotech: RQD, Rec

Alteration: SKRN, PROP, EPI, CHL, SILI

Point Notes: 2cm mt stringer (approx. 179 m)

contacts	Lithology Unit / Description
	Mafic Dike : fine-grained; plag-phyric
20 / 10	Marble :
	Mafic Dike : fine-grained
35 / 50	Marble :
	Skarn :
35	Marble :
30	Mafic Dike : fine-grained; very shattered core
	Marble : minor mafic dike (1/3 of core), parallel; is brecciated, annealed; mt stringers from 126.95-127.30m
30	Mafic Dike : fine-grained
30	Marble :
	Mafic Dike : fine-grained; very shattered core
	Marble :
60	Mafic Dike : fine-grained; very shattered core
	Marble :
45	Mafic Dike : fine-grained; very shattered core
	Marble :
	Mafic Dike : fine-grained
25	Skarn :
50	Marble :
	Mafic Dike : fine-grained
	Marble :
35	Mafic Dike : fine-grained; moderately shattered core
	Marble :
20	Mafic Dike : fine-grained
	Marble :
60	Mafic Dike : fine-grained; very shattered core
	Marble :
	Skarn : mostly pyroxene,and minor epidote, scapolite
	Mafic Dike : fine-grained; plag-phyric
	Horneblende-Pyroxene-Feldspar-Gabbro : coarse-grained

Depth m	Assay Results: Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S	Geotech: RQD	Rec	Sulphide 0 - 20 %: py : cpy : po	Alteration: SKRN	PROP	EPI	CHL	SILI	Point Notes
220														
														4cm clay seam
230														
240														
250														
260														
								1.5 : 0 : 0						
270														
	G0791773	0.4		8.1	11.0									
280														
290														mineral banding @ 35
300														
310														

Lithology

contacts	Unit	Description
30		Marble :
20		Horneblende-Pyroxene-Feldspar-Gabbro : corase-grained; moderately shattered core
60		Marble :
30		Skarn : possibly hornblende-pyroxene-feldspar gabbro protolith? Brecciated; faulted?
		Marble :
		Plagioclase porphyry :
20		Marble :
80		Mafic Dike : fine-grained; moderately shattered core
70		Marble : gypsum in fractures
55		Plagioclase porphyry : smaller plag phenos than usual (~1-2mm)
20		Marble :
		Skarn :
65		Marble : very minor blebbed mt @ 260.94m
		Mafic Dike : fine-grained
65		Marble : gypsum from 271.89-271.96m
		Mafic Dike : fine-grained; plag-phyric
55		Marble :
		Plagioclase porphyry : moderately shattered core
		Marble :
30		Porphyritic gabbro : could be finer-grained hornblende-pyroxene-feldspar-gabrro?
15		Marble :
30		Mafic Dike : fine-grained; brecciated, annealed
		Marble : gypsum in fractures

Depth m	Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S	Sulphide 0 - 20 % py : cpy : po
320	G0791774	7.2		145.5	4.1	3 : 0 : 0
						3.5 : 0 : 0
	G0791775	7.2		78.9	0.4	
350	G0791776	6.7		82.8	0.3	
	G0791777	8.3		176.0	0.3	
	G0791778	8.6		97.1	0.7	
	G0791780	8.6		160.5	0.5	
	G0791781	8.5		314.0	0.8	

Geotech: RQD, Rec

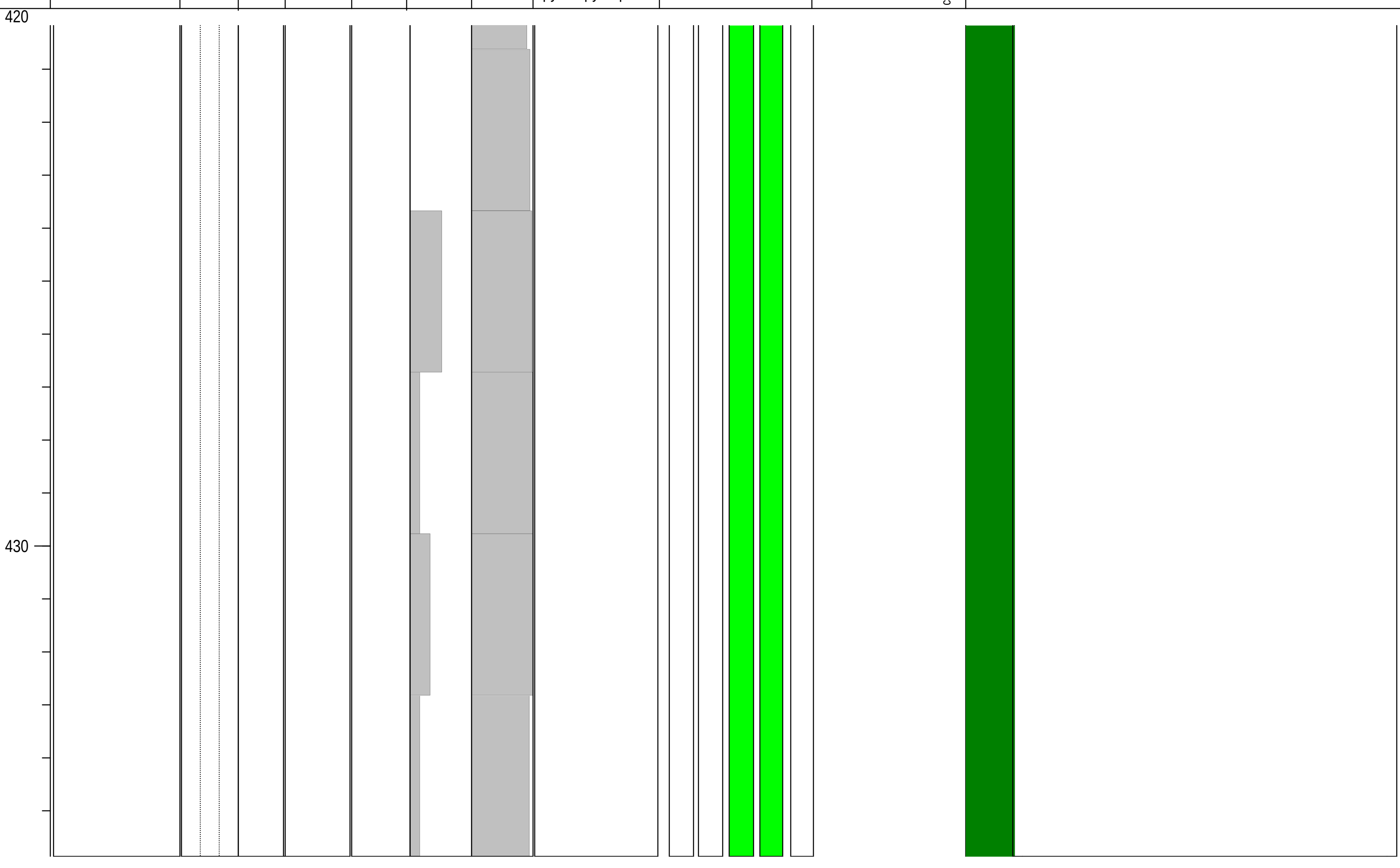
Alteration: SKRN, PROP, EPI, CHL, SILI

Point Notes: 6cm marble clast

Depth m: 320, 330, 340, 350, 360, 370, 380, 390, 400, 410, 420

Lithology contacts	Unit / Description
	Mafic Dike : fine-grained
50	Marble :
65	Mafic Dike : fine-grained; moderately magnetic
40	Marble :
	Basalt : sheared
	Marble :
	Basalt : fine-grained; from 351.47-372.88; mt in fractures; amygdules present
	Plagioclase porphyry :
	Basalt : fine-grained; amygdules present; moderately magnetic
	Plagioclase porphyry :
	Basalt : fine-grained; amygdules present; weakly to moderately magnetic
	Plagioclase porphyry :
	Basalt : fine-grained; amygdules present; weakly to moderately magnetic
	Plagioclase porphyry :
	Basalt : fine-grained; amygdules present; weakly-moderately magnetic

Depth m	Assay Results: Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S	Geotech: RQD	Rec	Sulphide 0 - 20 % py : cpy : po	Alteration: SKRN	PROP	EPI	CHL	SILI	Point Notes	contacts	Lithology: Unit	Description



Legend

Lithology Units

- Drill Casing / Overburden
- Dacite
- Ore Zone
- Skarn Zone
- Plagioclase Porphyry Sills/Dikes
- Felsic Intrusive
- Mafic Intrusive
- Mafic Volcanic
- Carbonate

Alteration

Types

- SKRN: Skarn; gt, pyx, +/-ep, +/-sulphide
- PROP: Propylitic; ep, clor, py, ser
- EPI: Epidotic; ep
- CLOR: Chloritic; clor, ser
- SILI: Silicifacation; qtz, silica polymorphs

Intensity

- 1 Local, Confined to viens
- 2 In and around viens
- 3 Patchy, Penetrated into rock,but some of rock remains unaltered
- 4 Pervasive, All of the rock is altered, but fabric remains
- 5 Ubiquitous, fabric is obliterated by alteration

Scale: 1:100

PACIFIC IRON ORE CORPORATION

Project:	Pearson	Northing:	5391150	Logged By:	Alexis Eapen
Drillhole:	11-06B	Easting:	388586	Collar Dip:	-55
Start Date:	22/04/2011	Elevation:	501 m	Azimuth:	260
End Date:	02/05/2011	Projection:	NAD 83 UTM 10N	Total Depth:	655.32
				Core Size:	NQ2

Assay Results

Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S
G0791724	5.2		41.8	0.2
G0791725	7.0		61.4	0.7
G0791726	6.3		112.5	0.9

Sulphide (py : cpy : po)

py	cpy	po
1.5	0	0
1.5	0	0
1	0	0
0.7	0	0
2	0	0
1.5	0	0
2	0	0
0.9	0	0.6
0.8	0	0

Lithology

contacts	Description
	Casing : madeup of qtz-biot-diorite, mafic dike, plag porphyry boulders
	qtz-biotite-diorite : coarse-grained; w/ Mafic dike clasts throughout; moderately magnetic; grades to diorite in some areas
10	Mafic Dike : fine-grained; quite fresh, unaltered
	qtz-biotite-diorite : coarse-grained; moderately magnetic; closer to diorite in some areas
	Porphyritic gabbro : glomeroporphyritic; sub-equant plag phenos
65	qtz-biotite-diorite : coarse-grained; moderately magnetic
	Mafic Dike : fine-grained; plag-phyric; quite fresh, unaltered
	qtz-biotite-diorite : coarse-grained; minor mafic dike clasts present; at 38.02m, mt present (~5cm fracture fill)
	Mafic Dike : fine-grained
	qtz-biotite-diorite : coarse-grained; moderately magnetic; minor sub-angular mafic dike clasts throughout
	Mafic Dike : fine-grained; minor qtz-biot-diorite fingers present; plag-phyric in some areas
	qtz-biotite-diorite : grades to diorite in some areas
	Mafic Dike : fine-grained
70	qtz-biotite-diorite : coarse-grained; weakly magnetic; minor mafic dike clasts present
65	Mafic Dike : fine-grained; plag-phyric
	Plagioclase porphyry : moderately magnetic
	Mafic Dike : fine-grained
75	qtz-biotite-diorite : coarse-grained
75	Mafic Dike : fine-grained
	qtz-biotite-diorite : coarse-grained; very shattered core
	Porphyritic gabbro : sub-equant phenos; glomeroporphyritic; moderately shattered core
60	Plagioclase porphyry : equant plag phenos; different from above porph gabbro
55	Mafic Dike : fine-grained
	Horneblende-Pyroxene-Feldspar-Gabbro : coarse-grained
	Mafic Dike : fine-grained; moderately shattered
	Porphyritic gabbro : sub-equant phenos
	Mafic Dike : fine-grained
	Granodiorite : coarse-grained
	Mafic Dike : fine-grained; red mineral disseminated throughout (biotite? Soft, scrapes off easily)
	Porphyritic gabbro : sub-equant plag phenos
	Mafic Dike : fine-grained
30	qtz-biotite-diorite : coarse-grained
	Mafic Dike : fine-grained; possible amygdules? Basalt/andesite?
	qtz-biotite-diorite : coarse-grained; moderately shattered
	Mafic Dike : fine-grained
	qtz-biotite-diorite : coarse-grained
40	Mafic Dike : fine-grained; quite altered
	Plagioclase porphyry : equant to sub equant plag phenos
	Mafic Dike : fine-grained; from 140.21-142.57m: bleached looking; light grey green; 142.57-146.09m: plag-phyric

Depth m	Assay Results: Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S	Geotech: RQD	Rec	Sulphide 0 - 20 %: py : cpy : po	Alteration: SKRN	PROP	EPI	CHL	SILI	Point Notes	Lithology: contacts	Unit	Description

Depth marks: 150, 160, 170, 180, 190, 200, 210, 220, 230, 240, 250, 260, 270

Assay Results

Sample	Fe	Cu ppm	% S
G0791728	9.4	138.5	0.2
G0791729	15.8	187.5	0.4
G0791730	33.1	299.0	1.0
G0791731	9.8	78.8	0.5
G0791732	15.8	275.0	1.2
G0791733	18.1	398.0	1.4
G0791734	52.1	106.5	0.8
G0791735	22.4	234.0	0.6
G0791736	10.8	229.0	1.2
G0791737	9.7	35.4	0.2
G0791738	55.1	717.0	4.8
G0791739	16.8	779.0	3.6
G0791740	12.5	68.6	0.4
G0791741	42.2	324.0	2.5
G0791742	11.4	739.0	3.7
G0791743	3.9	22.8	0.0
G0791745	59.6	596.0	2.7
G0791746	61.4	685.0	2.6
G0791747	63.8	571.0	2.5
G0791748	63.3	588.0	3.7
G0791749	61.9	570.0	3.0
G0791750	53.9	579.0	3.6
G0791751	15.0	824.0	3.9

Sulphide (py : cpy : po)

py	cpy	po
2	0	0
2	0.5	2
5	1	80
1	0.7	2
2	0.8	2
1.5	0	1.5
1.5	0	1
1.5	0	0.7
1.5	0.5	2
1.5	0.8	3
1	0.4	2
2	0	3
3	0.5	1

Lithology

contacts	Description
	Porphyritic gabbro :
	Mafic Dike : fine-grained; moderately shattered
	Magnetite-Skarn : gt-px-skarn + magnetite
	Skarn : w/ minor mt in fractures
	Magnetite-Skarn :
	Mafic Dike : fine-grained; plag-phyric
	Magnetite-Skarn : mt in fractures; ~10-20%mt
	Mafic Dike : fine-grained; minor mt in fractures
	Magnetite-Skarn : moderately shattered
	Massive Magnetite : moderately shattered
	Magnetite-Skarn :
	Garnet-Pyroxene-Skarn : mafic dike protolith; minor mt in fractures
	Mafic Dike : fine-grained; w/ minor mt in fractures; highly shattered core
	Skarn : mafic dike protolith
	Mafic Dike : fine-grained
	qtz-biotite-diorite : highly altered
20	Mafic Dike : fine-grained; minor mt in fractures
	Massive Magnetite :
	Skarn : minor mt in fractures
	Massive Magnetite :
	Mafic Dike : fine-grained
40	Massive Magnetite :
	Mafic Dike : fine-grained
	qtz-biotite-diorite : coarse-grained
	Mafic Dike : fine-grained
75	qtz-biotite-diorite : very altered
	Mafic Dike : fine-grained; plag-phyric
	qtz-biotite-diorite : highly altered
	Massive Magnetite :
40	Mafic Dike : 246.06-246.49m:annealed gouge; minor mt in fracts
	qtz-biotite-diorite : coarse-grained
15	Mafic Dike : fine-grained
	qtz-biotite-diorite : coarse-grained

Depth m	Assay Results: Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S	Geotech: RQD	Rec	Sulphide 0 - 20 % py : cpy : po	Alteration: SKRN	PROP	EPI	CHL	SILI	Point Notes
	G0791752	6.2		60.1	0.4									
														banding @ 25
310														banding @ 35
														banding @ 30
	G0791753	5.8		84.5	2.2			1 : 0 : 0						
														banding @ 50
	G0791754	4.4		65.4	2.0			4 : 0 : 0						
														banding @ 20
														banding @ 70
	G0791755	4.9		86.4	2.1			2 : 0 : 0						
								1.5 : 0.5 : 2						
								2 : 0 : 2						
350	G0791756	6.1		85.9	3.6			3 : 0 : 0						
360								3 : 0 : 0						
	G0791757	5.6		83.0	3.8			4 : 0 : 0						

Depth scale: 280, 290, 300, 310, 320, 330, 340, 350, 360, 370, 380, 390, 400

Lithology

contacts	Unit / Description
15	Porphyritic gabbro : sub-equant phenos
	qtz-biotite-diorite : coarse-grained
	Marble : altered marble near top contact; completely obliterated and talc altered; very soapy, soft, brittle; the rest of the marble is very vuggy, with calcite, organic matter, anhydrite,? And Talc infill. Marble is very 'dirty' and has lots of mafic cla
25	Mafic Dike : fine-grained; plag-phyric
	Marble : lime green and blue mineral infill in fractures
30	Basalt : fine-grained; amygdules present
25	Plagioclase porphyry : glomeroporphyritic; equant plag phenos
30	Marble :
	Skarn :
	Marble : lots of skarn/MD/basalt clasts; marble is 'dirty', lots of banding
30	Skarn : brecciated
	Mafic Dike : brecciated
	Marble : clasts of skarn throughout
	Skarn :
	Marble :
35	Skarn :
	Marble : clasts of skarn throughout
55	Garnet-Pyroxene-Skarn :
25	Marble :
	Skarn :
	Marble : silicified from 361.71-362.90m
	Mafic Dike : fine-grained
35	Marble :
40	Mafic Dike : fine-grained; shattered core
	Marble :
15	Skarn :
20	Marble :
30	Mafic Dike : fine-grained
	Marble :
70	Plagioclase porphyry : moderately shattered core

Depth m	Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S
	G0791758	2.1		11.4	0.7
	G0791759	0.4		4.6	11.0
	G0791760	8.2		168.0	0.2

Geotech: RQD, Rec

Sulphide: 0 - 20 %, py : cpy : po

Alteration: SKRN, PROP, EPI, CHL, SILI

Point Notes

Depth scale (m): 410, 420, 430, 440, 450, 460, 470, 480, 490, 500, 510, 520, 530, 540

Lithology

contacts	Unit / Description
75	Marble : silicified in many areas
60	Mafic Dike : fine-grained; moderately shattered; silicified
	Marble : silicified in many areas
30	Basalt : fine-grained; amygdules present; moderately shattered
30	Marble : minor mt in fractures at top contact
28	Basalt : fine-grained; amygdules present
30	Marble : minor mt in fractures throughout
20	Basalt : fine-grained; mt in fractures
	Marble : mt at top contact
65	Basalt : fine-grained; mt in fractures; increased disseminated/ fracture filled mt at last 20 cm of bottom contact (~5% mt)
30	Marble :

Legend

Lithology Units

- Drill Casing / Overburden
- Dacite
- Ore Zone
- Skarn Zone
- Plagioclase Porphyry Sills/Dikes
- Felsic Intrusive
- Mafic Intrusive
- Mafic Volcanic
- Carbonate

Alteration

Types

SKRN: Skarn; gt, pyx, +/-ep, +/-sulphide

PROP: Propylitic; ep, clor, py, ser

EPI: Epidotic; ep

CLOR: Chloritic; clor, ser

SILI: Silicifacation; qtz, silica polymorphs

Intensity

1 Local, Confined to viens

2 In and around viens

3 Patchy, Penetrated into rock,but some of rock remains unaltered

4 Pervasive, All of the rock is altered, but fabric remains

5 Ubiquitous, fabric is obliterated by alteration

Scale: 1:100

PACIFIC IRON ORE CORPORATION

Project: Pearson	Northing: 5391150	Logged By: Alexis Eapen	
Drillhole: 11-05B	Easting: 388586	Collar Dip: -55	
Start Date: 20/04/2011	Elevation: 501 m	Azimuth: 210	
End Date: 22/04/2011	Projection: NAD 83 UTM 10N	Total Depth: 243.84	
		Core Size: NQ2	

Depth m | Assay Results | Geotech | Sulphide | Alteration | Point Notes | Lithology

Assay Results

Sample	Fe (0 - 75 %)	MAG %	Cu ppm	% S	Sulphide 0 - 20 % py : cpy : po
G0791677	7.1		12.5	0.0	
G0791678	47.8		1150.0	5.8	3 : 0 : 1
					25 : 0 : 0
G0791679	18.4		280.0	8.5	
G0791680	3.9		326.0	0.4	
G0791681	10.1		570.0	2.4	
G0791682	61.0		644.0	3.0	0.5 : 0.8 : 3.5
G0791683	10.9		145.5	0.2	0 : 0.8 : 3
G0791684	53.6		884.0	3.4	0.8 : 1 : 3
G0791685	57.5		664.0	2.5	0.8 : 0.5 : 2
G0791686	63.2		629.0	2.8	1.5 : 0.5 : 3
G0791687	66.4		660.0	2.9	1 : 0 : 3
G0791688	17.5		613.0	1.2	
G0791689	10.1		216.0	0.9	
G0791690	58.8		632.0	2.6	0.8 : 0.6 : 2.5
G0791691	54.9		664.0	3.4	1 : 0.8 : 4
G0791692	63.0		546.0	2.6	1 : 1 : 2
G0791693	63.8		433.0	2.1	0.7 : 0.4 : 4
G0791694	7.1		107.5	0.6	
G0791695	6.3		86.1	0.2	

Geotech: RQD, Rec

Alteration: SKRN, PROP, EPI, CLOR, SILI

Depth (m): 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110

Lithology

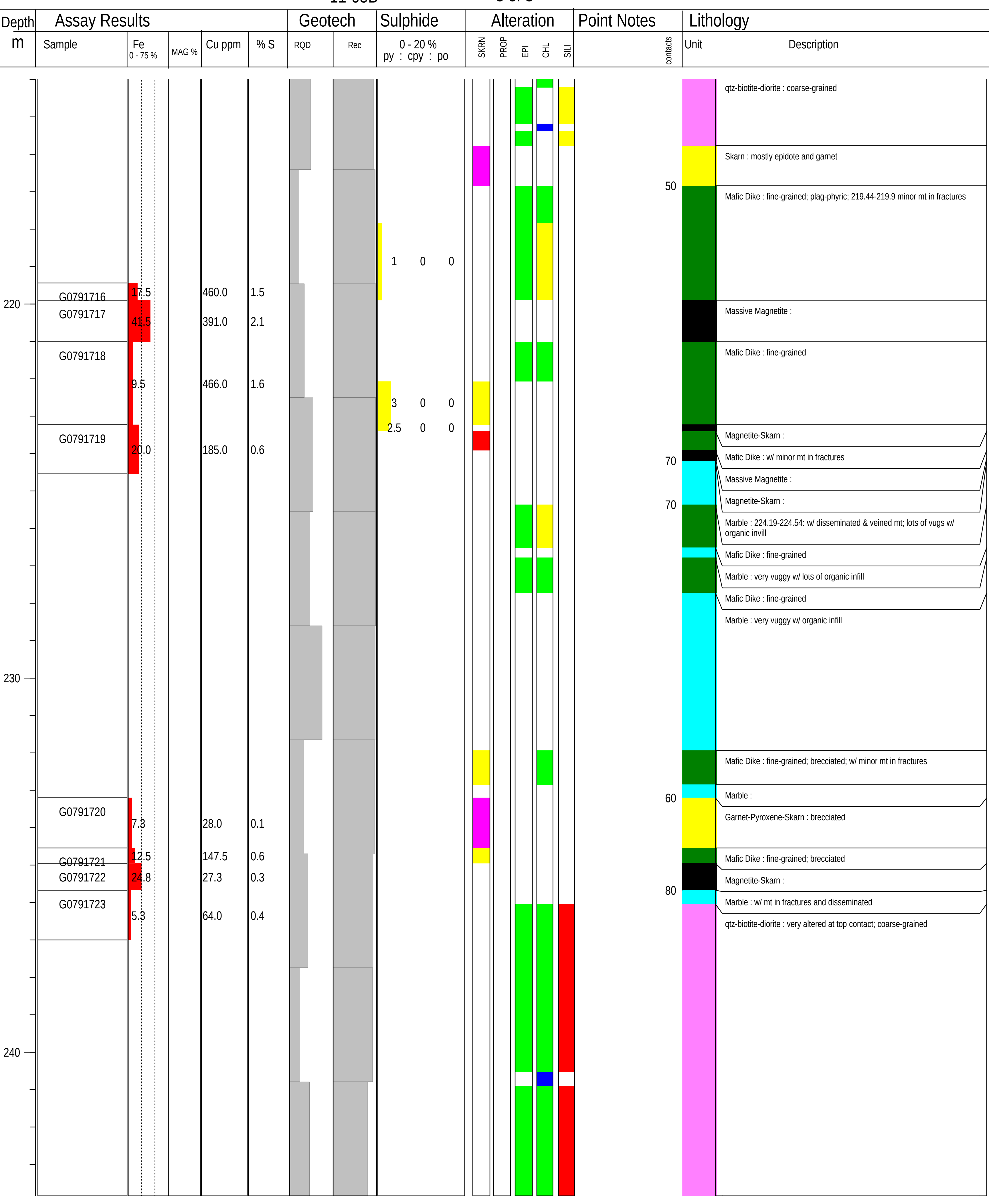
contacts	Unit	Description
	Casing	made up of sand, gravel, and qtz-biot-diorite, plag porphyry, mafic dike boulders
	qtz-biotite-diorite	med-grained; w/ large, angular to sub-angular mafic dike clasts throughout
	Mafic Dike	fine-grained; moderately shattered, quite fresh
	qtz-biotite-diorite	med-grained; w/ large, angular to sub-angular mafic dike clasts throughout
	Mafic Dike	fine-grained; minor qtz-biot-diorite fingers
35	Porphyritic gabbro	glomeroporphyritic; equant plag phenos
	Mafic Dike	fine-grained; w/ minor qtz-biot-diorite fingers near bottom contact
	qtz-biotite-diorite	med-grained; w/ large, angular to sub-angular mafic dike clasts throughout
	Mafic Dike	highly recrystallized mafic dike?? Could be a phaneritic, fine-grained, hbl-diorite?
	qtz-biotite-diorite	med-grained; w/ large, angular to sub-angular mafic dike clasts throughout
	Mafic Dike	fine-grained
	Porphyritic gabbro	glomeroporphyritic; equant plag phenos
	Mafic Dike	fine-grained; highly shattered near top contact
	Massive Magnetite	
	Magnetite-Skarn	
	Skarn	
	qtz-biotite-diorite	med-grained
	Porphyritic gabbro	glomeroporphyritic; equant plag phenos
	qtz-biotite-diorite	coarse-grained
	Mafic Dike	fine-grained
	Porphyritic gabbro	glomeroporphyritic; equant plag phenos
	Mafic Dike	fine-grained
	Garnet-Pyroxene-Skarn	mostly garnetite
	Mafic Dike	fine-grained; plag-phyric
	Garnet-Pyroxene-Skarn	
	Plagioclase porphyry	equant plag phenos
55	Mafic Dike	fine-grained
	Plagioclase porphyry	
	Mafic Dike	fine-grained
	Massive Magnetite	
	qtz-biotite-diorite	med- to -coarse- grained
75	Massive Magnetite	
25	qtz-biotite-diorite	coarse grained
	Massive Magnetite	
	Garnet-Pyroxene-Skarn	w/ minor mt veins
	Mafic Dike	fine-grained; plag-phyric
	Skarn	w/ minor mt veins
	qtz-biotite-diorite	
60	Mafic Dike	fine-grained; (dacite?)
	Skarn	w/ minor mt in fractures
	Massive Magnetite	
	Mafic Dike	fine-grained
	Porphyritic gabbro	glomeroporphyritic

Assay Results					Sulphide		
Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S	0 - 20 % py	cpy	po
G0791697	43.4		359.0	1.5	2	0.5	5
G0791698	54.8		112.0	0.3	0.7	0	1
G0791699	56.4		83.8	0.5	0.6	0	0.3
G0791700	6.4		54.9	0.1			
G0791701	46.9		974.0	3.0	8	0.8	20
					0	1	0.8
					0.4	0.5	0
G0791702	59.6		435.0	1.8	1.5	0.7	2.5
G0791703	61.3		601.0	2.8	1.5	0.5	3
G0791704	8.9		43.5	0.3			
G0791705	56.5		649.0	2.6	2	0.4	3
G0791706	61.6		778.0	2.8	1	0.8	2
G0791707	4.2		11.0	0.1			
G0791708	5.4		71.9	0.2			
G0791709	13.0		344.0	0.1			
G0791710	18.4		894.0	0.2			
G0791711	12.7		114.0	0.1			
G0791712	12.4		307.0	0.1			
G0791714	31.6		1165.0	0.2	0.5	0	0.4
G0791715	10.7		87.6	0.1			

Geotech: RQD, Rec
Alteration: SKRN, PROP, EPI, CHL, SILI
Point Notes

Lithology

contacts	Unit / Description
	Massive Magnetite :
50	Porphyritic gabbro : glomeroporphyritic
	Massive Magnetite :
40	Porphyritic gabbro : glomeroporphyritic; equant plag phenos
	Magnetite-Skarn :
	Massive Magnetite :
	Magnetite-Skarn :
	Massive Magnetite :
	Mafic Dike : fine-grained
	Massive Magnetite :
	qtz-biotite-diorite : coarse grained
	Mafic Dike : fine-grained
	qtz-biotite-diorite : coarse-grained
35	Porphyritic gabbro : glomeroporphyritic
	qtz-biotite-diorite : coarse-grained
	Mafic Dike : fine-grained
50	qtz-biotite-diorite : coarse-grained
	Mafic Dike : fine-grained
	qtz-biotite-diorite : coarse-grained
	Garnet-Pyroxene-Skarn : porph gabbro protolith?
	Porphyritic gabbro :
	Garnet-Pyroxene-Skarn : w/ mt in fractures; ~2-5% mt in some areas
65	Horneblende-Pyroxene-Feldspar-Gabbro : med-grained
	Garnet-Pyroxene-Skarn : w/ mt in fractures
	Magnetite-Skarn :
	Garnet-Pyroxene-Skarn :
45	qtz-biotite-diorite : coarse-grained
	Mafic Dike : fine-grained
	qtz-biotite-diorite : coarse-grained
55	Mafic Dike : fine-grained; plag-phyric
	qtz-biotite-diorite : coarse-grained; w/ minor mafic dike clasts
	Mafic Dike : fine-grained; plag-phyric
	qtz-biotite-diorite : coarse-grained
65	Mafic Dike : fine-grained



Legend

Scale: 1:100

Lithology Units

- Drill Casing / Overburden
- Dacite
- Ore Zone
- Skarn Zone
- Plagioclase Porphyry Sills/Dikes
- Felsic Intrusive
- Mafic Intrusive
- Mafic Volcanic
- Carbonate

Alteration

Types

- SKRN: Skarn; gt, pyx, +/-ep, +/-sulphide
- PROP: Propylitic; ep, clor, py, ser
- EPI: Epidotic; ep
- CLOR: Chloritic; clor, ser
- SILI: Silicifacation; qtz, silica polymorphs

Intensity

- 1 Local, Confined to viens
- 2 In and around viens
- 3 Patchy, Penetrated into rock,but some of rock remains unaltered
- 4 Pervasive, All of the rock is altered, but fabric remains
- 5 Ubiquitous, fabric is obliterated by alteration

PACIFIC IRON ORE CORPORATION

Project: Pearson	Northing:5391150	Logged By: Alexis Eapen	
Drillhole: 11-04B	Easting:388586	Collar Dip: -60	
Start Date: 19/04/2011	Elevation:501 m	Azimuth: 165	
End Date: 20/04/2011	Projection:NAD 83 UTM 10N	Total Depth: 176.78	
		Core Size: NQ2	

Depth (m) | Assay Results | Geotech | Sulphide | Alteration | Point Notes | Lithology

Assay Results and Sulphide

Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S	Sulphide 0 - 20 % py : cpy : po
G0791616	3.1		7.4	0.1	
G0791617	53.3		1245.0	6.5	2 : 0.8 : 4
G0791618	54.9		1205.0	4.5	1 : 0.8 : 5
G0791619	56.5		716.0	3.8	3 : 0.5 : 3
G0791620	25.6		2240.0	5.8	1.5 : 0 : 8
G0791621	53.1		879.0	3.9	2.5 : 0.3 : 4
G0791622	59.1		833.0	4.0	2.5 : 0.5 : 6.5
G0791623	60.7		647.0	2.9	2 : 0 : 8
G0791624	63.6		815.0	4.0	1.5 : 0 : 8
G0791625	8.6		67.7	0.2	
G0791626	62.3		552.0	3.1	1 : 0.8 : 5
G0791627	52.7		608.0	3.5	1.5 : 0.6 : 3.5
G0791628	12.4		114.0	0.6	3 : 0 : 3.5
G0791629	9.2		130.0	0.4	
G0791630	55.6		981.0	3.7	0.5 : 0.8 : 8; 2 : 0.8 : 6
G0791631	55.4		2350.0	11.0	2 : 0.5 : 90
G0791632	6.3		262.0	0.5	
G0791633	49.6		647.0	4.6	2 : 0 : 4
G0791634	7.0		45.0	0.3	
G0791635	5.9		96.0	0.1	
G0791636	56.7		2140.0	11.0	2 : 0 : 85
G0791637	46.4		2350.0	4.8	1.5 : 0.8 : 2; 0.3 : 0.4 : 0
G0791638	53.5		665.0	3.9	1.5 : 0.5 : 3
G0791639	53.1		870.0	3.9	1 : 0.4 : 2.5; 2 : 0.5 : 40; 0.8 : 0.8 : 2
G0791640	8.9		113.5	0.2	10 : 0 : 60
G0791641	54.9		2070.0	7.2	1.5 : 0.5 : 3
G0791642	21.9		282.0	1.1	1.5 : 0 : 3
G0791643	55.9		563.0	3.5	1.5 : 0.3 : 3
G0791644	51.3		1835.0	7.5	1.5 : 0.7 : 8
G0791645	9.3		176.5	0.7	
G0791646	42.2		560.0	4.1	2 : 0.5 : 3
G0791648	61.1		372.0	2.2	1 : 0.5 : 3
G0791649	59.5		375.0	2.4	2 : 0.5 : 2
G0791650	62.4		600.0	3.3	0.8 : 0.5 : 4
G0791651	8.9		120.0	0.7	
G0791652	52.6		399.0	2.2	1 : 0.5 : 2; 1 : 0 : 2
G0791653	50.0		1085.0	4.0	1.5 : 0.5 : 6
G0791654	53.7		629.0	5.1	
G0791655	59.5		424.0	2.3	
G0791656	62.0		541.0	2.6	
G0791657	14.8		113.5	0.6	
G0791658	58.1		520.0	2.6	1 : 0.3 : 0.5
G0791659	66.4		1050.0	5.4	0.8 : 0.6 : 4
G0791660	8.1		117.0	0.3	
G0791661	46.9		482.0	2.4	1 : 0.6 : 3
G0791662	46.4		447.0	2.5	25 : 1 : 3
G0791663	61.9		759.0	3.7	0.8 : 0.8 : 6
G0791664					

Alteration: SKRN, PROP, EPI, CLOR, SILI

Point Notes: contacts 25, 55 (at qtz-biotite-diorite)

Lithology (Unit / Description)

- Casing : made up of sand and gravel, and qtz-biot-diorite, plag porphyry, mafic dike boulders
- Mafic Dike : fine-grained; plag-phyric in some areas; minor granodiorite fingers near top contact
- qtz-biotite-diorite : med-grained; moderately shattered
- Mafic Dike : fine-grained; red mineral present; possibly red biotite or hbl?
- qtz-biotite-diorite : med-grained
- Massive Magnetite :
- Magnetite-Skarn : mostly diopside w/ pyrrhotite veins + ~10-15% mt
- Massive Magnetite :
- Mafic Dike : fine-grained; plag-phyric; possibly dacite?
- Massive Magnetite :
- Mafic Dike : fine-grained; plag-phyric
- Massive Magnetite :
- Mafic Dike : fine-grained
- Porphyritic gabbro : glomeroporphyritic; equant plag phenocrysts
- Mafic Dike : fine-grained; plag-phyric
- Massive Magnetite :
- Massive Sulphide : mostly pyrrhotite
- Porphyritic gabbro : glomeroporphyritic; equant plag phenocrysts
- Massive Magnetite :
- Porphyritic gabbro : glomeroporphyritic; equant plag phenocrysts
- Massive Sulphide : mostly pyrrhotite
- Massive Magnetite :
- Mafic Dike : fine-grained; plag-phyric
- Massive Sulphide :
- Massive Magnetite :
- Mafic Dike : fine-grained; dacite?
- Massive Magnetite :
- Mafic Dike : fine-graned; dacite?
- Massive Magnetite :
- Horneblende-Pyroxene-Feldspar-Gabbro : med- to coarse- grained
- Massive Magnetite :
- Mafic Dike : fine-grained; core is shattered; minor mt in fractures
- Massive Magnetite :
- Porphyritic gabbro : glomeroporphyritic; equant plag phenocrysts
- Massive Magnetite :
- Mafic Dike : fine-grained; plag-phyric; quite fresh; unaltered
- Massive Magnetite :
- Mafic Dike : fine-grained; plag-phyric (dacite?)
- Massive Magnetite :
- Mafic Dike : fine-grained
- Massive Magnetite :
- Porphyritic gabbro :
- Massive Magnetite :

Depth m	Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S	Sulphide 0 - 20 % py : cpy : po
		62.7		574.0	2.5	1 : 0.8 : 3
	G0791666	63.6		749.0	3.6	1 : 0.5 : 4
	G0791667	63.1		660.0	3.0	1.5 : 0.4 : 5
	G0791668	64.0		673.0	2.5	0.8 : 0.3 : 2.5
	G0791669	63.6		1080.0	3.3	0.8 : 0.6 : 2.5
120	G0791670	54.6		976.0	2.5	2.5 : 0.5 : 2.5
	G0791671	34.7		874.0	8.7	2 : 0 : 0
	G0791672	17.4		123.0	0.2	
	G0791673	59.3		755.0	4.1	0.6 : 1 : 3
	G0791674	7.2		52.5	0.1	
130	G0791675	1.7		17.0	0.1	
140						
150						
	G0791676	7.0		66.0	4.2	
160						
170						

Geotech: RQD, Rec

Alteration: SKRN, PROP, EPI, CHL, SILI

Point Notes

banding @ 55

banding @ 35

Lithology

contacts	Unit	Description
		Magnetite-Skarn : gt-skarn + mt
		Garnet-Pyroxene-Skarn : minor mt in fractures; mostly garnet, minor diopside
		Massive Magnetite :
30		Mafic Dike : fine-grained; plag-phyric
		Plagioclase porphyry :
25		qtz-biotite-diorite : highly altered
		Marble :
		Porphyritic gabbro :
45		Marble : lots of filled fractures; very vuggy
75		Skarn :
		Marble : vugs throughout core
15		Skarn :
		Marble :

Legend

Scale: 1:100

Lithology Units

- Drill Casing / Overburden
- Dacite
- Ore Zone
- Skarn Zone
- Plagioclase Porphyry Sills/Dikes
- Felsic Intrusive
- Mafic Intrusive
- Mafic Volcanic
- Carbonate

Alteration

Types

- SKRN: Skarn; gt, pyx, +/-ep, +/-sulphide
- PROP: Propylitic; ep, clor, py, ser
- EPI: Epidotic; ep
- CLOR: Chloritic; clor, ser
- SILI: Silicifacation; qtz, silica polymorphs

Intensity

- 1 Local, Confined to viens
- 2 In and around viens
- 3 Patchy, Penetrated into rock,but some of rock remains unaltered
- 4 Pervasive, All of the rock is altered, but fabric remains
- 5 Ubiquitous, fabric is obliterated by alteration

PACIFIC IRON ORE CORPORATION

Project: Pearson	Northing:5391150	Logged By: Alexis Eapen	
Drillhole: 11-03B	Easting:388586	Collar Dip: -60	
Start Date: 17/04/2011	Elevation:501 m	Azimuth: 320	
End Date: 19/04/2011	Projection: NAD 83 UTM 10N	Total Depth: 256.03	
		Core Size: NQ2	

Depth m	Assay Results: Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S	Geotech: RQD	Rec	Sulphide 0 - 20 % py : cpy : po	Alteration: SKRN	PROP	EPI	CLOR	SILI	Point Notes: contacts	Lithology: Unit	Description

Depth scale: 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110

Assay Results

Sample	Fe	MAG %	Cu ppm	% S
G0791608	9.1		353.0	0.8
G0791609	20.4		259.0	1.5
G0791610	13.2		88.7	0.3
G0791611	22.3		132.5	0.4
G0791612	8.5		18.3	0.1
G0791613	7.8		9.4	0.0

Sulphide (py : cpy : po)

py	cpy	po
0.8	0	0
0.5	0	0.7
0.8	0	0
2	0	0.8

Lithology

Contacts	Description
	Casing : made up mostly of qtz-biot-diorite boulders, sand & gravel
	qtz-biotite-diorite : med-grained; w/ sub-angular MD/MV clasts and irregular fingers
	Mafic Dike : fine-grained; highly recrystallized; minor qtz-biot-diorite fingers
	qtz-biotite-diorite : med-grained; w/ sub-angular MD/MV clasts and irregular fingers
55	Mafic Dike : fine-grained; plag-phyric
45	qtz-biotite-diorite : med-grained; w/ sub-angular MD/MV clasts and irregular fingers
45	Mafic Dike : fine-grained
	qtz-biotite-diorite : med-grained; w/ sub-angular MD/MV clasts and irregular fingers
	Mafic Dike : fine-grained; w/ minor irregular fingers of qtz-biot-diorite throughout
	qtz-biotite-diorite : med-grained; w/ sub-angular MD/MV clasts and irregular fingers
	Mafic Dike : fine-grained
	qtz-biotite-diorite : med-grained; w/ sub-angular MD/MV clasts and irregular fingers
	Mafic Dike : fine-grained; moderately-strongly shattered core; minor qtz-biot-diorite fingers throughout
	qtz-biotite-diorite : med-grained; w/ sub-angular MD/MV clasts and irregular fingers; strongly shattered core
	Mafic Dike : fine-grained; very shattered core
80	Marble :
55	Skarn : mafic dike protolith
	Marble :
	Mafic Dike : fine-grained; plag-phyric
	Marble :
	Mafic Dike : fine-grained; plag-phyric
35	Marble :
55	Mafic Dike : brecciated
45	Garnet-Pyroxene-Skarn :
25	Magnetite-Skarn : mt+pyroxene skarn
	Garnet-Pyroxene-Skarn :
	Magnetite-Skarn :
	Garnet-Pyroxene-Skarn :
	Magnetite-Skarn :
	Garnet-Pyroxene-Skarn :
	Magnetite-Skarn :
	Skarn : pyroxene>garnet; at 94.20m qtz-biot-diorite protolith?
	qtz-biotite-diorite : texture is almost obliterated
	Marble : lots of vugs, high amount of banded and disseminated organic matter
20	Skarn : brecciated; white, powerdery fracture infill turns yellow when reacted with HCl (elemental sulfur?)
65	Marble : lots of vugs w/ quartz, calcite, or organic matter infill

Depth m	Assay Results: Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S	Geotech: RQD	Rec	Sulphide 0 - 20 % py : cpy : po	Alteration: SKRN	PROP	EPI	CHL	SILI	Point Notes	contacts	Lithology: Unit	Description
120																	
130																	
140																	
150																	
160																	
170																	
180																	
190																	
200																	
210																	

Point Notes
- bedding @ 60
- bedding @ 55

Assay Results

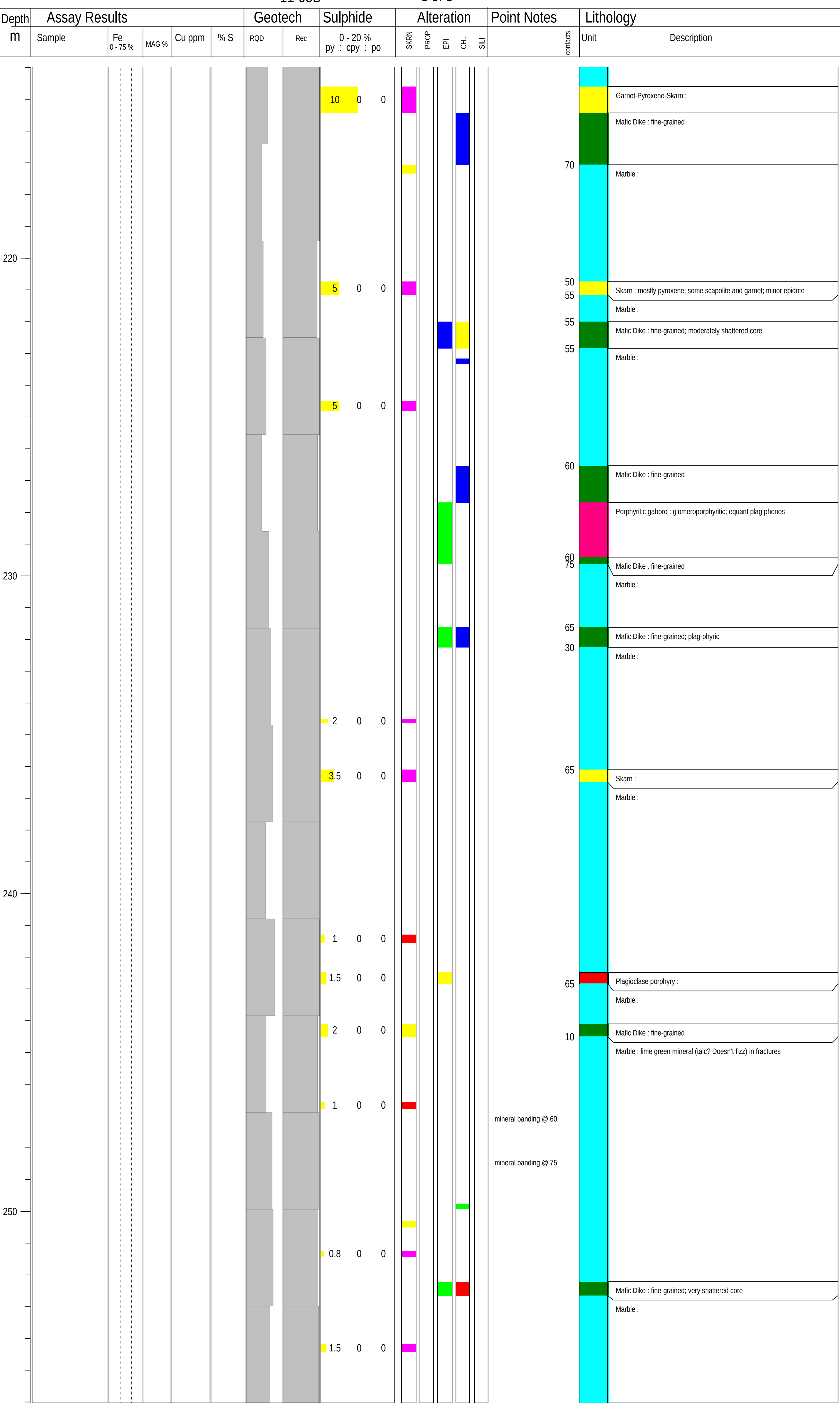
Sample	Fe	Cu ppm	% S
G0791614	5.3	73.1	1.9
G0791615	8.1	705.0	2.1

Sulphide (py : cpy : po)

py	cpy	po
0.6	0	0
1	0	0.7
1	0	0
2.5	0	0
0.8	0	0
2	0	0
3	0	0
3.5	0	0
3.5	0	0
1	0	0
0.8	0	0
5	0	0
8	0	0
2.5	0	0
1	0	0
3.5	0	0
4	0	0
7	0	0
10	0	0
2.5	0	0

Lithology

contacts	Description
	Plagioclase porphyry : quite fresh, unaltered
	Marble :
	Mafic Dike : fine-grained; plag-phyric
	Marble :
70	Mafic Dike : fine-grained; quite fresh
80	Marble : some vugs present; organic matter infill
	Mafic Dike : fine-grained; plag-phyric
	Marble : some vugs present w/ calcite infill
	Mafic Dike : fine-grained
65	Marble :
82	Plagioclase porphyry :
	Marble :
75	Mafic Dike : fine-grained
70	Marble :
75	Mafic Dike : fine-grained; plag-phyric
70	Marble :
55	Skarn :
	Marble :
	Porphyritic gabbro :
	Marble :
	Skarn :
75	Marble :
	Porphyritic gabbro :
	Marble :
60	Skarn :
45	Marble :
65	Mafic Dike : fine-grained
	Marble :
	Skarn :
15	Marble :
	Mafic Dike : fine-grained
	Marble :
	Mafic Dike : fine-grained
	Marble :
	Mafic Dike : fine-grained; moderately shattered core
35	Marble :
55	Mafic Dike : fine-grained
60	Marble :
55	Mafic Dike : fine-grained; very shattered core
60	Marble :
60	Epidote-Skarn :
85	Marble :
65	Mafic Dike : fine-grained; plag-phyric; shattered core
75	Marble :
80	Mafic Dike : fine-grained; plag-phyric
50	Marble :
60	Plagioclase porphyry :
	Marble :



Legend

Scale: 1:100

Lithology Units
- Drill Casing / Overburden
- Dacite
- Ore Zone
- Skarn Zone
- Plagioclase Porphyry Sills/Dikes
- Felsic Intrusive
- Mafic Intrusive
- Mafic Volcanic
- Carbonate

Alteration

Types

SKRN: Skarn; gt, pyx, +/-ep, +/-sulphide

PROP: Propylitic; ep, clor, py, ser

EPI: Epidotic; ep

CLOR: Chloritic; clor, ser

SILI: Silicifacation; qtz, silica polymorphs

Intensity
- 1 Local, Confined to viens
- 2 In and around viens
- 3 Patchy, Penetrated into rock,but some of rock remains unaltered
- 4 Pervasive, All of the rock is altered, but fabric remains
- 5 Ubiquitous, fabric is obliterated by alteration

PACIFIC IRON ORE CORPORATION

Project: Pearson	Northing: 5391262	Logged By: Alexis Eapen	
Drillhole: 11-02B	Easting: 388789	Collar Dip: -50	
Start Date: 10/04/2011	Elevation: 462 m	Azimuth: 200	
End Date: 17/04/2011	Projection: NAD 83 UTM 10N	Total Depth: 554.74	
		Core Size: NQ2	

Depth (m) 20 – 130

Assay Results

Sample	Fe (0 - 75 %)	MAG %	Cu ppm	% S
G0791573	8.6		626.0	2.5
G0791574	5.6		443.0	1.5
G0791575	7.1		289.0	1.4
G0791576	5.3		83.8	2.0
G0791577	4.9		45.4	0.3
G0791578	4.9		52.7	0.4
G0791579	5.0		38.1	0.6

Geotech: RQD, Rec

Sulphide (0 - 20 %)

py	cpy	po
3	0	0
2	0	0
4	0	0
3.5	0	0
3	0	0
1.5	0	0
0.8	0	0

Alteration: SKRN, PROP, EPI, CLOR, SILI

Point Notes

Lithology

contacts	Unit : Description
	Casing : made up of glacial till; boulders of plag porph, qtz-hbl-diorite & Mafic dike
	Marble :
	Mafic Dike : fine-grained
	Skarn : minor angular fragments of mafic dike; mostly emerald green pyroxene, w/ minor epidote, garnet
	Mafic Dike : fine-grained; moderately shattered, skarned
	Skarn : mostly emerald green pyroxene, w/ minor epidote, garnet
	Mafic Dike : fine-grained
	Marble :
75	Plagioclase porphyry :
	Marble :
80	Plagioclase porphyry : quite skarn altered
	Marble :
	Plagioclase porphyry : quite skarn altered
	Marble :
	Skarn : mafic dike protolith
	Marble :
	Skarn : very shattered core
	Marble :
	Mafic Dike : fine-grained; shattered core
	Marble :
	Mafic Dike : fine-grained
50	Marble :
45	Garnet-Pyroxene-Skarn :
	Marble :
30	Plagioclase porphyry :
	Marble :
	Skarn :
	Marble :
	Skarn :
	Marble :
40	Mafic Dike : fine-grained
	Marble : little vugs and pits throughout
	Mafic Dike : coarser-grained than previous
	Marble :
	Skarn : mafic dike protolith; diopside, garnet, epidote present
	Marble :
65	Skarn : diopside, minor epidote and garnet present
	Marble :
50 50	Mafic Dike : fine-grained
	Marble :
50 45	Mafic Dike : fine-grained
	Marble :

Depth m	Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S
	G0791580	5.8		81.4	0.3
	G0791581	5.4		9.8	0.1
	G0791582	4.7		29.4	2.4

Geotech: RQD, Rec

Sulphide 0 - 20 %: py : cpy : po

py	cpy	po
2.5	0	0
1	0	0
2	0	0
3.5	0	0
4	0	0
1	0	0
3	0	0
3	0	0
1	0	0
0.5	0	0
0.5	0	0
3.5	0	0
1	0	0
1	0	0
1	0	0
3	0	0
1.5	0	0
3	0	0
3	0	0
2	0	0
2.5	0	0
4	0	0

Alteration: SKRN, PROP, EPI, CHL, SILI

Point Notes

Depth: 140, 150, 160, 170, 180, 190, 200, 210, 220, 230, 240

Lithology

contacts	Unit / Description
	Mafic Dike : fine-grained
	Marble :
30	Skarn : epidote and garnet present; Mafic dike protolith
	Marble :
35	Mafic Dike : fine-grained
	Marble :
30	Mafic Dike : fine-grained; shattered core
55	Marble :
25	Mafic Dike : fine-grained
15	Marble :
15	Mafic Dike : fine-grained
	Marble :
30	Skarn : mafic dike protolith
	Marble :
	Mafic Dike : fine-grained
	Marble :
45	Mafic Dike : fine-grained; brecciated
	Marble :
35	Mafic Dike : fine-grained; plag-phyric; highly recrystallized in some areas
45	Marble :
60	Mafic Dike : fine-grained; moderately shattered
	Marble :
45	Mafic Dike : fine-grained; moderately shattered
	Marble :
	Mafic Dike : fine-grained
55	Marble :
	Mafic Dike : fine-grained
	Marble :
	Mafic Dike : fine-grained
	Marble :
	Skarn : garnet, pyroxene and minor epidote present; mafic dike protolith
	Mafic Dike : fine-grained
	Marble :
	Mafic Dike : fine-grained
15	Marble :
	Skarn : diopside, minor epidote, garnet present
	Marble :
	Skarn : mostly diopside, minor epidote; moderately shattered
	Mafic Dike : fine-grained; moderately shattered
60	Marble :
	Mafic Dike : fine-grained; moderately shattered
	Marble : from 238.68-244.28: marble doesn't fizz, possibly marble replaced by anhydrite/gypsum? Core is soft (~2.5-3.0 hardness); from 244.28-253.94: marble is highly silicified, calcite in fractures only

Depth m	Assay Results					Geotech		Sulphide	Alteration					Point Notes	Lithology		
	Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S	RQD	Rec	0 - 20 % py : cpy : po	SKRN	PROP	EPI	CHL	SILI		contacts	Unit	Description

Assay Results

Sample	Fe	MAG %	Cu ppm	% S
G0791583	0.1		2.3	11.0
G0791584	8.9		177.0	7.5
G0791585	8.7		176.0	7.3
G0791586	[illegible]		45.5	8.1
G0791587	6.1		60.5	0.3
G0791588	5.4		9.7	0.3
G0791589	5.7		260.0	3.2
G0791590	5.9		115.5	1.1
G0791591	8.8		244.0	0.8
G0791592	6.2		59.9	1.0
G0791593	42.6		783.0	0.2
G0791594	16.2		[illegible]	1.0

Depth markers

250, 260, 270, 280, 290, 300, 310, 320, 330, 340, 350

Sulphide (py : cpy : po)

py	cpy	po
5	0	0
5	0	0
10	0	0
2	0	0
1	0	0
15	0	0
7	0	0
8	0	0
5	0	0
1.5	0	0
1.5	0	0
0.8	0.5	0
0.5	0	0

Lithology

contacts	Description
35	Mafic Dike : fine-grained; plag-phyric
	Skarn : mostly diopside, epidote, minor garnet
	Marble : silicified, calcite in fractures
65	Porphyritic gabbro : equant plag phenocrysts; from 270.7-271.0 minor mt in fractures
25	Marble : silicified
	Massive Magnetite : minimal sulphides, only at contacts
10	Marble : silicified
20	Porphyritic gabbro : highly altered, but still can see plag phenos
35	Marble : silicified
	Mafic Dike : fine-grained; moderately shattered
35	Marble : silicified
35	Porphyritic gabbro : equant plag phenos
	Skarn :
	Marble : silicified
35	Mafic Dike : fine-grained; moderately shattered
	Marble : not altered, fizzes
30	Plagioclase porphyry : altered pervasively by black mineral (possibly tourmaline? ~7 hardness)
	Marble : not altered, fizzes
	Mafic Dike : highly altered
	Marble : not altered, fizzes
70	Mafic Dike :
	Marble : not altered, fizzes until 298.83; silicified from 298.83-299.07
70	Porphyritic gabbro :
85	Marble : silicified
45	Mafic Dike : fine-grained; plag-phyric
	Marble : silicified until 323.12m; then marble is not altered and fizzes
	Mafic Dike : highly shattered core
	Marble : not altered, fizzes
	Mafic Dike : highly altered, brecciated; highly shattered core
20	Marble : not altered, fizzes
	Mafic Dike : fine-grained, highly altered
	Marble : not altered, fizzes
45	Mafic Dike : fine-grained
70	Marble :
	Mafic Dike : highly shattered core; mt in fractures
	Marble :
15	Porphyritic gabbro : mt in fractures
	Massive Magnetite : garnetite in some fractures
	Skarn : garnetite
	Porphyritic gabbro :
55	Marble :

Depth m	Assay Results: Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S
360					
370					
380					
	G0791595	6.7		48.6	4.9
390					
400					
410					
	G0791596	7.7		245.0	3.8
	G0791597	4.6		132.0	1.5
420					
430					
440					
450					
460					
470					

Geotech: RQD | Rec

Sulphide 0 - 20 %

py	cpy	po
1.5	0	0
5	0	0
3	0	0
2	0	0
3	0	0
1.5	0	0

Alteration: SKRN | PROP | EPI | CHL | SILI

Point Notes

Lithology

contacts	Unit	Description
		Plagioclase porphyry :
20		Marble : from 381.70m - 382.29m, gypsum in fractures
30		Plagioclase porphyry :
45		Marble :
30		Skarn : brecciated; moderately shattered
55		Plagioclase porphyry :
70		Marble : silicified from 386.97-396.43; from 394.15-395.15, mafic dike skimming parallel to core
55		Mafic Dike : highly-altered, shattered
45		Marble :
		Skarn : brecciated; very shattered core
25		Marble :
45		Mafic Dike : fine-grained; moderately shattered
		Marble :

Legend

Lithology Units
- Drill Casing / Overburden
- Dacite
- Ore Zone
- Skarn Zone
- Plagioclase Porphyry Sills/Dikes
- Felsic Intrusive
- Mafic Intrusive
- Mafic Volcanic
- Carbonate

Alteration

Types

SKRN: Skarn; gt, pyx, +/-ep, +/-sulphide

PROP: Propylitic; ep, clor, py, ser

EPI: Epidotic; ep

CLOR: Chloritic; clor, ser

SILI: Silicifacation; qtz, silica polymorphs

Intensity
- 1 Local, Confined to viens
- 2 In and around viens
- 3 Patchy, Penetrated into rock,but some of rock remains unaltere
- 4 Pervasive, All of the rock is altered, but fabric remains
- 5 Ubiquitous, fabric is obliterated by alteration

Scale: 1:100

PACIFIC IRON ORE CORPORATION

Project:	Pearson	Northing:	5391158	Logged By:	Alexis Eapen
Drillhole:	11-01B	Easting:	388876	Collar Dip:	-55
Start Date:	05/04/2011	Elevation:	457 m	Azimuth:	210
End Date:	10/04/2011	Projection:	NAD 83 UTM 10N	Total Depth:	484.63
				Core Size:	NQ2

Depth m	Assay Results: Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S	Geotech: RQD	Rec	Sulphide 0 - 20 % py : cpy : po	Alteration: SKRN	PROP	EPI	CLOR	SILI	Point Notes	contacts	Lithology: Unit	Description

Depth scale: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Sulphide (py : cpy : po)	Point Notes	contacts	Lithology Description
			Casing : made of plag porphyry, marble boulders, sand and gravel, glacial till
			Marble : core is moderately shattered
			Plagioclase porphyry : sub-equant plag phenos, core is very shattered
			Marble : highly skarned (scapolite)
			Plagioclase porphyry : sub equant plag phenos, core is very shattered
			Marble :
			Plagioclase porphyry : sub equant plag phenos, core is very shattered
			Marble : lots of fractures and vugs present; water infiltration
		60	Plagioclase porphyry : sub-rounded plag phenos; glomeroporphyritic; moderately shattered
			Marble : lots of fractures and vugs present; water infiltration
2 : 0 : 0			Skarn : plag porphyry protolith; epidote, scapolite, garnet present
			Marble : lots of fractures and vugs present; water infiltration
		60	Plagioclase porphyry : sub equant plag phenos; glomeroporphyritic
		60	Marble : lots of fractures and vugs present; water infiltration
1 : 0 : 0			Plagioclase porphyry : equant plag phenos; glomeroporphyritic in some areas
			Marble : lots of fractures and vugs present; water infiltration
			Plagioclase porphyry : sub-rounded plag phenos; moderately shattered core
			Marble : lots of fractures and vugs present; water infiltration
			Plagioclase porphyry : equant plag phenos, core is very shattered
	mt in fracture		Marble : lots of fractures and vugs present; water infiltration; clay bands present in some fractures
		45	Plagioclase porphyry : core is very shattered; sub-rounded to sub-equant plag phenos
			Marble : lots of fractures and vugs present; water infiltration; clay bands present in some fractures
		30	Plagioclase porphyry : sub-rounded plag phenos; moderately shattered core
			Marble : lots of fractures and vugs present; water infiltration; clay bands present in some fractures

Depth m	Assay Results: Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S	Geotech: RQD	Rec	Sulphide 0 - 20 % py : cpy : po	Alteration: SKRN	PROP	EPI	CHL	SILI	Point Notes	contacts	Lithology: Unit	Description
110																	
															40		Plagioclase porphyry : equant plag phenos; glomeroporphyritic
																	Marble : lots of fractures and vugs present; water infiltration; clay bands present in some fractures; from 131m onwards, low recovery and very shattered, lots of silt/clay layers; from 133.2 to 136.86 cave ins
120																	
130																	
																	Mafic Dike : fine-grained; very shattered; quite fresh
																	Marble : core is mostly gougey
140																	
																	Mafic Dike : fine-grained; very shattered core
																	Marble : moderately shattered core; highly fractured, minor areas of gouge; low recovery; some mafic dike pebbles in core
																	Mafic Dike : fine-grained; very shattered; low recovery mixed in with minor amounts of shattered marble
150																	
																	Marble : moderately shattered core; highly fractured, minor areas of gouge; low recovery; some mafic dike pebbles in core
160																	
								2 0 0									Mafic Dike : fine-grained; skarned; brecciated; moderately shattered
																	Marble : moderately shattered core; highly fractured, minor areas of gouge; pits, vugs, fractures and areas of water infiltration visible
170																	
180																	Mafic Dike : fine-grained
	G0791551	6.1		81.1	0.6												
								1.5 0 0									
																	Marble : moderately shattered core; highly fractured, minor areas of gouge; pits, vugs, fractures and areas of water infiltration visible
190																	
200																	

Depth m	Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S	Sulphide 0 - 20 % py : cpy : po
	G0791552	5.7		120.5	0.4	1 : 0 : 0
	G0791553	1.3		22.0	0.6	
	G0791554	3.5		88.0	1.2	2 : 0 : 0
						3 : 0 : 0
	G0791555	4.9		57.0	1.5	3 : 0 : 0
	G0791556	6.5		58.8	0.5	
	G0791557	5.9		11.8	1.8	
	G0791558	5.9		50.1	0.3	

Depth m: 210, 220, 230, 240, 250, 260, 270, 280, 290, 300

Geotech: RQD, Rec

Alteration: SKRN, PROP, EPI, CHL, SILI

Point Notes

contacts	Lithology Unit / Description
75	Plagioclase porphyry : highly altered; brecciated; sub-rounded plag phenos
60	Marble : more competent; less fractures, vugs and water infiltration
	Skarn : brecciated skarn; scapolite, epid, clor, gt, diop present
	Marble : more competent; less fractures, vugs and water infiltration
65	Skarn : brecciated
	Marble :
40	Mafic Dike : fine-grained; brecciated
10	Marble :
65	Horneblende-Pyroxene-Feldspar-Gabbro : acicular hornblende crystals; sub rounded feldspar and pyroxene phenos
40	Marble : gypsum in fractures
	Plagioclase porphyry : core is shattered
30	Marble : gypsum in fractures, and tiny vugs/pits
45	Porphyritic gabbro : sub-equant plag phenos
45	Marble : minimal or no gypsum
50	Mafic Dike : fine-grained; brecciated
	Marble :

Depth m	Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S
	G0791559	4.6		19.2	1.7
	G0791560	9.4		213.0	2.4
	G0791561	15.5		89.3	1.4
	G0791562	18.0		128.0	1.3
	G0791563	7.5		90.2	1.9
	G0791564	35.5		396.0	7.4
	G0791565	7.8		5.5	0.2
	G0791566	43.5		145.0	3.1
	G0791567	6.1		33.3	0.7
	G0791568	5.1		15.2	0.2

Depth scale: 310, 320, 330, 340, 350, 360, 370, 380, 390, 400, 410

Geotech: RQD, Rec

Sulphide 0 - 20 %

py	cpy	po
1	0	0
3	0	0
1	0	0
1.5	0	0
10	0	0
2	0	0

Alteration: SKRN, PROP, EPI, CHL, SILI

Point Notes:

3cm mt vein @ 20

3cm mt blob

Lithology

contacts	Unit	Description
		Mafic Dike : fine-grained; plag-phyric
		Marble :
		Mafic Dike : fine-grained; brecciated
25		Marble :
		Skarn : mostly pale green diopside; mafic dike protolith?
		Marble :
		Massive Magnetite :
		Skarn : mostly diopside, minor garnet, epidote; Mafic dike protolith
		Marble :
		Massive Magnetite :
		Skarn : mostly diopside, minor epidote, scapolite, garnet; mafic dike protolith
		Marble :
15		Mafic Dike : fine-grained; plag-phyric
35		Marble :
		Porphyritic gabbro : equant plag phenos (2-4mm in size)
25		Marble :
		Mafic Dike : fine-grained
15		Marble :
		Mafic Dike : fine-grained
		Marble : from 349.22 to 349.44; mt present, likely selective replacement of something in marble
		Skarn : mostly pale green diopside; w/ minor epidote; minor magnetite present in fractures
		Massive Magnetite :
		Skarn : mostly pale green diopside; w/ minor epidote; minor magnetite present in fractures
		Marble :
25		Porphyritic gabbro : minor mt in fractures; plag phenos equant to sub-equant (2-4mm in size)
		Marble :
45		Mafic Dike : fine-grained; plag-phyric
65		Marble :
		Mafic Dike : fine-grained; plag-phyric
40		Marble :
55		Mafic Dike : fine-grained; plag-phyric
		Marble :
		Porphyritic gabbro :
65		Marble :
		Mafic Dike : fine-grained
		Marble :
75		Porphyritic gabbro : could be altered fine-grained mafic dike
55		Marble :
5		Mafic Dike : fine-grained; plag-phyric
		Marble :
		Mafic Dike : fine-grained; plag-phyric
20		Marble :
		Mafic Dike : fine-grained
		Marble :
75		Mafic Dike : fine-grained
		Marble :
		Porphyritic gabbro : equant to sub-equant plag phenos (~2-4mm in size)
		Mafic Dike : microgabbro? Fine to med- grained; Plag-phyric
40		Porphyritic gabbro : equant to sub-equant plag phenos (~2-4mm in size)
		Marble :
		Porphyritic gabbro : equant to sub-equant plag phenos (~2-4mm in size)
		Marble : gypsum in fractures and little vugs/pits

Legend

Scale: 1:100

Lithology Units

- Drill Casing / Overburden
- Dacite
- Ore Zone
- Skarn Zone
- Plagioclase Porphyry Sills/Dikes
- Felsic Intrusive
- Mafic Intrusive
- Mafic Volcanic
- Carbonate

Alteration

Types

- SKRN: Skarn; gt, pyx, +/-ep, +/-sulphide
- PROP: Propylitic; ep, clor, py, ser
- EPI: Epidotic; ep
- CLOR: Chloritic; clor, ser
- SILI: Silicifacation; qtz, silica polymorphs

Intensity

- 1 Local, Confined to viens
- 2 In and around viens
- 3 Patchy, Penetrated into rock,but some of rock remains unaltered
- 4 Pervasive, All of the rock is altered, but fabric remains
- 5 Ubiquitous, fabric is obliterated by alteration

PACIFIC IRON ORE CORPORATION

Project: Pearson	Northing:5390988	Logged By: Alexis Eapen and Kyle Karlzen	
Drillhole: 11-17B	Easting:388600	Collar Dip: -60	
Start Date: 06/06/2011	Elevation:530 m	Azimuth: 220	
End Date: 10/06/2011	Projection: NAD 83 UTM 10N	Total Depth: 399.9	
		Core Size: NQ2	

Depth (m) | Assay Results | Geotech | Sulphide | Alteration | Point Notes | Lithology

Assay Results

Sample	Fe (0 - 75 %)	MAG %	Cu ppm	% S
G0792648	6.3		88.5	0.1
G0792649	11.8		6050.0	1.4
G0792650	41.2		3640.0	0.6
G0792651	11.9		1025.0	0.2
G0792652	4.8		9.1	0.0

Geotech: RQD, Rec

Sulphide (0 - 20 %)

py	cpy	po
0.5	0	0
1	1	0
1	0.8	0
0.5	1.5	0

Alteration: SKRN, PROP, EPI, CLOR, SILI

Depth: 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100

Lithology

contacts	Unit : Description
	Casing : made up of mafic dike and qtz-biot-diorite boulders
	qtz-biotite-diorite : coarse-grained; shattered core
	Mafic Dike : fine-grained; plag-phyric
	Plagioclase porphyry :
	qtz-biotite-diorite : coarse-grained
25 25	Mafic Dike : fine-grained; quite fresh; unaltered
	qtz-biotite-diorite : coarse-grained
15	Mafic Dike : fine-grained; moderately shattered core; plag-phyric; quite fresh
	qtz-biotite-diorite : coarse-grained; very minor mt in fractures
28 50	Plagioclase porphyry : sub-equant plag phenos; glomeroporphyritic; weakly to moderately magnetic
	qtz-biotite-diorite : highly skarned
	Mafic Dike : fine-grained
	Skarn : mostly garnetite; w/ some epidote, scapolite; mt in fractures
	Magnetite-Skarn : disseminated mt + garnet-skarn
	Massive Magnetite :
	Skarn : w/ minor disseminated mt throughout; mostly pyroxene, scapolite; some epidote, garnet
	qtz-biotite-diorite : coarse-grained
	Mafic Dike : fine-grained
	qtz-biotite-diorite : coarse-grained
10	Basalt : amygdules present; weakly to moderately magnetic
	Plagioclase porphyry : sub-equant plag phenos
	Basalt : fine-grained; amygdules present; weakly to moderately magnetic
	qtz-biotite-diorite : coarse-grained
40	Basalt : fine-grained; amygdules present; weakly to moderately magnetic
35	qtz-biotite-diorite : coarse-grained
20	Mafic Dike : fine-grained; plag-phyric; almost porphyritic in some areas
70	qtz-biotite-diorite : coarse-grained
	Mafic Dike : fine-grained; quite fresh
	qtz-biotite-diorite : coarse-grained
75 80	Plagioclase porphyry :
	qtz-biotite-diorite : coarse-grained; very minor mafic segregations that are weakly magnetic
	Hbl-Diorite : coarse-grained; weakly-moderately magnetic
85	qtz-biotite-diorite : coarse-grained
70	Mafic Dike : fine-grained; hbl- and plag-phyric; weakly-moderately magnetic
	qtz-biotite-diorite : coarse-grained; minor weakly magnetic mafic segregations

