


Ministry of Energy & Mines
Energy & Minerals Division
Geological Survey Branch

**ASSESSMENT REPORT
TITLE PAGE AND SUMMARY**

TITLE OF REPORT [type of survey(s)] 2010-11 Diamond Drilling on Claim 541653, Red Chris property near Iskut, B.C.	TOTAL COST \$220,883
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AUTHOR(S) Chris Rees, P.Geol. SIGNATURE(S) 

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S) MX-1-437 YEAR OF WORK 2010-11

STATEMENT OF WORK - CASH PAYMENT EVENT NUMBER(S)/DATE(S) 5116978 / October 31, 2011

PROPERTY NAME Red Chris

CLAIM NAME(S) (on which work was done) 541653

COMMODITIES SOUGHT Copper, Gold, Silver

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN 104H 005

MINING DIVISION Liard NTS 104H12/W BCGS: 104H061

LATITUDE 57 ° 42 ' 09 " LONGITUDE 129 ° 47 ' 20 " (at centre of work)

OWNER(S)
1) Red Chris Development Company Ltd. 2) _____

MAILING ADDRESS
200-580 Hornby Street
Vancouver, BC V6C 3B6

OPERATOR(S) [who paid for the work]
1) Red Chris Development Company Ltd. 2) _____

MAILING ADDRESS
200-580 Hornby Street
Vancouver, BC V6C 3B6

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):
Monzodiorite, Late Triassic, Stikinia, Red stock, Stuhini Group, porphyry, potassic alteration, sericitic alteration, argillic alteration, quartz veins, porphyry copper, pyrite, chalcopyrite

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS Ferreira, L. (2008), Assessment report 29900; Ferreira, L. (2009), Assessment report 30868; Rees, C. (2011), Assessment report 31952.

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping _____			
Photo interpretation _____			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic _____			
Electromagnetic _____			
Induced Polarization _____			
Radiometric _____			
Seismic _____			
Other _____			
Airborne _____			
GEOCHEMICAL			
(number of samples analysed for ...)			
Soil _____			
Silt _____			
Rock _____			
Other _____			
DRILLING			
(total metres; number of holes, size)			
Core <u>1,016.51 metres; 1 drill hole, HQ & NQ</u>		541653	\$187,043
Non-core _____			
RELATED TECHNICAL			
Sampling/assaying <u>686</u>		541653	\$27,840
Petrographic _____			
Mineralographic _____			
Metallurgic _____			
PROSPECTING (scale, area) _____			
PREPARATORY/PHYSICAL			
Line/grid (kilometres) _____			
Topographic/Photogrammetric (scale, area) _____			
Legal surveys (scale, area) _____			
Road, local access (kilometres)/trail _____			
Trench (metres) _____			
Underground dev. (metres) _____			
Other <u>Report preparation, administration, overheads</u>		541653	\$6,000
TOTAL COST			\$220,883

ASSESSMENT REPORT
ON
2010-11 DIAMOND DRILLING
ON
CLAIM 541653
RED CHRIS PROPERTY,
NEAR ISKUT, B.C.

LIARD MINING DIVISION

NTS 104H/12W

LATITUDE 57° 42' 09''
LONGITUDE 129° 47' 20''

UTM 452989E, 6395846N (NAD 83)
Zone 9

OWNER and OPERATOR:
Red Chris Development Company Ltd.
Suite 200-580 Hornby Street,
Vancouver, B.C. V6C 3B6

By: Chris Rees, P.Geo.

Date: February 9, 2012

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SUMMARY

Red Chris is a porphyry copper-gold deposit in northwestern British Columbia. It is operated by Red Chris Development Company Ltd., a wholly owned subsidiary of Imperial Metals Corporation. Red Chris has an open pit reserve of 301 million tonnes grading 0.359% copper and 0.274 g/t gold, and the project is at the advanced stages of government permitting and mine planning.

The deposit is hosted by a Late Triassic intrusion called the Red stock, ranging in composition from diorite to quartz monzonite. Mineralization consists of chalcopyrite-bornite mainly associated with quartz veins. Significant mineralization continues at depth within the stock, well below the open pit reserve. Exploration since 2007 has been focussed on deep diamond drilling which has considerably expanded the below-pit resources, and the results will serve to optimize pit design and guide long-term mine planning.

This assessment report describes the results of one deep, vertical drill hole totalling 1,016.51 metres, completed in 2011 on claim 541653. The hole was drilled in the southwest of the projected open pit footprint, and provided useful information on the depths of critical geological and structural contacts, as well as on mineralization in an under-explored part of the Red stock. Upper levels of the stock are strongly altered and pyritic, but returned uniformly very low values of copper, gold, silver and molybdenum. Beneath about 575 metres below surface the grade improved, but anomalous sample intervals are sporadic and short rather than sustained over significant lengths. Mineralization occurs in intrusives and in lenses of sedimentary and volcanic rocks. Copper assayed generally less than 0.03%; the maximum assay was 0.142%, at 917.5 metres. Gold rarely exceeds 0.1 g/t, recording maximum assays of 0.28 and 0.445 g/t in isolated samples. There is no obvious control on the location of the better mineralization, and it appears that this area is marginal to the main body of contiguous mineralization at Red Chris.

Costs submitted here in support of the drilling program were \$220,883.

1. INTRODUCTION

Red Chris is an undeveloped porphyry copper-gold deposit in northwestern British Columbia, owned and operated by Red Chris Development Company Ltd. ('RCDC'), a wholly owned subsidiary of Imperial Metals Corporation ('Imperial') of Vancouver, B.C. Red Chris has a proven and probable reserve of 301.5 million tonnes grading 0.359% copper and 0.274 g/t gold (Imperial Metals, 2010). The project was approved for mine development under the Federal and Provincial Environmental Assessment Process in July 2005.

Mining will support a 30,000 tonne per day open pit operation, pending permitting by the provincial government. On receipt of the mine permit, plant construction will begin and mining and milling is scheduled to start in 2014, coincident with the anticipated completion of the Northwest Transmission Line along Highway 37 which will allow access to the B.C. Hydro electricity grid via a company-built power line extension from the highway to the mine site.

Imperial acquired Red Chris in early 2007 and has been conducting exploration since then, focussed on deep diamond drilling beneath the projected open pit ore body in order to test the vertical extent and grade of mineralization for long-term mine planning. Large-capacity diamond drill rigs are used to drill holes to around 1,500 metres in length, along with conventional rigs with somewhat shallower target depths. Although drilling to these depths can be time-consuming and costly, the information is invaluable for optimizing development plans.

This assessment report describes the geological rationale, implementation and results of a deep drill hole completed in 2011 totalling 1,016.51 metres, within the perimeter of the projected Red Chris open pit.

2. LOCATION, ACCESS AND PHYSIOGRAPHY

Red Chris is in northwestern British Columbia, 18 km (by air) southeast of the village of Iskut and approximately 80 km south of the town of Dease Lake, both of which lie on the paved Stewart-Cassiar highway or Highway 37 (Figs. 1, 2). Commercial aircraft service Dease Lake, and the Bob Quinn airstrip 111 km south of Iskut along Highway 37. There is a gravel airstrip at Iskut.

Road access to Red Chris is first via a gravel road which turns off Highway 37 approximately 13 km south of Iskut (Fig. 3). After 6 km on this road, the 17-km long temporary access trail to Red Chris branches off to the southeast. About 800 metres after that turn-off, the access trail crosses a bridge over Coyote Creek, where a barrier is located and serves to restrict public access. The access trail climbs from Coyote Creek onto the Todagin plateau, to where the main exploration and proposed development area is located.

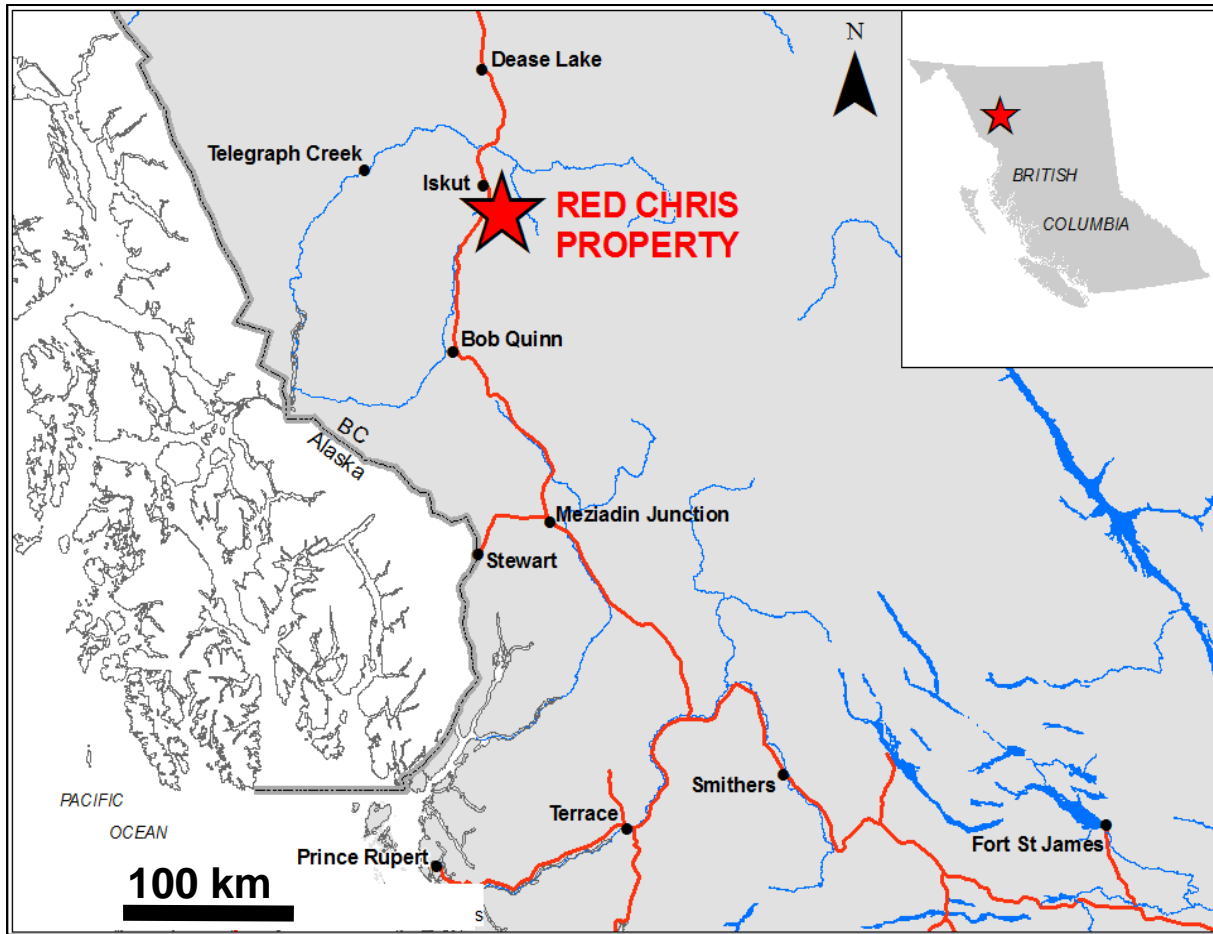


Fig. 1: Location of the Red Chris property in northwestern British Columbia, and road access via Highway 37.

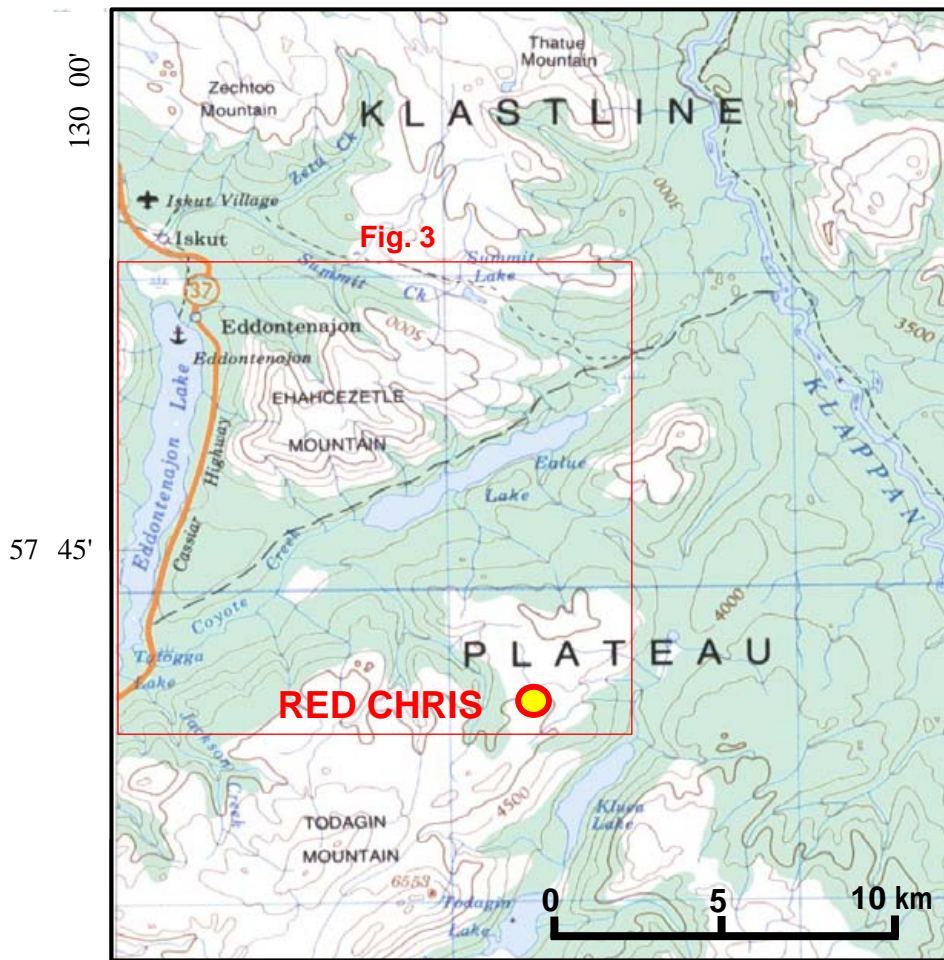


Fig. 2: Physiographic setting of Red Chris in NTS 104H.

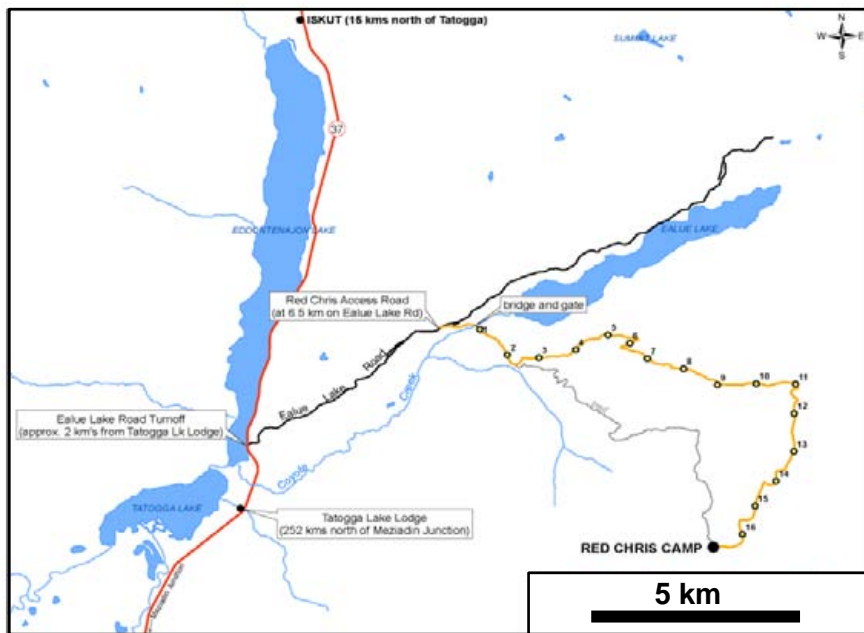


Fig. 3: Road access to Red Chris from Highway 37.

Red Chris is situated on the eastern portion of the Todagin upland plateau which forms a subdivision of the Klastine Plateau along the northern margin of the Skeena Mountains (Fig. 2). The property lies between Eddontenajon Lake to the west and the Klappan River to the east.

This part of the Todagin plateau averages 1,500 metres in elevation and is primarily above tree-line, and consists of gently undulating terrain covered by a thin layer of glacial till. Vegetation consists of grass and willow thickets, and the plateau is riddled with post-glacial meltwater channels with small ephemeral streams and a few ponds. The plateau at Red Chris drops down to the west into a steep-sided and rocky gully, and to the east into a more gently sloped valley underlain by greater thicknesses of till, and where the proposed mine's tailings impoundment would be located. Here and at other lower elevations on the property, vegetation consists of several varieties of conifer and deciduous trees including balsam fir, cedar, spruce, and aspen. Red Chris lies in a region of moderate annual precipitation; an average of 406 mm total annual precipitation was measured over a 35-year period at Dease Lake.

3. LAND TENURE

The Red Chris property consists of the 'Red Chris' claims and the 'Red' claims (Fig 4; Table 1). The Red Chris deposit is in the southern half of the property, on the Red Chris claims (the Red claims group covers the remainder of the property, to the north).

The Red Chris claims group consists of 50 mineral tenures covering 9,688.98 hectares (Table 1); there are 18 tenures on the Red claims group. Twenty-five claims which will be in the area of the infrastructure for future mine development have been legally surveyed and have been submitted to the Gold Commissioner for conversion to mining leases, including mineral tenure number 541653 on which the reported drilling was done.

Red Chris Development Company Ltd. (RCDC) has a 100% interest in the Red Chris property, subject to a 1.8% net smelter return royalty by Falconbridge Limited. The 1.8% NSR can be brought down to 1% at any time prior to commencement of commercial production in consideration of \$1,000,000.

4. HISTORY AND PREVIOUS WORK

This is a summary of the history of exploration at Red Chris. More detail up to 2007 is given in Ferreira (2008).

1950s: Staking and prospecting by Conwest Exploration Ltd. on gossans on the Todagin plateau, followed by limited pack-sack drilling.

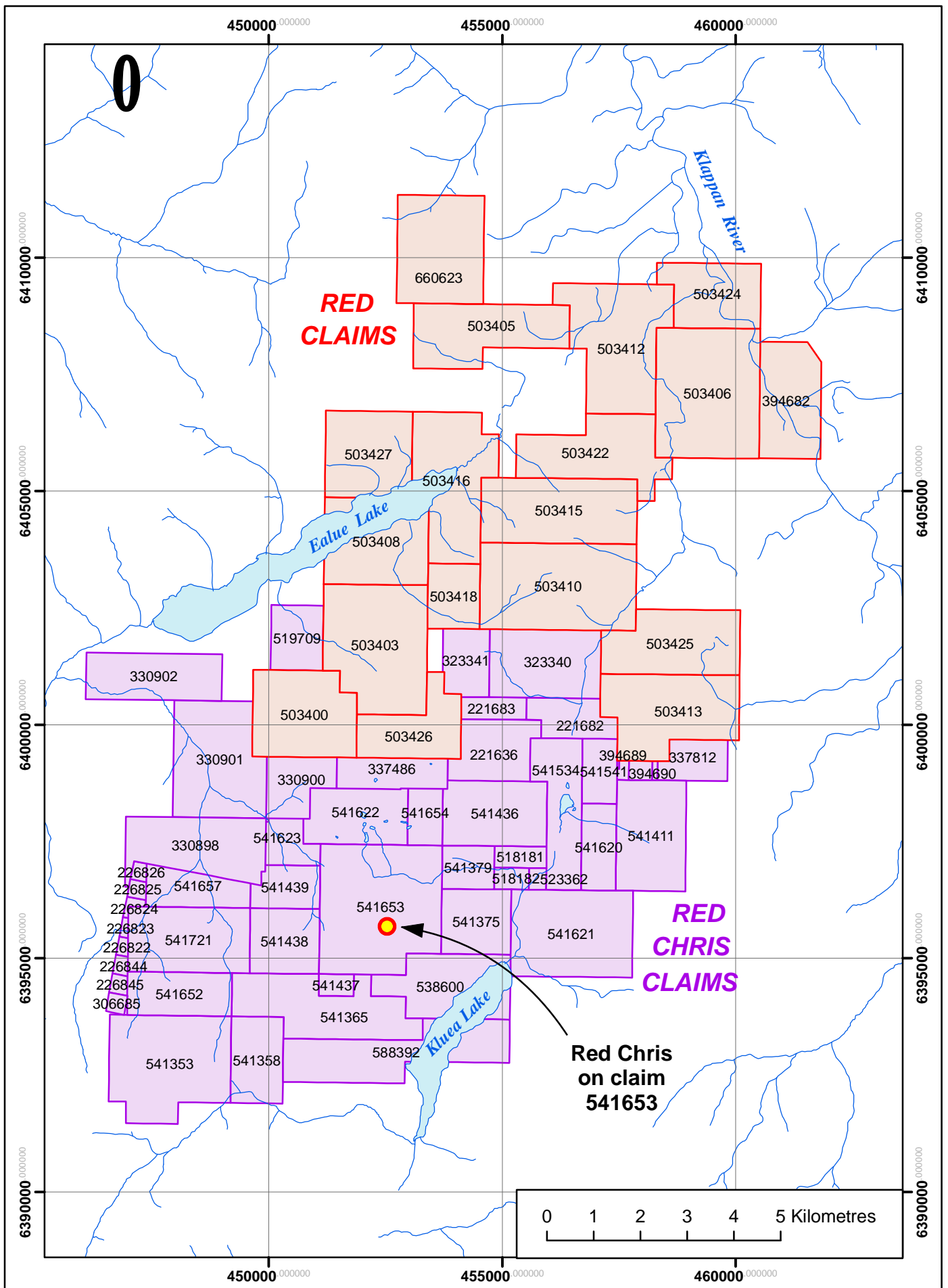


Fig. 4: Claim map of the Red Chris property.

TABLE 1: RED CHRIS CLAIMS ON THE RED CHRIS PROPERTY

Tenure No.	Tenure Name	Area (ha)	Cells/Units	Record Date	Expiry Date	Lease App. Date
221636	Plan EPC 564	300	12	1975/jul/15	2019/jan/11	2010/aug/06
221682	Plan EPC 562	219	12	1976/jul/07	2019/jan/11	2010/aug/31
221683	Plan EPC 562	71	3	1976/jul/07	2019/jan/11	2010/aug/31
226822	MONEY #32	25	1	1968/sep/30	2021/oct/31	
226823	MONEY #34	25	1	1968/sep/30	2021/oct/31	
226824	MONEY #36	25	1	1968/sep/30	2021/oct/31	
226825	MONEY #38	25	1	1968/sep/30	2021/oct/31	
226826	MONEY #40	25	1	1968/sep/30	2021/oct/31	
226844	MONEY #59	25	1	1968/sep/30	2021/oct/31	
226845	MONEY #61	25	1	1968/sep/30	2021/oct/31	
306685	MONEY #63	25	1	1968/sep/30	2021/oct/31	
323340	Plan EPC 562	387	20	1994/jan/17	2019/jan/11	2010/aug/31
323341	RC-5	200	8	1994/jan/16	2021/oct/31	
330898	ABM - 1	450	18	1994/sep/11	2021/oct/31	
330900	ABM - 3	225	9	1994/sep/11	2021/oct/31	
330901	ABM-4	500	20	1994/sep/12	2021/oct/31	
330902	ABM - 5	300	12	1994/sep/13	2021/oct/31	
337486	Plan EPC 561	198	10	1995/jun/29	2019/jan/11	2010/aug/06
337812	Plan EPC 562	150	6	1995/jul/08	2019/jan/11	2010/aug/31
394689	Plan EPC 562	12	1	2002/jun/17	2019/jan/11	2010/aug/31
394690	Plan EPC 562	24.7	1	2002/jun/17	2019/jan/11	2010/aug/31
394691	Plan EPC 562	5.46	1	2002/jun/17	2019/jan/11	2010/aug/31
518181	Plan EPC 562	51.8	3	2005/jul/22	2019/jan/11	2010/aug/31
518182	Plan EPC 562	34.6	2	2005/jul/22	2019/jan/11	2010/aug/31
519709	EALUE	155.403	9	2005/sep/06	2021/oct/31	
523362	Plan EPC 562	17.3	1	2005/dec/02	2019/jan/11	2010/aug/31
538600		345.998	20	2006/aug/03	2021/oct/31	
541353		536.517	31	2006/sep/15	2021/oct/31	
541358		207.685	12	2006/sep/15	2021/oct/31	
541365		415.254	24	2006/sep/15	2021/oct/31	
541375	Plan EPC 562	207	12	2006/sep/15	2019/jan/11	2010/aug/31
541379	Plan EPC 562	104	6	2006/sep/15	2019/jan/11	2010/aug/31
541411	Plan EPC 562	353	24	2006/sep/15	2019/jan/11	2010/aug/31
541436	Plan EPC 564	273	18	2006/sep/15	2019/jan/11	2010/aug/06
541437		34.601	2	2006/sep/15	2021/oct/31	
541438		207.557	12	2006/sep/15	2021/oct/31	
541439		138.333	8	2006/sep/15	2021/oct/31	
541534	Plan EPC 562	225	16	2006/sep/18	2019/jan/11	2010/aug/31
541541	Plan EPC 562	77.3	6	2006/sep/18	2019/jan/11	2010/aug/31
541620	Plan EPC 562	138	8	2006/sep/19	2019/jan/11	2010/aug/31
541621		484.266	28	2006/sep/19	2021/oct/31	
541622	Plan EPC 561	258	18	2006/sep/19	2019/jan/11	2010/aug/06
541623		155.586	9	2006/sep/19	2021/oct/31	
541652		207.609	12	2006/sep/19	2021/oct/31	
541653	DL 7356, EPC98	691	40	2006/sep/19	2019/jan/11	2006/oct/24
541654	Plan EPC 561	90.1	6	2006/sep/19	2019/jan/11	2010/aug/06
541657		207.491	12	2006/sep/19	2021/oct/31	
541721		363.212	21	2006/sep/20	2021/oct/31	
588392		432.6446	25	2008/jul/17	2021/oct/31	
831148	RC-10-1	34.5613	2	2010/aug/05	2021/oct/31	
Subtotal	50 tenures	9688.9779	528			
	Area (sq km)	96.889779				

TABLE 1 (cont'd.): RED CLAIMS ON THE RED CHRIS PROPERTY

Tenure No.	Tenure Name	Area (ha)	Cells/Units	Record Date	Expiry Date	Lease App. Date
394682	RED 10	375	15	2002/jun/18	2021/oct/31	
503400		397.364	23	2005/jan/14	2021/oct/31	
503403		569.871	33	2005/jan/14	2021/oct/31	
503405		379.252	22	2005/jan/14	2021/oct/31	
503406		620.809	36	2005/jan/14	2021/oct/31	
503408		414.201	24	2005/jan/14	2021/oct/31	
503410	Plan EPC 563	596	36	2005/jan/14	2019/jun/10	2010/aug/06
503412		517.194	30	2005/jan/14	2021/oct/31	
503413	Plan EPC 563	339	26	2005/jan/14	2019/jun/10	2010/aug/06
503415		465.897	27	2005/jan/14	2021/oct/31	
503416		465.823	27	2005/jan/14	2021/oct/31	
503418		155.372	9	2005/jan/14	2021/oct/31	
503422		379.502	22	2005/jan/14	2021/oct/31	
503424		275.77	16	2005/jan/14	2021/oct/31	
503425	Plan EPC 563	319	22	2005/jan/14	2019/jun/10	2010/aug/06
503426		259.17	15	2005/jan/14	2021/oct/31	
503427		345.004	20	2005/jan/14	2021/oct/31	
660623	LIMY	430.79	25	2009/oct/27	2021/oct/31	
Subtotal	18 tenures	7305.019	428			
	Area (sq km)	73.05019				

TOTAL RED CHRIS & RED CLAIMS 68 Tenures 169.94 sq km

Application filed to convert tenures to a mining lease. Area of tenure has been adjusted to reflect approved survey plans.