Depth m	Assay Results: Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S	Geotech: RQD	Rec	Sulphide 0 - 20 %: py	cpy	po	Alteration: SKRN	PROP	EPI	CHL	SILI	Point Notes	contacts	Lithology: Unit	Description

Depth m
110
120
130
140
150
160
170
180
190
200

Sample	Fe	Cu ppm	% S
G0792653	3.3	182.0	0.1
G0792654	10.1	14.2	0.0
G0792655	9.4	53.3	0.2
G0792656	10.9	48.0	0.3
G0792657	10.2	10.9	0.1
G0792658	2.9	12.1	0.1

py	cpy	po
0.3	0	0
0.2	0	0
0.5	0	0
0.7	0	0
4	0	0

contacts	Description
	Plagioclase porphyry : moderately shattered core; sub-equant plag phenos
	qtz-biotite-diorite : coarse-grained; weakly magnetic mafic segregations
	Mafic Dike : fine-grained; plag- and hbl-phyric; weakly magnetic
	qtz-biotite-diorite : coarse-grained; weakly magnetitc
44	Mafic Dike : fine-grained; possibly dacite? Weakly magnetic
	qtz-biotite-diorite : coarse-grained; weakly magnetic
	Plagioclase porphyry : glomeroporphyritic; weakly magnetic
62	qtz-biotite-diorite : from 120.31-126.07m and 130.26-134.89m: fluid infiltration, silica dissolution? No qtz grains left 126.07-130.26: moderately shattered core
47	Plagioclase porphyry : shattered core; sub-equant plag phenos; glomeroporphyritic
	qtz-biotite-diorite : coarse-grained
	Mafic Dike : fine-grained; shattered core; quite recrystallized in some areas; minor qtz-biot-diorite fingers present
	qtz-biotite-diorite : coarse-grained; shattered core
	Mafic Dike : fine-grained; shattered core; minor qtz-biot-diorite fingers
	qtz-biotite-diorite : coarse-grained
	Mafic Dike : highly altered; very very shattered core
	Skarn : mostly garnet, some pyroxene; minor epidote
	qtz-biotite-diorite : highly skarn altered
	Plagioclase porphyry : different from previous plag porphs; plag phenos are smaller, sub-rounded (~1-2mm)
	qtz-biotite-diorite : quite altered; bleached looking
	Skarn : mostly pyroxene, epidote, garnet; minor scapolite
	qtz-biotite-diorite : coarse-grained
	Skarn : mostly garnet; some pyroxene; minor epidote; minor mt bleb at 164.70m
20	qtz-biotite-diorite : coarse-grained
	Skarn : mostly garnet, epidote; some pyroxene; qtz-biot-diorite protolith
46	qtz-biotite-diorite : coarse-grained; highly silicified
	Mafic Dike : fine-grained
	qtz-biotite-diorite : coarse-grained; some irregular plag porphyry fingers near to top contact; mafic segregations throughout
	Plagioclase porphyry : smallersub-rounded plag phenos (~1-2mm);
	qtz-biotite-diorite : coarse-grained; minor magnetic mafic segregations present
	Mafic Dike : fine-grained; plag-phyric
	qtz-biotite-diorite : coarse-grained

Depth m	Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S	Sulphide (0 - 20 %) py : cpy : po
210						
220						
230						
240						
250						
260						
	G0792659	9.4		26.3	0.0	
270						
	G0792660	6.6		3.5	0.0	
	G0792661	7.1		23.4	0.1	
	G0792662	7.9		43.7	0.2	
280						
	G0792663	5.6		51.4	1.9	
	G0792664	11.8		39.7	0.7	
	G0792665	6.6		96.4	1.6	
	G0792666	8.2		460.0	0.9	0.8 : 0.5 : 0
	G0792667	48.1		292.0	1.2	
	G0792668	63.0		833.0	5.1	2 : 0.3 : 4
	G0792669	1.7		26.3	0.2	
290						
300						
	G0792671	4.8		89.1	0.8	
	G0792672	40.2		248.0	0.5	2 : 0 : 0
	G0792673	3.4		26.6	0.3	

Geotech: RQD, Rec

Alteration: SKRN, PROP, EPI, CHL, SILI

Point Notes

contacts	Lithology: Unit / Description
70	Plagioclase porphyry : sub-rounded plag phenos
	qtz-biotite-diorite : shattered then annealed; very silicified
	Mafic Dike : fine-grained; plag-phyric; weakly magnetic; shattered core
	qtz-biotite-diorite : coarse-grained; w/ minor mafic segregations
	Mafic Dike : fine-grained; minor qtz-biot-diorite fingers nearer to top contact
12	qtz-biotite-diorite : coarse-grained; w/ minor mafic segregations
48	Plagioclase porphyry : glomeroporphyritic; very silicified
	Epidote-Skarn : mostly epidote; minor scapolite, pyroxene
40	qtz-biotite-diorite : dioritic in composition in some areas
	Mafic Dike : fine-grained
	qtz-biotite-diorite : coarse-grained
	Mafic Dike : fine-grained
	Skarn : minor remnants of mafic dike; some clasts present; mostly pyroxene, garnet; some epidote
	qtz-biotite-diorite : coarse-grained
	Mafic Dike : fine-grained; moderately shattered core
	Plagioclase porphyry : very shattered core
	Mafic Dike : fine-grained; moderately shattered core
	qtz-biotite-diorite : coarse-grained
	Mafic Dike : fine-grained;
	qtz-biotite-diorite : coarse-grained; shattered core
	Skarn : mostly pyroxene, garnet, epidote; minor mt bleb @ 265.70m
	qtz-biotite-diorite : coarse-grained
	Epidote-Skarn : mostly epidote; minor garnet, scapolite
	Mafic Dike : fine-grained; w/ minor mt in fractures
	Skarn : very light blue-green pyroxene; minor epidote
	Marble : 281.10m-281.50m: dissem mt throughout; 15%mt; minor mt veined/disseminated
45	Mafic Dike : fine-grained; mt in veins
	Massive Magnetite :
	Mafic Dike : fine-grained; very shattered core; very low recovery
	Massive Magnetite :
54	Marble :
	Mafic Dike : fine-grained
51	Marble :
39	Mafic Dike : very shattered core
	Marble :
21	Mafic Dike : fine-grained
	Marble : minor mt stringers near bottom contact
52	Massive Magnetite :
	Marble : minor mt stringers present

Depth m	Sample	Fe 0 - 75 %	MAG %	Cu ppm	% S
	G0792674	45.6		142.0	0.9
	G0792675	0.6		7.7	0.1
	G0792676	6.3		209.0	0.9
	G0792677	23.5		6960.0	11.0
	G0792678	7.8		414.0	0.8
360	G0792679	10.4		31.2	0.1
370	G0792680	8.9		1080.0	0.8
	G0792681	8.3		103.0	0.2

Geotech: RQD, Rec

Sulphide 0 - 20 % py	cpy	po
1.5	0	0
2.5	0	0
3	0.3	3

Alteration: SKRN, PROP, EPI, CHL, SILI

Point Notes

Depth m: 310, 320, 330, 340, 350, 360, 370, 380, 390

Lithology

contacts	Unit / Description
	Massive Magnetite :
	Marble :
25	Mafic Dike : fine-grained
40	Marble :
35	Basalt : fine-grained; amygdules present
50	Plagioclase porphyry : plag-hbl-porphyry; quite fresh; acicular hbl phenos; small rounded plag phenos
40	Basalt : fine-grained; amygdules present
30	Marble :
25	Plagioclase porphyry : plag-hbl-porphyry; acicular hbl phenos; small rounded plag phenos
20	Marble :
55	Skarn : likely marble protolith; mostly pyroxene, epidote; some garnet, scapolite
25	Marble :
	Plagioclase porphyry : highly skarn altered
60	Marble :
	Magnetite-Skarn : mt + pyroxene-skarn
	Basalt : fine-grained
	Garnet-Pyroxene-Skarn : gt>pyx; minor epidote
	Basalt : fine-grained; amygdules present
	Garnet-Pyroxene-Skarn : mostly garnet; some pyroxene; minor epidote
38	qtz-biotite-diorite : could be very silicified marble; could possibly be a sandstone layer in marble that has been metamorphosed
40	Horneblende-Pyroxene-Feldspar-Gabbro : sub-equant phenos
70	Plagioclase porphyry : sub-equant plag phenos
	Skarn : likely plag porphyry protolith; mostly garnet, pyroxene, epidote
	Plagioclase porphyry : plag-hbl-porphyry; acicular hbl phenos; sub-rounded plag phenos
	Skarn : likely plag porphyry protolith; mostly pyroxene, garnet, epidote
	Basalt : fine-grained
	Skarn : mostly garnet, pyroxene; some epidote, minor scapolite
	Basalt : fine-grained
	Skarn : mostly garnet; some pyroxene, epidote
	Basalt : fine-grained; amygdules present
	Plagioclase porphyry :
80	Basalt : fine-grained; amygdules present; from 390.14-394.91m: weakly to moderately magnetic
	Plagioclase porphyry :
	Basalt : fine-grained; weakly to moderately magnetic

Legend

Scale: 1:100

Lithology Units
- Drill Casing / Overburden
- Dacite
- Ore Zone
- Skarn Zone
- Plagioclase Porphyry Sills/Dikes
- Felsic Intrusive
- Mafic Intrusive
- Mafic Volcanic
- Carbonate

Alteration

Types
- SKRN: Skarn; gt, pyx, +/-ep, +/-sulphide
- PROP: Propylitic; ep, clor, py, ser
- EPI: Epidotic; ep
- CLOR: Chloritic; clor, ser
- SILI: Silicifacation; qtz, silica polymorphs

Intensity
- 1 Local, Confined to viens
- 2 In and around viens
- 3 Patchy, Penetrated into rock,but some of rock remains unaltered
- 4 Pervasive, All of the rock is altered, but fabric remains
- 5 Ubiquitous, fabric is obliterated by alteration

Appendix C

Sample Index of all 2010 Drill Core Samples with Selected Elements

Bugaboo drill core samples with selected elements

BH	Depth1	Depth2	Sample	Cert	Special	Au ppm	Ag ppm	Cu ppm	Fe %	Ni ppm	S %
11-01B	181.36	183.00	G0791551	VA11070691	brecciated MD	0	0.08	81.1	6.13	86.5	0.6
11-01B	217.54	218.17	G0791552	VA11070691	brecciated, skarned plag porph	0	0.1	120.5	5.7	50.1	0.4
11-01B	220.90	221.17	G0791553	VA11070691	mylonitic shear zone	0	0.11	22	1.27	10.6	0.6
11-01B	233.36	234.70	G0791554	VA11070691	brecciated skarn	0	0.11	88	3.49	22.1	1.2
11-01B	241.99	243.97	G0791555	VA11070691	brecciated skarned MD	0	0.11	57	4.87	18.3	1.5
11-01B	270.00	270.85	G0791556	VA11070691	plag porph	0	0.06	58.8	6.51	8.6	0.5
11-01B	291.85	292.07	G0791557	VA11070691	brecciated skarn	0	0.04	11.8	5.85	23.5	1.8
11-01B	298.00	298.55	G0791558	VA11070691	brecciated skarn	0	0.06	50.1	5.85	147	0.3
11-01B	324.95	325.29	G0791559	VA11070691	sheared skarn + mylonitic zone	0	0.06	19.2	4.6	4.1	1.7
11-01B	328.76	329.54	G0791560	VA11070691	skarn w/ minor mt	0.016	0.12	213	9.4	30.4	2.4
11-01B	329.89	330.80	G0791561	VA11070691	skarn w/ minor mt	0.016	0.11	89.3	15.5	22.4	1.4
11-01B	334.44	335.00	G0791562	VA11070691	skarned mafic dike w/ minor mt	0	0.12	128	18	29.3	1.3
11-01B	348.87	349.22	G0791563	VA11070691	mylonitic zone	0.013	0.08	90.2	7.45	55.2	1.9
11-01B	349.22	349.53	G0791564	VA11070691	brecciated mt + marble	0.066	0.3	396	35.5	47.4	7.4
11-01B	350.24	350.62	G0791565	VA11070691	skarn w/ minor mt (ore envelope)	0	0.03	5.5	7.8	9.7	0.2
11-01B	350.62	351.44	G0791566	VA11070691	mass mt	0.012	0.24	145	43.5	43.3	3.1
11-01B	351.44	351.73	G0791567	VA11070691	skarn (ore envelope)	0	0.05	33.3	6.05	16.7	0.7
11-01B	353.94	355.00	G0791568	VA11070691	porph gabbro	0	0.03	15.2	5.05	4.4	0.2
11-01B	411.38	411.61	G0791569	VA11070691	mylonitic zone	0.005	0.05	26.8	6.23	14.1	0.5
11-01B	425.38	426.12	G0791570	VA11070691	brecciated, highly altered porph gabbro	0	0.04	56.3	4.03	6.1	0.3
11-01B	426.12	426.72	G0791571	VA11070691	mylonitic zone	0.005	0.05	98	4.38	107	0.5
11-01B	440.00	441.00	G0791572	VA11070691	basalt	0.007	0.08	141	6.8	138.5	0
11-02B	31.07	33.00	G0791573	VA11070691	skarn	0.008	0.4	626	8.61	28	2.5

Bugaboo drill core samples with selected elements

BH	Depth1	Depth2	Sample	Cert	Special	Au ppm	Ag ppm	Cu ppm	Fe %	Ni ppm	S %
11-02B	37.00	39.00	G0791574	VA11070691	skarn	0.006	0.27	443	5.58	27.1	1.5
11-02B	39.00	41.00	G0791575	VA11070691	skarn	0	0.2	289	7.06	34.9	1.4
11-02B	90.90	92.00	G0791576	VA11070691	skarn	0	0.08	83.8	5.29	46.8	2
11-02B	108.50	109.12	G0791577	VA11070691	brecciated mafic dike	0	0.03	45.4	4.88	26.8	0.3
11-02B	110.00	111.00	G0791578	VA11070691	coaser-grained mafic dike	0	0.06	52.7	4.89	32.8	0.4
11-02B	114.85	116.03	G0791579	VA11070691	skarn	0	0.03	38.1	4.99	39.5	0.6
11-02B	178.63	179.53	G0791580	VA11070691	brecciated mafic dike	0	0.05	81.4	5.84	72	0.3
11-02B	209.00	210.00	G0791581	VA11070691	skarned mafic dike	0	0.03	9.8	5.36	21.5	0.1
11-02B	234.39	235.22	G0791582	VA11070691	skarn	0	0.08	29.4	4.68	15.4	2.4
11-02B	260.00	261.00	G0791583	VA11070691	silicified marble	0	0	2.3	0.11	2.1	11
11-02B	263.50	264.18	G0791584	VA11070691	skarn	0.005	0.13	177	8.91	66	7.5
11-02B	270.70	271.00	G0791585	VA11070691	porphyritic gabbro w/ mt	0.008	0.18	176	18.7	12	7.3
11-02B	271.00	271.33	G0791586	VA11070691	mass mt	0	0.14	45.5	39.9	3.4	8.1
11-02B	294.45	295.66	G0791587	VA11070691	altered mafic dike	0	0.05	60.5	6.06	82.9	0.3
11-02B	297.28	297.78	G0791588	VA11070691	brecciated, altered mafic dike	0	0.05	9.7	5.37	74.3	0.3
11-02B	332.73	333.68	G0791589	VA11070691	brecciated, altered mafic dike	0	0.13	260	5.72	21.4	3.2
11-02B	335.47	337.12	G0791590	VA11070691	altered mafic dike	0	0.11	115.5	5.91	19.5	1.1
11-02B	344.86	346.51	G0791591	VA11070691	Duplicae w/ G0791599; MD w/ mt in fracts	0	0.13	244	8.82	25.1	0.8
11-02B	344.86	346.51	G0791599	VA11070691	Duplicate w/ G0791591; MD w/ mt in fracts	0.007	0.19	289	8.18	26.7	1.1
11-02B	347.40	348.54	G0791592	VA11070691	porph gabbro w/ mt in fracts	0	0.09	59.9	6.18	7.1	1
11-02B	348.54	348.80	G0791593	VA11070691	mass mt	0	0.29	783	42.6	3.6	0.2
11-02B	348.80	349.00	G0791594	VA11070691	garnetite skarn; (ore envelope)	0	0.22	997	16.2	5.7	1
11-02B	385.24	386.01	G0791595	VA11070691	skarn	0	0.06	48.6	6.67	8.2	4.9

Bugaboo drill core samples with selected elements

BH	Depth1	Depth2	Sample	Cert	Special	Au ppm	Ag ppm	Cu ppm	Fe %	Ni ppm	S %
11-02B	413.44	414.53	G0791596	VA11070691	skarn	0.005	0.18	245	7.71	2.6	3.8
11-02B	414.53	416.96	G0791597	VA11070691	brecciated skarn	0	0.07	132	4.63	1.6	1.5
11-02B	471.00	472.30	G0791601	VA11070691	marble (ore envelope)	0	0.03	50.1	1.65	7.5	1.1
11-02B	472.30	472.83	G0791598	VA11070691	mt (brecciated)	0.008	0.21	245	36.8	6.6	0.5
11-02B	472.83	474.00	G0791602	VA11070691	marble (ore envelope)	0	0.03	21.4	1.34	1.9	0.6
11-02B	480.13	481.41	G0791600	VA11070691	skarn	0.005	0.13	225	5.04	93.2	2.2
11-02B	493.00	495.00	G0791603	VA11070691	magnetic basalt	0	0.06	93.6	8.37	855	0.2
11-02B	510.00	512.00	G0791604	VA11070691	magnetic basalt	0	0.04	77.8	7.26	155.5	0.1
11-02B	522.00	522.45	G0791605	VA11070691	magnetic basalt	0.008	0.12	282	6.14	62	0.7
11-02B	522.45	522.80	G0791606	VA11070691	mt + py stringers in basalt	0.038	0.66	2180	16.2	136	4.1
11-02B	547.00	549.00	G0791607	VA11070691	coarser-grained magnetic basalt	0	0.05	93.8	7.64	38.9	0.1
11-03B	88.75	89.06	G0791608	VA11070691	brecciated mafic dike	0.025	0.16	353	9.05	13	0.8
11-03B	89.06	90.82	G0791609	VA11070691	gt-px-skarn and mt-skarn	0.17	0.19	259	20.4	4.6	1.5
11-03B	90.82	92.23	G0791610	VA11070691	mostly gt-px-skarn w/ minor mt-skarn	0.022	0.08	88.7	13.2	13.8	0.3
11-03B	92.23	93.36	G0791611	VA11070691	mt-skarn	0	0.16	132.5	22.3	10.8	0.4
11-03B	93.36	94.20	G0791612	VA11070691	skarn (pyx>gt)	0	0.05	18.3	8.49	4.8	0.1
11-03B	94.20	96.00	G0791613	VA11070691	skarn (qbd proto?)	0	0.04	9.4	7.8	6.9	0
11-03B	149.90	150.30	G0791614	VA11070691	skarn	0	0.06	73.1	5.26	26.9	1.9
11-03B	153.66	154.29	G0791615	VA11070691	skarn	0.008	0.3	705	8.12	48.9	2.1
11-04B	37.88	38.65	G0791616	VA11070691	qtz-biot-diorite (ore envelope)	0	0.03	7.4	3.06	5.1	0.1
11-04B	38.65	40.00	G0791617	VA11070691	mass mt	0.022	0.59	1245	53.3	25.9	6.5
11-04B	40.00	42.00	G0791618	VA11070691	mass mt	0.005	0.32	1205	54.9	21.2	4.5
11-04B	42.00	43.64	G0791619	VA11070691	mass mt	0.011	0.4	716	56.5	9.5	3.8

Bugaboo drill core samples with selected elements

BH	Depth1	Depth2	Sample	Cert	Special	Au ppm	Ag ppm	Cu ppm	Fe %	Ni ppm	S %
11-04B	43.64	44.21	G0791620	VA11070691	mt-skarn	0.013	0.56	2240	25.6	17.7	5.8
11-04B	44.21	46.00	G0791621	VA11070691	mass mt	0	0.43	879	53.1	10.5	3.9
11-04B	46.00	48.00	G0791622	VA11070691	mass mt	0.015	0.4	833	59.1	13	4
11-04B	48.00	50.00	G0791623	VA11070691	mass mt	0.006	0.4	647	60.7	10.3	2.9
11-04B	50.00	50.92	G0791624	VA11070691	mass mt	0.006	0.44	815	63.6	11.1	4
11-04B	50.92	51.67	G0791625	VA11070691	mafic dike (inter-ore)	0	0.06	67.7	8.59	17	0.2
11-04B	51.67	53.00	G0791626	VA11070691	mass mt	0	0.38	552	62.3	9.8	3.1
11-04B	53.00	54.15	G0791627	VA11070691	mass mt	0.013	0.36	608	52.7	8.8	3.5
11-04B	54.15	56.00	G0791628	VA11070691	mafic dike w/ minor mass mt[20cm] (ore envelope)	0	0.1	114	12.4	9.9	0.6
11-04B	58.63	59.35	G0791629	VA11070691	mafic dike (ore envelope)	0	0.08	130	9.17	17.6	0.4
11-04B	59.35	61.14	G0791630	VA11070691	mass mt w/ small mafic dike	0	0.45	981	55.6	38.2	3.7
11-04B	61.14	61.40	G0791631	VA11070691	massive sulphide (pyrrhotite)	0.029	0.82	2350	55.4	255	11
11-04B	61.40	63.16	G0791632	VA11070691	porph gabbro (inter-ore)	0	0.05	262	6.32	9.2	0.5
11-04B	63.16	64.80	G0791633	VA11070691	mass mt	0.007	0.37	647	49.6	28.7	4.6
11-04B	64.80	67.00	G0791634	VA11070691	porph gabbro (inter-ore)	0	0.06	45	6.95	7.7	0.3
11-04B	67.00	68.18	G0791635	VA11070691	porph gabbro (inter-ore)	0	0.05	96	5.9	5.6	0.1
11-04B	68.18	69.34	G0791636	VA11070691	massive sulphide	0.017	0.56	2140	56.7	47.5	11
11-04B	69.34	70.33	G0791637	VA11070691	mass mt w/ minor mafic dike	0	0.49	2350	46.4	9.7	4.8
11-04B	70.33	72.00	G0791638	VA11070691	mass mt; Duplicate w/ G0791647	0.008	0.35	665	53.5	8.2	3.9
11-04B	70.33	72.00	G0791647	VA11070691	mass mt; Duplicate w/ G0791638	0.005	0.3	660	53	8.6	3.7
11-04B	72.00	73.05	G0791639	VA11070691	mass mt	0	0.34	870	53.1	12.8	3.9
11-04B	73.05	73.45	G0791640	VA11070691	mafic dike (inter-ore)	0	0.05	113.5	8.92	10	0.2

Bugaboo drill core samples with selected elements

BH	Depth1	Depth2	Sample	Cert	Special	Au ppm	Ag ppm	Cu ppm	Fe %	Ni ppm	S %
11-04B	73.45	74.13	G0791641	VA11070691	mass mt	0.009	0.52	2070	54.9	25	7.2
11-04B	74.13	75.82	G0791642	VA11070691	mass mt + inter-ore mafic dike	0	0.17	282	21.9	54.7	1.1
11-04B	75.82	78.00	G0791643	VA11070691	mass mt	0.006	0.32	563	55.9	11	3.5
11-04B	78.00	78.82	G0791644	VA11070691	mass mt	0.006	0.46	1835	51.3	24.9	7.5
11-04B	78.82	81.67	G0791645	VA11070691	hbl-pyx-feldspar gabbro (inter-ore)	0	0.09	176.5	9.26	16.6	0.7
11-04B	81.67	83.26	G0791646	VA11070691	mass mt w/ minor mafic dike	0.013	0.34	560	42.2	14.6	4.1
11-04B	83.26	85.00	G0791648	VA11070691	mass mt	0	0.31	372	61.1	11.4	2.2
11-04B	85.00	87.00	G0791649	VA11070691	mass mt	0.007	0.27	375	59.5	11	2.4
11-04B	87.00	88.03	G0791650	VA11070691	mass mt	0.006	0.33	600	62.4	13.8	3.3
11-04B	88.03	90.17	G0791651	VA11070691	porph gabbro (inter-ore)	0	0.08	120	8.91	8.2	0.7
11-04B	90.17	92.00	G0791652	VA11070691	mass mt w/ minor mafic dikes	0	0.25	399	52.6	11.7	2.2
11-04B	92.00	93.16	G0791653	VA11070691	mass mt	0	0.33	1085	50	15.6	4
11-04B	93.16	95.00	G0791654	VA11070691	mass mt; Duplicate w/ G0791665	0.006	0.38	629	53.7	16	5.1
11-04B	93.16	95.00	G0791665	VA11070691	mass mt; Duplicate w/ G0791654	0.006	0.32	757	49.4	16.6	4.8
11-04B	95.00	97.00	G0791655	VA11070691	mass mt	0.007	0.25	424	59.5	11.2	2.3
11-04B	97.00	98.02	G0791656	VA11070691	mass mt	0	0.26	541	62	10.3	2.6
11-04B	98.02	99.66	G0791657	VA11070691	MD (inter-ore)	0	0.07	113.5	14.8	69.2	0.6
11-04B	99.66	101.00	G0791658	VA11070691	mass mt	0.005	0.21	520	58.1	8.2	2.6
11-04B	101.00	102.03	G0791659	VA11070691	mass mt	0	0.23	1050	66.4	14.9	5.4
11-04B	102.03	104.22	G0791660	VA11070691	porphyritic gabbro (inter-ore)	0	0.07	117	8.14	7.2	0.3
11-04B	104.22	106.00	G0791661	VA11076968	mass mt	0	0.19	482	46.9	12.1	2.4
11-04B	106.00	108.00	G0791662	VA11076968	mass mt w/ minor mafic dikes	0	0.2	447	46.4	11.4	2.5
11-04B	108.00	110.00	G0791663	VA11076968	mass mt	0	0.27	759	61.9	9.1	3.7

Bugaboo drill core samples with selected elements

BH	Depth1	Depth2	Sample	Cert	Special	Au ppm	Ag ppm	Cu ppm	Fe %	Ni ppm	S %
11-04B	110.00	112.00	G0791664	VA11076968	mass mt	0.012	0.23	574	62.7	4.1	2.5
11-04B	112.00	114.00	G0791666	VA11076968	mass mt	0	0.32	749	63.6	6.9	3.6
11-04B	114.00	116.00	G0791667	VA11076968	mass mt	0	0.24	660	63.1	4.2	3
11-04B	116.00	118.00	G0791668	VA11076968	mass mt	0	0.25	673	64	3.5	2.5
11-04B	118.00	120.00	G0791669	VA11076968	mass mt	0	0.35	1080	63.6	6.2	3.3
11-04B	120.00	121.78	G0791670	VA11076968	mass mt	0	0.32	976	54.6	8.6	2.5
11-04B	121.78	122.24	G0791671	VA11076968	mt-skarn	0.011	1	874	34.7	58.4	8.7
11-04B	122.24	123.28	G0791672	VA11076968	gt-px-skarn w/ minor mt in fractures (inter-ore)	0	0.08	123	17.4	7.2	0.2
11-04B	123.28	125.55	G0791673	VA11076968	mass mt	0	0.39	755	59.3	7.2	4.1
11-04B	125.55	127.60	G0791674	VA11076968	mafic dike + plag porph (ore envelope)	0	0.05	52.5	7.18	26.8	0.1
11-04B	131.19	132.00	G0791696	VA11076968	silicified qtz-biot-diorite; Duplicate w/ G0791675	0	0	24.4	1.85	2.3	0.1
11-04B	131.19	132.00	G0791675	VA11076968	silicified qtz-biot-diorite; Duplicate w/ G0791696	0	0.05	17	1.7	1.6	0.1
11-04B	157.88	159.69	G0791676	VA11076968	skarn w/ hmt in fractures	0	0.1	66	7.03	55.1	4.2
11-05B	56.76	57.55	G0791677	VA11076968	mafic dike (ore envelope)	0	0.03	12.5	7.05	106.5	0
11-05B	57.55	59.55	G0791678	VA11076968	mass mt	0	0.79	1150	47.8	17.4	5.8
11-05B	59.55	60.24	G0791679	VA11076968	mt-skarn + skarn	0.114	0.49	280	18.4	44.8	8.5
11-05B	60.24	61.00	G0791680	VA11076968	qtz-biot-diorite (ore envelope)	0.006	0.24	326	3.93	6.7	0.4
11-05B	86.78	88.22	G0791681	VA11076968	mafic dike (ore envelope)	0	0.16	570	10.1	38.8	2.4
11-05B	88.22	90.26	G0791682	VA11076968	mass mt	0	0.27	644	61	30.5	3
11-05B	90.26	91.77	G0791683	VA11076968	qtz-biot-diorite + minor mass mt (inter-ore)	0	0.09	145.5	10.9	3.1	0.2
11-05B	91.77	93.00	G0791684	VA11076968	mass mt	0	0.26	884	53.6	19.2	3.4

Bugaboo drill core samples with selected elements

BH	Depth1	Depth2	Sample	Cert	Special	Au ppm	Ag ppm	Cu ppm	Fe %	Ni ppm	S %
11-05B	93.00	95.00	G0791685	VA11076968	mass mt	0	0.23	664	57.5	17	2.5
11-05B	95.00	97.00	G0791686	VA11076968	mass mt	0	0.28	629	63.2	13.3	2.8
11-05B	97.00	98.15	G0791687	VA11076968	mass mt	0	0.27	660	66.4	14.1	2.9
11-05B	98.15	99.16	G0791688	VA11076968	skarn w/ minor mt	0	0.11	613	17.5	5.8	1.2
11-05B	99.16	101.91	G0791689	VA11076968	qtz-biot-diorite+mafic dike(inter-ore)	0	0.08	216	10.1	24.3	0.9
11-05B	101.91	103.00	G0791690	VA11076968	mass mt	0	0.27	632	58.8	14.5	2.6
11-05B	103.00	105.00	G0791691	VA11076968	mass mt	0	0.27	664	54.9	16.6	3.4
11-05B	105.00	107.00	G0791692	VA11076968	mass mt	0	0.26	546	63	13.9	2.6
11-05B	107.00	107.99	G0791693	VA11076968	mass mt	0	0.21	433	63.8	13.1	2.1
11-05B	107.99	110.00	G0791694	VA11076968	porph gab (inter-ore)	0	0.03	107.5	7.1	7.4	0.6
11-05B	110.00	111.38	G0791695	VA11076968	porph gab (inter-ore)	0	0.03	86.1	6.3	2.2	0.2
11-05B	111.38	112.92	G0791697	VA11076968	mass mt + minor porph gab	0.008	0.19	359	43.4	7.3	1.5
11-05B	112.92	115.00	G0791698	VA11076968	mass mt	0	0.19	112	54.8	2.8	0.3
11-05B	115.00	115.82	G0791699	VA11076968	mass mt	0	0.2	83.8	56.4	3.2	0.5
11-05B	115.82	118.26	G0791700	VA11076968	porph gab (inter-ore)	0	0.03	54.9	6.43	3.8	0.1
11-05B	118.26	119.47	G0791701	VA11076968	mt-skarn + mass mt	0	0.27	974	46.9	22.7	3
11-05B	119.47	121.05	G0791702	VA11076968	mass mt + minor mafic dike	0	0.2	435	59.6	22.5	1.8
11-05B	121.05	123.29	G0791703	VA11076968	mass mt	0	0.28	601	61.3	6.1	2.8
11-05B	123.29	124.38	G0791704	VA11076968	mafic dike (inter-ore)	0	0.03	43.5	8.88	23.9	0.3
11-05B	124.38	126.00	G0791705	VA11076968	mass mt	0	0.31	649	56.5	6.5	2.6
11-05B	126.00	127.34	G0791713	VA11076968	mass mt; Duplicate w/ G0791706	0.006	0.3	639	61.8	5.9	2.9
11-05B	126.00	127.34	G0791706	VA11076968	mass mt; Duplicate w/ G0791713	0.005	0.29	778	61.6	5.1	2.8
11-05B	127.34	129.00	G0791707	VA11076968	qtz-biot-diorite (ore envelope)	0	0.01	11	4.22	15.5	0.1

Bugaboo drill core samples with selected elements

BH	Depth1	Depth2	Sample	Cert	Special	Au ppm	Ag ppm	Cu ppm	Fe %	Ni ppm	S %
11-05B	152.00	153.56	G0791708	VA11076968	porph gabbro	0	0.02	71.9	5.38	2	0.2
11-05B	153.56	155.00	G0791709	VA11076968	gt-skarn w/ mt	0.008	0.11	344	13	12.5	0.1
11-05B	155.00	157.00	G0791710	VA11076968	gt-px-skarn w/ mt	0.031	0.28	894	18.4	21.8	0.2
11-05B	157.00	159.00	G0791711	VA11076968	gt-px-skarn	0	0.05	114	12.7	7.9	0.1
11-05B	174.46	175.58	G0791712	VA11076968	gt-px-skarn w/ mt	0.01	0.14	307	12.4	6.4	0.1
11-05B	175.58	177.03	G0791714	VA11076968	mt-skarn	0.035	0.5	1165	31.6	36.4	0.2
11-05B	177.03	179.00	G0791715	VA11076968	gt-px-skarn	0	0.08	87.6	10.7	3.1	0.1
11-05B	219.44	219.90	G0791716	VA11076968	mafic dike; w/ minor mt in fractures	0.006	0.32	460	17.5	13.6	1.5
11-05B	219.90	221.01	G0791717	VA11076968	mass mt	0.005	0.36	391	41.5	10.9	2.1
11-05B	221.01	223.23	G0791718	VA11076968	mafic dike (inter-ore)	0.008	0.34	466	9.51	22.7	1.6
11-05B	223.23	224.54	G0791719	VA11076968	mafic dike w/ mt in fracts + mt-sk + marble w/ dissem&fract mt	0	0.17	185	20	5.2	0.6
11-05B	233.20	234.54	G0791720	VA11076968	gt-px-skarn	0	0.04	28	7.25	8.8	0.1
11-05B	234.54	234.95	G0791721	VA11076968	mafic dike w/ v. minor mt in fractures	0	0.13	147.5	12.5	18.4	0.6
11-05B	234.95	235.67	G0791722	VA11076968	mt-skarn	0	0.12	27.3	24.8	4.9	0.3
11-05B	235.67	237.00	G0791723	VA11076968	ore envelope	0	0.04	64	5.25	0.2	0.4
11-06B	21.00	23.00	G0791724	VA11083101	magnetic qtz-biot-diorite	0	0.07	41.8	5.16	9.3	0.2
11-06B	37.81	38.45	G0791725	VA11083101	qtz-biot-diorite w/ minor mt	0.005	0.05	61.4	7.03	16	0.7
11-06B	51.82	53.00	G0791726	VA11083101	mafic dike w/ minor sulph	0	0.05	112.5	6.33	44	0.9
11-06B	192.57	194.32	G0791728	VA11083101	mafic dike (skarned, cloritized) w/ minor mt in fracts	0.007	0.08	138.5	9.35	42.8	0.2
11-06B	194.32	195.68	G0791729	VA11083101	skarn + mt-skarn; Duplicate w/ G0791744	0	0.09	187.5	15.8	41.7	0.4
11-06B	194.32	195.68	G0791744	VA11083101	mt-skarn + skarn; Duplicate w/ G0791729	0.005	0.1	160	18.5	34.1	0.3
11-06B	195.68	197.45	G0791730	VA11083101	mt-skarn	0.005	0.12	299	33.1	37.9	1

Bugaboo drill core samples with selected elements

BH	Depth1	Depth2	Sample	Cert	Special	Au ppm	Ag ppm	Cu ppm	Fe %	Ni ppm	S %
11-06B	197.45	198.54	G0791731	VA11083101	mafic dike w/ minor mt in fracts	0	0.06	78.8	9.8	23.6	0.5
11-06B	198.54	200.00	G0791732	VA11083101	mt-skarn	0.014	0.11	275	15.8	46.7	1.2
11-06B	200.00	201.45	G0791733	VA11083101	mt-skarn	0.005	0.14	398	18.1	46.5	1.4
11-06B	201.45	201.97	G0791734	VA11083101	mass mt	0.006	0.14	106.5	52.1	15.5	0.8
11-06B	201.97	203.37	G0791735	VA11083101	mt-skarn	0.005	0.11	234	22.4	35	0.6
11-06B	203.37	205.86	G0791736	VA11083101	gt-px-skarn + mafic dike w/ minor mt	0.005	0.21	229	10.8	60	1.2
11-06B	217.99	219.20	G0791737	VA11083101	mafic dike (ore envelope)	0	0.05	35.4	9.7	80.9	0.2
11-06B	219.20	221.60	G0791738	VA11083101	mass mt	0.014	0.28	717	55.1	14.5	4.8
11-06B	221.60	222.81	G0791739	VA11083101	skarn w/ minor mt & minor mass mt	0.006	0.22	779	16.8	10.2	3.6
11-06B	222.81	224.00	G0791740	VA11083101	mafic dike (inter-ore)	0	0.1	68.6	12.5	63.8	0.4
11-06B	224.00	224.83	G0791741	VA11083101	mass mt	0.008	0.17	324	42.2	6.3	2.5
11-06B	224.83	226.58	G0791742	VA11083101	skarned mafic dike (ore envelope)	0	0.24	739	11.4	8.8	3.7
11-06B	234.58	235.58	G0791743	VA11076968	qtz-biot-diorite & minor mafic cidke (ore envelope)	0	0	22.8	3.93	12.5	0
11-06B	235.58	237.00	G0791745	VA11076968	mass mt	0	0.26	596	59.6	3.6	2.7
11-06B	237.00	239.00	G0791746	VA11076968	mass mt	0	0.28	685	61.4	4.1	2.6
11-06B	239.00	241.00	G0791747	VA11076968	mass mt	0	0.3	571	63.8	2.2	2.5
11-06B	241.00	243.00	G0791748	VA11076968	mass mt	0	0.27	588	63.3	2.7	3.7
11-06B	243.00	245.00	G0791749	VA11076968	mass mt	0	0.27	570	61.9	2.5	3
11-06B	245.00	246.06	G0791750	VA11076968	mass mt	0.005	0.2	579	53.9	3.5	3.6
11-06B	246.06	247.07	G0791751	VA11076968	mafic dike; gouged & healed; minor mt in fract (ore envelope)	0.006	0.23	824	15	7	3.9
11-06B	305.70	306.70	G0791752	VA11076968	altered marble (talc) and fault zone (gouge)	0	0.02	60.1	6.16	6.5	0.4
11-06B	326.02	328.00	G0791753	VA11076968	skarn	0	0.06	84.5	5.77	43.7	2.2

Bugaboo drill core samples with selected elements

BH	Depth1	Depth2	Sample	Cert	Special	Au ppm	Ag ppm	Cu ppm	Fe %	Ni ppm	S %
11-06B	333.00	333.62	G0791754	VA11076968	skarn	0	0.03	65.4	4.41	41.3	2
11-06B	339.00	339.56	G0791755	VA11076968	skarn brecciated	0.016	0.05	86.4	4.87	40.6	2.1
11-06B	348.39	350.73	G0791756	VA11076968	skarn	0	0.06	85.9	6.08	47.8	3.6
11-06B	394.20	395.70	G0791757	VA11076968	skarn	0	0.06	83	5.61	15.7	3.8
11-06B	471.95	474.66	G0791758	VA11076968	silicified mafic dike	0	0	11.4	2.07	0.4	0.7
11-06B	474.66	476.00	G0791759	VA11076968	silicified marble	0	0	4.6	0.43	0	11
11-06B	521.47	523.00	G0791760	VA11076968	basalt/md w/ mt in fractures	0	0.04	168	8.16	6.7	0.2
11-07B	21.20	22.74	G0791761	VA11083101	gt-px-skarn w/ minor MD (ore envelope)	0	0.1	28	9.32	36.3	0.1
11-07B	22.74	23.61	G0791762	VA11083101	mass mt	0.011	0.26	192.5	55.3	10.5	1.4
11-07B	23.61	25.00	G0791763	VA11083101	skarned MD (ore envelope)	0	0.13	65.7	11.4	3	0.4
11-07B	52.12	53.00	G0791764	VA11083101	brecciated mafic dike	0	0.03	4.3	4.59	13.9	0.2
11-07B	59.36	61.00	G0791765	VA11083101	silicified plag porph/qbd?	0.005	0.05	22.2	5.19	5.1	0.4
11-07B	96.13	97.94	G0791766	VA11083101	marble w/ dissem/stringer mt; minor mafic dike & minor mt-skarn	0.008	0.04	27.4	9.5	1.1	0.3
11-07B	99.69	100.07	G0791767	VA11083101	skarn	0	0.27	263	7.19	62.9	3.8
11-07B	118.08	120.04	G0791768	VA11083101	skarn	0	0.09	106	6.93	29	4.5
11-07B	126.00	128.00	G0791771	VA11083101	marble w/ very minor mt	0	0.01	7.9	0.65	2.7	0.1
11-07B	130.62	131.45	G0791769	VA11083101	altered mafic dike	0	0.06	54.6	5.16	45.2	0.7
11-07B	144.48	145.59	G0791770	VA11083101	altered mafic dike	0	0.05	36.6	4.94	60.4	0.4
11-07B	210.66	212.00	G0791772	VA11083101	hbl-felds-pyx-gabbro; Duplicate w/ G0791779	0	0.06	123.5	7.43	56.8	0.5
11-07B	210.66	212.00	G0791779	VA11083101	hbl-felds-pyx-gabbro; Duplicate w/ G0791772	0.008	0.11	233	7.75	69.2	0.8
11-07B	271.89	272.74	G0791773	VA11083101	very altered marble w/ disseminated ep/sk throuhgout	0	0.01	8.1	0.38	1.7	11
11-07B	320.30	322.74	G0791774	VA11083101	skarned mafic dike	0	0.08	145.5	7.15	65.6	4.1

Bugaboo drill core samples with selected elements

BH	Depth1	Depth2	Sample	Cert	Special	Au ppm	Ag ppm	Cu ppm	Fe %	Ni ppm	S %
11-07B	347.39	349.23	G0791775	VA11083101	sheared basalt (marb/bas contact)	0	0.04	78.9	7.24	767	0.4
11-07B	349.67	351.00	G0791776	VA11083101	magnetic basalt	0	0.04	82.8	6.7	241	0.3
11-07B	351.00	353.00	G0791777	VA11083101	magnetic basalt	0.033	0.08	176	8.31	830	0.3
11-07B	353.00	355.00	G0791778	VA11083101	magnetic basalt	0.008	0.08	97.1	8.61	1050	0.7
11-07B	355.00	357.00	G0791780	VA11083101	magnetic basalt	0.005	0.04	160.5	8.64	1200	0.5
11-07B	357.00	359.00	G0791781	VA11083101	magnetic basalt	0	0.1	314	8.54	762	0.8
11-08B	20.19	21.56	G0791782	VA11092268	qtz-biot-diorite (ore envelope)	0	0.05	21.4	4.34	1.6	0
11-08B	21.56	22.83	G0791783	VA11092268	mass mt + skarn	0	0.37	1520	37.8	2.9	1.8
11-08B	22.83	24.00	G0791784	VA11092268	mass mt	0	0.27	773	53.8	4.5	2.6
11-08B	24.00	25.69	G0791785	VA11092268	mass mt	0	0.32	930	63.9	5.4	3.1
11-08B	25.69	25.97	G0791793	VA11092268	massive sulph; Duplicate w/ G0791786	0.015	0.74	1240	60.3	32.1	11
11-08B	25.69	25.97	G0791786	VA11092268	massive sulph; Duplicate w/ G0791793	0.011	0.77	1060	59.2	31.2	11
11-08B	25.97	26.54	G0791787	VA11092268	skarn (inter-ore)	0	0.07	243	4.39	0.6	0.1
11-08B	26.54	27.17	G0791788	VA11092268	massive sulph	0.02	0.66	4920	61.5	30.2	11
11-08B	27.17	27.85	G0791789	VA11092268	mass mt	0	0.36	1330	63.8	8	5.2
11-08B	27.85	28.68	G0791790	VA11092268	massive sulph	0.231	0.67	4130	61.7	34.8	11
11-08B	28.68	30.00	G0791791	VA11092268	mass mt	0.005	0.39	1760	66	9.2	5.9
11-08B	30.00	31.43	G0791792	VA11092268	mass mt	0.005	0.3	927	64.7	5.4	3.7
11-08B	31.43	31.67	G0791794	VA11092268	massive pyrrhotite	0.023	0.74	4080	62.2	24	11
11-08B	31.67	32.64	G0791795	VA11092268	mt + sulphide	0.046	0.57	3760	64.8	11.9	7.3
11-08B	32.64	34.00	G0791796	VA11092268	massive pyrrhotite	0.038	0.6	3030	58.9	34.7	11
11-08B	34.00	35.00	G0791797	VA11094242	massive pyrrhotite	0.012	0.67	6560	55.3	46.7	11
11-08B	35.00	36.00	G0791798	VA11094242	massive pyrrhotite	0.011	0.63	6230	47.4	37.6	11

Bugaboo drill core samples with selected elements

BH	Depth1	Depth2	Sample	Cert	Special	Au ppm	Ag ppm	Cu ppm	Fe %	Ni ppm	S %
11-08B	36.00	37.30	G0791799	VA11094242	massive pyrrhotite	0.01	0.63	5710	51.6	46	11
11-08B	37.30	38.25	G0791800	VA11094242	diorite (inter-ore)	0	0.08	604	11.4	20.7	2.5
11-08B	38.25	39.70	G0791801	VA11094242	massive sulphide	0.007	0.59	5610	56.1	45.7	11
11-08B	39.70	40.30	G0791802	VA11094242	skarn	0.014	0.42	2900	31.7	19.8	11
11-08B	40.30	41.50	G0791803	VA11094242	skarn w/ sulphides	0.006	0.3	1785	52.7	15.8	9
11-08B	41.50	43.00	G0791804	VA11094242	mass mt	0	0.33	1410	59.3	6.8	3.8
11-08B	43.00	44.80	G0791805	VA11094242	mass mt	0	0.29	1215	60.5	13.5	5.6
11-08B	44.80	45.20	G0791806	VA11094242	skarn	0.008	0.3	1495	26.6	11.3	6.9
11-08B	45.20	47.00	G0791807	VA11094242	mafic dike	0	0.12	166.5	7.43	81.3	0.3
11-08B	47.00	48.00	G0791808	VA11094242	mass mt	0	0.23	739	59.1	7.6	2.9
11-08B	48.00	49.00	G0791809	VA11094242	mass mt	0	0.25	851	61	8	3.3
11-08B	49.00	50.20	G0791810	VA11092268	mass mt	0	0.2	635	59.8	10.1	2.5
11-08B	50.20	50.94	G0791811	VA11092268	inter-ore dike	0	0.03	70.6	7.55	17.9	0.4
11-08B	50.94	52.50	G0791837	VA11092268	mass mt; Duplicate w/ G0791812	0	0.31	1450	59.2	11.6	6.6
11-08B	50.94	52.50	G0791812	VA11092268	mass mt; Duplicate w/ G0791837	0.005	0.32	1555	63	14.9	7.4
11-08B	52.50	53.03	G0791813	VA11092268	dike + diorite	0	0.01	132	5.99	20.7	0.4
11-08B	53.03	54.08	G0791814	VA11092268	mafic dike	0	0.07	241	17.3	159.5	1.5
11-08B	54.08	54.50	G0791815	VA11092268	mass mt	0	0.24	835	54.7	8.4	3.8
11-08B	54.50	55.70	G0791816	VA11092268	diorite (inter-ore)	0	0.02	26.8	3.29	3	0.1
11-08B	55.70	56.04	G0791842	VA11092268	massive sulphide; Duplicate w/ G0791817	0.008	0.36	2980	58.7	29.3	11
11-08B	55.70	56.04	G0791817	VA11092268	massive sulphide; Duplicate w/ G0791842	0.01	0.4	3430	57.4	34.5	11
11-08B	56.04	56.90	G0791818	VA11092268	mass mt	0	0.39	1290	55.9	15	5.2
11-08B	56.90	58.81	G0791819	VA11092268	skarn	0	0.11	749	15.5	6.3	3.4

Bugaboo drill core samples with selected elements

BH	Depth1	Depth2	Sample	Cert	Special	Au ppm	Ag ppm	Cu ppm	Fe %	Ni ppm	S %
11-08B	58.81	59.80	G0791820	VA11092268	mt-skarn	0.012	0.83	5700	19.9	12.7	8.9
11-08B	59.80	60.13	G0791821	VA11092268	massive sulphide	0.033	0.5	1550	48.9	45.9	11
11-08B	60.13	61.50	G0791822	VA11092268	skarn	0	0.29	1605	16.6	8.6	5.1
11-08B	61.50	63.12	G0791823	VA11092268	diorite	0	0.1	58.6	3.6	1.4	0.1
11-08B	63.12	65.25	G0791824	VA11092268	mass mt	0	0.25	346	58.6	4.6	2.1
11-08B	65.25	67.00	G0791825	VA11092268	diorite	0	0.07	11.4	3.27	9.5	0.1
11-08B	67.00	68.00	G0791826	VA11092268	mass mt	0	0.3	522	59.5	6.9	2.6
11-08B	68.00	69.00	G0791827	VA11092268	mass mt	0	0.22	509	53.2	6.9	3.2
11-08B	69.00	70.00	G0791828	VA11092268	mass mt	0	0.24	418	51.8	6.5	2.7
11-08B	70.00	71.29	G0791829	VA11092268	mass mt	0	0.27	683	60	10.4	3.1
11-08B	71.29	72.49	G0791830	VA11092268	gt-px-skarn	0.005	0.31	860	16.4	17	5.3
11-08B	72.49	74.72	G0791831	VA11092268	mass mt	0.01	0.35	692	59.4	15.4	4.3
11-08B	74.72	75.56	G0791832	VA11092268	mt-skarn	0.011	0.48	1680	20.7	26.5	7.1
11-08B	75.56	76.48	G0791833	VA11092268	mass mt	0	0.37	930	59.9	17.4	3.3
11-08B	76.48	77.20	G0791834	VA11092268	mt-skarn	0	0.43	490	39.1	24.6	5.7
11-08B	77.20	79.00	G0791835	VA11092268	gt-px-skarn	0	0.17	165.5	12.7	8.3	0.9
11-08B	79.00	80.00	G0791836	VA11092268	gt-px-skarn	0	0.54	346	12.8	12.5	2.3
11-08B	80.00	81.79	G0791838	VA11092268	gt-px-skarn	0	0.43	367	12.3	9	1.5
11-08B	81.79	83.50	G0791839	VA11092268	marble	0	0.2	209	12.6	2.5	1.5
11-08B	83.50	85.68	G0791840	VA11092268	mt-skarn	0	0.22	310	13.3	10.3	2
11-08B	85.68	87.00	G0791841	VA11092268	plag porph + mt-skarn	0	0.21	208	20	9.5	3.4
11-08B	87.00	88.98	G0791843	VA11092268	mt-skarn	0	0.28	304	22.5	27.5	2
11-08B	88.98	91.00	G0791844	VA11092268	mafic dike (ore bracket)	0	0.08	128.5	5.19	21.1	0.3

Bugaboo drill core samples with selected elements

BH	Depth1	Depth2	Sample	Cert	Special	Au ppm	Ag ppm	Cu ppm	Fe %	Ni ppm	S %
11-08B	98.00	99.00	G0791845	VA11092268	basalt w/ minor sulphides	0	0.09	218	5.68	53.8	1.7
11-08B	105.00	107.60	G0791846	VA11092268	basalt (ore bracket, variable skarn alteration)	0	0.14	289	7.18	60.2	1
11-08B	107.60	109.73	G0791847	VA11092268	mixed mt	0.006	0.76	597	44.7	7.9	4
11-08B	109.73	111.00	G0791848	VA11092268	mass mt	0	0.43	521	52.7	12.1	2.4
11-08B	111.00	113.00	G0791849	VA11092268	mass mt	0	0.43	398	59.5	8.5	1.6
11-08B	113.00	114.00	G0791850	VA11092268	mass mt	0	0.57	770	58.9	21.5	3.9
11-08B	114.00	116.00	G0791851	VA11092268	mass mt	0	0.48	740	54.8	17.5	3.3
11-08B	116.00	118.00	G0791852	VA11092268	mass mt	0	0.44	481	62.4	11.4	2.4
11-08B	118.00	119.68	G0791878	VA11092268	mass mt; Duplicate w/ G0791853	0	0.41	942	48.1	14.2	4.1
11-08B	118.00	119.68	G0791853	VA11092268	mass mt; Duplicate w/ G0791878	0	0.38	695	48.7	12.3	3.2
11-08B	119.68	121.00	G0791854	VA11092268	inter-ore dike	0	0.04	62.1	7.31	4.5	0.1
11-08B	121.00	123.00	G0791855	VA11092268	mass mt	0	0.49	770	58.9	14.9	3.6
11-08B	123.00	124.00	G0791856	VA11092268	mass mt	0	0.44	543	67.8	7.2	2.8
11-08B	124.00	125.00	G0791857	VA11092268	mass mt	0	0.57	794	64.6	7.6	2.7
11-08B	125.00	127.00	G0791858	VA11092268	mass mt	0	0.68	735	61.9	6.8	3.4
11-08B	127.00	128.02	G0791859	VA11083101	mass mt	0	0.53	676	58.7	9.5	2.7
11-08B	128.02	128.92	G0791860	VA11083101	inter-ore dike	0	0.03	16.2	7.75	66.2	0.1
11-08B	128.92	130.31	G0791861	VA11083101	mass mt	0.007	0.34	574	51.5	14.7	3.1
11-08B	130.31	131.00	G0791862	VA11083101	mt-skarn	0.006	0.18	275	34.1	5.9	1.4
11-08B	131.00	131.94	G0791863	VA11083101	inter-ore dike	0	0.02	16.8	6.09	47	0
11-08B	131.94	133.60	G0791889	VA11083101	mixed mt; Duplicate w/ G0791864	0.006	0.24	439	48.9	6.2	2.4
11-08B	131.94	133.60	G0791864	VA11083101	mixed mt; Duplicate w/ G0791889	0	0.25	407	51.2	4.8	2.3
11-08B	133.60	134.62	G0791865	VA11083101	dike	0	0.01	29.9	7.28	65.4	0

Bugaboo drill core samples with selected elements

BH	Depth1	Depth2	Sample	Cert	Special	Au ppm	Ag ppm	Cu ppm	Fe %	Ni ppm	S %
11-08B	134.62	136.19	G0791866	VA11083101	mass mt	0	0.29	709	60.6	7.7	2.9
11-08B	136.19	137.26	G0791867	VA11083101	dike	0	0.04	26.8	7.16	73.8	0.1
11-08B	137.26	139.00	G0791868	VA11083101	mass mt w/ minor dike	0	0.26	539	50.6	6.1	2.4
11-08B	139.00	141.00	G0791869	VA11083101	mass mt w/ minor garnetite	0	0.2	404	47.2	7.1	1.5
11-08B	141.00	142.12	G0791870	VA11083101	mass mt	0	0.26	615	55.1	5.8	2.5
11-08B	142.12	144.80	G0791871	VA11083101	inter-ore dike	0	0.03	63.4	5.65	2.7	0.2
11-08B	144.80	146.00	G0791872	VA11083101	mass mt	0.009	0.24	596	66.5	4.8	2.9
11-08B	146.00	148.00	G0791873	VA11083101	mass mt	0.02	0.38	464	60.9	5.3	2.3
11-08B	148.00	150.00	G0791874	VA11083101	mass mt	0.005	0.22	391	57.4	6.4	3
11-08B	150.00	151.10	G0791875	VA11083101	mass mt	0.005	0.23	546	57.5	9	1.3
11-08B	151.10	151.77	G0791876	VA11083101	dike	0	0.02	13.6	6.71	6.5	0.1
11-08B	151.77	153.96	G0791877	VA11083101	mt + mt-skarn	0.005	0.2	597	47.8	6	3
11-08B	153.96	155.77	G0791879	VA11083101	skarn + sulphides + mt	0.005	0.24	1315	14.6	14.2	6.5
11-08B	155.77	159.06	G0791880	VA11083101	inter-ore dike	0	0.04	82.1	6.49	8.1	0.4
11-08B	159.06	160.00	G0791881	VA11092268	mass mt	0	0.33	547	47.9	6.6	2.8
11-08B	160.00	162.00	G0791882	VA11092268	mass mt	0	0.42	478	59.5	6.4	2.4
11-08B	162.00	164.00	G0791883	VA11092268	mass mt	0	0.4	609	59	7.1	2.8
11-08B	164.00	165.00	G0791884	VA11092268	mass mt	0	0.45	682	60.8	8.5	3.2
11-08B	165.00	166.90	G0791885	VA11092268	mass mt	0	0.47	778	52.4	21.6	3.6
11-08B	166.90	167.50	G0791886	VA11092268	mafic dike (inter-ore)	0	0.05	66.8	9	103	0.3
11-08B	167.50	169.40	G0791887	VA11092268	mass mt	0.009	0.35	300	46.1	5.9	3.1
11-08B	169.40	170.69	G0791888	VA11092268	ore bracket	0	0.09	52.8	11.2	15.5	0.9
11-08B	170.69	172.00	G0791890	VA11092268	ore bracket	0	0.06	21.5	8.02	9	0.1

Bugaboo drill core samples with selected elements

BH	Depth1	Depth2	Sample	Cert	Special	Au ppm	Ag ppm	Cu ppm	Fe %	Ni ppm	S %
11-08B	209.00	211.30	G0791891	VA11092268	skarned diorite w/ minor mt + sulphides	0	0.04	89	6.11	3.3	0.1
11-08B	228.83	230.00	G0791892	VA11094242	skarn	0	0.05	130	8.26	1.1	0.3
11-08B	240.00	241.39	G0791893	VA11094242	skarn + contact	0	0.02	16.6	5.58	1.3	0.1
11-08B	241.39	243.00	G0791894	VA11094242	marble at contact	0	0.01	9.1	0.37	0.6	0.1
11-08B	256.97	258.00	G0791895	VA11094242	mafic dike w/ minor mt	0	0.12	80.4	12	16.8	0.4
11-08B	258.00	258.40	G0791896	VA11094242	mt-skarn	0	0.34	480	16.2	6.2	1.3
11-08B	258.40	259.47	G0791897	VA11094242	skarned mafic dike	0.006	0.16	220	8.98	20.1	0.7
11-08B	259.47	259.84	G0791898	VA11094242	mt-skarn	0.007	0.46	607	21	7.6	1.6
11-08B	259.84	261.00	G0791899	VA11094242	skarned mafic dike	0	0.13	243	8.19	25.3	0.4
11-08B	264.00	265.00	G0791900	VA11094242	mt-skarn & skarned mafic dike	0	0.07	60	8.81	7.3	0.1
11-08B	286.00	287.00	G0791901	VA11094242	basalt (ore envelope)	0	0.11	249	8.72	14.2	0.8
11-08B	287.00	288.32	G0791902	VA11094242	minor mass mt + mt-skarn	0.011	0.13	18.4	26.2	3	0.1
11-08B	288.32	289.50	G0791903	VA11094242	actinolite skarn	0	0.05	19.9	9.31	3.4	0
11-08B	289.50	290.11	G0791904	VA11094242	mt-skarn	0	0.07	18.4	15.4	5.1	0
11-08B	290.11	291.00	G0791905	VA11094242	skarned mafic dike (minor mt)	0.014	0.37	1080	11.7	33.1	2.1
11-08B	293.00	294.00	G0791906	VA11094116	skarn + mt-skarn	0.009	0.23	392	14	16.4	1.4
11-08B	297.00	298.34	G0791907	VA11094116	skarn w/ mt	0.007	0.34	866	11.8	38.9	2.9
11-08B	298.34	300.00	G0791919	VA11094116	actinolite skarn w/ minor mt, Duplicate w/ G0791908	0.005	0.13	479	8.22	19.1	1.2
11-08B	298.34	300.00	G0791908	VA11094116	actinolite skarn w/ minor mt, Duplicate w/ G0791919	0	0.18	513	7.97	18.9	1.1
11-08B	312.00	314.00	G0791909	VA11094116	mt-skarn + skarn	0.007	0.15	327	9.92	11.5	0.5
11-08B	314.00	314.68	G0791910	VA11094116	mt-skarn	0.007	0.29	554	13.1	23.6	2.9
11-08B	314.68	316.00	G0791911	VA11094116	skarned basalt	0	0.16	367	6.47	20.7	1.4
11-08B	320.00	321.00	G0791912	VA11094116	skarn	0.008	0.39	1200	12.3	19.9	2.6

Bugaboo drill core samples with selected elements

BH	Depth1	Depth2	Sample	Cert	Special	Au ppm	Ag ppm	Cu ppm	Fe %	Ni ppm	S %
11-08B	321.00	322.00	G0791913	VA11094116	50% massive sulphide, 50% skarn	0.028	0.8	2350	38.4	149.5	11
11-08B	322.00	324.00	G0791914	VA11094116	skarn w/ minor mt	0.007	0.39	786	13.1	30.1	4.1
11-08B	348.00	350.00	G0791915	VA11094116	skarn w/ minor mt & sulphides	0	0.19	317	10.3	20.1	3
11-08B	350.00	352.00	G0791916	VA11094116	skarn w/ minor mt & sulphides	0.006	0.28	746	13.5	21.7	4
11-08B	352.00	354.00	G0791917	VA11094116	skarn w/ minor mt + sulphides	0	0.13	404	14.2	11.5	2.2
11-08B	354.00	355.21	G0791918	VA11094116	skarn w/ minor mt + sulphides and marble w/ dissem mt	0.014	0.23	1050	16.4	18.8	3.5
11-08B	355.21	356.00	G0791920	VA11094116	marble	0	0.01	9.3	0.37	0	0.3
11-09B	18.25	19.00	G0791921	VA11094116	mass mt	0.008	0.21	508	65.2	4.4	2
11-09B	19.00	20.82	G0791922	VA11094116	mass mt	0.011	0.23	670	59.6	7.3	3.4
11-09B	20.82	21.30	G0791923	VA11094116	mafic dike (inter-ore)	0	0.02	75.9	8.68	30.6	0.3
11-09B	21.30	23.00	G0791924	VA11094116	mass mt	0.015	0.23	699	59.2	6	3.7
11-09B	23.00	24.42	G0791925	VA11094116	mass mt	0.014	0.24	1130	54	7.5	5.3
11-09B	24.42	25.17	G0791926	VA11094116	silicified qbd? (inter-ore)	0	0	31.1	2.58	0.7	0.1
11-09B	25.17	26.28	G0791927	VA11094116	mass mt w/ minor mafic dike	0.01	0.19	682	50	4.4	3
11-09B	26.28	26.62	G0791928	VA11094116	qbd? (interore)	0.008	0.1	237	11.9	1.9	1
11-09B	26.62	27.04	G0791929	VA11094116	mass sulphide + mass mt, Duplicate w/ G0791945	0.009	0.48	3120	56.8	21.3	11
11-09B	26.62	27.04	G0791945	VA11094116	mass sulphide + mass mt, Duplicate w/ G0791929	0.015	0.43	2920	56.6	19.9	11
11-09B	27.04	29.00	G0791930	VA11094116	mass sulphide	0.019	0.61	4840	56.6	25.6	11
11-09B	29.00	31.00	G0791931	VA11094116	mass sulphide	0.032	0.7	5030	47.3	27	11
11-09B	31.00	31.99	G0791932	VA11094116	mass sulphide	0.006	0.43	2280	59.7	18.5	11
11-09B	31.99	33.17	G0791933	VA11094116	mass mt	0.019	0.45	2200	58.3	10.2	7.2
11-09B	33.17	33.52	G0791934	VA11094116	mass sulphide	0.021	0.45	1640	60.8	22	11
11-09B	33.52	35.36	G0791935	VA11094116	mass mt	0.016	0.34	1040	63.5	6.4	5

Bugaboo drill core samples with selected elements

BH	Depth1	Depth2	Sample	Cert	Special	Au ppm	Ag ppm	Cu ppm	Fe %	Ni ppm	S %
11-09B	35.36	37.00	G0791936	VA11094116	mass sulphide	0.014	0.37	1230	54.3	28.6	11
11-09B	37.00	37.64	G0791937	VA11094116	mass sulphide	0.014	0.54	2640	53.8	17.9	11
11-09B	37.64	38.48	G0791938	VA11094116	mafic dike (inter-ore)	0	0.1	562	8.22	21.4	1
11-09B	38.48	39.25	G0791939	VA11094116	mass sulphide + silicified dike (inter-ore)	0.02	0.37	4520	16.8	8.7	8.7
11-09B	39.25	40.10	G0791940	VA11094116	mass sulphide	0.014	0.47	3500	53.8	22.2	11
11-09B	40.10	41.00	G0791941	VA11094116	mass mt	0.017	0.72	3830	58.4	3.3	2.7
11-09B	41.00	42.57	G0791942	VA11094116	mass mt	0.011	0.31	585	62.7	3.7	3.1
11-09B	42.57	43.20	G0791943	VA11094116	skarn + mt-skarn	0.011	0.54	3340	37.7	8.3	7
11-09B	43.20	44.09	G0791944	VA11094116	skarn w/ pyrrhotite	0.022	0.66	4400	35.2	17.3	11
11-09B	44.09	45.00	G0791946	VA11094116	marble(ore envelope)	0	0.02	134	4	2.4	1.8
11-09B	59.45	60.86	G0791947	VA11094116	brecciated skarn	0	0.17	634	9.05	13.3	4.7
11-09B	66.82	67.27	G0791948	VA11094116	skarned mafic dike	0	0.08	165.5	4.64	16.1	0.7
11-09B	67.27	68.25	G0791949	VA11094116	mt-skarn	0.009	0.12	137.5	21.7	6.5	1.2
11-09B	68.25	69.86	G0791950	VA11094116	skarn w/ minor mt in fractures	0	0.08	124.5	10.2	7.5	0.6
11-09B	76.86	78.00	G0791951	VA11094116	skarned mafic dike w/ minor mt	0.008	0.08	205	5.26	32	1.1
11-09B	96.47	97.16	G0791952	VA11094116	marble (ore envelope)	0	0	3.9	0.32	0	0.1
11-09B	97.16	97.54	G0791953	VA11094116	chloritized/sheared mafic dike w/ minor mt	0.008	0.06	66.2	12.9	37.5	0.3
11-09B	97.54	98.37	G0791954	VA11094116	mass mt	0.009	0.27	593	61	5.5	3.1
11-09B	98.37	100.18	G0791955	VA11094116	inter-ore mafic dike w/ minor mt in fractures	0.008	0.08	85.4	10.9	36	0.1
11-09B	100.18	101.28	G0791956	VA11094116	mass mt	0.005	0.3	445	56.2	6.9	1.7
11-09B	101.28	102.19	G0791957	VA11094116	inter-ore mafic dike	0	0.12	196	17.5	99.4	0.7
11-09B	102.19	102.60	G0791958	VA11094116	mass mt	0.008	0.31	588	50.4	9.6	2.4
11-09B	102.60	103.06	G0791959	VA11094116	gt-px-skarn	0	0.07	50.6	11.9	3.9	0.2

Bugaboo drill core samples with selected elements

BH	Depth1	Depth2	Sample	Cert	Special	Au ppm	Ag ppm	Cu ppm	Fe %	Ni ppm	S %
11-09B	103.06	103.68	G0791960	VA11094116	mass mt	0	0.27	395	44.1	13.9	1.4
11-09B	103.68	104.15	G0791961	VA11094116	mt-skarn	0	0.13	136.5	23	7.9	0.2
11-09B	104.15	104.82	G0791962	VA11094116	mass mt	0	0.23	325	33.9	22.9	0.7
11-09B	104.82	106.00	G0791963	VA11094116	skarn w/ minor mt	0	0.08	72.1	10.4	5.3	0.3
11-09B	117.00	118.29	G0791964	VA11094116	gt-px-skarn	0	0.05	18.2	10.1	1.5	0.1
11-09B	118.29	119.24	G0791965	VA11094116	mafic dike + marble (w/ mt) and mt skarn; Duplicate w/ G0791980	0	0.08	5.8	22.4	2.4	0.1
11-09B	118.29	119.24	G0791980	VA11094116	mafic dike + marble (w/ mt) and mt skarn; Duplicate w/ G0791965	0	0.04	8.9	13.5	1.5	0.1
11-09B	119.24	119.80	G0791966	VA11094116	marble (ore envelope)	0	0.03	21.5	5.85	63.9	0.2
11-09B	141.14	142.27	G0791967	VA11094116	skarn	0	0.06	59.8	5.58	45.3	2.3
11-09B	206.25	207.63	G0791968	VA11094116	skarn	0	0.15	154	5.33	68	1.7
11-10B	120.70	122.00	G0791969	VA11094116	skarn	0	0.04	8.3	8.74	3.1	0.2
11-10B	124.00	126.00	G0791970	VA11094116	skarn	0.009	0.11	280	9.06	5.8	0.5
11-10B	177.00	178.00	G0791971	VA11094116	skarn + skarned mafic dike	0	0.06	20.8	5.9	3.1	0.1
11-10B	178.00	179.14	G0791972	VA11094116	mt-skarn + pyx-skarn + mass mt	0	0.16	145.5	31.1	10.8	1
11-10B	179.14	179.84	G0791973	VA11094116	inter-ore mafic dike	0	0.03	14.5	7.84	61.7	0
11-10B	179.84	180.77	G0791991	VA11094116	mass mt + mt-skarn; Duplicate w/ G0791974	0	0.17	282	20.9	10.6	1.6
11-10B	179.84	180.77	G0791974	VA11094116	mass mt + mt-skarn; Duplicate w/ G0791991	0	0.21	346	23.4	14.1	1.9
11-10B	180.77	181.78	G0791975	VA11094116	skarn w/ minor mt in fractures	0	0.04	45.8	5.81	11.9	0.1
11-10B	181.78	183.04	G0791976	VA11094116	inter-ore mafic dike	0	0.04	8.2	8.09	40.5	0.1
11-10B	183.04	185.24	G0791977	VA11094116	mass mt	0.008	0.28	625	56	7.3	3.4
11-10B	185.24	186.00	G0791978	VA11094116	mafic dike + mass mt	0	0.2	113	53.9	12.2	0.7
11-10B	186.00	188.00	G0791979	VA11094116	mass mt	0	0.27	447	61	2.2	1.6
11-10B	188.00	188.71	G0791981	VA11094116	inter-ore mafic dike	0	0.03	30.6	8.83	15.4	0.1

Bugaboo drill core samples with selected elements

BH	Depth1	Depth2	Sample	Cert	Special	Au ppm	Ag ppm	Cu ppm	Fe %	Ni ppm	S %
11-10B	188.71	190.83	G0791982	VA11094116	mass mt	0	0.27	330	61.8	2	1.3
11-10B	190.83	192.45	G0791983	VA11094116	mafic dike (ore envelope)	0	0.07	91.7	11.2	4.2	0.3
11-10B	222.00	224.00	G0791984	VA11094116	silicified, brecciated plag porphyry	0	0.07	28	2.72	13.9	0.1
11-10B	232.00	234.00	G0791985	VA11094116	magnetic basalt	0.02	0.1	342	7.08	732	0.2
11-11B	84.00	86.00	G0791986	VA11102885	sheared basalt	0	0.01	39.6	4.59	31.8	0.3
11-11B	88.00	89.00	G0791987	VA11102885	highly silicified/alt qbd	0	0	0.2	3.39	26.3	0
11-11B	112.13	113.32	G0791988	VA11102885	highly silicified/alt qbd	0	0	0.3	1.13	2.4	0
11-11B	180.00	181.32	G0791989	VA11102885	qtz-biot-diorite (ore envelope)	0	0.02	83.2	3.44	1.6	0.3
11-11B	181.32	183.00	G0791990	VA11102885	mass mt + mt-skarn	0	0.25	293	45.4	4.6	2.2
11-11B	183.00	185.00	G0791992	VA11102885	mass mt	0	0.35	390	61.7	4.6	2.6
11-11B	185.00	187.00	G0791993	VA11102885	mass mt	0	0.46	1670	62.9	6.8	5.1
11-11B	187.00	189.00	G0791994	VA11102885	mass mt	0	0.34	617	59	4.5	3.4
11-11B	189.00	191.00	G0791995	VA11102885	mass mt	0	0.35	663	61.5	2.8	2.9
11-11B	191.00	193.00	G0791996	VA11102885	mass mt	0	0.33	497	62.5	2.1	1.9
11-11B	193.00	195.00	G0791997	VA11102885	mass mt + minor mafic dike	0	0.32	352	54.3	3.1	1.8
11-11B	195.00	197.00	G0791998	VA11102885	mass mt	0	0.35	403	64.2	2.4	1.7
11-11B	197.00	199.00	G0791999	VA11102885	mass mt	0	0.35	521	60.6	3	2.2
11-11B	199.00	199.82	G0792000	VA11102885	mass mt	0	0.34	628	57.5	6.3	2.5
11-11B	199.82	200.53	G0792401	VA11102885	skarn	0	0.05	143	5.33	14.7	0.1
11-11B	200.53	201.00	G0792402	VA11102885	marble (ore envelope)	0.007	0.04	44	8.16	0	0.4
11-11B	254.00	254.82	G0792403	VA11102885	marble (ore envelope)	0	0.01	45.4	2.54	0	1
11-11B	254.82	256.86	G0792404	VA11102885	mt-skarn + very minor marble	0	0.14	313	25.8	2.9	1.5
11-11B	256.86	258.00	G0792405	VA11102885	mass mt + minor mafic dike	0	0.29	665	47.2	3.8	3

Bugaboo drill core samples with selected elements

BH	Depth1	Depth2	Sample	Cert	Special	Au ppm	Ag ppm	Cu ppm	Fe %	Ni ppm	S %
11-11B	258.00	259.00	G0792406	VA11102885	mass mt + minor mafic dikes; Duplicate w/ G0792425	0	0.24	451	48.8	2.8	2
11-11B	258.00	259.00	G0792425	VA11102885	mass mt + minor mafic dikes; Duplicate w/ G0792406	0	0.21	487	44.8	2.6	1.5
11-11B	259.00	261.00	G0792407	VA11102885	mass mt	0	0.34	426	60.4	3.4	2.3
11-11B	261.00	263.00	G0792408	VA11102885	mass mt	0	0.32	452	61.1	5.3	2
11-11B	263.00	265.00	G0792409	VA11102885	mass mt	0	0.28	520	53.9	7	2.5
11-11B	265.00	267.00	G0792410	VA11102885	mass mt	0	0.38	662	61.8	6.5	2.9
11-11B	267.00	267.76	G0792411	VA11102885	mass mt	0	0.34	519	64.5	6.2	2.3
11-11B	267.76	268.09	G0792412	VA11102885	faulted contact (mafic dike)	0	0.06	97.6	14.8	33.9	0.1
11-11B	268.09	268.98	G0792413	VA11102885	marble + mafic dikes (ore envelope)	0	0.04	37.4	3.82	13.9	0.4
11-11B	268.98	269.46	G0792414	VA11102885	skarned mafic dike (ore envelope)	0	0.14	657	7.79	19.9	3.2
11-11B	269.46	270.83	G0792415	VA11102885	mass mt	0	0.33	722	56	6.9	3.2
11-11B	270.83	272.23	G0792416	VA11102885	marble (inter-ore)	0	0.02	87	2.76	0.2	1
11-11B	272.23	272.54	G0792417	VA11102885	marble w/ disseminated mt+ mass mt	0	0.12	251	24.7	1.4	1.7
11-11B	272.54	272.90	G0792418	VA11102885	mafic dike (inter-ore)	0	0.25	983	17.7	9.2	6.8
11-11B	272.90	275.00	G0792419	VA11102885	mass mt	0	0.34	984	58.7	4.5	2.7
11-11B	275.00	277.05	G0792420	VA11102885	mass mt	0	0.34	593	60.6	2.9	2.4
11-11B	277.05	278.00	G0792421	VA11102885	marble (ore envelope)	0	0	19.9	1.16	1.2	0.5
11-11B	288.52	290.22	G0792447	VA11102885	mt + marble; Duplicate w/ G0792422	0	0.08	162.5	11.3	14.5	1.4
11-11B	288.52	290.22	G0792422	VA11102885	mt + marble; Duplicate w/ G0792447	0	0.09	214	13.9	8.3	1.8
11-11B	290.22	292.41	G0792423	VA11102885	shear zone (mafic dike)	0	0.09	156	11.4	22.1	1.2
11-11B	292.41	294.00	G0792424	VA11102885	mass mt	0.016	0.49	723	55	10.8	3.5
11-11B	294.00	295.62	G0792426	VA11102885	mass mt	0.038	0.57	919	55.8	19.6	6
11-11B	295.62	296.89	G0792427	VA11102885	skarn (inter-ore)	0.007	0.24	551	15	21.8	2.5

Bugaboo drill core samples with selected elements

BH	Depth1	Depth2	Sample	Cert	Special	Au ppm	Ag ppm	Cu ppm	Fe %	Ni ppm	S %
11-11B	296.89	299.00	G0792428	VA11102885	mass mt	0	0.39	476	60.1	23.1	2.2
11-11B	299.00	300.00	G0792429	VA11102885	mass mt	0	0.37	891	55.1	16	1.4
11-11B	300.00	301.68	G0792430	VA11102885	mass mt	0.036	0.76	2440	56.8	94.2	5.1
11-11B	301.68	301.96	G0792431	VA11102885	mt-skarn	0.093	1.14	4830	32	130	9.6
11-11B	301.96	303.08	G0792432	VA11102885	skarn (ore envelope)	0.009	0.17	483	15.1	37.8	0.9
11-11B	312.29	314.00	G0792433	VA11102885	skarn	0	0.08	163.5	9.92	17.3	0.5
11-11B	343.00	345.00	G0792434	VA11102885	magnetic basalt	0	0.09	310	9.1	1035	0.5
11-12B	167.34	168.46	G0792435	VA11123100	foliated, magnetic mafic dike	0.024	0.15	387	9.41	71.2	0.7
11-12B	223.00	225.14	G0792436	VA11123100	skarned mafic dike (ore envelope)	0.007	0.04	5.6	4.72	2.1	0
11-12B	225.14	226.04	G0792437	VA11123100	mt-skarn	0	0.05	10	13.9	2.7	0.1
11-12B	226.04	228.00	G0792438	VA11123100	skarned mafic dike (ore envelope)	0	0.22	36.6	6.6	5.5	0.1
11-12B	228.00	230.00	G0792439	VA11123100	skarned mafic dike	0	0.06	25.3	4.13	9.4	0.1
11-12B	230.00	232.00	G0792440	VA11123100	skarned mafic dike	0	0.08	3.5	3.18	17	0
11-12B	232.00	233.13	G0792441	VA11123100	skarned mafic dike (ore envelope)	0	0.05	2.6	6.52	10.1	0
11-12B	233.13	235.00	G0792442	VA11123100	mt-skarn	0	0.09	98.4	21.3	18.6	0.3
11-12B	235.00	237.00	G0792443	VA11123100	mt-skarn	0.006	0.09	113	21.5	8.7	0.2
11-12B	237.00	238.63	G0792444	VA11123100	mafic dike w/ minor mt in fractures	0.009	0.26	947	12.5	65.9	2.7
11-12B	238.63	239.41	G0792445	VA11123100	mt-skarn & skarned mafic dike	0.008	0.09	191.5	13.1	22.7	0.8
11-12B	239.41	241.56	G0792446	VA11123100	mt-skarn & skarned mafic dike	0.01	0.17	483	19.4	39.9	2
11-12B	241.56	242.86	G0792448	VA11123100	mafic dike & minor mt-skarn	0	0.05	51.6	10.5	65.1	0.2
11-12B	242.86	244.90	G0792449	VA11123100	plag-phyric mafic dike	0.009	0.06	48.6	5.85	65.1	0.1
11-12B	244.90	245.51	G0792450	VA11123100	mt-skarn	0.01	0.25	526	36.7	60.9	0.9
11-12B	245.51	245.91	G0792451	VA11123100	mafic dike (inter-ore)	0	0.17	300	10.7	36.8	1.4

Bugaboo drill core samples with selected elements

BH	Depth1	Depth2	Sample	Cert	Special	Au ppm	Ag ppm	Cu ppm	Fe %	Ni ppm	S %
11-12B	245.91	246.87	G0792452	VA11123100	mt-skarn	0.013	0.46	1175	25.5	84.3	5.6
11-12B	246.87	249.00	G0792453	VA11123100	mass mt	0.011	0.25	422	47.3	21.1	2
11-12B	249.00	251.20	G0792454	VA11123100	mass mt; Duplicate w/ G0792466	0.007	0.25	352	57.2	8.9	1.8
11-12B	249.00	251.20	G0792466	VA11123100	mass mt; Duplicate w/ G0792454	0	0.21	398	58.6	9.5	1.9
11-12B	251.20	252.03	G0792455	VA11123100	mt-skarn	0.018	0.46	1335	33.8	16.2	6.3
11-12B	252.03	254.00	G0792456	VA11123100	mass mt	0.01	0.29	698	55.5	12.1	2.7
11-12B	254.00	256.00	G0792457	VA11123100	mass mt	0.006	0.21	368	59.3	3.8	1.7
11-12B	256.00	257.00	G0792458	VA11123100	mass mt	0.008	0.22	360	58.3	3.1	3.5
11-12B	257.00	258.37	G0792459	VA11123100	mass mt	0	0.22	416	53.6	6.9	3.1
11-12B	258.37	259.54	G0792460	VA11123100	mass mt + mt-skarn	0	0.14	340	34.6	11.1	1.6
11-12B	259.54	261.00	G0792461	VA11123100	mass mt	0.005	0.26	564	50.7	5.7	3.7
11-12B	261.00	263.00	G0792462	VA11123100	mass mt; Duplicate w/ G0792486	0	0.2	368	55.1	2.9	1.9
11-12B	261.00	263.00	G0792486	VA11123100	mass mt; Duplicate w/ G0792462	0	0.26	344	59.4	2.9	1.7
11-12B	263.00	264.00	G0792463	VA11123100	mt-skarn	0.006	0.22	655	44.4	4.1	2.6
11-12B	264.00	265.23	G0792464	VA11123100	mt-skarn	0	0.17	301	38.6	3.6	1.5
11-12B	265.23	265.62	G0792465	VA11123100	mass mt	0.014	0.37	909	49.1	10	2
11-12B	265.62	267.53	G0792467	VA11123100	marble & mafic dike & v. minor mt	0	0.02	39.4	4.31	21	0.9
11-12B	267.53	268.54	G0792468	VA11123100	mt-skarn	0	0.06	152.5	12.7	3.3	1.8
11-12B	268.54	269.19	G0792469	VA11123100	marble	0.005	0.06	182	11.4	3	1.6
11-12B	269.19	271.00	G0792470	VA11123100	mass mt	0	0.26	424	60.4	2.5	1.3
11-12B	271.00	272.38	G0792471	VA11123100	mass mt & mt-skarn	0.007	0.28	530	48.4	3.3	4.2
11-12B	272.38	274.00	G0792472	VA11123100	marble	0	0.02	35.4	2.44	3.1	0.7
11-12B	274.00	275.20	G0792473	VA11123100	marble	0	0.02	61.6	5.53	3.4	0.9

Bugaboo drill core samples with selected elements

BH	Depth1	Depth2	Sample	Cert	Special	Au ppm	Ag ppm	Cu ppm	Fe %	Ni ppm	S %
11-12B	275.20	275.86	G0792474	VA11123100	mt-skarn	0.006	0.2	493	43.4	2.7	1.9
11-12B	275.86	277.36	G0792475	VA11123100	marble	0.007	0.09	229	5.71	5	1.8
11-12B	277.36	279.00	G0792476	VA11123100	plag-porph (ore envelope)	0	0.05	68.7	6.59	4.8	0.1
11-12B	285.57	286.99	G0792477	VA11123100	marble (ore envelope)	0	0.01	7.4	0.63	2.7	1.1
11-12B	286.99	287.79	G0792478	VA11123100	mt-skarn	0	0.13	407	13.5	3.5	2.3
11-12B	287.79	289.16	G0792479	VA11123100	marble (inter-ore)	0	0	5.6	0.33	2.3	0.3
11-12B	289.16	289.56	G0792480	VA11123100	mt-skarn	0	0.07	197.5	14.7	1.9	1.3
11-12B	289.56	291.17	G0792481	VA11123100	mass mt	0.005	0.16	443	44.8	2.5	2.3
11-12B	291.17	292.19	G0792482	VA11123100	mafic dike (inter-ore)	0	0.03	28.6	9.38	2.7	0
11-12B	292.19	292.81	G0792483	VA11123100	mass mt & mt-skarn	0.005	0.16	428	42.1	4.6	3.3
11-12B	292.81	293.26	G0792484	VA11123100	marble w/ minor mt in fractures	0	0.01	24.3	1.24	2	0.7
11-12B	293.26	294.23	G0792485	VA11123100	mass mt	0.005	0.25	457	47.7	3	2.2
11-12B	294.23	295.00	G0792487	VA11123100	marble & mafic dike	0	0.03	27.4	8.25	2.6	0.1
11-12B	295.00	296.16	G0792488	VA11123100	mass mt	0.005	0.27	575	54.5	2.2	2.7
11-12B	296.16	296.66	G0792489	VA11123100	marble	0	0.11	366	16.2	0.2	1.8
11-12B	296.66	297.55	G0792490	VA11123100	mt-skarn	0	0.19	547	39.7	1.3	2.4
11-12B	297.55	298.48	G0792491	VA11123100	mass mt	0.005	0.25	512	53.1	1.9	3
11-12B	298.48	300.00	G0792492	VA11123100	marble w/ minor mt	0	0.02	43.3	3	0	1.1
11-12B	300.00	301.00	G0792493	VA11123100	marble (ore envelope)	0	0.01	22.4	1.15	0	0.7
11-12B	328.14	329.41	G0792495	VA11123100	mafic dike w/ marble clasts	0	0.04	14.6	5.35	3	2.1
11-12B	338.42	339.00	G0792494	VA11123100	massive pyrite	0.032	0.45	1250	14.6	38	9.2
11-12B	379.90	382.00	G0792496	VA11123100	sheared skarn	0	0.04	31.9	6	1.7	3.4
11-12B	382.00	383.30	G0792497	VA11123100	sheared skarn	0.005	0.04	12.7	5.23	7.6	3.4

Bugaboo drill core samples with selected elements

BH	Depth1	Depth2	Sample	Cert	Special	Au ppm	Ag ppm	Cu ppm	Fe %	Ni ppm	S %
11-12B	403.27	405.00	G0792499	VA11123100	skarned mafic dike	0	0.05	18.4	5.78	0	3.6
11-12B	405.00	407.54	G0792500	VA11123100	skarned mafic dike	0	0.05	37.4	5.48	0.2	3.6
11-12B	408.36	409.38	G0792498	VA11123100	skarn	0	0.04	23.9	4.72	2.6	2.9
11-12B	417.98	419.13	G0792501	VA11123100	skarned mafic dike	0	0.04	28.4	5.69	15.1	1
11-12B	419.13	421.46	G0792502	VA11123100	skarn	0	0.05	22.4	5.53	0	4
11-12B	421.66	424.00	G0792503	VA11123100	highly altered skarn	0	0.07	33.7	5.18	1.1	3.5
11-12B	424.00	426.50	G0792504	VA11123100	highly altered (shattered) skarn	0	0.07	53.2	5.29	1.4	3.4
11-12B	427.49	429.26	G0792505	VA11123100	skarn	0	0.05	51.8	5.88	26.2	0.6
11-12B	436.82	440.17	G0792506	VA11123100	skarned mafic dike	0	0.07	46	5.75	0.9	3.8
11-12B	442.73	443.33	G0792507	VA11123100	skarned mafic dike	0	0.06	99.1	5.95	13.3	0.4
11-12B	454.14	454.81	G0792508	VA11123100	mafic dike w/ minor marble	0	0.09	82.2	5.03	12.3	0.9
11-12B	460.96	462.38	G0792509	VA11123100	skarned mafic dike	0	0.02	29.3	5.87	8.8	0.3
11-13B	56.00	58.00	G0792510	VA11117880	highly silicified qtz-biot-diorite	0.008	0	1.6	1.99	4.2	0
11-13B	99.09	100.79	G0792511	VA11123100	gt-px-skarn	0	0.04	5.4	6.89	10.3	0.1
11-13B	119.00	120.00	G0792512	VA11123100	skarned qtz-biot-diorite	0	0.04	9.5	4.81	8.4	0.1
11-13B	120.00	121.00	G0792513	VA11123100	skarned qtz-biot-diorite	0	0.02	8.8	3.26	4.6	0.1
11-13B	127.32	127.95	G0792514	VA11117880	very silicified qtz-biot-diorite	0	0.01	6.7	1.44	2.7	0.2
11-13B	166.00	166.98	G0792515	VA11123100	mafic dike + qtz-biot-diorite (ore envelope)	0	0.13	113	5.81	52.9	1.1
11-13B	166.98	167.33	G0792516	VA11123100	mt-skarn	0	0.13	130.5	29.4	8.5	0.3
11-13B	167.33	169.00	G0792517	VA11123100	skarned qtz-biot-diorite, Duplicate w/ G0792540	0	0.1	88.4	8.34	7	0.6
11-13B	167.33	169.00	G0792540	VA11123100	skarned qtz-biot-diorite, Duplicate w/ G0792517	0	0.11	13	7.38	5.3	0.1
11-13B	169.00	171.00	G0792518	VA11123100	skarned qtz-biot-diorite	0	0.03	6.4	4.3	6	0.1
11-13B	171.00	173.09	G0792519	VA11123100	skarned qtz-biot-diorite	0	0.03	10	4.36	1.6	0.1

Bugaboo drill core samples with selected elements

BH	Depth1	Depth2	Sample	Cert	Special	Au ppm	Ag ppm	Cu ppm	Fe %	Ni ppm	S %
11-13B	173.09	174.30	G0792520	VA11117880	mafic dike (ore envelope)	0	0.04	7.4	6.88	2.4	0
11-13B	174.30	174.75	G0792521	VA11117880	mafic dike w/ minor mt in fractures	0	0.06	9.8	9.72	4	0
11-13B	174.75	176.48	G0792522	VA11117880	mass mt + mt-skarn	0	0.17	12.6	43.6	6.2	0
11-13B	176.48	177.60	G0792523	VA11117880	mass mt	0	0.15	18	49.6	4.5	0
11-13B	177.60	178.86	G0792524	VA11117880	mt-skarn	0	0.09	19.9	22.1	12.6	0
11-13B	178.86	179.90	G0792525	VA11117880	mt-skarn + minor mafic dike	0	0.12	71.4	31.2	24.4	0.1
11-13B	179.90	181.17	G0792526	VA11117880	mass mt + mt-skarn + minor mafic dike	0	0.13	61.9	36.4	12.7	0
11-13B	181.17	183.00	G0792527	VA11117880	mt-skarn + mass mt; Duplicate w/ G0792549	0.007	0.76	1070	42.6	6.2	0.5
11-13B	181.17	183.00	G0792549	VA11117880	mt-skarn + mass mt; Duplicate w/ G0792527	0.009	0.97	1550	40.7	5.1	0.3
11-13B	183.00	184.08	G0792528	VA11117880	mt-skarn	0.023	1.36	2340	31.2	6.5	0.4
11-13B	184.08	185.40	G0792529	VA11117880	mass mt	0.013	0.92	1270	55.2	6.3	0.2
11-13B	185.40	185.93	G0792530	VA11117880	mt-skarn + mass mt	0.023	0.62	948	47.3	7.1	1.5
11-13B	185.93	187.89	G0792531	VA11117880	mafic dike (inter-ore)	0	0.19	209	12.8	34.1	0.7
11-13B	187.89	189.29	G0792532	VA11117880	mafic dike (inter-ore)	0	0.04	25.2	2.6	13.1	0.2
11-13B	189.29	190.00	G0792533	VA11117880	marble (inter-ore)	0	0.03	39.5	1.67	4.6	0.4
11-13B	190.00	190.58	G0792534	VA11117880	mt-skarn	0.059	0.6	1440	44.7	61.7	9.9
11-13B	190.58	192.00	G0792535	VA11117880	mass mt	0	0.36	529	60	5.9	1.1
11-13B	192.00	193.33	G0792536	VA11117880	mass mt	0.008	0.35	459	59.9	5.8	1.2
11-13B	193.33	194.25	G0792537	VA11117880	mafic dike (inter-ore)	0	0.13	216	10.2	33.8	1.6
11-13B	194.25	194.69	G0792538	VA11117880	mass mt + mt-skarn	0.014	0.48	1110	43.9	17.4	4.1
11-13B	194.69	196.00	G0792539	VA11117880	marble (ore envelope)	0	0.01	11.6	0.38	0.9	0.1
11-13B	317.94	318.32	G0792541	VA11117880	scapolite skarn	0	0.05	65	4.16	16.2	3.2
11-14B	82.00	84.00	G0792542	VA11117880	mafic dike w/ minor mt in fractures	0.015	0.76	1150	9.96	18.9	0.8

Bugaboo drill core samples with selected elements

BH	Depth1	Depth2	Sample	Cert	Special	Au ppm	Ag ppm	Cu ppm	Fe %	Ni ppm	S %
11-14B	84.00	85.00	G0792543	VA11117880	skarn	0.022	0.35	590	9.96	5.4	0.2
11-14B	138.00	139.00	G0792544	VA11117880	plag porph + minor mass mt and mt-skarn	0.006	0.33	851	24.8	16.1	2.5
11-14B	139.00	140.00	G0792545	VA11117880	plag porph	0	0.04	77	5.65	7.4	0.2
11-14B	144.88	146.60	G0792546	VA11117880	mafic dike w/ minor mt (ore envelope)	0	0.07	243	12.3	20.8	0.9
11-14B	146.60	148.00	G0792547	VA11117880	mass mt	0	0.13	619	64.9	8.8	2.6
11-14B	148.00	150.00	G0792548	VA11117880	mass mt	0	0.23	385	64.3	4.7	1.7
11-14B	150.00	152.00	G0792550	VA11117880	mass mt	0.014	0.26	365	63.3	3.9	1.6
11-14B	152.00	152.55	G0792551	VA11117880	mass mt	0	0.27	443	63.2	8.1	1
11-14B	152.55	153.21	G0792552	VA11117880	skarn + mafic dike (ore envelope)	0	0.07	68.6	11	10.3	0.5
11-14B	153.21	155.00	G0792553	VA11117880	plag porph	0	0.01	61.2	4.77	3.1	0.2
11-14B	177.00	178.50	G0792554	VA11117880	marble (ore envelope)	0	0	3.1	0.63	1.8	0.1
11-14B	178.50	179.88	G0792555	VA11117880	mass mt	0.008	0.42	700	65.6	2.2	2.5
11-14B	179.88	181.00	G0792556	VA11117880	marble + hbl-feld-pyx-gabbro (ore envelope)	0	0.01	12.3	4.12	32.4	0.1
11-14B	203.00	204.06	G0792557	VA11117880	marble (ore envelope)	0	0.08	2.3	0.27	2.3	0.3
11-14B	204.06	206.00	G0792558	VA11117880	mass mt	0	0.56	513	65.5	3.5	1.2
11-14B	206.00	208.00	G0792559	VA11117880	mass mt + very small mafic dike	0.006	0.45	390	62.5	9.1	1.2
11-14B	208.00	208.63	G0792560	VA11117880	mass mt	0.007	0.36	277	58.3	5.4	1.8
11-14B	208.63	209.03	G0792561	VA11117880	mafic dike (inter-ore)	0.008	0.17	580	12.9	25.7	1.6
11-14B	209.03	210.42	G0792562	VA11117880	mass mt; Duplicate w/ G0792572	0	0.28	262	55.1	5.6	1.5
11-14B	209.03	210.42	G0792572	VA11117880	mass mt; Duplicate w/ G0792562	0.008	0.3	440	48.5	6.2	1.9
11-14B	210.42	212.00	G0792563	VA11117880	plag porph + marble (ore envelope)	0	0.05	34.5	1.78	3	0.2
11-15B	93.17	95.04	G0792564	VA11109635	gt-px-skarn	0	0.04	5.6	7.41	1.8	0
11-15B	97.26	98.75	G0792565	VA11109635	skarn	0	0.04	3.8	8.39	5.1	0.1

Bugaboo drill core samples with selected elements

BH	Depth1	Depth2	Sample	Cert	Special	Au ppm	Ag ppm	Cu ppm	Fe %	Ni ppm	S %
11-15B	100.76	101.59	G0792566	VA11109635	skarn (mostly garnetite)	0	0.05	5.8	10.1	2.9	0.1
11-15B	115.00	116.30	G0792567	VA11109635	basalt/MD (ore envelope)	0.005	0.1	145	7.62	8.8	0.2
11-15B	116.30	117.68	G0792568	VA11109635	mt-skarn	0	0.12	27.1	33.6	4.8	0.1
11-15B	117.68	119.86	G0792569	VA11109635	plag porph (inter-ore)	0.005	0.11	254	8.24	20.8	1.2
11-15B	119.86	122.00	G0792570	VA11109635	plag porph (inter-ore)	0	0.04	73.3	6.45	16.4	0.1
11-15B	122.00	124.00	G0792571	VA11109635	plag porph w/ minor mt	0	0.06	81.9	7.99	14.4	0.3
11-15B	124.00	124.80	G0792573	VA11109635	plag porph (inter-ore)	0	0.1	87.9	6.28	15.1	0.1
11-15B	124.80	125.24	G0792574	VA11109635	mass mt	0.006	0.34	667	55.7	3.1	1.8
11-15B	125.24	126.58	G0792575	VA11109635	plag porph (inter-ore)	0	0.06	42.5	12.5	9.5	0.4
11-15B	126.58	128.00	G0792576	VA11109635	mass mt	0	0.3	480	60.5	2.2	2.9
11-15B	128.00	129.00	G0792577	VA11109635	mass mt + minor mafic dike	0	0.23	331	58.9	4.1	1
11-15B	129.00	130.00	G0792578	VA11109635	mass mt	0	0.28	509	64.4	1.9	2.4
11-15B	130.00	131.76	G0792579	VA11109635	mass mt	0	0.31	606	65.4	1.4	2.4
11-15B	131.76	134.00	G0792580	VA11109635	plag porph (inter-ore)	0	0.05	56.7	7.25	15.3	0.1
11-15B	134.00	135.28	G0792581	VA11109635	plag porph (inter-ore)	0	0.06	97.2	9.7	13.9	0.4
11-15B	135.28	135.86	G0792582	VA11109635	mass mt	0	0.3	664	57.4	2.2	1.5
11-15B	135.86	136.56	G0792583	VA11109635	mafic dike (inter-ore)	0	0.07	24.8	19.5	10.9	0.2
11-15B	136.56	137.63	G0792584	VA11109635	mass mt w/ minor mafic dike	0	0.25	399	57.2	3	1.9
11-15B	137.63	139.09	G0792585	VA11109635	mass mt	0.006	0.24	591	58.8	5.4	2.8
11-15B	139.09	141.00	G0792586	VA11109635	mt-skarn + skarn	0	0.07	271	9.33	16.7	1.5
11-15B	141.00	143.26	G0792587	VA11109635	skarn w/ minor mt-skarn	0	0.1	332	11.3	25.1	1.6
11-15B	143.26	144.12	G0792588	VA11109635	mafic dike w/ minor mt in fractures	0	0.07	170.5	7.84	10.2	0.4
11-15B	144.12	144.70	G0792596	VA11109635	mass mt; Duplicate w/ G0792589	0.039	0.43	730	58.5	9.5	2

Bugaboo drill core samples with selected elements

BH	Depth1	Depth2	Sample	Cert	Special	Au ppm	Ag ppm	Cu ppm	Fe %	Ni ppm	S %
11-15B	144.12	144.70	G0792589	VA11109635	mass mt; Duplicate w/ G0792596	0.024	0.46	702	58.3	9	1.8
11-15B	144.70	145.85	G0792590	VA11109635	gt-skarn (ore envelope)	0.005	0.04	14.9	15.1	1.6	0.1
11-15B	181.09	182.15	G0792591	VA11102885	marble (ore envelope)	0.008	0.24	693	6.55	12.5	2.8
11-15B	182.15	184.05	G0792592	VA11102885	mass mt	0.007	0.36	516	62.4	28.5	1.9
11-15B	184.05	185.15	G0792593	VA11102885	mafic dike (inter-ore)	0	0.04	23.7	7.62	20.6	0.1
11-15B	185.15	185.85	G0792594	VA11102885	mass mt	0	0.27	394	46.9	12.5	1.2
11-15B	185.85	187.15	G0792595	VA11102885	plag porph (inter-ore)	0	0.06	165.5	6.44	8.7	0.6
11-15B	187.15	188.39	G0792597	VA11102885	mass mt + minor marble	0.008	0.52	619	48	4.8	2.7
11-15B	188.39	190.59	G0792598	VA11102885	marble w/ minor dissem mt	0	0.07	112.5	11.8	3.2	0.8
11-15B	190.59	191.33	G0792599	VA11102885	mass mt + marble	0	0.19	264	25.5	2.3	1.8
11-15B	191.33	192.02	G0792600	VA11102885	mass mt	0	0.78	1660	60.7	5.1	4.6
11-15B	192.02	192.50	G0792601	VA11102885	mafic dike (inter-ore)	0.006	0.03	23.8	7.29	70.8	0.1
11-15B	192.50	194.07	G0792602	VA11102885	mass mt + marble	0.017	0.39	606	48.9	7.4	4.1
11-15B	194.07	195.02	G0792603	VA11102885	marble w/ minor dissem/bleb mt	0.006	0.25	813	18.9	3.4	2.3
11-15B	195.02	196.00	G0792604	VA11102885	mafic dike (ore envelope)	0.038	0.05	80.4	8.33	41	0.3
11-15B	217.21	218.73	G0792605	VA11102885	mafic dike (ore envelope)	0.005	0.18	513	13.8	20.4	1
11-15B	218.73	219.65	G0792606	VA11102885	mass mt	0.117	1.29	1980	59	37.7	4.2
11-15B	219.65	220.34	G0792607	VA11102885	gt-skarn	0.008	0.58	1010	19.1	6.5	1.1
11-15B	220.34	222.58	G0792608	VA11102885	marble + mafic dike (inter-ore)	0	0.07	169	5.29	9.3	0.5
11-15B	222.58	224.00	G0792609	VA11102885	mass mt + minor marble	0.017	0.47	461	51.4	9.5	0.9
11-15B	224.00	225.55	G0792610	VA11102885	marble (inter-ore)	0.018	0.51	502	53.3	16	1.3
11-15B	225.55	227.69	G0792611	VA11102885	mafic dike (inter-ore); Duplicate w/ G0792647	0	0.06	15.7	6.59	8.5	0
11-15B	225.55	227.69	G0792647	VA11102885	mafic dike (inter-ore); Duplicate w/ G0792611	0	0.03	11.4	8.57	12	0

Bugaboo drill core samples with selected elements

BH	Depth1	Depth2	Sample	Cert	Special	Au ppm	Ag ppm	Cu ppm	Fe %	Ni ppm	S %
11-15B	227.69	229.00	G0792612	VA11102885	mass mt	0.006	0.32	148.5	59.2	7.8	0.2
11-15B	229.00	231.00	G0792613	VA11102885	mass mt	0.007	0.28	90.1	57.5	4	0.1
11-15B	231.00	232.23	G0792614	VA11102885	mass mt	0.01	0.35	359	58.1	6.3	0.4
11-15B	232.23	233.07	G0792615	VA11102885	mafic dike (inter-ore)	0	0.06	50.3	11.2	92.8	0.1
11-15B	233.07	234.54	G0792616	VA11102885	mass mt	0.013	0.44	550	59.6	12.7	0.8
11-15B	234.54	235.16	G0792617	VA11102885	mt-skarn	0.013	0.2	430	35.7	17.5	3.3
11-15B	235.16	237.00	G0792618	VA11102885	epidote-skarn (ore envelope)	0.008	0.14	487	10.3	31.3	3.9
11-15B	323.00	324.00	G0792619	VA11102885	skarn	0	0.04	127.5	4.78	1.1	0.5
11-15B	324.00	325.44	G0792620	VA11102885	skarn w/ minor mass mt	0.007	0.17	648	19.9	5.8	1.2
11-15B	325.44	326.00	G0792621	VA11102885	marble	0	0.01	28.4	0.62	0	0.8
11-15B	327.94	328.54	G0792622	VA11102885	mafic dike w/ mt in fractures + mass mt	0.01	0.21	1045	16.7	74.7	3.3
11-15B	328.54	329.00	G0792623	VA11102885	marble	0	0.01	35.1	1.06	0	0.9
11-15B	347.40	347.76	G0792624	VA11102885	skarn	0	0.08	148.5	5.67	18.5	1.2
11-16B	47.90	48.74	G0792625	VA11109635	skarned qtz-biot-diorite	0	0.07	77.5	11.2	4.6	0.3
11-16B	53.55	55.00	G0792626	VA11109635	epidote skarn	0	0.03	9.6	9.37	2.8	0.1
11-16B	73.33	75.00	G0792627	VA11109635	silicified qtz-biot-diorite	0	0.05	72.9	2.99	2.1	0.3
11-16B	208.00	210.00	G0792628	VA11109635	weak-mod magnetic qtz-biot-diorite	0	0.07	17.1	5.21	1.3	0.2
11-16B	219.08	220.93	G0792629	VA11109635	skarned mafic dike; Duplicate w/ G0792642	0	0.14	459	9.06	3.6	2.2
11-16B	219.08	220.93	G0792642	VA11109635	skarned mafic dike; Duplicate w/ G0792629	0	0.18	581	8.92	6.2	2.2
11-16B	220.93	222.00	G0792630	VA11109635	mass mt	0.005	0.34	598	58.9	2	2.1
11-16B	222.00	224.00	G0792631	VA11109635	mass mt	0.007	0.23	240	55.7	0.9	0.6
11-16B	224.00	226.00	G0792632	VA11117880	mass mt	0	0.3	277	62.8	1.3	1.2
11-16B	226.00	228.00	G0792633	VA11117880	mass mt	0.006	0.37	381	62.7	1.6	2.4

Bugaboo drill core samples with selected elements

BH	Depth1	Depth2	Sample	Cert	Special	Au ppm	Ag ppm	Cu ppm	Fe %	Ni ppm	S %
11-16B	228.00	230.00	G0792634	VA11117880	mass mt	0.006	0.32	357	66.5	1.3	1.8
11-16B	230.00	231.93	G0792635	VA11117880	mass mt	0.015	0.36	649	66.8	2.1	3.2
11-16B	231.93	233.95	G0792636	VA11117880	mass mt w/ minor mafic dike	0.007	0.37	692	62.7	2.4	3.1
11-16B	233.95	234.52	G0792637	VA11109635	marble + mass mt	0.01	0.31	736	59.8	2.9	3.9
11-16B	234.52	236.00	G0792638	VA11109635	marble (ore envelope)	0	0.07	18.2	0.93	1.9	1.8
11-16B	365.76	366.77	G0792639	VA11109635	marble (ore envelope)	0	0.06	17.7	1.67	3.2	0.2
11-16B	366.77	368.00	G0792640	VA11109635	mass mt	0.019	0.5	1250	60.5	35.8	1.9
11-16B	368.00	369.33	G0792641	VA11109635	mass mt	0.047	0.52	1410	57.6	170	5
11-16B	369.33	371.00	G0792643	VA11109635	basalt (ore envelope)	0.01	0.24	822	9.57	274	2.2
11-16B	397.00	398.00	G0792644	VA11109635	basalt w/ sulphides	0.025	0.27	971	10.8	241	5.3
11-16B	398.00	399.00	G0792645	VA11109635	basalt w/ sulphides	0	0.07	138	6.61	99.7	0.7
11-16B	412.33	414.00	G0792646	VA11109635	skarn-altered basalt	0	0.03	45.4	3.43	63.4	0.1
11-17B	22.00	24.20	G0792648	VA11123100	skarned qtz-biot-diorite w/ minor mt	0	0.12	88.5	6.32	2	0.1
11-17B	24.20	24.64	G0792649	VA11123100	mafic dike + skarn (ore envelope)	0.077	6.56	6050	11.8	31.9	1.4
11-17B	24.64	25.32	G0792650	VA11123100	mass mt + mt-skarn	0.05	2.56	3640	41.2	84.8	0.6
11-17B	25.32	27.00	G0792651	VA11123100	skarn w/ minor mt	0.011	0.61	1025	11.9	11.7	0.2
11-17B	27.00	29.00	G0792652	VA11123100	qtz-biot-diorite (ore envelope)	0	0.28	9.1	4.8	3.7	0
11-17B	124.00	126.00	G0792653	VA11123100	fluid infiltrated qtz-biot-diorite	0	0.2	182	3.29	3.8	0.1
11-17B	155.00	157.00	G0792654	VA11123100	gt-px-skarn	0	0.06	14.2	10.1	2.5	0
11-17B	164.00	165.00	G0792655	VA11123100	skarn w/ minor mt	0	0.06	53.3	9.43	4.7	0.2
11-17B	169.27	171.00	G0792656	VA11123100	skarn w/ minor mt	0	0.08	48	10.9	5.6	0.3
11-17B	171.00	172.45	G0792657	VA11123100	skarn	0	0.06	10.9	10.2	8.8	0.1
11-17B	172.45	173.74	G0792670	VA11123100	silicified qtz-biot-diorite; Duplicate w/ G0792658	0	0.03	23.3	4.09	27.5	0.1

Bugaboo drill core samples with selected elements

BH	Depth1	Depth2	Sample	Cert	Special	Au ppm	Ag ppm	Cu ppm	Fe %	Ni ppm	S %
11-17B	172.45	173.74	G0792658	VA11123100	silicified qtz-biot-diorite; Duplicate w/ G0792670	0	0.01	12.1	2.93	30.7	0.1
11-17B	265.00	267.00	G0792659	VA11123100	skarn w/ very minor mt	0	0.06	26.3	9.38	0.5	0
11-17B	271.00	272.00	G0792660	VA11123100	epidote-skarn	0	0.03	3.5	6.62	1.6	0
11-17B	272.00	274.00	G0792661	VA11123100	skarned mafic dike w/ mt	0	0.04	23.4	7.14	10.2	0.1
11-17B	274.00	276.44	G0792662	VA11123100	skarned mafic dike w/ minor mt	0	0.04	43.7	7.88	11.7	0.2
11-17B	279.94	281.10	G0792663	VA11123100	shear zone	0	0.05	51.4	5.64	10.3	1.9
11-17B	281.10	281.58	G0792664	VA11123100	marble w/ dissem mt	0	0.05	39.7	11.8	5.2	0.7
11-17B	281.58	283.00	G0792665	VA11123100	shear zone	0.007	0.06	96.4	6.55	23.5	1.6
11-17B	283.00	283.95	G0792666	VA11123100	marble w/ minor mt veins + minor mafic dike	0.041	0.22	460	8.23	8.8	0.9
11-17B	283.95	286.15	G0792667	VA11123100	mass mt w/ minor mafic dike	0.105	0.28	292	48.1	10.4	1.2
11-17B	286.15	288.24	G0792668	VA11123100	mass mt	0	0.41	833	63	5.8	5.1
11-17B	288.24	289.56	G0792669	VA11123100	marble (ore envelope)	0.006	0.02	26.3	1.66	0	0.2
11-17B	304.00	304.90	G0792671	VA11123100	marble w/ minor mt near bottom contact	0	0.03	89.1	4.79	3.7	0.8
11-17B	304.90	305.65	G0792672	VA11123100	mass mt	0	0.18	248	40.2	17.6	0.5
11-17B	305.65	307.42	G0792673	VA11123100	marble w/ minor mt in fractures (ore envelope)	0	0.02	26.6	3.39	1.8	0.3
11-17B	307.42	307.91	G0792674	VA11123100	mass mt	0	0.23	142	45.6	7.9	0.9
11-17B	307.91	309.00	G0792675	VA11123100	marble (ore envelope)	0	0	7.7	0.64	0	0.1
11-17B	354.76	355.53	G0792676	VA11123100	plag porph + marble (ore envelope)	0.006	0.07	209	6.31	8.5	0.9
11-17B	355.53	356.48	G0792677	VA11123100	mt-skarn	0.112	1.05	6960	23.5	186	11
11-17B	356.48	357.48	G0792678	VA11123100	basalt + skarn (ore envelope)	0	0.11	414	7.84	37.3	0.8
11-17B	359.00	361.00	G0792679	VA11123100	skarn	0	0.05	31.2	10.4	28.8	0.1
11-17B	369.71	371.00	G0792696	VA11123100	skarn; Duplicate w/ G0792680	0.114	0.4	1120	7.86	31.2	0.6
11-17B	369.71	371.00	G0792680	VA11123100	skarn; Duplicate w/ G0792696	0.125	0.35	1080	8.88	28	0.8

Bugaboo drill core samples with selected elements

BH	Depth1	Depth2	Sample	Cert	Special	Au ppm	Ag ppm	Cu ppm	Fe %	Ni ppm	S %
11-17B	398.00	399.90	G0792681	VA11123100	magnetic basalt	0	0.06	103	8.32	1050	0.2

Appendix D

ALS Laboratory analytical procedures

ME- MS61
Ultra- Trace Level Method Using ICP- MS and ICP- AES

Sample Decomposition:

$HF-HNO_3-HClO_4$ acid digestion, HCl leach (GEO-4A01)

Analytical Method:

Inductively Coupled Plasma - Atomic Emission Spectroscopy (ICP - AES)
Inductively Coupled Plasma - Mass Spectrometry (ICP-MS)

A prepared sample (0.25 g) is digested with perchloric, nitric, hydrofluoric and hydrochloric acids. The residue is topped up with dilute hydrochloric acid and analyzed by inductively coupled plasma-atomic emission spectrometry. Following this analysis, the results are reviewed for high concentrations of bismuth, mercury, molybdenum, silver and tungsten and diluted accordingly. Samples meeting this criterion are then analyzed by inductively coupled plasma-mass spectrometry. Results are corrected for spectral interelement interferences.

NOTE: Four acid digestions are able to dissolve most minerals; however, although the term "*near-total*" is used, depending on the sample matrix, not all elements are quantitatively extracted.

Element	Symbol	Units	Lower Limit	Upper Limit
Silver	Ag	ppm	0.01	100
Aluminum	Al	%	0.01	50
Arsenic	As	ppm	0.2	10 000
Barium	Ba	ppm	10	10 000
Beryllium	Be	ppm	0.05	1 000
Bismuth	Bi	ppm	0.01	10 000
Calcium	Ca	%	0.01	50
Cadmium	Cd	ppm	0.02	1 000
Cerium	Ce	ppm	0.01	500
Cobalt	Co	ppm	0.1	10 000

Element	Symbol	Units	Lower Limit	Upper Limit
Chromium	Cr	ppm	1	10 000
Cesium	Cs	ppm	0.05	500
Copper	Cu	ppm	0.2	10 000
Iron	Fe	%	0.01	50
Gallium	Ga	ppm	0.05	10 000
Germanium	Ge	ppm	0.05	500
Hafnium	Hf	ppm	0.1	500
Indium	In	ppm	0.005	500
Potassium	K	%	0.01	10
Lanthanum	La	ppm	0.5	10 000
Lithium	Li	ppm	0.2	10 000
Magnesium	Mg	%	0.01	50
Manganese	Mn	ppm	5	100 000
Molybdenum	Mo	ppm	0.05	10 000
Sodium	Na	%	0.01	10
Niobium	Nb	ppm	0.1	500
Nickel	Ni	ppm	0.2	10 000
Phosphorous	P	ppm	10	10 000
Lead	Pb	ppm	0.5	10 000
Rubidium	Rb	ppm	0.1	10 000
Rhenium	Re	ppm	0.002	50
Sulphur	S	%	0.01	10
Antimony	Sb	ppm	0.05	10 000
Scandium	Sc	ppm	0.1	10 000
Selenium	Se	ppm	1	1 000
Tin	Sn	ppm	0.2	500
Strontium	Sr	ppm	0.2	10 000

Element	Symbol	Units	Lower Limit	Upper Limit
Tantalum	Ta	ppm	0.05	100
Tellurium	Te	ppm	0.05	500
Thorium	Th	ppm	0.2	10 000
Titanium	Ti	%	0.005	10
Thallium	Tl	ppm	0.02	10 000
Uranium	U	ppm	0.1	10 000
Vanadium	V	ppm	1	10 000
Tungsten	W	ppm	0.1	10 000
Yttrium	Y	ppm	0.1	500
Zinc	Zn	ppm	2	10 000
Zirconium	Zr	ppm	0.5	500

Au- AA23 & Au- AA24
Fire Assay Fusion, AAS Finish

Sample Decomposition:

Fire Assay Fusion (FA-FUS01 & FA-FUS02)

Analytical Method:

Atomic Absorption Spectroscopy (AAS)

A prepared sample is fused with a mixture of lead oxide, sodium carbonate, borax, silica and other reagents as required, inquarted with 6 mg of gold-free silver and then cupelled to yield a precious metal bead.

The bead is digested in 0.5 mL dilute nitric acid in the microwave oven, 0.5 mL concentrated hydrochloric acid is then added and the bead is further digested in the microwave at a lower power setting. The digested solution is cooled, diluted to a total volume of 4 mL with de-mineralized water, and analyzed by atomic absorption spectroscopy against matrix-matched standards.

Method Code	Element	Symbol	Units	Sample Weight (g)	Lower Limit	Upper Limit	Default Overlimit Method
Au-AA23	Gold	Au	ppm	30	0.005	10.0	Au-GRA21
Au-AA24	Gold	Au	ppm	50	0.005	10.0	Au-GRA22

ME- OG62
Ore Grade Elements by Four Acid Digestion Using Conventional ICP- AES Analysis

Sample Decomposition:

HNO_3-$HClO_4$-HF-HCl Digestion (ASY-4A01)

Analytical Method:

Inductively Coupled Plasma - Atomic Emission Spectroscopy (ICP - AES)*

Assays for the evaluation of ores and high-grade materials are optimized for accuracy and precision at high concentrations. Ultra high concentration samples (> 15 -20%) may require the use of methods such as titrimetric and gravimetric analysis, in order to achieve maximum accuracy.

A prepared sample is digested with nitric, perchloric, hydrofluoric, and hydrochloric acids, and then evaporated to incipient dryness. Hydrochloric acid and de-ionized water is added for further digestion, and the sample is heated for an additional allotted time. The sample is cooled to room temperature and transferred to a volumetric flask (100 mL). The resulting solution is diluted to volume with de-ionized water, homogenized and the solution is analyzed by inductively coupled plasma - atomic emission spectroscopy or by atomic absorption spectrometry.

***NOTE**: ICP-AES is the default finish technique for ME-OG62. However, under some conditions and at the discretion of the laboratory an AA finish may be substituted. The certificate will clearly reflect which instrument finish was used.

Element	Symbol	Units	Lower Limit	Upper Limit
Silver	Ag	ppm	1	1500
Arsenic	As	%	0.01	30
Bismuth	Bi	%	0.01	30
Cadmium	Cd	%	0.0001	10
Cobalt	Co	%	0.001	20
Chromium	Cr	%	0.002	30

Element	Symbol	Units	Lower Limit	Upper Limit
Copper	Cu	%	0.001	40
Iron	Fe	%	0.01	100
Manganese	Mn	%	0.01	50
Molybdenum	Mo	%	0.001	10
Nickel	Ni	%	0.001	30
Lead	Pb	%	0.001	20
Zinc	Zn	%	0.001	30

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 23-MAY-2011
This copy reported on
15-JUN-2011
Account: PJV

CERTIFICATE VA11070691

Project: Pearson-Bugaboo
P.O. No.:
This report is for 111 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 29-APR-2011.
The following have access to data associated with this certificate:

PERRY HEATHERINGTON KLAUS TRIEBEL	TIM NORRIS	ACCOUNTS PAYABLE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Zn-OG62	Ore Grade Zn - Four Acid	VARIABLE
Fe-OG62	Ore Grade Fe - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS

To: PACIFIC IRON ORE CORPORATION
ATTN: KLAUS TRIEBEL
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Minerals

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To: PACIFIC IRON ORE CORPORATION
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CALGARY AB T2P 4H2

Finalized Date: 23-MAY-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11070691

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
G0791551		4.42	<0.005	0.08	7.10	2.4	70	0.56	0.07	4.66	0.02	28.1	35.3	128	0.53	81.1
G0791552		1.58	<0.005	0.10	7.44	2.3	30	0.37	0.15	6.09	<0.02	9.94	33.2	101	0.50	120.5
G0791553		0.72	<0.005	0.11	2.21	5	130	0.14	0.19	27.2	0.03	1.90	8.3	17	0.15	22.0
G0791554		4.02	<0.005	0.11	7.79	11.1	50	0.46	0.03	9.15	0.03	11.10	27.6	21	1.76	88.0
G0791555		2.60	<0.005	0.11	8.20	13	60	0.32	0.17	10.15	0.04	14.65	20.7	15	0.62	57.0
G0791556		2.40	<0.005	0.06	8.62	<0.2	140	0.56	0.06	7.16	0.05	24.5	21.7	11	1.13	58.8
G0791557		0.68	<0.005	0.04	5.26	21	10	0.27	0.02	13.10	0.04	8.99	8.9	42	0.27	11.8
G0791558		1.48	<0.005	0.06	6.46	<0.2	20	0.35	0.03	7.17	0.02	12.85	37.4	276	0.59	50.1
G0791559		1.02	<0.005	0.06	7.37	9	10	0.28	0.03	13.35	0.03	24.9	10.9	7	0.23	19.2
G0791560		2.28	0.016	0.12	6.05	23	20	0.22	0.07	13.35	0.04	9.86	29.4	60	0.10	213
G0791561		2.96	0.016	0.11	5.70	18	20	0.20	0.05	14.10	0.10	9.13	17.0	50	0.08	89.3
G0791562		1.82	<0.005	0.12	5.25	7	10	0.17	0.05	13.25	0.13	7.03	14.0	42	<0.05	128.0
G0791563		1.14	0.013	0.08	3.52	<5	30	0.19	0.04	18.50	0.03	3.92	13.2	152	0.21	90.2
G0791564		1.10	0.066	0.30	2.24	9	10	0.07	0.18	10.85	0.47	3.05	28.8	21	0.09	396
G0791565		1.34	<0.005	0.03	7.55	12	10	0.31	0.04	12.05	0.03	12.85	5.4	74	0.06	5.5
G0791566		3.04	0.012	0.24	2.24	6.8	10	0.14	0.11	3.94	0.48	3.45	34.2	26	0.12	145.0
G0791567		0.68	<0.005	0.05	6.12	6	10	0.28	0.05	17.40	0.02	6.80	8.7	61	0.06	33.3
G0791568		2.56	<0.005	0.03	8.44	1.2	240	0.75	0.02	5.93	0.02	26.9	11.5	4	0.73	15.2
G0791569		0.70	0.005	0.05	7.20	0.5	30	0.37	0.07	9.01	0.06	14.35	19.2	24	0.88	26.8
G0791570		2.08	<0.005	0.04	8.32	2.4	40	0.52	0.01	8.36	0.04	19.65	13.0	7	0.35	56.3
G0791571		1.54	0.005	0.05	5.29	8	20	0.25	0.04	18.90	0.04	6.99	26.7	139	0.45	98.0
G0791572		3.00	0.007	0.08	7.16	<0.2	20	0.22	0.03	4.93	0.04	5.74	43.0	128	0.30	141.0
G0791573		5.22	0.008	0.40	6.37	20	20	0.41	0.21	11.95	0.17	14.95	42.6	27	0.06	626
G0791574		5.34	0.006	0.27	6.92	25.0	620	0.56	0.17	9.24	0.13	27.1	72.6	15	0.67	443
G0791575		5.76	<0.005	0.20	7.01	25	490	0.41	0.16	11.45	0.10	15.60	68.7	123	0.63	289
G0791576		2.64	<0.005	0.08	7.84	9	90	0.35	0.07	11.30	0.09	14.20	22.9	99	1.38	83.8
G0791577		1.22	<0.005	0.03	7.01	4.1	110	0.45	0.03	5.96	0.02	19.45	18.7	62	3.15	45.4
G0791578		1.90	<0.005	0.06	7.64	3.0	70	0.58	0.03	5.05	0.03	20.9	21.9	56	0.61	52.7
G0791579		2.72	<0.005	0.03	7.23	12	80	0.32	0.04	14.15	0.02	11.90	21.2	138	0.24	38.1
G0791580		2.12	<0.005	0.05	7.20	2.1	30	0.38	0.04	5.60	0.03	12.95	28.9	120	0.96	81.4
G0791581		3.30	<0.005	0.03	7.48	10	40	0.32	0.23	15.10	0.03	13.95	11.7	58	0.82	9.8
G0791582		2.40	<0.005	0.08	6.43	9	20	0.28	0.07	16.70	0.06	13.50	20.7	36	0.84	29.4
G0791583		2.90	<0.005	<0.01	0.13	7	<10	<0.05	<0.01	21.8	<0.02	0.20	0.7	3	0.05	2.3
G0791584		1.98	0.005	0.13	8.19	5.4	260	0.25	0.11	8.55	0.03	10.65	54.7	157	5.48	177.0
G0791585		0.84	0.008	0.18	4.76	1.0	180	0.42	0.04	9.42	0.14	17.40	51.4	<1	0.44	176.0
G0791586		1.14	<0.005	0.14	0.61	<0.2	20	<0.05	0.01	9.91	0.20	0.47	20.4	<1	0.11	45.5
G0791587		3.12	<0.005	0.05	8.00	1.3	50	0.39	0.03	2.52	<0.02	8.22	39.5	183	0.74	60.5
G0791588		1.32	<0.005	0.05	8.25	2.1	30	0.45	0.05	6.26	0.04	18.95	31.2	139	0.67	9.7
G0791589		1.86	<0.005	0.13	7.08	19.5	50	0.31	0.09	8.49	0.04	9.61	33.7	15	0.84	260
G0791590		3.60	<0.005	0.11	7.08	10	30	0.30	0.06	10.10	0.04	13.20	31.4	29	0.42	115.5

***** See Appendix Page for comments regarding this certificate *****

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ALS Minerals

To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 23-MAY-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11070691

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10
G0791551		6.13	17.10	0.21	1.2	0.057	0.42	12.4	8.3	7.43	650	0.61	1.33	3.7	86.5	1350
G0791552		5.70	16.35	0.19	0.8	0.044	0.33	3.9	7.4	5.74	687	0.25	1.35	1.1	50.1	580
G0791553		1.27	5.09	0.10	0.1	0.012	0.02	0.8	6.3	4.49	338	0.13	0.06	0.4	10.6	140
G0791554		3.49	13.15	0.16	1.1	0.031	1.71	4.1	4.0	4.53	407	0.50	0.69	1.7	22.1	1060
G0791555		4.87	14.40	0.15	1.0	0.044	0.37	6.7	6.9	3.94	604	0.84	1.79	1.7	18.3	1020
G0791556		6.51	17.60	0.17	0.9	0.064	0.87	10.8	5.2	3.30	1140	0.88	1.91	3.2	8.6	1400
G0791557		5.85	10.80	0.14	1.0	0.039	0.04	3.8	16.6	9.09	996	0.64	0.11	1.9	23.5	860
G0791558		5.85	12.45	0.18	0.7	0.046	0.18	5.3	13.4	8.20	694	0.78	0.16	1.7	147.0	710
G0791559		4.60	14.80	0.14	1.0	0.051	0.05	12.0	4.3	3.31	617	1.14	1.16	3.3	4.1	990
G0791560		9.40	8.21	0.17	1.0	0.088	0.06	3.8	5.8	5.54	2250	1.26	0.15	2.1	30.4	640
G0791561		15.50	8.60	0.23	0.9	0.075	0.05	3.8	4.7	4.42	1980	2.46	0.12	1.9	22.4	580
G0791562		17.95	8.42	0.25	0.8	0.064	0.02	2.7	2.7	3.49	1650	0.76	0.07	1.5	29.3	490
G0791563		7.45	5.60	0.12	0.6	0.038	0.03	1.5	10.7	6.34	862	0.19	0.06	1.1	55.2	380
G0791564		35.5	5.44	0.46	0.5	0.054	0.01	1.2	4.0	3.13	856	0.29	0.02	1.2	47.4	320
G0791565		7.80	12.15	0.16	1.3	0.096	0.01	5.1	8.0	5.97	1740	0.19	0.07	2.7	9.7	810
G0791566		43.5	7.29	0.67	0.5	0.060	0.03	1.3	3.5	3.44	1320	0.31	0.07	1.3	43.3	270
G0791567		6.05	8.83	0.11	1.0	0.060	0.01	2.7	3.4	4.42	1640	0.10	0.06	1.7	16.7	600
G0791568		5.05	17.40	0.14	1.1	0.056	1.14	11.5	3.2	2.42	902	0.78	2.54	4.4	4.4	1790
G0791569		6.23	12.45	0.13	0.8	0.043	0.40	6.1	10.2	5.87	819	0.25	1.51	2.0	14.1	840
G0791570		4.03	15.15	0.12	1.0	0.042	0.38	8.6	5.8	2.21	760	0.93	2.22	3.3	6.1	1150
G0791571		4.38	8.55	0.10	0.6	0.043	0.09	3.0	10.8	4.07	742	0.33	0.35	1.2	107.0	380
G0791572		6.80	13.10	0.16	0.7	0.050	0.16	2.2	10.2	5.77	1020	0.07	2.46	1.0	138.5	350
G0791573		8.61	12.55	0.17	1.3	0.268	0.06	6.0	2.7	4.39	1640	0.44	0.31	2.3	28.0	1050
G0791574		5.58	13.20	0.15	2.0	0.119	1.02	11.3	4.1	3.78	1480	2.71	1.87	3.0	27.1	1720
G0791575		7.06	13.35	0.15	1.3	0.252	0.59	6.7	4.5	4.79	1720	0.94	0.89	1.7	34.9	1100
G0791576		5.29	13.75	0.13	1.1	0.044	0.71	6.3	11.2	4.51	753	2.30	1.08	2.3	46.8	890
G0791577		4.88	14.00	0.15	1.7	0.054	0.71	8.6	11.7	9.71	846	0.76	0.95	3.7	26.8	1030
G0791578		4.89	15.20	0.13	1.5	0.045	0.52	11.8	4.2	4.01	784	0.57	3.25	4.1	32.8	1300
G0791579		4.99	14.50	0.14	0.8	0.064	0.19	5.1	6.0	5.66	926	0.29	0.12	1.3	39.5	950
G0791580		5.84	14.00	0.14	1.0	0.046	0.37	5.2	14.9	9.16	879	0.55	1.17	2.0	72.0	740
G0791581		5.36	15.75	0.17	1.1	0.158	0.43	7.1	2.2	3.16	1960	0.79	0.65	1.9	21.5	970
G0791582		4.68	12.40	0.12	0.9	0.036	0.33	5.8	5.7	4.08	766	0.36	0.58	2.3	15.4	790
G0791583		0.11	0.29	0.05	<0.1	<0.005	0.01	<0.5	0.6	0.98	30	0.15	0.01	0.2	2.1	10
G0791584		8.91	15.40	0.16	0.7	0.038	0.92	4.2	12.6	2.93	497	0.94	1.86	1.2	66.0	590
G0791585		18.70	10.55	0.28	0.6	0.045	0.27	7.6	5.2	3.83	1220	0.67	0.63	2.5	12.0	970
G0791586		39.9	6.44	0.55	0.1	0.039	0.01	<0.5	0.5	1.52	555	0.29	0.03	0.6	3.4	120
G0791587		6.06	16.00	0.23	0.8	0.047	0.33	3.0	21.5	12.25	500	0.40	0.25	1.1	82.9	540
G0791588		5.37	18.35	0.19	1.2	0.063	0.31	8.9	14.1	8.79	831	0.28	0.30	3.0	74.3	1060
G0791589		5.72	12.50	0.17	0.7	0.042	0.33	3.9	5.6	7.45	769	0.76	1.22	1.5	21.4	920
G0791590		5.91	14.60	0.17	0.9	0.060	0.23	5.8	6.8	6.46	923	0.84	1.04	1.9	19.5	940

***** See Appendix Page for comments regarding this certificate *****

ALS Minerals

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 23-MAY-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11070691

Sample Description	Method Analyte Units LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
G0791551		3.0	15.4	<0.002	0.55	1.91	30.0	2	0.8	844	0.17	0.05	1.3	0.542	0.13	0.7
G0791552		2.3	4.9	<0.002	0.44	5.10	35.7	1	0.4	1500	0.06	0.06	0.3	0.475	0.09	0.4
G0791553		2.1	0.9	<0.002	0.60	0.45	4.4	1	<0.2	6340	<0.05	<0.05	<0.2	0.067	0.03	1.5
G0791554		1.2	40.1	<0.002	1.19	2.27	27.8	1	0.4	1025	0.10	0.08	0.6	0.498	0.43	0.6
G0791555		1.7	10.9	<0.002	1.46	2.25	23.7	1	0.5	1535	0.10	0.14	0.6	0.462	0.06	0.7
G0791556		2.1	28.4	<0.002	0.54	1.32	25.6	1	0.7	1090	0.16	<0.05	1.3	0.568	0.13	0.5
G0791557		0.8	1.2	<0.002	1.76	0.69	19.5	1	0.5	385	0.10	<0.05	0.5	0.350	<0.02	1.6
G0791558		1.1	9.3	<0.002	0.30	0.81	26.2	1	0.4	613	0.09	0.05	0.5	0.418	0.04	0.4
G0791559		2.0	1.6	0.002	1.65	1.28	17.2	2	0.6	2400	0.19	0.09	2.2	0.426	0.04	1.2
G0791560		1.4	0.7	0.010	2.39	0.60	18.9	1	0.4	1420	0.11	0.20	0.5	0.365	0.02	1.1
G0791561		1.2	0.7	0.009	1.41	0.72	15.1	1	0.3	1580	0.09	0.09	0.5	0.309	<0.02	0.9
G0791562		1.5	0.2	0.003	1.25	0.99	12.3	1	0.3	1170	0.07	0.09	0.4	0.266	<0.02	0.8
G0791563		1.1	1.5	<0.002	1.92	0.34	13.0	1	0.3	930	0.06	0.11	0.3	0.242	0.02	1.2
G0791564		1.8	0.3	0.004	7.39	0.36	6.3	2	0.3	385	<0.05	0.65	0.2	0.151	<0.02	0.6
G0791565		1.2	0.2	<0.002	0.17	1.07	25.7	1	0.4	2150	0.15	<0.05	0.7	0.435	<0.02	1.1
G0791566		1.2	0.4	0.002	3.07	0.60	6.8	1	0.3	318	0.05	0.28	0.3	0.181	0.02	0.3
G0791567		1.4	0.2	<0.002	0.72	0.73	18.2	1	0.3	1740	0.10	0.09	0.5	0.338	<0.02	0.6
G0791568		1.4	21.3	<0.002	0.15	1.21	18.6	1	0.8	1245	0.21	<0.05	1.7	0.551	0.22	0.7
G0791569		1.5	13.3	<0.002	0.49	0.56	19.8	1	0.5	820	0.10	0.08	0.7	0.457	0.06	0.6
G0791570		1.1	7.0	<0.002	0.32	0.86	20.4	1	0.5	762	0.16	<0.05	1.2	0.539	0.08	0.5
G0791571		0.9	3.2	0.002	0.50	0.48	19.3	1	0.3	639	0.06	0.05	0.4	0.283	0.06	0.9
G0791572		0.8	3.8	<0.002	0.03	0.18	44.8	1	0.4	378	0.06	<0.05	0.2	0.381	0.03	0.1
G0791573		2.6	1.4	0.002	2.45	1.70	24.3	2	1.9	1360	0.14	0.22	1.2	0.527	0.02	1.8
G0791574		2.0	32.6	0.003	1.46	3.51	28.3	2	1.0	1035	0.20	0.13	1.4	0.933	0.11	1.2
G0791575		2.0	22.0	0.002	1.38	2.64	29.0	2	1.2	1130	0.10	0.13	0.9	0.557	0.06	1.0
G0791576		2.1	42.1	0.005	1.97	0.88	29.2	2	0.4	1990	0.12	0.10	0.6	0.488	0.22	1.2
G0791577		1.8	34.5	<0.002	0.34	0.71	26.7	1	0.7	3880	0.20	<0.05	1.0	0.615	0.24	1.7
G0791578		1.7	9.2	0.002	0.35	0.68	28.2	2	0.9	3030	0.25	<0.05	1.1	0.679	0.10	1.0
G0791579		1.2	8.3	<0.002	0.56	0.83	26.9	1	0.5	5960	0.07	0.07	0.6	0.378	0.05	1.3
G0791580		1.1	15.5	0.002	0.26	1.61	29.2	1	0.5	872	0.11	0.05	0.4	0.542	0.08	0.7
G0791581		3.3	17.5	<0.002	0.05	6.51	28.1	1	0.7	1575	0.10	<0.05	0.6	0.497	0.08	1.3
G0791582		2.0	19.1	0.004	2.43	1.89	22.4	2	0.5	4410	0.12	0.19	0.6	0.413	0.12	1.2
G0791583		<0.5	0.4	<0.002	>10.0	0.15	0.6	1	<0.2	1555	<0.05	<0.05	<0.2	0.010	<0.02	0.3
G0791584		1.7	47.6	0.003	7.53	2.05	41.3	3	0.4	1575	0.06	0.23	0.6	0.421	0.53	0.7
G0791585		1.4	14.0	0.006	7.32	1.38	10.3	1	0.6	2180	0.11	0.10	1.1	0.305	0.06	0.7
G0791586		0.5	0.7	<0.002	8.06	0.18	1.6	1	0.3	1090	<0.05	<0.05	<0.2	0.055	<0.02	0.3
G0791587		0.5	10.9	0.003	0.30	0.47	43.9	1	0.4	383	0.05	<0.05	0.3	0.439	0.08	0.6
G0791588		1.5	9.1	<0.002	0.32	0.99	33.2	2	0.6	2640	0.16	<0.05	0.9	0.504	0.06	0.7
G0791589		0.9	11.2	0.003	3.16	1.42	21.9	2	0.5	872	0.09	0.12	0.4	0.409	0.11	1.0
G0791590		1.1	9.2	0.002	1.08	1.24	26.8	2	0.8	1110	0.09	0.08	0.5	0.481	0.06	0.9

***** See Appendix Page for comments regarding this certificate *****

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 23-MAY-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11070691

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Zn-OG62 Zn % 0.001	Fe-OG62 Fe % 0.01
G0791551		234	0.7	15.0	53	32.5		
G0791552		231	0.9	13.2	49	21.5		
G0791553		63	0.2	2.2	12	4.2		
G0791554		180	0.3	12.0	42	32.3		
G0791555		215	0.8	13.3	55	28.3		
G0791556		254	1.0	19.4	73	21.9		
G0791557		249	1.9	14.7	48	36.7		
G0791558		193	1.1	12.5	81	19.3		
G0791559		135	0.7	20.8	22	25.6		
G0791560		146	0.7	11.7	134	35.1		
G0791561		124	0.5	8.6	233	31.3		
G0791562		137	0.5	8.5	178	25.1		
G0791563		100	0.7	5.6	98	21.4		
G0791564		135	0.3	3.5	293	13.8		54.4
G0791565		115	0.6	14.5	175	42.3		
G0791566		176	0.3	3.3	581	16.0		62.9
G0791567		133	0.3	10.8	92	33.0		
G0791568		185	0.6	20.3	55	30.3		
G0791569		204	1.6	13.4	60	22.0		
G0791570		201	1.9	16.9	33	25.5		
G0791571		135	3.2	12.6	34	14.6		
G0791572		228	0.2	21.1	64	13.1		
G0791573		224	0.5	18.2	53	37.1		
G0791574		259	0.6	33.9	48	53.5		
G0791575		198	0.4	15.5	60	37.1		
G0791576		222	0.3	14.9	97	36.1		
G0791577		218	0.8	21.2	57	61.7		
G0791578		255	1.2	22.1	31	45.3		
G0791579		227	0.5	12.5	20	27.2		
G0791580		217	0.7	16.2	56	24.8		
G0791581		229	1.1	14.9	43	34.8		
G0791582		175	0.3	13.3	35	29.5		
G0791583		5	<0.1	0.2	<2	0.6		
G0791584		292	0.4	11.9	47	18.9		
G0791585		123	1.5	12.2	120	15.4		
G0791586		78	1.5	0.6	206	3.8		58.7
G0791587		240	0.7	13.0	67	25.0		
G0791588		250	0.5	17.2	69	30.3		
G0791589		174	0.6	12.0	50	18.2		
G0791590		214	0.9	17.0	53	32.2		

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 23-MAY-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11070691

Sample Description															
Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
G0791591	2.56	<0.005	0.13	7.29	4.1	30	0.39	0.06	7.71	0.03	13.90	46.7	33	0.40	244
G0791592	1.68	<0.005	0.09	6.61	<5	20	0.24	0.03	15.90	0.03	12.55	17.6	13	0.20	59.9
G0791593	0.98	<0.005	0.29	1.01	1.5	<10	0.07	0.01	7.20	0.39	2.81	20.8	7	<0.05	783
G0791594	0.52	<0.005	0.22	2.84	11	<10	0.07	0.03	17.70	0.14	6.36	6.9	6	<0.05	997
G0791595	2.66	<0.005	0.06	8.99	14.9	610	0.23	0.07	8.58	0.03	25.7	23.0	23	1.30	48.6
G0791596	1.72	0.005	0.18	7.57	9.4	330	0.54	0.08	4.46	0.11	27.3	25.4	1	1.04	245
G0791597	3.08	<0.005	0.07	7.44	3.8	220	0.60	0.04	3.37	0.04	20.2	10.9	1	1.27	132.0
G0791598	1.86	0.008	0.21	0.52	69	20	0.12	0.05	12.50	0.07	0.86	24.9	2	0.31	245
G0791599	2.66	0.007	0.19	7.58	7.3	30	0.34	0.08	8.04	0.06	15.75	52.0	30	0.43	289
G0791600	3.86	0.005	0.13	9.22	5.7	50	0.48	0.34	8.97	0.07	20.7	41.8	153	0.64	225
G0791601	3.04	<0.005	0.03	0.47	124	30	<0.05	0.02	34.1	<0.02	1.53	10.6	5	0.10	50.1
G0791602	2.90	<0.005	0.03	0.24	10	60	<0.05	0.01	35.5	<0.02	0.95	3.3	5	0.05	21.4
G0791603	5.10	<0.005	0.06	5.27	0.7	20	0.13	0.04	4.05	0.04	2.37	89.0	994	1.44	93.6
G0791604	5.60	<0.005	0.04	8.42	<0.2	60	0.16	0.03	7.10	0.05	4.07	49.7	133	1.02	77.8
G0791605	1.66	0.008	0.12	8.72	<5	90	0.19	0.10	11.00	0.07	2.46	39.4	124	0.70	282
G0791606	1.14	0.038	0.66	6.84	15.2	70	0.07	0.21	5.85	0.23	1.24	297	111	0.52	2180
G0791607	5.54	<0.005	0.05	9.12	0.4	200	0.66	0.02	6.20	0.07	28.2	32.3	40	1.02	93.8
G0791608	0.72	0.025	0.16	6.20	1.0	20	0.31	1.23	7.89	41.4	13.00	29.8	19	0.13	353
G0791609	5.28	0.170	0.19	1.94	8	30	0.23	7.55	16.20	97.7	3.53	21.6	3	0.07	259
G0791610	4.36	0.022	0.08	4.43	6	40	1.15	0.96	18.20	0.94	11.25	51.1	4	0.10	88.7
G0791611	3.48	<0.005	0.16	1.99	6	20	0.54	0.24	12.40	1.42	6.25	38.8	15	0.07	132.5
G0791612	2.54	<0.005	0.05	2.98	9	10	1.19	0.41	15.35	3.28	33.2	28.2	2	<0.05	18.3
G0791613	5.56	<0.005	0.04	6.51	10	20	0.89	0.22	16.10	0.23	47.4	15.3	6	0.10	9.4
G0791614	1.12	<0.005	0.06	7.34	9	90	0.48	0.06	13.70	0.21	15.15	25.6	60	1.05	73.1
G0791615	2.12	0.008	0.30	6.73	39	60	0.14	0.12	18.45	0.37	10.10	47.7	169	0.39	705
G0791616	2.26	<0.005	0.03	8.10	1.3	280	1.18	0.04	7.01	0.04	38.1	7.2	8	0.17	7.4
G0791617	5.82	0.022	0.59	1.29	11.0	<10	0.12	0.29	3.82	0.22	12.00	205	28	0.06	1245
G0791618	7.08	0.005	0.32	1.18	4.3	10	0.13	0.36	2.44	0.14	8.48	186.5	25	0.19	1205
G0791619	6.94	0.011	0.40	1.20	10.5	10	0.12	0.24	2.63	0.16	12.95	135.0	16	0.09	716
G0791620	1.90	0.013	0.56	5.69	3.3	10	0.39	0.49	8.77	0.24	17.50	173.0	123	0.07	2240
G0791621	8.04	<0.005	0.43	1.83	5.4	<10	0.15	0.38	3.85	0.20	11.10	153.5	50	0.07	879
G0791622	8.24	0.015	0.40	1.11	13.3	10	0.22	0.47	2.37	0.14	13.95	167.0	13	0.08	833
G0791623	8.72	0.006	0.40	1.20	4.4	10	0.20	0.29	1.94	0.12	10.85	126.0	10	0.11	647
G0791624	4.22	0.006	0.44	0.54	3.0	10	0.18	0.27	1.30	0.13	7.19	141.0	3	<0.05	815
G0791625	2.20	<0.005	0.06	8.90	<0.2	260	0.48	0.06	8.07	0.09	19.45	30.5	27	0.73	67.7
G0791626	5.32	<0.005	0.38	1.41	3.2	10	0.19	0.16	1.89	0.16	8.43	131.5	4	0.08	552
G0791627	4.74	0.013	0.36	2.11	2.3	10	0.24	0.14	3.15	0.18	8.23	142.0	7	0.05	608
G0791628	4.62	<0.005	0.10	8.36	<0.2	690	0.50	0.07	7.25	0.13	19.15	45.0	7	0.91	114.0
G0791629	3.04	<0.005	0.08	9.09	1.4	510	0.47	0.09	9.47	0.14	20.5	38.4	46	0.81	130.0
G0791630	5.70	<0.005	0.45	1.55	3.9	20	0.12	0.19	1.95	0.35	9.27	140.5	5	0.15	981