Late 1960s-early 1970s: Great Plains Development Co. of Canada staked claims, and conducted geological and geochemical surveys, followed by geophysics and diamond drilling.

1970-1971: Silver Standard Mines Ltd. staked claims in the north of the property and did mapping, soil surveys and trenching. Ecstall Mining Limited optioned the claims in 1973 and drilled 14 percussion holes.

1974-1976: In 1974, Texasgulf Canada Ltd. formed an agreement with Silver Standard and Great Plains to acquire an option on 60 per cent of the combined Red and Chris groups of claims, and drilled 67 diamond drill holes (12,284 m) and 30 percussion holes (2,261 m).

1978-1980: Texasgulf drilled 7 shallow holes, and completed property-wide geological, geochemical, and geophysical surveys. An overburden drill and magnetometer surveys were used to delineate the anomalous part of the mineralized intrusive, the Red Stock. This work resulted in the outlining of the 'Main' and 'East' zones of copper-gold mineralization and a resource estimate in 1976.

1981-1993: No exploration. By the end of this period, after a series of corporate takeovers and reorganizations, the property ownership was divided amongst Falconbridge (60%), Norcen Energy (20%), and Teck Corporation (20%).

1994-1995: American Bullion Minerals Ltd. acquired an 80% interest in the property in early 1994 with Teck Corporation retaining the remaining 20%. American Bullion completed mineral claim staking, land surveying, line cutting, soil geochemistry, geophysics, camp construction, and diamond drilling totalling 21,417 m in 58 holes. They also did acid base accounting work, base-line environmental studies, a mineral resource estimate, and petrographic and metallurgical studies. The 1994 exploration vertically extended the known mineralization to a depth of 400 metres over the Main and East zones, and laterally to the west in the 'Gully' and 'Far West' zones. In 1995, another 36,770 metres of diamond drilling over 112 holes further expanded the resource, finding significant near-surface copper-gold mineralization in the Gully and Far West zones.

2003: Under the ownership of bcMetals, an infill drill program of 16,591 metres over 49 holes led to an updated, NI 43-101 compliant resource calculation (released in early 2004).

2004-2005: Further infill drilling (6,927 metres over 25 holes) resulted in a remodelling of the Main and East zones, combining them into a single resource instead of two separate bodies. The Red Chris feasibility study in 2004 calculated an open pit ore reserve of 276 million tonnes grading 0.349% copper and 0.266 g/t gold (updated 2005).

2006: Drilling consisted of 4,679 metres over 14 holes, including geotechnical and due diligence /verification holes over the proposed mine and plant sites. A decision on development of Red Chris was hampered by the lack of an economic source of electrical power. In September, Imperial Metals Corporation's subsidiary CAT-Gold launched a takeover bid of bcMetals.

2007: Imperial Metals obtained control of bcMetals shares in February and subsequently acquired the Red Chris property. The exploration program that summer was focussed on a helicopter-supported deep-drilling program beneath the Main and East zones, totalling 4,835 metres over 6 holes. The most significant result was the discovery of continuous copper-gold mineralization to over 600 metres vertically beneath the bottom of the planned open pit, highlighted by 1.01% copper and 1.26 g/t gold over 1,024.1 metres (from surface) in hole 07-335 in the East zone.

2008: A 17-km long all-weather exploration access road was constructed, followed by camp and infrastructure upgrading. Diamond drilling (2,220 metres over 3 holes) was subsequently begun in the East zone, but due to the late start and adverse drilling conditions or other difficulties, only one hole was able to approach the target depth of 1,500 metres (1,273 metres), and thus able to confirm the presence of deep mineralization.

2009: Comprehensive program of deep diamond drilling, geophysics, and property mapping and shallow core-drilling and sampling. Deep drilling was concentrated in or marginal to the East zone, with over 9 completed holes totalling 11,258 metres. Drilling depth exceeded previous limits, reaching over 1,500 metres, and confirmed high copper-gold grades beneath the 2004/2005 feasibility open pit. A Titan-24 deep imaging IP-MT geophysical survey was done over the main deposit, extending outside the intrusive into bounding rock units. A property-wide aeromagnetic survey and ground magnetometer surveys added to the geophysical database. An array of 138 short diamond drill holes using a small, Bobcat-mounted drill rig covered the Todagin plateau, providing geological and geochemical data for the poorly exposed and underexplored area north of the Red Chris deposit.

2010: Deep drilling to at least 1,000 metres depth beneath the East and Main zones continued in 2010. During the year, 47 exploration holes were drilled for a total of 52,810 metres, extending and expanding the below-pit resources. An updated feasibility study was released in November (Imperial Metals, 2010), although this did not include most of 2010's drill samples because assaying was suspended due to ongoing negotiations to acquire the remaining interest of American Bullion Minerals Ltd. shareholders. Condemnation and geotechnical drilling was done over planned infrastructure sites. Geological mapping clarified the northern, southern and western limits of the Red stock.

2011: The deep-drilling program over the East and Main zones begun in 2010 was completed in April, 2011. Exploration drilling resumed at intervals during the remainder of the year, this time in new areas to the east of the proposed open pit, and also 1.5 km to

the west in the Gully zone where the discovery of deeper mineralization there revealed the potential for further resource expansion. Shallow drilling through overburden on the Todagin plateau and other areas around the Red stock with a Bobcat-mounted rig assisted in geological interpretation and delineation of the hydrothermal system.

5. REGIONAL AND PROPERTY GEOLOGY

Regional Setting

Red Chris is situated in northern British Columbia within the accreted terrane of Stikinia (Fig. 5). This terrane forms a broad northwesterly trending area in the centre of the Canadian Cordillera from southern British Columbia into southwestern Yukon, and forms a major part of the 'Intermontane Belt'. Stikinia is dominated by early Mesozoic island arc volcanic strata and related intrusions, overlying a basement of Late Paleozoic metasedimentary and metavolcanic rocks known as Stikine Assemblage. In northern B.C., the Mesozoic arc rocks are the Late Triassic Stuhini Group, and the Early to Middle Jurassic Hazelton Group. Both the Stuhini and Hazelton assemblages formed in oceanic arcs outboard of the North American paleocontinental margin (now represented by the Omineca Belt), in response to east-directed, and possibly west-directed, subduction. Hazelton arc(s) construction included an episode of interarc extension and subsidence related to the migration and docking of the Stikinia microplate against the North American margin in the Early to Middle Jurassic.

The Stuhini Group consists of submarine basaltic to andesitic volcanics and volcanoclastics, and related sedimentary rocks. The Hazelton Group is a diverse assemblage of bimodal, basaltic to rhyolitic subaerial and submarine volcanic rocks and related sediments, and may be a composite of two subparallel arcs and an intervening rift-basin(s) (Evenchick and Thorkelson, 2005). There was a deformation event in the latest Triassic to earliest Jurassic. Regionally, both the Stuhini and Hazelton groups host significant mineral deposits related to Late Triassic and/or Early to Middle Jurassic intermediate intrusions, or to volcanogenic hydrothermal activity.

Stikinia's accretion involved the inboard trapping of ocean floor rocks represented by the Cache Creek terrane, now interposed between Stikinia and the Omineca Belt. Ensuing crustal shortening thrust the Cache Creek terrane southwestwards onto Stikinia, producing a marine to non-marine flexural basin, the Bowser Basin (Fig. 5), on its southwestern front into which chert clast-rich sediments (derived from the Cache Creek Group) were deposited, accumulating as the Middle Jurassic to Early Cretaceous Bowser Lake Group. All units were affected by Early to Late Cretaceous tectonism of the Skeena Fold Belt, although this is best displayed in fold and thrust structures in the well bedded strata of the Bowser Basin (see Evenchick and Thorkelson, 2005).

Red Chris is in a Late Triassic stock intruding the Stuhini Group, just beyond the northern edge of the Bowser Basin (Fig. 6).

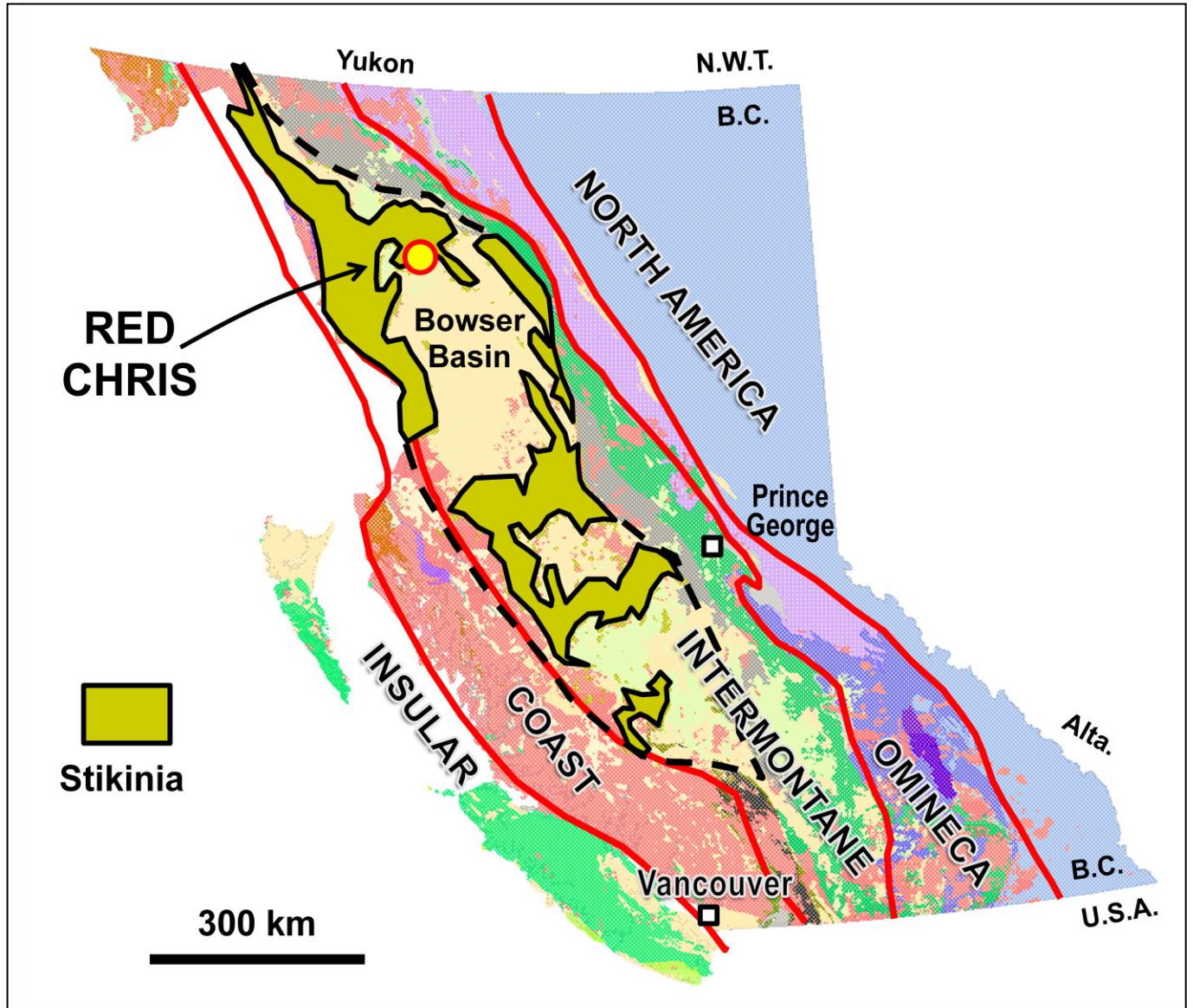


Fig. 5: Tectonostratigraphic belts of the Canadian Cordillera, showing the location of Red Chris in the terrane of Stikinia in the Intermontane Belt, north of the Bowser Basin.

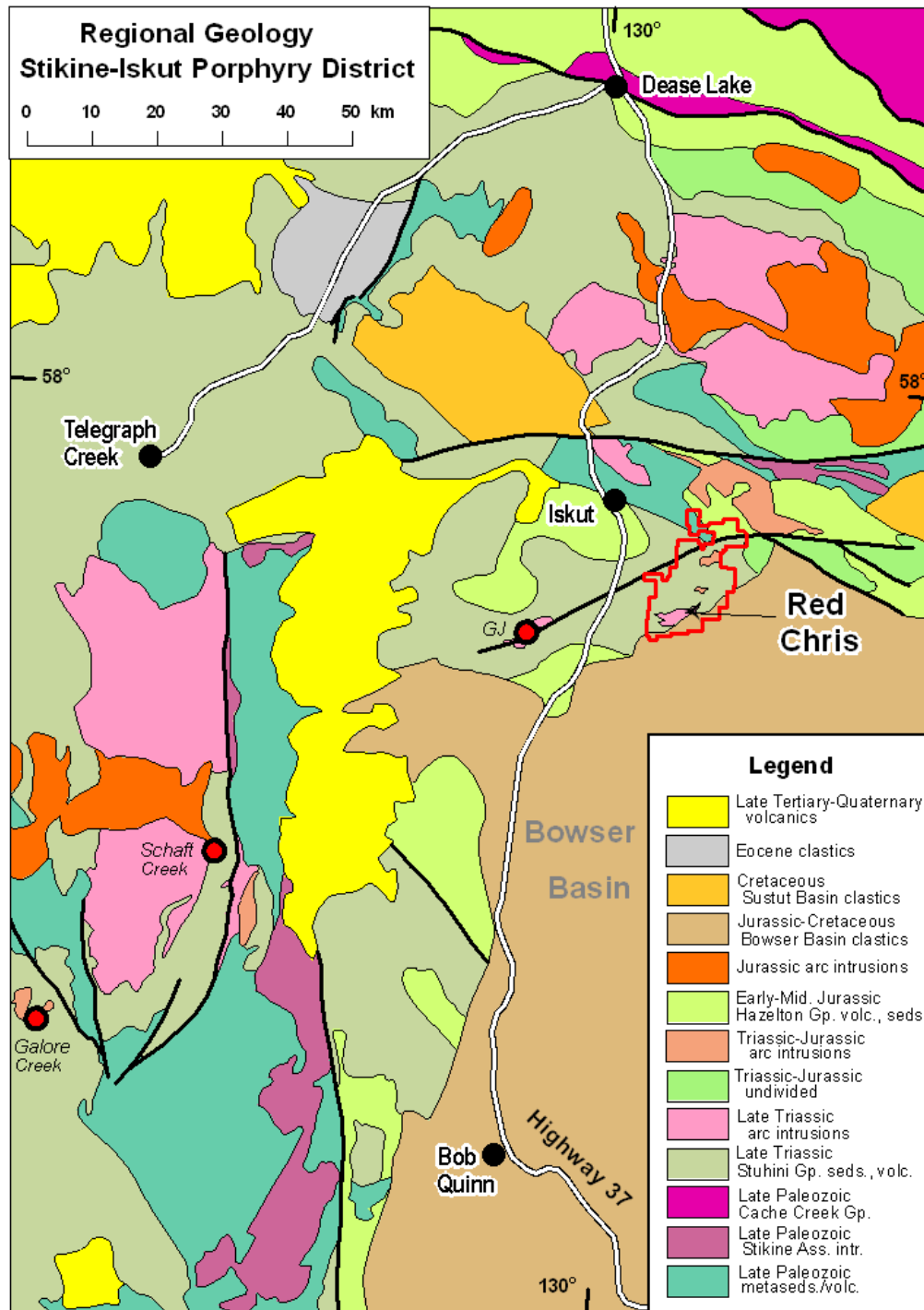


Fig. 6: Regional geology in northwestern British Columbia, showing the location of the Red Chris property on the northwestern edge of the Bowser Basin, just east of Highway 37. Several other notable porphyry copper deposits in the district are shown for reference (red circles).

Property Geology Overview

The rocks around the Red Chris property were first mapped at 1:50,000 scale by the British Columbia Geological Survey (Ash *et al.* 1995, 1996, 1997a,b). Adjacent areas were covered by the Geological Survey of Canada (see Evenchick and Thorkelson, 2005; Read, 1984; Read and Psutka, 1990). The property geology map (Fig. 7) was compiled from these sources in addition to mapping by the author. Useful references on the Red Chris deposit itself include a technical report by Giroux *et al.* (2002), and publications by Newell and Peatfield (1995) and Baker *et al.* (1997).

The southern half of the Red Chris property is underlain mostly by Stuhini Group sedimentary and volcanic rocks, cut by numerous Triassic-Jurassic intermediate dikes and small stocks, the largest of which is the Red stock which hosts the Red Chris mineralization (Fig. 7). The southeast edge of the plateau is flanked by a small ridge formed by Middle Jurassic Bowser Lake Group, which was originally deposited unconformably on the Red stock and the Stuhini Group, but was later downfaulted against them. Paraconformable Hazelton Group rocks locally intervene between the Bowser Lake Group and the Red stock. Other rocks in the far southwest of the property overlying the Stuhini Group may also belong to the Hazelton Group, or to an intermediary, unnamed Triassic-Jurassic volcanic-sedimentary unit.

The northern half of the property is largely in lower topography, sloping towards the broad Klappan River plain, where the geology is less well known due to limited rock exposure. A mountain above the Ealue Lake valley to the east is underlain by Stuhini Group and an Early Jurassic intrusion called the Ealue Stock. North and northwest of Ealue Lake are mainly volcanic rocks assigned to the undifferentiated Triassic-Jurassic unit (although most here are probably Stuhini Group), and a narrow belt of Stikine Assemblage. A northeast-trending fault is inferred to follow the trace of Coyote Creek and the Ealue Lake valley. It continues to the east for an additional 30 kilometres where it has been designated the McEwan Creek Fault with a south side down movement sense.

Bedding attitudes in the Stuhini Group on the property are typically moderate to steep, dipping and younging to the east or northeast. This is believed to be due to Late Triassic deformation which pre-dated intrusion of the Red stock and related dikes, mainly because the intrusions are relatively upright and less deformed than their Stuhini host rocks. Unconformably overlying Jurassic strata of the upper Hazelton Group and the Bowser Lake Group have gentle dips between southeast and southwest related to Skeena Fold Belt deformation in the Late Cretaceous to Early Tertiary (Evenchick and Thorkelson, 2005).

Metamorphic grade in the Stuhini is very low (subgreenschist) although there is hornfelsing around intrusions locally. The Stikine Assemblage is in greenschist facies due to deformation and regional metamorphism in the Late Paleozoic. The Hazelton and Bowser Lake groups are unmetamorphosed.

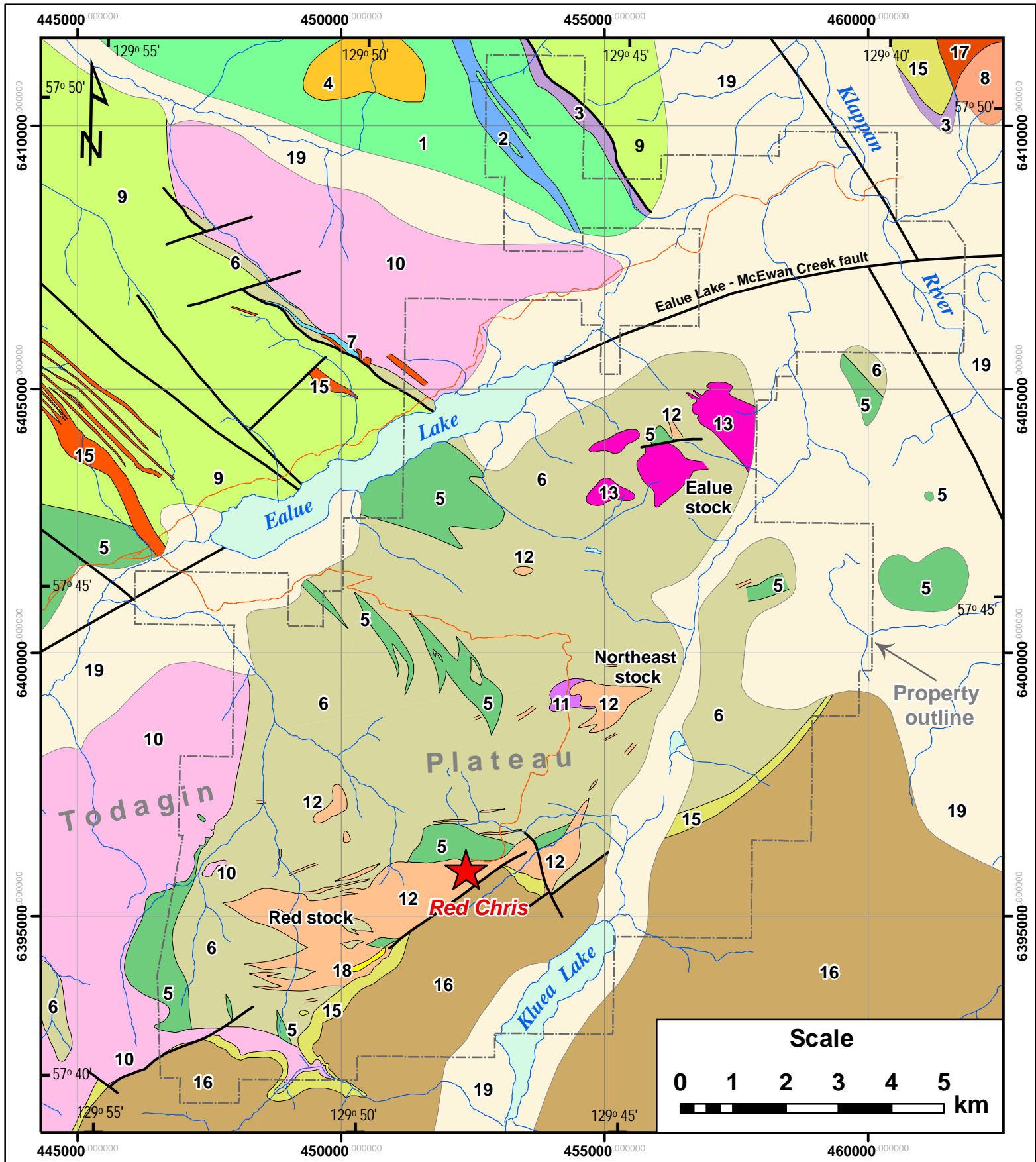


Fig. 7: Geology of the Red Chris property and surrounding area (Legend on next page).