***** See Appendix Page for comments regarding this certificate *****

ALS Minerals

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 23-MAY-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11070691

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10
G0791591		8.82	16.25	0.22	1.0	0.068	0.29	6.2	6.2	7.06	966	0.61	0.91	2.0	25.1	1050
G0791592		6.18	14.45	0.15	0.8	0.060	0.13	6.0	4.8	4.98	1160	0.39	0.53	2.0	7.1	650
G0791593		42.6	13.60	1.24	0.1	0.141	<0.01	1.0	0.5	1.00	1180	0.51	<0.01	0.8	3.6	80
G0791594		16.15	16.15	0.27	0.2	0.315	0.01	1.5	0.6	1.37	2740	0.49	0.05	1.0	5.7	160
G0791595		6.67	21.5	0.19	1.4	0.057	1.85	10.8	9.2	3.45	710	1.23	0.43	4.4	8.2	1440
G0791596		7.71	16.35	0.20	1.2	0.073	0.98	12.9	5.0	4.57	551	1.02	1.60	4.2	2.6	1100
G0791597		4.63	16.70	0.14	0.6	0.059	1.39	8.3	5.2	3.82	565	0.77	2.44	4.0	1.6	1110
G0791598		36.8	5.71	0.88	0.1	0.019	0.03	0.5	0.4	1.07	631	0.81	<0.01	0.7	6.6	70
G0791599		8.18	16.90	0.18	1.1	0.071	0.34	7.1	6.1	6.71	966	0.72	0.94	2.2	26.7	1050
G0791600		5.04	19.00	0.16	1.0	0.105	0.42	9.0	3.1	1.43	476	1.23	2.84	2.8	93.2	310
G0791601		1.65	1.36	0.05	0.1	0.007	<0.01	0.7	1.0	0.56	196	0.21	<0.01	0.4	7.5	90
G0791602		1.34	0.61	<0.05	0.1	0.005	0.01	<0.5	0.8	0.46	98	0.13	<0.01	0.4	1.9	40
G0791603		8.37	9.73	0.21	0.7	0.040	0.17	0.8	12.3	14.35	1400	0.37	0.46	0.5	855	180
G0791604		7.26	16.55	0.16	0.6	0.054	0.40	1.6	14.7	5.96	1140	0.16	1.53	1.0	155.5	350
G0791605		6.14	17.05	0.13	0.5	0.169	0.40	1.0	6.9	4.03	1200	0.22	1.16	1.0	62.0	490
G0791606		16.15	17.35	0.31	0.4	0.151	0.33	0.5	8.5	5.34	1460	0.54	1.28	0.8	136.0	590
G0791607		7.64	20.1	0.19	1.2	0.078	0.69	13.1	7.8	2.99	1420	0.91	2.78	4.4	38.9	1490
G0791608		9.05	9.45	0.19	0.7	0.054	0.08	5.6	23.4	8.13	7510	0.98	0.13	2.0	13.0	700
G0791609		20.4	6.11	0.32	0.5	0.227	0.01	1.5	1.9	1.57	11450	4.35	0.02	1.3	4.6	130
G0791610		13.15	10.35	0.17	1.1	0.386	0.02	5.5	2.1	1.89	9540	0.65	0.08	10.2	13.8	540
G0791611		22.3	9.15	0.34	0.4	0.592	0.06	3.4	3.3	3.28	5420	1.68	0.10	1.8	10.8	320
G0791612		8.49	11.30	0.18	1.9	0.805	0.03	18.2	4.8	5.43	4800	0.46	0.16	3.1	4.8	630
G0791613		7.80	19.70	0.18	2.7	1.040	0.14	21.3	3.3	3.19	3600	0.59	0.37	7.3	6.9	670
G0791614		5.26	13.55	0.14	1.2	0.068	0.39	6.2	7.5	4.12	1170	3.08	0.84	2.8	26.9	810
G0791615		8.12	12.95	0.16	0.7	0.098	0.14	4.4	2.8	2.35	2870	1.13	0.24	1.5	48.9	780
G0791616		3.06	20.3	0.13	0.6	0.070	1.22	16.5	1.6	0.88	1720	1.95	3.11	10.4	5.1	830
G0791617		>50	4.26	1.01	0.2	0.253	0.01	6.8	0.3	1.18	5610	0.42	0.01	1.8	25.9	710
G0791618		>50	2.97	0.76	0.1	0.192	0.03	6.0	2.7	1.20	4960	0.28	0.01	1.2	21.2	470
G0791619		>50	3.50	0.87	0.2	0.274	0.02	7.5	0.8	0.94	5300	0.48	0.01	1.9	9.5	780
G0791620		25.6	11.20	0.52	0.7	0.668	0.04	10.1	2.0	1.98	3250	0.38	0.01	2.3	17.7	770
G0791621		>50	5.35	0.90	0.2	0.337	0.02	6.8	1.1	1.06	3680	0.35	0.01	2.1	10.5	570
G0791622		>50	3.50	1.11	0.2	0.197	0.02	9.0	1.0	1.00	4530	0.31	0.01	1.9	13.0	970
G0791623		>50	3.18	1.08	0.3	0.227	0.02	6.8	1.0	1.01	4790	0.26	0.01	2.4	10.3	380
G0791624		>50	2.07	1.11	0.1	0.192	0.01	4.3	0.4	0.76	5500	0.28	0.01	2.1	11.1	200
G0791625		8.59	14.60	0.18	0.8	0.076	0.68	8.3	5.6	2.86	1960	0.57	1.70	2.5	17.0	1050
G0791626		>50	3.65	1.11	0.2	0.187	0.02	4.7	1.0	0.94	5630	0.50	0.02	2.4	9.8	210
G0791627		>50	3.87	0.98	0.4	0.201	0.01	4.2	1.2	0.98	5950	0.64	0.01	2.3	8.8	150
G0791628		12.40	13.05	0.25	0.8	0.141	1.02	7.9	7.9	2.90	2700	0.30	1.31	2.1	9.9	830
G0791629		9.17	14.90	0.18	0.9	0.149	0.86	8.4	6.7	2.96	4050	0.28	1.41	2.5	17.6	850
G0791630		>50	4.13	1.03	0.2	0.193	0.05	5.6	1.6	1.15	7090	0.40	0.06	2.3	38.2	280

***** See Appendix Page for comments regarding this certificate *****

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 23-MAY-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11070691

Sample Description	Method Analyte Units LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
G0791591		1.3	10.7	<0.002	0.75	1.32	27.6	2	0.8	967	0.09	0.10	0.5	0.527	0.05	0.7
G0791592		1.3	3.9	<0.002	0.96	0.89	15.6	1	0.8	1260	0.09	0.11	0.7	0.327	0.03	1.3
G0791593		<0.5	0.2	0.002	0.23	0.46	1.2	1	1.9	63.8	<0.05	0.22	<0.2	0.038	<0.02	0.8
G0791594		0.9	0.2	0.002	0.95	0.86	3.0	1	5.2	335	<0.05	0.08	0.2	0.086	<0.02	2.5
G0791595		2.1	25.6	0.002	4.86	9.30	22.4	2	1.0	3170	0.23	0.13	2.4	0.513	0.38	2.4
G0791596		1.7	22.1	0.002	3.83	1.96	19.8	2	1.0	1280	0.23	0.14	2.3	0.466	0.33	1.3
G0791597		1.2	17.3	<0.002	1.46	1.11	20.0	1	0.9	670	0.23	0.09	1.6	0.499	0.34	0.9
G0791598		0.7	1.0	0.002	0.48	0.89	0.8	1	0.3	344	<0.05	0.20	<0.2	0.019	0.05	0.7
G0791599		2.0	12.0	<0.002	1.10	2.07	28.9	2	0.8	1030	0.11	0.09	0.6	0.547	0.08	1.0
G0791600		3.0	15.1	0.002	2.22	3.97	42.2	3	1.0	1285	0.18	0.35	1.5	0.464	0.07	0.7
G0791601		0.7	0.4	<0.002	1.13	0.29	1.5	2	<0.2	1305	<0.05	<0.05	<0.2	0.026	0.02	1.7
G0791602		<0.5	0.3	<0.002	0.58	0.11	1.2	2	<0.2	3050	<0.05	<0.05	<0.2	0.016	<0.02	1.6
G0791603		<0.5	7.3	0.002	0.20	0.19	35.1	1	0.3	91.0	<0.05	<0.05	<0.2	0.303	0.15	<0.1
G0791604		0.7	12.4	<0.002	0.09	0.20	48.2	2	0.4	246	0.06	<0.05	<0.2	0.403	0.11	0.1
G0791605		1.2	15.3	<0.002	0.67	0.57	39.7	2	0.5	568	<0.05	0.09	<0.2	0.366	0.11	0.4
G0791606		0.7	11.9	0.005	4.11	0.23	35.7	7	0.5	192.5	<0.05	0.28	<0.2	0.253	0.08	0.2
G0791607		1.4	16.7	<0.002	0.09	0.15	36.9	2	0.9	358	0.21	<0.05	1.9	0.660	0.11	0.6
G0791608		0.8	1.7	0.002	0.80	0.36	21.2	3	0.5	238	0.09	0.13	0.6	0.403	0.09	1.3
G0791609		1.0	0.5	0.005	1.53	0.25	3.9	4	0.7	50.6	<0.05	1.29	0.2	0.077	0.08	4.5
G0791610		1.4	0.8	<0.002	0.26	0.29	13.8	1	1.7	130.5	0.16	0.10	0.6	0.229	<0.02	7.0
G0791611		1.0	1.6	0.006	0.42	0.55	5.2	1	2.7	119.0	0.06	0.06	0.3	0.113	0.03	3.8
G0791612		1.3	1.0	<0.002	0.06	0.40	3.1	1	3.1	243	0.30	<0.05	6.6	0.067	<0.02	7.7
G0791613		1.7	8.7	<0.002	0.03	0.49	4.5	1	4.7	669	0.68	<0.05	8.8	0.177	0.03	7.5
G0791614		1.6	17.3	0.008	1.88	0.69	30.6	2	0.6	2380	0.14	0.07	0.7	0.459	0.08	1.6
G0791615		1.2	5.5	0.005	2.14	0.94	36.4	2	1.6	555	0.06	0.08	0.7	0.295	0.03	3.0
G0791616		1.8	23.7	0.002	0.11	1.17	14.0	2	1.2	303	0.53	<0.05	2.3	0.468	0.15	1.3
G0791617		1.3	0.3	0.012	6.54	0.27	3.2	2	1.8	21.7	<0.05	1.16	<0.2	0.069	0.19	1.9
G0791618		0.8	2.4	0.015	4.54	0.23	3.3	2	1.1	14.0	0.10	0.76	0.2	0.054	0.08	1.8
G0791619		0.7	0.7	0.012	3.75	0.24	2.2	2	1.8	11.8	<0.05	0.70	0.2	0.076	0.06	1.9
G0791620		1.9	0.9	0.012	5.76	0.48	18.9	4	4.3	558	0.08	0.56	0.6	0.317	0.08	7.7
G0791621		0.7	0.5	0.012	3.88	0.27	5.4	2	2.1	55.8	<0.05	0.54	0.2	0.101	0.04	2.2
G0791622		1.3	0.9	0.012	3.97	0.24	4.7	2	1.3	30.0	<0.05	0.60	0.6	0.061	0.10	2.5
G0791623		2.0	1.2	0.007	2.87	0.17	3.0	1	1.7	28.7	<0.05	0.38	0.3	0.061	0.06	2.5
G0791624		0.9	0.4	0.011	4.01	0.22	1.9	1	1.2	9.5	<0.05	0.56	0.2	0.020	0.07	2.0
G0791625		1.6	20.6	0.002	0.24	0.31	28.2	1	0.8	581	0.22	<0.05	0.7	0.549	0.06	0.4
G0791626		1.2	0.6	0.012	3.13	0.25	2.7	1	1.8	50.6	<0.05	0.38	0.2	0.068	0.03	2.7
G0791627		1.0	0.3	0.013	3.52	0.20	4.1	1	2.0	70.6	<0.05	0.46	0.3	0.095	0.07	2.9
G0791628		2.6	28.4	0.003	0.63	0.32	24.6	1	1.2	515	0.10	0.08	0.8	0.466	0.12	0.6
G0791629		2.9	23.1	0.002	0.38	0.45	29.2	1	1.4	649	0.11	0.05	0.8	0.489	0.08	1.1
G0791630		1.4	1.5	0.008	3.70	0.25	3.2	2	1.1	31.9	<0.05	0.50	0.2	0.077	0.04	1.6

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4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 23-MAY-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11070691

Sample Description	Method / Analyte / Units / LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Zn-OG62 Zn % 0.001	Fe-OG62 Fe % 0.01
G0791591		268	1.1	17.5	91	34.2		
G0791592		142	0.7	12.5	64	25.9		
G0791593		150	2.2	3.2	173	3.2		44.5
G0791594		141	1.3	8.5	26	8.4		
G0791595		183	1.3	27.1	21	49.6		
G0791596		128	0.4	25.5	45	35.7		
G0791597		150	0.4	20.3	38	15.8		
G0791598		14	197.0	1.0	42	1.9		36.4
G0791599		284	1.5	18.9	87	38.1		
G0791600		169	1.8	37.3	23	25.3		
G0791601		8	3.6	1.6	5	2.4		
G0791602		3	2.1	1.1	3	2.4		
G0791603		180	0.5	17.1	91	20.2		
G0791604		243	0.4	23.8	57	12.6		
G0791605		193	0.7	13.9	44	11.1		
G0791606		252	0.3	9.9	78	8.7		
G0791607		275	0.3	29.0	93	32.0		
G0791608		180	8.3	14.7	9300	17.1		
G0791609		36	42.9	5.2	>10000	15.5	2.35	21.4
G0791610		115	6.7	12.8	378	42.2		
G0791611		73	1.7	10.2	590	13.7		24.3
G0791612		51	1.7	23.7	952	51.9		
G0791613		42	1.4	32.8	161	77.1		
G0791614		187	0.4	17.1	98	46.5		
G0791615		259	0.6	14.2	84	25.0		
G0791616		57	1.7	33.6	32	13.7		
G0791617		76	0.2	1.7	924	7.4		53.3
G0791618		70	0.2	1.9	724	4.6		54.9
G0791619		59	0.4	5.2	884	6.8		56.5
G0791620		130	0.6	16.6	262	22.3		28.0
G0791621		85	0.2	7.6	665	7.1		53.1
G0791622		50	0.2	3.2	669	7.3		59.1
G0791623		48	0.2	3.3	713	7.2		60.7
G0791624		35	0.1	2.0	673	3.1		63.6
G0791625		246	0.6	18.8	110	14.9		
G0791626		55	0.2	3.4	884	6.9		62.3
G0791627		55	0.3	4.0	856	12.3		52.7
G0791628		260	0.4	16.6	187	15.7		
G0791629		270	0.4	18.4	193	19.4		
G0791630		85	0.3	3.2	1210	5.4		55.6

***** See Appendix Page for comments regarding this certificate *****

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4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 23-MAY-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11070691

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
G0791631		1.16	0.029	0.82	0.54	11.5	10	<0.05	0.56	1.11	0.10	8.99	825	2	0.06	2350
G0791632		4.48	<0.005	0.05	8.81	0.5	420	1.29	0.06	6.96	0.10	24.4	43.2	9	1.01	262
G0791633		6.44	0.007	0.37	1.86	15.8	10	0.16	0.20	3.42	0.21	15.60	147.0	14	0.06	647
G0791634		4.68	<0.005	0.06	9.28	<0.2	300	0.50	0.05	7.79	0.08	22.9	22.4	5	0.64	45.0
G0791635		3.12	<0.005	0.05	8.47	0.4	490	0.56	0.04	6.35	0.13	17.10	17.7	4	1.12	96.0
G0791636		4.80	0.017	0.56	0.40	2.6	10	0.10	0.54	0.92	0.58	3.48	641	<1	0.05	2140
G0791637		4.02	<0.005	0.49	2.70	4.7	20	0.27	0.20	5.68	0.31	13.05	196.5	10	0.09	2350
G0791638		3.00	0.008	0.35	1.26	8.2	10	0.19	0.12	3.39	0.21	10.45	153.0	2	0.07	665
G0791639		4.24	<0.005	0.34	1.35	4.5	10	0.16	0.14	3.08	0.20	9.08	140.5	4	0.05	870
G0791640		1.10	<0.005	0.05	9.45	0.4	190	0.50	0.05	8.30	0.11	21.6	31.0	9	0.34	113.5
G0791641		2.82	0.009	0.52	1.00	6.1	10	0.11	0.20	2.06	0.38	8.70	232	4	0.07	2070
G0791642		5.10	<0.005	0.17	5.83	1.0	380	0.56	0.07	5.76	0.22	23.5	63.7	85	0.37	282
G0791643		8.36	0.006	0.32	1.11	0.9	10	0.14	0.15	1.75	0.15	4.90	119.5	<1	0.07	563
G0791644		3.16	0.006	0.46	1.29	2.4	10	0.14	0.29	1.75	0.24	7.93	149.0	<1	0.10	1835
G0791645		7.96	<0.005	0.09	8.34	<0.2	580	0.63	0.05	6.48	0.11	27.8	38.4	24	1.26	176.5
G0791646		5.06	0.013	0.34	2.40	4.6	30	0.42	0.26	4.54	0.14	10.10	124.5	8	0.11	560
G0791647		3.20	0.005	0.30	1.06	6.9	10	0.24	0.11	3.10	0.19	8.92	129.5	1	0.05	660
G0791648		7.52	<0.005	0.31	0.69	1.2	10	0.19	0.11	1.45	0.08	9.72	93.0	12	0.06	372
G0791649		9.54	0.007	0.27	0.64	1.0	10	0.23	0.12	2.01	0.07	10.40	98.2	8	0.05	375
G0791650		4.42	0.006	0.33	0.42	2.3	<10	0.17	0.16	1.09	0.08	8.42	139.0	9	<0.05	600
G0791651		5.62	<0.005	0.08	9.07	0.7	480	0.76	0.05	6.02	0.08	28.1	34.8	9	1.75	120.0
G0791652		7.30	<0.005	0.25	1.91	4.9	90	0.26	0.11	2.55	0.05	10.85	98.6	12	0.24	399
G0791653		4.12	<0.005	0.33	1.42	3.2	10	0.38	0.19	3.11	0.09	8.49	152.0	23	0.07	1085
G0791654		2.88	0.006	0.38	1.23	4.9	40	0.24	0.15	2.77	0.14	9.52	189.5	9	0.12	629
G0791655		8.76	0.007	0.25	0.98	1.3	10	0.18	0.09	1.78	0.07	13.05	94.3	18	0.06	424
G0791656		4.16	<0.005	0.26	0.71	1.3	10	0.17	0.15	0.75	0.06	14.95	111.0	<1	0.07	541
G0791657		5.14	<0.005	0.07	7.62	1.4	280	0.51	0.09	7.13	0.05	21.0	45.2	137	0.81	113.5
G0791658		5.68	0.005	0.21	0.89	3.8	<10	0.33	0.13	1.79	0.04	23.3	117.5	1	0.05	520
G0791659		4.62	<0.005	0.23	0.52	4.0	<10	0.15	0.19	0.51	0.06	6.22	256	<1	0.07	1050
G0791660		5.94	<0.005	0.07	9.46	1.4	610	0.77	0.11	7.06	0.08	32.1	20.5	4	1.05	117.0
G0791665		3.18	0.006	0.32	1.58	6.3	30	0.32	0.15	3.46	0.13	9.97	168.0	18	0.10	757

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 23-MAY-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11070691

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10
G0791631		>50	2.71	0.55	0.1	0.051	0.02	6.3	0.8	0.39	1300	2.21	0.02	0.9	255	340
G0791632		6.32	25.7	0.15	1.1	0.086	1.03	9.1	13.2	1.57	3210	1.56	2.44	4.8	9.2	1430
G0791633		49.6	5.64	0.90	0.3	0.220	0.02	9.4	1.2	1.44	7520	0.87	0.03	2.5	28.7	650
G0791634		6.95	17.55	0.15	1.1	0.086	0.81	9.7	5.6	1.74	1660	1.25	2.32	3.5	7.7	1310
G0791635		5.90	18.55	0.13	1.0	0.082	1.32	6.5	5.8	1.63	1480	0.91	2.46	3.4	5.6	1300
G0791636		>50	1.27	1.03	0.1	0.089	0.02	1.8	0.3	0.43	2110	13.25	0.01	1.8	47.5	70
G0791637		46.4	4.48	0.92	0.7	0.311	0.02	6.9	0.8	1.87	6120	5.17	0.03	2.5	9.7	300
G0791638		>50	3.00	1.01	0.3	0.292	0.02	6.6	0.6	1.82	7320	1.09	0.02	2.4	8.2	360
G0791639		>50	3.76	0.95	0.5	0.252	0.01	5.9	0.9	1.91	6590	0.78	0.01	2.4	12.8	320
G0791640		8.92	17.85	0.16	0.8	0.088	0.53	8.7	10.0	2.66	3100	0.33	1.81	2.8	10.0	1130
G0791641		>50	3.17	0.95	0.3	0.238	0.02	5.6	0.5	1.61	5860	0.64	0.03	2.1	25.0	280
G0791642		21.9	10.75	0.41	0.8	0.181	0.54	10.5	5.1	3.17	3860	0.38	1.17	3.2	54.7	1040
G0791643		>50	3.48	0.94	0.2	0.288	0.02	2.5	1.2	1.57	6770	0.66	0.03	2.0	11.0	40
G0791644		>50	4.46	0.97	0.3	0.282	0.01	5.8	1.7	1.69	5790	0.72	0.01	1.9	24.9	170
G0791645		9.26	17.90	0.19	0.9	0.093	1.14	12.5	7.0	3.09	1850	0.72	2.03	3.5	16.6	1490
G0791646		42.2	5.35	0.77	0.4	0.237	0.05	4.9	1.6	2.48	4040	0.66	0.06	1.8	14.6	260
G0791647		>50	2.61	0.88	0.3	0.262	0.01	5.7	0.7	1.67	7020	0.78	0.01	2.0	8.6	290
G0791648		>50	3.31	1.06	0.2	0.158	0.02	5.3	0.6	0.71	4190	0.21	0.03	2.2	11.4	150
G0791649		>50	3.02	0.95	0.5	0.174	0.01	5.9	0.7	0.83	4110	0.22	0.01	2.1	11.0	110
G0791650		>50	3.54	1.02	0.1	0.131	0.01	5.2	0.7	0.72	3650	0.24	0.01	2.0	13.8	240
G0791651		8.91	19.05	0.17	1.0	0.077	1.09	12.5	10.2	1.66	1360	0.71	2.64	4.1	8.2	1330
G0791652		>50	4.41	0.90	0.2	0.085	0.15	5.5	2.8	1.20	2340	0.16	0.41	1.8	11.7	320
G0791653		50.0	4.22	0.86	0.3	0.184	0.03	4.4	1.7	1.74	3650	0.32	0.04	2.0	15.6	230
G0791654		>50	3.56	0.86	0.2	0.196	0.02	4.9	1.0	1.23	4560	0.20	0.03	1.8	16.0	340
G0791655		>50	2.86	0.96	0.2	0.175	0.02	7.0	1.3	1.09	4540	0.17	0.02	2.1	11.2	310
G0791656		>50	2.71	0.99	0.1	0.104	0.03	8.8	0.7	0.68	2720	0.16	0.05	2.3	10.3	250
G0791657		14.80	14.30	0.24	0.7	0.135	0.94	8.6	6.1	3.72	2490	0.73	1.29	3.3	69.2	1110
G0791658		>50	3.30	0.73	0.2	0.150	0.01	13.4	1.1	0.88	3460	0.19	0.01	1.8	8.2	490
G0791659		>50	3.06	1.20	<0.1	0.108	0.02	4.1	0.7	0.56	3450	0.27	0.01	2.3	14.9	50
G0791660		8.14	19.10	0.17	1.1	0.106	1.21	14.3	4.6	1.89	2110	2.95	2.74	6.3	7.2	2230
G0791665		49.4	3.78	1.01	0.3	0.189	0.02	5.6	1.0	1.44	4680	0.20	0.03	1.9	16.6	490

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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ALS Minerals

To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 23-MAY-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11070691

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
G0791631		2.5	0.8	0.050	>10.0	0.25	1.1	17	0.5	18.0	<0.05	4.88	<0.2	0.028	0.16	0.9
G0791632		2.4	19.8	0.002	0.47	0.67	30.5	1	1.1	630	0.23	0.10	1.6	0.542	0.12	0.7
G0791633		1.4	0.4	0.015	4.55	0.27	4.1	2	1.5	29.8	<0.05	0.49	0.3	0.089	0.08	3.7
G0791634		2.7	16.8	0.003	0.33	0.94	24.2	1	1.0	609	0.18	0.05	1.3	0.588	0.06	0.7
G0791635		2.2	18.6	0.003	0.13	0.45	22.0	1	0.9	706	0.18	<0.05	0.9	0.610	0.07	0.5
G0791636		3.1	0.9	0.243	>10.0	0.14	1.2	2	0.8	8.1	<0.05	3.85	<0.2	0.016	0.34	1.3
G0791637		1.0	0.8	0.026	4.78	0.30	7.7	2	3.8	168.5	0.06	0.64	0.4	0.113	0.07	4.9
G0791638		0.9	0.7	0.008	3.93	0.25	3.4	1	2.1	54.5	<0.05	0.40	0.4	0.047	0.05	2.5
G0791639		0.9	0.3	0.010	3.91	0.12	2.9	1	2.1	12.1	0.05	0.46	0.4	0.055	0.03	2.1
G0791640		1.2	10.6	0.002	0.20	1.66	27.5	1	0.9	603	0.13	<0.05	0.9	0.592	0.04	0.6
G0791641		1.2	0.5	0.014	7.16	0.42	2.7	2	1.8	17.7	<0.05	0.69	0.2	0.052	0.14	1.5
G0791642		1.5	15.7	0.003	1.06	0.38	16.3	1	1.7	434	0.13	0.13	1.0	0.358	0.04	1.1
G0791643		0.8	0.7	0.008	3.50	0.18	3.2	1	2.0	19.8	<0.05	0.47	0.2	0.051	0.07	1.0
G0791644		1.0	0.7	0.017	7.45	0.23	2.7	2	2.3	17.7	<0.05	1.35	0.4	0.062	0.22	0.7
G0791645		1.4	37.9	0.003	0.65	0.48	36.4	2	0.9	613	0.17	0.09	1.6	0.663	0.12	0.6
G0791646		1.6	1.0	0.014	4.05	0.80	7.3	1	2.6	65.3	0.05	0.40	0.4	0.141	0.15	0.9
G0791647		0.8	0.3	0.007	3.67	0.22	2.8	1	1.9	36.2	<0.05	0.37	0.3	0.036	0.06	1.8
G0791648		0.6	0.7	0.017	2.24	0.13	2.4	1	1.4	14.5	<0.05	0.25	0.3	0.037	0.03	2.9
G0791649		0.7	0.4	0.014	2.42	0.17	1.4	1	1.7	12.7	0.05	0.29	0.4	0.023	0.04	3.1
G0791650		0.9	0.3	0.016	3.31	0.25	1.2	1	1.2	8.6	<0.05	0.41	0.2	0.020	0.07	3.4
G0791651		1.9	37.9	0.003	0.68	0.21	25.8	2	1.0	496	0.20	0.07	1.9	0.496	0.14	1.0
G0791652		0.7	4.8	0.006	2.15	0.14	4.8	1	1.0	135.5	<0.05	0.25	0.2	0.111	0.03	2.4
G0791653		1.2	0.7	0.016	3.95	0.24	4.5	2	1.6	26.5	0.05	0.47	0.2	0.084	0.06	1.9
G0791654		3.7	0.8	0.013	5.14	0.33	3.5	2	1.9	26.4	0.06	0.58	0.2	0.070	0.34	2.0
G0791655		0.9	0.6	0.008	2.29	0.14	2.8	1	1.8	12.4	<0.05	0.27	0.2	0.056	0.03	3.2
G0791656		0.9	1.2	0.013	2.62	0.18	1.3	1	1.8	27.0	0.29	0.31	0.3	0.028	0.04	4.0
G0791657		1.4	37.6	0.005	0.61	0.51	31.1	1	1.2	583	0.16	0.10	0.7	0.480	0.12	1.4
G0791658		0.7	0.4	0.011	2.64	0.15	2.0	1	1.9	23.6	<0.05	0.33	0.4	0.031	0.03	6.3
G0791659		0.9	0.8	0.019	5.43	0.18	0.7	2	1.2	9.3	<0.05	0.65	0.2	0.011	0.09	2.4
G0791660		3.9	37.7	0.005	0.27	1.18	28.7	2	1.3	722	0.30	<0.05	2.2	0.816	0.11	1.0
G0791665		4.0	0.7	0.015	4.78	0.28	5.6	2	1.9	35.2	<0.05	0.54	0.3	0.083	0.22	2.6

***** See Appendix Page for comments regarding this certificate *****

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ALS Minerals

To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 23-MAY-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11070691

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Zn-OG62 Zn % 0.001	Fe-OG62 Fe % 0.01
G0791631		30	0.2	1.0	318	3.3		55.4
G0791632		201	0.7	23.0	123	27.7		
G0791633		105	0.3	3.6	1180	9.3		50.9
G0791634		233	1.1	20.5	99	23.1		
G0791635		246	0.7	16.9	84	23.2		
G0791636		18	0.1	1.4	287	3.3		56.7
G0791637		63	0.2	4.6	756	23.4		45.0
G0791638		47	0.2	2.6	1000	11.0		53.5
G0791639		63	0.2	4.2	1200	13.5		53.1
G0791640		268	1.0	20.9	138	18.2		
G0791641		57	0.2	2.3	969	7.1		54.9
G0791642		161	0.4	13.3	458	17.3		24.8
G0791643		49	0.2	2.6	998	6.4		55.9
G0791644		61	0.2	2.4	995	10.0		51.3
G0791645		314	0.5	24.2	148	22.1		
G0791646		76	0.8	4.8	774	13.1		42.2
G0791647		43	0.2	2.4	968	9.0		53.0
G0791648		80	0.2	3.1	542	4.8		61.1
G0791649		62	0.2	3.7	455	12.5		59.5
G0791650		63	0.2	2.3	384	2.5		62.4
G0791651		187	0.6	22.7	109	25.1		
G0791652		79	0.2	5.1	230	4.2		52.6
G0791653		82	0.4	4.1	506	8.6		51.4
G0791654		72	0.5	3.6	648	7.4		53.7
G0791655		60	0.3	4.4	543	4.7		59.5
G0791656		41	0.2	4.5	336	2.5		62.0
G0791657		200	0.8	20.2	151	16.4		
G0791658		42	0.1	9.0	478	6.6		58.1
G0791659		28	0.1	2.0	476	2.0		66.4
G0791660		275	1.4	34.3	112	32.2		
G0791665		73	0.6	4.0	662	10.7		52.8

***** See Appendix Page for comments regarding this certificate *****

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 23-MAY-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11070691

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 27-MAY-2011
This copy reported on
15-JUN-2011
Account: PJV

CERTIFICATE VA11076968

Project: Pearson-Bugaboo
P.O. No.:
This report is for 79 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 6-MAY-2011.
The following have access to data associated with this certificate:

PERRY HEATHERINGTON KLAUS TRIEBEL	TIM NORRIS	ACCOUNTS PAYABLE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
CRU-31	Fine crushing - 70% <2mm
PUL-QC	Pulverizing QC Test
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Fe-OG62	Ore Grade Fe - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS

To: PACIFIC IRON ORE CORPORATION
ATTN: KLAUS TRIEBEL
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Minerals

ALS Canada Ltd.

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 27-MAY-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11076968

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
G0791661		6.12	0.19	1.98	1.2	10	0.22	0.18	4.68	0.05	10.55	102.5	15	0.23	482	>50
G0791662		8.52	0.20	2.59	3.8	30	0.30	0.17	4.76	0.06	19.15	99.1	24	0.16	447	46.4
G0791663		9.12	0.27	0.50	5.9	10	0.10	0.20	1.26	0.05	9.59	156.5	<1	0.10	759	>50
G0791664		9.28	0.23	0.34	1.6	<10	0.06	0.13	1.07	0.06	7.64	117.0	<1	0.07	574	>50
G0791666		9.30	0.32	0.33	1.3	<10	0.07	0.17	0.79	0.06	5.54	118.0	<1	<0.05	749	>50
G0791667		9.24	0.24	0.47	1.9	<10	0.05	0.18	0.65	0.07	4.40	121.5	<1	0.08	660	>50
G0791668		8.82	0.25	0.55	2.0	<10	0.08	0.17	0.86	0.07	6.76	114.0	<1	0.11	673	>50
G0791669		9.12	0.35	0.59	6.9	<10	0.08	0.24	1.27	0.09	9.43	136.0	<1	0.06	1080	>50
G0791670		7.64	0.32	0.76	8.4	10	0.15	0.19	3.74	0.10	3.56	130.5	<1	0.09	976	>50
G0791671		1.14	1.00	3.83	10.2	50	0.15	0.46	9.33	0.22	3.25	288	44	0.34	874	34.7
G0791672		2.40	0.08	3.38	11	30	0.67	0.08	18.40	0.10	9.73	27.1	7	0.13	123.0	17.35
G0791673		9.50	0.39	0.75	7.1	<10	0.11	0.27	1.59	0.13	4.65	143.5	<1	0.07	755	>50
G0791674		5.42	0.05	8.99	0.7	610	0.77	0.04	6.95	0.08	28.4	25.1	56	0.83	52.5	7.18
G0791675		1.06	0.05	6.85	<0.2	450	1.75	0.05	3.69	0.02	48.3	4.9	5	0.10	17.0	1.70
G0791676		5.52	0.10	8.09	30	60	0.41	0.13	13.65	0.18	16.55	34.0	191	0.19	66.0	7.03
G0791677		1.90	0.03	8.07	4.6	290	0.74	0.05	7.45	0.10	25.0	34.5	148	0.28	12.5	7.05
G0791678		6.60	0.79	1.98	18.1	10	0.29	0.31	5.33	0.66	12.45	187.5	45	0.08	1150	47.8
G0791679		2.46	0.49	5.83	15.7	30	0.64	0.72	8.25	0.12	31.7	76.7	67	0.07	280	18.40
G0791680		1.78	0.24	8.06	1.9	650	1.13	0.07	3.71	0.12	32.5	13.7	18	0.36	326	3.93
G0791681		3.60	0.16	7.84	22	40	0.61	0.33	13.70	0.12	26.0	88.1	133	0.10	570	10.10
G0791682		8.86	0.27	0.61	2.2	10	0.17	0.26	1.40	0.09	12.95	120.5	1	0.05	644	>50
G0791683		4.14	0.09	8.72	2.6	490	1.32	0.10	7.22	0.09	61.4	17.1	1	0.44	145.5	10.85
G0791684		5.30	0.26	1.08	3.2	10	0.15	0.27	1.84	0.09	12.75	120.5	2	0.08	884	>50
G0791685		8.20	0.23	1.31	2.7	20	0.22	0.21	3.04	0.09	9.57	113.5	10	0.11	664	>50
G0791686		4.84	0.28	0.49	1.5	30	0.13	0.18	1.09	0.11	6.57	128.5	<1	0.09	629	>50
G0791687		4.76	0.27	0.48	1.3	10	0.15	0.17	1.16	0.09	7.16	145.5	<1	0.09	660	>50
G0791688		3.08	0.11	3.88	<5	90	0.91	0.21	14.40	0.16	33.0	52.9	<1	0.32	613	17.45
G0791689		8.20	0.08	5.96	3.0	400	0.96	0.11	9.94	0.12	34.8	45.2	46	0.42	216	10.10
G0791690		4.42	0.27	1.33	2.0	10	0.16	0.21	2.72	0.21	6.88	107.5	<1	0.11	632	>50
G0791691		8.26	0.27	1.40	2.8	20	0.20	0.23	3.64	0.38	6.52	152.5	<1	0.11	664	>50
G0791692		8.94	0.26	0.79	5.5	30	0.09	0.12	1.53	0.42	8.25	116.0	<1	0.16	546	>50
G0791693		4.34	0.21	0.46	3.3	10	0.05	0.10	1.44	0.28	6.86	105.0	<1	0.05	433	>50
G0791694		5.42	0.03	8.92	0.5	590	1.28	0.06	5.61	0.06	32.3	19.6	13	1.75	107.5	7.10
G0791695		3.78	0.03	9.02	0.2	570	1.21	0.03	5.67	0.07	31.6	18.1	<1	2.60	86.1	6.30
G0791696		1.16	<0.01	6.60	0.6	500	1.73	0.04	3.52	0.04	41.7	5.0	7	0.12	24.4	1.85
G0791697		5.46	0.19	3.18	3.5	200	0.39	0.08	2.94	0.18	15.75	72.9	<1	0.46	359	43.4
G0791698		8.20	0.19	1.45	2.7	30	0.14	0.08	4.72	0.09	4.68	28.6	<1	0.12	112.0	>50
G0791699		3.30	0.20	1.03	1.8	10	0.12	0.10	4.37	0.07	3.49	40.5	<1	0.06	83.8	>50
G0791700		6.68	0.03	9.24	0.3	520	0.81	0.07	8.39	0.04	21.4	19.8	2	1.28	54.9	6.43
G0791701		4.58	0.27	1.51	3.3	80	0.36	0.41	6.93	0.11	6.69	229	2	0.27	974	46.9

***** See Appendix Page for comments regarding this certificate *****

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ALS Minerals

To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 27-MAY-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11076968

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
G0791661		5.85	0.83	0.3	0.334	0.08	6.6	2.2	1.88	2700	0.36	0.09	1.8	12.1	310	1.1
G0791662		5.54	0.80	0.6	0.234	0.11	11.1	3.0	1.80	3270	0.33	0.16	1.8	11.4	620	2.0
G0791663		2.88	0.79	0.1	0.084	0.02	6.2	0.7	0.86	2330	0.30	0.02	1.0	9.1	250	1.5
G0791664		2.91	0.79	0.1	0.051	0.01	4.4	0.5	0.80	1680	0.26	0.02	0.9	4.1	240	0.7
G0791666		3.79	0.84	0.1	0.051	0.01	3.1	0.4	0.53	1390	0.32	0.02	0.9	6.9	270	0.8
G0791667		2.33	0.77	0.1	0.089	0.02	2.8	0.5	0.73	2030	0.21	0.01	0.9	4.2	100	0.6
G0791668		2.01	0.78	0.1	0.096	0.02	4.5	0.6	0.95	2660	0.20	0.01	1.0	3.5	230	0.6
G0791669		2.56	0.81	0.1	0.124	0.02	6.5	0.6	1.07	2990	0.54	0.01	0.9	6.2	620	0.9
G0791670		4.24	0.97	0.1	0.138	0.01	2.3	0.7	0.91	2770	0.33	0.03	1.5	8.6	270	0.7
G0791671		8.70	0.72	0.3	0.373	0.02	1.4	2.1	1.51	4630	0.51	0.06	2.1	58.4	220	4.2
G0791672		8.10	0.24	0.6	0.515	0.01	5.1	1.2	1.87	7120	0.16	0.05	2.7	7.2	390	0.5
G0791673		2.69	0.78	0.1	0.142	0.02	2.5	0.7	1.41	2010	0.37	0.03	1.0	7.2	70	1.1
G0791674		15.65	0.18	1.2	0.083	1.07	12.6	4.7	3.07	1650	1.06	2.66	4.0	26.8	1500	1.3
G0791675		13.20	0.14	1.2	0.057	0.89	20.2	1.4	0.45	460	0.73	4.05	11.9	1.6	460	2.3
G0791676		13.70	0.15	1.0	0.065	0.08	7.3	6.9	5.22	1320	3.30	0.07	3.2	55.1	1220	2.5
G0791677		14.85	0.16	1.0	0.081	0.68	11.2	10.5	4.67	3240	0.70	2.05	3.2	106.5	1380	1.2
G0791678		3.32	0.75	0.3	0.252	0.01	7.4	0.7	1.48	3120	0.32	0.02	1.3	17.4	590	1.9
G0791679		12.55	0.35	1.1	0.173	0.03	16.1	4.6	2.99	3220	1.60	0.11	2.9	44.8	900	9.3
G0791680		14.65	0.14	0.6	0.042	1.23	13.8	3.4	1.18	961	0.79	3.68	7.7	6.7	990	3.7
G0791681		11.70	0.19	1.1	0.207	0.13	15.2	6.1	4.68	2160	0.42	0.18	3.7	38.8	1340	1.6
G0791682		4.30	0.73	0.1	0.079	0.02	8.2	0.6	0.45	1720	0.36	0.03	1.4	30.5	440	1.0
G0791683		14.60	0.23	1.1	0.376	1.10	29.3	2.7	0.88	2170	0.67	3.32	11.3	3.1	840	1.8
G0791684		4.93	0.76	0.2	0.152	0.03	8.2	1.1	0.81	2350	0.42	0.04	1.2	19.2	360	1.0
G0791685		7.32	0.97	0.2	0.185	0.03	5.6	1.4	1.01	3440	0.30	<0.01	1.4	17.0	320	0.8
G0791686		4.02	0.88	0.1	0.094	0.02	3.7	0.6	0.63	2600	0.29	<0.01	1.2	13.3	150	0.7
G0791687		5.19	0.95	0.2	0.105	0.02	5.1	0.8	0.72	2080	0.33	<0.01	1.3	14.1	170	0.6
G0791688		9.11	0.28	3.0	0.658	0.04	13.9	1.8	2.63	5330	1.46	0.06	5.7	5.8	330	1.9
G0791689		11.85	0.20	2.3	0.359	1.06	15.2	3.0	2.33	3180	2.98	1.19	6.9	24.3	610	1.9
G0791690		6.87	0.89	0.3	0.227	0.03	4.0	1.2	1.09	2150	0.59	0.02	1.8	14.5	190	1.1
G0791691		6.72	0.98	0.3	0.187	0.02	3.7	1.3	1.15	3170	0.46	<0.01	1.9	16.6	210	1.4
G0791692		5.15	0.91	0.1	0.123	0.02	5.8	0.8	0.93	3100	0.37	<0.01	1.3	13.9	480	1.6
G0791693		4.57	0.93	0.1	0.116	0.01	4.7	0.6	0.99	3150	2.47	<0.01	1.3	13.1	240	1.2
G0791694		19.45	0.14	1.1	0.054	1.34	13.7	5.7	1.47	1060	1.09	2.78	5.5	7.4	1660	1.8
G0791695		21.4	0.16	1.4	0.069	1.39	12.9	5.8	1.29	1340	0.90	3.42	6.6	2.2	1820	2.1
G0791696		14.90	0.14	1.0	0.050	1.14	16.9	1.4	0.43	442	0.91	3.90	12.8	2.3	480	2.0
G0791697		10.00	0.85	0.6	0.131	0.45	8.1	2.7	1.25	3030	0.46	1.00	2.8	7.3	830	5.3
G0791698		9.55	1.30	0.3	0.284	0.05	2.5	1.3	1.02	2990	0.22	0.06	2.3	2.8	120	0.9
G0791699		11.45	1.14	0.2	0.358	0.01	2.0	0.9	0.96	2790	0.24	0.04	1.9	3.2	60	1.1
G0791700		21.2	0.15	1.0	0.061	1.28	8.6	6.1	1.52	1240	0.99	2.11	3.9	3.8	1390	1.4
G0791701		9.49	1.18	0.4	0.292	0.04	3.7	2.1	1.80	3360	5.78	0.03	1.8	22.7	260	0.8

***** See Appendix Page for comments regarding this certificate *****

CERTIFICATE OF ANALYSIS VA11076968

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1
G0791661		4.0	0.006	2.43	0.21	5.2	1	2.5	63.4	0.05	0.25	0.3	0.087	0.05	2.8	69
G0791662		4.6	0.006	2.51	0.33	15.3	1	2.6	73.3	0.07	0.27	0.9	0.208	0.09	3.2	95
G0791663		1.4	0.011	3.67	0.31	0.9	1	2.3	12.0	<0.05	0.42	0.2	0.018	0.10	2.9	23
G0791664		0.7	0.010	2.52	0.17	0.7	1	2.8	8.0	<0.05	0.26	<0.2	0.012	0.04	4.4	23
G0791666		0.4	0.015	3.63	0.28	0.7	1	2.4	7.5	<0.05	0.30	<0.2	0.015	0.11	2.7	15
G0791667		1.0	0.009	2.95	0.17	0.8	1	2.1	5.7	<0.05	0.36	<0.2	0.017	0.05	2.3	26
G0791668		1.6	0.006	2.50	0.09	0.8	1	1.5	7.4	<0.05	0.32	0.2	0.016	0.02	2.3	23
G0791669		0.6	0.009	3.29	0.15	1.0	1	1.4	9.7	<0.05	0.45	0.3	0.019	0.06	1.9	33
G0791670		0.6	0.007	2.47	0.13	0.7	1	1.7	9.1	<0.05	0.28	<0.2	0.032	0.03	1.1	29
G0791671		1.4	0.011	8.66	1.48	8.1	4	4.5	131.0	0.05	0.63	<0.2	0.133	0.19	0.6	83
G0791672		0.7	<0.002	0.21	0.33	8.4	1	5.7	44.3	0.09	<0.05	0.3	0.197	<0.02	2.3	66
G0791673		0.4	0.008	4.12	0.30	1.9	1	1.8	15.3	<0.05	0.40	0.2	0.029	0.21	1.1	24
G0791674		26.8	0.002	0.07	0.27	32.4	1	1.0	677	0.21	<0.05	1.6	0.609	0.09	0.7	243
G0791675		18.7	<0.002	0.07	1.26	10.4	1	2.3	369	0.80	<0.05	5.9	0.320	0.09	2.1	27
G0791676		4.7	0.005	4.24	1.62	42.4	2	0.6	3350	0.17	0.11	0.9	0.456	0.05	1.9	252
G0791677		17.2	0.003	0.03	0.29	39.4	1	0.8	392	0.16	0.23	1.2	0.595	0.07	0.5	250
G0791678		0.7	0.009	5.75	0.28	7.3	2	2.4	33.9	<0.05	0.50	0.3	0.079	0.16	3.1	90
G0791679		0.5	0.008	8.52	5.06	26.4	3	2.3	695	0.17	1.79	1.9	0.312	0.21	3.1	151
G0791680		30.3	<0.002	0.44	0.86	21.5	1	1.1	548	0.43	0.17	2.8	0.495	0.14	1.4	82
G0791681		4.1	0.012	2.41	0.88	35.7	2	3.1	397	0.14	0.19	1.1	0.418	0.07	3.6	207
G0791682		0.7	0.013	3.01	0.19	1.1	1	1.0	33.3	<0.05	0.35	0.3	0.029	0.07	3.5	48
G0791683		34.6	0.002	0.20	0.47	14.5	2	3.6	601	0.63	<0.05	4.0	0.442	0.08	4.4	53
G0791684		0.9	0.010	3.36	0.24	2.5	1	1.2	34.6	<0.05	0.37	0.2	0.046	0.17	2.2	62
G0791685		1.1	0.009	2.47	0.26	4.3	2	1.6	35.5	<0.05	0.37	0.2	0.054	0.06	2.5	75
G0791686		0.7	0.011	2.76	0.10	1.6	2	1.1	12.0	<0.05	0.34	<0.2	0.017	0.07	2.6	40
G0791687		0.8	0.010	2.91	0.11	1.2	1	1.2	10.9	<0.05	0.34	0.3	0.015	0.11	1.5	49
G0791688		1.9	0.005	1.16	0.72	2.5	2	5.9	356	0.39	0.09	3.0	0.052	0.03	7.9	27
G0791689		24.1	0.006	0.88	0.50	13.7	2	3.8	326	0.44	0.08	3.3	0.215	0.09	4.3	90
G0791690		1.5	0.008	2.55	0.30	4.1	1	1.7	94.2	0.05	0.29	0.3	0.049	0.05	2.8	49
G0791691		1.1	0.017	3.44	0.30	3.3	2	1.9	72.2	<0.05	0.42	0.3	0.051	0.10	2.2	54
G0791692		1.0	0.010	2.55	0.16	2.8	1	1.7	24.6	<0.05	0.32	0.2	0.034	0.03	2.4	65
G0791693		0.5	0.006	2.05	0.16	1.4	1	1.5	10.6	<0.05	0.18	0.2	0.021	<0.02	2.1	47
G0791694		36.5	0.002	0.56	0.33	22.0	2	1.1	612	0.28	0.05	2.1	0.549	0.14	0.9	169
G0791695		37.5	0.002	0.20	0.20	24.8	2	0.8	628	0.32	<0.05	2.4	0.587	0.15	1.0	173
G0791696		23.4	0.002	0.07	1.01	11.0	2	2.1	348	0.75	<0.05	4.7	0.310	0.10	1.8	25
G0791697		15.8	0.004	1.47	0.15	11.5	1	1.5	186.5	0.11	0.21	1.1	0.219	0.05	1.3	96
G0791698		1.1	0.002	0.28	0.14	2.7	1	1.7	48.4	0.05	<0.05	0.2	0.066	<0.02	1.3	54
G0791699		0.6	0.002	0.48	0.28	1.2	1	1.5	62.2	<0.05	0.05	<0.2	0.048	0.07	1.2	52
G0791700		27.2	0.002	0.13	0.44	30.2	1	1.1	820	0.19	<0.05	1.2	0.617	0.09	0.5	251
G0791701		1.4	0.007	3.00	0.27	6.4	3	2.6	81.7	<0.05	0.20	0.2	0.123	0.09	1.5	72

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 27-MAY-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11076968

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Fe-OG62 Fe % 0.01	Au-AA24 Au ppm 0.005
G0791661		0.2	7.0	366	10.5	46.9	<0.005
G0791662		0.6	14.8	662	16.3	43.2	<0.005
G0791663		0.3	2.7	271	2.4	61.9	<0.005
G0791664		0.4	2.5	140	1.8	62.7	0.012
G0791666		0.2	1.8	118	1.9	63.6	<0.005
G0791667		0.2	1.7	210	2.2	63.1	<0.005
G0791668		0.1	2.1	338	2.6	64.0	<0.005
G0791669		0.2	2.3	470	2.7	63.6	<0.005
G0791670		1.4	5.4	209	3.4	54.6	<0.005
G0791671		6.2	21.3	96	7.6	32.0	0.011
G0791672		2.2	33.3	69	18.7		<0.005
G0791673		0.2	2.5	430	3.8	59.3	<0.005
G0791674		0.8	23.8	101	29.9		<0.005
G0791675		1.6	35.6	24	20.4		<0.005
G0791676		0.5	12.0	101	32.3		<0.005
G0791677		1.2	15.1	150	23.0		<0.005
G0791678		0.5	4.9	725	9.8	47.0	<0.005
G0791679		3.9	23.6	152	27.8		0.114
G0791680		2.6	32.7	55	13.3		0.006
G0791681		0.8	14.0	287	34.0		<0.005
G0791682		0.2	3.2	180	2.9	61.0	<0.005
G0791683		0.9	47.0	85	18.7		<0.005
G0791684		0.2	3.5	297	5.3	53.6	<0.005
G0791685		0.4	8.8	314	6.6	57.5	<0.005
G0791686		0.3	2.2	275	3.1	63.2	<0.005
G0791687		0.1	2.3	261	6.0	66.4	<0.005
G0791688		0.5	24.3	115	97.5		<0.005
G0791689		0.8	28.0	79	68.7		<0.005
G0791690		0.2	4.0	272	9.3	58.8	<0.005
G0791691		0.4	6.6	290	10.9	54.9	<0.005
G0791692		0.5	2.9	423	7.6	63.0	<0.005
G0791693		0.7	2.3	426	5.7	63.8	<0.005
G0791694		0.5	24.2	67	34.1		<0.005
G0791695		0.6	27.2	79	44.6		<0.005
G0791696		1.6	37.1	26	19.3		<0.005
G0791697		0.6	11.3	359	16.8	42.8	0.008
G0791698		0.6	10.4	148	7.8	54.8	<0.005
G0791699		0.5	7.0	191	6.0	56.4	<0.005
G0791700		1.3	20.8	74	23.4		<0.005
G0791701		0.6	10.0	194	13.9	44.4	<0.005

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 27-MAY-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11076968

Sample Description / Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	ME-MS61 Fe % 0.01
G0791702	4.90	0.20	1.57	1.2	80	0.10	0.16	1.74	0.08	5.62	94.0	35	0.16	435	>50
G0791703	9.88	0.28	0.52	1.2	10	0.06	0.16	0.93	0.31	2.35	129.0	<1	0.07	601	>50
G0791704	3.02	0.03	9.24	6	140	0.56	0.07	10.55	0.46	19.95	33.3	35	0.21	43.5	8.88
G0791705	4.26	0.31	1.57	3.2	10	0.15	0.16	3.03	0.51	6.74	131.5	<1	0.08	649	>50
G0791706	2.78	0.29	0.79	3.4	10	0.13	0.13	2.07	0.33	5.04	131.5	<1	0.09	778	>50
G0791707	4.44	0.01	7.75	0.3	620	1.33	0.02	4.23	0.03	30.2	13.3	32	0.60	11.0	4.22
G0791708	4.32	0.02	9.21	0.6	660	1.20	0.05	5.38	0.04	31.8	17.0	<1	1.72	71.9	5.38
G0791709	5.08	0.11	7.56	15	50	0.33	0.47	15.00	0.11	97.9	57.4	<1	0.17	344	13.00
G0791710	6.84	0.28	5.53	8	170	0.80	0.38	13.20	0.14	32.9	107.0	<1	0.41	894	18.35
G0791711	6.04	0.05	6.52	9	150	1.00	0.43	15.80	0.11	49.1	66.3	<1	0.49	114.0	12.65
G0791712	4.02	0.14	6.72	<5	150	1.12	0.53	14.55	0.11	43.6	53.9	<1	0.34	307	12.35
G0791713	3.02	0.30	0.80	3.7	20	0.13	0.14	2.19	0.30	5.88	140.0	<1	0.09	639	>50
G0791714	5.30	0.50	2.89	24	120	0.44	0.37	15.10	0.24	1.99	84.0	<1	0.28	1165	31.6
G0791715	6.00	0.08	7.23	<5	120	1.50	0.47	14.05	0.09	46.0	40.9	2	0.22	87.6	10.70
G0791716	1.62	0.32	1.46	17	70	1.15	0.25	11.85	0.22	1.56	97.7	1	0.19	460	17.45
G0791717	4.42	0.36	0.50	10.8	10	0.77	0.29	7.35	0.19	0.34	90.7	<1	0.05	391	41.5
G0791718	6.92	0.34	5.98	9.7	190	0.72	0.23	9.89	0.17	15.00	88.5	15	0.32	466	9.51
G0791719	3.92	0.17	1.09	14	20	0.76	0.11	12.05	0.18	1.39	50.7	<1	0.09	185.0	19.95
G0791720	3.16	0.04	4.01	<5	40	1.11	0.08	12.30	0.18	6.27	41.0	2	0.12	28.0	7.25
G0791721	1.26	0.13	5.82	9.5	230	0.36	0.09	9.32	0.19	9.25	59.1	7	0.20	147.5	12.45
G0791722	1.78	0.12	2.18	20	30	0.65	0.05	10.05	0.17	3.03	49.2	2	0.10	27.3	24.8
G0791723	3.40	0.04	6.40	1.4	440	1.12	0.06	9.48	0.11	33.5	11.3	4	0.27	64.0	5.25
G0791743	2.74	<0.01	9.15	11	750	1.31	0.06	10.55	0.04	48.4	15.1	35	0.25	22.8	3.93
G0791745	5.50	0.26	0.88	5.4	10	0.05	0.06	1.94	0.18	6.37	85.2	<1	0.05	596	>50
G0791746	7.98	0.28	0.77	2.6	10	<0.05	0.10	1.02	0.21	3.25	98.6	<1	0.05	685	>50
G0791747	8.42	0.30	0.51	1.6	10	<0.05	0.14	0.79	0.24	3.25	96.2	<1	<0.05	571	>50
G0791748	8.94	0.27	0.50	3.7	10	<0.05	0.27	1.13	0.16	3.58	118.0	<1	<0.05	588	>50
G0791749	8.42	0.27	0.71	3.8	10	<0.05	0.18	0.86	0.17	2.65	96.5	<1	0.07	570	>50
G0791750	4.24	0.20	1.38	7.6	10	0.16	0.26	2.60	0.18	7.24	99.5	<1	0.16	579	>50
G0791751	2.90	0.23	6.03	14	30	1.08	0.24	11.15	0.11	29.9	49.6	7	0.15	824	15.00
G0791752	2.84	0.02	4.29	0.9	20	1.55	0.06	6.87	0.03	31.6	15.7	6	0.16	60.1	6.16
G0791753	5.66	0.06	7.13	16	30	0.30	0.08	17.55	0.24	14.90	30.7	171	0.33	84.5	5.77
G0791754	1.96	0.03	4.62	11	30	0.31	0.06	15.25	0.11	12.55	24.7	116	0.33	65.4	4.41
G0791755	1.62	0.05	4.23	11	240	0.24	0.08	14.45	0.22	11.50	29.1	109	0.70	86.4	4.87
G0791756	7.32	0.06	7.54	18	280	0.31	0.06	16.05	0.09	12.20	33.2	181	1.06	85.9	6.08
G0791757	5.14	0.06	8.15	19	260	0.38	0.17	10.50	0.09	13.60	24.1	13	2.48	83.0	5.61
G0791758	4.52	<0.01	6.77	1.1	1130	1.33	0.13	2.07	0.13	43.3	4.0	4	1.09	11.4	2.07
G0791759	6.36	<0.01	0.36	<5	30	<0.05	0.01	22.0	<0.02	1.51	1.0	8	0.66	4.6	0.43
G0791760	4.06	0.04	7.60	1.3	610	1.27	0.05	7.01	0.10	45.6	20.8	6	1.10	168.0	8.16

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4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 27-MAY-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11076968

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	ME-MS61 Pb ppm 0.5
G0791702		5.09	0.86	0.2	0.088	0.10	3.1	1.9	1.60	2330	0.28	0.16	1.7	22.5	180	0.6
G0791703		2.99	0.87	<0.1	0.087	0.03	1.4	0.6	1.12	2460	0.22	<0.01	1.4	6.1	30	1.0
G0791704		17.15	0.16	0.8	0.083	0.31	8.2	9.5	3.28	2820	0.35	0.76	2.7	23.9	1070	7.7
G0791705		4.49	0.86	0.3	0.128	0.02	4.2	1.0	1.42	3870	0.52	<0.01	1.5	6.5	370	1.8
G0791706		2.42	0.83	0.3	0.160	0.03	3.1	0.5	1.32	6810	0.28	<0.01	1.3	5.1	250	1.4
G0791707		18.15	0.14	0.6	0.053	1.62	12.8	3.5	1.39	934	1.75	2.99	7.8	15.5	830	2.7
G0791708		19.80	0.17	1.3	0.084	1.18	13.7	5.7	1.26	1160	1.38	3.45	6.1	2.0	1730	1.6
G0791709		31.3	0.31	1.2	4.20	0.07	52.2	3.3	0.66	3270	0.14	0.12	5.5	12.5	310	1.8
G0791710		21.3	0.35	0.9	2.09	0.20	16.3	3.1	1.05	4010	0.23	0.29	5.0	21.8	430	1.7
G0791711		23.8	0.26	1.2	2.67	0.08	23.8	2.3	1.45	4250	0.22	0.06	9.1	7.9	600	2.7
G0791712		25.4	0.27	1.0	3.09	0.07	21.4	1.9	1.44	3670	0.15	0.13	7.5	6.4	600	2.3
G0791713		2.73	0.92	0.2	0.202	0.03	3.6	0.7	1.28	6610	0.26	<0.01	1.4	5.9	280	1.4
G0791714		14.40	0.45	0.2	0.682	0.02	0.9	0.6	0.15	6420	0.18	<0.01	4.0	36.4	60	0.6
G0791715		28.2	0.25	1.1	2.93	0.09	20.6	2.2	1.41	2960	0.26	0.19	9.2	3.1	800	2.4
G0791716		5.77	0.22	0.2	0.641	0.05	0.8	3.5	5.17	3840	0.50	0.11	0.6	13.6	110	1.9
G0791717		5.44	1.06	<0.1	0.205	0.01	<0.5	2.0	3.37	2240	0.74	0.02	0.6	10.9	60	1.0
G0791718		12.25	0.17	0.8	0.228	0.36	7.2	7.8	5.32	2260	0.80	0.61	2.7	22.7	870	2.7
G0791719		4.64	0.25	0.2	0.307	0.02	0.6	6.7	7.20	2590	0.43	0.05	0.6	5.2	110	0.9
G0791720		8.44	0.12	0.4	0.310	0.02	2.4	20.5	9.57	3600	0.35	0.05	0.9	8.8	400	1.3
G0791721		11.65	0.22	0.6	0.112	0.13	3.8	16.4	8.57	2240	0.43	0.19	1.4	18.4	460	5.8
G0791722		7.13	0.39	0.2	0.166	0.05	1.3	8.0	5.12	2620	0.29	0.10	0.8	4.9	130	2.5
G0791723		14.30	0.15	1.1	0.093	0.93	15.2	6.2	2.28	1140	5.04	2.76	5.9	0.2	1140	2.4
G0791743		18.70	0.18	2.7	0.123	1.63	18.2	2.4	1.45	1960	25.2	1.19	12.4	12.5	420	2.1
G0791745		2.19	0.80	0.2	0.321	0.01	4.1	0.8	1.28	8790	0.37	0.01	1.6	3.6	190	0.9
G0791746		2.30	0.73	0.1	0.307	0.02	2.0	1.1	1.57	8950	0.37	0.03	1.4	4.1	70	0.8
G0791747		1.88	0.74	0.1	0.263	0.02	2.1	0.5	1.08	8520	0.58	0.01	1.3	2.2	10	0.8
G0791748		2.02	0.73	0.2	0.237	0.01	2.5	0.7	1.29	6380	0.65	0.01	1.3	2.7	90	0.8
G0791749		2.45	0.72	0.2	0.296	0.01	1.6	0.9	1.47	7660	0.55	0.01	1.5	2.5	70	0.8
G0791750		5.57	0.54	0.4	0.326	0.01	3.6	1.2	1.95	4520	1.32	0.02	1.4	3.5	120	1.5
G0791751		13.10	0.21	1.9	0.295	0.08	14.1	2.5	3.48	3840	3.99	0.11	4.6	7.0	530	3.7
G0791752		9.14	0.14	2.5	0.100	0.08	15.0	16.3	13.05	1320	1.03	0.21	5.1	6.5	360	2.2
G0791753		11.50	0.14	0.7	0.048	0.03	7.9	7.1	5.25	1240	3.46	0.08	2.8	43.7	1160	3.8
G0791754		7.43	0.10	0.5	0.035	0.04	6.7	8.9	10.25	746	1.25	0.08	3.6	41.3	350	1.0
G0791755		6.91	0.10	0.4	0.033	0.30	6.8	35.4	10.95	912	0.73	0.03	2.5	40.6	460	1.0
G0791756		12.25	0.12	0.7	0.042	0.78	5.5	14.9	3.50	953	8.55	0.73	1.9	47.8	1020	3.3
G0791757		13.75	0.13	1.1	0.042	1.23	6.2	15.4	4.78	919	3.67	0.71	1.9	15.7	1070	1.9
G0791758		14.25	0.13	4.1	0.038	3.05	20.1	5.7	1.54	270	1.90	2.31	9.1	0.4	240	6.9
G0791759		0.78	0.05	0.1	0.007	0.11	0.8	2.5	0.78	40	0.18	0.01	0.3	<0.2	60	<0.5
G0791760		18.35	0.19	1.6	0.086	1.36	20.5	6.4	4.81	1490	1.27	1.78	7.0	6.7	2520	2.3

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Finalized Date: 27-MAY-2011
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CERTIFICATE OF ANALYSIS VA11076968

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1	1
G0791702		3.0	0.004	1.79	0.16	6.4	1	1.1	80.9	<0.05	0.20	0.3	0.080	0.05	1.2	64
G0791703		1.1	0.006	2.80	0.11	1.1	1	1.1	12.4	<0.05	0.25	<0.2	0.015	0.04	1.6	31
G0791704		3.9	<0.002	0.33	0.37	33.9	1	0.8	517	0.13	0.05	0.9	0.540	0.02	0.5	292
G0791705		0.5	0.006	2.59	0.28	5.1	1	1.8	101.0	<0.05	0.25	0.3	0.076	0.08	1.9	41
G0791706		1.2	0.007	2.82	0.42	2.3	1	1.7	28.5	<0.05	0.32	0.2	0.037	0.08	1.7	28
G0791707		38.2	<0.002	0.08	0.56	16.9	1	1.0	479	0.39	<0.05	2.1	0.415	0.14	0.9	92
G0791708		36.0	<0.002	0.24	0.25	23.5	2	0.9	532	0.31	<0.05	2.3	0.561	0.15	1.0	161
G0791709		3.4	<0.002	0.09	0.71	8.7	2	12.4	1160	0.28	<0.05	1.9	0.197	<0.02	23.3	51
G0791710		8.2	<0.002	0.19	0.71	9.4	1	7.2	778	0.23	<0.05	1.7	0.211	0.04	9.1	76
G0791711		4.9	<0.002	0.12	1.39	9.5	2	9.0	979	0.51	<0.05	3.2	0.296	0.02	12.1	51
G0791712		2.6	<0.002	0.09	0.99	8.9	2	9.0	1110	0.41	<0.05	3.5	0.258	<0.02	14.7	54
G0791713		1.3	0.007	2.94	0.43	2.4	1	1.7	44.8	<0.05	0.34	0.2	0.038	0.09	1.9	28
G0791714		1.4	<0.002	0.20	0.27	1.1	1	5.5	70.6	0.06	0.06	<0.2	0.050	<0.02	1.2	47
G0791715		3.2	<0.002	0.09	1.30	14.1	2	8.3	1290	0.46	<0.05	2.6	0.371	0.02	10.2	60
G0791716		1.4	0.005	1.49	0.61	3.3	1	1.0	117.0	<0.05	0.17	<0.2	0.054	<0.02	0.3	36
G0791717		0.3	0.005	2.07	0.44	0.5	1	0.4	31.0	<0.05	0.27	<0.2	0.015	0.02	0.1	27
G0791718		11.6	0.006	1.59	1.00	21.6	2	1.2	385	0.12	0.17	0.7	0.408	0.06	2.1	186
G0791719		0.5	0.002	0.60	0.48	2.8	1	0.5	68.8	<0.05	0.07	<0.2	0.052	<0.02	0.5	32
G0791720		0.4	<0.002	0.13	0.40	11.5	1	1.1	145.0	<0.05	<0.05	0.2	0.185	<0.02	0.9	103
G0791721		2.0	0.005	0.56	0.53	15.2	1	0.7	488	0.06	<0.05	0.4	0.279	0.02	0.8	162
G0791722		1.5	<0.002	0.27	0.47	5.0	1	0.6	184.0	<0.05	<0.05	<0.2	0.095	<0.02	0.6	73
G0791723		26.6	0.002	0.40	0.34	10.9	1	1.1	615	0.36	<0.05	2.5	0.466	0.10	2.7	29
G0791743		38.6	0.040	0.04	0.46	14.4	2	3.4	326	0.90	<0.05	6.1	0.298	0.12	3.7	101
G0791745		0.3	0.006	2.72	0.14	1.1	2	1.6	19.7	<0.05	0.33	0.4	0.034	0.10	1.2	35
G0791746		0.5	0.005	2.61	0.19	0.9	1	1.3	18.0	<0.05	0.30	0.2	0.029	0.08	1.3	42
G0791747		0.6	0.005	2.49	0.11	0.7	1	1.4	13.4	<0.05	0.26	<0.2	0.017	0.05	1.8	22
G0791748		0.4	0.006	3.70	0.11	0.9	2	1.4	10.0	<0.05	0.47	0.2	0.023	0.05	1.6	26
G0791749		0.4	0.005	3.04	0.13	0.8	1	1.4	10.8	<0.05	0.26	0.2	0.023	0.13	1.0	44
G0791750		0.4	0.008	3.60	0.18	3.0	2	2.5	36.5	0.06	0.34	0.5	0.069	0.20	1.5	86
G0791751		1.9	0.016	3.89	0.53	14.5	3	4.6	506	0.30	0.25	1.8	0.390	0.23	2.3	121
G0791752		2.8	0.005	0.39	0.13	7.1	1	2.0	389	0.45	<0.05	5.2	0.177	0.03	2.5	64
G0791753		1.7	0.011	2.21	0.21	39.4	2	0.4	648	0.06	<0.05	1.0	0.328	0.05	6.0	293
G0791754		0.9	0.018	2.03	0.31	27.8	2	0.3	1370	0.07	<0.05	0.4	0.240	0.21	2.0	159
G0791755		14.0	0.022	2.10	0.18	23.7	1	0.3	862	<0.05	0.05	0.4	0.191	0.15	1.6	126
G0791756		29.4	0.003	3.61	1.30	40.0	1	0.4	3230	0.05	<0.05	0.6	0.336	0.16	1.8	266
G0791757		51.7	0.004	3.84	1.17	24.3	3	0.6	2870	0.11	0.05	1.1	0.451	0.32	2.2	192
G0791758		78.5	0.002	0.66	0.48	7.1	1	0.9	1180	0.55	<0.05	6.3	0.170	0.35	2.5	20
G0791759		5.8	<0.002	>10.0	0.06	1.0	1	<0.2	1650	<0.05	<0.05	<0.2	0.020	0.05	0.5	4
G0791760		43.5	0.002	0.19	0.72	27.6	2	1.2	846	0.34	<0.05	3.0	0.795	0.20	1.2	259

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 27-MAY-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11076968

Sample Description	Method Analyte Units LOR	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Fe-OG62 Fe % 0.01	Au-AA24 Au ppm 0.005
G0791702		0.4	4.0	274	8.1	59.6	<0.005
G0791703		0.2	1.6	314	4.2	61.3	<0.005
G0791704		0.9	18.3	157	19.3		<0.005
G0791705		0.4	4.3	508	10.0	56.5	<0.005
G0791706		0.4	3.3	814	7.9	61.6	0.005
G0791707		1.9	26.9	51	14.9		<0.005
G0791708		0.9	25.8	65	36.8		<0.005
G0791709		1.5	62.5	45	31.5		0.008
G0791710		1.8	35.8	90	27.4		0.031
G0791711		1.2	43.6	69	31.6		<0.005
G0791712		2.4	41.8	64	28.8		0.010
G0791713		0.4	3.1	778	6.6	61.8	0.006
G0791714		11.8	22.6	106	5.4	32.5	0.035
G0791715		1.1	36.0	60	28.8		<0.005
G0791716		0.7	2.5	101	5.3		0.006
G0791717		1.0	0.5	91	1.1	41.7	0.005
G0791718		1.2	14.0	91	26.0		0.008
G0791719		1.0	1.6	134	6.9		<0.005
G0791720		2.7	6.6	246	13.3		<0.005
G0791721		1.4	10.1	145	16.5		<0.005
G0791722		0.9	4.0	130	5.4	27.1	<0.005
G0791723		1.2	30.8	59	26.7		<0.005
G0791743		1.9	49.3	70	68.4		<0.005
G0791745		0.4	3.2	1140	7.1	59.6	<0.005
G0791746		0.2	1.8	1180	3.6	61.4	<0.005
G0791747		0.3	1.8	1100	2.8	63.8	<0.005
G0791748		0.4	1.6	773	5.2	63.3	<0.005
G0791749		0.3	1.5	1180	5.4	61.9	<0.005
G0791750		0.6	4.1	784	11.7	53.9	0.005
G0791751		1.3	21.2	223	58.5		0.006
G0791752		0.4	19.9	119	61.0		<0.005
G0791753		0.8	12.2	60	23.9		<0.005
G0791754		0.3	8.8	54	18.3		<0.005
G0791755		0.3	6.2	53	13.5		0.016
G0791756		0.7	11.8	78	22.6		<0.005
G0791757		0.7	11.6	77	31.2		<0.005
G0791758		0.9	29.2	32	135.5		<0.005
G0791759		0.1	0.9	5	2.7		<0.005
G0791760		0.7	33.8	118	43.3		<0.005

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 27-MAY-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11076968

CERTIFICATE COMMENTS

Method	
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 8-JUN-2011
This copy reported on 15-JUN-2011
Account: PJV

CERTIFICATE VA11083101

Project: Pearson-Bugaboo
P.O. No.:
This report is for 62 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 13-MAY-2011.

The following have access to data associated with this certificate:

PERRY HEATHERINGTON KLAUS TRIEBEL	TIM NORRIS	ACCOUNTS PAYABLE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Fe-OG62	Ore Grade Fe - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS

To: PACIFIC IRON ORE CORPORATION
ATTN: KLAUS TRIEBEL
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Minerals
ALS Canada Ltd.
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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 8-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11083101

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
G0791724		5.54	<0.005	0.07	8.72	1.8	190	0.91	0.06	4.90	0.05	20.8	19.9	12	1.40	41.8
G0791725		1.76	0.005	0.05	8.64	1.7	410	1.13	0.06	5.00	0.04	36.9	31.7	34	0.62	61.4
G0791726		3.46	<0.005	0.05	8.44	1.1	300	0.57	0.06	6.12	0.05	13.85	41.3	91	0.77	112.5
G0791728		4.88	0.007	0.08	6.59	16	140	0.84	0.19	15.05	0.11	388	44.8	183	0.13	138.5
G0791729		2.02	<0.005	0.09	6.06	15	70	0.46	0.20	13.90	0.13	45.3	48.7	177	0.11	187.5
G0791730		5.90	0.005	0.12	4.24	10.7	20	0.30	0.19	8.96	0.11	146.5	79.3	141	0.14	299
G0791731		3.34	<0.005	0.06	7.33	7	260	0.56	0.13	12.25	0.10	33.9	44.9	88	0.32	78.8
G0791732		4.16	0.014	0.11	5.81	15	20	0.46	0.19	12.25	0.13	25.4	57.6	136	0.09	275
G0791733		4.40	0.005	0.14	6.21	15	20	0.47	0.21	11.30	0.10	18.60	73.8	141	0.10	398
G0791734		2.24	0.006	0.14	1.50	7.5	10	0.17	0.08	2.98	0.09	11.50	89.8	15	0.44	106.5
G0791735		4.26	0.005	0.11	4.49	23	20	0.56	0.14	12.85	0.12	22.0	61.0	58	0.12	234
G0791736		6.94	0.005	0.21	6.55	21	20	0.55	0.19	16.15	0.15	18.85	47.0	136	0.07	229
G0791737		3.74	<0.005	0.05	8.26	2.1	670	0.45	0.11	9.24	0.07	14.75	39.8	166	0.68	35.4
G0791738		8.82	0.014	0.28	0.97	4.3	10	0.11	0.22	2.17	0.17	6.54	153.5	6	0.08	717
G0791739		3.72	0.006	0.22	4.90	24	10	0.86	0.27	12.80	0.24	23.3	125.0	26	0.07	779
G0791740		3.60	<0.005	0.10	7.64	2.8	970	0.42	0.08	9.00	0.08	13.80	34.6	197	0.54	68.6
G0791741		3.10	0.008	0.17	0.71	11.4	10	0.10	0.16	3.22	0.13	16.35	114.0	3	0.19	324
G0791742		5.48	<0.005	0.24	7.50	16	310	0.99	0.28	13.40	0.19	23.7	99.1	27	0.25	739
G0791744		2.06	0.005	0.10	5.30	10	90	0.47	0.17	13.55	0.14	39.9	50.4	193	0.18	160.0
G0791761		4.90	<0.005	0.10	6.52	6	110	2.23	0.28	13.85	0.09	27.3	36.6	76	0.21	28.0
G0791762		2.08	0.011	0.26	0.96	3.9	10	0.23	0.31	1.84	0.15	2.64	69.0	6	0.13	192.5
G0791763		4.38	<0.005	0.13	3.33	<5	10	1.16	0.16	17.95	0.75	28.7	22.2	10	<0.05	65.7
G0791764		2.70	<0.005	0.03	8.11	0.5	200	0.87	0.14	5.51	0.07	26.7	16.6	29	1.11	4.3
G0791765		4.26	0.005	0.05	9.07	1.2	480	0.90	0.46	7.39	1.52	20.9	17.4	6	1.45	22.2
G0791766		3.84	0.008	0.04	1.66	53	460	0.17	2.70	20.5	0.29	5.01	11.9	3	1.11	27.4
G0791767		1.22	<0.005	0.27	6.45	36	30	0.26	0.70	12.55	0.25	6.08	45.6	184	0.52	263
G0791768		5.52	<0.005	0.09	8.63	10.1	540	0.44	0.19	8.35	0.20	12.30	31.8	46	3.35	106.0
G0791769		2.52	<0.005	0.06	9.37	2.9	320	0.44	0.14	6.45	0.06	21.8	29.8	82	2.06	54.6
G0791770		2.52	<0.005	0.05	7.05	1.6	20	0.57	0.07	4.65	0.05	15.45	21.5	161	1.40	36.6
G0791771		5.02	<0.005	0.01	1.18	9	50	0.11	0.05	26.5	0.05	2.30	1.8	7	0.13	7.9
G0791772		2.00	<0.005	0.06	8.90	1.7	180	0.59	0.06	8.51	0.08	16.55	50.2	90	0.40	123.5
G0791773		2.36	<0.005	0.01	0.53	<5	30	0.05	0.03	25.5	<0.02	0.96	1.2	7	0.07	8.1
G0791774		6.94	<0.005	0.08	9.04	18	100	0.60	0.18	10.05	0.11	16.45	36.3	62	1.19	145.5
G0791775		4.64	<0.005	0.04	5.05	2.6	10	0.21	0.07	9.67	0.04	3.86	78.2	645	0.26	78.9
G0791776		3.56	<0.005	0.04	7.95	1.6	160	0.47	0.06	8.43	0.05	12.55	47.9	246	0.40	82.8
G0791777		5.84	0.033	0.08	5.54	2.0	10	0.21	0.05	5.87	0.05	3.78	90.4	805	0.45	176.0
G0791778		4.92	0.008	0.08	4.51	2.1	10	0.13	0.08	4.75	0.05	1.42	92.4	1060	1.34	97.1
G0791779		2.04	0.008	0.11	9.09	2.1	210	0.52	0.07	8.16	0.09	18.50	66.6	100	0.51	233
G0791780		5.48	0.005	0.04	5.09	3.0	20	0.09	0.07	4.61	0.03	1.52	104.0	1170	2.69	160.5
G0791781		6.80	<0.005	0.10	3.90	2.3	10	0.16	0.04	6.86	0.04	1.50	88.3	935	1.00	314

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 8-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11083101

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
G0791724		5.16	16.90	0.11	0.4	0.044	0.72	9.8	5.1	1.50	724	0.48	3.24	4.4	9.3	1080
G0791725		7.03	20.0	0.14	0.4	0.054	1.04	16.6	3.6	1.53	842	0.87	3.14	6.2	16.0	1120
G0791726		6.33	15.55	0.11	0.9	0.052	1.04	6.1	7.1	4.22	1280	0.19	2.27	2.0	44.0	1050
G0791728		9.35	17.10	0.31	1.0	0.745	0.25	235	4.6	3.50	3870	0.78	0.60	3.7	42.8	860
G0791729		15.75	16.05	0.20	0.7	0.741	0.13	26.3	4.8	3.07	3710	0.34	0.13	2.6	41.7	980
G0791730		33.1	12.45	0.40	0.5	0.708	0.14	94.5	2.1	2.65	2860	0.38	0.13	2.3	37.9	1580
G0791731		9.80	15.65	0.14	0.7	0.576	0.47	19.7	5.2	3.19	2600	0.71	1.05	2.7	23.6	1140
G0791732		15.75	12.90	0.19	0.7	0.402	0.13	19.0	4.7	4.27	2730	0.26	0.14	2.5	46.7	1760
G0791733		18.10	11.20	0.22	1.0	0.295	0.17	10.8	4.8	4.48	2570	0.30	0.15	2.2	46.5	1100
G0791734		>50	8.38	0.62	0.3	0.147	0.09	8.1	1.8	1.75	2380	0.35	0.04	1.1	15.5	980
G0791735		22.4	9.07	0.26	1.4	0.322	0.04	12.5	2.7	3.35	3320	0.37	0.06	3.1	35.0	1660
G0791736		10.80	10.60	0.14	0.9	0.330	0.04	11.0	3.6	5.38	2780	0.38	0.05	2.2	60.0	1300
G0791737		9.70	14.40	0.15	0.9	0.152	0.97	6.3	9.5	4.51	3020	0.77	1.01	2.0	80.9	1080
G0791738		>50	3.76	0.61	0.2	0.156	0.03	4.2	0.7	1.33	4150	0.35	0.03	1.0	14.5	240
G0791739		16.80	10.15	0.19	1.7	0.600	0.07	12.8	1.9	4.48	3860	1.06	0.08	2.1	10.2	970
G0791740		12.45	12.00	0.16	0.7	0.141	1.07	7.8	9.2	4.86	4110	0.47	0.62	1.6	63.8	1000
G0791741		>50	4.17	0.57	0.1	0.229	0.02	16.0	1.0	2.68	5390	0.36	0.02	0.9	6.3	650
G0791742		11.35	12.60	0.16	1.7	0.441	0.68	11.6	3.7	3.27	3400	3.38	0.49	3.1	8.8	580
G0791744		18.45	15.60	0.23	0.7	0.720	0.16	23.5	5.9	2.93	4040	0.38	0.14	2.3	34.1	990
G0791761		9.32	14.20	0.13	2.1	0.643	0.31	13.0	3.7	2.96	4730	0.41	0.89	3.9	36.3	570
G0791762		>50	3.48	0.63	0.2	0.102	0.03	1.3	1.2	2.70	2080	0.31	0.07	1.0	10.5	30
G0791763		11.35	8.13	0.16	1.5	0.535	0.04	12.2	2.4	3.67	5810	0.20	0.13	5.2	3.0	60
G0791764		4.59	14.40	0.14	0.9	0.056	1.15	10.8	50.7	11.40	1460	0.94	0.24	4.2	13.9	940
G0791765		5.19	17.55	0.13	0.8	0.073	1.74	9.0	13.0	2.61	1160	1.25	2.32	3.3	5.1	1170
G0791766		9.50	4.49	0.13	0.3	0.178	0.19	2.5	11.7	7.37	1300	1.45	0.04	1.1	1.1	120
G0791767		7.19	11.25	0.11	0.7	0.046	0.04	2.4	17.1	9.80	1640	1.92	0.02	2.0	62.9	170
G0791768		6.93	15.00	0.14	1.0	0.050	0.97	5.3	9.3	5.71	857	8.58	1.63	1.9	29.0	1120
G0791769		5.16	16.35	0.14	1.4	0.074	1.71	8.9	8.2	8.31	814	1.26	0.53	3.5	45.2	1160
G0791770		4.94	13.15	0.12	1.1	0.049	0.24	6.8	6.9	10.65	757	0.52	0.15	2.3	60.4	800
G0791771		0.65	1.95	0.19	0.2	0.016	0.02	0.9	1.8	7.93	450	0.28	0.02	0.3	2.7	150
G0791772		7.43	17.05	0.16	1.0	0.066	0.46	6.6	3.5	4.87	1240	0.30	1.67	2.1	56.8	1000
G0791773		0.38	0.98	0.14	0.2	0.009	0.02	<0.5	1.0	1.29	75	0.45	0.01	0.1	1.7	50
G0791774		7.15	14.20	0.19	1.0	0.046	0.74	6.3	8.9	6.36	1000	0.87	1.28	2.4	65.6	980
G0791775		7.24	8.53	0.19	0.5	0.042	0.04	1.4	11.0	11.95	1200	0.42	0.34	0.6	767	240
G0791776		6.70	13.45	0.18	0.6	0.089	0.55	5.1	8.0	7.58	1340	0.22	0.79	1.6	241	670
G0791777		8.31	9.38	0.14	0.5	0.062	0.09	1.3	7.1	13.10	1380	0.18	0.30	0.6	830	260
G0791778		8.61	7.76	0.14	0.4	0.041	0.19	0.5	4.5	14.90	1320	0.22	0.25	0.3	1050	140
G0791779		7.75	18.05	0.19	1.0	0.060	0.53	7.3	4.8	5.10	1260	0.64	1.68	2.2	69.2	1000
G0791780		8.64	8.07	0.17	0.5	0.039	0.43	0.5	4.1	15.10	1220	0.40	0.34	0.3	1200	160
G0791781		8.54	7.77	0.18	0.4	0.079	0.17	0.6	7.0	11.95	1200	0.37	0.32	0.5	762	140

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 8-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11083101

Sample Description	Method Analyte Units LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
G0791724		1.9	31.9	<0.002	0.24	0.23	15.2	1	0.6	592	0.26	<0.05	2.0	0.346	0.15	0.9
G0791725		1.8	35.5	<0.002	0.65	0.25	22.2	1	1.3	560	0.33	<0.05	2.2	0.474	0.15	0.9
G0791726		1.1	40.6	<0.002	0.91	0.13	36.3	1	0.6	624	0.13	<0.05	1.3	0.399	0.23	0.9
G0791728		2.0	6.6	0.002	0.15	1.35	28.1	1	3.4	456	0.15	<0.05	3.3	0.471	0.03	5.5
G0791729		2.0	3.5	0.002	0.37	1.06	29.2	1	4.1	437	0.09	0.05	0.9	0.252	0.02	3.5
G0791730		1.2	2.5	0.002	0.96	0.55	11.2	2	4.5	259	0.12	0.06	2.5	0.183	0.07	5.5
G0791731		1.8	11.7	<0.002	0.45	0.67	22.6	1	3.3	451	0.11	<0.05	0.8	0.375	0.09	2.7
G0791732		1.3	1.8	0.002	1.24	1.06	22.5	1	3.6	318	0.08	0.12	0.8	0.246	0.08	1.4
G0791733		1.6	2.8	0.002	1.41	1.13	27.1	1	3.8	274	0.07	0.13	0.6	0.320	0.08	1.8
G0791734		1.4	4.5	0.002	0.79	0.33	3.7	1	1.5	28.5	<0.05	0.05	0.7	0.082	0.11	1.0
G0791735		1.3	1.2	0.002	0.59	0.47	11.9	1	3.9	206	0.15	0.06	1.6	0.183	0.02	3.2
G0791736		0.9	0.9	0.002	1.15	0.57	25.4	1	4.6	169.0	0.09	0.12	0.8	0.268	0.08	2.1
G0791737		2.4	36.0	0.003	0.20	1.11	33.8	1	1.3	410	0.11	0.62	0.5	0.603	0.11	0.5
G0791738		0.9	0.9	0.010	4.79	0.29	2.8	2	2.1	43.6	<0.05	0.62	0.3	0.041	0.15	0.9
G0791739		2.6	1.9	0.012	3.56	0.87	11.6	2	8.0	353	0.13	0.30	1.3	0.209	0.17	3.8
G0791740		1.4	35.5	0.002	0.37	0.73	37.0	1	1.1	451	0.09	0.30	0.5	0.483	0.09	0.8
G0791741		0.8	1.1	0.005	2.54	0.24	1.6	1	1.6	22.8	<0.05	0.26	0.2	0.028	0.09	2.3
G0791742		4.2	21.1	0.015	3.65	1.50	18.4	2	8.0	579	0.17	0.27	1.1	0.323	0.21	3.8
G0791744		1.5	5.3	<0.002	0.27	0.85	28.6	1	4.2	325	0.08	<0.05	0.8	0.252	0.03	3.5
G0791761		2.5	10.8	0.002	0.13	1.18	12.8	1	2.8	630	0.45	<0.05	10.7	0.209	0.04	2.8
G0791762		1.3	1.1	0.002	1.37	0.26	2.2	1	1.3	16.9	<0.05	0.20	0.2	0.046	0.04	0.2
G0791763		1.8	0.5	<0.002	0.43	0.66	7.1	2	7.5	190.5	0.44	0.06	2.5	0.124	<0.02	5.4
G0791764		3.3	52.4	<0.002	0.15	1.19	20.8	1	1.0	357	0.24	0.10	1.8	0.431	0.16	1.1
G0791765		4.7	64.4	0.002	0.38	2.30	25.2	1	0.8	683	0.17	0.21	1.3	0.532	0.20	1.0
G0791766		0.8	23.2	0.009	0.26	0.28	2.9	1	2.0	284	0.06	<0.05	0.9	0.061	0.08	4.4
G0791767		1.4	3.7	0.016	3.84	1.14	43.6	4	0.6	189.0	0.06	0.06	0.2	0.305	0.19	1.8
G0791768		4.7	35.3	0.008	4.45	1.24	31.2	3	0.6	2860	0.10	0.07	0.6	0.473	0.56	1.6
G0791769		2.0	44.4	0.002	0.72	0.95	31.8	1	0.6	1370	0.16	0.05	1.1	0.548	0.36	1.2
G0791770		1.8	10.7	<0.002	0.37	1.07	27.5	1	0.4	1010	0.12	<0.05	0.7	0.410	0.05	0.9
G0791771		0.9	1.0	0.004	0.10	0.32	4.1	<1	0.5	4720	<0.05	<0.05	<0.2	0.069	<0.02	3.1
G0791772		2.4	8.8	0.002	0.47	0.76	34.9	<1	0.9	1330	0.12	<0.05	0.8	0.549	<0.02	0.5
G0791773		<0.5	0.9	0.004	>10.0	0.05	1.5	<1	0.3	2320	<0.05	<0.05	<0.2	0.023	<0.02	0.3
G0791774		3.1	20.8	0.007	4.14	0.51	31.7	1	0.7	2020	0.13	0.17	0.9	0.509	0.15	1.2
G0791775		0.9	0.7	0.005	0.40	0.19	24.8	<1	0.8	223	<0.05	0.73	0.2	0.255	<0.02	0.4
G0791776		0.9	16.6	0.002	0.34	0.38	33.1	<1	0.7	636	0.10	<0.05	0.6	0.442	<0.02	0.3
G0791777		0.9	3.4	0.004	0.30	0.15	28.2	<1	0.7	92.6	<0.05	0.83	0.2	0.294	<0.02	0.1
G0791778		1.0	12.6	0.004	0.65	0.22	24.2	<1	0.6	53.4	<0.05	1.07	<0.2	0.213	0.20	0.1
G0791779		2.4	15.7	0.005	0.84	0.80	39.8	1	1.0	1290	0.12	0.06	0.9	0.552	0.02	0.5
G0791780		0.7	30.2	0.005	0.51	0.20	26.7	<1	0.6	47.8	<0.05	0.07	<0.2	0.241	0.33	0.1
G0791781		0.8	9.3	0.002	0.80	0.20	22.7	1	0.6	43.8	<0.05	0.08	<0.2	0.203	0.12	0.1

***** See Appendix Page for comments regarding this certificate *****

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 8-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11083101

Sample Description	Method / Analyte / Units / LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Fe-OG62 Fe % 0.01
G0791724		155	0.5	14.5	32	7.8	
G0791725		143	0.5	31.8	48	7.0	
G0791726		224	0.2	15.5	58	22.4	
G0791728		136	1.7	33.5	139	28.1	
G0791729		175	0.8	55.7	146	19.8	
G0791730		171	0.6	37.9	244	15.0	31.4
G0791731		187	0.9	20.1	114	19.7	
G0791732		231	0.7	16.0	336	22.1	
G0791733		189	0.6	16.3	403	30.1	
G0791734		127	0.3	4.2	494	9.2	52.1
G0791735		152	0.5	23.0	353	50.0	22.6
G0791736		176	0.7	13.6	1000	30.4	
G0791737		236	1.4	18.7	149	18.9	
G0791738		39	0.2	2.7	580	7.7	55.1
G0791739		92	0.5	12.1	327	49.0	
G0791740		230	1.4	15.6	200	16.4	
G0791741		62	0.3	3.3	1020	4.9	42.2
G0791742		103	0.7	12.9	246	62.0	
G0791744		191	0.8	52.5	159	20.3	
G0791761		85	1.0	29.9	103	39.0	
G0791762		52	0.3	1.8	455	4.4	55.3
G0791763		96	1.2	96.8	163	60.7	
G0791764		153	1.7	25.7	70	22.9	
G0791765		216	2.4	20.4	187	18.4	
G0791766		26	92.1	3.9	247	7.8	
G0791767		143	2.5	6.8	256	22.3	
G0791768		237	0.4	14.1	81	30.1	
G0791769		212	1.1	18.6	88	43.5	
G0791770		207	1.3	14.0	73	31.5	
G0791771		29	1.0	2.8	39	6.9	
G0791772		274	0.8	15.6	60	25.2	
G0791773		10	0.1	1.4	8	3.8	
G0791774		229	0.3	14.6	80	27.5	
G0791775		145	0.6	11.8	74	14.6	
G0791776		226	2.4	14.2	66	15.7	
G0791777		165	0.7	12.5	56	12.8	
G0791778		142	0.6	10.0	79	10.8	
G0791779		276	0.9	16.9	65	26.9	
G0791780		149	0.3	10.8	77	14.5	
G0791781		138	0.3	9.0	58	14.1	

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ALS Minerals

To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 8-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11083101

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
G0791859		3.80	<0.005	0.53	0.47	2.2	10	0.07	0.11	0.60	0.30	5.53	128.5	10	0.11	676
G0791860		2.64	<0.005	0.03	8.25	<0.2	400	0.44	0.04	8.26	0.08	18.00	30.6	157	0.44	16.2
G0791861		4.02	0.007	0.34	1.46	4.8	20	0.06	0.17	2.01	0.13	6.21	119.5	26	0.09	574
G0791862		2.42	0.006	0.18	4.01	10.9	10	0.30	0.15	8.11	0.13	25.0	60.0	8	0.10	275
G0791863		2.48	<0.005	0.02	8.68	0.7	740	0.50	0.07	8.11	0.03	19.15	20.3	91	0.73	16.8
G0791864		2.66	<0.005	0.25	1.52	10.8	20	0.18	0.13	3.14	0.15	8.53	93.1	3	0.12	407
G0791865		3.00	<0.005	0.01	8.32	3.2	390	0.59	0.05	7.48	0.05	15.60	34.1	176	0.70	29.9
G0791866		7.18	<0.005	0.29	0.73	3.4	10	<0.05	0.14	0.83	0.16	3.37	120.0	7	0.08	709
G0791867		3.02	<0.005	0.04	8.24	0.3	300	0.45	0.08	7.53	0.04	22.2	27.3	116	0.70	26.8
G0791868		7.68	<0.005	0.26	1.43	2.8	80	0.05	0.15	1.58	0.12	6.79	96.7	8	0.20	539
G0791869		8.44	<0.005	0.20	1.73	1.1	20	0.14	0.14	4.73	0.09	10.40	85.2	2	0.12	404
G0791870		5.22	<0.005	0.26	0.67	0.7	10	<0.05	0.17	1.29	0.08	2.84	109.5	1	0.12	615
G0791871		7.12	<0.005	0.03	9.15	0.8	480	0.81	0.03	6.54	0.08	30.0	14.4	3	0.96	63.4
G0791872		5.02	0.009	0.24	0.72	2.4	10	0.05	0.18	1.32	0.12	5.68	137.0	<1	0.06	596
G0791873		9.32	0.020	0.38	0.89	2.8	10	0.07	0.17	1.72	0.16	7.47	96.3	1	0.08	464
G0791874		8.42	0.005	0.22	0.94	7.8	10	0.09	0.20	2.81	0.06	8.31	106.0	1	0.08	391
G0791875		4.92	0.005	0.23	1.02	26.5	10	0.08	0.24	1.43	0.07	6.82	110.5	2	0.12	546
G0791876		1.96	<0.005	0.02	7.14	<5	10	0.69	0.16	16.70	0.03	16.55	13.9	36	<0.05	13.6
G0791877		11.16	0.005	0.20	1.32	4.2	10	0.15	0.23	3.41	0.07	6.79	103.0	7	0.13	597
G0791879		4.40	0.005	0.24	6.01	8.8	280	0.59	0.50	8.86	0.09	19.80	152.5	23	0.80	1315
G0791880		8.66	<0.005	0.04	9.09	1.6	340	0.63	0.07	7.87	0.06	19.45	22.8	14	0.67	82.1
G0791889		2.98	0.006	0.24	2.15	12.0	10	0.25	0.12	4.60	0.15	11.65	92.3	12	0.12	439

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Finalized Date: 8-JUN-2011
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Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11083101

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10
G0791859		>50	2.03	0.72	<0.1	0.124	0.02	3.6	0.4	0.72	3660	0.26	0.01	1.4	9.5	10
G0791860		7.75	14.10	0.13	0.8	0.071	0.74	8.4	5.8	4.44	2030	0.21	1.72	2.6	66.2	960
G0791861		>50	3.55	0.75	0.2	0.063	0.05	4.2	0.5	1.45	2320	0.78	0.09	1.4	14.7	330
G0791862		34.1	6.29	0.55	1.0	0.294	0.02	17.3	1.3	2.90	4090	0.15	0.03	2.0	5.9	1110
G0791863		6.09	12.85	0.09	0.8	0.115	1.17	7.6	6.3	3.58	3050	1.01	2.11	2.8	47.0	990
G0791864		>50	4.65	0.72	0.3	0.216	0.03	5.9	0.9	1.46	3770	0.35	0.04	1.8	4.8	330
G0791865		7.28	13.40	0.15	0.7	0.092	1.08	7.0	9.3	4.45	3270	0.46	1.88	2.3	65.4	990
G0791866		>50	2.31	0.70	0.1	0.183	0.02	2.4	0.5	0.97	5460	0.36	0.03	1.4	7.7	80
G0791867		7.16	13.50	0.13	0.7	0.131	0.81	10.2	5.6	4.10	2740	0.99	2.09	4.1	73.8	1310
G0791868		>50	3.50	0.70	0.2	0.171	0.14	4.3	1.2	1.32	5750	0.34	0.14	1.6	6.1	170
G0791869		>50	5.25	0.97	0.2	0.254	0.03	6.3	0.7	1.00	4980	0.28	0.03	1.7	7.1	120
G0791870		>50	3.89	0.78	0.1	0.107	0.03	2.0	0.6	1.20	2410	0.35	0.02	1.5	5.8	40
G0791871		5.65	20.0	0.09	1.1	0.073	1.28	11.6	4.9	1.27	1810	1.22	3.10	5.5	2.7	1750
G0791872		>50	2.26	0.68	0.1	0.238	0.02	4.1	0.4	1.28	7450	0.37	0.01	1.5	4.8	110
G0791873		>50	3.03	0.73	0.1	0.151	0.02	5.0	0.6	1.04	3950	0.32	0.02	1.5	5.3	180
G0791874		>50	4.53	0.84	0.2	0.121	0.02	5.7	0.6	0.85	2640	0.25	0.02	1.9	6.4	440
G0791875		>50	7.40	0.79	0.1	0.069	0.03	4.4	1.3	1.04	1950	0.23	0.03	1.6	9.0	250
G0791876		6.71	10.90	0.11	0.9	0.200	0.01	7.6	3.7	3.11	3620	0.14	0.11	2.4	6.5	790
G0791877		>50	3.70	0.58	0.3	0.168	0.05	3.7	0.8	2.01	2710	0.29	0.03	1.3	6.0	90
G0791879		14.55	10.55	0.22	1.1	0.366	0.64	11.1	10.6	3.98	2460	1.60	0.86	1.8	14.2	140
G0791880		6.49	17.80	0.13	0.9	0.077	0.83	8.6	5.6	2.04	1480	0.70	2.50	3.1	8.1	1260
G0791889		48.9	5.06	0.79	0.5	0.268	0.03	8.0	1.0	1.94	4170	0.34	0.08	1.9	6.2	470

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 8-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11083101

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
G0791859		1.5	1.2	0.004	2.66	0.21	0.5	1	1.9	10.5	<0.05	0.30	<0.2	0.013	0.04	2.6
G0791860		2.1	17.9	<0.002	0.05	0.65	30.3	1	0.8	458	0.14	0.08	1.0	0.496	0.06	0.4
G0791861		2.2	1.3	0.007	3.12	0.81	3.3	1	1.2	90.6	<0.05	0.28	0.3	0.099	0.07	1.3
G0791862		1.7	0.8	0.004	1.44	0.87	10.8	1	6.0	229	0.10	0.50	0.7	0.325	<0.02	4.4
G0791863		6.1	35.0	0.003	0.04	0.77	26.4	1	1.1	598	0.18	0.06	1.0	0.622	0.09	0.7
G0791864		1.3	0.9	0.005	2.25	0.37	3.9	1	2.8	43.3	<0.05	0.32	0.3	0.129	0.06	1.5
G0791865		1.2	30.7	0.002	0.02	0.63	35.5	1	0.7	556	0.13	0.07	0.7	0.533	0.10	0.4
G0791866		1.0	0.8	0.005	2.94	0.25	1.1	1	1.0	25.5	<0.05	0.27	0.2	0.031	0.02	1.6
G0791867		1.8	18.7	0.002	0.11	0.85	27.0	1	0.9	508	0.22	0.29	0.7	0.556	0.07	0.4
G0791868		1.8	5.8	0.008	2.44	0.24	2.5	1	1.4	49.8	<0.05	0.30	0.3	0.073	0.04	2.0
G0791869		0.8	1.4	0.005	1.46	0.22	1.5	1	2.8	63.6	<0.05	0.24	0.2	0.046	0.02	1.9
G0791870		1.1	1.3	0.004	2.52	0.18	0.9	1	1.2	10.3	<0.05	0.25	0.2	0.021	0.06	1.6
G0791871		2.9	23.9	0.002	0.17	0.34	16.7	1	1.0	588	0.30	<0.05	1.9	0.564	0.11	0.7
G0791872		1.0	0.6	0.005	2.90	0.19	1.1	1	1.8	10.9	<0.05	0.46	0.2	0.028	0.05	1.6
G0791873		1.8	0.8	0.004	2.27	0.22	1.9	1	1.7	33.6	<0.05	0.43	0.2	0.035	0.04	1.9
G0791874		1.1	1.0	0.003	3.02	0.29	1.6	1	2.0	19.1	<0.05	0.30	0.2	0.041	0.09	1.6
G0791875		1.3	1.0	0.003	1.27	0.25	1.5	1	1.0	21.7	<0.05	0.29	0.2	0.037	0.02	1.5
G0791876		1.9	0.4	<0.002	0.06	0.82	28.5	1	1.9	168.5	0.13	<0.05	0.9	0.503	<0.02	2.3
G0791877		1.1	2.4	0.008	3.00	0.30	3.5	1	2.6	45.6	<0.05	0.34	0.2	0.066	0.04	1.2
G0791879		1.6	23.8	0.025	6.50	0.80	20.3	1	7.2	373	0.12	0.44	0.8	0.287	0.13	2.1
G0791880		1.6	15.1	0.002	0.37	1.01	24.0	1	1.0	655	0.16	0.05	1.1	0.592	0.05	0.5
G0791889		1.3	0.9	0.005	2.37	0.44	6.2	1	3.5	56.6	0.05	0.23	0.4	0.172	0.07	1.9

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 8-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11083101

Sample Description	Method / Analyte / Units / LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Fe-OG62 Fe % 0.01
G0791859		26	0.1	3.1	472	1.9	58.7
G0791860		235	1.2	16.8	101	21.4	
G0791861		62	0.5	3.6	238	6.9	51.5
G0791862		98	0.9	15.9	313	37.2	30.3
G0791863		230	1.3	21.7	114	20.1	
G0791864		72	0.5	4.1	622	13.3	51.2
G0791865		247	0.9	18.3	120	16.5	
G0791866		40	0.2	2.3	715	3.5	60.6
G0791867		213	1.0	20.2	103	15.5	
G0791868		52	0.4	4.7	619	4.9	50.6
G0791869		43	0.7	12.5	439	6.6	47.2
G0791870		39	0.2	2.0	360	3.1	55.1
G0791871		178	1.3	22.5	87	37.4	
G0791872		36	0.2	2.9	953	5.3	66.5
G0791873		33	0.3	3.9	535	4.3	60.9
G0791874		37	0.4	7.4	287	4.8	57.4
G0791875		41	0.4	3.9	189	2.9	57.5
G0791876		166	2.2	19.3	59	23.5	
G0791877		36	0.2	5.3	354	10.1	47.8
G0791879		89	0.3	15.5	265	37.4	
G0791880		241	0.9	20.0	96	21.5	
G0791889		71	0.6	6.5	561	19.6	45.6

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4615 - 400 3RD AVENUE SW
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Finalized Date: 8-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11083101

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 15-JUN-2011
Account: PJV

CERTIFICATE VA11092268

Project: Pearson-Bugaboo
P.O. No.:
This report is for 75 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 24-MAY-2011.

The following have access to data associated with this certificate:

PERRY HEATHERINGTON KLAUS TRIEBEL	TIM NORRIS	ACCOUNTS PAYABLE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
EXTRA-01	Extra Sample received in Shipment
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Fe-OG62	Ore Grade Fe - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS

To: PACIFIC IRON ORE CORPORATION
ATTN: KLAUS TRIEBEL
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

2103 Dollarton Hwy
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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 15-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11092268

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
G0791782		3.60	<0.005	0.05	8.36	0.4	970	1.70	0.06	4.61	0.09	60.5	11.7	7	0.21	21.4
G0791783		3.82	<0.005	0.37	2.53	0.3	50	1.37	0.43	7.60	0.15	49.0	74.7	10	0.23	1520
G0791784		5.00	<0.005	0.27	1.36	1.2	10	1.08	0.24	3.70	0.08	11.35	113.5	23	0.09	773
G0791785		6.86	<0.005	0.32	0.55	1.5	10	0.25	0.14	1.04	0.08	11.50	137.0	5	0.06	930
G0791786		0.60	0.011	0.77	0.37	1.1	50	0.33	0.70	0.61	0.04	3.17	641	<1	0.29	1060
G0791787		1.26	<0.005	0.07	7.54	<0.2	340	2.47	0.08	7.93	0.09	93.2	14.4	2	0.19	243
G0791788		2.66	0.020	0.66	0.27	2.2	10	0.14	0.54	0.17	0.28	1.84	847	1	0.07	4920
G0791789		2.72	<0.005	0.36	0.55	2.7	20	0.22	0.14	0.66	0.31	4.50	161.5	2	0.06	1330
G0791790		3.82	0.231	0.67	0.16	1.9	10	0.07	0.44	0.19	0.19	1.07	748	<1	<0.05	4130
G0791791		5.76	0.005	0.39	0.54	1.0	10	0.12	0.23	0.52	0.07	1.70	218	4	<0.05	1760
G0791792		6.00	0.005	0.30	0.64	1.5	10	0.17	0.10	0.99	0.05	2.73	140.0	9	<0.05	927
G0791793		0.64	0.015	0.74	0.27	1.0	50	0.22	0.68	0.54	0.05	3.44	660	<1	0.27	1240
G0791794		1.54	0.023	0.74	0.31	1.5	<10	0.17	0.34	1.01	0.13	3.53	513	2	<0.05	4080
G0791795		4.12	0.046	0.57	0.47	1.1	10	0.23	0.20	0.78	0.12	1.82	255	3	<0.05	3760
G0791796		6.00	0.038	0.60	0.39	2.1	30	0.12	0.51	0.66	0.20	1.69	672	6	0.07	3030
G0791810		5.18	<0.005	0.20	0.99	2.0	10	0.31	0.08	1.77	0.12	4.15	127.0	21	0.06	635
G0791811		1.52	<0.005	0.03	9.01	<0.2	620	0.56	0.05	7.11	0.09	15.90	51.6	23	0.72	70.6
G0791812		0.56	0.005	0.32	0.51	0.8	10	0.21	0.22	0.85	0.13	1.17	308	1	<0.05	1555
G0791813		1.30	<0.005	0.01	7.46	<0.2	510	1.18	0.03	4.26	0.05	34.0	17.4	29	0.20	132.0
G0791814		2.10	<0.005	0.07	5.78	<0.2	540	0.56	0.07	5.62	0.06	14.70	71.0	401	0.28	241
G0791815		1.18	<0.005	0.24	1.28	1.2	20	0.37	0.10	1.92	0.08	6.53	181.0	7	0.15	835
G0791816		2.90	<0.005	0.02	7.73	0.4	980	1.34	0.03	2.28	0.06	47.5	5.5	8	0.32	26.8
G0791817		0.74	0.010	0.40	0.35	0.9	10	0.13	0.39	0.71	0.10	2.72	614	<1	0.05	3430
G0791818		1.76	<0.005	0.39	0.99	1.0	20	0.31	0.20	2.44	0.12	6.64	211	3	0.10	1290
G0791819		5.98	<0.005	0.11	4.94	<5	420	0.92	0.09	11.45	0.14	31.3	120.0	9	0.17	749
G0791820		3.30	0.012	0.83	3.30	11	40	0.95	0.31	11.85	0.37	19.00	336	10	0.06	5700
G0791821		1.30	0.033	0.50	1.02	1.4	10	0.34	0.32	3.40	0.06	5.94	841	1	0.05	1550
G0791822		5.34	<0.005	0.29	4.19	<5	40	0.94	0.13	13.85	0.13	30.3	170.5	<1	0.08	1605
G0791823		3.36	<0.005	0.10	7.95	2.5	700	1.16	0.12	3.66	0.10	48.8	9.7	3	0.20	58.6
G0791824		6.90	<0.005	0.25	1.08	1.8	60	0.18	0.06	0.78	0.09	6.09	88.4	<1	0.14	346
G0791825		4.38	<0.005	0.07	7.02	1.4	650	1.83	0.08	2.81	0.07	54.0	7.8	29	0.34	11.4
G0791826		4.48	<0.005	0.30	0.84	1.2	30	0.30	0.10	1.83	0.08	9.55	114.5	<1	0.12	522
G0791827		4.00	<0.005	0.22	0.73	0.8	10	0.25	0.12	2.63	0.08	4.79	121.0	1	0.08	509
G0791828		2.70	<0.005	0.24	1.73	1.4	170	0.81	0.17	2.67	0.09	65.0	105.0	<1	0.42	418
G0791829		5.86	<0.005	0.27	0.53	0.9	10	0.17	0.18	1.40	0.08	3.41	134.5	<1	0.09	683
G0791830		4.02	0.005	0.31	5.13	<5	140	0.96	0.42	12.70	0.12	33.8	175.0	2	0.14	860
G0791831		9.94	0.010	0.35	0.78	0.9	20	0.25	0.39	1.41	0.15	4.79	194.0	<1	0.34	692
G0791832		2.68	0.011	0.48	5.48	15	210	0.69	0.77	10.25	0.18	16.65	277	26	0.28	1680
G0791833		3.42	<0.005	0.37	0.66	1.6	10	0.26	0.39	1.37	0.17	5.97	160.5	<1	0.19	930
G0791834		2.48	<0.005	0.43	3.45	2.1	20	0.53	0.36	7.49	0.29	6.80	223	13	0.13	490

***** See Appendix Page for comments regarding this certificate *****

ALS Minerals
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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 15-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11092268

Sample Description	Method Analyte Units LOR	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10
G0791782		4.34	15.00	0.16	1.2	0.068	1.53	25.6	2.3	0.68	2110	1.53	4.59	12.5	1.6	610
G0791783		37.8	8.49	0.72	2.2	0.298	0.06	21.6	1.3	0.56	7020	1.31	0.07	6.9	2.9	230
G0791784		>50	3.90	0.71	0.5	0.187	0.02	5.8	1.7	1.04	4630	0.63	0.03	2.1	4.5	210
G0791785		>50	2.02	0.78	0.1	0.147	0.01	7.0	0.9	0.47	3680	0.58	0.02	1.3	5.4	200
G0791786		>50	3.15	0.65	0.1	0.055	0.04	1.6	0.8	0.27	1300	3.43	0.05	1.3	31.2	70
G0791787		4.39	14.10	0.16	2.3	0.152	1.54	42.3	2.5	0.38	2130	1.89	2.69	13.5	0.6	430
G0791788		>50	1.27	1.14	<0.1	0.070	0.01	1.1	1.3	0.13	1460	2.62	0.01	1.3	30.2	40
G0791789		>50	2.91	0.90	0.1	0.182	0.03	2.5	1.1	0.45	4820	0.96	0.03	1.2	8.0	10
G0791790		>50	0.73	0.71	<0.1	0.066	0.01	0.7	0.6	0.12	1480	2.29	0.01	0.8	34.8	50
G0791791		>50	2.89	0.76	0.1	0.156	0.01	1.1	1.6	0.66	5150	0.67	0.01	1.0	9.2	10
G0791792		>50	3.26	0.75	0.1	0.223	0.01	1.8	1.5	0.72	5550	0.99	0.01	1.0	5.4	60
G0791793		>50	2.98	0.67	0.1	0.046	0.03	1.9	0.6	0.24	1160	3.94	0.04	1.0	32.1	80
G0791794		>50	1.20	0.72	0.1	0.162	0.01	1.9	0.6	0.31	2500	0.89	<0.01	0.8	24.0	50
G0791795		>50	2.06	0.81	0.1	0.162	0.01	1.0	1.0	0.42	3950	0.58	0.01	1.0	11.9	50
G0791796		>50	0.84	0.62	0.1	0.082	0.03	1.0	1.9	0.29	1250	2.02	0.01	0.8	34.7	50
G0791810		>50	3.85	0.95	0.2	0.288	0.02	1.9	1.7	1.34	7590	0.53	0.03	1.2	10.1	100
G0791811		7.55	18.25	0.08	0.8	0.062	0.97	6.2	24.4	3.66	3210	0.39	1.68	2.4	17.9	1010
G0791812		>50	2.00	0.88	0.1	0.233	0.01	0.6	0.8	0.73	4560	0.42	0.01	0.9	14.9	10
G0791813		5.99	14.60	0.09	0.8	0.092	1.39	13.4	31.8	3.75	2620	0.99	2.96	9.1	20.7	670
G0791814		17.25	10.80	0.25	0.7	0.118	0.58	6.3	17.0	5.43	3350	0.93	1.08	2.7	159.5	450
G0791815		>50	5.22	0.91	0.3	0.270	0.08	3.2	7.9	1.59	5120	1.63	0.07	1.5	8.4	80
G0791816		3.29	17.35	0.09	0.6	0.068	2.05	20.2	21.7	2.05	1690	1.14	4.02	11.3	3.0	630
G0791817		>50	3.04	0.77	0.1	0.170	0.01	1.4	1.4	0.68	2590	2.19	0.03	0.9	34.5	40
G0791818		>50	5.19	1.04	0.3	0.246	0.03	3.2	1.8	1.18	4200	2.27	0.07	2.0	15.0	50
G0791819		15.50	7.33	0.18	1.3	0.584	1.39	11.2	2.5	2.09	6260	11.00	0.76	4.4	6.3	130
G0791820		19.90	4.67	0.24	1.1	0.627	0.10	8.2	1.5	3.74	4440	3.63	0.20	2.3	12.7	60
G0791821		>50	1.43	0.63	0.4	0.193	0.01	2.8	0.8	1.36	1030	2.99	0.02	1.0	45.9	30
G0791822		16.55	6.64	0.22	1.5	0.698	0.10	10.9	2.3	2.86	6740	4.20	0.18	3.8	8.6	160
G0791823		3.60	17.00	0.06	0.7	0.136	1.53	19.6	5.8	0.85	2030	3.44	4.19	11.3	1.4	730
G0791824		>50	4.69	0.97	0.2	0.362	0.16	2.9	1.9	1.23	6870	0.49	0.24	1.8	4.6	80
G0791825		3.27	16.05	0.10	1.5	0.076	2.52	21.7	2.0	0.91	1150	1.17	3.37	10.2	9.5	480
G0791826		>50	3.49	1.05	0.4	0.403	0.09	3.9	1.4	1.45	5950	0.46	0.11	1.9	6.9	40
G0791827		>50	2.71	0.76	0.2	0.376	0.02	2.3	0.8	1.64	5120	0.44	0.02	1.1	6.9	10
G0791828		>50	5.76	1.08	0.7	0.360	0.15	46.0	1.0	0.97	4770	0.95	0.14	2.9	6.5	20
G0791829		>50	2.13	0.81	0.1	0.426	0.02	1.6	0.8	0.95	4270	0.45	0.01	1.1	10.4	<10
G0791830		16.35	7.44	0.22	1.6	1.005	0.47	13.7	4.4	2.43	5050	10.20	0.65	5.8	17.0	110
G0791831		>50	4.01	0.99	0.1	0.257	0.05	2.6	1.5	1.07	2520	0.65	0.02	1.3	15.4	10
G0791832		20.7	8.90	0.22	1.2	0.895	0.37	7.8	5.9	3.04	2680	3.87	0.56	2.1	26.5	70
G0791833		>50	3.96	1.01	0.1	0.255	0.03	2.9	1.1	0.94	2240	0.55	0.02	1.4	17.4	10
G0791834		39.1	8.73	0.69	0.6	0.387	0.09	2.8	2.8	1.98	2970	0.99	0.19	2.0	24.6	250

***** See Appendix Page for comments regarding this certificate *****

ALS Minerals
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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 15-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11092268

Sample Description	Method Analyte Units LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
G0791782		2.2	29.2	0.003	0.02	0.14	14.0	3	1.2	428	0.83	0.05	5.1	0.399	0.06	2.7
G0791783		1.6	2.3	0.015	1.78	0.38	3.9	2	3.2	307	0.60	0.48	8.3	0.092	0.02	4.6
G0791784		0.9	0.8	0.021	2.60	0.15	3.8	2	1.9	54.0	0.10	0.57	1.2	0.053	0.03	2.4
G0791785		0.6	0.4	0.030	3.09	0.09	1.3	2	1.8	11.0	<0.05	0.80	0.4	0.024	0.03	3.0
G0791786		2.4	1.9	0.287	>10.0	0.08	1.0	3	0.7	9.4	<0.05	4.89	0.2	0.041	0.11	0.3
G0791787		2.9	23.4	0.005	0.11	0.12	8.4	3	1.6	113.0	1.05	0.18	8.8	0.335	0.06	2.7
G0791788		2.2	0.7	0.254	>10.0	0.21	0.3	3	0.5	4.1	0.07	4.47	0.2	0.008	0.62	0.4
G0791789		0.7	0.9	0.053	5.18	0.17	1.3	2	1.1	8.5	<0.05	1.20	0.2	0.024	0.13	1.8
G0791790		1.1	0.4	0.315	>10.0	0.10	0.5	3	0.2	3.9	<0.05	6.80	<0.2	0.008	0.10	0.2
G0791791		0.5	0.4	0.055	5.87	0.09	1.7	3	0.7	4.2	<0.05	1.54	<0.2	0.032	0.02	0.8
G0791792		<0.5	0.2	0.025	3.74	0.09	2.0	2	0.9	4.7	<0.05	0.95	<0.2	0.039	<0.02	1.4
G0791793		3.1	1.5	0.298	>10.0	0.08	0.7	3	0.4	7.6	<0.05	5.25	<0.2	0.013	0.13	0.2
G0791794		0.5	0.2	0.196	>10.0	0.06	1.0	3	1.0	3.4	<0.05	4.64	<0.2	0.016	0.03	1.0
G0791795		0.8	0.4	0.086	7.28	0.07	1.3	2	1.4	4.1	<0.05	2.14	<0.2	0.025	<0.02	1.3
G0791796		1.3	1.4	0.315	>10.0	0.09	1.5	3	0.5	14.3	<0.05	6.23	<0.2	0.023	0.03	0.5
G0791810		0.8	0.7	0.014	2.46	0.19	3.6	2	1.3	36.4	<0.05	0.44	0.2	0.048	0.02	1.3
G0791811		1.4	24.8	0.005	0.39	0.36	29.7	2	0.6	814	0.12	0.19	0.7	0.558	0.08	0.3
G0791812		0.8	0.3	0.082	7.37	0.12	1.5	3	1.2	7.9	<0.05	1.67	<0.2	0.022	0.07	0.5
G0791813		1.9	22.8	0.005	0.35	0.09	15.4	2	1.3	232	0.46	0.09	2.1	0.408	0.08	1.1
G0791814		0.8	18.3	0.014	1.50	0.12	25.2	2	0.9	110.0	0.15	0.28	0.8	0.323	0.05	0.6
G0791815		1.2	3.5	0.020	3.76	0.13	5.7	2	2.0	43.5	<0.05	0.68	0.2	0.082	0.04	0.8
G0791816		3.1	48.5	0.003	0.08	0.11	14.3	2	1.6	312	0.56	0.05	2.5	0.446	0.14	1.1
G0791817		1.6	0.5	0.146	>10.0	0.09	1.3	4	1.1	10.9	<0.05	4.99	<0.2	0.031	0.16	0.3
G0791818		1.1	1.2	0.044	5.21	0.16	3.5	3	2.4	49.1	0.05	0.97	0.3	0.078	0.07	1.5
G0791819		2.0	32.5	0.052	3.39	0.36	2.6	2	7.1	233	0.34	0.45	2.6	0.040	0.08	5.8
G0791820		11.9	2.5	0.072	8.88	7.63	2.0	7	9.7	174.0	0.21	1.36	1.2	0.031	0.21	1.7
G0791821		4.3	0.7	0.240	>10.0	0.68	1.1	8	3.9	24.0	0.07	4.69	0.2	0.020	0.10	0.4
G0791822		3.1	3.1	0.046	5.07	1.24	1.8	3	12.1	323	0.32	0.59	2.6	0.032	0.07	6.9
G0791823		11.0	36.2	0.008	0.08	6.10	14.0	2	2.4	288	0.56	0.05	1.9	0.469	0.12	1.6
G0791824		2.1	4.8	0.012	2.08	0.69	1.9	1	3.7	27.0	0.06	0.31	0.2	0.049	0.04	0.4
G0791825		7.0	66.1	0.002	0.05	3.46	13.0	3	1.9	224	0.67	0.05	4.6	0.339	0.16	2.0
G0791826		1.5	3.5	0.019	2.62	0.67	1.7	2	2.9	17.3	0.08	0.51	1.0	0.037	0.02	1.1
G0791827		1.4	0.9	0.020	3.19	0.41	2.2	2	3.3	13.3	<0.05	0.47	0.2	0.029	0.05	0.8
G0791828		1.9	5.7	0.019	2.67	0.98	1.3	2	2.6	83.4	0.17	0.46	2.5	0.044	0.07	1.6
G0791829		0.9	1.4	0.022	3.08	0.32	1.1	2	1.9	8.6	<0.05	0.56	0.2	0.012	0.02	0.9
G0791830		2.8	12.2	0.047	5.30	0.72	3.0	3	5.2	157.0	0.39	0.65	3.6	0.045	0.17	6.5
G0791831		1.6	5.7	0.022	4.31	0.57	2.3	2	2.4	14.1	<0.05	0.49	0.2	0.030	0.07	0.9
G0791832		3.0	12.3	0.041	7.13	1.00	19.4	4	6.2	435	0.14	0.62	0.8	0.235	0.12	4.9
G0791833		1.8	2.2	0.015	3.34	0.59	2.1	2	2.5	23.0	<0.05	0.50	0.4	0.020	0.04	1.3
G0791834		2.9	2.4	0.014	5.72	1.42	10.1	4	3.0	107.5	0.07	0.33	0.3	0.183	0.05	1.4

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 15-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11092268

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Fe-OG62 Fe % 0.01
G0791782		34	0.9	52.4	74	22.1	
G0791783		27	0.6	41.4	349	56.7	38.5
G0791784		46	0.2	6.7	513	14.6	53.8
G0791785		25	0.1	3.6	502	2.8	63.9
G0791786		8	0.2	3.0	94	1.6	59.2
G0791787		19	1.2	54.1	67	45.1	
G0791788		<1	0.1	1.3	233	1.2	61.5
G0791789		28	0.2	2.2	674	2.3	63.8
G0791790		5	0.2	0.4	127	0.6	61.7
G0791791		42	0.1	0.7	667	2.2	66.0
G0791792		51	0.1	1.0	701	3.2	64.7
G0791793		8	0.1	2.0	83	1.6	60.3
G0791794		16	0.1	1.0	267	2.2	62.2
G0791795		29	0.1	0.9	526	2.8	64.8
G0791796		15	0.1	0.8	125	2.8	58.9
G0791810		43	0.3	1.7	849	6.3	59.8
G0791811		268	0.9	17.9	93	17.1	
G0791812		26	0.1	0.5	690	2.5	63.0
G0791813		61	0.8	32.3	115	15.8	
G0791814		144	0.8	15.3	262	17.1	
G0791815		41	0.3	4.1	711	6.3	54.7
G0791816		28	0.9	38.9	62	8.9	
G0791817		20	0.1	1.6	324	1.9	57.4
G0791818		41	0.3	3.4	522	8.1	55.9
G0791819		11	0.4	20.4	192	30.1	
G0791820		18	0.3	15.0	288	27.2	
G0791821		9	0.1	3.4	114	10.3	48.9
G0791822		17	0.4	25.9	176	36.0	
G0791823		27	1.3	39.1	75	13.5	
G0791824		27	0.2	3.8	872	4.6	58.6
G0791825		52	0.4	46.0	63	27.6	
G0791826		27	0.2	7.2	737	7.8	59.5
G0791827		49	0.2	2.4	648	6.8	53.2
G0791828		22	0.5	13.5	555	16.5	51.8
G0791829		23	0.1	1.7	542	3.5	60.0
G0791830		11	1.0	21.9	123	38.4	
G0791831		26	0.2	2.1	506	4.0	59.4
G0791832		67	0.6	9.4	146	36.4	22.2
G0791833		24	0.2	2.6	391	3.8	59.9
G0791834		128	1.3	10.1	315	16.6	36.9

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4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 15-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11092268

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
G0791835		5.70	<0.005	0.17	2.68	6	50	0.64	0.08	17.45	0.15	0.95	33.3	5	0.12	165.5
G0791836		2.90	<0.005	0.54	3.09	<5	10	0.47	0.13	17.00	0.21	0.70	79.7	4	0.06	346
G0791837		3.44	<0.005	0.31	0.75	0.4	10	0.27	0.19	1.35	0.10	2.24	214	6	<0.05	1450
G0791838		5.46	<0.005	0.43	2.60	9	10	0.57	0.19	17.25	2.39	0.52	65.7	3	0.06	367
G0791839		5.32	<0.005	0.20	0.59	<5	10	0.61	0.34	15.10	9.37	0.34	29.4	1	0.53	209
G0791840		5.04	<0.005	0.22	2.06	<5	10	0.74	0.31	13.10	0.51	1.13	63.8	3	0.08	310
G0791841		4.32	<0.005	0.21	2.76	3.5	100	0.83	0.32	9.80	0.29	4.32	57.7	6	0.17	208
G0791842		0.68	0.008	0.36	0.39	1.2	10	0.12	0.37	0.78	0.09	2.48	516	<1	0.05	2980
G0791843		4.86	<0.005	0.28	2.34	25	40	0.63	0.18	10.85	0.40	5.28	51.2	38	0.23	304
G0791844		5.80	<0.005	0.08	9.28	3.4	450	0.71	0.07	9.58	0.12	20.7	21.9	89	1.71	128.5
G0791845		2.98	<0.005	0.09	7.43	10	360	0.37	0.13	11.95	0.06	17.90	37.6	155	2.02	218
G0791846		7.86	<0.005	0.14	7.55	22	220	0.32	0.28	12.70	0.17	14.00	35.2	149	0.38	289
G0791847		4.60	0.006	0.76	3.37	5.9	60	0.30	0.31	3.89	0.42	18.05	106.0	9	0.18	597
G0791848		4.58	<0.005	0.43	2.24	1.8	160	0.20	0.19	2.26	0.11	10.15	91.0	6	0.22	521
G0791849		8.90	<0.005	0.43	0.81	2.5	10	0.14	0.14	3.00	0.11	5.56	74.6	3	0.07	398
G0791850		3.52	<0.005	0.57	1.42	6.4	20	0.14	0.29	1.84	0.10	15.15	131.0	<1	0.21	770
G0791851		6.04	<0.005	0.48	0.90	8.4	50	0.19	0.20	2.13	0.17	5.15	102.5	<1	0.17	740
G0791852		8.34	<0.005	0.44	0.78	1.5	40	0.14	0.19	1.55	0.12	6.50	113.0	<1	0.16	481
G0791853		3.02	<0.005	0.38	2.47	3.3	10	0.30	0.25	4.69	0.16	12.60	142.0	4	0.12	695
G0791854		3.90	<0.005	0.04	8.73	<0.2	830	0.91	0.06	6.30	0.08	32.5	22.9	5	0.89	62.1
G0791855		7.76	<0.005	0.49	1.38	3.7	20	0.20	0.25	1.94	0.14	9.72	162.0	<1	0.15	770
G0791856		3.92	<0.005	0.44	0.46	2.1	10	0.08	0.19	0.81	0.12	5.19	136.0	<1	0.11	543
G0791857		4.52	<0.005	0.57	0.51	2.5	10	0.13	0.17	1.42	0.14	8.14	129.5	<1	0.11	794
G0791878		2.04	<0.005	0.41	2.28	4.3	10	0.31	0.32	4.62	0.17	14.10	160.0	2	0.12	942
G0791881		3.16	<0.005	0.33	2.24	4.9	30	0.30	0.19	4.54	0.06	12.55	105.0	4	0.37	547
G0791882		8.98	<0.005	0.42	0.78	2.3	10	0.10	0.16	1.89	0.13	3.76	109.5	2	0.18	478
G0791883		9.24	<0.005	0.40	0.82	2.0	10	0.14	0.19	1.74	0.16	4.13	117.0	3	0.14	609
G0791884		4.62	<0.005	0.45	0.76	2.0	10	0.12	0.18	1.60	0.17	5.31	150.5	5	0.17	682
G0791885		7.52	<0.005	0.47	1.49	2.2	20	0.13	0.25	1.96	0.21	6.55	155.0	32	0.14	778
G0791886		1.62	<0.005	0.05	7.92	0.3	760	0.55	0.10	8.63	0.13	17.35	39.6	174	0.58	66.8
G0791887		7.40	0.009	0.35	1.96	3.9	10	0.46	0.30	5.81	0.41	9.28	73.2	31	0.17	300
G0791888		3.00	<0.005	0.09	9.19	14	230	0.54	0.20	10.30	0.12	25.1	44.8	26	0.17	52.8
G0791890		3.88	<0.005	0.06	8.92	3.7	220	0.58	0.13	9.74	0.08	19.75	31.2	6	0.12	21.5
G0791891		6.02	<0.005	0.04	6.92	3.1	1140	1.62	0.09	8.66	0.10	47.7	30.0	2	0.49	89.0
G0791858		9.76	<0.005	0.68	0.77	3.4	10	0.15	0.16	0.84	0.24	10.05	146.5	1	0.10	735

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 15-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11092268

Sample Description	Method Analyte Units LOR	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10
G0791835		12.65	6.89	0.12	0.6	0.506	0.01	0.5	2.1	3.13	9080	0.82	0.10	2.6	8.3	210
G0791836		12.75	7.47	0.11	0.6	0.544	<0.01	<0.5	1.6	2.56	9010	0.90	0.08	2.7	12.5	220
G0791837		>50	2.22	0.78	0.2	0.228	0.01	1.1	1.1	0.93	4780	0.51	0.01	0.9	11.6	30
G0791838		12.30	6.53	0.08	0.5	0.583	<0.01	<0.5	2.1	3.38	8900	0.84	0.09	2.2	9.0	140
G0791839		12.60	3.79	0.11	0.1	0.334	0.08	<0.5	3.0	7.29	2790	2.45	0.05	0.4	2.5	80
G0791840		13.25	7.81	0.09	0.6	1.390	0.15	<0.5	4.6	4.44	5340	29.2	0.18	2.4	10.3	190
G0791841		20.0	10.50	0.29	0.5	0.748	0.19	1.9	2.8	3.89	3260	4.64	0.48	1.6	9.5	300
G0791842		>50	3.00	0.79	0.1	0.141	0.01	1.4	1.4	0.69	2920	2.15	0.02	0.9	29.3	30
G0791843		22.5	10.10	0.24	0.4	0.770	0.09	2.5	5.7	4.48	3630	1.09	0.13	0.9	27.5	170
G0791844		5.19	16.60	<0.05	1.1	0.084	1.26	8.9	8.7	3.35	1390	2.05	1.69	2.5	21.1	1000
G0791845		5.68	13.45	0.05	0.8	0.102	1.51	8.2	12.3	5.16	1360	2.77	0.51	1.9	53.8	1280
G0791846		7.18	13.85	0.14	0.8	0.339	0.48	7.1	5.2	4.80	2010	0.67	0.83	2.4	60.2	900
G0791847		44.7	7.56	1.38	0.6	0.224	0.13	9.6	2.0	1.74	3080	2.06	0.33	2.2	7.9	460
G0791848		>50	4.76	1.38	0.3	0.137	0.24	5.3	1.8	1.37	2380	0.36	0.44	2.1	12.1	340
G0791849		>50	4.81	1.61	0.1	0.213	0.02	3.6	0.9	1.12	2730	0.24	0.02	2.3	8.5	170
G0791850		>50	4.24	1.72	0.2	0.123	0.04	10.1	1.1	0.81	2160	0.52	0.04	2.2	21.5	850
G0791851		>50	4.56	1.79	0.1	0.181	0.02	3.2	1.0	1.09	2580	0.39	0.03	2.1	17.5	110
G0791852		>50	3.66	1.79	0.1	0.201	0.02	4.3	0.9	1.00	3440	0.28	0.02	2.2	11.4	110
G0791853		48.7	7.02	1.31	0.5	0.234	0.03	7.0	1.5	1.70	2890	0.51	0.04	2.2	12.3	310
G0791854		7.31	19.15	0.19	1.4	0.104	1.63	14.3	4.7	2.04	1840	1.17	3.00	5.8	4.5	1920
G0791855		>50	4.40	1.38	0.2	0.167	0.03	6.7	1.6	1.27	3310	0.34	0.03	1.9	14.9	280
G0791856		>50	2.26	1.58	<0.1	0.119	0.01	3.6	0.8	0.81	3000	0.23	0.01	1.8	7.2	70
G0791857		>50	2.76	1.84	<0.1	0.145	0.01	5.8	0.7	1.15	3680	0.23	0.01	2.1	7.6	240
G0791878		48.1	6.69	1.22	0.5	0.224	0.04	8.0	1.3	1.69	2670	0.67	0.04	2.1	14.2	350
G0791881		47.9	4.82	1.20	0.5	0.293	0.07	7.7	3.2	2.90	3630	0.49	0.07	1.8	6.6	240
G0791882		>50	4.18	1.68	0.2	0.227	0.03	2.3	1.4	1.86	4910	0.21	0.01	1.9	6.4	80
G0791883		>50	2.65	1.56	0.2	0.234	0.02	2.4	1.1	1.64	6430	0.25	0.01	1.9	7.1	60
G0791884		>50	2.47	1.63	0.2	0.236	0.03	3.3	1.0	1.54	6430	0.25	0.01	1.9	8.5	70
G0791885		>50	3.82	1.58	0.2	0.217	0.03	3.5	3.1	1.75	5710	0.25	0.05	2.1	21.6	130
G0791886		9.00	13.40	0.17	0.8	0.169	0.91	7.8	11.8	5.20	4140	0.27	0.90	2.3	103.0	890
G0791887		46.1	4.92	1.03	0.7	0.306	0.04	4.8	1.6	3.52	3600	0.24	0.04	1.4	5.9	70
G0791888		11.20	18.70	0.23	1.3	0.315	0.54	11.7	4.7	3.18	2980	8.33	0.88	3.7	15.5	610
G0791890		8.02	19.80	0.15	1.1	0.157	0.67	8.3	5.8	3.04	2740	0.21	1.66	2.2	9.0	880
G0791891		6.11	15.70	0.17	2.1	0.270	1.61	22.1	3.4	1.26	2770	8.13	2.54	10.1	3.3	800
G0791858		>50	2.76	1.60	0.1	0.214	0.02	7.2	0.7	0.98	5780	0.27	0.01	2.4	6.8	130

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 15-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11092268

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
G0791835		1.7	0.8	0.005	0.88	0.68	7.5	2	4.2	24.5	0.08	0.08	<0.2	0.086	0.02	0.9
G0791836		2.2	0.3	0.004	2.28	0.89	7.1	3	5.2	25.4	0.08	0.13	<0.2	0.088	0.04	1.3
G0791837		1.1	0.3	0.061	6.59	0.32	2.0	2	1.5	9.9	<0.05	1.33	<0.2	0.032	0.04	0.7
G0791838		1.7	0.3	0.006	1.47	1.01	6.2	2	4.4	26.2	0.07	0.14	<0.2	0.083	0.02	1.2
G0791839		1.9	10.7	0.005	1.45	0.61	1.8	2	0.9	96.7	<0.05	0.17	<0.2	0.020	0.04	1.0
G0791840		1.5	1.5	0.083	2.04	0.72	7.6	2	3.7	90.6	0.07	0.15	0.2	0.106	0.05	1.9
G0791841		3.4	5.3	0.015	3.35	2.13	8.2	2	2.2	257	0.06	0.21	0.3	0.158	0.18	1.1
G0791842		1.8	0.4	0.129	>10.0	0.35	1.3	4	1.2	10.7	<0.05	3.99	<0.2	0.034	0.12	0.3
G0791843		1.8	3.8	0.015	2.04	0.91	9.1	2	2.2	143.5	<0.05	0.13	0.2	0.102	0.06	2.6
G0791844		2.3	46.8	0.006	0.33	0.95	31.3	2	1.0	492	0.14	0.07	1.0	0.504	0.11	0.8
G0791845		1.5	75.1	0.008	1.69	0.42	38.7	2	1.3	441	0.07	0.10	0.5	0.352	0.34	1.9
G0791846		3.7	16.8	0.007	1.01	1.96	30.8	2	7.2	685	0.09	0.11	0.6	0.367	0.07	1.3
G0791847		5.6	3.2	0.017	3.98	2.57	10.6	2	2.5	260	0.09	0.62	0.6	0.230	0.16	2.3
G0791848		1.3	7.3	0.009	2.43	0.43	8.0	2	1.6	139.5	0.06	0.36	0.4	0.172	0.10	1.4
G0791849		1.2	0.5	0.006	1.56	0.41	1.6	1	2.2	20.3	<0.05	0.20	<0.2	0.035	0.04	1.2
G0791850		8.7	2.3	0.012	3.85	0.34	3.4	2	2.4	153.0	0.05	0.48	0.4	0.057	0.05	1.4
G0791851		2.4	0.9	0.007	3.31	0.58	2.1	2	1.8	35.9	<0.05	0.29	0.2	0.038	0.15	1.1
G0791852		0.9	0.8	0.007	2.37	0.24	1.8	1	1.9	29.3	<0.05	0.32	0.2	0.029	0.09	1.7
G0791853		1.7	0.8	0.012	3.24	0.67	7.8	2	3.1	98.4	0.08	0.41	0.4	0.186	0.18	2.0
G0791854		2.1	38.1	0.002	0.14	0.74	28.3	2	1.1	589	0.32	<0.05	2.0	0.747	0.15	0.8
G0791855		1.0	0.8	0.013	3.60	0.36	3.6	2	2.0	36.6	<0.05	0.45	0.3	0.064	0.22	2.1
G0791856		0.9	0.8	0.009	2.80	0.30	0.8	1	1.4	14.2	<0.05	0.43	<0.2	0.016	0.03	2.3
G0791857		0.8	0.9	0.012	2.73	0.17	1.0	1	1.5	12.8	<0.05	0.39	0.2	0.013	0.04	2.8
G0791878		1.6	0.9	0.016	4.05	0.76	7.5	2	2.9	88.7	0.09	0.52	0.4	0.177	0.26	2.2
G0791881		0.9	5.7	0.010	2.76	0.67	6.8	1	4.0	56.1	0.06	0.41	0.3	0.100	0.11	0.8
G0791882		0.6	2.1	0.007	2.38	0.17	2.2	2	1.8	9.7	<0.05	0.41	<0.2	0.035	0.06	0.6
G0791883		0.8	1.3	0.008	2.75	0.22	2.1	2	2.3	11.4	<0.05	0.50	<0.2	0.030	0.05	1.0
G0791884		0.9	2.1	0.008	3.23	0.21	2.4	3	2.2	10.5	<0.05	0.56	<0.2	0.032	0.04	1.0
G0791885		0.9	0.9	0.010	3.59	0.50	5.9	3	1.9	69.8	<0.05	0.69	0.2	0.074	0.04	0.9
G0791886		1.1	26.6	0.002	0.33	0.45	35.8	2	1.4	550	0.12	0.16	0.8	0.498	0.09	0.5
G0791887		2.3	1.5	0.004	3.13	0.53	11.7	2	5.0	42.7	0.06	0.60	0.3	0.138	0.03	0.9
G0791888		8.4	11.1	0.020	0.86	4.12	22.7	2	3.8	1140	0.28	0.30	1.8	0.400	0.09	2.0
G0791890		6.6	9.5	<0.002	0.12	3.94	25.0	1	1.8	907	0.17	<0.05	1.1	0.476	0.11	1.0
G0791891		2.6	44.5	0.008	0.11	0.45	10.2	2	4.8	422	0.63	<0.05	5.1	0.345	0.15	4.4
G0791858		1.4	0.8	0.006	3.39	0.36	1.5	2	1.9	15.9	<0.05	0.44	0.2	0.026	0.07	1.8

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 15-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11092268

Sample Description	Method / Analyte / Units / LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Fe-OG62 Fe % 0.01
G0791835		55	1.0	17.6	114	17.0	
G0791836		58	1.6	21.0	99	18.0	
G0791837		28	0.1	1.1	700	4.9	59.2
G0791838		52	2.3	14.8	357	16.0	
G0791839		17	5.2	1.3	1060	4.5	
G0791840		49	0.7	6.2	153	18.7	
G0791841		100	0.8	6.4	138	13.8	23.6
G0791842		19	0.1	1.4	364	1.9	58.7
G0791843		90	0.8	5.6	145	11.0	24.7
G0791844		245	1.0	18.0	72	25.1	
G0791845		259	0.3	11.2	44	22.6	
G0791846		261	1.0	14.3	89	21.8	
G0791847		120	1.7	10.0	412	14.8	44.1
G0791848		93	0.5	6.2	332	7.0	52.7
G0791849		35	0.3	4.4	290	3.5	59.5
G0791850		39	0.4	4.0	256	5.8	58.9
G0791851		35	0.2	3.6	287	3.6	54.8
G0791852		33	0.3	3.8	406	3.0	62.4
G0791853		76	0.7	6.4	341	15.5	48.3
G0791854		270	0.7	29.3	119	36.8	
G0791855		55	0.3	4.3	489	5.9	58.9
G0791856		25	0.2	2.0	312	1.6	67.8
G0791857		31	0.2	2.6	369	2.1	64.6
G0791878		74	0.7	6.2	303	14.9	48.5
G0791881		55	0.3	8.2	740	14.6	46.2
G0791882		52	0.2	2.1	666	5.2	59.5
G0791883		40	0.2	2.2	786	6.0	59.0
G0791884		47	0.2	2.4	794	6.8	60.8
G0791885		65	0.4	3.5	653	6.1	52.4
G0791886		245	1.3	16.1	176	17.0	
G0791887		102	0.4	4.9	622	20.0	42.8
G0791888		205	1.8	21.7	158	35.5	
G0791890		285	1.8	18.6	133	26.1	
G0791891		29	0.9	44.6	70	63.9	
G0791858		32	0.2	3.1	798	3.6	61.9

***** See Appendix Page for comments regarding this certificate *****

ALS Minerals
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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 15-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11092268

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 22-JUN-2011
Account: PJV

CERTIFICATE VA11094116

Project: Pearson-Bugaboo
P.O. No.:
This report is for 81 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 2-JUN-2011.