STRATIFIED ROCKS

QUATERNARY

19 *Glacial and post-glacial sediments*

MIOCENE-PLIOCENE

Maitland Volcanics

18 *Olivine basalt*

MIDDLE JURASSIC

Bowser Lake Group

16 *Sandstone, siltstone, conglomerate*

EARLY TO MIDDLE JURASSIC

Hazelton Group

14 *Siltstone, sandstone, minor limestone*

LATE TRIASSIC - EARLY JURASSIC

10 *Andesitic volcanics, volcaniclastics*

9 *Basaltic to andesitic volcanics, sediments, volcaniclastics*

LATE TRIASSIC

Stuhini Group

7 *Limestone*

6 *Sandstone, siltstone*

5 *Basaltic-andesitic volcanics, volcaniclastics*

LATE PALEOZOIC

Stikine Assemblage

3 *Mafic volcanics, greenstone*

2 *Limestone, dolostone*

1 *Metavolcanics, metasediments*

INTRUSIVE ROCKS

JURASSIC - TERTIARY

17 *Leucogranite, quartz monzonite*

EARLY JURASSIC

15 *Alkali granite*

LATE TRIASSIC - EARLY JURASSIC

13 *Equigranular diorite, monzodiorite*

12 *Porphyritic diorite, monzodiorite, monzonite*

11 *Diorite*

LATE TRIASSIC

8 *Monzodiorite*

EARLY MISSISSIPPIAN

4 *Granodiorite, diorite*

SYMBOLS



Fig. 7 (cont.): Legend for Red Chris property geology map (previous page).

6. RED CHRIS DEPOSIT GEOLOGY

Geological setting

Ore-grade mineralization at Red Chris is presently restricted to the east-central part of the Red stock (Figs. 7, 8). The stock is elongate in an ENE direction, and may have been intruded into the Stuhini Group along a syn-arc fault structure. Its known extent is at least 6.5 km long by up to 1.5 km in width at the surface. The intrusive suite tapers to narrow dikes in the northeast and in the west, several kilometres away from the Red Chris deposit. Friedman and Ash (1997) reported that four zircon fractions from drill core from the stock were dated at 203.8 ± 1.3 Ma by U-Pb on zircon, which is taken as Late Triassic (i.e. assuming the boundary with the Jurassic is 200 Ma).

The northern contact of the stock with the Stuhini Group is steep, around 80° on average, dipping either north or south. Basaltic volcanics and volcanoclastics are the predominant Stuhini Group country rocks along the northern margin in the centre of the stock. Elsewhere along the stock's margin, it is in contact with Stuhini Group feldspathic sandstone and siltstone.

On its southeastern side, the central part of the Red stock is truncated by a NE-trending, steeply SE-dipping, south-side-down normal fault called the South Boundary fault (Figs. 8, 9). In the hanging-wall of this fault are rocks of the Hazelton and Bowser Lake groups, which overlie the Red stock; their thickness above the basal unconformity ranges from at least 150 metres to zero, as in the extreme east of the projected pit area, the unconformity reaches the surface. In general, the unconformity in the fault's hanging-wall dips gently south, but bedding orientations vary due to minor, open folding.

Red stock geology

The stock is texturally diverse, and evolved as a series of high level (< 4-5 km paleodepth) plagioclase + hornblende (+/- biotite) porphyritic intrusions, and minor magmatic hydrothermal breccia. A trachytoid alignment of both plagioclase and hornblende phenocrysts due to flow banding may be present. Groundmass texture ranges from aplitic to aphanitic. Compositional variations are mainly due to the amounts of primary K-feldspar and quartz in the groundmass.

The early diorite-monzodiorite porphyry phases, which constitute the majority of the stock suite, were essentially barren. The next phase of quartz monzonite porphyries, accompanied by potassium silicate alteration (see below), were richer in quartz both as a groundmass phase and in silica-rich solutions. On crystallization of this magma, exsolved fluids carrying brine-complexed metals and sulfur precipitated as A-type quartz veins with bornite, magnetite and anhydrite. The quartz vein stockworks were concentrated in the apical regions of the mineralizing quartz monzonite porphyries, and copper-gold grade is strongly correlated with vein density. Mineralization extends for several hundred metres (<500-800 metres) from the fertile porphyries into the early, pre-mineral porphyry wall rocks, and into septa of Stuhini Group rocks trapped within the porphyry complex, especially on the northern flank of the Red stock. Late- to post-

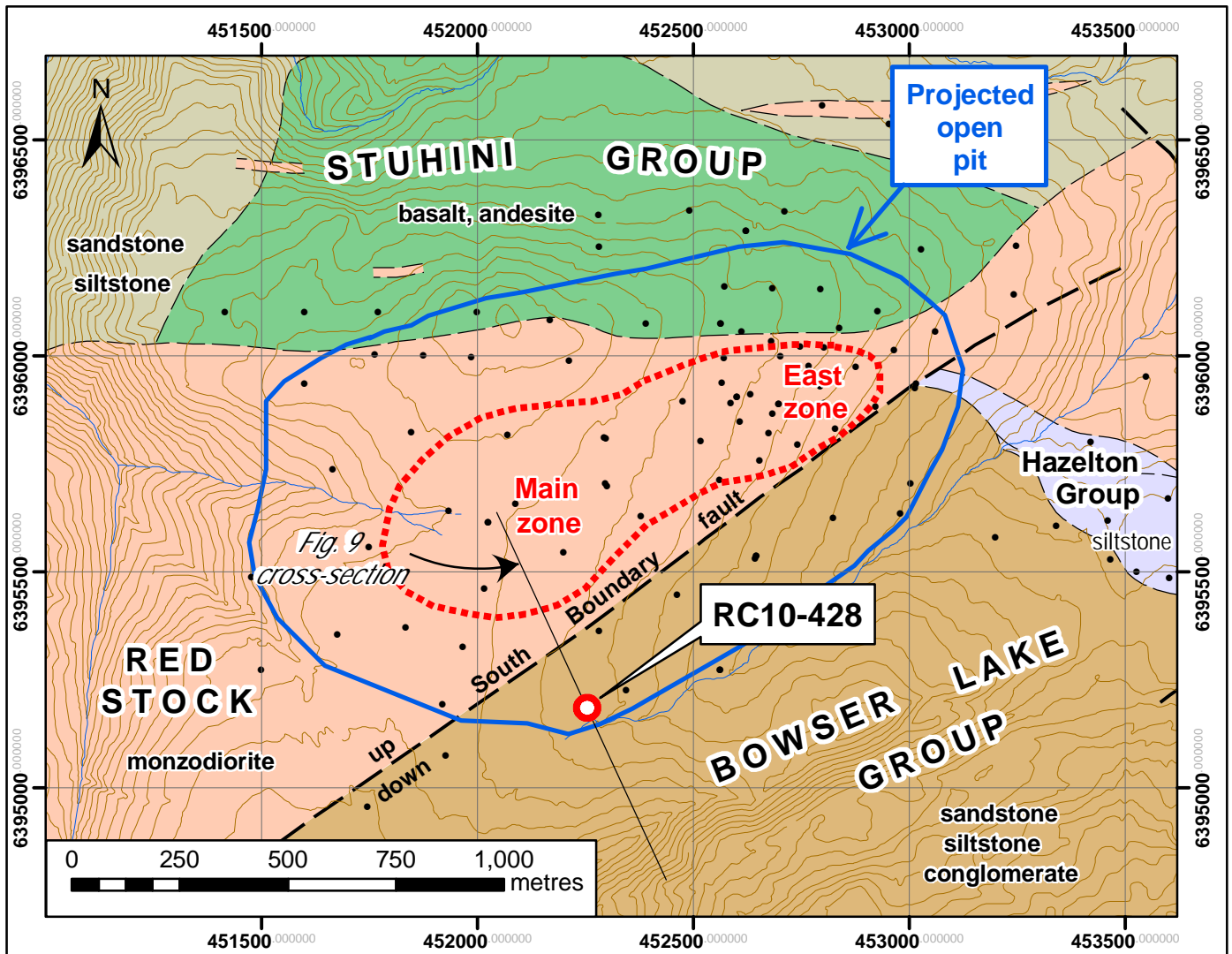


Fig. 8: Geology of the Red Chris deposit area, showing locations of drill hole RC10-428, and cross-section in Fig. 9. Other 2007 through 2011 Imperial drill holes are also shown (small black dots).

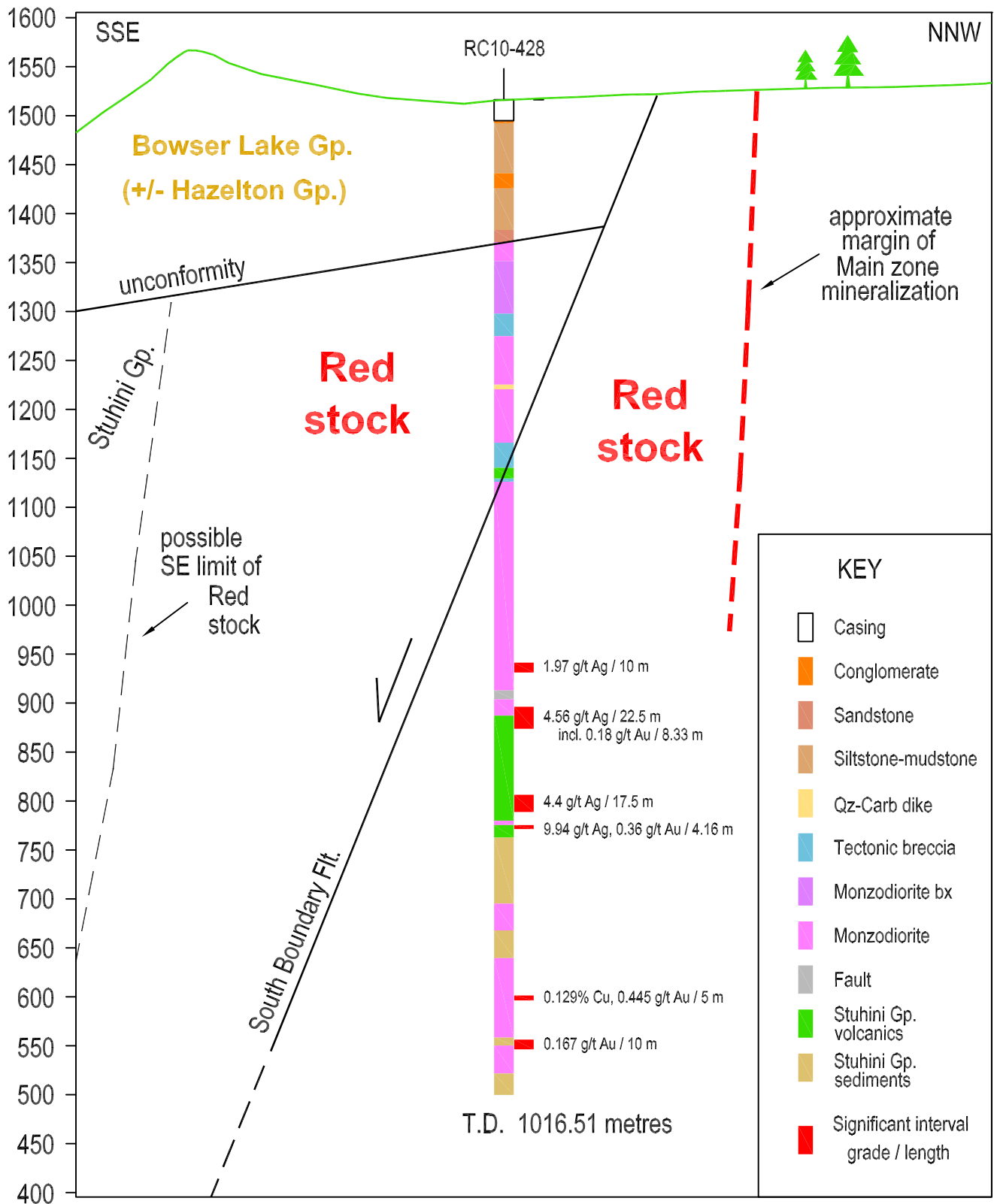


Fig. 9: Vertical cross-section containing hole RC10-428, looking WSW. Section shows steeply SE-dipping South Boundary fault, and Bowser and Hazelton group rocks in the hanging-wall. The most significant assay intervals intersected are shown (see text). Southern contact of the Red stock is estimated from field data.

mineral porphyries are monzonitic and contributed a minor amount of quartz veins and mineralization.

With respect to classification and petrochemical affinity, whole rock analyses from early and intermediate stage porphyries in the Red stock fall marginally on the calc-alkaline side of the alkaline/subalkaline divider, suggesting that Red Chris should be assigned to the high-K calc-alkalic category of Lang *et al.* (1994). However, late-mineral stage porphyries plot in the alkalic field. Although there remains ambiguity in the petrochemical affinity of Red Chris, perhaps the most telling observation is that the mineralizing (intermediate-stage) quartz monzonite porphyries plot in the high-K calc-alkalic field.

Mineral zones

Historic drilling in the Red stock has delineated several zones of significant copper-gold mineralization in the central part of the stock. The two principal zones targeted for mine development currently are the East zone, and the Main zone, centred 800 metres to the west (Fig. 8). The intervening area has been termed the Saddle zone, which is somewhat less well mineralized. Beyond the proposed ore body, 1.5 km to the west of the Main zone, are the Gully and Far West zones. The Gully zone footprint is approximately 400-500 metres across, east-west. The Far West zone has a smaller footprint and has seen less drilling than the other zones. Some mineralization in the Far West zone is hosted in Stuhini Group country rocks close to the stock's northern contact.

At the surface, East zone and Main zone mineralization extends at least 1,000 metres along the stock's east-northeast axis; in width, it ranges from at least 200 metres in the East zone to 500 metres in the Main zone. The depth of significant mineralization is over 1,000 metres in the East zone and about 1,000 metres in the centre of the Main Zone. The drill hole described in this assessment report, RC10-428, was done within the projected open pit boundary, south of the Main zone (Fig. 8).

Alteration and mineralization

Hydrothermal alteration in the Red stock is typical of calc-alkalic porphyry copper systems and is characterized by an early high-temperature 'potassic' alteration stage of K-feldspar (orthoclase)-biotite-magnetite-anhydrite, superimposed by lower temperature alterations beginning with sericite-quartz-pyrite(-ferrocarbonate), followed by an intermediate argillic overprint dominated by illite and lesser kaolinite. Quartz veining is associated with the early potassic phase whereas carbonate (+/- quartz) veins mainly accompanied the later alterations.

The earlier 'potassic' phase is preserved mainly at deeper levels in the eastern part of the stock in intrusives or in lenses of Stuhini rocks. Biotite replaces primary hornblende and locally forms haloes around quartz veins; later, retrograde chlorite may replace this hydrothermal biotite. Secondary K-feldspar replaces plagioclase and mafic minerals within vein haloes, and where most intense it forms a semi-pervasive replacement of the groundmass. The distinction between primary and secondary K-feldspar in the groundmass is difficult. Mineralized, 'A-type' quartz veins precipitated with bornite and

magnetite during the potassic alteration. Bornite also forms fine (0.5 mm) disseminations in host porphyries. Gold occurs as microscopic inclusions in the copper sulfides.

The potassium silicate alteration is variably overprinted by sericite-quartz-pyrite and intermediate argillic alteration which intensifies upwards and becomes virtually exclusive in the upper levels of the stock, at least in the main part of the hydrothermal system. Where strongly developed, the sericitic alteration replaced primary and secondary feldspars as well as mafic minerals, and can be completely texture-destructive, and variably grade-destructive. Even at depth in the (metastable) potassic alteration zone, the sericitic overprint is present in fracture zones or around larger veins where lower temperature and more acidic hydrothermal fluids were able to penetrate and alter the fracture/vein walls. Sulfidation during the sericitization event is manifested by the replacement of early bornite by chalcopyrite, some grade destruction and re-distribution of copper, and the formation of a pyrite-rich cap (>4% sulfur) which characterizes the shallower levels of the preserved Red stock.

At shallow levels of the deposit, the sericitic alteration is itself strongly overprinted by illite and kaolinite, especially in zones of stronger deformation. This intermediate argillic alteration is locally intense and texture-destructive, but it is most commonly marked by the replacement of plagioclase phenocrysts by pale milky green illite. In places in the mineralized zones, late stage bornite replaced chalcopyrite. Magnetite (both primary as well as that formed in the potassic alteration stage) is preserved only at depth; elsewhere, magnetite was replaced by dark specular hematite, earthy red hematite, and /or pyrite.

A characteristic of the Red Chris hydrothermal system is the presence of significant ferrocarbonate or ankerite, accompanying quartz in veins and open-space fillings. Some may have formed in the potassic alteration, but it is mainly associated with the lower temperature sericitic and intermediate argillic alteration (Baker *et al.*, 1997). After weeks of exposure, the ferrocarbonate in drill core gradually oxidizes to an orange-brown colour, clearly distinguishing it from grey quartz and silicate minerals.

Molybdenite, sphalerite and galena occur very locally in usually trace amounts. They probably formed mainly during the lower temperature overprint alterations.

Evidence of propylitic alteration within the stock is limited to minor epidote, which is most common in the deep levels where other alteration is only weakly developed. Propylitic minerals such as epidote and chlorite are better developed in marginal Stuhini Group rocks, at all levels.

7. DRILLING PROGRAM AND ANALYTICAL PROCEDURES

Hole location and drilling implementation

The attributes of hole RC10-428 are given in the table below. The UTM coordinates are NAD 83; elevation, hole length and casing are all in metres. The hole was collared on fairly flat ground near the southern periphery of the projected open pit.

Hole	Easting	Northing	Elevation	Length	Inclination	Azimuth	Casing
RC-10-428	452254.76	6395184.33	1516.28	1016.51	-90	000	21.3

The work was carried out by Atlas Drilling Limited of Kamloops, B.C., using a Boyles 56 drill rig. Coring began with HQ diameter drill rods, but was reduced to NQ at 627 metres down hole. The hole began on December 4, 2010, using both day and night shifts. Drilling was suspended for the seasonal year-end break around mid-month. In 2011, fewer drill crews were available, and drilling on this hole did not resume until February 16. The hole was completed on March 7, 2011.

Down-hole surveys by Imperial geotechnical staff, using a Reflex multishot tool, were done in stages during the drilling, taking advantage of the several bit changes, with a final survey at the completion of the hole. The collar was accurately surveyed in after the drill was moved off the hole.

Core handling and logging

Core was delivered to the core shack after each drill shift and placed on tables or temporarily stacked, depending on available space. The core was logged geotechnically and geologically, and photographed. Samples for assay were laid out every 2.5 metres throughout the hole, unless a 2.5-metre interval had to be subdivided into two or more samples because of the inclusion of a geological contact(s) which required differentiation.

After logging, core was sawn and bagged, with the bags tied with special coded tags which were recorded before leaving the core shack. Use of these tags prevents overt sample tampering and is an extra precaution in sample tracking and security. Sample bags were placed in labelled and addressed rice sacks, and placed on pallets for shipping to the commercial laboratory (see below). Remnant sawn core is stored near the exploration site in covered core racks.

Analytical procedures

Analysis was done by Acme Analytical Laboratories (Vancouver) Ltd. Samples were transported from the Red Chris camp by road to the Acme lab in Smithers, B.C. where they were crushed, and split and pulverized to standard 200 mesh pulps, which were subsequently shipped by Acme to their laboratory in Vancouver for analysis.

As part of the 1DX1 package provided by Acme, pulp sample splits of 0.5 grams were leached by hot (95°C) Aqua Regia acid digestion for analysis by ICP-MS for 36 elements. Detection limits for individual elements are shown on the assay certificates (Appendix D). Copper assays were obtained from 1-gram sample splits by ICP-ES with a detection limit of 0.001%, and 30-gram splits were fire-assayed for gold by the 3B02 method, with a lower detection limit of 2 ppb.

Quality control

Core samples were submitted to Acme with a full complement of QAQC samples comprising duplicates, blanks and standards. Each batch of twenty samples contained one duplicate, one blank and one low-, medium- or high standard, inserted into the sample stream in a non-systematic way. When results were received by Imperial they were passed through QAQC tests to be validated before being incorporated into the project database for evaluation and interpretation.

8. DRILLING STRATEGY, RESULTS AND CONCLUSIONS

Drilling strategy

The Red Chris reserve is approximately 1,300 metres long in plan (Fig. 8), and 400 metres in vertical thickness, as defined by the projected open pit under the terms of the 2004/2005 feasibility study. However, significant mineralization is known to continue well below this depth, to at least a further 600 metres below the bottom of the projected pit (see Section 4, History and Previous Work). Although this deeper mineralization is outside the reserve targeted for development, knowledge of its extent and tenor is necessary for long term mine planning, and Imperial has been conducting deep drilling exploration since 2007 beneath the East and Main zones for this purpose. The 2010 program consisted of over 50,000 metres of infill and step-out drilling to between 1,000 and 1,500 metres targeted depths, over the designed open pit.

Relatively little drilling has been done historically in the southwestern part of the 'pit area', in the vicinity of the South Boundary fault (SBF) or in the fault's hanging-wall. Hole RC10-428 (Fig. 8) was designed to test the mineral potential of the Red stock beneath the hanging-wall Bowser Lake Group southeast of the SBF, not only within the depth range of the reserve but also below it, since the experience has been that copper-gold grade can increase substantially beneath the 400 metres depth of the base of the projected open pit. Establishing the thickness of the Bowser Lake Group was an additional benefit.

Drilling results

The results of the drilling are illustrated in a vertical cross-section trending 335° (UTM grid) through hole RC10-428 (Fig. 9). The diagram shows a geological strip log, slightly simplified for legibility by eliminating minor intervals in the log less than about 4 metres thick. Against the strip log are all the significant assay intervals intersected in the hole, although individual anomalous samples are mentioned only in the text, below.

The hole was collared on the southeastern, hanging-wall side of the South Boundary fault. After 21 metres of casing through unconsolidated rock, the hole intersected Bowser Lake Group rocks, predominantly dark brown mudstone and siltstone typical of the lower part of the unit. Within this are sporadic, minor intervals of chert-pebble conglomerate or sandstone, typically 2-15 metres thick. The lowermost 10-15 metres above the basal unconformity may be Hazelton Group clastics. No mineralization is

present anywhere above the unconformity. Fifteen metres of siltstone starting at 92.5 metres averaged 1.4 grams of silver, but this is not significant.

Below the unconformity at 145.28 metres, monzodiorite of the Red stock is strongly altered by sericite and carbonate, and weakly brecciated. It is strongly pyritic, with 8% disseminated sulfide. At 168 metres, the monzodiorite texture was logged as igneous breccia. This is still strongly altered, but the pyrite content drops to around 4%. Copper and gold values are extremely low. There are a few thin post-mineral amygdaloidal dikes.

At 245 metres, the monzodiorite is tectonically brecciated, and strongly to intensely altered. A notable feature in the log is up to 10% of pyritic 'D-veins', characteristic of the late-stages and upper levels of a porphyry system, although the rocks are otherwise unmineralized. Between about 241 and 350 metres, the monzodiorite porphyry is less deformed, although the sericite (+/- carbonate) alteration is still very strong with several per cent disseminated pyrite, and a declining amount of pyritic D-veins. Copper and gold values remain uniformly very low.

Beyond 350 metres down hole, the monzodiorite is interspersed with tectonic breccia, possibly representing the approach of the South Boundary fault. The fault itself occurs between 376 and 390 metres. At 376 metres, the hole cuts a sheared contact with strongly altered Stuhini Group rocks, followed by tectonically brecciated intrusive rock between 387 and 390 metres. Monzodiorite beyond 390 metres is interpreted as footwall Red stock, and includes minor inclusions of Stuhini Group. It is strongly sericitized, and contains about 5% pyrite. After 445 metres, the overprint alteration is weaker and less texturally destructive, and partially altered hornblende and weakly altered plagioclase phenocrysts are clearly visible. Pyrite is about 1.5%; copper and gold values are still very low. A ten-metre zone at 575-585 m averaged just under 2 g/t silver.

A major fault occurs between 603-612 metres, with a true dip of about 70°. In the footwall of this fault, the monzodiorite contains relict potassic alteration, a higher magnetic susceptibility, and a very slight increase in copper grade (but still weak). Slightly deeper, a contact with Stuhini Group volcanic rocks at 629 metres introduces higher pyrite (5%), and incorporates a mineralized interval from 620-642.5 metres grading 4.56 g/t silver over 22.5 metres. This interval contains a smaller 8.33 metre sub-interval running 0.037% copper and 0.18 g/t gold.

Lower down the hole, the same unit of Stuhini Group contains a zone from 710-727.5 metres grading 4.4 g/t silver over 17.5 m; more notably, this includes a single sample returning more anomalous values of 17.7 g/t silver and 0.28 g/t gold, at 720 metres. Slightly deeper, a 4.16 metre-interval assayed 9.94 g/t silver and 0.36 g/t gold, starting at 740.84 m.

The remainder of the drill hole contained a mixture of monzodiorite and stretches of Stuhini Group sediments. Sericitic alteration is dominant, even though the rocks were probably previously potassically altered. Pyrite content is strong, generally between 6

and 10%. Trace amounts of chalcopyrite were noted. The highest assay was 0.142% copper in monzodiorite at 917.5 metres, part of a 5-metre interval grading 0.129% copper and 0.445 g/t gold; this was the highest copper-gold result recorded in the entire hole. One more anomalous zone was intersected, in Stuhini Group at 960 metres, where a sample ran 3.1 g/t silver. Also beginning at this depth, a 10-metre interval assayed 1.67 g/t gold. The hole was terminated at 1,016.51 metres.

An overview of the molybdenum content of the hole is warranted. Above 750 metres, molybdenum is uniformly very low: samples contain less than 10 ppm. Below 750 metres, sporadic, higher values of molybdenum occur but they are isolated and probably represent sparse quartz vein- or fracture-hosted fine molybdenite. Values of 60.7 and 47.8 ppm occur at the top (810.1 m) and bottom contacts (848.54 m) of a monzodiorite interval. Monzodiorite deeper in the hole contains generally low molybdenum, but several samples returned between 20 and 50 ppm. In summary, molybdenum clearly increases down the hole in the footwall of the SBF, and this may have significance regarding the geochemical zonation of the hydrothermal system, but molybdenum nowhere reaches strongly anomalous levels.

Concluding remarks

Drill hole RC10-428 was successful in reaching its target depth of 1,000 metres. Important geological information recovered includes the depth of the unconformity beneath the Bowser Lake/Hazelton groups, and the depth of the South Boundary fault (SBF), providing additional control on the dip of the fault in this area.

From an exploration standpoint, it was confirmed that the Red stock in the hanging-wall of the SBF is strongly altered and pyritic but is otherwise unmineralized. In the footwall of the SBF, weak mineralization is present in monzodiorite of the Red stock, and in intervals (lenses) of Stuhini Group volcanic and sedimentary rocks. Chalcopyrite is very rare, and occurs in trace amounts only. Copper assays are generally below 0.03%. The most anomalous copper is isolated and sporadic; the highest value recorded was 0.142% and occurs quite deep in the hole, at 917.5 metres. Anomalous gold is slightly more widespread in the lower third of the hole, but rarely exceeds 0.1 g/t. Higher assays of gold, between 0.28 and 0.445 g/t, usually coincide with anomalous silver and /or copper. Finally molybdenum, like copper and gold, becomes more prominent in the lowest few hundred metres of the drill hole, reaching weakly anomalous values up to 60 ppm.

There is no obvious control on the location of the better mineralization such as a higher density of quartz veins or the coincidence of a particular porphyry phase. It appears that while this area is well within the Red Chris hydrothermal system, it is outside the main zone of contiguous mineralization.

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APPENDIX A
STATEMENT OF COSTS

Diamond drilling

*Invoiced costs on 1,016.51 metres on claim 541653 over approx. 31 days.
Includes drilling, moving charges, materials and extra equipment,
and HST. Excludes drilling fuel.*

\$187,043

Assays

*Copper and gold assay, total iron and 36 element ICP analysis.
509 samples @ \$42.31 per sample,
177 samples @ \$35.62 per sample,
Total includes sample preparation costs, analysis of standards, blanks,
duplicates, re-assays, and HST.*

\$27,840

Report preparation, program administration, overheads
(including author, 6 days @ \$350/day)

\$6,000

Total costs submitted

\$220,883

Note: Exploration costs incurred which are not included in the items above are:

Drilling fuel

Salaries of geologists, geotechnical staff, core cutters

Truck rentals, fuel

Pad construction (RCDC personnel)

Sample shipping

Core rack construction

Core shack supplies (core boxes, saw blades, standards, etc.)

Camp costs during program (accommodation, food, fuel)

APPENDIX B

STATEMENT OF QUALIFICATIONS

I, Christopher J. Rees of Victoria, British Columbia, do hereby certify that:

- I hold degrees in Geology from the University College of Wales, U.K., (B.Sc., Hons.), the University of Regina (M.Sc.), and Carleton University (Ph.D.).
- I am a professional geologist with accreditation from the Association of Professional Engineers and Geoscientists of British Columbia, since 1992.
- I have been practising my profession since 1987 in the mineral exploration industry, or through provincial government and university appointments.
- I have been an employee of Imperial Metals Corporation since 1997, and have worked on the Red Chris property as a geologist since 2007.
- I am the author of this Assessment Report on '2010-11 Diamond Drilling on Claim 541653 on the Red Chris property'.

Signed

A handwritten signature in black ink, appearing to read 'CJ Rees', written in a cursive style.

Chris Rees, Ph.D., P.Geo.
February 9, 2012.

APPENDIX C

DIAMOND DRILL LOGS

HOLE NUMBER: RC10-428**RED CHRIS PROJECT
DIAMOND DRILL LOG**

NORTH:	6395184.330	CONTRACTOR:	Atlas
EAST:	452254.760	LOGGED BY:	SE
ELEVATION:	1516.280	DRILLING DATES:	2010/12/04 TO 2011/03/07
LENGTH (m):	1016.51	LOG DATE	2010/12/05
CASING:	21.3	DIP / AZIMUTH:	-90.0/ 0.0
CORE SIZE:	HQ/NQ	MAP REF:	
AREA:	Main	ASSAY LAB:	Acme

FIELD LOCATION: Main Zone

COMMENTS: W18

DEPTH (m)	DIP	AZIMUTH
0.00	-90.00	0.00
9.75	-89.50	179.70
18.90	-89.20	49.40
28.04	-88.60	168.80
37.19	-89.10	240.80
46.33	-89.10	234.20
55.47	-89.00	241.10
64.62	-89.10	226.50
73.76	-88.80	211.10
82.91	-89.20	223.40
92.05	-88.90	214.20
101.19	-89.10	235.90
110.34	-88.70	227.50
119.48	-89.00	232.00
128.63	-89.00	255.30
137.77	-89.30	232.30
146.91	-88.90	230.60
156.06	-88.90	211.10

HOLE NUMBER: RC10-428**RED CHRIS PROJECT
DIAMOND DRILL LOG**

NORTH:	6395184.330	CONTRACTOR:	Atlas
EAST:	452254.760	LOGGED BY:	SE
ELEVATION:	1516.280	DRILLING DATES:	2010/12/04 TO 2011/03/07
LENGTH (m):	1016.51	LOG DATE	2010/12/05
CASING:	21.3	DIP / AZIMUTH:	-90.0/ 0.0
CORE SIZE:	HQ/NQ	MAP REF:	
AREA:	Main	ASSAY LAB:	Acme

FIELD LOCATION: Main Zone

COMMENTS: W18

DEPTH (m)	DIP	AZIMUTH
165.20	-89.10	248.20
174.35	-88.60	234.70
183.49	-89.00	230.10
192.63	-88.70	230.50
201.78	-89.10	200.50
210.92	-88.90	246.30
220.07	-88.90	240.20
229.21	-89.20	239.70
238.35	-88.60	242.20
247.50	-88.90	241.20
256.64	-88.70	215.20
265.79	-88.80	248.00
274.93	-89.00	211.60
284.07	-88.90	204.10
293.22	-89.00	245.90
302.36	-88.70	252.10
311.51	-88.40	229.40
320.65	-88.80	250.60

HOLE NUMBER: RC10-428**RED CHRIS PROJECT
DIAMOND DRILL LOG**

NORTH:	6395184.330	CONTRACTOR:	Atlas
EAST:	452254.760	LOGGED BY:	SE
ELEVATION:	1516.280	DRILLING DATES:	2010/12/04 TO 2011/03/07
LENGTH (m):	1016.51	LOG DATE	2010/12/05
CASING:	21.3	DIP / AZIMUTH:	-90.0/ 0.0
CORE SIZE:	HQ/NQ	MAP REF:	
AREA:	Main	ASSAY LAB:	Acme

FIELD LOCATION: Main Zone

COMMENTS: W18

DEPTH (m)	DIP	AZIMUTH
329.79	-88.50	241.50
338.94	-89.00	242.30
348.08	-89.00	231.50
357.23	-88.60	252.60
366.37	-88.80	219.70
375.51	-88.70	259.00
384.66	-88.40	242.90
393.80	-88.60	231.10
402.95	-89.10	255.10
412.09	-89.00	255.40
421.23	-88.50	232.70
430.38	-88.70	235.20
439.52	-88.80	247.60
448.67	-88.60	231.60
457.81	-88.80	257.00
466.95	-88.90	241.40
476.10	-89.20	254.50
485.24	-89.10	252.80

HOLE NUMBER: RC10-428**RED CHRIS PROJECT
DIAMOND DRILL LOG**

NORTH:	6395184.330	CONTRACTOR:	Atlas
EAST:	452254.760	LOGGED BY:	SE
ELEVATION:	1516.280	DRILLING DATES:	2010/12/04 TO 2011/03/07
LENGTH (m):	1016.51	LOG DATE	2010/12/05
CASING:	21.3	DIP / AZIMUTH:	-90.0/ 0.0
CORE SIZE:	HQ/NQ	MAP REF:	
AREA:	Main	ASSAY LAB:	Acme

FIELD LOCATION: Main Zone

COMMENTS: W18

DEPTH (m)	DIP	AZIMUTH
494.39	-88.90	259.10
503.53	-88.50	255.50
512.67	-88.90	232.70
521.82	-88.70	219.70
530.96	-89.10	232.10
540.11	-89.10	232.90
549.25	-88.80	226.10
558.39	-89.00	221.00
567.54	-88.80	255.20
576.68	-88.40	235.00
585.83	-88.80	236.60
594.97	-89.10	253.40
604.11	-89.20	232.30
613.26	-88.40	244.50
622.40	-88.60	246.30
629.40	-88.40	240.10
638.60	-88.20	253.80
647.70	-88.40	268.00

HOLE NUMBER: RC10-428**RED CHRIS PROJECT
DIAMOND DRILL LOG**

NORTH:	6395184.330	CONTRACTOR:	Atlas
EAST:	452254.760	LOGGED BY:	SE
ELEVATION:	1516.280	DRILLING DATES:	2010/12/04 TO 2011/03/07
LENGTH (m):	1016.51	LOG DATE	2010/12/05
CASING:	21.3	DIP / AZIMUTH:	-90.0/ 0.0
CORE SIZE:	HQ/NQ	MAP REF:	
AREA:	Main	ASSAY LAB:	Acme

FIELD LOCATION: Main Zone

COMMENTS: W18

DEPTH (m)	DIP	AZIMUTH
656.80	-88.90	255.60
666.00	-88.60	234.20
675.10	-88.90	263.90
684.30	-88.20	239.20
693.40	-88.40	261.40
702.60	-88.70	263.00
711.70	-88.70	256.10
720.90	-88.50	264.50
730.00	-88.40	234.30
739.10	-87.90	241.70
748.30	-88.60	240.30
757.40	-88.60	259.80
766.60	-88.40	263.10
775.70	-88.50	255.30
784.90	-88.00	232.00
794.00	-88.30	234.70
803.10	-88.30	236.40
812.30	-88.50	250.60

HOLE NUMBER: RC10-428**RED CHRIS PROJECT
DIAMOND DRILL LOG**

NORTH:	6395184.330	CONTRACTOR:	Atlas
EAST:	452254.760	LOGGED BY:	SE
ELEVATION:	1516.280	DRILLING DATES:	2010/12/04 TO 2011/03/07
LENGTH (m):	1016.51	LOG DATE	2010/12/05
CASING:	21.3	DIP / AZIMUTH:	-90.0/ 0.0
CORE SIZE:	HQ/NQ	MAP REF:	
AREA:	Main	ASSAY LAB:	Acme

FIELD LOCATION: Main Zone

COMMENTS: W18

DEPTH (m)	DIP	AZIMUTH
821.40	-87.80	250.70
830.60	-87.70	245.50
839.70	-88.20	260.30
848.90	-88.10	233.80
858.00	-87.70	255.70
867.20	-87.60	245.10
876.30	-88.10	262.90
885.40	-88.50	251.90
894.60	-87.70	246.60
903.70	-87.80	264.20
912.90	-88.20	234.40
922.00	-87.80	240.00
931.20	-87.90	238.00
940.30	-88.30	263.20
949.50	-88.40	239.70
958.60	-87.90	264.30
967.70	-88.10	235.00
976.90	-87.90	236.00

HOLE NUMBER: RC10-428



**RED CHRIS PROJECT
DIAMOND DRILL LOG**

NORTH:	6395184.330	CONTRACTOR:	Atlas
EAST:	452254.760	LOGGED BY:	SE
ELEVATION:	1516.280	DRILLING DATES:	2010/12/04 TO 2011/03/07
LENGTH (m):	1016.51	LOG DATE	2010/12/05
CASING:	21.3	DIP / AZIMUTH:	-90.0/ 0.0
CORE SIZE:	HQ/NQ	MAP REF:	
AREA:	Main	ASSAY LAB:	Acme

FIELD LOCATION: Main Zone

COMMENTS: W18

DEPTH (m)	DIP	AZIMUTH
986.00	-88.50	257.10
995.20	-88.60	242.90
1004.30	-87.80	239.80
1013.50	-88.10	232.10

Red Chris Project

Diamond Drill Log

Hole Number:

RC10-428

Logged by: SE

Date: 2011/12/20

From	To	Rocktype & Description	From	To	Sample	Width	Cu (%)	Au (g/t)	Ag (ppm)	Mo (ppm)
0.00	21.34	CASN Casing - no recovery								
		0								
		10								
		20								
21.34	23.97	B cpB Dark grey, well sorted Bowser chert pebble conglomerate. Matrix is 0.1-0.3mm, equigranular, clear quartz grains and black grains. Clasts make up 45-60% of mode and consist of 0.5-3cm, subrounded, white, tan, green, brown and black siltstone to sandstone. Lower contact, irregular fracture.	21.34	22.50	937365	1.16	0.009	0.00	0.4	2.9
		20	22.50	23.97	937366	1.47	0.005	0.01	0.1	0.9
		30								
		40								
		50								
23.97	66.05	B msB Very dark grey to black, very fine grained, Bowser mudstone. Bedding is consistent at 70 degrees TCA. Fractured every several cm, often with meter rubbly sections and cm fault gouge. Lower contact sharp at 50 degrees TCA.	23.97	25.00	937367	1.03	0.003	0.00	0.6	4.4
		30	25.00	27.50	937368	2.50	0.003	0.00	0.7	3.4
		40	27.50	27.50	937369	0.00				
		50	27.50	30.00	937370	2.50	0.003	0.00	0.5	5.8
		60	30.00	32.50	937371	2.50	0.002	0.00	0.4	6.3
		70	32.50	35.00	937372	2.50	0.002	0.00	0.4	4.3
		80	35.00	37.50	937373	2.50	0.003	0.00	0.6	6.3
		90	37.50	37.50	937374	0.00				
		100	37.50	40.00	937375	2.50	0.002	0.00	0.5	4.7
		110	40.00	42.50	937376	2.50	0.003	0.00	0.7	6.5
		120	42.50	45.00	937377	2.50	0.003	0.00	0.6	7
		130	42.50	45.00	937378	2.50				
		140	45.00	47.50	937379	2.50	0.003	0.00	0.7	11.8
		150	47.50	50.00	937380	2.50	0.003	0.00	0.9	10.3
		160	50.00	52.50	937381	2.50	0.002	0.00	0.7	10.9
		170	52.50	55.00	937382	2.50	0.003	0.00	0.6	7.3
		180	55.00	57.50	937383	2.50	0.002	0.00	0.8	5.8
		190	57.50	60.00	937384	2.50	0.003	0.00	0.7	5.7

Red Chris Project

Diamond Drill Log

Hole Number:

RC10-428

Logged by: SE

Date: 2011/12/20

From	To	Rocktype	& Description	From	To	Sample	Width	Cu (%)	Au (g/t)	Ag (ppm)	Mo (ppm)
				60.00	62.50	937385	2.50	0.003	0.00	0.6	4.7
				62.50	62.50	937386	0.00				
				62.50	65.00	937387	2.50	0.002	0.00	0.5	2.9
				65.00	66.05	937388	1.05	0.002	0.00	0.5	5.1
66.05	68.41	B		66.05	67.50	937389	1.45	0.004	0.00	0.3	3
cpB				67.50	68.41	937390	0.91	0.004	0.00	0.1	1.2
			Dark grey well sorted, Bowser chert pebble conglomerate intercalating with dm sections of mudstone that is fractured and has cm fault gouge. Matrix is 0.1-0.3mm, equigranular, clear quartz grains and black grains. Clasts make up 45-60% of mode and consist of 0.5-3cm, subrounded, white, tan, green, brown and black siltstone to sandstone. Lower contact, irregular fracture.								
68.41	75.05	B		68.41	70.00	937391	1.59	0.005	0.01	0.2	1.2
msB				70.00	72.50	937392	2.50	0.006	0.01	0.2	1.2
			Very dark grey to black, very fine grained, Bowser mudstone. Fractured every several cm, often with meter rubbly sections and cm fault gouge. Lower contact irregular fracture.	70.00	72.50	937393	2.50				
				72.50	75.05	937394	2.55	0.006	0.01	0.1	0.7
75.05	90.68	B		75.05	77.50	937395	2.45	0.003	0.00	0.1	0.9
cpB				77.50	80.00	937396	2.50	0.004	0.00	0.2	1
			Dark grey, well sorted Bowser chert pebble conglomerate. Matrix is 0.1-0.3mm, equigranular, clear quartz grains and black grains. Clasts make up 60-80% of mode and consist of 0.5-3cm, subrounded, white, tan, green, brown and black siltstone to sandstone. Very few clasts have disseminated pyrite (trace). Rare 30-40cm section of mudstone, fractured contacts. Lower contact sharp at 80 degrees TCA.	80.00	82.50	937397	2.50	0.005	0.00	0.2	1.7
				82.50	85.00	937398	2.50	0.004	0.00	0.2	0.9
				85.00	87.50	937399	2.50	0.004	0.00	0.2	0.9
				87.50	87.50	937400	0.00				
				87.50	90.00	937401	2.50	0.003	0.00	0.1	0.7
				90.00	90.68	937402	0.68	0.005	0.00	0.2	0.9
			« tr py »								
90.68	133.02	B		90.68	92.50	937403	1.82	0.004	0.00	0.9	9.5
msB				92.50	95.00	937404	2.50	0.004	0.00	1.3	5
			Very dark grey to black, striped every few cm different shade of grey, very fine grained, Bowser mudstone to siltstone to sandstone. Appears to coarsen downhole. Fractured every several cm, often with meter rubbly sections and cm	95.00	97.50	937405	2.50	0.005	0.00	1.5	6.3
				97.50	100.00	937406	2.50	0.004	0.00	1.3	5.3
				100.00	100.00	937407	0.00				
				100.00	102.50	937408	2.50	0.003	0.00	0.8	3.2

Red Chris Project

Diamond Drill Log

Hole Number:

RC10-428

Logged by: SE

Date: 2011/12/20

From	To	Rocktype & Description	From	To	Sample	Width	Cu (%)	Au (g/t)	Ag (ppm)	Mo (ppm)	
		fault gouge. Gouge increases in lower 10m of unit. Bedding is strong and consistent at 60-80 degrees TCA. Micro-echelon faulting, displacing several mm. Lower contact sharp at 80 degrees TCA.									
			110	102.50	105.00	937409	2.50	0.003	0.00	0.8	4.5
				105.00	107.50	937410	2.50	0.003	0.00	0.7	2.9
				107.50	110.00	937411	2.50	0.005	0.00	0.9	3.7
				110.00	110.00	937412	0.00				
				110.00	112.50	937413	2.50	0.004	0.00	0.7	3.1
				112.50	115.00	937414	2.50	0.004	0.00	0.8	4
				115.00	117.50	937415	2.50	0.003	0.00	0.6	4
				117.50	120.00	937416	2.50	0.002	0.00	0.6	3.4
				117.50	120.00	937417	2.50				
				120.00	122.50	937418	2.50	0.004	0.00	0.5	4.2
				122.50	125.00	937419	2.50	0.002	0.00	0.5	2.2
				125.00	127.50	937420	2.50	0.003	0.00	0.6	2.6
				127.50	130.00	937421	2.50	0.004	0.00	0.8	4.5
				130.00	132.50	937422	2.50	0.003	0.00	0.7	2.2
			132.50	135.00	937423	2.50	0.003	0.00	0.5	3	
133.02	143.30	B	135.00	135.00	937424	0.00					
		cpB	135.00	137.50	937425	2.50	0.003	0.00	0.5	8.7	
		Dark grey to black sandstone with 10-15%, 0.2-1cm, subrounded, tan to grey, siltstone to sandstone to intrusive clasts. This conglomerate is poorly sorted and few clasts include pyrite and carbonate clasts. Lower contact sharp and irregular at 50-80 degrees TCA.	137.50	140.02	937426	2.52	0.002	0.00	0.1	5.5	
			140.02	142.50	937427	2.48	0.001	0.00	<0.1	3.1	
			142.50	143.30	937428	0.80	0.001	0.00	<0.1	0.6	
		« py 0.50%»									
143.30	145.28	B	143.30	145.28	937429	1.98	0.002	0.01	<0.1	0.6	
		cpB									
		Dark grey, well sorted Bowser chert pebble conglomerate. Matrix is 0.1-0.3mm, equigranular, sandstone with clear quartz grains and black grains. Clasts make up 60% of mode and consist of 0.2-1cm, subrounded, white, tan, green, brown and black intrusive with minor siltstone to sandstone. 2% pyrite disseminated in matrix and clasts. Lower contact sharp and fractured at 70 degrees TCA.									
			« py 2.00%»								

Red Chris Project

Diamond Drill Log

Hole Number:

RC10-428

Logged by: SE

Date: 2011/12/20

From	To	Rocktype & Description	From	To	Sample	Width	Cu (%)	Au (g/t)	Ag (ppm)	Mo (ppm)
145.28	164.85	MD MDs Light to medium grey monzodiorite. Strong to intense, pervasive sericite-carbonate overprinting phenocrysts so that abundance and size are obscured. Weak tectonic brecciation with 2-10cm clasts, weakly crushed but rehealed. Rare meter sections of plagioclase phenocrysts overprinted by carbonate. Weak brecciation similar to unit 168.45m. 8% pyrite disseminated and blebby in groundmass. Lower contact fractured at 50 degrees TCA. « py 8.00%»	145.28	147.50	937430	2.22	0.005	0.01	0.1	1.9
			147.50	147.50	937431	0.00				
			147.50	150.00	937432	2.50	0.007	0.01	0.1	1.3
			150.00	152.50	937433	2.50	0.006	0.01	0.2	1.3
			152.50	155.00	937434	2.50	0.005	0.01	0.2	1.2
			155.00	157.50	937435	2.50	0.010	0.01	0.3	2
			155.00	157.50	937436	2.50				
			157.50	160.00	937437	2.50	0.013	0.01	0.2	1.9
			160.00	162.50	937438	2.50	0.006	0.01	0.1	0.9
			162.50	164.85	937439	2.35	0.008	0.01	0.1	1.8
164.85	168.45	DQCA DQCA Light tan dyke with 4% 0.5-2mm, rounded quartz and carbonate-quartz amygdules. Frequent massive to semi-massive, dark, almost black biotite-pyrite (2%) veining. Frequent 1-6cm sized vugs with mm, euhedral calcite crystals inside. Lower contact sharp and irregular at 70 degrees TCA. « py 2.00%»	164.85	167.50	937440	2.65	0.003	0.00	<0.1	1.5
			167.50	168.45	937441	0.95	0.003	0.00	<0.1	1.3
168.45	209.23	IBX IBX Medium grey intrusive breccia with 85:15, Clast:Matrix. Matrix: 25%, 0.5-2mm, subhedral, grey, plagioclase phenocrysts. Mafics are destroyed by strong, pervasive sericite-carbonate overprinting. Clasts are 1-10cm, subrounded: Different types of intrusive and shades of grey. Some with plagioclase phenocryst 1-2mm, some up to 4mm and white from carbonate replacement. Few with strong pyrite mineralization. Strong to at times intense sericite overprinting. Rare, light tan, Stuhini siltstone clasts.	168.45	170.00	937442	1.55	0.011	0.02	0.1	2.5
			170.00	172.50	937443	2.50	0.007	0.01	0.1	0.9
			172.50	175.00	937444	2.50	0.010	0.01	0.1	0.9
			175.00	177.50	937445	2.50	0.005	0.01	<0.1	0.9
			177.50	177.50	937446	0.00				
			177.50	180.00	937447	2.50	0.010	0.01	0.1	1.8
			180.00	182.50	937448	2.50	0.009	0.02	0.1	1.6
			182.50	185.00	937449	2.50	0.007	0.01	<0.1	1.1
			185.00	187.50	937450	2.50	0.005	0.01	<0.1	1.2
			187.50	190.00	937451	2.50	0.008	0.02	0.2	3.7
			190.00	192.50	937452	2.50	0.009	0.02	0.2	2.2
			192.50	192.50	937453	0.00				
			192.50	195.00	937454	2.50	0.003	0.01	0.1	0.3