The following have access to data associated with this certificate:

PERRY HEATHERINGTON KLAUS TRIEBEL	TIM NORRIS	ACCOUNTS PAYABLE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Fe-OG62	Ore Grade Fe - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS

To: PACIFIC IRON ORE CORPORATION
ATTN: KLAUS TRIEBEL
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 22-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11094116

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
G0791906		3.32	0.009	0.23	4.48	23	20	0.53	0.20	13.55	0.10	18.30	59.9	105	0.16	392
G0791907		4.50	0.007	0.34	5.86	36	10	0.31	0.36	17.25	0.37	22.7	141.0	183	0.10	866
G0791908		2.42	<0.005	0.18	4.61	48	<10	0.62	0.24	17.55	0.33	18.35	83.5	103	0.08	513
G0791909		6.24	0.007	0.15	2.79	8	10	0.84	0.14	16.00	0.14	8.01	45.3	90	0.09	327
G0791910		2.38	0.007	0.29	4.08	7	10	0.71	0.26	13.15	0.11	13.55	92.4	111	0.12	554
G0791911		3.64	<0.005	0.16	5.65	9	30	0.82	0.26	14.00	0.15	12.05	40.8	118	0.07	367
G0791912		4.78	0.008	0.39	3.52	10	70	0.79	0.26	16.05	0.19	10.65	92.4	44	0.29	1200
G0791913		2.66	0.028	0.80	1.58	5.9	30	0.46	1.10	6.24	0.19	3.29	764	38	0.21	2350
G0791914		5.86	0.007	0.39	5.17	20	190	0.67	0.35	15.05	0.26	15.50	96.5	105	0.26	786
G0791915		6.46	<0.005	0.19	4.72	9	10	0.29	0.22	19.35	0.18	5.14	59.6	97	0.08	317
G0791916		7.00	0.006	0.28	4.67	16	10	0.40	0.37	18.55	0.19	5.72	118.0	129	0.11	746
G0791917		6.90	<0.005	0.13	1.80	6	20	0.98	0.25	15.35	0.12	5.90	82.5	84	0.10	404
G0791918		3.58	0.014	0.23	1.24	8	30	0.78	0.32	13.25	0.10	1.34	147.5	52	0.39	1050
G0791919		2.52	0.005	0.13	4.62	50	<10	0.57	0.20	16.95	0.27	11.80	85.9	109	0.06	479
G0791920		1.62	<0.005	0.01	0.44	<5	40	<0.05	0.01	30.4	0.04	2.82	2.0	4	<0.05	9.3
G0791921		3.52	0.008	0.21	0.40	2.6	10	0.18	0.07	1.14	0.12	7.89	116.5	4	<0.05	508
G0791922		6.86	0.011	0.23	0.94	3.4	10	0.37	0.22	1.76	0.10	8.73	156.0	13	<0.05	670
G0791923		1.50	<0.005	0.02	8.25	0.8	1030	0.63	0.06	6.88	0.09	15.40	39.1	75	0.40	75.9
G0791924		8.42	0.015	0.23	0.96	6.9	10	0.50	0.29	2.25	0.05	11.45	173.5	21	<0.05	699
G0791925		4.82	0.014	0.24	1.47	4.6	10	0.80	0.47	2.52	0.04	10.05	227	36	0.41	1130
G0791926		1.84	<0.005	<0.01	6.11	0.3	660	2.80	0.05	2.22	0.03	47.4	4.9	5	0.38	31.1
G0791927		3.24	0.010	0.19	2.21	0.5	50	1.14	0.19	2.26	0.06	19.60	135.5	9	0.22	682
G0791928		0.92	0.008	0.10	6.05	<0.2	410	1.67	0.08	5.96	0.06	71.1	44.3	2	0.57	237
G0791929		1.02	0.009	0.48	0.57	1.2	10	0.35	0.46	1.09	0.13	2.34	538	13	0.05	3120
G0791930		8.52	0.019	0.61	0.45	1.0	10	0.18	0.52	0.78	0.24	1.78	656	7	0.06	4840
G0791931		7.28	0.032	0.70	1.58	1.2	110	0.24	0.62	1.90	0.17	3.98	808	20	0.16	5030
G0791932		2.22	0.006	0.43	0.36	1.2	10	0.11	0.33	0.69	0.06	0.76	432	<1	<0.05	2280
G0791933		5.30	0.019	0.45	0.61	0.9	10	0.23	0.21	1.36	0.09	1.91	240	7	<0.05	2200
G0791934		1.60	0.021	0.45	0.17	0.9	10	0.06	0.46	0.38	0.04	1.00	545	<1	<0.05	1640
G0791935		8.68	0.016	0.34	0.63	1.7	10	0.14	0.10	1.20	0.04	4.30	178.5	4	<0.05	1040
G0791936		6.58	0.014	0.37	0.58	1.0	10	0.25	0.50	1.80	0.03	3.67	677	4	<0.05	1230
G0791937		3.14	0.014	0.54	1.10	1.1	10	0.26	0.38	2.43	0.08	2.60	436	22	<0.05	2640
G0791938		2.42	<0.005	0.10	8.91	<0.2	320	0.46	0.05	6.47	0.09	15.35	53.3	46	0.62	562
G0791939		1.86	0.020	0.37	6.11	2.7	130	0.34	0.39	2.76	0.17	22.3	444	33	0.82	4520
G0791940		4.90	0.014	0.47	1.15	0.9	100	0.23	0.76	1.62	0.11	2.81	743	20	0.16	3500
G0791941		4.60	0.017	0.72	1.26	0.9	10	0.23	0.10	2.31	0.18	4.37	99.8	14	0.05	3830
G0791942		3.94	0.011	0.31	0.86	0.5	10	0.22	0.13	1.57	0.05	4.80	115.5	5	0.06	585
G0791943		2.48	0.011	0.54	3.56	2.0	10	0.35	0.35	6.69	0.10	12.85	186.5	86	0.11	3340
G0791944		2.98	0.022	0.66	3.34	3.2	20	0.49	0.77	6.60	0.24	8.28	877	137	0.12	4400
G0791945		0.80	0.015	0.43	0.61	1.0	10	0.52	0.46	1.31	0.11	2.30	493	11	0.05	2920

***** See Appendix Page for comments regarding this certificate *****

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 22-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11094116

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
G0791906		14.00	9.75	0.11	0.5	0.433	0.03	9.9	5.1	4.44	2720	0.44	0.07	3.5	16.4	890
G0791907		11.80	11.45	0.08	0.7	0.478	0.01	11.8	3.5	2.13	4170	1.12	0.04	4.5	38.9	1060
G0791908		7.97	9.40	<0.05	0.5	0.366	0.01	9.8	4.9	3.90	3930	0.52	0.07	3.5	18.9	1210
G0791909		9.92	6.51	<0.05	0.6	0.760	0.01	4.0	3.6	5.18	3990	0.41	0.08	3.9	11.5	140
G0791910		13.05	9.23	0.08	0.5	0.699	0.12	6.8	3.9	5.50	3110	0.78	0.17	3.8	23.6	30
G0791911		6.47	10.35	<0.05	0.8	0.257	0.02	4.7	7.3	6.30	2140	0.60	0.06	4.6	20.7	70
G0791912		12.25	6.99	0.07	1.0	0.387	0.10	5.0	4.0	4.05	5410	0.90	0.09	3.3	19.9	440
G0791913		38.4	2.97	0.52	0.2	0.161	0.01	1.6	3.0	1.44	2180	1.99	0.03	1.7	149.5	210
G0791914		13.05	9.72	0.11	0.8	0.326	0.22	7.4	3.9	3.17	3170	1.48	0.10	3.8	30.1	870
G0791915		10.25	7.86	0.07	0.4	0.230	0.04	2.7	1.1	2.29	5840	23.9	0.05	2.1	20.1	730
G0791916		13.45	8.33	0.10	0.5	0.215	0.01	3.0	1.5	2.19	5750	2.69	0.05	2.5	21.7	1060
G0791917		14.15	4.81	0.21	0.3	0.242	0.02	4.2	1.9	4.09	5490	0.86	0.08	1.6	11.5	510
G0791918		16.35	3.57	0.26	0.3	0.187	0.07	0.6	3.1	4.67	4270	1.99	0.07	0.9	18.8	380
G0791919		8.22	9.89	0.14	0.5	0.310	0.01	5.9	4.0	3.90	3740	0.58	0.06	3.4	19.1	1260
G0791920		0.37	0.96	<0.05	0.2	0.006	0.01	1.3	0.5	2.85	236	3.53	<0.01	0.8	<0.2	30
G0791921		>50	1.78	0.89	0.1	0.185	0.01	5.2	0.4	0.55	6890	0.32	<0.01	1.3	4.4	240
G0791922		>50	2.78	0.98	0.2	0.130	0.02	5.5	1.3	0.71	4660	1.07	0.01	1.6	7.3	360
G0791923		8.68	16.10	0.18	1.0	0.080	1.04	6.1	9.8	3.49	1780	0.30	2.20	3.1	30.6	940
G0791924		>50	2.53	0.93	0.2	0.114	0.02	7.6	1.7	0.91	2960	0.54	0.01	1.6	6.0	850
G0791925		>50	3.46	1.00	0.3	0.134	0.09	6.1	2.2	1.15	2980	0.85	0.09	1.4	7.5	720
G0791926		2.58	12.20	0.11	3.3	0.031	3.43	21.0	0.9	0.12	660	1.32	2.35	11.0	0.7	50
G0791927		50.0	5.74	1.06	1.0	0.101	0.34	9.8	1.9	0.77	3150	0.97	0.24	3.7	4.4	80
G0791928		11.85	13.65	0.31	2.9	0.093	1.89	36.5	5.0	1.53	2680	1.14	1.27	9.6	1.9	70
G0791929		>50	2.17	1.04	0.1	0.070	0.02	1.2	0.5	0.56	1630	3.19	<0.01	1.5	21.3	90
G0791930		>50	1.59	1.10	0.1	0.067	0.02	1.0	0.7	0.44	1370	1.09	<0.01	1.3	25.6	30
G0791931		47.3	1.78	0.91	0.4	0.062	0.15	1.8	2.6	0.83	776	5.47	0.02	1.6	27.0	60
G0791932		>50	1.26	1.09	0.1	0.117	0.01	<0.5	0.4	0.48	2530	0.86	<0.01	1.2	18.5	10
G0791933		>50	1.80	1.14	0.1	0.192	0.01	1.0	0.5	0.64	4080	0.70	<0.01	1.5	10.2	50
G0791934		>50	1.15	1.19	<0.1	0.067	0.01	0.6	0.2	0.29	2300	0.60	<0.01	1.3	22.0	50
G0791935		>50	2.53	1.19	0.1	0.212	0.01	2.6	0.7	0.94	5050	0.43	<0.01	1.6	6.4	150
G0791936		>50	0.77	1.02	0.2	0.108	0.02	1.9	0.6	0.78	1210	1.24	<0.01	1.5	28.6	40
G0791937		>50	1.98	1.07	0.3	0.181	0.01	1.4	0.7	0.95	2220	0.79	<0.01	1.6	17.9	90
G0791938		8.22	18.25	0.22	0.9	0.079	0.84	6.2	5.9	3.16	1400	0.62	2.32	2.8	21.4	1030
G0791939		16.80	10.45	0.36	1.4	0.109	2.52	9.6	5.9	1.07	1220	6.52	1.52	5.1	8.7	180
G0791940		>50	1.48	0.98	0.2	0.118	0.19	1.4	1.6	0.90	1540	1.82	0.02	1.4	22.2	100
G0791941		>50	2.45	1.13	0.3	0.338	0.02	2.1	1.1	1.18	4860	0.41	<0.01	2.1	3.3	30
G0791942		>50	2.38	1.21	0.2	0.253	0.02	2.4	1.0	0.94	5020	0.45	<0.01	2.3	3.7	10
G0791943		37.7	6.85	0.83	0.8	0.420	0.04	5.4	1.7	1.83	5500	2.54	<0.01	2.5	8.3	180
G0791944		35.2	5.38	0.69	0.5	0.309	0.08	4.2	1.8	1.80	2670	1.38	0.01	1.5	17.3	270
G0791945		>50	2.31	1.08	0.1	0.084	0.01	1.3	0.6	0.66	1770	2.91	<0.01	1.5	19.9	90

***** See Appendix Page for comments regarding this certificate *****

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 22-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11094116

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
G0791906		5.4	2.0	0.006	1.42	1.07	21.6	2	2.0	308	0.08	0.13	0.8	0.210	0.05	4.5
G0791907		3.7	0.8	0.008	2.91	1.24	32.9	3	2.7	304	0.10	0.20	0.6	0.306	0.13	4.1
G0791908		4.3	0.6	0.008	1.13	0.84	23.2	2	2.1	142.5	0.14	0.13	0.4	0.229	0.06	4.8
G0791909		2.1	0.5	0.002	0.48	0.65	21.8	1	2.8	266	0.15	0.05	0.3	0.225	0.02	2.1
G0791910		3.9	1.7	0.007	2.91	1.73	22.9	3	2.6	273	0.13	0.09	0.3	0.231	0.22	1.5
G0791911		3.4	1.0	0.012	1.38	0.70	31.7	2	1.2	188.5	0.19	0.09	0.5	0.308	0.08	0.9
G0791912		2.0	7.0	0.007	2.59	0.70	10.3	2	2.9	192.0	0.17	0.17	0.6	0.161	0.07	1.0
G0791913		3.0	0.6	0.040	>10.0	1.17	6.6	3	0.6	33.1	<0.05	2.58	0.2	0.071	0.71	0.6
G0791914		2.8	7.8	0.019	4.14	0.83	24.5	4	1.9	269	0.13	0.31	0.7	0.302	0.11	3.4
G0791915		1.7	1.7	0.028	3.03	0.83	19.4	2	0.9	156.5	0.05	0.12	0.3	0.195	0.04	1.3
G0791916		2.1	0.7	0.015	3.99	0.78	22.2	3	1.0	105.5	0.06	0.25	0.4	0.227	0.07	1.8
G0791917		2.8	1.0	0.007	2.17	0.45	14.7	2	0.7	115.0	<0.05	0.12	0.2	0.114	0.03	2.7
G0791918		1.0	7.8	0.014	3.53	0.28	7.8	3	0.4	123.0	<0.05	0.18	0.2	0.088	0.04	1.5
G0791919		1.6	0.7	0.006	1.21	0.67	26.5	2	1.7	148.5	0.08	0.09	0.4	0.239	0.06	4.9
G0791920		0.5	0.7	0.023	0.32	0.11	1.3	2	<0.2	6730	0.05	<0.05	0.2	0.020	<0.02	3.8
G0791921		0.5	0.4	0.008	2.02	0.10	1.0	2	1.3	13.5	<0.05	0.30	0.2	0.018	<0.02	2.4
G0791922		0.7	0.4	0.035	3.37	0.18	3.9	2	1.5	11.5	<0.05	0.58	0.2	0.059	0.05	2.6
G0791923		1.8	18.1	0.002	0.27	0.20	35.3	2	0.7	570	0.22	0.25	0.7	0.518	0.06	0.4
G0791924		0.9	0.5	0.052	3.73	0.14	4.2	2	1.7	16.5	<0.05	0.83	0.3	0.057	0.03	2.5
G0791925		0.9	7.3	0.068	5.31	0.17	6.2	2	1.7	20.5	0.05	1.06	0.5	0.063	0.12	2.1
G0791926		2.1	108.0	0.004	0.09	0.09	2.0	2	1.5	105.0	1.20	0.10	13.1	0.070	0.21	6.4
G0791927		1.8	12.9	0.035	2.97	0.23	2.4	2	1.7	56.5	0.30	0.57	3.9	0.042	0.06	3.7
G0791928		1.7	58.4	0.014	0.95	0.13	2.5	2	1.7	120.0	1.04	0.18	15.5	0.069	0.07	7.1
G0791929		0.9	0.5	0.188	>10.0	0.12	1.5	2	1.2	11.8	<0.05	2.99	0.2	0.032	0.25	1.2
G0791930		1.1	0.8	0.272	>10.0	0.14	1.3	4	0.8	12.1	<0.05	3.85	0.2	0.022	0.23	0.6
G0791931		1.0	8.0	0.302	>10.0	0.11	5.0	4	0.8	74.1	<0.05	3.03	0.2	0.079	0.03	1.7
G0791932		<0.5	0.2	0.193	>10.0	0.10	1.1	3	0.8	7.1	<0.05	3.01	<0.2	0.018	0.02	0.3
G0791933		0.6	0.5	0.096	7.16	0.10	2.2	2	1.1	6.9	<0.05	1.52	<0.2	0.026	0.02	0.7
G0791934		0.9	0.3	0.221	>10.0	0.07	0.5	4	0.4	3.5	<0.05	3.66	<0.2	0.007	0.03	0.3
G0791935		0.5	0.3	0.049	5.01	0.14	1.8	2	1.3	6.4	<0.05	1.00	0.2	0.032	0.02	1.1
G0791936		0.9	0.9	0.323	>10.0	0.09	2.1	3	1.2	13.3	<0.05	4.62	0.2	0.034	0.03	0.6
G0791937		1.6	0.3	0.203	>10.0	0.10	4.2	4	1.7	16.3	<0.05	2.82	<0.2	0.050	0.04	1.0
G0791938		1.2	21.1	0.006	0.97	0.25	31.6	3	0.7	740	0.13	0.09	0.7	0.558	0.03	0.3
G0791939		1.7	65.8	0.120	8.74	0.18	7.4	3	0.8	267	0.33	1.68	2.8	0.133	0.27	4.7
G0791940		0.9	9.8	0.170	>10.0	0.11	4.0	3	0.8	41.4	<0.05	3.59	<0.2	0.052	0.06	1.2
G0791941		0.7	0.8	0.015	2.69	0.18	3.7	2	2.2	13.9	<0.05	0.54	0.2	0.076	<0.02	1.8
G0791942		0.7	1.1	0.016	3.06	0.13	1.9	2	1.9	9.7	<0.05	0.52	0.2	0.046	0.02	1.8
G0791943		1.1	2.4	0.071	6.96	0.30	12.2	3	3.6	34.8	0.12	1.13	1.1	0.137	0.13	3.2
G0791944		2.2	5.7	0.194	>10.0	0.30	18.8	4	2.9	134.5	0.05	2.93	0.5	0.153	0.20	1.9
G0791945		1.1	0.3	0.182	>10.0	0.10	2.0	3	1.4	12.1	<0.05	2.85	0.2	0.038	0.25	1.3

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 22-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11094116

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Fe-OG62 Fe % 0.01
G0791906		155	1.3	10.3	107	15.4	
G0791907		238	1.4	13.0	107	21.4	
G0791908		170	0.9	8.1	116	16.4	
G0791909		70	1.0	6.6	111	17.9	
G0791910		104	0.7	7.0	123	16.5	
G0791911		174	1.4	11.1	239	26.4	
G0791912		84	1.4	14.0	116	29.8	
G0791913		66	0.4	4.2	54	5.5	38.7
G0791914		199	1.4	14.5	110	22.4	
G0791915		245	0.6	9.5	65	13.0	
G0791916		239	0.8	10.3	78	15.7	
G0791917		74	0.7	4.5	115	10.1	
G0791918		50	0.8	2.0	132	9.4	
G0791919		164	0.9	9.0	111	19.3	
G0791920		8	0.4	1.7	14	6.7	
G0791921		28	0.2	4.5	815	2.3	65.2
G0791922		42	0.5	4.9	589	5.1	59.6
G0791923		241	0.7	17.9	118	24.0	
G0791924		45	0.4	3.5	435	6.3	59.2
G0791925		59	0.3	3.6	418	10.7	54.0
G0791926		3	0.3	38.7	25	65.5	
G0791927		27	0.2	12.7	343	20.8	51.2
G0791928		11	0.4	43.9	81	66.8	
G0791929		36	0.1	1.3	300	3.5	56.8
G0791930		19	0.1	1.0	210	2.9	56.6
G0791931		29	0.1	1.9	47	12.6	49.2
G0791932		16	0.1	0.4	314	2.6	59.7
G0791933		28	0.1	0.8	527	4.7	58.3
G0791934		9	0.1	0.4	242	1.3	60.8
G0791935		37	0.1	0.8	690	4.5	63.5
G0791936		13	<0.1	1.2	78	6.5	54.3
G0791937		39	0.1	1.2	403	9.3	53.8
G0791938		265	0.3	18.1	85	22.6	
G0791939		42	0.3	11.4	59	38.7	
G0791940		32	<0.1	1.2	198	8.1	53.8
G0791941		37	0.2	3.3	785	10.8	58.4
G0791942		29	0.1	3.0	723	6.7	62.7
G0791943		89	0.4	7.8	378	22.6	38.2
G0791944		87	0.2	6.4	100	17.4	35.9
G0791945		31	0.1	1.6	325	4.4	56.6

***** See Appendix Page for comments regarding this certificate *****

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Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11094116

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
G0791946		2.64	<0.005	0.02	0.26	<5	10	<0.05	0.07	31.4	0.04	1.92	50.4	3	<0.05	134.0
G0791947		4.70	<0.005	0.17	6.89	<5	370	0.35	0.38	10.70	0.06	14.30	90.2	22	1.28	634
G0791948		1.84	<0.005	0.08	7.22	8	160	0.43	0.20	12.75	0.04	9.92	26.3	31	0.70	165.5
G0791949		3.02	0.009	0.12	2.95	<5	30	0.53	0.16	10.90	0.04	7.49	58.6	49	0.26	137.5
G0791950		3.06	<0.005	0.08	2.36	<5	20	0.61	0.16	13.55	0.07	6.68	32.9	14	0.17	124.5
G0791951		3.44	0.008	0.08	7.74	<5	220	0.32	0.13	10.35	0.07	12.30	33.1	179	0.96	205
G0791952		1.64	<0.005	<0.01	0.28	<5	60	<0.05	<0.01	33.4	0.04	0.61	1.5	3	<0.05	3.9
G0791953		0.98	0.008	0.06	4.99	2.4	40	0.42	0.12	5.33	0.04	19.95	26.6	66	0.14	66.2
G0791954		3.16	0.009	0.27	0.56	3.5	10	0.05	0.15	1.17	0.07	5.58	140.0	<1	0.07	593
G0791955		3.96	0.008	0.08	6.75	<5	30	0.83	0.14	10.70	0.07	42.3	26.1	67	0.12	85.4
G0791956		4.12	0.005	0.30	1.34	0.7	10	0.24	0.24	1.85	0.05	8.42	100.5	<1	0.26	445
G0791957		2.04	<0.005	0.12	6.34	0.8	40	0.56	0.10	8.38	0.06	17.05	58.4	172	0.22	196.0
G0791958		2.06	0.008	0.31	1.85	1.8	20	0.28	0.21	3.23	0.06	11.90	89.5	3	0.17	588
G0791959		1.88	<0.005	0.07	5.79	5	20	1.69	0.14	14.65	0.09	99.1	19.9	3	0.05	50.6
G0791960		2.34	<0.005	0.27	1.39	3.2	10	0.64	0.17	5.51	0.09	7.09	95.6	<1	0.14	395
G0791961		1.60	<0.005	0.13	3.07	<5	10	1.36	0.12	10.80	0.09	35.0	53.8	<1	0.11	136.5
G0791962		2.22	<0.005	0.23	2.93	5.4	10	1.45	0.23	7.21	0.12	22.5	108.0	<1	0.19	325
G0791963		3.40	<0.005	0.08	5.10	<5	10	2.07	0.28	14.95	0.11	51.9	39.6	2	0.05	72.1
G0791964		4.10	<0.005	0.05	6.94	<5	10	0.49	0.46	14.45	0.07	62.9	17.3	1	<0.05	18.2
G0791965		1.70	<0.005	0.08	0.46	5	10	0.52	0.05	10.85	0.13	0.68	27.6	1	0.18	5.8
G0791966		1.58	<0.005	0.03	3.86	<5	30	0.25	0.10	12.70	0.31	5.95	15.0	99	0.30	21.5
G0791967		6.30	<0.005	0.06	8.31	8	210	0.60	0.10	11.20	0.35	22.7	26.6	122	1.31	59.8
G0791968		3.74	<0.005	0.15	6.66	18	10	0.75	0.16	10.75	0.99	26.2	24.8	155	0.25	154.0
G0791969		3.66	<0.005	0.04	8.32	6	10	0.80	0.16	14.20	0.09	72.4	13.4	26	0.05	8.3
G0791970		5.72	0.009	0.11	7.37	<5	100	0.67	0.19	12.65	0.08	92.3	23.1	4	0.60	280
G0791971		2.66	<0.005	0.06	4.57	<5	100	0.32	0.04	10.85	0.04	20.9	20.5	4	5.50	20.8
G0791972		3.28	<0.005	0.16	0.74	2.8	20	0.18	0.05	8.44	0.06	0.88	40.8	4	0.16	145.5
G0791973		1.88	<0.005	0.03	8.30	4.5	150	0.50	0.04	9.46	0.08	17.05	28.2	98	0.59	14.5
G0791974		1.70	<0.005	0.21	0.30	2.8	<10	0.19	0.08	9.98	0.11	0.56	56.9	3	0.07	346
G0791975		2.76	<0.005	0.04	0.89	6	10	0.81	0.02	15.05	0.07	1.48	19.0	15	0.09	45.8
G0791976		3.36	<0.005	0.04	7.12	1.3	120	0.62	0.06	9.62	0.05	14.50	27.6	74	0.73	8.2
G0791977		6.66	0.008	0.28	0.43	3.2	10	0.09	0.19	1.63	0.04	0.26	135.5	<1	0.20	625
G0791978		2.54	<0.005	0.20	1.60	2.5	40	0.15	0.04	1.86	0.03	3.33	43.8	16	0.23	113.0
G0791979		8.22	<0.005	0.27	0.25	3.0	10	<0.05	0.11	0.99	0.04	0.07	84.9	<1	0.13	447
G0791980		1.52	<0.005	0.04	0.48	5	10	0.60	0.04	12.35	0.06	0.53	17.7	2	0.26	8.9
G0791981		1.24	<0.005	0.03	9.00	0.9	120	0.57	0.04	8.62	0.08	17.90	23.8	15	1.03	30.6
G0791982		8.98	<0.005	0.27	0.24	4.4	<10	0.07	0.10	1.00	0.07	0.09	79.7	<1	<0.05	330
G0791983		3.54	<0.005	0.07	8.39	1.3	160	0.53	0.05	6.38	0.10	16.40	28.6	2	0.99	91.7
G0791984		4.64	<0.005	0.07	7.47	0.6	470	1.63	0.04	3.24	0.10	38.1	7.6	20	0.38	28.0
G0791985		4.74	0.020	0.10	5.51	2.1	120	0.46	0.03	5.32	0.07	9.29	74.2	782	1.14	342

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Finalized Date: 22-JUN-2011
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CERTIFICATE OF ANALYSIS VA11094116

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
G0791946		4.00	0.60	0.11	0.1	0.007	0.01	1.5	1.8	2.14	449	26.4	<0.01	0.4	2.4	20
G0791947		9.05	12.35	0.25	1.7	0.111	0.96	6.7	13.0	5.78	2050	4.24	0.08	2.6	13.3	100
G0791948		4.64	13.70	0.14	1.9	0.111	0.46	3.9	13.4	7.20	1180	0.53	0.27	3.1	16.1	100
G0791949		21.7	14.75	0.49	0.6	1.030	0.07	3.9	3.2	3.91	3320	1.30	0.05	1.7	6.5	160
G0791950		10.20	9.53	0.23	1.1	0.646	0.04	3.4	3.8	5.27	4360	0.39	0.10	1.3	7.5	40
G0791951		5.26	14.40	0.17	0.7	0.074	0.98	5.5	9.7	4.68	1320	2.60	1.04	1.5	32.0	500
G0791952		0.32	0.91	<0.05	0.1	0.006	<0.01	<0.5	1.5	1.29	117	10.40	<0.01	0.3	<0.2	40
G0791953		12.85	9.61	0.14	0.8	0.126	0.04	9.4	6.4	9.06	1780	2.90	0.13	2.6	37.5	670
G0791954		>50	2.77	1.18	0.1	0.179	0.01	3.4	0.3	1.04	4220	0.20	<0.01	1.4	5.5	310
G0791955		10.85	14.05	0.30	1.0	0.584	0.09	20.1	3.0	3.29	2610	1.14	0.48	3.9	36.0	900
G0791956		>50	4.61	1.23	0.3	0.111	0.05	4.7	0.7	1.29	2210	0.95	0.10	1.9	6.9	140
G0791957		17.45	14.25	0.52	0.9	0.094	0.18	7.3	2.3	3.61	1980	1.04	0.63	3.0	99.4	910
G0791958		>50	5.42	1.18	0.3	0.210	0.08	6.9	1.2	1.93	2130	0.77	0.10	2.1	9.6	220
G0791959		11.85	18.15	0.38	2.3	0.984	0.03	47.3	2.2	2.17	4750	0.19	0.31	9.2	3.9	120
G0791960		44.1	7.81	1.23	0.2	0.183	0.03	3.4	1.2	1.82	2910	0.43	0.07	2.0	13.9	30
G0791961		23.0	10.85	0.56	0.7	0.559	0.03	16.2	2.2	2.48	4780	0.27	0.25	4.5	7.9	160
G0791962		33.9	12.90	1.29	1.1	0.429	0.05	7.9	2.2	2.41	3280	0.54	0.11	6.2	22.9	160
G0791963		10.40	15.25	0.28	2.0	1.170	0.07	20.9	2.5	3.84	4300	0.36	0.13	6.6	5.3	170
G0791964		10.10	30.1	0.39	2.3	4.38	0.01	30.5	5.0	3.00	2980	0.32	0.05	9.7	1.5	380
G0791965		22.4	6.62	0.48	0.2	0.253	0.02	<0.5	2.2	7.41	2710	1.00	0.06	0.9	2.4	70
G0791966		5.85	7.15	0.15	0.6	0.125	0.11	2.4	11.5	10.50	1050	1.66	0.10	1.2	63.9	320
G0791967		5.58	15.65	0.19	1.8	0.104	0.88	9.9	3.2	3.97	1400	4.24	0.25	5.1	45.3	1380
G0791968		5.33	13.80	0.20	1.4	0.102	0.01	13.3	21.4	9.86	1910	1.34	<0.01	6.2	68.0	1200
G0791969		8.74	26.7	0.32	1.4	1.525	0.06	33.6	2.8	1.70	2430	0.24	0.21	10.4	3.1	780
G0791970		9.06	23.4	0.32	1.3	1.470	0.32	42.1	6.2	1.92	2580	0.62	0.56	11.6	5.8	750
G0791971		5.90	5.95	0.17	0.9	0.258	1.05	8.7	17.2	10.20	1820	0.20	0.12	4.4	3.1	330
G0791972		31.1	6.09	0.78	0.1	0.074	0.05	<0.5	2.7	5.47	1440	0.15	0.05	0.8	10.8	110
G0791973		7.84	16.90	0.25	1.1	0.084	0.50	6.9	13.5	4.88	1600	0.11	0.81	2.9	61.7	980
G0791974		23.4	4.23	0.53	0.1	0.068	0.02	<0.5	1.8	6.43	1340	0.35	0.02	0.6	14.1	90
G0791975		5.81	2.58	0.12	0.1	0.124	0.06	0.6	4.4	8.85	2050	0.15	0.15	0.5	11.9	170
G0791976		8.09	12.90	0.21	0.9	0.122	0.60	5.8	9.6	5.46	1700	0.29	0.91	2.7	40.5	870
G0791977		>50	4.26	1.29	0.1	0.026	0.03	<0.5	1.4	2.25	1040	0.47	0.01	1.2	7.3	50
G0791978		>50	6.20	1.26	0.2	0.025	0.14	1.4	3.5	1.88	1160	0.16	0.10	1.5	12.2	180
G0791979		>50	4.97	1.35	<0.1	0.011	0.02	<0.5	0.5	1.34	860	0.09	<0.01	1.2	2.2	10
G0791980		13.50	3.98	0.30	0.1	0.220	0.04	<0.5	2.9	8.85	2730	0.75	0.08	0.5	1.5	80
G0791981		8.83	16.85	0.26	0.8	0.061	0.43	7.4	11.5	3.37	1000	0.11	1.08	2.4	15.4	1010
G0791982		>50	5.84	1.38	<0.1	0.010	0.01	<0.5	0.3	1.06	811	0.14	<0.01	1.2	2.0	30
G0791983		11.15	17.80	0.27	0.8	0.055	0.65	6.1	7.8	3.09	968	0.15	1.97	2.7	4.2	1110
G0791984		2.72	16.60	0.15	2.0	0.049	1.14	16.2	3.5	1.32	534	1.62	3.62	7.7	13.9	820
G0791985		7.08	11.60	0.27	0.8	0.057	0.45	3.7	14.5	11.45	1200	0.86	0.78	1.9	732	340

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Sample Description	Method / Analyte / Units / LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
G0791946		0.5	0.5	0.057	1.84	<0.05	1.0	2	<0.2	338	<0.05	0.29	<0.2	0.011	<0.02	3.5
G0791947		0.9	51.4	0.029	4.70	0.31	20.0	4	2.0	253	0.14	0.35	0.6	0.297	0.19	4.3
G0791948		0.7	26.9	0.009	0.74	0.55	25.1	2	1.1	286	0.16	0.06	0.4	0.346	0.11	1.0
G0791949		0.9	6.9	0.008	1.17	0.71	12.2	2	3.9	224	0.06	0.06	0.3	0.145	0.10	8.0
G0791950		0.9	3.9	0.003	0.60	0.64	7.1	2	2.5	193.5	0.09	0.06	0.2	0.081	0.03	4.5
G0791951		1.2	47.2	0.016	1.09	0.32	43.0	2	0.8	468	0.06	0.05	0.5	0.363	0.22	1.2
G0791952		0.5	0.3	0.014	0.06	0.06	1.0	2	<0.2	383	<0.05	<0.05	<0.2	0.011	<0.02	4.7
G0791953		1.4	0.6	0.004	0.31	0.68	14.9	1	1.0	218	0.19	0.12	1.8	0.328	0.02	2.1
G0791954		1.3	0.7	0.007	3.13	0.51	1.4	2	2.0	23.7	<0.05	0.42	0.2	0.022	0.22	1.0
G0791955		1.5	2.4	0.004	0.12	0.73	26.3	2	2.8	343	0.23	0.05	1.8	0.409	<0.02	3.6
G0791956		0.7	2.1	0.005	1.68	0.48	3.2	2	1.9	44.6	0.05	0.20	0.5	0.063	0.14	1.1
G0791957		1.4	4.3	0.004	0.74	0.65	28.9	2	1.2	137.0	0.16	0.19	1.0	0.478	0.07	0.7
G0791958		0.7	1.8	0.004	2.37	0.53	5.2	2	2.9	63.3	0.09	0.22	0.5	0.069	0.20	0.7
G0791959		2.4	1.0	<0.002	0.15	1.09	3.3	2	5.3	558	0.87	<0.05	8.6	0.141	<0.02	7.6
G0791960		1.4	0.7	0.004	1.40	0.84	2.9	2	1.6	65.6	0.06	0.15	0.5	0.042	0.13	0.7
G0791961		1.3	1.3	<0.002	0.20	0.93	5.3	2	2.7	215	0.23	<0.05	2.6	0.104	<0.02	2.8
G0791962		2.0	2.3	0.003	0.72	0.95	6.3	2	2.8	323	0.60	0.10	3.4	0.121	<0.02	2.4
G0791963		2.6	1.9	0.002	0.29	1.55	7.8	2	10.4	623	0.67	0.06	3.4	0.168	<0.02	7.1
G0791964		1.9	0.7	<0.002	0.06	1.24	7.3	2	12.4	1280	0.81	<0.05	11.1	0.227	<0.02	23.3
G0791965		0.5	0.9	0.002	0.08	0.39	1.4	1	1.0	69.9	<0.05	<0.05	0.2	0.020	<0.02	2.0
G0791966		1.3	3.0	0.002	0.21	0.33	15.6	2	0.5	288	0.07	<0.05	0.4	0.224	0.02	2.8
G0791967		3.3	32.0	0.006	2.31	1.24	37.3	2	0.5	2070	0.23	0.07	1.5	0.563	0.17	2.0
G0791968		9.4	0.3	0.012	1.66	0.44	31.1	3	0.9	801	0.36	0.06	2.1	0.496	<0.02	5.5
G0791969		2.6	3.5	<0.002	0.19	0.96	14.8	3	5.2	1115	0.60	<0.05	4.4	0.403	0.02	9.7
G0791970		1.5	21.0	0.002	0.45	0.88	16.9	3	4.9	1015	0.66	<0.05	5.2	0.388	0.12	8.8
G0791971		0.9	94.0	<0.002	0.11	0.40	4.3	1	2.5	202	0.30	<0.05	3.2	0.148	0.40	1.5
G0791972		0.9	2.6	<0.002	1.01	0.51	1.6	2	0.4	28.9	<0.05	0.05	0.2	0.028	0.26	0.2
G0791973		1.0	18.7	<0.002	0.03	0.34	43.9	2	1.0	215	0.13	<0.05	0.8	0.545	0.06	0.3
G0791974		1.1	0.8	0.002	1.90	0.50	0.8	2	0.4	15.1	<0.05	0.08	0.2	0.014	0.15	0.2
G0791975		0.5	2.2	<0.002	0.10	0.23	4.1	2	0.4	27.8	<0.05	<0.05	<0.2	0.052	<0.02	0.1
G0791976		1.3	23.5	<0.002	0.05	0.40	30.8	1	0.8	181.0	0.12	<0.05	0.7	0.454	0.05	0.4
G0791977		0.5	2.8	0.006	3.44	1.24	1.3	1	0.4	15.8	<0.05	0.19	<0.2	0.025	0.27	0.4
G0791978		0.6	6.8	<0.002	0.70	0.97	7.8	1	2.5	59.9	<0.05	0.05	0.2	0.103	0.06	0.2
G0791979		0.6	1.3	0.002	1.63	1.09	0.8	1	1.4	8.4	<0.05	0.12	<0.2	0.011	0.07	0.1
G0791980		<0.5	2.6	0.002	0.05	0.42	1.8	2	0.7	62.2	<0.05	<0.05	<0.2	0.019	<0.02	1.3
G0791981		1.3	19.0	<0.002	0.10	0.59	30.0	2	0.7	562	0.11	<0.05	0.7	0.533	0.04	0.3
G0791982		0.6	0.3	<0.002	1.28	0.94	0.6	1	0.2	8.1	<0.05	0.10	<0.2	0.007	0.05	0.1
G0791983		1.8	18.1	<0.002	0.28	0.58	23.6	1	0.7	697	0.12	<0.05	0.7	0.519	0.06	0.3
G0791984		2.7	23.5	<0.002	0.12	0.31	14.4	2	2.0	300	0.48	<0.05	3.3	0.398	0.09	1.4
G0791985		0.9	20.5	0.002	0.19	0.27	35.9	1	0.8	140.0	0.12	<0.05	0.8	0.302	0.12	0.4

***** See Appendix Page for comments regarding this certificate *****

ALS Minerals

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 22-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11094116

Sample Description	Method / Analyte / Units / LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Fe-OG62 Fe % 0.01
G0791946		9	0.1	0.9	23	2.5	
G0791947		92	0.7	15.6	76	63.0	
G0791948		110	1.0	18.4	238	72.4	
G0791949		81	1.8	12.6	142	22.3	23.9
G0791950		56	0.7	9.0	104	33.0	
G0791951		268	0.4	12.3	57	22.0	
G0791952		9	0.2	1.0	5	2.3	
G0791953		132	1.6	15.0	104	19.2	
G0791954		20	0.3	2.7	565	3.7	61.0
G0791955		152	1.7	27.2	81	26.0	
G0791956		42	0.4	5.1	389	6.6	56.2
G0791957		187	2.4	18.2	182	21.8	
G0791958		36	0.3	6.5	362	8.8	50.4
G0791959		33	1.1	59.5	85	52.5	
G0791960		41	0.5	5.3	266	5.2	45.3
G0791961		41	0.8	24.9	153	13.5	25.0
G0791962		40	0.5	32.7	191	19.3	33.8
G0791963		45	0.7	40.9	97	45.5	
G0791964		33	0.7	57.7	56	51.0	
G0791965		34	3.7	1.1	161	4.6	23.4
G0791966		103	2.5	7.8	154	20.7	
G0791967		190	0.7	18.2	133	60.3	
G0791968		200	1.0	19.3	601	49.1	
G0791969		65	0.8	66.1	71	31.8	
G0791970		61	0.9	74.0	65	27.9	
G0791971		17	0.4	11.0	128	22.3	
G0791972		23	1.0	2.6	75	2.7	29.9
G0791973		287	1.4	18.0	95	26.6	
G0791974		24	0.3	1.8	68	2.5	24.8
G0791975		34	0.3	2.3	48	4.5	
G0791976		208	1.2	16.1	79	23.4	
G0791977		13	1.0	0.6	72	2.4	56.0
G0791978		55	0.8	3.5	69	5.4	53.9
G0791979		8	1.5	0.3	54	1.0	61.0
G0791980		22	3.1	1.1	98	3.5	
G0791981		257	2.4	17.1	57	18.4	
G0791982		6	1.7	0.3	60	0.8	61.8
G0791983		240	0.8	16.5	56	19.5	
G0791984		67	1.0	32.4	35	67.6	
G0791985		148	0.3	19.3	61	19.8	

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Finalized Date: 22-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11094116

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
G0791991		1.70	<0.005	0.17	0.24	8	<10	0.22	0.07	10.60	0.10	0.38	59.4	3	0.05	282

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Finalized Date: 22-JUN-2011
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CERTIFICATE OF ANALYSIS VA11094116

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10
G0791991		20.9	3.60	0.43	0.1	0.060	0.01	<0.5	1.9	6.63	1350	0.34	0.03	0.5	10.6	100

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CERTIFICATE OF ANALYSIS VA11094116

Sample Description	Method Analyte Units LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
G0791991		0.7	0.5	0.002	1.58	0.47	0.8	2	0.6	13.0	<0.05	0.07	<0.2	0.013	0.13	0.1

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Finalized Date: 22-JUN-2011
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Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11094116

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Fe-OG62 Fe % 0.01
G0791991		23	0.3	1.8	65	2.2	22.0

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 22-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11094116

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 21-JUN-2011
Account: PJV

CERTIFICATE VA11094242

Project: Pearson-Bugaboo
P.O. No.:
This report is for 27 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 27-MAY-2011.

The following have access to data associated with this certificate:

PERRY HEATHERINGTON KLAUS TRIEBEL	TIM NORRIS	ACCOUNTS PAYABLE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Fe-OG62	Ore Grade Fe - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS

To: PACIFIC IRON ORE CORPORATION
ATTN: KLAUS TRIEBEL
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Minerals
ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 21-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11094242

Sample Description	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
G0791797	4.06	0.012	0.67	0.65	0.9	20	0.17	0.49	0.97	0.39	1.54	798	19	0.06	6560
G0791798	4.04	0.011	0.63	1.44	0.4	30	0.36	0.59	3.00	0.29	4.98	695	21	0.09	6230
G0791799	5.32	0.010	0.63	1.39	0.6	30	0.16	0.55	1.45	0.24	3.87	800	10	0.23	5710
G0791800	3.02	<0.005	0.08	9.43	<0.2	270	0.51	0.07	7.32	0.09	18.30	87.9	26	0.62	604
G0791801	5.60	0.007	0.59	0.33	0.6	10	0.05	0.65	0.57	0.30	1.35	889	<1	0.05	5610
G0791802	2.12	0.014	0.42	3.89	<0.2	270	1.01	0.44	4.59	0.12	21.4	367	15	0.21	2900
G0791803	4.74	0.006	0.30	1.07	0.8	10	0.38	0.52	2.95	0.05	5.14	355	17	0.07	1785
G0791804	6.76	<0.005	0.33	1.05	1.1	10	0.45	0.26	1.92	0.07	5.65	142.5	<1	0.06	1410
G0791805	7.88	<0.005	0.29	0.77	0.5	40	0.32	0.43	1.31	0.07	2.65	220	3	0.05	1215
G0791806	1.16	0.008	0.30	4.85	11	10	0.78	0.59	10.60	0.08	14.90	237	62	0.06	1495
G0791807	4.52	<0.005	0.12	7.71	<0.2	430	0.54	0.08	8.12	0.04	10.30	36.5	153	0.81	166.5
G0791808	4.26	<0.005	0.23	1.15	2.0	10	0.19	0.16	1.57	0.10	3.25	113.5	9	0.06	739
G0791809	4.28	<0.005	0.25	0.69	1.0	10	0.21	0.16	1.60	0.11	3.31	142.0	3	<0.05	851
G0791892	3.32	<0.005	0.05	9.00	9	60	1.73	0.28	11.30	0.11	70.8	18.5	1	<0.05	130.0
G0791893	5.08	<0.005	0.02	1.98	<5	580	1.37	0.15	16.25	0.09	14.05	21.0	<1	0.05	16.6
G0791894	4.00	<0.005	0.01	0.07	<5	470	0.05	0.03	26.0	0.77	0.49	2.3	<1	<0.05	9.1
G0791895	2.38	<0.005	0.12	4.32	8	60	0.97	0.10	11.20	0.07	9.75	37.1	21	0.10	80.4
G0791896	1.72	<0.005	0.34	1.90	8	40	1.02	0.15	11.55	0.21	2.26	45.7	4	0.06	480
G0791897	3.02	0.006	0.16	5.58	<5	270	0.69	0.18	11.15	0.12	9.44	36.9	19	0.28	220
G0791898	1.38	0.007	0.46	0.96	14	20	0.67	0.16	10.65	0.35	1.63	58.3	4	0.08	607
G0791899	3.48	<0.005	0.13	6.75	7.4	610	1.15	0.16	9.51	0.13	29.9	44.9	21	0.55	243
G0791900	3.40	<0.005	0.07	3.20	9	20	0.95	0.16	14.25	0.08	11.50	20.7	6	<0.05	60.0
G0791901	3.02	<0.005	0.11	7.36	1.9	480	1.52	0.12	7.94	0.08	44.3	39.8	32	1.01	249
G0791902	4.54	0.011	0.13	0.72	1.0	10	0.37	0.06	9.44	0.06	1.93	26.6	5	0.07	18.4
G0791903	3.90	<0.005	0.05	0.56	<5	10	0.95	0.06	15.30	0.06	0.45	27.3	1	0.07	19.9
G0791904	2.10	<0.005	0.07	0.84	<5	10	0.65	0.06	12.70	0.07	3.24	28.5	8	0.06	18.4
G0791905	2.48	0.014	0.37	5.34	10	20	0.60	0.44	10.15	0.22	8.52	139.5	160	0.31	1080

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ALS Minerals

To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 21-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11094242

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10
G0791797		>50	1.27	0.79	0.2	0.065	0.05	0.8	1.4	0.40	1010	4.11	0.01	1.0	46.7	40
G0791798		>50	1.93	0.74	0.3	0.129	0.06	2.6	2.3	1.24	1400	1.15	0.03	1.2	37.6	90
G0791799		>50	2.05	0.75	0.3	0.075	0.18	1.8	2.9	0.51	721	4.42	0.05	1.5	46.0	70
G0791800		11.35	17.60	0.20	0.9	0.077	0.65	7.8	8.6	3.09	1480	0.52	2.26	2.8	20.7	1030
G0791801		>50	0.85	0.83	0.1	0.063	0.03	0.7	1.0	0.26	574	6.00	0.03	1.0	45.7	30
G0791802		31.7	7.78	0.48	0.9	0.240	0.59	9.7	3.9	1.16	3330	3.49	1.16	4.0	19.8	350
G0791803		>50	2.60	0.93	0.3	0.186	0.03	2.7	1.2	1.21	2730	1.13	0.02	1.6	15.8	80
G0791804		>50	3.24	1.00	0.2	0.301	0.01	3.2	1.2	0.87	3650	0.68	0.01	1.7	6.8	110
G0791805		>50	2.95	1.00	0.1	0.241	0.02	1.4	1.1	0.74	3450	1.43	0.01	1.6	13.5	30
G0791806		26.6	7.09	0.47	0.8	0.459	0.01	8.5	2.2	2.47	3430	1.23	0.03	1.6	11.3	450
G0791807		7.43	13.30	0.12	0.7	0.128	1.30	4.1	7.7	4.49	2940	0.37	1.16	1.2	81.3	570
G0791808		>50	4.19	1.04	0.1	0.270	0.02	2.0	1.5	1.21	5440	0.81	0.02	1.4	7.6	60
G0791809		>50	2.72	1.08	0.1	0.272	0.01	1.9	1.0	1.11	6850	0.40	0.01	1.4	8.0	60
G0791892		8.26	26.7	0.24	2.4	0.477	0.06	30.8	3.6	0.80	1760	0.53	0.41	16.7	1.1	2460
G0791893		5.58	6.09	<0.05	2.0	0.343	0.05	5.6	2.6	8.28	2970	0.52	0.15	3.4	1.3	50
G0791894		0.37	0.47	<0.05	<0.1	0.009	<0.01	<0.5	1.5	10.05	278	0.39	0.01	0.2	0.6	20
G0791895		11.95	7.92	0.19	0.5	0.332	0.12	5.0	6.0	5.66	3250	1.08	0.32	1.6	16.8	520
G0791896		16.20	5.62	0.24	0.2	0.349	0.04	1.8	3.2	4.56	3600	0.49	0.21	0.9	6.2	120
G0791897		8.98	11.55	0.17	0.5	0.200	0.34	4.7	3.1	4.64	2520	0.45	0.58	1.6	20.1	570
G0791898		21.0	4.33	0.32	0.1	0.262	0.04	1.4	1.7	5.05	2770	1.44	0.12	0.7	7.6	110
G0791899		8.19	12.10	0.22	1.0	0.308	0.66	16.8	8.2	4.34	2550	1.32	1.19	2.6	25.3	910
G0791900		8.81	8.31	0.16	2.2	0.527	0.10	6.3	2.0	5.92	3540	0.49	0.17	3.3	7.3	950
G0791901		8.72	18.50	0.29	1.5	0.141	0.90	20.3	8.5	3.44	1660	1.27	1.60	7.2	14.2	2080
G0791902		26.2	4.68	0.36	0.1	0.414	0.01	1.6	2.5	4.52	2690	0.14	0.08	0.8	3.0	50
G0791903		9.31	3.20	0.17	0.1	0.658	0.01	0.8	4.5	6.47	4690	0.13	0.15	0.5	3.4	50
G0791904		15.40	4.94	0.25	0.1	0.399	0.01	2.3	3.1	6.18	3230	0.15	0.11	0.6	5.1	60
G0791905		11.70	8.82	0.22	0.7	0.457	0.30	3.9	8.9	6.05	2450	0.80	0.30	6.5	33.1	210

***** See Appendix Page for comments regarding this certificate *****

ALS Minerals
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 21-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11094242

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.2	0.005	0.02	0.1
G0791797		2.3	2.7	0.380	>10.0	1.16	2.1	1	0.5	24.0	<0.05	4.08	<0.2	0.035	0.03	0.5
G0791798		1.7	3.6	0.299	>10.0	0.59	5.7	2	1.5	55.3	<0.05	3.82	0.2	0.066	0.03	1.4
G0791799		1.7	9.7	0.366	>10.0	0.21	3.3	2	0.4	76.4	0.05	4.67	0.3	0.052	0.05	2.4
G0791800		1.4	19.3	0.028	2.53	0.50	33.5	3	0.8	711	0.14	0.42	0.8	0.605	0.03	0.4
G0791801		3.6	1.2	0.436	>10.0	0.20	1.1	3	0.2	14.5	<0.05	5.91	<0.2	0.015	0.08	0.3
G0791802		3.3	16.6	0.157	>10.0	0.29	7.1	4	1.6	233	0.29	2.13	2.4	0.160	0.17	2.8
G0791803		1.5	1.5	0.105	9.02	0.16	4.1	3	2.7	20.3	<0.05	2.12	0.2	0.062	0.05	1.3
G0791804		1.5	0.6	0.030	3.76	0.21	2.7	2	2.0	33.9	<0.05	0.75	0.3	0.047	0.03	1.9
G0791805		1.7	0.6	0.053	5.61	0.23	2.3	2	2.2	12.7	<0.05	1.37	0.2	0.031	0.03	1.0
G0791806		3.2	0.5	0.051	6.93	0.55	19.4	3	5.2	165.0	0.09	1.42	0.5	0.286	0.06	3.7
G0791807		1.5	43.4	0.004	0.34	0.46	39.5	2	0.6	366	0.07	0.24	0.4	0.457	0.13	0.3
G0791808		1.3	0.7	0.013	2.87	0.16	3.4	2	1.3	20.0	<0.05	0.36	0.2	0.055	0.02	0.8
G0791809		1.0	0.4	0.014	3.30	0.12	2.5	1	1.2	10.9	<0.05	0.53	<0.2	0.028	0.02	1.3
G0791892		5.7	0.9	0.002	0.27	1.05	14.0	3	5.2	1660	1.02	<0.05	6.2	0.920	<0.02	3.9
G0791893		2.1	0.7	0.002	0.05	0.54	1.7	1	2.4	231	0.36	<0.05	0.7	0.081	<0.02	1.7
G0791894		0.8	0.2	<0.002	0.07	0.09	0.2	2	<0.2	235	<0.05	<0.05	<0.2	<0.005	<0.02	3.9
G0791895		2.4	2.3	0.004	0.39	0.47	10.3	1	0.7	378	0.08	<0.05	0.9	0.246	<0.02	0.5
G0791896		2.2	1.1	0.002	1.27	0.48	2.0	1	0.6	189.0	<0.05	<0.05	0.5	0.050	0.03	0.4
G0791897		3.6	12.1	0.002	0.67	1.00	13.4	1	0.6	691	0.07	0.06	0.9	0.281	0.05	0.4
G0791898		1.7	0.8	0.005	1.63	0.37	1.7	2	0.5	44.4	<0.05	0.12	0.5	0.047	0.06	0.3
G0791899		2.1	21.9	0.004	0.44	0.61	21.5	2	0.9	643	0.16	0.13	1.0	0.407	0.08	3.7
G0791900		1.5	1.6	<0.002	0.06	0.52	4.0	1	3.4	301	0.24	<0.05	2.8	0.156	<0.02	2.1
G0791901		2.6	23.2	0.005	0.76	0.46	29.7	3	2.2	250	0.39	0.09	2.9	0.717	0.17	1.2
G0791902		1.2	0.4	<0.002	0.06	0.55	1.2	1	1.4	40.6	<0.05	<0.05	0.5	0.024	<0.02	0.6
G0791903		2.9	0.5	<0.002	0.02	0.33	0.7	1	5.5	20.7	<0.05	<0.05	0.5	0.014	<0.02	0.3
G0791904		1.0	0.4	<0.002	0.01	0.39	2.1	1	1.4	55.3	<0.05	<0.05	0.6	0.028	<0.02	0.5
G0791905		2.0	5.5	0.012	2.14	0.78	31.2	2	2.4	274	0.13	0.15	1.0	0.319	0.08	1.5

***** See Appendix Page for comments regarding this certificate *****

ALS Minerals

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 21-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11094242

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Fe-OG62 Fe % 0.01
G0791797		19	0.1	0.7	103	6.1	55.3
G0791798		39	0.1	1.8	109	13.1	47.4
G0791799		25	0.1	1.6	61	9.7	51.6
G0791800		278	0.2	18.9	82	22.3	
G0791801		10	0.1	0.8	67	2.5	56.1
G0791802		48	0.3	15.2	145	26.0	30.0
G0791803		41	0.1	2.0	473	10.8	52.7
G0791804		38	0.2	1.9	571	7.5	59.3
G0791805		35	0.2	1.4	613	4.2	60.5
G0791806		100	0.4	12.3	163	31.4	28.0
G0791807		237	0.9	15.0	118	18.3	
G0791808		50	0.2	1.3	830	6.0	59.1
G0791809		36	0.1	1.2	820	6.1	61.0
G0791892		52	2.3	61.1	81	65.9	
G0791893		28	0.3	9.5	100	54.0	
G0791894		2	0.9	0.6	94	1.0	
G0791895		121	0.9	8.8	130	13.1	
G0791896		34	0.3	2.8	123	5.4	
G0791897		143	0.8	10.2	104	15.1	
G0791898		37	0.4	1.7	118	4.1	23.7
G0791899		180	1.0	13.7	124	28.5	
G0791900		84	0.5	10.7	123	68.8	
G0791901		227	1.5	31.0	133	39.5	
G0791902		28	1.0	2.6	133	3.9	30.0
G0791903		26	0.2	1.3	106	2.7	
G0791904		36	0.4	2.2	109	4.0	
G0791905		113	0.7	9.7	172	23.6	

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 21-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11094242

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 30-JUN-2011
Account: PJV

CERTIFICATE VA11102885

Project: Pearson-Bugaboo
P.O. No.:
This report is for 83 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 10-JUN-2011.

The following have access to data associated with this certificate:

PERRY HEATHERINGTON	KLAUS TRIEBEL	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
EXTRA-01	Extra Sample received in Shipment
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Fe-OG62	Ore Grade Fe - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: PACIFIC IRON ORE CORPORATION
ATTN: PERRY HEATHERINGTON
17310 PARKINSON ROAD
PORT RENFREW BC V0S 1K0

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Minerals

ALS Canada Ltd.

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 30-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11102885

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
G0791986		5.46	<0.005	0.01	7.70	2.5	940	1.21	0.09	4.78	0.04	25.5	17.9	69	1.24	39.6
G0791987		2.18	<0.005	<0.01	7.23	<0.2	50	0.74	0.05	7.42	<0.02	30.3	11.3	41	0.08	0.2
G0791988		2.44	<0.005	<0.01	6.13	<0.2	490	0.94	0.03	3.46	0.02	26.8	2.4	10	0.23	0.3
G0791989		3.54	<0.005	0.02	5.80	4.9	560	1.13	0.10	5.70	0.11	44.3	17.8	6	0.60	83.2
G0791990		6.12	<0.005	0.25	0.82	3.2	10	0.17	0.15	3.09	0.05	1.12	93.2	<1	0.42	293
G0791992		8.30	<0.005	0.35	0.22	1.0	10	<0.05	0.20	0.56	0.02	0.16	125.0	<1	0.24	390
G0791993		7.88	<0.005	0.46	0.25	1.0	10	<0.05	0.30	0.38	0.06	0.30	232	<1	0.38	1670
G0791994		8.62	<0.005	0.34	0.39	1.6	10	<0.05	0.22	0.36	0.04	0.18	162.0	<1	1.03	617
G0791995		8.68	<0.005	0.35	0.14	2.7	10	<0.05	0.18	1.09	0.04	0.05	119.0	<1	0.21	663
G0791996		8.50	<0.005	0.33	0.21	2.5	10	<0.05	0.15	0.46	0.02	0.09	100.0	<1	0.46	497
G0791997		7.88	<0.005	0.32	1.09	2.5	20	0.10	0.18	1.54	0.05	1.93	110.5	<1	0.71	352
G0791998		9.38	<0.005	0.35	0.20	2.6	10	0.09	0.15	0.45	0.05	0.07	99.9	<1	0.25	403
G0791999		8.92	<0.005	0.35	0.20	4.6	10	0.09	0.18	0.71	0.04	0.05	114.5	<1	0.26	521
G0792000		3.26	<0.005	0.34	0.80	3.3	10	0.24	0.16	1.04	0.06	0.47	112.0	2	1.28	628
G0792401		1.66	<0.005	0.05	7.26	5	130	0.49	0.09	10.75	0.19	22.3	12.3	28	0.83	143.0
G0792402		1.26	0.007	0.04	0.41	<5	320	0.06	0.03	29.8	0.02	0.60	15.2	2	0.15	44.0
G0792403		2.04	<0.005	0.01	0.16	<5	10	0.10	0.02	32.6	0.02	0.37	10.0	2	0.37	45.4
G0792404		6.92	<0.005	0.14	0.51	<5	10	0.18	0.08	10.75	0.04	0.12	59.8	<1	0.55	313
G0792405		4.78	<0.005	0.29	0.73	3.0	10	0.12	0.14	2.61	0.04	1.46	118.5	<1	0.82	665
G0792406		1.70	<0.005	0.24	1.35	2.6	30	0.08	0.11	2.33	0.02	3.03	100.0	<1	2.48	451
G0792407		9.06	<0.005	0.34	0.26	1.1	<10	<0.05	0.11	1.07	0.02	0.11	117.0	<1	0.27	426
G0792408		8.68	<0.005	0.32	0.32	1.3	10	<0.05	0.13	0.67	0.02	0.14	98.9	1	0.20	452
G0792409		7.04	<0.005	0.28	0.45	1.7	10	0.06	0.14	1.36	0.03	1.47	102.5	11	0.79	520
G0792410		9.28	<0.005	0.38	0.30	1.2	<10	<0.05	0.16	0.53	0.03	0.09	127.5	<1	0.18	662
G0792411		3.50	<0.005	0.34	0.18	0.4	<10	<0.05	0.16	0.35	0.03	0.08	104.5	<1	0.08	519
G0792412		1.08	<0.005	0.06	4.68	0.6	30	0.44	0.06	2.32	0.02	14.05	27.6	96	0.72	97.6
G0792413		2.48	<0.005	0.04	4.83	<5	80	0.29	0.04	19.50	0.05	9.78	18.1	15	0.61	37.4
G0792414		1.40	<0.005	0.14	5.03	1.4	620	0.28	0.19	6.19	0.03	3.81	106.5	72	5.37	657
G0792415		5.46	<0.005	0.33	0.55	0.7	10	0.05	0.23	1.40	0.03	0.20	164.0	2	0.49	722
G0792416		3.62	<0.005	0.02	0.22	<5	20	<0.05	0.04	33.4	<0.02	0.54	23.1	2	0.22	87.0
G0792417		1.20	<0.005	0.12	0.37	<5	80	<0.05	0.07	17.50	0.02	0.49	49.9	1	0.25	251
G0792418		0.98	<0.005	0.25	4.06	3.3	20	0.27	0.31	5.13	0.02	7.09	326	142	1.40	983
G0792419		9.12	<0.005	0.34	0.43	1.3	10	0.10	0.17	2.12	0.03	0.28	129.0	1	0.25	984
G0792420		8.38	<0.005	0.34	0.40	2.5	10	0.10	0.14	1.28	0.02	0.04	118.0	<1	0.36	593
G0792421		2.38	<0.005	<0.01	0.38	<5	40	0.07	0.02	35.0	0.02	1.61	10.4	4	0.13	19.9
G0792422		2.36	<0.005	0.09	1.21	<5	50	0.10	0.09	23.7	0.04	2.49	40.6	15	0.21	214
G0792423		5.16	<0.005	0.09	2.93	<5	140	0.26	0.07	16.95	0.05	7.77	33.7	34	0.31	156.0
G0792424		7.16	0.016	0.49	0.56	1.1	20	0.23	0.21	3.68	0.09	0.36	97.4	3	0.17	723
G0792425		1.68	<0.005	0.21	1.27	4.0	30	0.12	0.09	2.03	0.03	2.85	90.4	<1	4.43	487
G0792426		5.92	0.038	0.57	0.65	1.7	180	0.14	0.33	2.74	0.07	0.63	186.0	4	0.16	919

***** See Appendix Page for comments regarding this certificate *****

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 30-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11102885

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10
G0791986		4.59	17.85	0.13	1.3	0.066	1.14	10.6	16.0	2.26	1070	0.35	2.26	5.6	31.8	900
G0791987		3.39	18.20	0.11	1.3	0.059	0.10	13.6	6.3	1.47	799	0.46	0.69	6.3	26.3	630
G0791988		1.13	13.75	0.09	0.6	0.019	1.36	12.1	1.6	0.41	317	0.55	2.55	6.7	2.4	410
G0791989		3.44	13.90	0.15	1.8	0.077	2.41	17.6	5.0	4.26	1300	1.74	2.11	7.2	1.6	770
G0791990		45.4	5.79	1.27	0.1	0.033	0.09	0.5	2.0	3.75	1170	0.17	0.04	1.3	4.6	110
G0791992		>50	6.22	1.60	0.1	0.023	0.03	<0.5	1.1	1.93	1120	0.20	0.02	1.9	4.6	20
G0791993		>50	5.14	1.61	<0.1	0.030	0.06	<0.5	0.8	1.36	999	0.17	0.02	1.9	6.8	20
G0791994		>50	5.36	1.49	0.1	0.035	0.12	<0.5	1.8	2.76	1160	0.15	0.01	1.9	4.5	30
G0791995		>50	3.49	1.49	<0.1	0.063	0.01	<0.5	1.0	1.47	1570	0.19	<0.01	2.1	2.8	10
G0791996		>50	4.41	1.60	<0.1	0.021	0.05	<0.5	0.8	1.57	1160	0.24	0.01	2.4	2.1	10
G0791997		>50	6.18	1.49	0.2	0.037	0.13	0.8	3.5	2.46	1120	0.24	0.04	2.4	3.1	150
G0791998		>50	4.13	1.58	<0.1	0.020	0.04	<0.5	0.7	1.05	1060	0.09	0.01	2.5	2.4	10
G0791999		>50	4.91	1.61	<0.1	0.020	0.04	<0.5	0.7	1.40	1040	0.08	0.02	2.5	3.0	50
G0792000		>50	6.55	1.58	0.1	0.016	0.22	<0.5	2.5	2.15	1040	0.08	0.02	2.4	6.3	120
G0792401		5.33	11.50	0.20	1.4	0.074	0.83	9.8	13.6	6.69	2960	1.10	0.05	2.5	14.7	1050
G0792402		8.16	1.93	0.20	0.1	0.017	0.04	<0.5	1.4	1.25	545	0.17	0.02	0.6	<0.2	70
G0792403		2.54	0.74	0.08	0.1	0.012	0.02	<0.5	0.8	2.08	744	0.07	0.01	0.4	<0.2	80
G0792404		25.8	3.43	0.55	0.1	0.036	0.08	<0.5	0.9	5.83	1230	0.11	0.02	1.0	2.9	40
G0792405		47.2	5.56	1.34	0.2	0.036	0.12	0.5	1.9	3.52	1070	0.12	0.02	2.1	3.8	130
G0792406		48.8	4.60	1.34	0.3	0.037	0.48	1.1	2.2	3.82	1060	0.08	0.06	2.5	2.8	220
G0792407		>50	4.59	1.60	<0.1	0.012	0.05	<0.5	0.5	1.79	1090	0.14	0.01	2.4	3.4	40
G0792408		>50	4.94	1.61	<0.1	0.010	0.03	<0.5	0.7	1.62	1140	0.12	0.01	2.6	5.3	40
G0792409		>50	6.29	1.47	0.2	0.017	0.13	0.5	2.7	2.06	1100	0.13	0.03	2.6	7.0	180
G0792410		>50	4.83	1.70	<0.1	0.014	0.02	<0.5	0.5	1.45	1040	0.13	0.01	2.7	6.5	30
G0792411		>50	5.23	1.79	<0.1	0.011	0.01	<0.5	0.2	1.00	825	0.20	0.01	2.9	6.2	10
G0792412		14.80	11.40	0.40	0.9	0.045	0.28	6.0	17.9	9.32	1260	0.47	0.18	2.6	33.9	600
G0792413		3.82	8.00	0.13	0.6	0.035	0.31	4.1	13.5	5.58	785	0.28	0.40	1.3	13.9	450
G0792414		7.79	9.81	0.26	0.7	0.048	1.92	1.4	8.5	10.55	796	0.14	0.30	2.7	19.9	200
G0792415		>50	5.25	1.54	0.1	0.015	0.08	<0.5	0.9	2.85	1080	0.08	0.02	2.3	6.9	60
G0792416		2.76	0.64	0.11	0.1	<0.005	0.04	<0.5	0.8	0.86	708	0.06	0.01	0.5	0.2	50
G0792417		24.7	2.35	0.57	0.1	0.013	0.02	<0.5	1.0	2.14	915	0.06	0.01	1.2	1.4	80
G0792418		17.70	7.62	0.45	0.5	0.141	0.23	2.8	15.6	6.98	941	0.27	0.04	1.4	9.2	420
G0792419		>50	4.74	1.53	0.1	0.024	0.04	<0.5	1.0	1.95	1030	0.10	0.01	2.3	4.5	40
G0792420		>50	4.49	1.57	0.1	0.014	0.04	<0.5	0.7	1.99	1040	0.17	0.01	2.4	2.9	50
G0792421		1.16	0.99	0.07	0.1	0.006	0.05	0.7	1.2	0.74	609	0.42	0.08	0.6	1.2	60
G0792422		13.85	3.06	0.33	0.2	0.031	0.02	1.0	6.1	2.48	568	0.40	0.03	0.9	8.3	130
G0792423		11.35	7.18	0.25	0.5	0.037	0.01	3.4	7.5	4.67	707	0.48	0.09	1.6	22.1	370
G0792424		>50	8.30	1.67	0.1	0.026	0.03	<0.5	1.7	0.86	965	0.14	0.04	2.4	10.8	60
G0792425		44.8	5.13	1.17	0.3	0.040	0.79	0.9	3.2	4.38	1060	0.10	0.08	2.9	2.6	350
G0792426		>50	7.03	1.56	0.2	0.037	0.02	<0.5	1.7	1.16	1040	0.22	0.04	2.5	19.6	110

***** See Appendix Page for comments regarding this certificate *****

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ALS Minerals

To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 30-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11102885