Red Chris Project

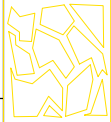
Diamond Drill Log

Hole Number:

RC10-428

Logged by: SE

Date: 2011/12/20

From	To	Rocktype & Description	From	To	Sample	Width	Cu (%)	Au (g/t)	Ag (ppm)	Mo (ppm)
		4% pyrite disseminated in mafic sites and groundmass in both matrix and clasts. Lower contact sharp at 70 degrees TCA. « py 4.00%»								
			195.00	197.50	937455	2.50	0.009	0.01	0.3	1.6
			197.50	200.00	937456	2.50	0.005	0.01	0.1	0.8
			200.00	202.50	937457	2.50	0.006	0.01	0.1	1.2
			202.50	205.00	937458	2.50	0.008	0.02	0.3	2.2
			205.00	207.50	937459	2.50	0.009	0.02	0.3	1.9
			205.00	207.50	937460	2.50				
			207.50	209.23	937461	1.73	0.006	0.01	0.3	1.1
209.23	212.83	DQCA	209.23	210.00	937462	0.77	0.002	0.01	0.3	1.7
		DQCA	210.00	212.50	937463	2.50	0.002	0.00	0.1	0.8
		Light tan, very fine grained dyke intercalated with unit above. 5-7%, 1-2mm, rounded quartz-carbonate amygdules. Lower contact sharp at 90 degrees TCA.	212.50	212.83	937464	0.33	0.006	0.00	<0.1	0.7
212.83	216.12	IBX	212.83	215.00	937465	2.17	0.006	0.01	0.2	1
		IBX	215.00	216.12	937466	1.12	0.005	0.01	0.2	0.4
		Similar as unit 168.45-209m.								
		Medium grey intrusive breccia with 25:75, Clast:Matrix.								
		Matrix: 25%, 0.5-2mm, subhedral, grey, plagioclase phenocrysts. Mafics are destroyed by strong, pervasive sericite-carbonate overprinting.								
		Clasts are 1-10cm, subrounded: Different types of intrusive and shades of grey. Some with plagioclase phenocryst 1-2mm, some up to 4mm and white from carbonate replacement. Few with strong pyrite mineralization. Strong to at times intense sericite overprinting. Rare, light tan, Stuhini siltstone clasts.								
		4% pyrite disseminated in mafic sites and groundmass in both matrix and clasts. Lower contact sharp at 30 degrees TCA.								
216.12	218.45	DQCA	216.12	217.50	937467	1.38	0.002	0.00	<0.1	0.5
		DQCA	217.50	218.45	937468	0.95	0.003	0.00	0.1	0.9
		Light tan, very fine grained dyke with 5%, 1-2mm, rounded, quartz+/-carbonate amygdules. Lower contact sharp at 20 degrees TCA.								
218.45	241.49	TBX	218.45	220.00	937469	1.55	0.006	0.02	0.3	2.4

Red Chris Project

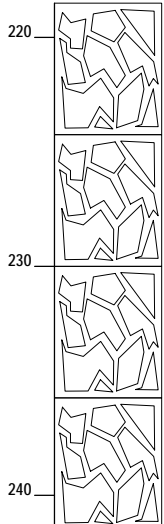
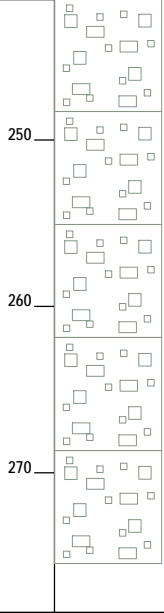
Diamond Drill Log

Hole Number:

RC10-428

Logged by: SE

Date: 2011/12/20

From	To	Rocktype & Description	From	To	Sample	Width	Cu (%)	Au (g/t)	Ag (ppm)	Mo (ppm)	
TBX Light grey tectonically brecciated monzodiorite. 15%, 0.5-1mm, white plagioclase phenocrysts. Mafics are destroyed by intense to strong, pervasive sericite-carbonate overprinting. Frequent crushed and rehealed core, rubbly sections and cm fault gouge. Meter to dm sections of intrusive breccia as described in unit 212.83-216.12m. 10% D veins, mm pyrite+/-qtz-cb veins at random angles with mm sericite alt halos. 5% pyrite in D veins> disseminated and blebby in mafic sites. Lower contact sharp at 50 degrees TCA.		220	220.00	222.50	937470	2.50	0.004	0.01	0.2	1.5	
		222.50	222.50	937471	0.00						
		222.50	225.00	937472	2.50	0.003	0.02	0.3	1.4		
		225.00	227.50	937473	2.50	0.005	0.02	0.4	1.6		
		227.50	230.00	937474	2.50	0.003	0.01	0.2	1.9		
		227.50	230.00	937475	2.50						
		230.00	232.50	937476	2.50	0.011	0.02	0.3	3.2		
		232.50	235.00	937477	2.50	0.003	0.02	0.3	1.8		
		235.00	237.50	937478	2.50	0.005	0.01	0.2	1.4		
		237.50	237.50	937479	0.00						
		237.50	240.00	937480	2.50	0.003	0.01	0.1	1		
		240.00	241.49	937481	1.49	0.005	0.02	0.2	2.1		
		241.49	242.50	937482	1.01	0.003	0.01	<0.1	1.3		
MDIS Light to medium grey to brown-grey monzodiorite. 30-35%, 0.5-1mm, subhedral to euhedral, buff plagioclase phenocrysts, not quite touching each other and very faint due to alteration. Often phenocrysts are completely overprinted by intense to strong, pervasive sericite overprinting. Rare dm sections of intrusive breccia and crushed/rehealed core. 5-7% D veins of mm pyrite with mm sericite alt halos at random angles. 3% pyrite disseminated throughout> as mm pyrite veins. Lower contact sharp at 15 degrees TCA. « py 3.00%»		242.50	242.50	245.00	937483	2.50	0.003	0.01	0.1	1.3	
		242.50	245.00	937484	2.50						
		245.00	247.50	937485	2.50	0.007	0.01	0.2	2.1		
		247.50	250.00	937486	2.50	0.008	0.02	0.2	1.8		
		250.00	252.50	937487	2.50	0.002	0.00	<0.1	1.1		
		252.50	255.00	937488	2.50	0.005	0.00	<0.1	0.9		
		255.00	255.00	937489	0.00						
		255.00	257.50	937490	2.50	0.004	0.00	0.1	1.4		
		257.50	260.00	937491	2.50	0.003	0.01	<0.1	1.3		
		260.00	262.50	937492	2.50	0.002	0.00	<0.1	1.3		
		262.50	265.00	937493	2.50	0.002	0.00	<0.1	1.1		
		265.00	267.50	937494	2.50	0.002	0.00	<0.1	1		
		267.50	270.00	937495	2.50	0.002	0.01	0.1	1		
270.00	270.00	937496	0.00								
270.00	272.50	937497	2.50	0.005	0.02	0.3	1.3				
272.50	275.00	937498	2.50	0.008	0.01	0.5	1.7				
275.00	277.50	937499	2.50	0.003	0.00	0.3	1.3				
277.50	280.00	937500	2.50	0.002	0.01	<0.1	1.2				

Red Chris Project

Diamond Drill Log

Hole Number:

RC10-428

Logged by: SE

Date: 2011/12/20

From	To	Rocktype & Description	From	To	Sample	Width	Cu (%)	Au (g/t)	Ag (ppm)	Mo (ppm)
			280.00	282.50	937501	2.50	0.003	0.00	<0.1	1
			280.00	282.50	937502	2.50				
			282.50	285.00	937503	2.50	0.003	0.00	<0.1	1.2
			285.00	287.50	937504	2.50	0.005	0.00	0.1	1.3
			287.50	289.03	937505	1.53	0.005	0.00	0.2	1.6
289.03	290.93	DQCA	289.03	290.00	937506	0.97	0.001	0.00	<0.1	0.4
		DQCA	290.00	290.93	937507	0.93	0.001	0.00	<0.1	0.5
		Tan, fine grained dyke with 3%, 1-2mm, rounded, white, carbonate amygdules. 10%, <0.5mm, plagioclase micro-phenocrysts. Lower contact sharp at 20 degrees TCA.								
290.93	295.77	TBX	290.93	292.50	937508	1.57	0.008	0.00	0.2	2.2
		TBX	292.50	292.50	937509	0.00				
		Similar to unit below. Core is heavily crushed and rehealed with cm fault gouge. Tectonic breccia clasts are 1-4cm, subrounded.	292.50	295.00	937510	2.50	0.003	0.01	0.3	1.3
		3% pyrite disseminated throughout.	295.00	295.77	937511	0.77	0.006	0.02	0.5	3.2
		« py 3.00%»								
295.77	350.29	MD	295.77	297.50	937512	1.73	0.002	0.01	0.2	1.2
		MDiS	297.50	300.00	937513	2.50	0.003	0.01	0.4	1.6
		Medium grey monzodiorite. Intense to strong, pervasive sericite overprinting. Phenocrysts are difficult to discern. Rare 20cm section of intrusive breccia. Increase in crushed/rehealed rock in dm sections over last 20m of unit.	300.00	302.50	937514	2.50	0.002	0.01	0.1	1.2
		3% mm pyrite vein at random angles with mm sericite halos, D veins.	302.50	305.00	937515	2.50	0.002	0.01	0.2	1.3
		3% pyrite disseminated throughout> as mm pyrite veins.	305.00	307.50	937516	2.50	0.005	0.01	0.8	2.1
		« py 3.00%»	307.50	310.00	937517	2.50	0.004	0.01	0.4	1
			310.00	310.00	937518	0.00				
			310.00	312.50	937519	2.50	0.001	0.01	<0.1	1.3
			312.50	315.00	937520	2.50	0.015	0.02	0.2	2.8
			315.00	317.50	937521	2.50	0.001	0.01	0.1	1.4
			317.50	320.00	937522	2.50	0.003	0.01	<0.1	1
			320.00	322.50	937523	2.50	0.002	0.00	0.1	1
			320.00	322.50	937524	2.50				
			322.50	325.00	937525	2.50	0.002	0.01	0.4	1.2
			325.00	327.50	937526	2.50	0.003	0.01	0.6	1.1

Red Chris Project

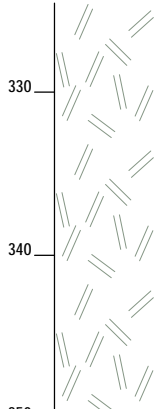


Diamond Drill Log

Hole Number:

RC10-428

Logged by: SE

Date: 2011/12/20

From	To	Rocktype & Description	From	To	Sample	Width	Cu (%)	Au (g/t)	Ag (ppm)	Mo (ppm)	
			327.50	330.00	937527	2.50	0.003	0.01	0.4	1.3	
			330.00	332.50	937528	2.50	0.002	0.00	0.5	1.1	
			332.50	332.50	937529	0.00					
			332.50	335.00	937530	2.50	0.003	0.01	0.3	1.1	
			335.00	337.50	937531	2.50	0.003	0.01	0.3	1.3	
			337.50	340.00	937532	2.50	0.003	0.01	0.3	1.5	
			340.00	342.50	937533	2.50	0.001	0.00	0.1	1.2	
			342.50	345.00	937534	2.50	0.001	0.01	0.2	1.3	
			345.00	347.50	937535	2.50	0.000	0.01	0.2	1.3	
			347.50	347.50	937536	0.00					
			347.50	350.00	937537	2.50	0.000	0.02	0.2	1.3	
			350.00	350.29	937538	0.29	0.000	0.02	0.4	5.3	
350.29	375.95		TBX	350.29	352.50	937539	2.21	0.000	0.02	0.3	1.2
			<p>TBX</p> <p>Similar to above units with meter sections of crushed/rehealed core. Tectonic breccia clasts are 2-5cm, subrounded.</p> <p>4% pyrite disseminated and blebby in mafic sites and groundmass > mm pyrite veins.</p> <p>« py 4.00%»</p> 	352.50	355.00	937540	2.50	0.003	0.00	0.3	1.2
		355.00		357.50	937541	2.50	0.001	0.00	0.1	0.7	
		357.50		360.00	937542	2.50	0.003	0.00	0.2	2.3	
		360.00		362.50	937543	2.50	0.009	0.01	0.4	4.6	
		362.50		365.00	937544	2.50	0.013	0.01	0.4	2.7	
		365.00		367.50	937545	2.50	0.002	0.00	0.2	1.3	
		365.00		367.50	937546	2.50					
		367.50		370.00	937547	2.50	0.002	0.00	0.1	0.9	
			370.00	372.50	937548	2.50	0.002	0.00	0.1	0.8	
			372.50	375.00	937549	2.50	0.002	0.01	0.2	1.2	
			375.00	375.95	937550	0.95	0.001	0.01	0.2	0.9	
375.95	386.95		S	375.95	377.50	937551	1.55	0.010	0.02	0.2	0.4
			<p>S ss</p> <p>Quartz-sericite-pyrite altered Stuhini cut with fingers of MD. Quartz-pyrite replaces the mafic sites in the volcanics. Loc mariposite. 1% D-veins.</p> <p>MD fingers are 35% 1-4mm plag, with extremely ragged to destroyed margins (due to qsp). Mafics have been completely destroyed by qsp.</p> <p>Upper contact is sheared/foliated at 75 tca. Towards lower contact, unit is</p>	377.50	380.00	937552	2.50	0.007	0.01	0.2	1.1
				380.00	380.00	937553	0.00				
		380.00		382.50	937554	2.50	0.015	0.02	1.7	1.5	
		382.50		385.00	937555	2.50	0.008	0.01	1.3	1.2	
			385.00	386.95	937556	1.95	0.008	0.09	0.9	11	

Red Chris Project

Diamond Drill Log

Hole Number:

RC10-428

Logged by: SE

Date: 2011/12/20

From	To	Rocktype & Description	From	To	Sample	Width	Cu (%)	Au (g/t)	Ag (ppm)	Mo (ppm)
		intrusively brecciated. This intrusive contains quartz clasts.								
		« py » « qtz 1.00%»								
386.95	390.24	TBX	386.95	387.50	937557	0.55	0.002	0.01	0.4	0.8
		TBX	387.50	390.00	937558	2.50	0.007	0.01	1	1.3
		Tectonically brecciated MD. Crumbly sericite rich matrix with ground up clasts of MD. MD is same as unit described below.	390.00	390.00	937559	0.00				
		« py 3.50%»	390.00	390.24	937560	0.24	0.001	0.01	0.3	0.8
390.24	417.37	MD	390.24	392.50	937561	2.26	0.003	0.00	0.4	0.8
		MD ss	392.50	395.00	937562	2.50	0.004	0.01	0.6	1.6
		Grey, qsp altered MD with occasional rafts of Stuhini (ex 392.60-393.86m). 30% 1-3mm plagioclase, edges rounded by alteration. Mafics destroyed to completely replaced with quartz-pyrite. Fine grained groundmass. 2% 1mm wide quartz-pyrite veins with 2-4mm texture destructive halos. In the Stuhini raft mentioned above, there is a good example of changing depositional environments as Stuhini progresses from conglomerate to sandstone/wacke.	395.00	395.00	937563	0.00				
		« qtz 2.00%» « py 5.00%»	395.00	397.50	937564	2.50	0.004	0.01	1.3	1.1
			397.50	400.00	937565	2.50	0.003	0.01	1	0.8
			400.00	402.50	937566	2.50	0.004	0.01	0.6	0.6
			402.50	405.00	937567	2.50	0.003	0.01	0.5	0.7
			405.00	407.50	937568	2.50	0.002	0.02	0.8	2.1
			405.00	407.50	937569	2.50				
			407.50	410.00	937570	2.50	0.008	0.01	0.9	3.9
			410.00	412.50	937571	2.50	0.003	0.01	0.5	1.2
			412.50	415.00	937572	2.50	0.002	0.00	0.4	2.3
			415.00	417.37	937573	2.37	0.003	0.01	0.8	5.4
417.37	429.97	MD	417.37	420.00	937574	2.63	0.005	0.01	0.5	0.8
		MD	420.00	420.00	937575	0.00				
		Same as unit above, but locally TBX'd. Matrix is crumbly and sericite rich with ground up clasts.	420.00	422.50	937576	2.50	0.004	0.01	0.6	0.9
		« qtz 2.00%» « py 5.00%»	422.50	425.00	937577	2.50	0.006	0.01	1	0.7
			425.00	427.50	937578	2.50	0.006	0.01	1.3	1.1
			427.50	429.97	937579	2.47	0.003	0.01	0.3	0.6
429.97	442.99	MD	429.97	432.50	937580	2.53	0.003	0.01	0.1	0.4
		flt MD mS	432.50	435.00	937581	2.50	0.004	0.02	0.5	0.5
		Chilled upper contact fragmentally brecciated overlying unit. 40-45% seriate (0.5-3.5mm) plagioclase phenocrysts, margins variably digested to untouched by qsp	435.00	437.50	937582	2.50	0.004	0.01	0.6	0.5
			437.50	440.00	937583	2.50	0.004	0.02	0.5	0.6
			440.00	440.00	937584	0.00				

Red Chris Project

Diamond Drill Log

Hole Number:

RC10-428

Logged by: SE

Date: 2011/12/20

From	To	Rocktype & Description	From	To	Sample	Width	Cu (%)	Au (g/t)	Ag (ppm)	Mo (ppm)
		alteration. 20% 2-5mm hb phenos are completely replaced with quartz-pyrite-sericite and crystal shapes are fuzzy and difficult to distinguish. Gm is aplitic and hosts disseminated pyrite. Veins are limited to <1%, 2mm wide dark pyrite only veins with no halos and 1% qtz-cb veins. Very locally, unit is tbx'd and sheared.	440.00	442.50	937585	2.50	0.003	0.01	0.2	0.5
			442.50	442.99	937586	0.49	0.001	0.01	<0.1	0.4
		« qtz 0.50% » « py 1.50% »								
442.99	444.97	DQCA	442.99	444.97	937587	1.98	0.002	0.01	<0.1	1
		DQCA								
		Qtz-cb amygduloidal dyke.								
444.97	541.24	MD	444.97	447.50	937588	2.53	0.001	0.01	<0.1	0.6
		MD mS	447.50	447.50	937589	0.00				
		40-45% seriate (0.5-3.5mm) plag phenos, margins variably digested to untouched by qsp alteration. 20% 2-5mm hb phenos are variably completely replaced with quartz-pyrite-sericite and crystal shapes are fuzzy and difficult to distinguish OR are tan-pink and eu/subhedral. Gm is aplitic and hosts disseminated pyrite. Veins are limited to <1%, 2mm wide dark pyrite only veins with no halos and 1% qtz-cb veins. Very locally, unit is tbx'd and sheared.	447.50	450.00	937590	2.50	0.003	0.01	0.1	0.3
			450.00	452.50	937591	2.50	0.002	0.01	0.4	0.7
			452.50	455.00	937592	2.50	0.007	0.02	1	7.2
			455.00	457.50	937593	2.50	0.014	0.02	1.5	3
			457.50	460.00	937594	2.50	0.010	0.02	1.1	2.2
			457.50	460.00	937595	2.50				
			460.00	462.50	937596	2.50	0.000	0.02	0.3	0.4
			462.50	465.00	937597	2.50	0.000	0.01	<0.1	0.2
			465.00	467.50	937598	2.50	0.001	0.03	0.2	0.6
			467.50	470.00	937599	2.50	0.001	0.02	0.3	1
			470.00	472.50	937600	2.50	0.002	0.01	0.2	0.6
			472.50	475.00	937601	2.50	0.003	0.03	0.5	0.7
			475.00	477.50	937602	2.50	0.000	0.03	0.2	0.4
			477.50	480.00	937603	2.50	0.001	0.03	0.2	0.6
			480.00	482.50	937604	2.50	0.000	0.01	<0.1	0.3
			482.50	485.00	937605	2.50	0.000	0.01	0.1	0.4
			482.50	485.00	937606	2.50				
			485.00	487.50	937607	2.50	0.001	0.01	0.5	0.5
			487.50	490.00	937608	2.50	0.002	0.02	0.7	1.3
			490.00	492.50	937609	2.50	0.006	0.01	2.1	0.8
			492.50	495.00	937610	2.50	0.006	0.03	1.9	1
			495.00	495.00	937611	0.00				

Red Chris Project

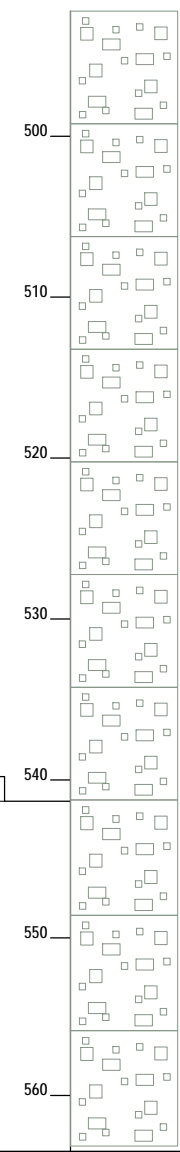
Diamond Drill Log

Hole Number:

RC10-428

Logged by: SE

Date: 2011/12/20

From	To	Rocktype & Description	From	To	Sample	Width	Cu (%)	Au (g/t)	Ag (ppm)	Mo (ppm)
			495.00	497.50	937612	2.50	0.004	0.02	1	0.6
			497.50	500.00	937613	2.50	0.003	0.01	0.2	0.3
			500.00	502.50	937614	2.50	0.004	0.02	0.2	0.4
			502.50	505.00	937615	2.50	0.003	0.01	0.2	0.6
			505.00	507.50	937616	2.50	0.004	0.01	0.2	0.3
			507.50	510.00	937617	2.50	0.003	0.01	0.2	0.5
			510.00	510.00	937618	0.00				
			510.00	512.50	937619	2.50	0.006	0.01	0.7	0.5
			512.50	515.00	937620	2.50	0.003	0.01	0.5	0.5
			515.00	517.50	937621	2.50	0.003	0.01	0.4	0.4
			517.50	520.00	937622	2.50	0.003	0.01	0.6	0.5
			520.00	522.50	937623	2.50	0.000	0.01	0.6	0.8
			522.50	522.50	937624	0.00				
			522.50	525.00	937625	2.50	0.000	0.00	<0.1	0.5
			525.00	527.50	937626	2.50	0.003	0.00	0.1	0.7
			525.00	527.50	937626	2.50	0.000	0.00	<0.1	0.7
			527.50	530.00	937627	2.50	0.000	0.00	0.2	0.6
			530.00	532.50	937628	2.50	0.000	0.01	0.6	0.7
			532.50	535.00	937629	2.50	0.007	0.01	1.3	0.8
			535.00	537.50	937630	2.50	0.006	0.04	1.5	0.9
		535.00	537.50	937631	2.50					
		537.50	540.00	937632	2.50	0.006	0.01	1.4	0.7	
		540.00	541.24	937633	1.24	0.003	0.01	0.4	1.8	
541.24	585.20	MD	541.24	542.50	937634	1.26	0.003	0.01	0.3	0.5
		flt MD mS Same as overlying unit, but localized moderate faulting. Faulted surfaces dominantly 10-40 tca. 40-45% seriate (0.5-3.5mm) plag phenos, margins variably digested to untouched by qsp alteration. 20% 2-5mm hb phenos are variably completely replaced with quartz-pyrite-sericite and crystal shapes are fuzzy and difficult to distinguish OR are tan-pink and eu/subhedral. Gm is aplitic and hosts disseminated pyrite. Veins are limited to <1%, 2mm wide dark pyrite only veins with no halos and 1% qtz-cb veins. Very locally, unit is tbx'd and sheared.	542.50	545.00	937635	2.50	0.004	0.01	0.3	0.7
			545.00	547.50	937636	2.50	0.020	0.01	1.1	1.4
			547.50	547.50	937637	0.00				
			547.50	550.00	937638	2.50	0.009	0.01	0.6	1.3
			550.00	552.50	937639	2.50	0.002	0.01	0.4	0.7
			552.50	555.00	937640	2.50	0.001	0.01	0.1	0.7
			555.00	557.50	937641	2.50	0.000	0.01	0.4	0.7
			557.50	560.00	937642	2.50	0.003	0.01	1.5	0.7
			557.50	560.00	937643	2.50				
			560.00	562.50	937644	2.50	0.003	0.01	0.5	0.7

Red Chris Project

Diamond Drill Log

Hole Number:

RC10-428

Logged by: SE

Date: 2011/12/20

From	To	Rocktype & Description	From	To	Sample	Width	Cu (%)	Au (g/t)	Ag (ppm)	Mo (ppm)
		« qtz 0.50%» « py 1.50%»	562.50	565.00	937645	2.50	0.005	0.02	1.4	2.8
			565.00	567.50	937646	2.50	0.001	0.01	0.5	0.7
			567.50	570.00	937647	2.50	0.000	0.01	0.5	0.7
			570.00	570.00	937648	0.00				
			570.00	572.50	937649	2.50	0.003	0.02	1.6	1.6
			572.50	575.00	937650	2.50	0.001	0.01	0.7	1.1
			575.00	577.50	937651	2.50	0.004	0.02	1.2	1.9
			577.50	580.00	937652	2.50	0.006	0.03	2.4	2.4
			580.00	582.50	937653	2.50	0.009	0.03	2.9	1.1
			582.50	585.20	937654	2.70	0.002	0.01	1.4	2.4
585.20	588.77	DQCA	585.20	588.77	937655	3.57	0.001	0.00	0.5	6.7
		DQCA								
		Quartz carbonate amygdaloidal dyke.								
588.77	603.28	MD	588.77	590.00	937656	1.23	0.000	0.00	0.1	0.8
		MD mS	590.00	592.50	937657	2.50	0.002	0.01	1.2	0.9
			592.50	595.00	937658	2.50	0.003	0.02	1.8	0.9
			595.00	595.00	937659	0.00				
			595.00	597.50	937660	2.50	0.002	0.02	1.3	0.7
			597.50	600.00	937661	2.50	0.001	0.02	1	0.9
			600.00	602.50	937662	2.50	0.001	0.01	0.3	0.7
			602.50	603.28	937663	0.78	0.002	0.02	0.6	0.7
			602.50	603.28	937664	0.78				
		« qtz 0.50%» « py 0.20%»								
603.28	612.40	MD	603.28	605.00	937665	1.72	0.002	0.02	0.6	0.9
		FLT	605.00	607.50	937666	2.50	0.005	0.03	1	1.1
			607.50	610.00	937667	2.50	0.009	0.05	0.9	1.5
			610.00	612.40	937668	2.40	0.002	0.02	0.8	1
		« py 0.40%»								
612.40	629.17	MD	612.40	612.40	937669	0.00				
		flt MDwS	612.40	612.50	937670	0.10	0.004	0.00	<0.1	0.9
			612.50	615.00	937671	2.50	0.001	0.02	0.8	0.5

Red Chris Project

Diamond Drill Log

Hole Number:

RC10-428

Logged by: SE

Date: 2011/12/20

From	To	Rocktype & Description	From	To	Sample	Width	Cu (%)	Au (g/t)	Ag (ppm)	Mo (ppm)
		<p>Light gray to tan in appearance, intrusive, weakly altered by k-silicate and sericite due to minor biotite and slightly waxy plag. phenos, respectively. Plag phenos are 1-4mm sub hedral and compose 20% of the mode. Mafic sites are 1-5mm diffuse and compose 10% of the mode. Interval contains sections of FLT breccia that appears healed. Breccia is clast dominated, with clasts ranging from 1-6cm, and are both volcanic and intrusive.</p> <p>Very minor magnetic suseptibility. 3% A-veins roughly 45 degrees TCA. Mineralization occurs mainly at mafic sites but minor amounts are disseminated through veins.</p> <p>Bottom contact appears chilled for approximately 1m, due to dominant aphanitic groundmass and reduced minor phenocrysts, before minor faulting and contact with volcanic.</p> <p>Rock competency increases, but faulted surfaces are still present. Alteration changes to hem/Kfsp overprinting below the East Zone Fault logged above, but rock is definitely less fresh and textures far more muted than we have seen higher up the hole.</p> <p>Hole reduced at 626.97m, blank HQ lowered and hole paused for the Christmas break. Will start with NQ next year.</p> <p>« py 1.00%» « qtz 3.00%»</p>	615.00	617.50	937672	2.50	0.000	0.03	0.7	0.8
			617.50	620.00	937673	2.50	0.002	0.01	0.4	0.6
			620.00	622.50	937674	2.50	0.007	0.03	2.6	2.8
			622.50	625.00	937675	2.50	0.013	0.07	8	2.9
			625.00	625.00	937676	0.00				
			625.00	627.50	937677	2.50	0.021	0.06	3.3	0.6
			627.50	629.17	937678	1.67	0.014	0.04	1.7	1.4
629.17	736.38	S	629.17	630.00	937679	0.83	0.034	0.19	2.7	2.3
		<p>Variable unit, looks to be volcanic with localized sedimentary xenoliths and intrusive fingers. Dark gray in colour. Weak to variably texture muting/destructive patchy Chl, Hem, Ser. Localized faulting. Interval contains 0.5-3mm hornblend accounting for 4% of the mode, which are bound in an aphanitic gray/greenish groundmass. Minor coarse grained section are present.</p> <p>Local EP and maraposite blebs. PY mineralization occurs as pervasive</p>	630.00	632.50	937680	2.50	0.036	0.22	6	1
			632.50	632.50	937681	0.00				
			632.50	635.00	937682	2.50	0.032	0.16	5	0.5
			635.00	637.50	937683	2.50	0.044	0.16	5	1
			637.50	640.00	937684	2.50	0.022	0.07	4.4	1.3
			640.00	642.50	937685	2.50	0.019	0.11	4.7	2
			642.50	642.50	937686	0.00				
			642.50	645.00	937687	2.50	0.016	0.03	0.7	0.8
			645.00	647.50	937688	2.50	0.012	0.02	0.8	2.4

Red Chris Project

Diamond Drill Log

Hole Number:

RC10-428

Logged by: SE

Date: 2011/12/20

From	To	Rocktype	& Description	From	To	Sample	Width	Cu (%)	Au (g/t)	Ag (ppm)	Mo (ppm)
			disseminations and as blebs in local veins. Vein density is <1% A-veins roughly oriented 45 degrees TCA. 1-3cm Qtz/Py amygdules present in some sections. Very minor magnetic suseptibility. Locally Py increases to 12%. 10cm fault gouge contact at 45 degrees TCA.	650							
			« py 5.00%»	660							
				670							
				680							
				690							
				700							
				710							
				720							

Red Chris Project

Diamond Drill Log

Hole Number:

RC10-428

Logged by: SE

Date: 2011/12/20

From	To	Rocktype & Description	From	To	Sample	Width	Cu (%)	Au (g/t)	Ag (ppm)	Mo (ppm)
			725.00	727.50	937724	2.50	0.014	0.03	1	1.2
			727.50	727.50	937725	0.00				
			727.50	730.00	937726	2.50	0.019	0.03	0.8	2.1
			730.00	732.50	937727	2.50	0.011	0.04	0.6	4.1
			732.50	735.00	937728	2.50	0.011	0.03	0.6	3.5
			735.00	736.38	937729	1.38	0.023	0.09	2.4	0.9
736.38	740.84	MD	736.38	737.50	937730	1.12	0.006	0.02	0.4	1.7
		MD	737.50	740.00	937731	2.50	0.008	0.02	0.4	1.4
			737.50	740.00	937732	2.50				
		Medium grained, barren monzodiorite finger. Light rusty brown in colour. Strong to intense patchy sericite/hemaite alteration, locally texture destructive/texture muting. 12%, 1-3mm hornblend; sericite>> PY (partial) replacment. 30-35%, 1-3mm plag phenos. PY mineralization occurs as disseminations and blebs. Faulted lower contact at 45 degrees TCA.	740.00	740.84	937733	0.84	0.007	0.04	1.1	1.9
		« py 5.00%»								
740.84	753.72	S	740.84	742.50	937734	1.66	0.119	0.48	12.7	4.1
		ba S	742.50	745.00	937735	2.50	0.060	0.28	8.1	0.8
			745.00	747.50	937736	2.50	0.027	0.05	0.5	1.7
		Stuhini basalt, grey to black/green in colour. Variable sericite/chlorite alteration, predominantly texture destructive. Pervasive, Py disseminations and blebs. Sharp lower contact at 45 degrees TCA.	747.50	750.00	937737	2.50	0.005	0.02	0.3	0.9
			750.00	752.50	937738	2.50	0.016	0.04	0.8	1.5
			752.50	752.50	937739	0.00				
			752.50	753.72	937740	1.22	0.025	0.09	1.6	2.2
		« py 10.00%»								
753.72	778.16	S	753.72	755.00	937741	1.28	0.005	0.03	0.4	7.3
		st S	755.00	757.50	937742	2.50	0.003	0.02	0.3	5
			757.50	760.00	937743	2.50	0.016	0.05	0.6	4.6
		Stuhini siltstone>sandstone, tan to dark brown in colour. Fractured interval with local units of rubble rock. Pervasive, PY disseminations. 20cm gradual lower contact, subsequent interval is differentiated by intrusive fingers fingers and localized faulting.	760.00	762.50	937744	2.50	0.010	0.05	0.7	9.2
			762.50	765.00	937745	2.50	0.007	0.04	0.2	9
			765.00	765.00	937746	0.00				
			765.00	767.50	937747	2.50	0.027	0.07	0.8	2.4
			767.50	770.00	937748	2.50	0.010	0.05	0.3	18.3
			770.00	772.50	937749	2.50	0.009	0.05	0.3	10.2
		« py 6.00%»	772.50	775.00	937750	2.50	0.011	0.04	0.2	12.1

Red Chris Project

Diamond Drill Log

Hole Number:

RC10-428

Logged by: SE

Date: 2011/12/20

From	To	Rocktype & Description	From	To	Sample	Width	Cu (%)	Au (g/t)	Ag (ppm)	Mo (ppm)
			775.00	777.50	937751	2.50	0.008	0.06	0.7	4.9
			777.50	777.50	937752	0.00				
			777.50	778.16	937753	0.66	0.019	0.05	1.3	1.3
777.08	821.10	S	777.50	777.50	937752	0.00				
		st S	777.50	778.16	937753	0.66	0.019	0.05	1.3	1.3
			778.16	780.00	937754	1.84	0.026	0.03	1.5	3.2
		Stuhini siltstone>>sandstone with local fingers/units of strong/intense sericite altered MD. Unit is fractured throughout with local zones of rubble rock/ faulting, local fault gouge plugs. PY mineralization occurs as pervasive disseminations/blebs. 1% quartz carbonate fracture fill with lesser veinlets/stringers at variable orientations TCA. Lower contact at marked by increasingly pervasive intrusive. Last 20cm marked by a DMAF. Sharp contact at 70degrees TCA.	780.00	782.50	937755	2.50	0.008	0.04	0.7	9.6
			782.50	785.00	937756	2.50	0.012	0.04	0.5	3
			782.50	785.00	937757	2.50				
			785.00	787.50	937758	2.50	0.013	0.04	0.9	4.7
			787.50	790.00	937759	2.50	0.014	0.04	0.8	3.5
			790.00	792.50	937760	2.50	0.011	0.14	1.8	18.7
			792.50	792.50	937761	0.00				
			792.50	795.00	937762	2.50	0.013	0.04	0.5	5.9
		« py 8.00%»	795.00	797.50	937763	2.50	0.011	0.04	0.5	3.5
			797.50	800.00	937764	2.50	0.010	0.03	0.3	3.9
			800.00	802.50	937765	2.50	0.009	0.04	0.5	6.1
			802.50	805.00	937766	2.50	0.008	0.07	0.9	3.2
			802.50	805.00	937767	2.50				
			805.00	807.50	937768	2.50	0.076	0.13	1.2	1.1
			807.50	810.00	937769	2.50	0.019	0.06	0.4	2.2
			810.00	812.50	937770	2.50	0.018	0.08	0.9	3.9
			812.50	815.00	937771	2.50	0.014	0.05	0.3	2.5
			815.00	817.50	937772	2.50	0.015	0.06	0.5	5
			817.50	820.00	937773	2.50	0.027	0.09	0.3	2.2
			820.00	821.10	937774	1.10	0.012	0.06	0.3	1
821.10	848.54	MD	821.10	822.50	937775	1.40	0.007	0.03	0.7	60.7
		MD ss	822.50	822.50	937776	0.00				
		Medium grained monzodiorite, grey in colour. Strong to locally intense, pervasive sericite alteration. Moderately fractured core. PY mineralization occurs as pervasive disseminations. <1% quartz carb veins and stringers at variable orientations TCA. Sharp lower fault contact at 45 degrees TCA, marked by a fault gouge plug.	822.50	825.00	937777	2.50	0.004	0.03	0.3	4.9
			825.00	827.50	937778	2.50	0.006	0.03	0.3	2.5
			827.50	830.00	937779	2.50	0.002	0.04	0.2	3.5
			830.00	832.50	937780	2.50	0.020	0.09	0.5	2.2
			832.50	835.00	937781	2.50	0.012	0.07	0.2	2.9
			835.00	837.50	937782	2.50	0.011	0.08	0.1	1.4

Red Chris Project

Diamond Drill Log

Hole Number:

RC10-428

Logged by: SE

Date: 2011/12/20

From	To	Rocktype & Description	From	To	Sample	Width	Cu (%)	Au (g/t)	Ag (ppm)	Mo (ppm)
			837.50	840.00	937783	2.50	0.018	0.08	0.3	1.4
			837.50	840.00	937784	2.50				
			840.00	842.50	937785	2.50	0.019	0.06	0.2	7
			842.50	845.00	937786	2.50	0.012	0.04	0.2	3.6
			845.00	847.50	937787	2.50	0.016	0.03	0.2	17
			847.50	847.50	937788	0.00				
			847.50	848.54	937789	1.04	0.016	0.03	0.9	47.9
848.54	876.78	S	848.54	850.00	937790	1.46	0.025	0.05	0.3	4.3
		st S	850.00	852.50	937791	2.50	0.014	0.06	0.1	2.3
		Stuhini siltstone>>sandstone with local fingers/units of strong/intense sericite altered MD. Unit is moderately to locally fractured. PY mineralization occurs as pervasive disseminations/blebs.	852.50	855.00	937792	2.50	0.006	0.05	0.3	7.6
			855.00	857.50	937793	2.50	0.014	0.04	0.2	7.3
			857.50	860.00	937794	2.50	0.020	0.06	0.3	13.6
			860.00	862.50	937795	2.50	0.021	0.03	0.3	3.5
			862.50	865.00	937796	2.50	0.031	0.05	0.5	4
			865.00	867.50	937797	2.50	0.012	0.04	0.3	5.8
			867.50	867.50	937798	0.00				
			867.50	870.00	937799	2.50	0.035	0.06	0.4	3.1
			870.00	872.50	937800	2.50	0.010	0.04	0.2	5.2
			872.50	875.00	937801	2.50	0.019	0.04	0.2	5.2
			875.00	876.78	937802	1.78	0.020	0.06	0.2	5.2
876.78	957.90	MD	876.78	877.50	937803	0.72	0.010	0.03	0.1	1.2
		MD ss	877.50	880.00	937804	2.50	0.020	0.04	0.3	8.8
		Medium grained monzodiorite, grey in colour. Strong to locally intense sericite alteration, texture muting to locally destructive. Patchy weak hem overprint. 10%, 1-4mm hornblend pheons, predominantly replaced by sericite>PY. 40%, 1-3mm plag phenos, fuzzy margins. Aphanitic to aplitic groundmass. 3-5% quartz carbonate flooding, veins and stringers at variable orientations TCA. Rare, local D veins. Trace gypsum in quartz carb veins. Moderately fractured unit. PY mineralization occurs as pervasive disseminations, blebs and lesser sulphide veins. Rare blebs of CPY, low trace. Bottom 16m of interval is marked by an increase in fractures/rubble rock, fault gouge fracture coatings with lesser fault gouge plugs.	880.00	882.50	937805	2.50	0.019	0.04	0.3	1.1
			882.50	882.50	937806	0.00				
			882.50	885.00	937807	2.50	0.018	0.03	0.2	31.8
			885.00	887.50	937808	2.50	0.018	0.02	0.2	33.6
			887.50	890.00	937809	2.50	0.038	0.03	0.2	30.7
			890.00	892.50	937810	2.50	0.033	0.03	0.3	15.8
			892.50	892.50	937811	0.00				
			892.50	895.00	937812	2.50	0.041	0.04	0.3	17.1
			895.00	897.50	937813	2.50	0.021	0.04	0.2	5.7
			897.50	900.00	937814	2.50	0.022	0.03	0.2	35.6
			900.00	902.50	937815	2.50	0.015	0.03	0.2	2
			902.50	905.00	937816	2.50	0.014	0.02	0.2	2.6
			905.00	907.50	937817	2.50	0.008	0.03	0.1	2

Red Chris Project

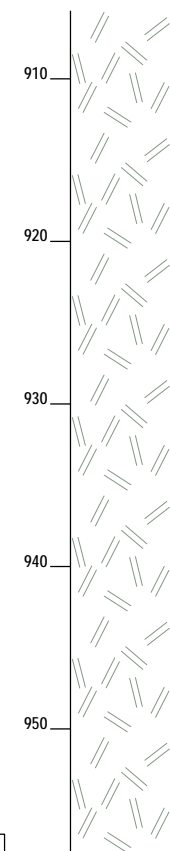
Diamond Drill Log

Hole Number: RC10-428

RC10-428

Logged by: SE

Date: 2011/12/20

From	To	Rocktype & Description	From	To	Sample	Width	Cu (%)	Au (g/t)	Ag (ppm)	Mo (ppm)
			905.00	907.50	937818	2.50				
			907.50	910.00	937819	2.50	0.023	0.03	0.2	23.8
			910.00	912.50	937820	2.50	0.031	0.02	0.1	9.3
			912.50	915.00	937821	2.50	0.035	0.05	0.3	3
			915.00	917.50	937822	2.50	0.116	0.45	1.4	25.9
			917.50	920.00	937823	2.50	0.142	0.44	1.6	4
			920.00	922.50	937824	2.50	0.015	0.02	0.2	1.2
			922.50	922.50	937825	0.00				
			922.50	925.00	937826	2.50	0.084	0.15	2.3	7.4
			925.00	927.50	937827	2.50	0.009	0.04	0.3	5
			927.50	930.00	937828	2.50	0.020	0.04	0.2	2.1
			930.00	932.50	937829	2.50	0.015	0.04	0.2	27.2
			932.50	935.00	937830	2.50	0.017	0.03	0.2	2.9
			935.00	937.50	937831	2.50	0.045	0.06	0.3	3
			937.50	937.50	937832	0.00				
			937.50	940.00	937833	2.50	0.020	0.03	0.2	6.1
			940.00	942.50	937834	2.50	0.042	0.04	0.3	11.8
			942.50	945.00	937835	2.50	0.058	0.09	0.4	5.6
			945.00	947.50	937836	2.50	0.050	0.08	0.9	1.8
			947.50	950.00	937837	2.50	0.025	0.17	1.2	3.3
			950.00	952.50	937838	2.50	0.043	0.06	0.7	3.2
			950.00	952.50	937839	2.50				
			952.50	955.00	937840	2.50	0.014	0.04	0.3	3.6
			955.00	957.50	937841	2.50	0.011	0.01	<0.1	3.6
			957.50	957.90	937842	0.40	0.011	0.02	0.1	4.1
957.90	965.00	S	957.90	960.00	937843	2.10	0.024	0.09	0.2	1.6
st S		Stuhini siltstone, grey to grey/green in colour. Moderate pervasive sericite alteration. Local fingers of the previously described monzodiorite unit. Moderately to highly fractured unit, local faulting (961.30-961.50m) and rubble rock. PY mineralization occurs as pervasive disseminations and blebs. Lower contact marked by a reduction in core competency.	960.00	962.50	937844	2.50	0.061	0.21	3.1	5.1
			962.50	965.00	937845	2.50	0.122	0.16	0.8	2.7

Red Chris Project

Diamond Drill Log

Hole Number:

RC10-428

Logged by: SE

Date: 2011/12/20

From	To	Rocktype & Description	From	To	Sample	Width	Cu (%)	Au (g/t)	Ag (ppm)	Mo (ppm)
« py 10.00% » « tr cpy »										
965.00	966.10	FLT	965.00	966.10	937846	1.10	0.062	0.12	2	3.6
FLT			965.00	966.10	937847	1.10				
Fault, grey in colour. Marked by pervasive fault gouge, very local TBX. Sharp lower contact at 20 TCA.										
« py 3.00% » « tr cpy »										
966.10	994.65	MD	966.10	967.50	937848	1.40	0.048	0.17	0.5	4.4
MD is			967.50	970.00	937849	2.50	0.020	0.15	0.2	3.3
Medium grained monzodiorite, grey in colour. Sporadic plugs of stuhini siltstone. Unit is moderately fractured with sporadic zones faulting and reduced core competency marked by fault gouge. Intense sericite alteration, texture destructive. <1% D veins. PY mineralization occurs as pervasive disseminations, blebs and lesser sulphide veins. Rare blebs of CPY. Sharp lower contact at 70 degrees TCA.			970.00	972.50	937850	2.50	0.011	0.06	0.3	7.8
			972.50	975.00	937851	2.50	0.022	0.13	0.3	1.9
			975.00	977.50	937852	2.50	0.021	0.10	0.2	3.3
			977.50	980.00	937853	2.50	0.010	0.08	0.6	11.8
			980.00	980.00	937854	0.00				
			980.00	982.50	937855	2.50	0.048	0.13	1	45.1
			982.50	985.00	937856	2.50	0.022	0.13	0.4	25.5
« py 8.00% » « tr cpy »			985.00	987.50	937857	2.50	0.036	0.04	0.3	7.6
Stuhini siltstone, grey in colour. Weak to moderate pervasive sericite alteration. Moderately to locally highly fractured, overall decreasing competency towards lower contact margin. <1% D veins. <1% quartz carb fracture filling/stringers at variable orientations TCA. PY mineralization occurs as pervasive disseminations and blebs. Very rare blebs of CPY. EOH, marks lower contact.			987.50	990.00	937858	2.50	0.006	0.04	0.1	7.9
			990.00	992.50	937859	2.50	0.020	0.04	0.2	2.2
			992.50	992.50	937860	0.00				
			992.50	994.65	937861	2.15	0.009	0.03	<0.1	2.9
			994.65	995.00	937862	0.35	0.016	0.02	<0.1	7.2
			995.00	997.50	937863	2.50	0.008	0.03	<0.1	10.8
			997.50	997.50	937864	0.00				
			997.50	1000.00	937865	2.50	0.009	0.04	<0.1	6.4
			1000.00	1002.50	937866	2.50	0.008	0.04	<0.1	5.4
			1002.50	1005.00	937867	2.50	0.009	0.04	0.1	20.3
1005.00	1007.50	937868	2.50	0.011	0.03	<0.1	19.7			
1007.50	1010.00	937870	2.50	0.012	0.02	<0.1	27.7			
1010.00	1012.50	937871	2.50	0.006	0.08	0.2	15.3			
1012.50	1015.00	937872	2.50	0.017	0.09	0.3	11.4			
1015.00	1016.51	937873	1.51	0.014	0.10	0.1	27.5			
1016.51	1016.51	EOH								

APPENDIX D

ASSAY CERTIFICATES



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Red Chris Development Company Ltd.
200 - 580 Hornby St.
Vancouver BC V6C 3B6 Canada

Submitted By: Melissa Darney
Receiving Lab: Canada-Smithers
Received: December 22, 2010
Report Date: September 12, 2011
Page: 1 of 7

CERTIFICATE OF ANALYSIS

SMI10000933.1

CLIENT JOB INFORMATION

Project: Red Chris
Shipment ID: 2114244
P.O. Number: RC10-088
Number of Samples: 163

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
RTRN-RJT Return

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	155	Crush split and pulverize 250g drill core to 200 mesh			SMI
3B02	163	Fire assay fusion Au Pt Pd by ICP-ES	30	Completed	VAN
1DX1	163	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
7AR	163	1:1:1 Aqua Regia digestion ICP-ES analysis	1	Completed	VAN
DIS-RJT	155	Warehouse handling / Disposition of reject			SMI

ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Red Chris Development Company Ltd.
200 - 580 Hornby St.
Vancouver BC V6C 3B6
Canada

CC: Steve Robertson



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. ** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



Acme Analytical Laboratories (Vancouver) Ltd.

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Client: Red Chris Development Company Ltd.

200 - 580 Hornby St.

Vancouver BC V6C 3B6 Canada

Project: Red Chris

Report Date: September 12, 2011

Page: 6 of 7 Part 3

CERTIFICATE OF ANALYSIS

SMI10000933.1

Method	7AR	7AR
Analyte	Cu	Fe
Unit	%	%
MDL	0.001	0.01
942120	Drill Core	0.004 6.89
942121	Drill Core	0.022 6.96
942122	Drill Core	0.009 7.14
942123	Drill Core	0.023 6.57
942124	Drill Core	0.015 6.94
942125	Drill Core	0.017 6.98
942126	Drill Core	0.012 8.23
942127	Drill Core	0.039 6.53
942128	Drill Core	0.011 7.60
942129	Drill Core	0.005 6.57
942130	Drill Core	0.006 6.94
942131	Drill Core	0.041 8.60
937365	Drill Core	0.009 2.77
937366	Drill Core	0.005 2.33
937367	Drill Core	0.003 3.25
937368	Drill Core	0.003 2.72
937369	Rock Pulp	0.265 4.87
937370	Drill Core	0.003 2.43
937371	Drill Core	0.002 2.50
937372	Drill Core	0.002 2.87
937373	Drill Core	0.003 2.74
937374	Rock	0.004 3.79
937375	Drill Core	0.002 2.64
937376	Drill Core	0.003 2.69
937377	Drill Core	0.003 2.79
937378	Drill Core	0.003 2.74
937379	Drill Core	0.003 2.65
937380	Drill Core	0.003 2.77
937381	Drill Core	0.002 2.77
937382	Drill Core	0.003 2.63



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 200 - 580 Hornby St.
 Vancouver BC V6C 3B6 Canada

Project: Red Chris
 Report Date: September 12, 2011

Page: 7 of 7 Part 1

CERTIFICATE OF ANALYSIS

SMI10000933.1

Method	WGHT	3B	3B	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte	Wgt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	
Unit	kg	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	2	3	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	
937383	Drill Core	8.72	<2	<3	<2	5.8	27.7	8.3	185	0.8	28.4	6.0	337	2.46	9.3	<0.5	2.1	242	3.8	0.1	<0.1
937384	Drill Core	8.38	3	7	<2	5.7	28.5	9.2	174	0.7	25.9	6.7	276	2.47	9.5	<0.5	2.1	225	2.8	0.2	<0.1
937385	Drill Core	8.39	2	<3	<2	4.7	30.0	9.0	188	0.6	30.3	7.3	249	2.58	8.7	<0.5	2.1	220	2.2	0.2	<0.1
937386	Rock	0.37	2	5	<2	1.0	46.4	2.6	56	<0.1	392.5	30.7	644	3.50	3.6	<0.5	1.0	83	0.3	0.1	<0.1
937387	Drill Core	9.02	<2	4	<2	2.9	28.6	9.2	129	0.5	26.5	6.9	246	2.40	8.3	<0.5	2.1	286	0.9	0.1	<0.1
937388	Drill Core	3.58	<2	4	<2	5.1	28.8	8.3	173	0.5	29.2	6.7	308	2.48	8.5	<0.5	2.1	260	2.6	0.1	<0.1
937389	Drill Core	5.00	3	<3	2	3.0	39.5	5.0	136	0.3	66.8	9.2	328	2.48	5.6	<0.5	1.3	174	1.5	0.2	<0.1
937390	Drill Core	3.41	2	<3	<2	1.2	47.3	4.5	86	0.1	117.9	14.4	306	3.09	3.3	<0.5	1.3	108	0.3	<0.1	<0.1
937391	Drill Core	5.71	8	8	3	1.2	61.3	7.3	141	0.2	181.9	22.1	439	3.91	8.7	<0.5	1.8	199	0.3	<0.1	0.1
937392	Drill Core	4.32	6	<3	3	1.2	59.5	6.0	122	0.2	173.3	20.8	513	3.38	5.9	<0.5	1.5	184	0.4	0.1	<0.1
937393	Drill Core	4.65	5	6	5	1.3	58.7	6.5	128	0.1	189.7	22.5	512	3.59	6.2	<0.5	1.6	188	0.3	0.1	<0.1
937394	Drill Core	9.55	6	6	3	0.7	68.9	6.7	135	0.1	170.0	20.5	380	3.43	6.0	<0.5	1.8	200	0.4	<0.1	0.1
937395	Drill Core	9.42	<2	<3	<2	0.9	36.3	5.4	58	0.1	78.2	9.3	309	2.07	3.8	<0.5	1.2	128	0.2	<0.1	<0.1



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 200 - 580 Hornby St.
 Vancouver BC V6C 3B6 Canada

Project: Red Chris
 Report Date: September 12, 2011

Page: 7 of 7 Part 2

CERTIFICATE OF ANALYSIS

SMI10000933.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Re	
Unit	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	
MDL	2	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	10	
937383	Drill Core	47	2.18	0.081	7	17	0.61	44	<0.001	<20	1.54	0.268	0.33	<0.1	0.06	7.3	<0.1	1.24	4	4.3	26
937384	Drill Core	45	1.39	0.070	6	17	0.58	59	0.001	<20	1.59	0.292	0.34	<0.1	0.08	7.0	<0.1	1.29	4	4.2	19
937385	Drill Core	44	1.46	0.077	6	19	0.59	39	0.001	<20	1.57	0.287	0.36	<0.1	0.10	7.7	<0.1	1.60	4	4.6	20
937386	Rock	72	2.50	0.066	8	269	4.09	166	0.239	<20	1.60	0.049	0.09	<0.1	0.44	5.4	<0.1	<0.05	5	<0.5	<10
937387	Drill Core	38	1.55	0.075	6	14	0.55	39	<0.001	<20	1.54	0.296	0.35	<0.1	0.09	6.9	<0.1	1.37	3	3.7	21
937388	Drill Core	44	2.16	0.083	7	17	0.58	41	0.001	<20	1.62	0.269	0.37	<0.1	0.08	6.9	<0.1	1.50	4	3.8	18
937389	Drill Core	43	1.95	0.037	4	47	0.81	197	0.001	<20	1.59	0.203	0.20	<0.1	0.04	5.5	<0.1	0.53	4	2.0	<10
937390	Drill Core	48	1.03	0.037	4	74	1.20	272	0.002	<20	1.92	0.169	0.22	<0.1	0.03	6.9	<0.1	0.30	5	<0.5	<10
937391	Drill Core	59	1.85	0.041	5	88	1.53	40	0.002	<20	2.49	0.266	0.41	<0.1	0.13	10.0	<0.1	1.35	6	0.5	<10
937392	Drill Core	53	2.62	0.044	5	81	1.49	55	0.002	<20	2.01	0.206	0.33	<0.1	0.10	9.0	<0.1	1.05	5	<0.5	<10
937393	Drill Core	60	2.36	0.042	5	88	1.59	49	0.002	<20	2.27	0.225	0.37	<0.1	0.10	9.4	<0.1	1.12	6	0.7	<10
937394	Drill Core	65	1.98	0.043	4	79	1.76	389	0.002	<20	2.51	0.255	0.38	<0.1	0.05	10.2	<0.1	0.45	6	0.6	<10
937395	Drill Core	30	1.22	0.026	4	45	0.96	278	0.001	<20	1.55	0.193	0.21	<0.1	0.03	5.1	<0.1	0.21	4	<0.5	<10



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Client: Red Chris Development Company Ltd.
200 - 580 Hornby St.
Vancouver BC V6C 3B6 Canada

Project: Red Chris
Report Date: September 12, 2011

Page: 7 of 7 Part 3

CERTIFICATE OF ANALYSIS

SMI10000933.1

	Method	7AR	7AR
	Analyte	Cu	Fe
	Unit	%	%
	MDL	0.001	0.01
937383	Drill Core	0.002	2.64
937384	Drill Core	0.003	2.57
937385	Drill Core	0.003	2.72
937386	Rock	0.004	3.92
937387	Drill Core	0.002	2.48
937388	Drill Core	0.002	2.64
937389	Drill Core	0.004	2.58
937390	Drill Core	0.004	3.05
937391	Drill Core	0.005	4.01
937392	Drill Core	0.006	4.02
937393	Drill Core	0.006	4.12
937394	Drill Core	0.006	3.77
937395	Drill Core	0.003	2.10



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Acme Analytical Laboratories (Vancouver) Ltd.

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Client: Red Chris Development Company Ltd.
200 - 580 Hornby St.
Vancouver BC V6C 3B6 Canada

Submitted By: Melissa Darney
Receiving Lab: Canada-Smithers
Received: December 29, 2010
Report Date: September 12, 2011
Page: 1 of 6

CERTIFICATE OF ANALYSIS

SMI10000948.1

CLIENT JOB INFORMATION

Project: Red Chris
Shipment ID: 2114361
P.O. Number: RC10-089
Number of Samples: 144

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
RTRN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Red Chris Development Company Ltd.
200 - 580 Hornby St.
Vancouver BC V6C 3B6
Canada

CC: Steve Robertson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 7 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include R200-250, 3B02, 1DX1, 7AR, and DIS-RJT.

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. ** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Client: Red Chris Development Company Ltd.
 200 - 580 Hornby St.
 Vancouver BC V6C 3B6 Canada

Project: Red Chris
Report Date: September 12, 2011

Page: 2 of 6 **Part** 3

CERTIFICATE OF ANALYSIS

SMI10000948.1

Method	7AR	7AR
Analyte	Cu	Fe
Unit	%	%
MDL	0.001	0.01
937396	Drill Core	0.004 2.26
937397	Drill Core	0.005 2.91
937398	Drill Core	0.004 1.83
937399	Drill Core	0.004 1.81
937400	Rock Pulp	0.260 4.80
937401	Drill Core	0.003 1.37
937402	Drill Core	0.005 1.66
937403	Drill Core	0.004 2.91
937404	Drill Core	0.004 2.66
937405	Drill Core	0.005 3.07
937406	Drill Core	0.004 3.40
937407	Rock	0.004 3.63
937408	Drill Core	0.003 3.15
937409	Drill Core	0.003 3.26
937410	Drill Core	0.003 3.51
937411	Drill Core	0.005 3.85
937412	Rock Pulp	0.261 4.87
937413	Drill Core	0.004 3.80
937414	Drill Core	0.004 2.92
937415	Drill Core	0.003 3.15
937416	Drill Core	0.002 2.82
937417	Drill Core	0.003 2.88
937418	Drill Core	0.004 3.73
937419	Drill Core	0.002 2.85
937420	Drill Core	0.003 2.63
937421	Drill Core	0.004 3.29
937422	Drill Core	0.003 2.84
937423	Drill Core	0.003 3.11
937424	Rock	0.005 3.97
937425	Drill Core	0.003 3.31

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project: Red Chris
 Report Date: September 12, 2011

Page: 3 of 6 Part 3

CERTIFICATE OF ANALYSIS

SMI10000948.1

Method	7AR	7AR
Analyte	Cu	Fe
Unit	%	%
MDL	0.001	0.01
937426	Drill Core	0.002 2.96
937427	Drill Core	0.001 2.41
937428	Drill Core	0.001 1.75
937429	Drill Core	0.002 2.62
937430	Drill Core	0.005 4.57
937431	Rock Pulp	0.265 4.93
937432	Drill Core	0.007 4.53
937433	Drill Core	0.006 4.27
937434	Drill Core	0.005 4.24
937435	Drill Core	0.010 4.86
937436	Drill Core	0.009 5.10
937437	Drill Core	0.013 4.34
937438	Drill Core	0.006 4.80
937439	Drill Core	0.008 5.12
937440	Drill Core	0.003 6.27
937441	Drill Core	0.003 6.01
937442	Drill Core	0.011 4.83
937443	Drill Core	0.007 4.75
937444	Drill Core	0.010 4.58
937445	Drill Core	0.005 4.81
937446	Rock Pulp	0.271 4.98
937447	Drill Core	0.010 4.76
937448	Drill Core	0.009 4.36
937449	Drill Core	0.007 4.69
937450	Drill Core	0.005 4.77
937451	Drill Core	0.008 5.02
937452	Drill Core	0.009 4.77
937453	Rock	0.004 3.87
937454	Drill Core	0.003 5.23
937455	Drill Core	0.009 4.95

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Client: Red Chris Development Company Ltd.
200 - 580 Hornby St.
Vancouver BC V6C 3B6 Canada

Project: Red Chris
Report Date: September 12, 2011

Page: 4 of 6 Part 1

CERTIFICATE OF ANALYSIS

SMI10000948.1

Table with columns: Method, Analyte, Unit, MDL, WGHT, 3B Au, 3B Pt, 3B Pd, 1DX Mo, 1DX Cu, 1DX Pb, 1DX Zn, 1DX Ag, 1DX Ni, 1DX Co, 1DX Mn, 1DX Fe, 1DX As, 1DX Au, 1DX Th, 1DX Sr, 1DX Cd, 1DX Sb, 1DX Bi. Rows contain sample IDs and corresponding chemical analysis data.



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Project: Red Chris
 Report Date: September 12, 2011

Page: 4 of 6 Part 3

CERTIFICATE OF ANALYSIS

SMI10000948.1

Method	7AR	7AR
Analyte	Cu	Fe
Unit	%	%
MDL	0.001	0.01
937456	Drill Core	0.005 4.61
937457	Drill Core	0.006 4.57
937458	Drill Core	0.008 4.74
937459	Drill Core	0.009 5.23
937460	Drill Core	0.010 4.87
937461	Drill Core	0.006 4.90
937462	Drill Core	0.002 6.62
937463	Drill Core	0.002 6.49
937464	Drill Core	0.006 7.70
937465	Drill Core	0.006 4.66
937466	Drill Core	0.005 4.67
937467	Drill Core	0.002 7.37
937468	Drill Core	0.003 7.44
937469	Drill Core	0.006 4.12
937470	Drill Core	0.004 3.70
937471	Rock	0.004 3.82
937472	Drill Core	0.003 3.72
937473	Drill Core	0.005 3.48
937474	Drill Core	0.003 3.44
937475	Drill Core	0.003 3.50
937476	Drill Core	0.011 3.25
937477	Drill Core	0.003 3.18
937478	Drill Core	0.005 3.05
937479	Rock Pulp	0.257 4.76
937480	Drill Core	0.003 2.93
937481	Drill Core	0.005 3.21
937482	Drill Core	0.003 2.83
937483	Drill Core	0.003 3.09
937484	Drill Core	0.005 2.93
937485	Drill Core	0.007 3.08

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Client: Red Chris Development Company Ltd.

200 - 580 Hornby St.

Vancouver BC V6C 3B6 Canada

Project: Red Chris

Report Date: September 12, 2011

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CERTIFICATE OF ANALYSIS

SMI10000948.1

Method	Analyte	7AR	7AR
		Cu	Fe
Unit		%	%
MDL		0.001	0.01
937486	Drill Core	0.008	3.25
937487	Drill Core	0.002	2.90
937488	Rock	0.005	3.73
937489	Drill Core	0.001	3.22
937490	Drill Core	0.004	3.55
937491	Drill Core	0.003	3.34
937492	Drill Core	0.002	2.81
937493	Drill Core	0.002	2.99
937494	Drill Core	0.002	3.21
937495	Drill Core	0.002	3.25
937496	Rock Pulp	0.260	4.93
937497	Drill Core	0.005	3.56
937498	Drill Core	0.008	3.69
937499	Drill Core	0.003	3.55
937500	Drill Core	0.002	3.46
937501	Drill Core	0.003	3.72
937502	Drill Core	0.003	3.93
937503	Drill Core	0.003	4.06
937504	Drill Core	0.005	3.85
937505	Drill Core	0.005	3.81
937506	Drill Core	0.001	6.67
937507	Drill Core	0.001	7.62
937508	Drill Core	0.008	3.85
937509	Rock	0.004	3.97
937510	Drill Core	0.003	3.38
937511	Drill Core	0.006	4.15
937512	Drill Core	0.002	3.75
937513	Drill Core	0.003	3.61
937514	Drill Core	0.002	2.98
937515	Drill Core	0.002	3.36



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Project: Red Chris

Report Date: September 12, 2011

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CERTIFICATE OF ANALYSIS

SMI10000948.1

Method	Analyte	7AR	7AR
		Cu	Fe
Unit		%	%
MDL		0.001	0.01
937516	Drill Core	0.005	3.91
937517	Drill Core	0.004	3.66
937518	Rock Pulp	0.274	5.13
937519	Drill Core	0.001	3.51
937520	Drill Core	0.015	3.80
937521	Drill Core	0.001	3.65
937522	Drill Core	0.003	3.66
937523	Drill Core	0.002	3.51
937524	Drill Core	0.002	3.54
937525	Drill Core	0.002	3.48
937526	Drill Core	0.003	3.92
937527	Drill Core	0.003	3.89
937528	Drill Core	0.002	4.84
937529	Rock	0.004	3.98
937530	Drill Core	0.003	3.67
937531	Drill Core	0.003	3.59
937532	Drill Core	0.003	3.89
937533	Drill Core	0.001	3.64
937534	Drill Core	0.001	3.77
937535	Drill Core	<0.001	3.25
937536	Rock Pulp	0.268	5.05
937537	Drill Core	<0.001	3.42
937538	Drill Core	<0.001	4.67
937539	Drill Core	<0.001	3.65



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Submitted By: Melissa Darney
Receiving Lab: Canada-Smithers
Received: December 29, 2010
Report Date: September 08, 2011
Page: 1 of 3

CERTIFICATE OF ANALYSIS

SMI10000952.1

CLIENT JOB INFORMATION

Project: Red Chris
Shipment ID: 2114346
P.O. Number: RC10-090
Number of Samples: 59

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
RTRN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Red Chris Development Company Ltd.
200 - 580 Hornby St.
Vancouver BC V6C 3B6
Canada

CC: Steve Robertson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	56	Crush split and pulverize 250g drill core to 200 mesh			SMI
3B02	59	Fire assay fusion Au Pt Pd by ICP-ES	30	Completed	VAN
1DX1	59	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
7AR	59	1:1:1 Aqua Regia digestion ICP-ES analysis	1	Completed	VAN
DIS-RJT	56	Warehouse handling / Disposition of reject			SMI

ADDITIONAL COMMENTS



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Project: Red Chris

Report Date: September 08, 2011

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CERTIFICATE OF ANALYSIS

SMI10000952.1

Method	7AR	7AR
Analyte	Cu	Fe
Unit	%	%
MDL	0.001	0.01
937540	Drill Core	0.003 3.85
937541	Drill Core	0.001 3.65
937542	Drill Core	0.003 4.02
937543	Drill Core	0.009 6.59
937544	Drill Core	0.013 6.65
937545	Drill Core	0.002 3.46
937546	Drill Core	0.002 3.59
937547	Drill Core	0.002 3.71
937548	Drill Core	0.002 3.52
937549	Drill Core	0.002 4.15
937550	Drill Core	0.001 3.31
937551	Drill Core	0.010 6.45
937552	Drill Core	0.007 5.72
937553	Rock	0.005 4.09
937554	Drill Core	0.015 4.48
937555	Drill Core	0.008 4.86
937556	Drill Core	0.008 8.05
937557	Drill Core	0.002 4.04
937558	Drill Core	0.007 3.69
937559	Rock Pulp	0.269 5.08
937560	Drill Core	0.001 4.08
937561	Drill Core	0.003 3.63
937562	Drill Core	0.004 3.53
937563	Rock Pulp	0.270 5.07
937564	Drill Core	0.004 3.79
937565	Drill Core	0.003 4.00
937566	Drill Core	0.004 4.15
937567	Drill Core	0.003 3.74
937568	Drill Core	0.002 3.81
937569	Drill Core	0.002 3.82



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Project: Red Chris

Report Date: September 08, 2011

Page: 3 of 3 Part 2

CERTIFICATE OF ANALYSIS

SMI10000952.1

Table with columns: Method, Analyte, Unit, MDL, 1DX V, 1DX Ca, 1DX P, 1DX La, 1DX Cr, 1DX Mg, 1DX Ba, 1DX Ti, 1DX B, 1DX Al, 1DX Na, 1DX K, 1DX W, 1DX Hg, 1DX Sc, 1DX Ti, 1DX S, 1DX Ga, 1DX Se, 1DX Re. Contains multiple rows of analysis data.



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Project: Red Chris
 Report Date: September 08, 2011

Page: 3 of 3 Part 3

CERTIFICATE OF ANALYSIS

SMI10000952.1

Method	7AR	7AR
Analyte	Cu	Fe
Unit	%	%
MDL	0.001	0.01
937570	Drill Core	0.008 4.92
937571	Drill Core	0.003 5.12
937572	Drill Core	0.002 4.88
937573	Drill Core	0.003 5.62
937574	Drill Core	0.005 4.67
937575	Rock	0.004 3.93
937576	Drill Core	0.004 4.87
937577	Drill Core	0.006 4.70
937578	Drill Core	0.006 4.64
937579	Drill Core	0.003 4.61
937580	Drill Core	0.003 4.18
937581	Drill Core	0.004 4.36
937582	Drill Core	0.004 4.28
937583	Drill Core	0.004 3.97
937584	Rock Pulp	0.274 4.83
937585	Drill Core	0.003 3.79
937586	Drill Core	0.001 3.88
937587	Drill Core	0.002 5.80
937588	Drill Core	0.001 3.61
937589	Rock	0.004 3.86
937590	Drill Core	0.003 3.53
937591	Drill Core	0.002 4.46
937592	Drill Core	0.007 4.65
937593	Drill Core	0.014 4.78
937594	Drill Core	0.010 3.73
937595	Drill Core	0.013 3.92
937596	Drill Core	<0.001 3.47
937597	Drill Core	<0.001 3.10
937598	Drill Core	0.001 3.88



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Client: Red Chris Development Company Ltd.
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Submitted By: Melissa Darney
Receiving Lab: Canada-Smithers
Received: January 24, 2011
Report Date: September 11, 2011
Page: 1 of 2

CERTIFICATE OF ANALYSIS

SMI11000009.1

CLIENT JOB INFORMATION

Project: Red Chris
Shipment ID: 2114350
P.O. Number: RC10-91
Number of Samples: 27

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
RTRN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Red Chris Development Company Ltd.
200 - 580 Hornby St.
Vancouver BC V6C 3B6
Canada

CC: Steve Robertson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 7 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include R200-250, 3B02, 1DX1, 7AR, and DIS-RJT.

ADDITIONAL COMMENTS



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200 - 580 Hornby St.