Sample Description	Method Analyte Units LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
G0791986		5.2	23.1	<0.002	0.28	0.32	19.8	1	1.9	327	0.34	<0.05	2.1	0.431	0.20	1.0
G0791987		1.8	2.4	<0.002	0.01	0.30	14.4	2	1.1	911	0.39	<0.05	2.8	0.335	0.02	1.0
G0791988		2.1	33.8	<0.002	0.03	0.22	5.1	2	1.5	285	0.36	<0.05	2.7	0.263	0.15	1.0
G0791989		3.1	78.3	0.002	0.31	0.49	8.6	2	2.4	295	0.59	<0.05	5.2	0.303	0.22	2.0
G0791990		0.6	8.3	0.003	2.15	0.68	2.2	2	0.9	47.9	<0.05	0.19	<0.2	0.035	0.16	0.5
G0791992		0.6	3.1	0.005	2.56	0.39	1.1	1	1.4	7.5	<0.05	0.22	<0.2	0.019	0.12	0.8
G0791993		0.7	6.4	0.008	5.13	0.34	0.6	2	2.0	6.8	<0.05	0.36	<0.2	0.010	0.18	0.3
G0791994		0.8	16.0	0.007	3.36	0.46	1.0	1	1.8	9.5	<0.05	0.25	<0.2	0.017	0.17	0.3
G0791995		1.1	1.4	0.005	2.93	0.64	0.5	1	3.3	18.6	<0.05	0.21	<0.2	0.007	0.14	0.3
G0791996		0.8	5.9	0.005	1.86	0.75	0.8	1	1.9	7.1	<0.05	0.19	<0.2	0.019	0.11	0.2
G0791997		1.9	13.5	0.003	1.83	0.58	4.0	2	1.8	126.0	<0.05	0.22	0.2	0.071	0.10	0.4
G0791998		1.1	3.8	0.004	1.68	0.31	0.6	1	4.4	6.2	<0.05	0.18	<0.2	0.008	0.03	0.2
G0791999		1.0	3.8	0.004	2.17	0.63	0.4	2	2.2	6.8	<0.05	0.21	<0.2	0.006	0.07	0.2
G0792000		0.7	25.4	0.004	2.47	0.49	2.2	2	0.4	31.5	<0.05	0.22	<0.2	0.037	0.15	0.2
G0792401		1.2	52.7	<0.002	0.06	0.96	29.9	2	3.3	552	0.14	<0.05	0.5	0.553	0.15	1.8
G0792402		0.8	2.5	0.002	0.43	0.20	1.4	2	0.7	4270	<0.05	<0.05	<0.2	0.020	<0.02	1.9
G0792403		<0.5	3.1	0.002	0.99	0.10	0.7	1	<0.2	1540	<0.05	<0.05	<0.2	0.011	0.02	1.0
G0792404		0.7	8.5	0.003	1.48	0.75	1.0	2	0.2	155.5	<0.05	0.10	<0.2	0.026	0.07	0.2
G0792405		0.7	14.4	0.003	3.01	1.29	2.3	2	0.3	147.5	<0.05	0.16	<0.2	0.077	0.20	0.4
G0792406		0.7	58.5	0.002	1.96	0.66	5.0	1	0.3	91.5	<0.05	0.13	0.3	0.109	0.28	0.2
G0792407		<0.5	5.2	0.002	2.26	0.39	1.0	1	<0.2	13.9	<0.05	0.16	<0.2	0.016	0.09	0.1
G0792408		<0.5	3.2	0.003	2.02	0.36	1.4	1	<0.2	12.0	<0.05	0.18	<0.2	0.017	0.08	0.1
G0792409		0.6	15.0	0.003	2.46	0.58	2.9	2	0.3	101.0	<0.05	0.16	<0.2	0.100	0.23	0.4
G0792410		<0.5	2.6	0.003	2.85	0.27	0.9	2	<0.2	6.6	<0.05	0.21	<0.2	0.015	0.17	0.2
G0792411		0.5	0.4	0.003	2.31	0.23	0.7	1	<0.2	4.8	<0.05	0.22	<0.2	0.011	0.10	0.1
G0792412		<0.5	12.0	<0.002	0.13	0.29	12.7	2	0.5	127.5	0.14	0.06	0.8	0.369	0.05	0.6
G0792413		1.2	19.0	<0.002	0.41	0.25	17.1	1	0.4	1225	0.06	<0.05	0.5	0.258	0.06	1.2
G0792414		0.7	161.0	0.006	3.19	0.69	23.2	3	0.5	541	0.10	0.12	0.3	0.292	0.97	0.8
G0792415		<0.5	9.1	0.004	3.17	0.31	2.4	2	<0.2	17.3	<0.05	0.23	<0.2	0.021	0.17	0.2
G0792416		<0.5	4.3	0.002	0.95	0.17	0.8	2	<0.2	2660	<0.05	0.05	<0.2	0.012	0.03	1.1
G0792417		<0.5	2.7	0.002	1.70	0.55	1.1	1	<0.2	1110	<0.05	0.09	<0.2	0.019	0.08	0.5
G0792418		0.5	27.1	0.006	6.77	1.86	19.6	3	0.8	401	0.05	0.25	0.3	0.257	0.48	2.0
G0792419		<0.5	4.3	0.003	2.70	0.59	2.0	1	0.2	124.0	<0.05	0.19	<0.2	0.024	0.16	0.2
G0792420		<0.5	3.9	0.003	2.38	0.62	1.1	1	0.2	26.3	<0.05	0.18	<0.2	0.017	0.17	0.3
G0792421		<0.5	1.9	<0.002	0.47	0.11	1.1	1	<0.2	1190	<0.05	<0.05	<0.2	0.022	0.03	1.0
G0792422		0.8	2.0	0.003	1.82	0.30	4.4	1	0.3	678	<0.05	0.08	0.2	0.066	0.09	1.7
G0792423		1.2	0.5	0.002	1.19	0.48	10.5	1	0.4	831	0.07	0.06	0.5	0.180	0.14	1.2
G0792424		1.4	0.6	0.003	3.52	0.46	1.3	3	<0.2	82.8	<0.05	0.25	<0.2	0.021	0.47	0.2
G0792425		0.5	96.9	0.002	1.48	0.64	5.0	2	0.3	78.4	0.07	0.14	0.2	0.175	0.42	0.3
G0792426		1.7	0.8	0.005	5.96	0.32	3.1	4	0.2	72.1	<0.05	0.37	<0.2	0.033	0.36	0.3

***** See Appendix Page for comments regarding this certificate *****

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To: PACIFIC IRON ORE CORPORATION
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CALGARY AB T2P 4H2

Finalized Date: 30-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11102885

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	Fe-OG62
	Analyte	V	W	Y	Zn	Zr	Fe
	Units	ppm	ppm	ppm	ppm	ppm	%
	LOR	1	0.1	0.1	2	0.5	0.01
G0791986		130	2.0	25.1	65	43.3	
G0791987		87	1.1	27.1	40	38.0	
G0791988		31	0.6	20.9	16	13.1	
G0791989		40	0.8	39.7	86	40.1	
G0791990		24	1.1	1.9	76	4.2	45.9
G0791992		16	0.8	0.4	76	1.9	61.7
G0791993		10	1.2	0.6	83	1.1	62.9
G0791994		12	1.3	0.5	67	1.8	59.0
G0791995		7	1.5	0.6	105	1.2	61.5
G0791996		9	1.5	0.5	75	1.6	62.5
G0791997		37	0.8	2.7	105	5.9	54.3
G0791998		6	1.2	0.5	87	1.0	64.2
G0791999		5	1.3	0.5	81	1.0	60.6
G0792000		21	0.7	1.2	74	3.1	57.5
G0792401		210	2.5	19.6	88	45.8	
G0792402		14	0.2	0.9	36	2.3	
G0792403		3	0.2	1.1	9	2.6	
G0792404		21	2.0	0.8	58	3.9	28.7
G0792405		37	1.0	2.0	60	6.1	48.0
G0792406		30	1.0	3.1	54	8.8	49.7
G0792407		12	0.7	0.5	56	1.2	60.4
G0792408		12	0.8	0.6	58	1.3	61.1
G0792409		43	1.0	2.0	63	7.4	53.9
G0792410		9	0.8	0.6	54	1.0	61.8
G0792411		8	0.9	0.6	49	0.7	64.5
G0792412		186	1.1	12.5	48	22.0	
G0792413		140	0.5	8.8	40	14.9	
G0792414		95	0.9	4.9	66	21.9	
G0792415		20	0.6	0.7	74	2.6	56.0
G0792416		3	0.2	0.9	5	3.0	
G0792417		8	0.4	1.0	44	3.1	28.0
G0792418		190	0.7	8.9	39	14.6	
G0792419		21	0.8	0.8	69	2.5	58.7
G0792420		9	1.1	0.5	57	1.7	60.6
G0792421		6	0.2	1.7	6	2.8	
G0792422		40	1.9	2.2	43	5.5	
G0792423		78	1.6	7.4	40	14.9	
G0792424		19	0.9	1.6	64	2.7	55.0
G0792425		45	1.2	3.7	58	11.5	45.7
G0792426		24	9.9	2.4	59	4.3	55.8

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Finalized Date: 30-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11102885

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
G0792427		4.20	0.007	0.24	6.61	3.2	140	0.31	0.22	9.97	0.04	7.98	78.5	86	0.51	551
G0792428		9.56	<0.005	0.39	0.60	1.8	10	0.24	0.17	2.42	0.06	0.37	103.0	1	0.15	476
G0792429		4.46	<0.005	0.37	1.53	2.5	10	0.15	0.13	3.54	0.05	1.73	72.7	15	0.12	891
G0792430		7.08	0.036	0.76	0.42	2.7	20	0.17	0.23	3.28	0.08	0.56	255	1	0.09	2440
G0792431		0.88	0.093	1.14	0.69	6.6	20	0.35	0.42	8.05	0.19	0.61	419	8	0.06	4830
G0792432		3.60	0.009	0.17	4.37	<5	10	0.31	0.13	15.35	0.07	6.79	51.9	57	0.09	483
G0792433		5.32	<0.005	0.08	6.87	<5	10	0.21	0.15	15.10	0.05	45.5	26.3	13	0.06	163.5
G0792434		5.02	<0.005	0.09	4.14	0.7	20	0.15	0.05	4.16	0.05	1.88	114.0	1160	0.83	310
G0792447		2.10	<0.005	0.08	1.71	<5	30	0.15	0.08	23.9	0.04	3.84	36.4	27	0.28	162.5
G0792591		3.18	0.008	0.24	6.54	5	210	0.26	0.19	18.05	0.07	9.22	56.6	23	0.83	693
G0792592		8.58	0.007	0.36	0.67	3.5	10	0.18	0.11	0.61	0.05	0.14	144.5	22	0.69	516
G0792593		2.52	<0.005	0.04	8.88	<0.2	300	0.46	0.04	8.00	0.07	17.45	29.1	33	0.71	23.7
G0792594		3.28	<0.005	0.27	1.32	15.9	60	0.25	0.08	3.24	0.06	2.63	104.5	12	0.19	394
G0792595		3.24	<0.005	0.06	9.12	3.6	320	0.81	0.07	8.46	0.06	25.8	34.9	12	2.20	165.5
G0792597		4.50	0.008	0.52	1.07	19.7	20	0.23	0.10	5.36	0.32	1.32	110.0	3	0.12	619
G0792598		5.68	<0.005	0.07	4.97	6	140	0.24	0.05	15.90	0.07	12.35	30.5	3	0.27	112.5
G0792599		2.64	<0.005	0.19	0.49	10	20	0.10	0.14	17.65	0.11	0.46	69.1	1	0.31	264
G0792600		3.12	<0.005	0.78	0.47	26.0	10	0.17	0.30	1.24	0.46	0.23	211	<1	0.16	1660
G0792601		1.08	0.006	0.03	7.94	0.2	60	0.48	0.06	8.59	0.04	18.05	38.8	132	0.15	23.8
G0792602		5.76	0.017	0.39	0.99	7.7	30	0.18	0.64	6.76	0.08	1.35	163.5	4	0.69	606
G0792603		2.74	0.006	0.25	0.49	6	30	<0.05	0.31	23.0	0.08	0.52	78.7	1	0.51	813
G0792606		4.16	0.117	1.29	0.62	60.0	20	0.24	0.19	1.78	0.29	0.31	190.0	1	0.28	1980
G0792607		2.26	0.008	0.58	0.31	16	<10	0.13	0.12	20.4	0.52	0.40	30.8	1	0.05	1010
G0792608		5.64	<0.005	0.07	4.24	6	140	0.28	0.08	22.3	0.05	9.84	23.7	15	0.23	169.0
G0792609		5.34	0.017	0.47	0.50	7.8	10	0.29	0.10	4.65	0.27	0.23	79.1	<1	0.12	461
G0792610		6.44	0.018	0.51	0.41	8.8	10	0.22	0.16	3.90	0.27	0.12	126.0	<1	0.15	502
G0792611		3.08	<0.005	0.06	8.80	0.3	140	0.68	0.10	9.60	0.04	22.1	19.6	14	0.43	15.7
G0792612		5.78	0.006	0.32	0.30	4.9	10	0.17	0.07	2.56	0.10	0.26	50.5	<1	0.20	148.5
G0792613		8.24	0.007	0.28	0.24	4.2	10	0.23	0.10	2.40	0.11	0.20	44.5	<1	0.23	90.1
G0792614		5.68	0.010	0.35	0.43	8.5	10	0.23	0.13	2.34	0.13	0.66	67.0	<1	0.18	359
G0792615		2.38	<0.005	0.06	7.93	0.2	70	0.31	0.15	9.30	0.07	6.46	39.1	201	0.54	50.3
G0792616		6.60	0.013	0.44	0.36	22.2	20	0.23	0.14	2.18	0.11	0.26	86.5	<1	0.17	550
G0792617		1.34	0.013	0.20	0.58	30.2	10	0.35	0.22	9.32	0.06	0.72	70.2	22	0.15	430
G0792647		2.70	<0.005	0.03	9.19	4.0	160	0.56	0.14	8.48	0.04	20.2	23.2	23	0.37	11.4
G0792604		2.48	0.038	0.05	7.54	7	290	0.50	0.06	10.70	0.07	19.40	27.5	80	1.00	80.4
G0792605		2.92	0.005	0.18	6.85	30	10	0.34	0.22	14.20	0.12	18.25	71.8	41	0.13	513
G0792618		5.78	0.008	0.14	8.10	15	20	0.23	0.53	13.45	0.04	12.80	106.0	141	0.06	487
G0792619		2.70	<0.005	0.04	8.75	7.1	60	0.80	0.05	8.26	<0.02	28.6	24.1	3	0.39	127.5
G0792620		4.04	0.007	0.17	3.07	12	10	0.30	0.06	13.25	0.10	11.15	48.0	9	0.07	648
G0792621		1.48	<0.005	0.01	0.30	12	40	<0.05	0.02	32.7	<0.02	0.55	5.3	7	<0.05	28.4

***** See Appendix Page for comments regarding this certificate *****

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 30-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11102885

Sample Description	Method Analyte Units LOR	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10
G0792427		14.95	9.95	0.34	0.7	0.079	0.39	3.5	7.3	3.43	1700	0.31	0.27	2.0	21.8	660
G0792428		>50	8.06	1.58	0.1	0.070	0.02	<0.5	1.5	0.99	1250	0.13	0.03	2.8	23.1	100
G0792429		>50	8.48	1.48	0.3	0.093	0.03	0.9	1.5	1.04	1230	0.16	0.04	2.7	16.0	140
G0792430		>50	7.25	1.61	0.2	0.158	0.01	<0.5	0.9	0.79	1320	0.28	0.02	2.7	94.2	80
G0792431		32.0	5.31	0.73	0.9	0.208	0.01	<0.5	2.1	3.68	1960	0.70	0.08	2.0	130.0	10
G0792432		15.10	9.78	0.33	1.6	0.521	0.05	3.6	3.3	2.96	3770	0.32	0.26	6.6	37.8	100
G0792433		9.92	17.30	0.26	1.9	1.670	0.03	23.0	2.3	2.55	1670	0.11	0.08	4.4	17.3	80
G0792434		9.10	7.73	0.28	0.5	0.049	0.11	0.7	8.2	14.95	1400	0.30	0.53	0.7	1035	120
G0792447		11.30	3.72	0.24	0.3	0.078	0.04	1.7	6.4	2.67	845	0.36	0.05	1.4	14.5	170
G0792591		6.55	12.65	0.14	0.8	0.153	0.64	3.7	3.2	2.81	1200	0.30	0.41	1.7	12.5	620
G0792592		>50	6.44	1.49	0.1	0.016	0.12	<0.5	1.2	1.92	913	0.13	0.02	2.4	28.5	30
G0792593		7.62	16.70	0.22	1.0	0.058	1.18	7.4	4.4	3.57	1240	0.24	1.87	2.7	20.6	970
G0792594		46.9	9.30	1.19	0.2	0.034	0.17	1.0	4.5	2.41	1460	0.11	0.11	2.1	12.5	230
G0792595		6.44	14.60	0.21	1.0	0.033	1.88	11.0	5.3	1.82	1280	0.85	1.28	4.0	8.7	1550
G0792597		48.0	6.90	1.30	0.1	0.025	0.06	0.8	1.0	2.40	1010	0.41	0.07	2.0	4.8	70
G0792598		11.75	10.75	0.27	0.5	0.035	0.62	5.5	6.7	3.22	1020	0.51	0.96	2.1	3.2	700
G0792599		25.5	3.19	0.51	<0.1	0.013	0.06	<0.5	1.5	2.29	684	0.41	0.02	1.1	2.3	40
G0792600		>50	5.99	1.40	0.1	0.016	0.03	<0.5	0.8	1.55	762	0.39	0.02	2.2	5.1	30
G0792601		7.29	15.45	0.18	1.2	0.066	0.28	7.4	25.9	6.53	2140	0.67	0.81	3.4	70.8	1070
G0792602		48.9	5.43	1.19	0.2	0.018	0.19	0.6	1.4	1.63	833	0.24	0.11	2.1	7.4	110
G0792603		18.90	2.41	0.40	0.1	0.014	0.11	<0.5	0.8	1.78	751	0.34	0.02	0.9	3.4	50
G0792606		>50	9.15	1.56	<0.1	0.050	0.07	<0.5	1.4	0.98	1200	0.45	0.05	2.2	37.7	80
G0792607		19.10	19.65	0.41	<0.1	0.578	0.01	<0.5	0.3	1.03	5710	1.46	0.01	0.8	6.5	40
G0792608		5.29	8.69	0.12	0.5	0.061	0.37	4.4	4.9	1.94	1210	0.19	0.81	1.6	9.3	490
G0792609		>50	7.64	1.40	<0.1	0.040	0.05	<0.5	1.9	2.00	1050	0.22	0.05	1.8	9.5	60
G0792610		>50	7.89	1.51	<0.1	0.069	0.04	<0.5	1.3	1.65	1300	0.29	0.03	1.8	16.0	60
G0792611		6.59	17.40	0.16	0.9	0.061	0.51	9.7	6.9	2.54	1240	0.26	2.06	3.6	8.5	1240
G0792612		>50	8.16	1.51	<0.1	0.018	0.03	<0.5	1.4	1.30	863	3.48	0.04	2.1	7.8	50
G0792613		>50	7.73	1.36	<0.1	0.022	0.03	<0.5	1.2	1.27	900	2.12	0.04	1.9	4.0	50
G0792614		>50	7.96	1.21	<0.1	0.024	0.04	<0.5	1.7	1.40	894	1.08	0.08	1.7	6.3	80
G0792615		11.15	15.35	0.28	0.6	0.092	0.55	2.5	8.5	5.00	2210	0.38	1.00	0.9	92.8	460
G0792616		>50	9.31	1.45	<0.1	0.024	0.04	<0.5	1.5	1.05	755	0.20	0.04	1.9	12.7	70
G0792617		35.7	5.11	0.19	0.2	0.070	0.04	<0.5	1.2	4.28	1360	0.16	0.08	0.5	17.5	50
G0792647		8.57	19.25	0.06	1.1	0.066	0.50	9.0	5.7	2.86	1400	0.22	2.27	3.8	12.0	1280
G0792604		8.33	13.35	0.06	1.1	0.051	1.04	8.6	8.0	4.18	1100	0.43	1.53	3.2	41.0	990
G0792605		13.75	17.15	0.11	1.1	0.193	0.07	8.7	2.2	3.68	2080	0.32	0.10	2.8	20.4	910
G0792618		10.30	18.30	0.07	0.9	0.444	0.03	5.9	2.8	3.04	1460	0.55	0.19	1.4	31.3	620
G0792619		4.78	16.35	0.07	1.2	0.156	0.42	13.4	2.2	1.32	1040	1.13	3.47	4.3	1.1	1230
G0792620		19.85	12.05	0.13	0.6	0.370	0.07	5.4	1.3	3.11	2190	0.91	0.58	1.5	5.8	390
G0792621		0.62	0.73	<0.05	<0.1	0.014	<0.01	<0.5	0.9	1.83	163	0.11	0.02	0.2	<0.2	40

***** See Appendix Page for comments regarding this certificate *****

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 30-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11102885

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
G0792427		0.9	17.8	0.003	2.52	0.64	31.3	3	0.8	628	0.08	0.20	0.4	0.409	0.13	0.7
G0792428		1.1	1.5	0.002	2.19	0.29	2.6	2	0.2	20.3	<0.05	0.21	<0.2	0.034	0.14	0.3
G0792429		1.0	1.2	<0.002	1.44	0.31	7.7	2	0.5	129.0	<0.05	0.17	0.2	0.107	0.08	0.6
G0792430		1.1	0.3	0.005	5.14	0.22	2.7	3	0.5	15.9	<0.05	0.30	<0.2	0.029	0.27	0.6
G0792431		1.1	0.4	0.009	9.58	0.71	4.5	7	0.6	21.4	0.06	0.59	0.4	0.064	0.50	0.4
G0792432		0.9	2.2	0.003	0.91	1.00	14.4	3	2.1	401	0.31	0.10	0.9	0.197	0.03	2.7
G0792433		1.5	1.2	<0.002	0.49	0.75	3.2	2	2.7	1465	0.58	0.05	7.9	0.073	0.03	14.6
G0792434		<0.5	5.4	0.002	0.45	0.30	26.2	1	0.3	63.7	<0.05	0.06	<0.2	0.199	0.15	0.1
G0792447		0.5	3.6	0.003	1.43	0.31	6.3	1	0.5	684	0.05	0.06	0.2	0.097	0.06	1.8
G0792591		1.3	43.4	0.002	2.82	0.80	25.1	3	0.6	1705	0.09	0.08	0.6	0.386	0.16	1.6
G0792592		0.8	11.4	0.004	1.90	0.43	1.3	2	0.2	21.0	<0.05	0.20	<0.2	0.017	0.11	0.2
G0792593		1.5	38.5	<0.002	0.10	0.45	33.0	2	0.6	669	0.13	<0.05	0.7	0.574	0.17	0.3
G0792594		0.8	6.7	0.002	1.19	0.45	6.7	2	0.4	156.0	<0.05	0.12	0.2	0.126	0.04	0.6
G0792595		1.3	73.3	0.002	0.59	0.63	24.1	3	0.7	922	0.19	0.07	1.3	0.611	0.41	0.6
G0792597		1.1	2.0	0.002	2.74	0.26	2.3	2	0.2	85.2	<0.05	0.21	<0.2	0.035	0.04	0.2
G0792598		1.1	24.0	0.002	0.75	0.81	10.9	1	0.4	1280	0.09	0.09	0.7	0.277	0.11	1.1
G0792599		0.7	5.2	0.004	1.77	0.13	0.7	1	0.2	1570	<0.05	0.18	<0.2	0.014	0.03	1.0
G0792600		1.4	1.5	0.005	4.58	0.28	0.9	2	0.3	34.7	<0.05	0.35	<0.2	0.013	0.06	0.2
G0792601		1.4	2.8	<0.002	0.08	0.55	33.6	2	0.6	1265	0.16	<0.05	0.7	0.568	0.04	0.3
G0792602		1.2	15.2	0.005	4.10	0.24	2.8	2	0.3	422	<0.05	0.72	<0.2	0.045	0.10	1.2
G0792603		1.5	9.3	0.005	2.27	0.15	0.8	2	<0.2	1100	<0.05	0.17	<0.2	0.016	0.06	1.4
G0792606		1.5	2.0	0.003	4.15	0.67	0.9	4	0.4	47.5	<0.05	0.30	<0.2	0.018	0.07	0.4
G0792607		0.6	0.5	0.002	1.10	0.21	0.2	2	2.1	34.8	<0.05	0.13	<0.2	<0.005	0.02	1.4
G0792608		1.9	13.2	<0.002	0.46	2.07	11.8	1	0.5	2340	0.07	0.05	0.4	0.253	0.07	0.8
G0792609		1.1	1.2	0.002	0.90	0.56	0.7	1	0.2	67.8	<0.05	0.13	<0.2	0.011	0.03	0.3
G0792610		1.3	1.3	0.003	1.26	0.61	0.5	2	0.3	22.0	<0.05	0.22	<0.2	0.010	0.02	0.4
G0792611		3.7	15.3	<0.002	0.04	5.11	20.0	2	0.7	1425	0.18	<0.05	1.0	0.518	0.08	0.5
G0792612		1.2	1.1	0.008	0.24	0.52	0.4	1	0.4	22.4	<0.05	0.12	<0.2	0.006	0.16	0.6
G0792613		1.4	1.1	0.008	0.14	0.58	0.3	1	0.4	23.3	<0.05	0.11	<0.2	<0.005	0.15	0.5
G0792614		1.1	1.3	0.005	0.40	0.72	0.7	1	0.3	47.7	<0.05	0.10	<0.2	0.016	0.08	0.4
G0792615		1.2	13.9	0.002	0.07	1.55	40.6	2	0.5	854	<0.05	0.05	<0.2	0.406	0.11	0.2
G0792616		1.0	1.2	0.003	0.77	1.00	0.4	1	0.2	21.5	<0.05	0.14	<0.2	0.006	0.05	0.6
G0792617		1.4	1.4	0.003	3.33	1.14	5.9	3	0.3	51.7	<0.05	0.08	<0.2	0.062	0.37	0.3
G0792647		4.0	11.8	<0.002	0.03	6.13	24.1	2	0.7	1490	0.21	<0.05	1.1	0.568	0.14	0.6
G0792604		1.3	50.0	0.002	0.28	0.44	26.5	1	0.5	909	0.17	<0.05	1.2	0.457	0.19	0.8
G0792605		6.4	1.4	<0.002	1.03	7.36	26.4	2	1.2	1405	0.14	0.12	1.0	0.448	0.08	2.0
G0792618		2.0	1.0	0.005	3.94	2.71	45.0	4	1.1	1600	0.08	0.13	0.6	0.397	0.08	3.0
G0792619		<0.5	8.5	0.005	0.47	2.13	23.3	2	0.7	1585	0.25	<0.05	2.5	0.534	0.04	1.0
G0792620		0.6	1.9	0.005	1.24	0.94	7.3	2	0.7	538	0.08	<0.05	0.8	0.163	0.06	1.5
G0792621		<0.5	0.2	0.002	0.76	0.19	1.5	1	<0.2	7060	<0.05	<0.05	<0.2	0.016	<0.02	1.6

***** See Appendix Page for comments regarding this certificate *****

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To: PACIFIC IRON ORE CORPORATION
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CALGARY AB T2P 4H2

Finalized Date: 30-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11102885

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Fe-OG62 Fe % 0.01
G0792427		163	5.5	12.6	44	21.7	
G0792428		24	1.7	2.5	93	4.0	60.1
G0792429		42	2.7	5.1	73	10.8	55.1
G0792430		19	5.1	3.5	93	6.1	56.8
G0792431		30	0.9	2.7	88	24.5	32.1
G0792432		76	2.2	32.5	50	43.6	
G0792433		31	0.6	38.1	35	44.5	
G0792434		133	0.3	10.7	84	17.3	
G0792447		49	3.0	5.3	40	8.5	
G0792591		182	1.0	13.2	33	23.9	
G0792592		10	1.4	0.8	59	1.9	62.4
G0792593		271	0.5	18.7	67	25.1	
G0792594		83	0.9	3.8	148	7.9	48.0
G0792595		165	0.7	23.1	57	24.2	
G0792597		24	0.6	1.6	95	2.4	47.8
G0792598		106	0.5	10.7	68	14.7	
G0792599		7	0.3	0.8	74	1.6	28.8
G0792600		9	0.8	0.7	75	1.7	60.7
G0792601		258	1.5	16.7	118	33.0	
G0792602		20	0.7	1.8	65	4.7	48.0
G0792603		6	0.3	1.1	44	2.4	
G0792606		22	4.8	1.2	139	1.6	59.0
G0792607		21	8.6	0.4	49	0.6	
G0792608		108	2.2	8.4	48	15.4	
G0792609		13	23.8	1.2	104	1.6	51.4
G0792610		21	11.3	0.8	88	1.3	53.3
G0792611		198	3.6	19.5	66	24.4	
G0792612		17	640	0.8	71	1.0	59.2
G0792613		13	610	0.7	67	0.8	57.5
G0792614		14	296	1.2	69	1.2	58.1
G0792615		259	45.9	12.9	96	14.2	
G0792616		11	35.5	1.2	59	0.6	59.6
G0792617		62	15.5	1.7	75	4.1	33.6
G0792647		216	6.3	20.4	74	28.8	
G0792604		184	3.2	17.7	68	30.2	
G0792605		184	4.4	17.7	90	34.5	
G0792618		274	1.8	16.2	47	24.1	
G0792619		146	1.0	25.6	23	25.7	
G0792620		59	20.0	8.8	78	18.2	
G0792621		9	0.4	0.7	4	1.1	

***** See Appendix Page for comments regarding this certificate *****

ALS Minerals
ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 30-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11102885

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
G0792622		1.90	0.010	0.21	5.79	16	50	0.30	0.20	11.70	0.03	11.90	107.5	63	0.18	1045
G0792623		1.22	<0.005	0.01	0.45	8	50	<0.05	0.02	32.8	<0.02	0.99	5.3	2	0.08	35.1
G0792624		1.14	<0.005	0.08	8.48	19	70	0.41	0.09	12.50	0.04	12.55	34.3	16	1.56	148.5

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CERTIFICATE OF ANALYSIS VA11102885

Sample Description	Method Analyte Units LOR	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10
G0792622		16.70	14.30	0.14	1.0	0.102	0.22	5.7	4.1	3.58	1470	0.51	0.32	2.2	74.7	670
G0792623		1.06	1.04	<0.05	0.2	0.018	0.02	<0.5	3.4	1.04	215	0.43	0.03	0.3	<0.2	60
G0792624		5.67	18.15	<0.05	1.2	0.090	1.00	5.3	5.0	2.52	955	0.81	1.37	1.6	18.5	1000

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CALGARY AB T2P 4H2

Finalized Date: 30-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11102885

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
G0792622		0.7	5.9	0.004	3.25	1.00	21.3	3	0.4	1280	0.12	0.18	0.5	0.364	0.07	0.8
G0792623		<0.5	0.8	0.003	0.89	0.13	1.1	1	<0.2	3530	<0.05	<0.05	<0.2	0.022	<0.02	2.6
G0792624		0.9	42.5	0.002	1.18	3.31	31.6	2	0.6	1280	0.11	0.07	0.6	0.471	0.16	1.1

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CALGARY AB T2P 4H2

Finalized Date: 30-JUN-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11102885

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Fe-OG62 Fe % 0.01
G0792622		161	0.7	12.4	101	33.5	
G0792623		4	0.7	1.1	5	4.6	
G0792624		243	0.5	15.8	37	38.0	

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CALGARY AB T2P 4H2

Finalized Date: 30-JUN-2011
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Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11102885

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 5-JUL-2011
Account: PJV

CERTIFICATE VA11109635

Project: Pearson-Bugaboo
P.O. No.:
This report is for 44 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 17-JUN-2011.

The following have access to data associated with this certificate:

PERRY HEATHERINGTON	KLAUS TRIEBEL	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Fe-OG62	Ore Grade Fe - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: PACIFIC IRON ORE CORPORATION
ATTN: KLAUS TRIEBEL
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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ALS Minerals

To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 5-JUL-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11109635

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
G0792564		6.02	<0.005	0.04	2.85	<5	10	0.72	0.07	17.65	0.05	32.0	14.5	3	0.06	5.6
G0792565		4.78	<0.005	0.04	2.81	9	40	0.71	0.11	16.15	0.06	5.85	18.2	3	0.18	3.8
G0792566		2.36	<0.005	0.05	6.14	8	10	0.19	0.23	18.00	0.09	31.6	7.4	4	0.06	5.8
G0792567		3.40	0.005	0.10	8.30	0.8	650	1.29	0.07	6.09	0.09	45.5	25.4	6	0.58	145.0
G0792568		5.18	<0.005	0.12	0.76	3.3	10	0.24	0.23	8.52	0.21	0.94	24.8	2	0.07	27.1
G0792569		6.28	0.005	0.11	8.00	9	270	0.36	0.17	10.80	0.10	29.9	52.5	17	0.86	254
G0792570		5.32	<0.005	0.04	9.07	0.8	340	0.74	0.04	6.24	0.06	24.1	23.9	30	1.12	73.3
G0792571		5.48	<0.005	0.06	8.75	2.3	390	0.65	0.05	5.93	0.07	22.0	26.8	26	1.82	81.9
G0792573		2.14	<0.005	0.10	8.65	2.0	420	0.75	0.04	6.20	0.07	20.4	22.0	27	1.30	87.9
G0792574		1.58	0.006	0.34	1.10	5.6	10	0.06	0.36	1.22	0.08	1.32	73.0	<1	0.28	667
G0792575		3.46	<0.005	0.06	8.81	3.5	500	0.63	0.10	5.34	0.03	20.8	30.0	21	1.65	42.5
G0792576		5.80	<0.005	0.30	0.33	2.3	10	<0.05	0.21	1.00	0.04	0.36	120.5	<1	0.17	480
G0792577		4.14	<0.005	0.23	0.84	3.4	20	0.05	0.13	1.17	0.02	1.98	63.3	2	0.69	331
G0792578		4.58	<0.005	0.28	0.34	4.3	10	<0.05	0.20	0.32	0.04	0.50	102.5	<1	0.40	509
G0792579		7.68	<0.005	0.31	0.12	5.0	10	<0.05	0.18	0.39	0.06	0.10	96.4	<1	0.17	606
G0792580		5.16	<0.005	0.05	8.49	1.5	350	0.65	0.04	5.41	0.06	21.4	22.9	27	1.04	56.7
G0792581		2.88	<0.005	0.06	8.90	2.4	310	0.75	0.07	6.91	0.06	26.5	31.3	24	0.96	97.2
G0792582		2.48	<0.005	0.30	0.42	27.5	50	0.09	0.08	2.45	0.24	0.38	86.7	<1	0.53	664
G0792583		1.38	<0.005	0.07	4.74	2.6	100	0.36	0.05	3.57	0.02	23.5	25.1	24	0.60	24.8
G0792584		4.02	<0.005	0.25	1.22	4.8	10	0.11	0.15	2.07	0.05	2.93	81.4	<1	0.20	399
G0792585		6.34	0.006	0.24	0.32	3.8	10	0.05	0.14	2.54	0.05	0.08	107.5	<1	0.25	591
G0792586		5.54	<0.005	0.07	1.70	9	20	0.21	0.09	11.95	0.04	2.90	47.5	7	0.71	271
G0792587		6.68	<0.005	0.10	4.50	11	50	0.33	0.13	11.70	0.05	8.01	67.3	44	0.68	332
G0792588		2.20	<0.005	0.07	8.16	3.8	300	0.59	0.06	8.99	0.04	16.45	31.3	21	1.40	170.5
G0792589		1.12	0.024	0.46	0.29	10.6	20	0.10	0.07	1.74	0.28	0.16	84.0	<1	0.13	702
G0792590		3.86	0.005	0.04	0.87	5	10	0.24	0.01	19.75	0.02	1.31	38.8	1	<0.05	14.9
G0792596		0.98	0.039	0.43	0.27	12.9	20	0.13	0.08	1.79	0.34	0.14	94.0	<1	0.14	730
G0792625		2.56	<0.005	0.07	7.15	6	140	1.01	0.17	15.30	0.13	20.2	17.9	4	0.63	77.5
G0792626		4.84	<0.005	0.03	7.68	<5	50	1.36	0.20	13.00	0.08	48.7	17.0	3	0.17	9.6
G0792627		4.60	<0.005	0.05	5.93	1.3	410	1.67	0.03	2.82	0.03	36.7	9.3	6	0.18	72.9
G0792628		3.14	<0.005	0.07	7.47	2.2	610	1.72	0.03	2.95	0.09	52.6	11.7	5	0.45	17.1
G0792629		2.72	<0.005	0.14	7.56	18	180	0.77	0.28	10.90	0.06	26.2	58.3	3	1.22	459
G0792630		4.58	0.005	0.34	0.55	3.1	130	0.06	0.19	1.85	0.11	0.50	76.5	<1	0.38	598
G0792631		8.84	0.007	0.23	0.20	2.4	10	0.06	0.08	3.72	0.03	0.15	34.9	<1	0.18	240
G0792637		2.44	0.010	0.31	0.51	5.4	10	<0.05	0.24	1.23	0.08	0.42	156.5	<1	0.58	736
G0792638		3.84	<0.005	0.07	0.15	<5	30	<0.05	0.01	33.3	0.03	0.61	3.5	<1	<0.05	18.2
G0792639		2.86	<0.005	0.06	1.52	<5	110	0.08	0.02	30.8	0.02	3.70	7.3	4	0.09	17.7
G0792640		5.24	0.019	0.50	0.48	3.9	10	0.09	0.21	2.18	0.07	0.45	83.9	<1	0.15	1250
G0792641		5.30	0.047	0.52	0.44	2.1	20	0.09	0.44	2.26	0.08	8.27	182.5	<1	0.15	1410
G0792642		2.64	<0.005	0.18	7.67	23	160	1.07	0.31	10.55	0.08	32.6	54.5	<1	0.87	581

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4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 5-JUL-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11109635

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10
G0792564		7.41	7.28	0.12	1.4	0.744	0.02	17.2	2.4	5.76	5700	0.27	0.15	4.3	1.8	710
G0792565		8.39	7.13	0.17	0.7	0.804	0.12	2.9	2.3	4.76	5410	0.15	0.34	3.8	5.1	180
G0792566		10.10	15.80	0.22	2.6	1.155	0.04	14.5	0.9	0.97	7400	0.21	0.31	8.2	2.9	490
G0792567		7.62	19.95	0.22	1.9	0.105	1.33	19.2	4.3	2.18	1500	1.84	2.80	8.2	8.8	2870
G0792568		33.6	6.96	0.44	0.2	0.168	0.03	<0.5	0.9	4.39	1580	0.13	0.06	0.7	4.8	60
G0792569		8.24	14.80	0.20	1.2	0.317	0.69	12.2	4.1	2.88	2920	0.31	0.98	2.8	20.8	1120
G0792570		6.45	19.15	0.19	1.1	0.077	1.03	9.2	4.8	2.18	1320	1.15	2.82	4.7	16.4	1710
G0792571		7.99	18.50	0.20	0.9	0.188	1.16	8.9	6.2	2.83	1310	0.78	2.48	4.2	14.4	1510
G0792573		6.28	18.65	0.17	0.9	0.076	1.12	7.5	4.6	2.06	1240	0.87	2.85	4.4	15.1	1600
G0792574		>50	9.99	1.20	0.1	0.052	0.04	0.6	1.3	1.97	1480	0.22	0.04	1.0	3.1	120
G0792575		12.45	15.85	0.26	0.7	0.070	1.13	8.3	7.4	2.72	1230	0.50	1.97	3.4	9.5	1250
G0792576		>50	5.23	1.05	<0.1	0.037	0.03	<0.5	0.5	1.65	1040	0.18	0.03	0.9	2.2	40
G0792577		>50	6.16	1.10	0.2	0.127	0.12	0.8	2.6	2.60	1290	0.19	0.04	1.1	4.1	180
G0792578		>50	4.67	1.00	0.1	0.081	0.05	<0.5	0.7	1.67	1200	0.11	0.04	1.0	1.9	40
G0792579		>50	4.33	1.06	<0.1	0.058	0.01	<0.5	0.4	1.27	1170	0.16	0.01	1.1	1.4	20
G0792580		7.25	18.45	0.17	1.0	0.075	1.07	7.5	6.4	2.82	1400	1.13	2.63	4.6	15.3	1660
G0792581		9.70	18.40	0.20	1.0	0.076	1.01	10.8	7.2	3.19	1700	1.00	1.96	4.4	13.9	1630
G0792582		>50	5.27	1.05	<0.1	0.041	0.03	<0.5	0.3	1.68	929	0.21	0.05	0.9	2.2	10
G0792583		19.50	13.90	0.33	0.9	0.064	0.06	9.3	10.9	5.55	1880	2.48	0.14	4.1	10.9	1380
G0792584		>50	7.39	0.95	0.3	0.040	0.03	1.1	1.0	1.58	1060	0.23	0.04	1.4	3.0	220
G0792585		>50	4.79	0.95	0.1	0.037	0.02	<0.5	0.7	2.04	1030	0.11	0.02	0.8	5.4	80
G0792586		9.33	2.51	0.18	0.4	0.068	0.13	1.2	3.8	9.08	1170	0.20	0.03	1.4	16.7	840
G0792587		11.30	6.25	0.19	0.7	0.111	0.36	3.3	5.6	6.88	1380	0.23	0.10	1.7	25.1	360
G0792588		7.84	12.10	0.16	1.0	0.067	1.69	6.4	4.9	4.50	1340	0.85	1.16	2.8	10.2	1060
G0792589		>50	6.76	1.06	0.1	0.020	0.03	<0.5	0.3	1.68	824	0.16	0.03	1.0	9.0	60
G0792590		15.10	4.78	0.17	0.1	0.061	0.03	0.5	0.7	2.06	2770	1.04	0.04	0.4	1.6	100
G0792596		>50	6.52	1.01	<0.1	0.020	0.03	<0.5	0.2	1.37	813	0.16	0.03	0.8	9.5	50
G0792625		11.20	16.65	0.20	1.6	0.297	0.61	8.4	4.4	0.70	4890	0.26	1.01	9.8	4.6	400
G0792626		9.37	23.5	0.21	1.4	2.07	0.08	22.1	2.4	1.23	2580	0.20	0.13	7.5	2.8	490
G0792627		2.99	15.45	0.13	0.9	0.031	0.84	14.6	3.0	0.48	418	1.68	3.34	9.9	2.1	580
G0792628		5.21	18.95	0.18	1.1	0.081	1.79	22.6	1.7	1.08	1360	1.93	3.73	8.2	1.3	1830
G0792629		9.06	14.60	0.21	2.2	0.234	0.70	10.6	9.1	5.49	1770	1.50	0.13	5.2	3.6	1200
G0792630		>50	6.94	0.97	0.1	0.035	0.05	<0.5	0.7	1.79	966	0.30	0.02	1.0	2.0	70
G0792631		>50	6.26	1.07	<0.1	0.034	0.03	<0.5	0.4	1.96	924	0.11	0.01	0.8	0.9	50
G0792637		>50	5.40	0.98	0.1	0.033	0.06	<0.5	0.7	1.27	844	0.26	0.01	0.9	2.9	20
G0792638		0.93	0.39	<0.05	<0.1	<0.005	<0.01	<0.5	0.6	1.78	228	0.47	0.01	0.3	1.9	20
G0792639		1.67	2.22	0.06	0.3	0.019	0.12	1.6	1.4	0.87	365	0.24	0.25	0.7	3.2	200
G0792640		>50	8.99	1.01	0.1	0.027	0.02	<0.5	0.6	0.72	940	0.12	0.03	0.9	35.8	30
G0792641		>50	11.60	0.97	0.1	0.049	0.01	5.9	0.7	1.08	1140	0.13	0.03	0.9	170.0	80
G0792642		8.92	14.90	0.17	2.1	0.229	0.68	14.0	8.4	6.06	1780	1.22	0.21	5.0	6.2	1250

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

2103 Dollarton Hwy
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ALS Minerals

To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 5-JUL-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11109635

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
G0792564		1.6	0.7	<0.002	0.02	0.56	10.1	1	4.6	253	0.22	<0.05	2.1	0.248	<0.02	4.0
G0792565		2.1	6.0	<0.002	0.05	0.64	4.4	1	3.8	304	0.12	<0.05	0.6	0.147	0.02	1.3
G0792566		2.2	1.9	<0.002	0.08	0.92	6.9	2	5.6	512	0.46	<0.05	2.5	0.254	<0.02	4.3
G0792567		2.7	37.4	0.002	0.19	0.42	32.2	2	1.6	552	0.40	<0.05	3.1	0.895	0.15	1.1
G0792568		0.8	0.7	<0.002	0.08	0.32	1.9	1	1.2	61.2	<0.05	<0.05	<0.2	0.064	<0.02	0.3
G0792569		3.2	27.2	<0.002	1.24	0.82	24.2	2	16.0	733	0.13	0.08	1.1	0.454	0.10	3.7
G0792570		1.6	26.1	0.002	0.08	0.33	27.0	2	0.9	648	0.24	<0.05	1.2	0.667	0.14	0.4
G0792571		1.6	36.7	<0.002	0.25	0.28	24.5	2	1.2	496	0.22	<0.05	1.1	0.606	0.16	0.5
G0792573		1.7	23.9	<0.002	0.13	0.31	23.9	2	1.1	546	0.23	<0.05	1.0	0.625	0.12	0.5
G0792574		1.0	2.6	0.003	1.82	0.62	1.4	1	2.1	15.9	<0.05	0.15	<0.2	0.047	0.08	0.6
G0792575		1.4	42.0	<0.002	0.42	0.49	21.9	1	2.1	544	0.17	<0.05	1.0	0.512	0.12	0.5
G0792576		0.8	2.0	0.005	2.85	0.47	0.5	1	3.9	10.2	<0.05	0.21	<0.2	0.015	0.09	0.2
G0792577		0.5	12.9	0.003	0.97	0.66	2.0	1	3.2	45.3	<0.05	0.08	<0.2	0.085	0.09	0.5
G0792578		0.9	5.8	0.004	2.35	0.72	0.6	1	3.6	15.7	<0.05	0.19	<0.2	0.016	0.09	0.2
G0792579		1.2	0.9	0.005	2.44	0.60	0.3	1	4.3	9.0	<0.05	0.15	<0.2	0.005	0.04	0.2
G0792580		1.9	25.4	0.002	0.12	0.34	24.0	2	1.0	547	0.23	<0.05	1.0	0.644	0.11	0.4
G0792581		1.8	38.0	<0.002	0.40	0.55	26.3	2	1.3	795	0.22	0.05	1.3	0.627	0.12	0.5
G0792582		1.3	2.5	0.004	1.45	0.41	0.4	1	4.7	20.6	<0.05	0.09	<0.2	0.011	0.04	0.2
G0792583		<0.5	2.6	0.006	0.17	0.22	10.4	1	1.6	104.0	0.21	<0.05	0.8	0.546	<0.02	0.6
G0792584		1.3	2.0	0.003	1.93	0.39	2.8	1	3.6	49.2	<0.05	0.14	0.2	0.100	0.04	0.5
G0792585		1.0	1.8	0.004	2.79	0.38	0.4	1	5.2	11.4	<0.05	0.16	<0.2	0.012	0.09	0.2
G0792586		1.1	13.6	0.002	1.47	0.29	6.6	2	0.6	39.6	0.07	0.08	0.4	0.197	0.07	0.8
G0792587		1.2	26.0	0.002	1.55	0.58	19.4	2	1.0	284	0.10	0.07	0.4	0.315	0.10	0.9
G0792588		1.2	68.5	0.004	0.40	0.47	24.0	1	0.8	628	0.14	<0.05	0.8	0.534	0.25	0.4
G0792589		1.1	1.1	0.002	1.78	0.60	0.4	1	0.2	29.5	<0.05	0.05	<0.2	0.011	0.04	0.1
G0792590		0.5	1.7	<0.002	0.07	0.14	1.4	1	0.3	164.0	<0.05	<0.05	<0.2	0.039	<0.02	1.5
G0792596		1.0	1.2	<0.002	2.02	0.59	0.3	1	0.2	32.9	<0.05	0.05	<0.2	0.007	0.05	0.1
G0792625		3.7	14.8	<0.002	0.34	1.11	7.4	2	3.8	606	0.54	<0.05	3.0	0.314	0.06	0.6
G0792626		4.5	3.5	<0.002	0.10	0.87	6.7	2	4.6	1040	0.52	<0.05	4.9	0.268	0.02	5.7
G0792627		3.0	15.1	<0.002	0.27	0.44	9.0	2	1.4	322	0.62	0.08	3.4	0.336	0.11	1.6
G0792628		3.9	44.1	0.002	0.19	0.21	15.9	2	1.7	436	0.52	<0.05	3.4	0.618	0.17	1.7
G0792629		2.0	48.6	0.008	2.23	1.19	17.8	3	4.0	898	0.29	0.11	3.4	0.435	0.28	6.2
G0792630		1.0	5.2	0.004	2.06	0.73	0.8	1	2.3	27.4	<0.05	0.12	<0.2	0.027	0.13	0.2
G0792631		0.5	3.4	<0.002	0.61	0.70	0.3	1	1.4	23.2	<0.05	0.05	<0.2	0.005	0.02	0.1
G0792637		3.0	7.3	0.010	3.91	0.48	0.6	1	2.9	45.7	<0.05	0.28	<0.2	0.019	0.09	1.2
G0792638		1.2	0.3	0.005	1.82	0.11	0.4	1	<0.2	4860	<0.05	<0.05	<0.2	0.005	<0.02	2.1
G0792639		0.6	5.1	<0.002	0.21	0.17	3.7	2	<0.2	885	<0.05	<0.05	0.2	0.083	0.02	1.5
G0792640		1.1	0.7	0.002	1.94	0.27	0.8	1	0.2	32.2	<0.05	0.14	<0.2	0.022	0.13	0.2
G0792641		1.3	0.4	0.004	4.95	0.30	0.9	3	0.3	57.6	<0.05	0.21	<0.2	0.028	0.27	0.3
G0792642		2.4	53.7	0.006	2.18	1.25	15.7	3	4.3	949	0.34	0.09	3.5	0.414	0.24	6.3

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ALS Canada Ltd.

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ALS Minerals

To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 5-JUL-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11109635

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Fe-OG62 Fe % 0.01
G0792564		49	0.6	24.2	85	39.0	
G0792565		40	0.5	17.5	82	19.0	
G0792566		48	1.6	41.6	35	68.8	
G0792567		278	1.0	36.0	104	42.9	
G0792568		56	0.3	1.5	112	5.9	34.1
G0792569		228	4.4	19.4	81	30.3	
G0792570		242	0.9	22.5	90	23.9	
G0792571		223	1.2	20.9	82	20.1	
G0792573		227	1.6	19.8	84	21.8	
G0792574		24	3.1	1.5	88	1.8	55.7
G0792575		190	2.3	18.4	48	15.1	
G0792576		11	1.0	0.6	57	1.2	60.5
G0792577		27	2.2	2.4	57	4.8	58.9
G0792578		7	1.4	0.6	57	1.4	64.4
G0792579		4	1.6	0.3	68	1.2	65.4
G0792580		235	1.5	20.4	86	23.3	
G0792581		221	1.6	22.9	85	23.1	
G0792582		8	0.9	0.7	74	1.1	57.4
G0792583		193	1.8	18.3	74	18.2	
G0792584		40	1.2	3.1	64	6.8	57.2
G0792585		16	0.7	0.3	77	1.2	58.8
G0792586		64	0.8	5.5	45	12.7	
G0792587		109	1.0	6.8	58	22.2	
G0792588		211	0.9	16.6	63	22.2	
G0792589		6	1.1	0.5	88	1.3	58.3
G0792590		16	6.8	1.5	39	3.0	
G0792596		8	1.0	0.4	94	1.0	58.5
G0792625		84	1.4	39.5	36	32.5	
G0792626		48	2.7	25.7	47	28.7	
G0792627		42	1.4	31.8	23	13.9	
G0792628		82	1.0	40.1	78	25.0	
G0792629		179	2.6	24.5	102	64.8	
G0792630		13	0.7	0.7	74	2.7	58.9
G0792631		5	1.6	0.5	42	0.9	55.7
G0792637		14	0.7	0.5	70	2.6	59.8
G0792638		3	0.2	0.6	9	1.4	
G0792639		31	0.5	3.6	10	8.4	
G0792640		34	0.6	0.8	68	2.2	60.5
G0792641		165	0.6	1.2	74	2.2	57.6
G0792642		183	2.4	28.0	75	67.2	

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 5-JUL-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11109635

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
G0792643		4.52	0.010	0.24	7.24	1.5	70	0.27	0.21	9.59	0.05	21.8	88.5	211	0.41	822
G0792644		2.58	0.025	0.27	7.40	2.3	40	0.27	0.26	4.90	0.06	9.62	122.5	93	0.43	971
G0792645		2.56	<0.005	0.07	8.28	<0.2	60	0.54	0.10	7.62	0.03	15.50	36.6	164	0.90	138.0
G0792646		5.36	<0.005	0.03	8.93	<5	70	0.42	0.05	11.80	0.04	17.35	16.0	85	0.91	45.4

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4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 5-JUL-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11109635

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10
G0792643		9.57	10.75	0.20	1.2	0.115	0.34	13.6	6.3	5.88	1360	0.61	0.43	1.9	274	320
G0792644		10.75	14.00	0.22	0.5	0.051	0.24	3.8	7.0	3.83	1030	1.05	2.56	1.5	241	580
G0792645		6.61	16.95	0.15	0.8	0.061	0.34	6.2	5.0	4.04	1020	0.69	2.32	3.1	99.7	860
G0792646		3.43	13.80	0.12	1.1	0.082	0.40	6.9	6.7	4.45	1410	0.33	0.92	3.4	63.4	1010

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Finalized Date: 5-JUL-2011
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Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11109635

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
G0792643		0.7	13.4	0.003	2.19	0.51	40.5	3	0.8	441	0.11	0.09	0.8	0.365	0.12	0.6
G0792644		1.0	4.4	0.003	5.27	0.23	39.5	5	0.5	416	0.09	0.64	0.4	0.533	0.07	0.1
G0792645		0.7	13.1	<0.002	0.73	0.26	35.8	2	0.9	334	0.19	0.05	0.9	0.546	0.06	0.3
G0792646		0.9	15.7	<0.002	0.08	0.53	35.1	2	0.8	730	0.19	<0.05	0.8	0.616	0.08	0.8

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 5-JUL-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11109635

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Fe-OG62 Fe % 0.01
G0792643		165	1.0	20.9	50	27.7	
G0792644		240	1.1	24.3	39	9.0	
G0792645		230	1.1	26.0	44	21.0	
G0792646		240	0.7	23.6	37	28.6	

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 5-JUL-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11109635

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 18-JUL-2011
Account: PJV

CERTIFICATE VA11117880

Project: Pearson-Bugaboo
P.O. No.:
This report is for 51 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 24-JUN-2011.

The following have access to data associated with this certificate:

PERRY HEATHERINGTON	ACCOUNTS PAYABLE	KLAUS TRIEBEL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Fe-OG62	Ore Grade Fe - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: PACIFIC IRON ORE CORPORATION
ATTN: KLAUS TRIEBEL
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 18-JUL-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11117880

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
G0792510		4.12	0.008	<0.01	7.15	0.6	1400	1.61	0.04	2.18	0.07	43.9	2.8	8	0.37	1.6
G0792514		1.56	<0.005	0.01	6.86	1.4	370	3.08	0.06	1.47	0.05	53.1	2.9	9	0.90	6.7
G0792520		3.64	<0.005	0.04	3.49	7	100	1.08	0.13	14.75	0.04	10.25	19.2	3	0.11	7.4
G0792521		1.26	<0.005	0.06	5.43	<5	60	0.91	0.08	10.20	0.07	3.57	26.6	<1	0.11	9.8
G0792522		6.26	<0.005	0.17	0.57	<0.2	10	0.22	0.24	6.70	0.11	0.56	19.1	<1	0.14	12.6
G0792523		4.78	<0.005	0.15	0.50	<0.2	10	0.13	0.15	4.19	0.05	0.30	17.7	<1	0.15	18.0
G0792524		3.94	<0.005	0.09	1.09	<5	10	0.38	0.09	11.35	0.11	2.83	17.7	8	0.16	19.9
G0792525		3.52	<0.005	0.12	2.09	<0.2	180	0.33	0.12	8.79	0.11	3.74	27.5	30	0.27	71.4
G0792526		4.80	<0.005	0.13	1.08	0.3	10	0.32	0.05	8.03	0.12	1.56	32.7	11	0.14	61.9
G0792527		3.02	0.007	0.76	0.41	0.6	<10	0.32	0.10	6.79	0.28	0.76	43.3	<1	<0.05	1070
G0792528		3.88	0.023	1.36	0.32	<5	10	0.45	0.15	10.20	0.43	0.60	49.4	<1	<0.05	2340
G0792529		4.96	0.013	0.92	0.15	6.5	<10	0.10	0.08	3.15	0.30	0.11	66.4	<1	<0.05	1270
G0792530		2.14	0.023	0.62	0.17	2.4	<10	0.17	0.17	5.21	0.22	0.13	89.8	<1	<0.05	948
G0792531		6.56	<0.005	0.19	7.31	3.3	280	0.52	0.14	9.79	0.09	16.15	55.4	62	0.83	209
G0792532		3.60	<0.005	0.04	6.94	1.3	630	1.19	0.05	4.68	0.05	30.6	6.2	16	0.17	25.2
G0792533		1.42	<0.005	0.03	0.37	5	50	0.06	0.05	33.4	0.05	1.13	10.4	<1	0.19	39.5
G0792534		2.10	0.059	0.60	1.14	27.2	10	0.22	1.36	5.73	0.09	1.01	298	<1	0.23	1440
G0792535		6.64	<0.005	0.36	0.38	3.9	10	0.10	0.26	1.07	0.10	0.27	82.5	<1	0.09	529
G0792536		5.72	0.008	0.35	0.54	5.9	10	0.20	0.18	1.52	0.09	0.16	106.5	<1	0.13	459
G0792537		2.78	<0.005	0.13	8.62	7.5	380	0.35	0.22	9.18	0.07	14.40	87.8	137	0.82	216
G0792538		1.86	0.014	0.48	0.33	2.4	10	0.32	0.35	5.94	0.11	0.11	150.5	<1	0.09	1110
G0792539		3.16	<0.005	0.01	0.10	<5	30	<0.05	0.01	36.2	<0.02	0.26	2.6	<1	0.05	11.6
G0792541		1.06	<0.005	0.05	8.07	4.9	130	0.34	0.05	8.53	0.04	9.33	26.9	33	2.00	65.0
G0792542		4.72	0.015	0.76	6.03	11	130	1.09	0.19	11.15	0.78	17.05	76.0	7	0.57	1150
G0792543		2.76	0.022	0.35	7.63	11	20	0.64	0.32	14.10	0.25	50.7	31.0	<1	0.06	590
G0792544		3.40	0.006	0.33	4.39	10.0	170	0.29	0.23	5.62	0.13	16.20	96.4	7	1.59	851
G0792545		2.80	<0.005	0.04	8.55	13	390	0.65	0.08	11.65	0.04	25.1	32.7	27	2.20	77.0
G0792546		4.04	<0.005	0.07	6.34	12.0	120	0.43	0.16	8.93	0.07	14.95	52.2	40	0.84	243
G0792547		6.04	<0.005	0.13	0.32	2.6	10	<0.05	0.19	1.40	0.06	0.18	104.5	2	0.20	619
G0792548		8.68	<0.005	0.23	0.20	1.6	10	<0.05	0.15	1.37	0.04	0.11	78.4	<1	0.17	385
G0792549		3.22	0.009	0.97	0.39	0.8	10	0.14	0.09	7.31	0.27	0.98	36.4	<1	<0.05	1550
G0792550		9.00	0.014	0.26	0.21	10.7	10	<0.05	0.07	1.50	0.08	0.05	65.6	<1	0.12	365
G0792551		2.08	<0.005	0.27	0.33	10.4	10	<0.05	0.09	1.71	0.10	0.04	62.8	<1	0.09	443
G0792552		2.26	<0.005	0.07	6.63	<5	30	0.21	0.18	12.25	0.03	12.10	22.5	24	0.30	68.6
G0792553		4.76	<0.005	0.01	9.02	2.8	440	1.04	0.05	6.06	0.06	28.6	18.7	2	1.26	61.2
G0792554		4.00	<0.005	<0.01	0.07	<5	20	<0.05	0.01	35.3	<0.02	0.28	1.4	2	<0.05	3.1
G0792555		6.28	0.008	0.42	0.19	5.0	10	0.10	0.26	1.09	0.06	0.05	138.0	<1	0.21	700
G0792556		3.06	<0.005	0.01	4.95	<5	120	0.27	0.04	21.1	0.04	9.35	19.3	50	0.09	12.3
G0792557		2.86	<0.005	0.08	0.06	<5	10	<0.05	0.01	32.9	0.02	0.32	1.0	2	0.07	2.3
G0792558		8.74	<0.005	0.56	0.19	11.5	10	0.11	0.13	1.14	0.23	0.20	94.3	<1	0.18	513

***** See Appendix Page for comments regarding this certificate *****

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 18-JUL-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11117880

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10
G0792510		1.99	17.35	0.19	2.3	0.042	2.17	18.3	2.7	0.54	455	0.39	3.66	9.3	4.2	720
G0792514		1.44	17.15	0.15	2.2	0.031	2.98	24.5	1.7	0.45	481	2.07	3.15	13.2	2.7	350
G0792520		6.88	7.28	0.17	1.5	0.829	0.48	4.0	4.5	7.68	3210	0.34	0.41	2.8	2.4	2220
G0792521		9.72	8.68	0.14	1.7	1.220	0.76	1.1	7.0	7.62	2760	0.23	0.74	3.6	4.0	290
G0792522		43.6	7.53	0.80	0.1	0.105	0.04	<0.5	1.9	4.14	1580	0.30	0.04	0.7	6.2	<10
G0792523		>50	6.76	0.79	0.1	0.051	0.04	<0.5	1.4	2.87	1440	0.19	0.04	0.5	4.5	20
G0792524		22.1	5.62	0.27	0.2	0.153	0.07	1.5	2.3	6.62	2150	0.52	0.09	0.8	12.6	120
G0792525		31.2	7.83	0.56	0.3	0.121	0.35	1.7	2.7	4.22	2260	0.22	0.31	1.0	24.4	230
G0792526		36.4	6.58	0.56	0.1	0.111	0.02	0.6	4.4	4.62	1760	0.56	0.05	1.1	12.7	200
G0792527		42.6	4.70	0.74	0.1	0.084	0.01	0.5	1.9	3.60	1780	0.14	0.04	1.2	6.2	40
G0792528		31.2	3.64	0.43	0.1	0.119	0.01	<0.5	2.8	4.82	2280	0.14	0.07	0.6	6.5	10
G0792529		>50	4.89	1.01	<0.1	0.047	0.01	<0.5	1.3	1.54	1320	0.22	0.02	0.9	6.3	10
G0792530		47.3	4.32	0.94	<0.1	0.037	0.01	<0.5	1.0	2.78	1240	0.34	0.02	0.8	7.1	10
G0792531		12.80	14.25	0.30	0.9	0.110	0.65	7.1	7.8	4.66	1670	0.40	0.43	2.8	34.1	970
G0792532		2.60	12.75	0.09	1.9	0.035	1.09	11.5	1.8	1.05	658	0.55	3.81	6.5	13.1	680
G0792533		1.67	1.19	0.05	0.1	0.032	0.06	0.5	1.0	0.84	1260	0.17	0.05	0.3	4.6	70
G0792534		44.7	8.92	0.96	<0.1	0.313	0.04	0.5	1.2	1.57	2490	1.07	0.04	0.9	61.7	30
G0792535		>50	5.54	1.10	<0.1	0.050	0.02	<0.5	0.7	1.18	1030	0.85	0.02	1.1	5.9	50
G0792536		>50	6.90	1.11	0.1	0.034	0.03	<0.5	0.9	1.39	1100	0.73	0.02	1.2	5.8	30
G0792537		10.15	14.75	0.22	0.7	0.147	0.91	6.2	4.6	3.91	1430	0.77	0.94	2.0	33.8	800
G0792538		43.9	4.30	0.97	<0.1	0.034	0.03	<0.5	0.9	3.16	806	0.35	0.03	0.9	17.4	30
G0792539		0.38	0.23	<0.05	<0.1	<0.005	0.02	<0.5	0.3	0.47	570	0.11	0.01	0.2	0.9	30
G0792541		4.16	12.15	0.09	0.9	0.049	1.13	3.5	7.2	5.60	427	3.89	0.56	1.4	16.2	890
G0792542		9.96	13.10	0.15	0.6	0.590	0.37	7.5	6.2	3.91	3380	0.58	0.81	2.7	18.9	670
G0792543		9.96	20.8	0.19	1.1	1.685	0.08	22.3	5.4	1.43	2620	0.29	0.05	9.4	5.4	900
G0792544		24.8	11.00	0.44	0.6	0.200	0.57	8.5	3.7	3.88	1500	0.84	0.86	2.3	16.1	990
G0792545		5.65	15.80	0.15	1.2	0.159	1.21	11.2	6.9	4.49	1840	2.23	0.52	4.2	7.4	1860
G0792546		12.30	12.25	0.19	0.8	0.215	0.67	6.3	12.0	6.34	1720	0.38	0.44	2.3	20.8	960
G0792547		>50	5.61	0.76	<0.1	0.052	0.03	<0.5	0.3	1.95	1640	0.14	0.02	0.7	8.8	30
G0792548		>50	4.61	0.99	<0.1	0.041	0.03	<0.5	<0.2	1.66	1510	0.15	0.01	0.9	4.7	10
G0792549		40.7	3.47	0.91	0.1	0.085	0.01	0.7	0.7	3.89	1900	0.11	0.04	1.2	5.1	50
G0792550		>50	4.10	1.00	<0.1	0.053	0.02	<0.5	<0.2	1.86	1240	0.09	0.02	1.0	3.9	10
G0792551		>50	5.44	1.02	<0.1	0.044	0.01	<0.5	0.2	1.58	1060	0.11	0.02	1.0	8.1	<10
G0792552		10.95	10.80	0.20	0.9	0.202	0.14	6.0	3.2	5.08	2670	0.60	0.13	1.9	10.3	880
G0792553		4.77	18.20	0.16	1.1	0.070	1.25	11.9	4.3	1.45	1080	1.95	2.55	6.4	3.1	1790
G0792554		0.63	0.24	<0.05	<0.1	<0.005	0.01	<0.5	0.3	0.55	54	0.27	<0.01	0.3	1.8	40
G0792555		>50	6.74	1.24	<0.1	0.022	0.03	<0.5	0.5	1.40	907	0.22	<0.01	1.5	2.2	40
G0792556		4.12	9.87	0.05	0.5	0.048	0.15	4.1	2.1	2.67	826	0.82	0.62	1.4	32.4	490
G0792557		0.27	0.19	<0.05	<0.1	<0.005	0.01	<0.5	0.7	2.41	166	0.35	<0.01	0.3	2.3	80
G0792558		>50	6.11	1.30	<0.1	0.021	0.02	<0.5	0.6	0.88	777	0.24	<0.01	1.7	3.5	40

***** See Appendix Page for comments regarding this certificate *****

ALS Minerals

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 18-JUL-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11117880

Sample Description	Method Analyte Units LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
G0792510		3.2	44.7	<0.002	0.04	0.24	9.7	2	1.0	312	0.54	<0.05	3.6	0.379	0.19	1.4
G0792514		4.0	113.0	<0.002	0.15	0.19	6.4	2	2.1	139.5	1.31	<0.05	14.0	0.214	0.40	6.4
G0792520		1.8	8.1	<0.002	0.01	0.60	10.9	1	7.1	159.5	0.27	<0.05	6.8	0.287	0.03	1.7
G0792521		3.2	6.3	<0.002	<0.01	0.34	13.3	1	10.6	71.6	0.47	<0.05	2.7	0.316	0.03	0.5
G0792522		4.6	2.1	<0.002	0.01	0.41	0.6	1	0.9	13.8	<0.05	<0.05	0.2	0.040	<0.02	0.5
G0792523		2.8	2.3	<0.002	0.01	0.23	0.3	1	0.4	8.1	<0.05	<0.05	<0.2	0.028	<0.02	0.7
G0792524		6.8	2.1	<0.002	0.03	0.51	2.3	1	1.1	69.8	0.06	<0.05	0.3	0.071	0.02	0.5
G0792525		3.0	14.9	<0.002	0.05	0.73	6.0	1	1.2	119.0	0.05	0.07	0.7	0.140	0.05	0.5
G0792526		1.5	0.5	0.002	0.04	0.49	2.8	1	1.4	19.1	<0.05	0.06	0.3	0.076	<0.02	0.4
G0792527		1.3	0.2	<0.002	0.51	0.43	0.5	1	1.2	13.4	<0.05	0.08	<0.2	0.026	0.05	0.2
G0792528		1.3	0.4	<0.002	0.42	0.36	0.6	1	0.9	16.7	<0.05	0.09	<0.2	0.020	0.03	0.2
G0792529		1.2	0.2	0.002	0.20	0.25	0.2	1	1.1	6.7	<0.05	0.11	<0.2	0.005	<0.02	0.2
G0792530		1.8	0.2	0.003	1.49	0.48	0.4	1	1.9	8.9	<0.05	0.19	<0.2	0.009	0.07	0.2
G0792531		2.8	33.6	0.002	0.73	0.81	28.7	2	2.1	302	0.14	0.07	1.1	0.492	0.08	0.9
G0792532		6.3	26.3	<0.002	0.16	0.30	8.9	1	1.1	540	0.43	<0.05	3.1	0.398	0.09	1.0
G0792533		2.8	4.6	0.002	0.44	0.09	1.0	1	<0.2	1670	<0.05	<0.05	<0.2	0.017	0.02	2.6
G0792534		3.1	1.9	0.012	9.94	0.49	1.2	4	0.9	36.9	<0.05	0.69	<0.2	0.010	0.34	0.4
G0792535		1.0	0.5	0.003	1.05	0.35	0.8	1	2.3	11.3	<0.05	0.16	<0.2	0.015	0.05	0.2
G0792536		1.0	1.1	0.006	1.20	0.37	1.1	1	0.3	14.5	<0.05	0.22	<0.2	0.015	0.03	0.2
G0792537		2.3	38.1	0.006	1.59	0.85	36.8	1	0.7	785	0.10	0.16	0.8	0.512	0.09	1.1
G0792538		1.9	0.7	0.007	4.09	0.34	1.2	2	0.2	48.8	<0.05	0.18	<0.2	0.014	0.06	0.2
G0792539		0.5	1.0	<0.002	0.08	0.07	0.5	1	<0.2	4010	<0.05	<0.05	<0.2	0.006	<0.02	1.5
G0792541		1.5	30.2	<0.002	3.19	0.56	27.4	2	0.6	2000	0.08	<0.05	0.4	0.542	0.28	1.0
G0792542		3.8	16.7	<0.002	0.80	0.93	13.7	2	1.9	647	0.13	0.18	1.0	0.334	0.15	1.0
G0792543		2.8	5.0	<0.002	0.20	1.29	8.7	2	5.4	1350	0.52	<0.05	2.6	0.503	0.02	6.4
G0792544		1.4	31.1	0.005	2.47	0.57	7.9	2	2.9	210	0.10	0.18	1.1	0.276	0.22	0.7
G0792545		2.3	68.0	0.011	0.21	0.80	20.0	1	2.2	721	0.23	<0.05	2.4	0.485	0.18	2.0
G0792546		1.6	26.3	0.002	0.90	1.06	17.8	1	2.6	364	0.13	0.08	0.7	0.396	0.12	2.0
G0792547		1.4	2.3	0.004	2.58	0.73	1.2	1	3.2	8.5	<0.05	0.13	<0.2	0.022	0.15	0.2
G0792548		1.3	2.0	0.003	1.72	0.42	0.4	1	2.9	5.1	<0.05	0.11	<0.2	0.007	0.04	0.5
G0792549		0.8	0.2	<0.002	0.29	0.24	0.4	1	1.1	12.4	<0.05	<0.05	<0.2	0.023	0.03	0.2
G0792550		0.9	1.2	0.002	1.57	0.51	0.4	1	2.9	5.1	<0.05	0.09	<0.2	0.008	0.18	0.5
G0792551		1.4	0.4	<0.002	0.99	0.25	0.2	1	2.3	6.7	<0.05	0.07	<0.2	0.007	0.03	0.2
G0792552		2.4	6.6	0.003	0.48	0.53	14.8	1	3.7	628	0.11	0.12	0.6	0.407	0.06	1.3
G0792553		2.8	34.9	0.005	0.16	0.65	20.3	2	1.1	775	0.33	<0.05	2.0	0.605	0.18	0.7
G0792554		0.6	0.4	0.003	0.14	0.10	0.3	1	<0.2	3870	<0.05	<0.05	<0.2	<0.005	<0.02	2.5
G0792555		1.7	1.6	0.004	2.50	0.43	0.6	1	0.2	21.4	<0.05	0.13	<0.2	<0.005	0.04	0.2
G0792556		2.0	3.2	0.002	0.06	0.63	21.1	1	0.6	1670	0.07	<0.05	0.5	0.303	<0.02	1.4
G0792557		0.8	0.5	0.004	0.32	0.11	0.3	1	<0.2	4270	<0.05	<0.05	<0.2	<0.005	<0.02	2.6
G0792558		1.4	0.9	0.004	1.21	0.51	0.5	1	0.3	24.0	<0.05	0.15	<0.2	0.007	0.02	0.2

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CALGARY AB T2P 4H2

Finalized Date: 18-JUL-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11117880

Sample Description	Method / Analyte / Units / LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Fe-OG62 Fe % 0.01
G0792510		37	1.5	36.0	28	79.9	
G0792514		30	0.5	46.8	26	45.7	
G0792520		50	0.9	17.6	122	48.8	
G0792521		49	0.5	13.6	165	59.5	
G0792522		29	1.0	1.0	123	4.7	41.9
G0792523		25	0.6	0.6	135	2.2	49.6
G0792524		33	0.5	3.3	115	7.1	22.9
G0792525		69	1.4	4.0	153	7.3	30.2
G0792526		40	1.6	2.9	168	4.1	35.1
G0792527		22	0.6	1.5	188	1.6	41.5
G0792528		21	0.6	1.4	181	1.4	29.9
G0792529		10	0.6	0.2	168	1.0	55.2
G0792530		10	0.4	0.3	104	1.4	47.7
G0792531		194	2.9	15.2	86	22.9	
G0792532		45	1.0	26.2	42	68.4	
G0792533		5	0.1	1.1	13	2.1	
G0792534		32	12.8	2.2	163	1.4	43.8
G0792535		12	0.9	0.6	105	1.1	60.0
G0792536		19	1.0	0.4	107	1.2	59.9
G0792537		219	1.4	13.2	68	17.5	
G0792538		30	0.5	0.3	58	1.3	53.4
G0792539		1	<0.1	0.3	3	0.5	
G0792541		252	0.2	11.9	33	27.3	
G0792542		145	1.0	14.0	131	15.5	
G0792543		60	1.1	33.3	87	25.6	
G0792544		114	0.7	10.4	115	16.4	28.2
G0792545		151	2.0	17.9	81	37.6	
G0792546		192	1.8	11.4	94	26.8	
G0792547		25	0.8	0.4	136	1.2	64.9
G0792548		11	0.8	0.4	95	0.9	64.3
G0792549		24	0.6	1.9	186	2.4	41.6
G0792550		12	0.5	0.3	85	0.9	63.3
G0792551		22	0.5	0.3	74	0.6	63.2
G0792552		217	1.2	15.0	66	27.4	
G0792553		162	2.1	23.4	66	37.7	
G0792554		<1	0.1	0.3	3	1.0	
G0792555		5	0.9	0.5	58	1.5	65.6
G0792556		145	0.7	9.2	42	17.6	
G0792557		<1	0.1	0.3	6	0.6	
G0792558		6	1.5	0.5	79	1.1	65.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 18-JUL-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11117880

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
G0792559		8.06	0.006	0.45	0.91	10.2	10	0.11	0.17	1.25	0.12	0.68	80.4	13	0.45	390
G0792560		2.50	0.007	0.36	0.94	4.9	10	0.09	0.24	1.49	0.07	0.48	103.5	4	0.48	277
G0792561		1.04	0.008	0.17	6.01	14.8	150	0.36	0.15	6.10	0.06	9.67	85.2	60	4.02	580
G0792562		2.90	<0.005	0.28	0.82	3.9	10	0.09	0.15	1.76	0.04	0.11	85.0	<1	0.78	262
G0792563		3.34	<0.005	0.05	2.12	<5	170	0.20	0.04	26.5	0.07	5.97	5.2	3	0.57	34.5
G0792572		2.32	0.008	0.30	0.78	3.8	10	0.09	0.19	2.39	0.05	0.13	101.5	<1	0.67	440
G0792632		8.46	<0.005	0.30	0.24	3.0	10	0.05	0.16	1.77	0.05	0.03	63.8	<1	0.20	277
G0792633		8.02	0.006	0.37	0.28	4.7	10	<0.05	0.24	1.66	0.06	0.02	115.5	<1	0.34	381
G0792634		8.36	0.006	0.32	0.36	4.5	70	0.05	0.20	0.60	0.04	0.11	126.0	<1	0.50	357
G0792635		7.94	0.015	0.36	0.20	3.4	10	0.05	0.28	0.52	0.03	0.09	157.0	<1	0.20	649
G0792636		7.82	0.007	0.37	0.77	5.8	20	0.10	0.29	1.62	0.05	1.61	138.0	<1	0.46	692

***** See Appendix Page for comments regarding this certificate *****

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 18-JUL-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11117880

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10
G0792559		>50	7.04	1.24	<0.1	0.020	0.07	<0.5	1.7	1.40	997	0.42	0.02	1.8	9.1	60
G0792560		>50	6.59	1.17	<0.1	0.023	0.05	<0.5	2.0	2.55	846	0.22	<0.01	1.6	5.4	20
G0792561		12.90	10.80	0.24	0.5	0.062	1.49	3.8	12.2	6.30	1480	0.51	0.05	2.2	25.7	690
G0792562		>50	6.09	1.13	<0.1	0.022	0.10	<0.5	1.5	3.19	856	0.12	<0.01	1.5	5.6	20
G0792563		1.78	4.20	<0.05	0.1	0.015	0.73	2.7	2.6	2.45	369	0.51	0.28	1.1	3.0	320
G0792572		48.5	5.82	1.08	<0.1	0.027	0.09	<0.5	1.3	3.74	860	0.14	<0.01	1.4	6.2	30
G0792632		>50	6.79	1.29	<0.1	0.025	0.02	<0.5	1.2	1.52	810	0.07	<0.01	1.7	1.3	10
G0792633		>50	6.60	1.30	<0.1	0.029	0.04	<0.5	1.0	1.74	881	0.10	<0.01	1.8	1.6	20
G0792634		>50	5.96	1.28	<0.1	0.036	0.06	<0.5	1.3	1.44	994	0.19	<0.01	1.9	1.3	40
G0792635		>50	5.39	1.32	<0.1	0.052	0.02	<0.5	0.8	1.25	1180	0.14	<0.01	2.2	2.1	30
G0792636		>50	6.91	1.35	<0.1	0.046	0.07	0.7	1.4	1.50	1140	0.27	<0.01	2.5	2.4	100

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 18-JUL-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11117880

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
G0792559		3.4	4.6	0.004	1.22	0.42	3.5	1	0.4	48.9	<0.05	0.27	<0.2	0.050	0.04	0.2
G0792560		2.0	5.3	0.003	1.75	0.59	2.4	1	0.3	19.8	<0.05	0.22	<0.2	0.022	0.08	0.1
G0792561		1.9	116.5	0.005	1.62	0.82	18.4	2	0.8	440	0.11	0.08	0.5	0.397	0.49	1.0
G0792562		1.2	11.6	0.002	1.47	0.34	1.5	1	0.2	14.7	<0.05	0.10	<0.2	0.017	0.09	0.1
G0792563		2.5	44.3	0.002	0.21	0.18	5.1	1	0.2	3320	<0.05	<0.05	0.3	0.123	0.17	1.9
G0792572		1.4	10.0	0.003	1.94	0.37	1.6	1	0.2	17.8	<0.05	0.12	<0.2	0.016	0.11	0.1
G0792632		0.8	2.8	0.002	1.22	1.12	0.6	1	1.6	13.8	<0.05	0.08	<0.2	0.009	0.06	0.1
G0792633		1.2	5.5	0.003	2.37	1.63	0.5	1	2.2	10.8	<0.05	0.13	<0.2	0.006	0.13	0.1
G0792634		1.1	7.6	0.005	1.81	0.75	0.8	1	4.4	9.5	<0.05	0.14	<0.2	0.014	0.07	0.1
G0792635		0.9	2.1	0.007	3.19	0.50	0.8	1	3.3	10.7	<0.05	0.23	<0.2	0.013	0.09	0.5
G0792636		1.9	8.4	0.008	3.14	0.49	2.8	1	2.8	108.5	<0.05	0.20	<0.2	0.069	0.10	0.8

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ALS Minerals

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 18-JUL-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11117880

Sample Description / Method / Analyte / Units / LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Fe-OG62 Fe % 0.01
G0792559	26	2.0	1.4	83	3.2	62.5
G0792560	19	1.1	0.9	60	2.3	58.3
G0792561	188	1.1	10.9	56	18.2	
G0792562	11	1.2	0.7	53	2.3	55.1
G0792563	39	0.5	5.5	38	6.5	
G0792572	11	1.1	0.7	54	2.6	52.2
G0792632	8	1.2	0.4	46	0.8	62.8
G0792633	6	0.7	0.5	62	1.1	62.7
G0792634	9	1.0	0.5	76	1.1	66.5
G0792635	8	0.8	0.5	81	1.3	66.8
G0792636	26	0.8	1.9	67	6.5	62.7

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4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 18-JUL-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11117880

Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 28-JUL-2011
Account: PJV

CERTIFICATE VA11123100

Project: Pearson-Bugaboo
P.O. No.:
This report is for 118 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 30-JUN-2011.
The following have access to data associated with this certificate:

PERRY HEATHERINGTON	ACCOUNTS PAYABLE	KLAUS TRIEBEL

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
EXTRA-01	Extra Sample received in Shipment
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Fe-OG62	Ore Grade Fe - Four Acid	VARIABLE
Au-AA24	Au 50g FA AA finish	AAS
ME-MS61	48 element four acid ICP-MS	

To: PACIFIC IRON ORE CORPORATION
ATTN: ACCOUNTS PAYABLE
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Minerals

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 28-JUL-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11123100

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
G0792435		3.28	0.024	0.15	8.37	2.4	570	0.75	0.20	8.40	0.17	20.0	36.7	123	1.36	387
G0792436		5.86	0.007	0.04	3.08	<5	120	0.54	0.04	12.85	0.03	33.6	20.2	1	5.02	5.6
G0792437		2.58	<0.005	0.05	0.78	<5	10	0.31	0.05	13.75	0.05	0.90	23.0	4	0.24	10.0
G0792438		5.30	<0.005	0.22	4.90	8	40	0.47	0.12	14.90	0.05	13.65	23.9	3	0.33	36.6
G0792439		5.38	<0.005	0.06	4.48	<5	140	0.56	0.07	15.90	0.06	10.65	18.3	30	1.17	25.3
G0792440		5.02	<0.005	0.08	8.01	<5	240	0.53	0.05	14.65	0.09	11.60	13.8	69	2.18	3.5
G0792441		3.10	<0.005	0.05	3.84	<5	30	0.66	0.10	15.90	0.06	4.85	22.8	49	0.19	2.6
G0792442		5.58	<0.005	0.09	2.21	<5	10	0.33	0.12	10.95	0.07	3.64	48.2	25	0.07	98.4
G0792443		5.96	0.006	0.09	1.59	<5	10	0.43	0.21	11.15	0.10	1.53	43.2	8	0.08	113.0
G0792444		4.98	0.009	0.26	8.45	27	10	0.38	0.56	12.15	0.17	31.8	159.0	8	0.06	947
G0792445		2.42	0.008	0.09	5.12	9	40	0.58	0.24	12.70	0.08	19.45	52.1	35	0.18	191.5
G0792446		6.02	0.010	0.17	3.73	9	30	0.35	0.28	10.15	0.21	3.00	95.1	40	0.44	483
G0792448		4.00	<0.005	0.05	7.68	6.6	180	0.53	0.08	9.63	0.08	19.85	36.4	113	0.76	51.6
G0792449		5.78	0.009	0.06	8.00	2.3	190	0.61	0.08	9.65	0.03	20.0	28.1	168	0.59	48.6
G0792450		1.80	0.010	0.25	2.57	21.3	10	0.43	0.37	7.84	0.18	5.17	131.0	13	0.15	526
G0792451		1.36	<0.005	0.17	7.03	12	260	0.53	0.22	11.75	0.08	7.43	83.8	63	1.13	300
G0792452		2.40	0.013	0.46	2.68	10.6	30	0.35	0.62	8.33	0.04	1.15	196.5	19	0.14	1175
G0792453		7.30	0.011	0.25	0.51	4.2	10	0.24	0.18	4.86	0.03	0.22	86.1	3	0.11	422
G0792454		4.50	0.007	0.25	0.40	3.0	30	0.14	0.14	2.39	<0.02	0.23	91.6	<1	0.11	352
G0792455		2.00	0.018	0.46	2.85	11.2	10	0.35	0.41	6.80	0.08	11.25	154.5	<1	0.25	1335
G0792456		8.70	0.010	0.29	0.31	3.3	10	0.39	0.24	2.30	0.05	0.33	92.9	<1	0.14	698
G0792457		8.56	0.006	0.21	0.54	3.3	20	0.14	0.12	1.16	<0.02	0.14	68.3	<1	0.38	368
G0792458		3.72	0.008	0.22	0.35	6.7	90	<0.05	0.13	0.87	<0.02	0.47	128.5	1	0.18	360
G0792459		4.76	<0.005	0.22	0.62	2.9	20	0.07	0.17	0.99	<0.02	1.13	98.7	11	0.27	416
G0792460		3.92	<0.005	0.14	0.80	6	20	0.07	0.07	12.95	<0.02	1.92	53.7	14	0.17	340
G0792461		6.00	0.005	0.26	0.29	1.4	10	0.07	0.21	4.27	<0.02	0.29	133.5	1	0.18	564
G0792462		2.70	<0.005	0.20	0.29	0.6	20	0.06	0.12	3.41	<0.02	0.09	78.4	<1	0.46	368
G0792463		3.40	0.006	0.22	0.13	<0.2	10	<0.05	0.12	8.49	0.02	0.09	115.5	<1	0.27	655
G0792464		4.28	<0.005	0.17	0.10	<0.2	10	<0.05	0.07	9.99	<0.02	0.13	70.8	<1	0.09	301
G0792465		1.40	0.014	0.37	0.18	7.4	10	0.05	0.10	6.36	0.11	0.31	83.8	<1	0.24	909
G0792466		2.92	<0.005	0.21	0.25	2.4	20	0.13	0.16	2.28	0.02	0.08	84.5	<1	0.13	398
G0792467		4.80	<0.005	0.02	1.18	5	80	0.06	<0.01	28.3	<0.02	2.94	11.4	39	0.15	39.4
G0792468		2.80	<0.005	0.06	0.09	9	10	<0.05	<0.01	24.5	<0.02	0.28	29.8	2	<0.05	152.5
G0792469		1.72	0.005	0.06	0.09	6	40	<0.05	<0.01	25.7	<0.02	0.30	28.4	<1	<0.05	182.0
G0792470		8.18	<0.005	0.26	0.11	3.5	10	<0.05	0.08	3.44	<0.02	0.04	87.9	<1	0.05	424
G0792471		5.40	0.007	0.28	0.09	4.7	10	<0.05	0.13	9.02	<0.02	0.11	133.0	<1	<0.05	530
G0792472		4.20	<0.005	0.02	0.45	6	40	0.07	<0.01	33.0	<0.02	0.61	6.8	1	0.07	35.4
G0792473		3.12	<0.005	0.02	0.20	6	30	<0.05	<0.01	31.3	<0.02	0.52	11.7	2	<0.05	61.6
G0792474		2.48	0.006	0.20	0.08	10	10	<0.05	0.08	10.55	0.03	0.12	70.5	<1	0.05	493
G0792475		3.44	0.007	0.09	0.27	6	10	0.13	0.03	28.3	0.05	0.75	32.6	1	<0.05	229

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Finalized Date: 28-JUL-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11123100

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10
G0792435		9.41	17.25	0.19	1.2	0.321	1.11	8.4	7.8	3.16	3490	1.96	2.00	4.2	71.2	560
G0792436		4.72	4.39	0.12	2.2	0.237	1.06	21.6	11.8	10.30	1910	0.42	0.16	3.7	2.1	300
G0792437		13.90	4.33	0.15	0.7	0.221	0.04	<0.5	4.4	8.76	1740	0.40	0.06	0.6	2.7	130
G0792438		6.60	8.36	0.11	1.2	0.499	0.37	6.9	4.9	6.43	2350	0.49	0.17	4.8	5.5	800
G0792439		4.13	6.39	0.09	1.0	0.367	0.62	5.2	5.7	7.34	2070	0.30	0.12	3.5	9.4	650
G0792440		3.18	9.39	0.10	1.1	0.134	1.33	4.8	7.2	4.65	1940	0.90	0.14	3.5	17.0	790
G0792441		6.52	7.96	0.11	0.8	0.364	0.20	1.6	4.7	6.55	2730	0.30	0.15	3.6	10.1	530
G0792442		21.3	8.08	0.23	0.4	0.261	0.17	1.6	3.2	5.57	2500	0.25	0.23	1.0	18.6	290
G0792443		21.5	5.81	0.22	0.3	0.253	0.15	0.7	3.2	6.30	2300	0.26	0.20	0.7	8.7	180
G0792444		12.50	14.55	0.19	1.1	0.690	0.20	17.0	4.2	3.50	2150	5.25	0.16	3.2	65.9	1010
G0792445		13.10	9.45	0.17	0.7	0.377	0.27	10.2	5.2	5.10	2490	2.74	0.21	2.3	22.7	520
G0792446		19.35	7.39	0.21	0.6	0.318	0.31	1.0	5.0	5.84	1990	1.01	0.18	1.6	39.9	450
G0792448		10.45	18.05	0.17	0.9	0.126	0.78	8.9	6.1	4.46	1980	1.23	1.08	2.4	65.1	930
G0792449		5.85	13.65	0.16	0.9	0.150	0.56	9.5	3.8	3.83	2160	0.96	2.18	3.1	65.1	670
G0792450		36.7	9.40	0.50	0.4	0.265	0.05	3.4	4.9	3.36	2520	0.70	0.09	1.1	60.9	320
G0792451		10.70	11.85	0.26	0.9	0.147	0.98	2.6	5.2	3.92	2120	2.62	0.27	3.1	36.8	660
G0792452		25.5	7.30	0.59	0.4	0.529	0.20	<0.5	3.7	4.80	2120	0.37	0.17	1.6	84.3	290
G0792453		47.3	7.35	1.37	0.1	0.085	0.03	<0.5	1.0	3.28	1200	0.23	0.03	1.0	21.1	40
G0792454		>50	8.37	1.48	0.1	0.040	0.03	<0.5	0.7	2.27	1240	0.38	0.01	1.3	8.9	20
G0792455		33.8	9.40	0.76	0.7	0.076	0.04	5.9	4.4	4.20	1540	0.45	0.02	2.5	16.2	700
G0792456		>50	8.51	1.40	0.1	0.038	0.02	<0.5	0.7	2.37	1320	0.30	0.02	1.0	12.1	50
G0792457		>50	9.90	1.56	0.1	0.051	0.05	<0.5	1.3	2.55	1580	0.21	0.01	1.2	3.8	60
G0792458		>50	5.58	1.19	0.1	0.061	0.01	<0.5	2.2	3.38	1310	0.26	0.01	1.2	3.1	90
G0792459		>50	4.78	1.37	0.1	0.051	0.04	0.5	4.6	3.44	1460	0.25	0.02	1.4	6.9	80
G0792460		34.6	2.48	0.76	0.1	0.058	0.01	0.9	7.0	3.88	1500	0.33	0.02	1.0	11.1	90
G0792461		>50	5.49	1.29	0.1	0.045	0.02	<0.5	1.8	3.23	1220	0.50	0.01	1.1	5.7	40
G0792462		>50	5.71	1.36	<0.1	0.038	0.08	<0.5	1.2	2.78	1430	0.47	0.01	1.2	2.9	<10
G0792463		44.4	2.65	0.89	<0.1	0.035	0.02	<0.5	1.3	4.18	1700	0.24	<0.01	0.9	4.1	10
G0792464		38.6	1.95	0.78	<0.1	0.033	0.01	<0.5	0.8	5.67	1810	0.36	0.01	0.8	3.6	40
G0792465		49.1	3.06	1.12	<0.1	0.055	0.01	<0.5	1.3	2.58	1680	0.73	0.01	1.0	10.0	<10
G0792466		>50	7.81	1.50	<0.1	0.040	0.02	<0.5	0.7	2.06	1200	0.41	0.01	1.1	9.5	<10
G0792467		4.31	2.26	0.09	0.2	0.012	0.11	1.3	2.1	2.80	504	0.38	0.21	0.6	21.0	160
G0792468		12.70	0.76	0.25	<0.1	0.032	<0.01	<0.5	<0.2	3.81	1180	0.06	<0.01	0.3	3.3	10
G0792469		11.40	0.86	0.22	<0.1	0.020	<0.01	<0.5	0.2	2.93	658	0.12	0.01	0.3	3.0	<10
G0792470		>50	2.80	1.45	<0.1	0.094	<0.01	<0.5	0.3	1.45	2120	0.27	<0.01	1.3	2.5	<10
G0792471		48.4	2.18	1.05	<0.1	0.065	<0.01	<0.5	0.2	2.22	1800	0.32	<0.01	1.1	3.3	10
G0792472		2.44	0.69	0.07	0.1	0.008	0.01	<0.5	2.5	1.92	564	0.55	0.01	0.3	3.1	80
G0792473		5.53	0.57	0.12	0.1	0.014	0.01	<0.5	1.0	1.40	319	0.50	<0.01	0.3	3.4	20
G0792474		43.4	1.71	0.88	<0.1	0.063	<0.01	<0.5	0.4	1.94	1660	0.27	<0.01	0.8	2.7	10
G0792475		5.71	3.84	0.14	0.1	0.041	<0.01	<0.5	1.4	2.52	738	0.17	0.02	0.2	5.0	40

***** See Appendix Page for comments regarding this certificate *****

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 28-JUL-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11123100

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
G0792435		2.3	42.9	0.003	0.69	0.56	21.8	2	3.6	495	0.35	0.09	2.1	0.388	0.19	1.0
G0792436		0.6	99.9	<0.002	0.02	0.34	4.0	1	1.8	68.6	0.38	<0.05	4.0	0.176	0.36	2.3
G0792437		0.6	2.8	<0.002	0.07	0.30	1.4	1	0.8	17.0	0.06	<0.05	0.2	0.049	0.02	0.6
G0792438		3.0	21.2	<0.002	0.05	1.12	12.7	2	3.8	529	0.21	<0.05	1.4	0.350	0.06	2.2
G0792439		1.4	29.8	<0.002	0.05	0.55	14.8	2	3.2	220	0.18	<0.05	1.1	0.326	0.08	1.6
G0792440		1.8	65.8	0.002	0.02	0.41	25.5	2	3.2	188.0	0.21	<0.05	1.3	0.546	0.18	1.0
G0792441		1.9	8.6	<0.002	<0.01	0.52	18.9	1	3.5	204	0.24	<0.05	0.7	0.336	0.03	1.3
G0792442		1.2	2.1	0.002	0.26	0.52	7.3	2	1.7	125.5	0.06	0.05	0.3	0.147	<0.02	0.7
G0792443		1.0	2.3	0.002	0.16	0.44	3.9	2	1.9	51.3	0.05	<0.05	0.2	0.087	<0.02	0.4
G0792444		4.7	3.4	0.013	2.74	1.61	22.3	4	4.5	788	0.14	0.33	0.9	0.398	0.02	4.4
G0792445		1.7	9.8	0.009	0.77	0.93	13.8	2	3.4	227	0.14	0.07	0.8	0.306	0.04	2.0
G0792446		1.4	11.7	0.004	1.95	0.62	10.4	3	3.7	112.5	0.11	0.19	0.5	0.242	0.05	0.8
G0792448		1.5	28.7	0.003	0.17	0.59	26.0	2	1.3	416	0.16	<0.05	0.9	0.433	0.09	0.6
G0792449		3.0	24.9	0.002	0.05	0.55	27.4	2	1.5	601	0.21	<0.05	2.1	0.449	0.07	1.6
G0792450		1.4	1.5	0.005	0.86	0.69	4.3	2	2.4	111.5	0.08	0.13	0.3	0.108	0.02	1.6
G0792451		1.7	42.2	0.004	1.41	0.41	23.7	3	2.6	141.5	0.17	0.09	1.1	0.420	0.15	1.1
G0792452		1.4	3.5	0.005	5.58	0.54	5.9	5	5.7	44.3	0.08	0.26	0.3	0.127	0.15	1.1
G0792453		1.2	1.5	0.003	2.02	0.32	1.5	2	0.9	12.0	<0.05	0.08	<0.2	0.029	0.04	0.4
G0792454		0.9	1.6	0.005	1.79	0.47	1.5	2	1.2	10.4	<0.05	0.08	<0.2	0.026	0.04	0.4
G0792455		1.4	4.1	0.008	6.30	1.03	13.3	3	2.1	376	0.12	0.32	0.6	0.321	0.07	1.7
G0792456		1.5	1.2	0.006	2.66	0.47	1.5	2	1.0	10.8	<0.05	0.17	<0.2	0.031	0.06	0.5
G0792457		1.1	6.8	0.004	1.66	0.57	1.2	1	1.4	19.3	<0.05	0.07	<0.2	0.019	0.10	0.4
G0792458		0.9	1.4	0.004	3.46	1.05	2.4	1	1.8	27.2	<0.05	0.12	<0.2	0.075	0.20	0.3
G0792459		0.6	3.1	0.005	3.14	1.16	2.4	1	1.5	23.6	<0.05	0.10	0.2	0.042	0.26	0.3
G0792460		0.6	0.8	0.004	1.58	1.14	2.8	2	1.6	239	<0.05	0.07	0.2	0.054	0.12	0.9
G0792461		1.0	2.0	0.007	3.73	0.69	0.9	2	1.4	87.4	<0.05	0.13	<0.2	0.014	0.20	0.2
G0792462		0.9	8.9	0.005	1.86	0.29	0.5	1	2.0	113.5	<0.05	0.09	<0.2	0.005	0.05	0.2
G0792463		0.8	2.0	0.005	2.63	0.41	0.5	1	2.7	200	<0.05	0.11	<0.2	0.005	0.04	0.6
G0792464		0.7	0.8	0.002	1.52	0.36	0.4	2	1.9	141.5	<0.05	0.06	<0.2	0.005	0.05	0.6
G0792465		2.1	1.3	0.004	2.04	0.42	0.5	1	2.1	129.5	<0.05	0.10	<0.2	0.008	0.03	0.3
G0792466		1.3	1.6	0.005	1.87	0.45	0.8	1	1.2	13.4	<0.05	0.11	<0.2	0.014	0.03	0.4
G0792467		<0.5	5.6	0.005	0.85	0.19	4.1	2	0.4	2740	<0.05	<0.05	0.2	0.078	0.02	2.7
G0792468		<0.5	0.1	0.006	1.77	0.31	0.4	2	0.8	1320	<0.05	<0.05	<0.2	<0.005	0.05	2.0
G0792469		<0.5	0.2	0.003	1.62	0.31	0.4	2	0.7	3840	<0.05	<0.05	<0.2	0.005	0.04	1.9
G0792470		0.7	0.3	0.005	1.29	0.50	0.4	1	3.4	83.4	<0.05	0.11	<0.2	<0.005	0.05	0.4
G0792471		0.6	0.2	0.006	4.23	0.74	0.4	2	2.6	200	<0.05	0.14	<0.2	0.005	0.19	0.7
G0792472		0.5	1.1	0.010	0.73	0.12	1.3	2	0.3	3440	<0.05	<0.05	<0.2	0.017	0.03	5.1
G0792473		<0.5	0.4	0.006	0.89	0.13	0.8	2	0.4	3820	<0.05	<0.05	<0.2	0.008	<0.02	2.9
G0792474		0.8	0.3	0.003	1.92	0.26	0.5	1	2.5	372	<0.05	0.08	<0.2	0.008	0.04	0.7
G0792475		0.9	0.1	0.005	1.82	0.26	0.8	2	0.3	2020	<0.05	0.07	<0.2	0.011	0.02	2.3

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 28-JUL-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11123100

Sample Description	Method / Analyte / Units / LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Fe-OG62 Fe % 0.01
G0792435		133	1.9	28.2	126	29.6	
G0792436		17	0.5	10.7	120	60.0	
G0792437		28	0.4	2.8	108	18.0	
G0792438		67	0.8	17.4	80	30.9	
G0792439		70	1.2	10.7	62	27.0	
G0792440		135	2.5	15.4	61	31.9	
G0792441		70	1.4	11.7	91	26.3	
G0792442		90	0.6	5.0	105	11.8	22.5
G0792443		69	0.7	3.0	105	9.2	23.1
G0792444		159	1.1	17.2	126	30.7	
G0792445		128	1.5	10.6	109	19.3	
G0792446		82	1.5	5.6	124	16.5	
G0792448		242	0.9	17.9	132	18.9	
G0792449		187	2.7	18.9	87	27.5	
G0792450		116	1.7	3.3	130	9.0	35.5
G0792451		176	1.4	12.7	64	33.6	
G0792452		100	1.1	3.5	78	14.0	27.9
G0792453		38	1.3	1.0	71	3.4	47.0
G0792454		25	5.4	0.9	78	2.9	57.2
G0792455		120	59.8	8.1	90	26.0	34.4
G0792456		32	95.6	1.0	76	3.1	55.5
G0792457		19	2.0	0.6	98	2.1	59.3
G0792458		20	6.2	0.5	85	4.7	58.3
G0792459		23	7.3	1.4	71	3.2	53.6
G0792460		23	8.6	2.2	85	3.8	33.8
G0792461		13	2.0	0.7	79	1.6	50.7
G0792462		9	0.8	0.4	96	1.0	55.1
G0792463		8	1.8	0.7	88	1.3	42.8
G0792464		7	1.6	0.6	67	0.9	36.7
G0792465		11	0.7	0.7	102	1.3	48.6
G0792466		23	6.1	0.5	79	1.8	58.6
G0792467		27	0.5	3.0	26	6.4	
G0792468		5	3.1	1.4	68	1.6	
G0792469		3	1.6	0.6	43	0.9	
G0792470		10	2.4	0.6	130	1.4	60.4
G0792471		8	2.9	0.9	111	1.4	46.9
G0792472		7	1.1	0.8	25	4.4	
G0792473		4	0.6	0.6	21	1.9	
G0792474		7	1.2	0.8	131	1.5	44.4
G0792475		32	0.3	0.8	53	1.8	

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To: PACIFIC IRON ORE CORPORATION
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CALGARY AB T2P 4H2

Finalized Date: 28-JUL-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11123100

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA24 Au ppm 0.005	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
G0792476		3.80	<0.005	0.05	8.50	1.4	480	0.77	<0.01	5.60	0.05	22.8	20.7	5	1.43	68.7
G0792477		3.68	<0.005	0.01	0.36	7	60	0.09	<0.01	32.7	<0.02	6.55	2.5	1	<0.05	7.4
G0792478		2.30	<0.005	0.13	1.44	30	100	0.14	0.03	20.8	0.03	4.15	49.4	<1	0.18	407
G0792479		3.56	<0.005	<0.01	0.16	7	20	<0.05	<0.01	32.3	<0.02	1.24	1.5	1	0.05	5.6
G0792480		1.20	<0.005	0.07	0.11	14	10	<0.05	<0.01	20.1	<0.02	0.62	34.0	<1	0.05	197.5
G0792481		6.34	0.005	0.16	0.10	1.1	10	<0.05	0.06	9.31	<0.02	0.43	77.3	<1	0.07	443
G0792482		1.56	<0.005	0.03	6.92	3.4	240	0.77	<0.01	4.20	<0.02	17.25	17.5	<1	1.32	28.6
G0792483		1.96	0.005	0.16	0.15	10	10	0.05	0.10	12.35	<0.02	0.46	129.5	<1	0.10	428
G0792484		1.12	<0.005	0.01	0.44	<5	40	<0.05	<0.01	34.2	<0.02	1.11	4.4	<1	0.08	24.3
G0792485		3.44	0.005	0.25	0.08	18.2	<10	0.05	0.16	9.75	0.06	0.46	129.0	<1	0.20	457
G0792486		4.08	<0.005	0.26	0.33	0.5	<10	0.07	0.18	2.38	0.04	0.39	126.5	<1	0.87	344
G0792487		1.42	<0.005	0.03	6.36	<5	40	0.43	0.09	10.55	<0.02	18.35	21.5	<1	0.58	27.4
G0792488		4.10	0.005	0.27	0.59	18.6	<10	0.09	0.16	5.92	0.08	1.85	130.0	<1	0.28	575
G0792489		1.26	<0.005	0.11	0.92	20	10	0.10	0.10	22.9	0.02	1.43	78.1	<1	1.13	366
G0792490		3.04	<0.005	0.19	0.95	5	10	0.08	0.13	12.25	0.02	0.82	85.4	<1	1.01	547
G0792491		3.22	0.005	0.25	0.37	55.0	<10	<0.05	0.16	6.28	0.03	0.41	139.0	<1	0.89	512
G0792492		3.94	<0.005	0.02	0.15	<5	70	<0.05	0.02	32.5	<0.02	0.59	12.2	<1	0.12	43.3
G0792493		2.54	<0.005	0.01	0.07	<5	1440	<0.05	0.01	34.4	0.03	0.49	4.2	1	0.06	22.4
G0792494		1.92	0.032	0.45	6.07	14	210	0.64	0.60	10.80	0.18	21.3	263	27	0.21	1250
G0792495		4.38	<0.005	0.04	7.06	7	290	0.62	0.17	11.00	0.03	26.4	17.5	<1	5.81	14.6
G0792496		6.60	<0.005	0.04	6.97	<5	240	0.62	0.11	12.05	0.18	28.9	19.9	1	0.91	31.9
G0792497		3.62	0.005	0.04	6.67	<5	130	0.48	0.08	10.85	0.11	22.1	19.8	9	0.55	12.7
G0792498		3.68	<0.005	0.04	8.12	7.5	530	0.68	0.08	7.54	0.50	32.3	20.0	2	1.65	23.9
G0792499		4.04	<0.005	0.05	8.02	5.2	680	0.62	0.20	9.13	0.57	27.3	16.4	<1	1.19	18.4
G0792500		7.36	<0.005	0.05	7.90	12.9	480	0.75	0.08	4.62	0.12	26.8	19.0	2	1.35	37.4
G0792501		3.14	<0.005	0.04	7.92	2.0	90	0.42	0.05	6.22	0.06	18.35	22.7	14	1.08	28.4
G0792502		6.00	<0.005	0.05	7.52	5.5	480	0.56	0.08	4.87	0.13	22.6	17.5	<1	0.74	22.4
G0792503		5.96	<0.005	0.07	7.68	4.2	490	0.69	0.06	2.43	0.10	23.5	17.4	1	1.43	33.7
G0792504		5.18	<0.005	0.07	7.67	9.2	190	0.57	0.07	3.23	0.13	28.6	18.6	<1	1.34	53.2
G0792505		3.50	<0.005	0.05	7.56	3.0	<10	0.47	0.14	2.58	0.16	17.90	22.0	39	1.81	51.8
G0792506		8.58	<0.005	0.07	7.89	7.6	370	0.56	0.26	6.42	0.56	28.7	18.8	2	0.65	46.0
G0792507		1.20	<0.005	0.06	8.30	0.8	230	0.78	0.03	3.06	0.10	18.75	21.6	25	1.42	99.1
G0792508		1.38	<0.005	0.09	5.66	5	40	0.74	0.09	11.60	0.14	31.2	18.5	9	0.76	82.2
G0792509		3.60	<0.005	0.02	7.77	2.5	<10	0.34	0.05	5.11	0.03	17.75	23.4	6	1.64	29.3
G0792511		5.40	<0.005	0.04	3.82	<5	30	0.79	0.11	15.40	0.08	8.13	19.8	29	0.44	5.4
G0792512		2.72	<0.005	0.04	8.27	1.5	200	1.24	0.10	7.97	0.12	38.3	10.7	5	0.94	9.5
G0792513		2.70	<0.005	0.02	7.60	<0.2	260	1.01	0.03	3.99	0.05	20.8	10.0	4	0.73	8.8
G0792515		2.56	<0.005	0.13	8.17	6.1	910	0.88	0.21	6.74	0.11	25.7	52.3	79	0.97	113.0
G0792516		1.28	<0.005	0.13	1.00	<0.2	<10	0.46	0.15	8.22	0.13	1.60	20.2	5	0.19	130.5
G0792517		1.98	<0.005	0.10	8.02	2.0	370	1.19	0.29	8.09	0.26	46.3	24.0	4	0.58	88.4

***** See Appendix Page for comments regarding this certificate *****

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ALS Minerals

To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 28-JUL-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11123100

Sample Description	Method Analyte Units LOR	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10
G0792476		6.59	21.7	0.14	1.3	0.063	1.21	8.7	6.2	2.85	1370	0.73	2.59	5.5	4.8	1520
G0792477		0.63	1.70	0.05	0.2	0.011	0.01	3.2	2.7	1.96	288	0.17	0.02	2.4	2.7	80
G0792478		13.45	4.39	0.26	0.2	0.042	0.04	2.1	6.5	3.71	1120	0.46	0.08	0.9	3.5	210
G0792479		0.33	0.60	<0.05	<0.1	<0.005	0.01	0.6	1.0	1.34	305	0.10	0.04	0.4	2.3	60
G0792480		14.65	0.81	0.29	<0.1	0.026	0.01	<0.5	1.7	5.62	1690	0.23	0.01	0.5	1.9	50
G0792481		44.8	1.46	0.89	<0.1	0.080	<0.01	<0.5	0.3	2.51	2080	0.23	0.01	0.9	2.5	<10
G0792482		9.38	13.90	0.19	0.9	0.129	0.78	6.9	25.1	7.87	1910	0.16	0.69	2.3	2.7	1140
G0792483		42.1	3.12	0.84	<0.1	0.064	<0.01	<0.5	0.6	1.45	1660	0.57	0.01	0.8	4.6	<10
G0792484		1.24	0.87	0.05	<0.1	0.008	0.03	0.6	1.6	1.17	555	0.40	0.02	0.2	2.0	40
G0792485		47.7	2.37	0.95	0.1	0.113	0.01	<0.5	1.7	1.96	1860	0.42	0.01	1.0	3.0	<10
G0792486		>50	7.31	1.30	<0.1	0.061	0.09	<0.5	1.8	2.85	1460	0.46	0.01	1.1	2.9	<10
G0792487		8.25	13.15	0.17	0.9	0.134	0.24	7.8	12.0	6.95	1340	0.20	0.16	2.1	2.6	970
G0792488		>50	4.72	1.07	0.1	0.124	0.03	0.8	1.9	1.91	1820	0.48	0.02	1.1	2.2	60
G0792489		16.20	2.47	0.31	0.3	0.060	0.15	0.6	3.7	2.26	1020	1.37	0.02	0.9	0.2	70
G0792490		39.7	2.46	0.71	0.3	0.117	0.14	<0.5	3.9	2.39	1770	0.60	0.02	1.4	1.3	50
G0792491		>50	2.40	1.15	0.1	0.161	0.09	<0.5	3.2	2.11	2070	0.83	0.02	1.3	1.9	10
G0792492		3.00	0.83	0.10	<0.1	0.016	0.02	<0.5	1.2	0.97	419	0.42	0.01	0.3	<0.2	20
G0792493		1.15	0.24	0.07	<0.1	0.007	0.01	<0.5	0.5	0.65	124	0.17	0.01	0.2	<0.2	30
G0792494		14.55	16.05	0.35	1.0	0.118	0.13	9.8	4.7	3.23	973	1.77	0.47	3.0	38.0	920
G0792495		5.35	16.10	0.16	1.6	0.077	2.66	10.9	4.0	3.95	1180	1.38	0.56	4.8	3.0	1140
G0792496		6.00	16.60	0.13	1.6	0.079	0.40	13.3	5.2	5.38	1180	2.26	1.00	3.5	1.7	1010
G0792497		5.23	14.95	0.12	1.2	0.066	0.48	9.7	9.3	6.65	865	1.77	0.82	2.6	7.6	790
G0792498		4.72	17.40	0.14	1.5	0.086	2.33	14.7	4.1	2.70	1280	1.90	1.65	4.1	2.6	1280
G0792499		5.78	19.70	0.15	0.9	0.093	2.03	12.0	4.2	2.06	934	1.66	1.18	3.2	<0.2	990
G0792500		5.48	17.50	0.14	0.9	0.050	1.89	10.9	5.0	2.19	935	2.39	2.97	4.2	0.2	1290
G0792501		5.69	17.65	0.14	1.0	0.079	0.71	7.0	9.0	5.68	1120	0.53	1.50	2.2	15.1	890
G0792502		5.53	15.15	0.15	1.2	0.056	1.88	9.2	2.8	2.26	691	4.85	2.49	3.8	<0.2	1240
G0792503		5.18	16.90	0.15	1.0	0.054	2.23	9.2	3.6	2.54	577	3.31	2.81	3.9	1.1	1200
G0792504		5.29	15.00	0.16	1.1	0.047	1.25	12.5	5.8	3.36	443	4.15	2.67	4.0	1.4	1220
G0792505		5.88	16.80	0.15	1.2	0.057	0.59	7.1	17.3	10.95	436	4.03	0.51	2.3	26.2	1170
G0792506		5.75	14.80	0.17	1.2	0.111	1.46	11.9	2.7	2.48	1230	3.73	2.62	4.0	0.9	1240
G0792507		5.95	20.3	0.16	0.9	0.075	1.50	7.4	4.1	3.66	883	0.91	2.47	4.5	13.3	1670
G0792508		5.03	12.80	0.14	1.4	0.087	0.28	13.9	9.0	7.37	1120	1.13	0.58	4.6	12.3	1630
G0792509		5.87	18.70	0.14	0.9	0.078	0.79	6.5	8.5	6.16	664	0.29	0.93	2.0	8.8	910
G0792511		6.89	10.10	0.14	0.5	0.655	0.23	3.7	4.2	5.31	4250	0.28	0.42	2.5	10.3	250
G0792512		4.81	16.55	0.14	1.1	0.341	0.80	17.0	2.9	1.65	2460	0.86	3.60	6.5	8.4	840
G0792513		3.26	16.25	0.11	0.5	0.037	0.84	8.2	4.8	1.71	772	1.13	4.07	5.8	4.6	1010
G0792515		5.81	18.35	0.16	0.8	0.123	1.63	10.5	6.9	2.67	1290	0.39	1.91	6.1	52.9	720
G0792516		29.4	9.27	0.65	0.2	0.186	0.07	0.7	3.5	5.96	1840	0.18	0.11	0.9	8.5	90
G0792517		8.34	20.6	0.24	1.1	0.357	0.81	19.4	4.0	1.92	2660	0.66	2.02	9.9	7.0	1260

***** See Appendix Page for comments regarding this certificate *****

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 28-JUL-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11123100

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
G0792476		2.2	19.7	<0.002	0.08	0.25	23.4	1	0.8	915	0.45	<0.05	0.9	0.632	0.13	0.5
G0792477		0.6	1.1	0.002	1.12	0.08	1.0	2	<0.2	3460	0.17	<0.05	<0.2	0.028	<0.02	2.4
G0792478		1.2	1.7	0.008	2.25	0.21	3.4	2	1.0	1070	<0.05	0.08	0.2	0.081	0.05	1.6
G0792479		<0.5	0.5	0.002	0.27	<0.05	0.6	2	<0.2	1515	<0.05	<0.05	<0.2	0.016	<0.02	2.9
G0792480		<0.5	0.3	0.002	1.26	0.14	0.4	2	1.0	496	<0.05	0.05	<0.2	0.007	<0.02	1.8
G0792481		0.7	0.2	0.005	2.29	0.31	0.4	1	4.5	147.5	<0.05	0.12	<0.2	<0.005	0.03	0.6
G0792482		0.6	18.3	<0.002	0.03	0.47	12.9	1	2.2	324	0.12	<0.05	0.7	0.499	0.07	0.8
G0792483		1.0	0.3	0.007	3.26	0.26	0.4	1	1.9	456	<0.05	0.15	<0.2	0.008	0.04	1.0
G0792484		<0.5	1.0	0.002	0.70	0.08	1.1	2	<0.2	2350	<0.05	<0.05	<0.2	0.020	<0.02	2.5
G0792485		0.8	0.6	0.006	2.16	0.60	0.6	1	3.3	388	<0.05	0.31	<0.2	0.009	0.04	1.0
G0792486		0.7	10.1	0.005	1.68	0.54	0.4	1	3.1	17.5	<0.05	0.19	<0.2	0.005	0.06	0.1
G0792487		1.0	5.0	0.002	0.06	1.27	14.4	1	2.0	1295	0.11	<0.05	0.6	0.427	0.02	1.5
G0792488		1.3	1.6	0.009	2.74	0.72	1.9	1	4.0	226	<0.05	0.25	<0.2	0.038	0.03	0.5
G0792489		0.5	14.5	0.005	1.76	0.36	1.8	1	1.8	1135	0.05	0.14	0.3	0.042	0.14	4.7
G0792490		0.7	12.2	0.008	2.38	0.49	1.5	1	3.6	959	0.06	0.20	0.3	0.041	0.14	4.5
G0792491		0.9	8.8	0.007	3.03	0.74	0.8	1	4.7	188.5	<0.05	0.28	<0.2	0.016	0.15	1.6
G0792492		<0.5	1.6	0.003	1.05	0.20	0.6	1	0.3	5880	<0.05	0.05	<0.2	0.006	0.02	3.0
G0792493		<0.5	0.5	0.002	0.65	0.17	0.3	1	0.2	4210	<0.05	0.06	<0.2	<0.005	<0.02	2.7
G0792494		2.8	5.3	0.009	9.16	1.08	25.6	16	0.8	1795	0.14	0.48	0.9	0.453	0.09	3.8
G0792495		1.9	125.0	0.005	2.12	1.30	25.7	2	0.8	1515	0.26	0.13	1.1	0.674	0.54	1.9
G0792496		2.0	14.9	0.009	3.44	0.78	17.7	2	0.9	1400	0.20	0.06	2.3	0.412	0.16	2.5
G0792497		1.6	16.3	0.005	3.40	0.61	20.7	2	1.0	1005	0.15	<0.05	1.5	0.402	0.13	2.4
G0792498		3.1	51.6	0.003	2.89	0.99	21.8	2	0.9	1250	0.25	0.07	2.5	0.512	0.43	1.5
G0792499		4.0	47.8	0.002	3.60	0.76	20.1	2	0.7	1335	0.19	0.09	2.1	0.427	0.36	1.3
G0792500		1.9	33.7	0.002	3.55	0.48	20.7	2	0.8	1090	0.25	0.10	2.1	0.537	0.36	0.8
G0792501		3.1	15.4	<0.002	1.03	0.74	26.1	2	0.8	1455	0.12	<0.05	0.8	0.496	0.14	0.6
G0792502		2.0	31.4	0.002	4.04	0.61	18.6	2	0.8	1360	0.21	0.06	1.9	0.496	0.29	0.8
G0792503		1.6	43.4	<0.002	3.54	0.48	20.7	2	0.8	975	0.23	0.07	2.0	0.517	0.70	0.8
G0792504		1.9	28.5	<0.002	3.44	0.53	21.3	2	0.7	761	0.23	0.08	2.3	0.505	0.30	0.9
G0792505		1205	24.0	0.005	0.61	0.58	29.0	2	0.5	263	0.13	<0.05	0.7	0.636	0.11	0.6
G0792506		4.3	26.9	0.006	3.80	0.97	21.1	2	0.9	1370	0.23	0.12	2.5	0.519	0.26	1.3
G0792507		2.2	17.2	<0.002	0.37	0.24	23.2	1	0.9	870	0.22	<0.05	0.9	0.647	0.25	0.5
G0792508		1.8	10.6	0.003	0.90	0.60	23.1	2	0.9	1145	0.23	<0.05	2.1	0.571	0.07	1.5
G0792509		3.5	16.0	0.002	0.34	0.59	18.7	1	0.8	936	0.11	<0.05	0.6	0.526	0.16	0.3
G0792511		1.9	9.0	<0.002	0.05	0.57	9.4	1	2.7	438	0.10	<0.05	0.5	0.178	0.04	1.3
G0792512		2.7	19.8	<0.002	0.05	0.43	14.8	2	2.5	630	0.52	<0.05	4.8	0.355	0.11	2.2
G0792513		1.5	12.6	0.002	0.05	0.11	14.3	1	0.8	447	0.37	<0.05	2.7	0.403	0.13	0.7
G0792515		2.4	45.8	<0.002	1.10	0.71	22.9	2	1.7	336	0.40	0.08	2.8	0.434	0.25	1.4
G0792516		1.2	1.9	<0.002	0.28	0.30	2.7	1	1.2	24.9	0.05	0.10	0.3	0.055	0.02	0.6
G0792517		4.1	25.1	0.002	0.57	0.74	15.0	2	3.0	783	0.52	0.07	3.1	0.531	0.09	3.1

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To: PACIFIC IRON ORE CORPORATION
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CALGARY AB T2P 4H2

Finalized Date: 28-JUL-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11123100

Sample Description	Method / Analyte / Units / LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Fe-OG62 Fe % 0.01
G0792476		274	0.4	16.9	94	39.4	
G0792477		11	0.2	1.6	12	11.3	
G0792478		38	0.6	3.5	76	6.9	
G0792479		4	0.1	0.8	7	1.6	
G0792480		5	1.1	0.7	51	1.6	
G0792481		7	0.9	0.8	117	1.6	44.7
G0792482		229	0.7	14.7	63	28.9	
G0792483		11	0.5	1.5	117	1.5	41.7
G0792484		9	0.1	0.9	7	1.6	
G0792485		5	1.1	1.3	113	2.1	47.2
G0792486		5	0.8	0.4	103	1.5	59.4
G0792487		184	1.0	13.0	47	25.2	
G0792488		21	1.2	1.9	145	3.0	54.5
G0792489		11	0.5	1.7	108	8.3	
G0792490		7	1.1	1.5	143	10.0	38.4
G0792491		5	1.5	1.0	159	4.1	53.1
G0792492		2	0.2	0.6	16	1.6	
G0792493		1	0.1	0.3	14	1.1	
G0792494		202	0.7	14.1	47	31.9	
G0792495		226	0.4	21.5	40	46.5	
G0792496		110	0.5	20.7	77	45.0	
G0792497		157	0.4	15.3	67	35.3	
G0792498		136	0.4	24.1	161	37.8	
G0792499		150	0.6	22.2	89	22.3	
G0792500		147	0.3	22.3	41	21.2	
G0792501		262	0.7	15.1	74	26.7	
G0792502		140	0.3	19.9	40	29.8	
G0792503		150	0.2	21.6	36	25.1	
G0792504		141	0.2	23.5	51	26.7	
G0792505		280	2.5	17.5	113	35.1	
G0792506		136	0.7	23.0	143	29.0	
G0792507		238	0.6	16.6	86	20.5	
G0792508		180	0.8	20.8	153	35.1	
G0792509		302	0.4	13.3	68	21.5	
G0792511		71	0.6	12.4	89	15.2	
G0792512		94	0.8	28.0	55	21.4	
G0792513		106	0.5	21.6	38	10.9	
G0792515		126	1.4	27.7	84	13.7	
G0792516		39	0.5	2.7	136	6.1	30.1
G0792517		64	1.4	38.7	114	28.3	

***** See Appendix Page for comments regarding this certificate *****

ALS Minerals

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To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 28-JUL-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11123100

Sample Description	Method	WEI-21	Au-AA24	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.005	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
G0792518		5.42	<0.005	0.03	7.74	1.3	430	1.71	0.24	7.09	0.18	34.4	10.0	5	0.54	6.4
G0792519		5.60	<0.005	0.03	7.96	1.4	420	1.44	0.22	7.54	0.10	49.4	7.2	1	0.61	10.0
G0792540		2.40	<0.005	0.11	8.31	1.2	320	1.11	0.15	9.35	0.20	38.6	15.5	<1	0.46	13.0
G0792648		5.34	<0.005	0.12	8.62	<5	410	2.38	0.14	10.10	0.29	22.6	28.5	<1	1.17	88.5
G0792649		1.50	0.077	6.56	6.36	<5	50	1.66	0.48	16.05	3.79	10.25	192.5	<1	0.15	6050
G0792651		5.24	0.011	0.61	6.80	6	610	1.61	0.31	13.65	0.44	29.5	59.9	4	0.97	1025
G0792652		5.12	<0.005	0.28	7.71	<0.2	740	1.79	0.18	7.09	0.06	44.2	25.8	7	0.45	9.1
G0792653		3.72	<0.005	0.20	9.15	0.3	980	1.36	0.05	1.64	0.20	65.0	12.7	5	0.71	182.0
G0792654		6.32	<0.005	0.06	5.54	<5	30	0.81	0.11	18.25	0.08	25.1	13.2	4	0.06	14.2
G0792655		3.00	<0.005	0.06	8.40	<5	200	0.84	0.98	12.15	0.11	26.9	24.3	5	0.58	53.3
G0792656		5.16	<0.005	0.08	7.88	8	180	1.01	0.86	12.50	0.26	44.5	42.1	2	0.14	48.0
G0792657		4.20	<0.005	0.06	6.43	7	20	1.14	0.31	14.20	0.09	50.0	30.8	5	<0.05	10.9
G0792658		1.58	<0.005	0.01	7.84	0.9	1090	1.51	0.08	3.67	0.05	37.2	11.4	70	0.39	12.1
G0792659		5.80	<0.005	0.06	7.33	12	50	0.95	0.28	13.65	0.08	42.8	30.7	<1	0.09	26.3
G0792660		3.06	<0.005	0.03	6.79	<5	10	0.70	0.26	16.15	0.06	55.3	10.9	4	<0.05	3.5
G0792661		5.78	<0.005	0.04	3.78	12	20	1.19	0.21	14.60	0.09	53.1	37.4	1	0.11	23.4
G0792662		6.58	<0.005	0.04	3.62	7	80	0.78	0.23	14.60	0.06	25.1	23.1	2	<0.05	43.7
G0792663		3.08	<0.005	0.05	2.66	7	30	0.21	0.06	21.8	0.06	7.70	17.0	19	0.34	51.4
G0792664		1.30	<0.005	0.05	0.64	12	30	0.07	0.11	25.8	0.03	2.61	21.0	10	0.17	39.7
G0792665		2.78	0.007	0.06	4.99	13	90	0.39	0.17	13.70	0.05	13.80	36.4	47	0.58	96.4
G0792666		2.50	0.041	0.22	0.82	6	160	0.16	0.04	28.2	0.12	1.27	20.3	12	0.08	460
G0792667		5.72	0.105	0.28	1.53	14.6	10	0.19	0.08	4.36	0.18	1.79	58.6	18	0.12	292
G0792668		10.14	<0.005	0.41	0.30	9.1	10	0.07	0.24	0.86	0.05	0.30	189.0	<1	0.21	833
G0792669		3.62	0.006	0.02	0.11	<5	10	<0.05	0.01	33.0	0.03	0.44	7.1	2	<0.05	26.3
G0792670		1.96	<0.005	0.03	7.11	0.6	1020	1.55	0.07	3.92	0.05	32.3	11.6	57	0.32	23.3
G0792671		2.38	<0.005	0.03	0.66	<5	10	0.06	0.03	29.5	0.02	1.74	19.6	7	0.20	89.1
G0792672		2.42	<0.005	0.18	1.24	3.1	30	0.12	0.05	2.61	0.04	2.65	66.6	19	1.07	248
G0792673		4.58	<0.005	0.02	0.49	<5	30	<0.05	0.01	29.0	0.02	1.14	9.4	5	0.34	26.6
G0792674		1.54	<0.005	0.23	0.99	2.0	20	0.13	0.06	4.15	0.05	1.59	68.8	10	0.96	142.0
G0792675		2.48	<0.005	<0.01	0.10	<5	10	<0.05	0.01	35.3	<0.02	0.29	2.0	2	<0.05	7.7
G0792676		1.92	0.006	0.07	6.17	9	120	0.48	0.11	20.2	0.04	16.90	34.0	7	0.56	209
G0792677		3.32	0.112	1.05	0.30	12	10	0.20	0.52	10.85	0.15	0.51	320	3	0.06	6960
G0792678		3.18	<0.005	0.11	7.33	<5	80	0.39	0.06	13.25	0.09	13.65	39.2	64	0.49	414
G0792679		6.46	<0.005	0.05	5.55	<5	40	0.20	0.06	17.65	0.06	65.6	11.7	56	0.22	31.2
G0792680		2.26	0.125	0.35	6.77	<5	30	0.26	0.17	14.50	0.09	49.6	31.1	2	0.10	1080
G0792681		5.48	<0.005	0.06	4.42	<0.2	10	0.13	0.04	5.39	0.04	2.62	96.5	1100	0.07	103.0
G0792696		1.70	0.114	0.40	5.73	8	10	0.21	0.18	12.35	0.10	57.8	26.8	7	0.08	1120
G0792650		2.66	0.050	2.56	2.62	7.1	30	0.70	0.48	7.98	1.21	13.30	182.0	<1	0.07	3640

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ALS Minerals

To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 28-JUL-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11123100

Sample Description	Method / Analyte / Units / LOR	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10
G0792518		4.30	16.85	0.16	1.0	0.266	0.91	13.9	1.5	0.83	1900	1.58	3.34	11.7	6.0	940
G0792519		4.36	17.85	0.20	1.1	0.535	0.96	21.5	2.0	1.30	1600	2.64	3.18	11.2	1.6	950
G0792540		7.38	22.7	0.22	1.2	0.261	0.63	16.7	3.7	1.58	2840	0.87	1.73	10.9	5.3	1170
G0792648		6.32	14.30	0.18	1.5	0.221	0.86	9.7	3.5	1.02	3760	0.39	3.07	11.0	2.0	830
G0792649		11.80	15.50	0.21	1.2	1.220	0.09	4.7	2.1	0.64	6120	0.30	0.32	5.9	31.9	240
G0792651		11.85	16.05	0.24	1.0	0.988	0.73	13.9	3.2	1.04	5020	0.24	0.58	7.5	11.7	390
G0792652		4.80	19.65	0.17	1.0	0.437	1.25	18.1	4.1	0.72	1540	0.71	2.58	11.4	3.7	540
G0792653		3.29	18.75	0.23	1.3	0.076	3.31	28.8	4.8	0.72	947	0.68	4.28	15.0	3.8	680
G0792654		10.05	12.55	0.21	1.9	0.549	0.06	13.7	1.8	1.27	10600	0.19	0.31	7.5	2.5	220
G0792655		9.43	24.6	0.22	1.2	0.681	0.40	11.1	5.1	0.88	4710	0.18	1.15	9.6	4.7	510
G0792656		10.85	24.0	0.26	1.3	1.605	0.21	20.7	3.0	1.50	3120	0.24	0.37	11.6	5.6	690
G0792657		10.15	21.1	0.26	1.1	1.835	0.02	23.8	2.1	1.68	3740	0.22	0.05	8.9	8.8	580
G0792658		2.93	15.05	0.18	1.6	0.074	1.48	16.1	4.1	1.43	1030	1.25	3.89	8.0	30.7	690
G0792659		9.38	19.75	0.26	1.3	1.880	0.13	19.8	1.9	2.01	2400	0.80	0.13	9.9	0.5	1010
G0792660		6.62	15.10	0.17	1.2	1.550	0.03	29.1	2.2	3.58	2180	0.26	0.05	6.1	1.6	1330
G0792661		7.14	9.00	0.18	0.9	0.738	0.05	30.1	4.2	6.74	2700	0.22	0.10	5.3	10.2	1070
G0792662		7.88	9.85	0.17	0.7	1.055	0.02	12.5	2.7	6.07	2320	0.30	0.07	2.7	11.7	400
G0792663		5.64	5.21	0.13	0.5	0.076	<0.01	3.4	18.4	4.86	694	0.77	0.02	1.5	10.3	360
G0792664		11.80	1.91	0.20	0.1	0.021	0.01	1.4	5.8	3.49	1090	0.49	0.01	0.6	5.2	80
G0792665		6.55	8.60	0.15	0.7	0.074	0.06	6.2	32.4	8.42	1240	2.82	0.17	2.2	23.5	560
G0792666		8.23	2.15	0.14	0.1	0.036	0.01	0.6	3.6	1.78	1500	2.04	0.02	0.4	8.8	70
G0792667		48.1	4.97	0.98	0.2	0.027	0.02	0.7	2.4	2.55	1260	0.19	0.03	0.9	10.4	150
G0792668		>50	3.75	1.05	0.1	0.014	0.02	<0.5	0.7	1.11	1070	0.15	0.01	1.0	5.8	10
G0792669		1.66	0.32	0.05	<0.1	<0.005	<0.01	<0.5	0.7	0.81	148	0.13	<0.01	0.3	<0.2	20
G0792670		4.09	14.10	0.13	1.6	0.062	1.42	13.8	3.3	1.40	967	1.06	3.58	7.2	27.5	660
G0792671		4.79	1.34	0.10	0.1	0.013	0.01	0.7	4.5	2.10	761	0.19	0.01	0.5	3.7	100
G0792672		40.2	5.94	0.72	0.3	0.137	0.13	1.0	5.4	6.83	4070	0.11	0.04	1.1	17.6	220
G0792673		3.39	1.13	0.07	0.1	0.026	0.04	0.5	2.4	2.94	950	0.07	0.02	0.4	1.8	40
G0792674		45.6	5.05	0.88	0.2	0.092	0.12	0.7	2.5	3.90	2920	0.12	0.05	0.9	7.9	90
G0792675		0.64	0.33	<0.05	<0.1	0.005	<0.01	<0.5	0.5	1.20	543	0.08	0.01	0.1	<0.2	30
G0792676		6.31	11.95	0.13	0.8	0.315	0.37	7.7	3.0	1.61	2230	0.63	0.54	2.5	8.5	850
G0792677		23.5	1.72	0.39	0.3	0.280	0.01	<0.5	0.8	5.29	1650	0.25	0.02	0.5	186.0	80
G0792678		7.84	13.45	0.18	1.3	0.223	0.30	5.8	4.6	2.67	2320	1.28	1.36	2.7	37.3	750
G0792679		10.40	12.20	0.21	1.8	0.647	0.17	44.5	2.2	1.81	5760	0.24	0.41	6.7	28.8	40
G0792680		8.88	16.65	0.19	1.4	1.285	0.09	28.2	3.6	2.61	2090	0.16	0.27	4.9	28.0	100
G0792681		8.32	7.91	0.22	0.5	0.038	0.12	1.0	5.4	12.95	1340	0.58	0.70	0.6	1050	160
G0792696		7.86	16.85	0.21	1.3	1.385	0.08	32.3	2.8	2.15	1920	0.17	0.23	4.9	31.2	90
G0792650		41.2	11.85	1.69	0.2	0.779	0.03	6.6	1.0	0.31	3810	0.65	0.02	1.2	84.8	50

***** See Appendix Page for comments regarding this certificate *****

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To: PACIFIC IRON ORE CORPORATION
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CALGARY AB T2P 4H2

Finalized Date: 28-JUL-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11123100

Sample Description	Method Analyte Units LOR	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.2	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
G0792518		4.1	29.4	0.002	0.08	0.79	14.2	2	2.6	746	0.58	<0.05	2.6	0.515	0.09	1.6
G0792519		3.0	51.7	0.003	0.06	0.71	13.9	2	4.0	672	0.61	<0.05	3.9	0.519	0.10	4.6
G0792540		4.8	26.7	<0.002	0.10	0.74	13.7	3	2.8	897	0.55	<0.05	2.4	0.530	0.07	2.7
G0792648		3.7	30.8	<0.002	0.09	2.16	12.0	2	3.1	539	0.65	<0.05	3.5	0.385	0.09	0.9
G0792649		4.8	3.1	<0.002	1.39	1.91	3.7	3	4.5	718	0.30	0.25	0.8	0.152	0.02	1.6
G0792651		3.1	24.6	<0.002	0.18	0.70	6.1	2	3.6	680	0.43	<0.05	4.0	0.227	0.09	4.0
G0792652		3.0	21.8	<0.002	0.02	0.75	8.0	2	2.2	862	0.68	<0.05	4.5	0.323	0.13	2.3
G0792653		5.5	99.7	<0.002	0.06	0.12	11.2	2	3.7	177.5	0.85	<0.05	7.4	0.429	0.38	2.3
G0792654		1.3	2.4	<0.002	0.04	0.36	5.2	2	4.1	158.5	0.36	<0.05	2.4	0.220	<0.02	2.4
G0792655		4.5	18.6	<0.002	0.21	0.43	8.2	2	2.8	1055	0.50	<0.05	3.6	0.312	0.06	3.0
G0792656		5.9	7.2	<0.002	0.26	1.06	8.4	2	4.0	1310	0.67	<0.05	4.9	0.387	0.03	6.9
G0792657		2.5	0.9	<0.002	0.09	0.81	6.7	2	4.3	1085	0.49	<0.05	4.7	0.284	<0.02	7.5
G0792658		2.9	29.1	<0.002	0.08	0.25	14.0	2	1.3	380	0.46	<0.05	3.5	0.405	0.15	1.2
G0792659		3.0	6.0	<0.002	0.04	0.76	10.6	2	5.3	1210	0.57	<0.05	6.0	0.436	0.02	8.5
G0792660		2.9	1.4	<0.002	0.02	0.74	10.2	2	5.2	994	0.33	<0.05	4.0	0.415	<0.02	7.8
G0792661		1.8	1.9	<0.002	0.13	0.50	8.1	1	2.8	447	0.31	<0.05	3.0	0.288	<0.02	4.0
G0792662		1.5	0.8	<0.002	0.18	0.67	3.4	1	3.2	681	0.18	<0.05	2.5	0.134	<0.02	7.7
G0792663		2.5	0.3	0.006	1.90	0.21	7.7	2	0.6	653	0.07	<0.05	0.7	0.148	0.05	2.5
G0792664		0.5	1.2	0.005	0.69	0.12	3.0	1	<0.2	569	<0.05	<0.05	0.2	0.043	0.03	1.4
G0792665		1.4	2.2	0.009	1.63	0.31	16.3	2	0.6	542	0.10	<0.05	1.2	0.274	0.07	2.7
G0792666		0.9	0.3	0.003	0.86	0.15	3.3	2	<0.2	912	<0.05	<0.05	<0.2	0.040	0.02	2.2
G0792667		0.8	0.7	0.003	1.21	0.35	6.2	1	0.4	56.9	<0.05	<0.05	<0.2	0.107	0.03	0.2
G0792668		1.8	1.1	0.004	5.05	0.55	0.6	1	0.2	14.1	<0.05	0.14	<0.2	0.010	0.10	0.1
G0792669		<0.5	0.1	0.002	0.20	<0.05	0.4	1	<0.2	283	<0.05	<0.05	<0.2	0.005	<0.02	3.0
G0792670		2.7	23.9	<0.002	0.11	0.26	12.8	1	1.2	332	0.44	<0.05	2.9	0.378	0.15	1.2
G0792671		0.5	0.9	0.002	0.76	0.11	2.0	2	<0.2	2190	<0.05	<0.05	<0.2	0.038	0.02	2.1
G0792672		1.1	11.9	<0.002	0.47	0.36	3.9	1	0.7	356	<0.05	<0.05	<0.2	0.138	0.10	0.3
G0792673		<0.5	3.8	<0.002	0.31	0.10	1.4	1	0.2	1945	<0.05	<0.05	<0.2	0.020	0.04	1.2
G0792674		1.2	12.9	<0.002	0.88	0.26	2.3	1	1.1	263	<0.05	<0.05	<0.2	0.055	0.08	0.3
G0792675		<0.5	0.4	<0.002	0.09	<0.05	0.4	2	<0.2	2540	<0.05	<0.05	<0.2	0.005	<0.02	1.6
G0792676		0.7	13.9	0.002	0.88	0.44	16.2	2	1.2	1210	0.11	<0.05	1.1	0.322	0.07	1.1
G0792677		1.4	0.5	0.008	>10.0	0.14	2.0	7	4.6	45.6	<0.05	0.53	0.2	0.030	0.09	0.5
G0792678		1.4	9.3	0.004	0.82	0.33	25.8	2	3.1	417	0.13	<0.05	1.1	0.390	0.03	1.6
G0792679		1.0	6.8	<0.002	0.11	0.93	6.9	1	3.7	343	0.52	<0.05	5.6	0.110	0.03	5.6
G0792680		2.0	4.5	<0.002	0.75	1.72	2.3	2	2.4	1180	0.48	0.06	6.3	0.094	0.02	21.5
G0792681		0.5	1.0	<0.002	0.20	0.13	23.7	1	0.3	134.0	<0.05	<0.05	<0.2	0.227	0.05	0.1
G0792696		2.1	4.2	0.002	0.60	2.07	1.4	2	2.4	1105	0.46	0.06	5.1	0.077	0.02	20.3
G0792650		1.6	1.1	<0.002	0.62	0.78	0.4	1	2.2	314	<0.05	0.13	0.5	0.024	0.03	2.6

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

ALS Minerals

To: PACIFIC IRON ORE CORPORATION
4615 - 400 3RD AVENUE SW
CALGARY AB T2P 4H2

Finalized Date: 28-JUL-2011
Account: PJV

Project: Pearson-Bugaboo

CERTIFICATE OF ANALYSIS VA11123100

Sample Description	Method Analyte Units LOR	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5	Fe-OG62 Fe % 0.01
G0792518		46	1.2	42.5	65	20.7	
G0792519		38	1.2	47.8	58	22.7	
G0792540		72	1.8	45.1	99	31.3	
G0792648		66	3.8	39.3	84	30.4	
G0792649		32	21.6	21.9	239	28.9	
G0792651		32	3.5	32.7	108	25.0	
G0792652		37	10.9	37.6	47	20.2	
G0792653		39	0.9	56.8	55	27.2	
G0792654		53	1.0	45.1	46	66.5	
G0792655		71	1.1	36.5	55	38.4	
G0792656		55	1.1	37.7	76	31.3	
G0792657		54	0.7	40.0	59	28.9	
G0792658		71	1.6	33.9	61	62.5	
G0792659		55	0.7	46.3	63	33.4	
G0792660		40	1.1	34.7	60	31.9	
G0792661		26	0.9	20.2	122	22.2	
G0792662		27	0.5	21.4	66	19.5	
G0792663		52	1.0	7.6	49	18.2	
G0792664		18	0.6	2.1	42	3.6	
G0792665		101	1.8	13.0	113	25.4	
G0792666		26	2.2	1.8	33	3.4	
G0792667		55	0.7	3.7	63	4.6	47.0
G0792668		13	1.0	0.7	76	2.1	63.0
G0792669		4	0.1	0.4	14	1.0	
G0792670		64	1.7	30.7	55	60.0	
G0792671		15	0.3	1.8	29	3.4	
G0792672		63	1.7	2.8	263	8.3	40.5
G0792673		7	0.5	1.4	51	4.3	
G0792674		28	1.0	2.2	186	4.8	45.1
G0792675		2	0.1	0.3	7	0.6	
G0792676		130	2.4	16.0	34	23.5	
G0792677		10	13.9	2.5	61	7.3	23.6
G0792678		194	6.1	23.9	54	46.5	
G0792679		63	4.0	29.1	31	50.9	
G0792680		53	0.6	50.1	47	38.8	
G0792681		145	0.2	12.4	86	18.6	
G0792696		50	0.4	38.3	40	35.0	
G0792650		17	24.0	9.0	314	6.5	39.4

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Method	CERTIFICATE COMMENTS
ME-MS61	Interference: Ca>10% on ICP-MS As,ICP-AES results shown.
ME-MS61	REE's may not be totally soluble in this method.