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Project: Red Chris

Report Date: September 11, 2011

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CERTIFICATE OF ANALYSIS

SMI1100009.1

Method	Analyte	7AR	7AR
		Cu	Fe
Unit		%	%
MDL		0.001	0.01
937599	Drill Core	0.001	3.83
937600	Drill Core	0.002	4.45
937601	Drill Core	0.003	4.48
937602	Drill Core	<0.001	3.82
937603	Drill Core	0.001	3.42
937604	Drill Core	<0.001	3.28
937605	Drill Core	<0.001	3.11
937606	Drill Core	<0.001	3.11
937607	Drill Core	0.001	3.56
937608	Drill Core	0.002	3.68
937609	Drill Core	0.006	4.04
937610	Drill Core	0.006	3.82
937611	Rock	0.004	3.94
937612	Drill Core	0.004	4.57
937613	Drill Core	0.003	4.39
937614	Drill Core	0.004	4.27
937615	Drill Core	0.003	4.49
937616	Drill Core	0.004	4.36
937617	Drill Core	0.003	4.22
937618	Rock Pulp	0.261	4.70
937619	Drill Core	0.006	4.17
937620	Drill Core	0.003	4.48
937621	Drill Core	0.003	3.99
937622	Drill Core	0.003	3.86
937623	Drill Core	<0.001	3.81
937624	Rock	0.004	3.89
937625	Drill Core	<0.001	3.42



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Submitted By: Melissa Darney
Receiving Lab: Canada-Smithers
Received: August 03, 2011
Report Date: September 27, 2011
Page: 1 of 4

CERTIFICATE OF ANALYSIS

SMI11000222.1

CLIENT JOB INFORMATION

Project: Red Chris
Shipment ID: 2114507
P.O. Number: RC11-029
Number of Samples: 82

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
RTRN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Red Chris Development Company Ltd.
200 - 580 Hornby St.
Vancouver BC V6C 3B6
Canada

CC: Steve Robertson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	78	Crush split and pulverize 250g drill core to 200 mesh			SMI
3B02	82	Fire assay fusion Au Pt Pd by ICP-ES	30	Completed	VAN
1DX1	82	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
7AR	82	1:1:1 Aqua Regia digestion ICP-ES analysis	1	Completed	VAN
DIS-RJT	78	Warehouse handling / Disposition of reject			SMI

ADDITIONAL COMMENTS



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Project: Red Chris

Report Date: September 27, 2011

Page: 2 of 4 Part 3

CERTIFICATE OF ANALYSIS

SMI1100222.1

Method	Analyte	7AR	7AR
		Cu	Fe
Unit		%	%
MDL		0.001	0.01
937626	Drill Core	<0.001	3.33
937627	Drill Core	<0.001	3.14
937628	Drill Core	<0.001	3.58
937629	Drill Core	0.007	4.56
937630	Drill Core	0.006	4.54
937631	Drill Core	0.005	4.54
937632	Drill Core	0.006	4.43
937633	Drill Core	0.003	4.61
937634	Drill Core	0.003	4.21
937635	Drill Core	0.004	4.62
937636	Drill Core	0.020	4.60
937637	Rock Pulp	0.258	4.92
937638	Drill Core	0.009	4.37
937639	Drill Core	0.002	3.56
937640	Drill Core	0.001	2.89
937641	Drill Core	<0.001	3.01
937642	Drill Core	0.003	3.74
937643	Drill Core	0.004	3.68
937644	Drill Core	0.003	3.44
937645	Drill Core	0.005	4.41
937646	Drill Core	0.001	3.63
937647	Drill Core	<0.001	4.57
937648	Rock	0.004	3.99
937649	Drill Core	0.003	4.27
937650	Drill Core	0.001	3.76
937651	Drill Core	0.004	4.08
937652	Drill Core	0.006	4.24
937653	Drill Core	0.009	4.20
937654	Drill Core	0.002	3.21
937655	Drill Core	0.001	3.41



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Project: Red Chris
Report Date: September 27, 2011

Page: 3 of 4 Part 3

CERTIFICATE OF ANALYSIS

SMI11000222.1

Method	Analyte	7AR	7AR
		Cu	Fe
Unit		%	%
MDL		0.001	0.01
937656	Drill Core	<0.001	4.78
937657	Drill Core	0.002	3.33
937658	Drill Core	0.003	3.86
937659	Rock Pulp	0.271	5.02
937660	Drill Core	0.002	3.87
937661	Drill Core	0.001	3.83
937662	Drill Core	0.001	3.37
937663	Drill Core	0.002	3.71
942440	Drill Core	0.251	2.58
942441	Drill Core	0.127	2.51
942442	Drill Core	0.201	2.49
942443	Drill Core	0.210	2.61
942444	Drill Core	0.147	2.73
942445	Drill Core	0.021	0.35
942446	Drill Core	0.125	2.10
942447	Drill Core	0.153	2.75
942448	Drill Core	0.045	1.53
942449	Drill Core	0.076	2.10
942450	Drill Core	0.113	2.37
942451	Drill Core	0.051	1.49
942452	Drill Core	0.031	1.37
942453	Drill Core	0.042	1.39
942454	Drill Core	0.092	2.92
942455	Rock Pulp	0.455	5.67
942456	Drill Core	0.138	3.15
942457	Drill Core	0.211	2.61
942458	Rock	0.177	2.05
942459	Rock	0.005	4.24
942460	Drill Core	0.134	1.72
942461	Drill Core	0.254	3.45



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Client: **Red Chris Development Company Ltd.**
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 Vancouver BC V6C 3B6 Canada

Project: Red Chris
 Report Date: September 27, 2011

Page: 4 of 4 Part 1

CERTIFICATE OF ANALYSIS

SMI11000222.1

Method	WGHT	3B	3B	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Wgt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	
Unit	kg	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	2	3	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	
942462	Drill Core	9.65	122	<3	5	48.2	2582	2.7	28	0.7	3.2	7.1	271	2.49	1.5	128.4	2.6	229	0.1	0.9	<0.1
942463	Drill Core	10.11	101	<3	<2	134.9	999.3	3.4	21	0.2	1.8	2.7	178	1.02	1.8	32.0	2.4	189	0.2	1.2	<0.1
942464	Drill Core	8.47	50	<3	<2	98.2	1135	2.9	24	0.4	2.5	4.6	271	1.71	1.9	71.0	2.6	198	0.2	0.5	<0.1
942465	Rock Pulp	0.05	381	7	<2	22.3	4471	6.9	58	1.7	14.3	8.8	919	4.58	8.2	434.3	1.7	840	0.3	3.1	0.2
942466	Drill Core	8.05	27	5	<2	24.2	778.4	2.5	23	0.3	2.5	4.5	259	1.51	1.6	34.3	2.8	173	<0.1	0.7	<0.1
942467	Drill Core	1.24	35	3	<2	22.3	707.7	2.4	30	0.3	3.0	6.0	278	2.70	1.4	45.3	2.6	187	0.1	0.4	<0.1
942468	Drill Core	9.66	44	4	<2	11.0	1201	2.8	26	0.4	2.9	5.7	275	2.41	1.6	26.8	2.5	130	0.2	0.5	<0.1
942469	Drill Core	9.65	32	<3	<2	10.9	595.0	3.5	29	0.2	5.3	6.1	310	2.60	2.4	25.0	1.8	126	0.2	0.4	<0.1
942470	Drill Core	9.94	30	<3	<2	21.6	1082	3.2	32	0.4	7.5	6.5	338	2.51	3.4	35.5	2.0	135	0.1	0.6	<0.1
942471	Drill Core	3.75	47	<3	<2	27.3	2128	3.2	28	0.7	6.4	5.9	332	2.41	3.4	42.1	2.4	186	0.1	0.9	<0.1
942472	Drill Core	3.87	48	3	<2	24.8	2241	3.0	27	0.9	5.7	6.0	342	2.37	4.4	73.1	2.2	166	0.1	0.8	<0.1
942473	Drill Core	2.12	66	3	4	43.6	1394	4.0	29	0.5	4.9	7.0	286	3.00	2.2	70.5	2.4	132	0.2	0.8	<0.1
942474	Drill Core	9.86	54	<3	<2	22.4	976.7	3.4	29	0.4	5.8	6.6	370	2.75	2.6	49.6	2.1	148	0.2	1.0	<0.1
942475	Drill Core	9.60	35	5	<2	27.3	922.7	3.2	37	0.5	7.3	21.0	713	3.43	4.1	21.9	2.3	151	0.1	0.7	0.3
942476	Rock	0.48	<2	<3	<2	1.3	48.2	3.3	57	<0.1	377.1	30.2	684	3.56	3.1	<0.5	1.2	86	0.2	<0.1	<0.1
942477	Drill Core	10.62	25	<3	<2	8.9	508.5	3.3	34	0.3	6.6	13.6	831	2.82	4.9	20.5	1.9	130	0.1	1.1	0.2
942478	Drill Core	9.28	97	<3	<2	6.3	797.3	5.1	39	0.3	6.7	6.3	351	3.04	3.3	76.7	2.0	98	0.2	1.0	<0.1
942479	Drill Core	9.11	177	<3	<2	7.3	1996	4.8	30	0.7	5.3	6.0	270	2.79	2.0	142.8	2.1	122	0.2	0.6	<0.1
942480	Drill Core	9.87	160	4	<2	21.2	2264	4.1	31	0.6	5.2	6.7	280	3.08	2.2	124.2	2.2	142	0.2	0.7	<0.1
942481	Drill Core	9.10	67	<3	<2	11.4	667.0	2.8	23	0.2	3.2	4.3	221	1.70	2.2	32.9	2.1	151	0.2	0.9	<0.1
942482	Drill Core	9.74	37	5	6	9.9	391.5	3.0	22	0.2	2.0	2.1	241	0.78	1.8	31.5	1.7	103	<0.1	0.7	<0.1
942483	Drill Core	9.57	33	5	7	18.8	460.3	3.0	20	0.2	1.6	1.9	190	0.76	2.2	46.3	1.6	105	0.2	0.9	<0.1



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Client: Red Chris Development Company Ltd.

200 - 580 Hornby St.

Vancouver BC V6C 3B6 Canada

Project: Red Chris

Report Date: September 27, 2011

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CERTIFICATE OF ANALYSIS

SMI11000222.1

Table with 21 columns (Method, Analyte, Unit, MDL, 1DX V, 1DX Ca, 1DX P, 1DX La, 1DX Cr, 1DX Mg, 1DX Ba, 1DX Ti, 1DX B, 1DX Al, 1DX Na, 1DX K, 1DX W, 1DX Hg, 1DX Sc, 1DX TI, 1DX S, 1DX Ga, 1DX Se, 1DX Re) and 21 rows of sample data.

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Project: Red Chris

Report Date: September 27, 2011

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CERTIFICATE OF ANALYSIS

SMI11000222.1

Method	Analyte	7AR	7AR
		Cu	Fe
Unit		%	%
MDL		0.001	0.01
942462	Drill Core	0.270	2.80
942463	Drill Core	0.107	1.15
942464	Drill Core	0.125	2.00
942465	Rock Pulp	0.447	5.60
942466	Drill Core	0.079	1.67
942467	Drill Core	0.069	2.83
942468	Drill Core	0.120	2.64
942469	Drill Core	0.062	2.94
942470	Drill Core	0.103	2.69
942471	Drill Core	0.197	2.63
942472	Drill Core	0.217	2.64
942473	Drill Core	0.133	3.40
942474	Drill Core	0.092	3.04
942475	Drill Core	0.088	3.87
942476	Rock	0.005	4.08
942477	Drill Core	0.049	3.20
942478	Drill Core	0.075	3.32
942479	Drill Core	0.191	3.20
942480	Drill Core	0.208	3.37
942481	Drill Core	0.067	1.96
942482	Drill Core	0.040	0.89
942483	Drill Core	0.046	0.86



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Submitted By: Melissa Darney
Receiving Lab: Canada-Smithers
Received: January 31, 2011
Report Date: September 05, 2011
Page: 1 of 2

CERTIFICATE OF ANALYSIS

SMI11000030.1

CLIENT JOB INFORMATION

Project: Red Chris
Shipment ID: 2114352
P.O. Number: RC10-93
Number of Samples: 11

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
RTRN-RJT Return

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	11	Crush split and pulverize 250g drill core to 200 mesh		Completed	SMI
3B02	11	Fire assay fusion Au Pt Pd by ICP-ES	30	Completed	VAN
1DX1	11	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
7AR	11	1:1:1 Aqua Regia digestion ICP-ES analysis	1	Completed	VAN
DIS-RJT	11	Warehouse handling / Disposition of reject			SMI

ADDITIONAL COMMENTS

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Red Chris Development Company Ltd.
200 - 580 Hornby St.
Vancouver BC V6C 3B6
Canada

CC: Steve Robertson



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Client: **Red Chris Development Company Ltd.**
 200 - 580 Hornby St.
 Vancouver BC V6C 3B6 Canada

Project: Red Chris
 Report Date: September 05, 2011

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

SMI11000030.1

Method	WGHT	3B	3B	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Wgt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	
Unit	kg	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	2	3	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	
937626	Drill Core	7.65	2	<3	<2	0.7	31.2	18.6	54	0.1	1.3	9.6	1338	3.22	7.8	3.0	1.2	108	<0.1	0.2	0.4
937664	Drill Core	1.22	17	<3	<2	0.9	34.5	27.3	148	0.6	2.9	8.7	1619	3.50	26.9	21.4	1.1	149	1.1	0.1	0.5
937665	Drill Core	1.09	18	<3	<2	0.9	20.3	30.5	145	0.6	2.9	8.4	1847	3.59	27.8	22.5	1.1	156	1.0	0.3	0.4
937666	Drill Core	6.12	25	<3	<2	1.1	50.9	43.6	224	1.0	6.4	9.3	1610	3.55	32.2	26.4	0.9	180	1.7	0.2	0.9
937667	Drill Core	9.09	46	<3	<2	1.5	84.4	30.2	195	0.9	6.0	8.0	1493	3.59	32.9	49.3	0.9	161	1.4	0.3	1.1
937668	Drill Core	8.14	24	<3	<2	1.0	18.3	33.3	175	0.8	8.1	8.5	2126	3.47	21.1	26.3	0.9	158	1.3	0.3	0.9
937669	Drill Core	7.83	38	<3	<2	2.3	94.8	71.1	384	1.3	11.2	10.1	2248	3.67	28.1	36.7	0.8	129	2.9	0.5	0.7
937670	Rock	0.44	<2	4	2	0.9	43.4	3.0	53	<0.1	361.3	29.3	630	3.38	3.3	2.4	1.1	93	0.2	0.1	<0.1
937671	Drill Core	10.23	22	<3	<2	0.5	10.7	27.1	113	0.8	3.8	8.2	2204	3.32	34.7	22.6	1.1	104	0.9	0.2	0.3
937672	Drill Core	9.87	27	<3	<2	0.8	7.8	9.1	94	0.7	4.9	7.7	2240	3.23	32.6	28.1	1.1	127	0.5	0.2	0.2
937673	Drill Core	9.10	14	<3	<2	0.6	14.9	26.9	183	0.4	3.4	7.8	2467	2.80	27.8	11.6	1.2	106	1.2	0.4	0.2



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 200 - 580 Hornby St.
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Project: Red Chris
 Report Date: September 05, 2011

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CERTIFICATE OF ANALYSIS

SMI11000030.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Re	
Unit	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	
MDL	2	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	10	
937626	Drill Core	29	1.11	0.115	6	1	1.02	42	<0.001	<20	1.27	0.142	0.24	<0.1	0.15	3.4	<0.1	2.63	4	2.4	<10
937664	Drill Core	15	2.24	0.113	11	<1	0.83	33	<0.001	<20	0.63	0.162	0.26	<0.1	0.09	2.9	<0.1	3.47	1	3.5	<10
937665	Drill Core	17	2.54	0.111	12	<1	0.94	34	0.001	<20	0.65	0.166	0.27	<0.1	0.08	3.3	0.1	3.51	1	4.1	<10
937666	Drill Core	9	2.49	0.113	8	2	0.70	11	<0.001	<20	0.60	0.154	0.21	<0.1	0.11	1.8	0.1	3.90	<1	5.2	<10
937667	Drill Core	11	2.32	0.103	9	2	0.79	15	<0.001	<20	0.81	0.115	0.20	<0.1	0.13	1.5	0.1	3.94	2	6.4	<10
937668	Drill Core	20	2.34	0.110	10	4	1.29	37	<0.001	<20	0.95	0.135	0.18	<0.1	0.47	3.0	<0.1	3.53	2	4.1	<10
937669	Drill Core	25	1.86	0.109	7	11	1.34	12	<0.001	<20	1.14	0.123	0.18	<0.1	0.38	3.2	0.1	3.94	3	2.5	<10
937670	Rock	63	2.38	0.062	6	250	4.08	179	0.224	<20	1.48	0.040	0.08	<0.1	0.28	4.6	<0.1	<0.05	5	<0.5	<10
937671	Drill Core	30	1.63	0.106	9	2	1.28	33	<0.001	<20	1.13	0.106	0.21	<0.1	0.15	3.3	<0.1	3.18	3	1.1	<10
937672	Drill Core	24	2.20	0.107	9	2	1.25	32	<0.001	<20	0.86	0.107	0.22	<0.1	0.27	3.4	<0.1	3.04	2	1.1	<10
937673	Drill Core	25	1.63	0.105	10	1	1.20	64	<0.001	<20	0.96	0.107	0.19	<0.1	0.30	3.1	<0.1	2.13	3	0.5	<10



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Project: Red Chris

Report Date: September 05, 2011

Page: 2 of 2 Part 3

CERTIFICATE OF ANALYSIS

SMI11000030.1

	Method	7AR	7AR
	Analyte	Cu	Fe
	Unit	%	%
	MDL	0.001	0.01
937626	Drill Core	0.003	3.46
937664	Drill Core	0.003	3.91
937665	Drill Core	0.002	3.85
937666	Drill Core	0.005	4.10
937667	Drill Core	0.009	4.37
937668	Drill Core	0.002	4.04
937669	Drill Core	0.009	4.33
937670	Rock	0.004	4.05
937671	Drill Core	0.001	3.81
937672	Drill Core	<0.001	3.71
937673	Drill Core	0.002	3.32



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Submitted By: Melissa Darney
Receiving Lab: Canada-Smithers
Received: March 07, 2011
Report Date: September 30, 2011
Page: 1 of 3

CERTIFICATE OF ANALYSIS

SMI11000057.1

CLIENT JOB INFORMATION

Project: Red Chris
Shipment ID: 2114357
P.O. Number: RC11-010
Number of Samples: 52

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
RTRN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Red Chris Development Company Ltd.
200 - 580 Hornby St.
Vancouver BC V6C 3B6
Canada

CC: Steve Robertson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 7 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include R200-250, 3B02, 1DX1, 7AR, and DIS-RJT.

ADDITIONAL COMMENTS



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Project: Red Chris
 Report Date: September 30, 2011

Page: 2 of 3 Part 3

CERTIFICATE OF ANALYSIS

SMI11000057.1

Method	7AR	7AR
Analyte	Cu	Fe
Unit	%	%
MDL	0.001	0.01
937674	Drill Core	0.007 4.20
937675	Drill Core	0.013 4.36
937676	Rock Pulp	0.259 4.77
937677	Drill Core	0.021 6.66
937678	Drill Core	0.014 4.49
937679	Drill Core	0.034 9.45
937680	Drill Core	0.036 8.19
937681	Rock Pulp	0.262 4.82
937682	Drill Core	0.032 9.34
937683	Drill Core	0.044 8.31
937684	Drill Core	0.022 6.33
937685	Drill Core	0.019 8.10
937686	Rock	0.005 3.98
937687	Drill Core	0.016 6.95
937688	Drill Core	0.012 6.79
937689	Drill Core	0.010 6.93
937690	Drill Core	0.016 7.07
937691	Drill Core	0.012 6.78
937692	Drill Core	0.013 6.78
937693	Drill Core	0.016 6.66
937694	Drill Core	0.013 6.41
937695	Drill Core	0.013 6.32
937696	Drill Core	0.018 6.65
937697	Drill Core	0.013 6.45
937698	Drill Core	0.011 8.64
937699	Drill Core	0.009 7.91
937700	Drill Core	0.022 6.86
937701	Drill Core	0.014 7.13
937702	Drill Core	0.014 7.16
937703	Drill Core	0.014 6.98

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Project: Red Chris

Report Date: September 30, 2011

Page: 3 of 3 Part 1

CERTIFICATE OF ANALYSIS

SMI11000057.1

Method	WGHT	3B	3B	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Wgt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	
Unit	kg	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	2	3	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	
937704	Rock	0.50	<2	5	<2	0.8	44.5	3.1	60	<0.1	394.9	30.1	678	3.87	3.5	0.9	1.1	95	0.2	<0.1	<0.1
937705	Drill Core	4.97	46	7	14	0.8	122.9	217.1	915	1.8	27.6	35.6	3476	7.75	53.3	41.5	1.0	118	7.5	1.1	1.6
937706	Drill Core	5.86	31	10	19	0.6	167.6	90.7	355	0.9	25.6	33.0	3877	7.95	52.7	31.4	1.1	113	2.4	0.8	1.7
937707	Drill Core	4.58	46	12	18	0.9	227.2	168.9	773	1.3	23.9	29.8	2783	6.72	126.1	55.4	1.0	115	5.9	0.4	2.1
937708	Drill Core	5.01	24	10	18	0.7	143.7	33.5	214	0.4	26.5	31.2	3323	5.97	86.1	27.3	1.0	129	1.1	0.3	1.0
937709	Drill Core	5.80	23	9	16	0.7	154.4	52.2	593	0.6	24.4	30.8	3280	7.08	68.8	23.6	1.3	138	4.1	0.5	2.5
937710	Drill Core	5.88	42	11	17	0.8	198.8	35.2	953	0.8	23.8	32.1	3015	7.12	84.4	40.6	1.3	135	7.2	0.7	3.0
937711	Drill Core	7.11	34	6	13	0.8	202.8	37.6	605	0.6	22.8	29.4	3092	6.49	62.2	32.5	1.3	117	3.8	0.8	2.6
937712	Drill Core	4.80	40	9	13	0.5	278.9	111.2	635	1.5	22.8	29.2	3540	6.49	69.1	33.2	1.1	149	3.7	1.6	1.7
937713	Drill Core	2.59	14	10	16	0.3	124.6	13.8	773	0.3	24.4	31.7	3661	6.44	47.4	16.8	1.3	117	4.6	0.6	1.1
937714	Drill Core	2.80	17	9	18	0.5	119.5	14.4	735	0.3	23.4	30.5	3650	6.41	52.9	19.0	1.4	116	4.2	0.7	1.0
937715	Drill Core	5.19	22	11	14	0.8	204.2	26.3	418	0.5	24.2	27.5	3812	5.82	40.1	21.5	1.2	189	2.6	0.6	0.6
937716	Drill Core	5.41	24	7	17	0.8	130.6	60.0	523	0.6	23.0	29.9	3510	6.66	44.9	23.9	1.1	110	4.2	0.8	0.6
937717	Drill Core	4.07	65	8	14	0.8	271.1	41.7	1200	2.7	26.1	26.0	2377	7.33	46.6	59.2	1.1	109	7.0	0.6	1.4
937718	Drill Core	5.78	82	9	18	1.6	160.8	22.5	1183	3.3	23.9	30.2	3555	6.45	40.5	69.5	1.3	89	8.3	0.5	0.7
937719	Rock Pulp	0.14	288	<3	<2	26.5	2637	5.3	44	0.7	11.0	9.3	641	4.22	11.5	220.8	1.7	171	0.2	0.7	0.2
937720	Drill Core	5.56	77	10	16	1.1	114.1	49.2	2332	3.0	88.6	40.0	3062	7.72	57.6	71.1	0.9	84	17.0	0.6	0.9
937721	Drill Core	5.92	67	6	13	1.2	125.2	49.2	452	1.9	188.3	48.2	3829	6.31	54.3	70.9	0.6	165	2.5	0.3	1.1
937722	Drill Core	5.78	276	10	17	4.5	267.4	74.5	2023	17.7	147.3	40.2	3211	6.82	78.8	252.7	0.9	157	13.8	0.7	1.5
937723	Drill Core	5.55	44	11	21	2.9	172.7	32.9	591	1.2	24.9	33.5	2838	7.01	63.7	42.3	1.3	126	3.7	0.6	0.8
937724	Drill Core	5.62	32	10	17	1.2	144.1	33.6	583	1.0	31.6	34.5	3180	7.80	53.9	39.4	1.3	107	3.2	0.7	0.7
937725	Rock	0.51	<2	<3	3	0.8	43.2	2.6	58	<0.1	338.9	27.9	657	3.33	3.3	5.5	1.2	94	0.2	<0.1	<0.1



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Client: **Red Chris Development Company Ltd.**
 200 - 580 Hornby St.
 Vancouver BC V6C 3B6 Canada

Project: Red Chris
 Report Date: September 30, 2011

Page: 3 of 3 Part 2

CERTIFICATE OF ANALYSIS

SMI11000057.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Re	
Unit	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	
MDL	2	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	10		
937704	Rock	75	2.36	0.068	7	258	4.66	235	0.225	<20	1.60	0.053	0.09	<0.1	0.30	5.4	<0.1	<0.05	5	<0.5	<10
937705	Drill Core	209	3.36	0.252	7	52	3.27	13	0.003	<20	1.79	0.072	0.10	<0.1	0.30	17.0	<0.1	6.26	8	5.1	<10
937706	Drill Core	224	3.27	0.258	7	51	3.51	28	0.004	<20	2.23	0.070	0.11	<0.1	0.10	18.2	<0.1	5.46	10	2.7	<10
937707	Drill Core	160	3.59	0.303	6	31	2.27	11	0.002	<20	1.55	0.072	0.20	<0.1	0.37	14.7	<0.1	4.99	5	4.5	<10
937708	Drill Core	188	3.20	0.321	6	40	2.73	9	0.002	<20	2.01	0.094	0.17	<0.1	0.06	18.0	<0.1	3.59	7	1.2	<10
937709	Drill Core	190	3.89	0.252	10	48	2.97	6	0.030	<20	2.07	0.098	0.07	<0.1	0.09	17.6	<0.1	5.79	9	2.6	<10
937710	Drill Core	162	4.33	0.236	10	44	2.60	5	0.030	<20	1.53	0.090	0.11	<0.1	0.13	16.3	<0.1	6.23	7	4.0	<10
937711	Drill Core	179	4.20	0.263	9	41	2.54	7	0.039	<20	1.72	0.068	0.09	<0.1	0.13	15.6	<0.1	5.40	8	3.7	<10
937712	Drill Core	170	4.11	0.263	6	46	2.71	10	0.005	<20	2.23	0.069	0.15	<0.1	0.19	15.7	<0.1	4.90	8	3.3	<10
937713	Drill Core	199	2.83	0.259	8	44	3.39	14	0.126	<20	2.29	0.102	0.03	0.2	0.11	14.3	<0.1	4.20	9	2.4	<10
937714	Drill Core	204	2.92	0.246	8	49	3.43	20	0.128	<20	2.29	0.102	0.03	0.2	0.10	13.8	<0.1	4.07	9	2.4	<10
937715	Drill Core	202	3.34	0.252	9	47	3.29	12	0.087	<20	2.13	0.103	0.05	0.2	0.04	13.4	<0.1	3.71	9	1.7	<10
937716	Drill Core	182	3.85	0.245	8	46	2.91	10	0.025	<20	1.96	0.060	0.09	<0.1	0.12	16.2	<0.1	4.96	8	3.7	<10
937717	Drill Core	143	3.47	0.233	7	32	2.47	12	0.002	<20	1.33	0.063	0.17	<0.1	0.56	11.7	<0.1	7.03	5	6.9	<10
937718	Drill Core	207	3.10	0.247	8	34	3.45	14	0.003	<20	1.99	0.050	0.09	<0.1	0.23	15.8	<0.1	5.30	8	9.7	<10
937719	Rock Pulp	41	3.68	0.107	6	12	1.29	50	<0.001	<20	0.74	0.082	0.34	<0.1	0.52	4.9	<0.1	0.99	2	4.3	100
937720	Drill Core	151	3.18	0.214	6	128	3.40	10	0.002	<20	1.94	0.057	0.14	<0.1	0.33	11.8	<0.1	7.40	6	16.4	<10
937721	Drill Core	107	6.55	0.178	4	178	3.83	8	<0.001	<20	1.35	0.060	0.21	<0.1	0.10	15.7	<0.1	4.73	4	9.5	<10
937722	Drill Core	172	4.40	0.204	6	193	3.88	5	0.002	<20	1.98	0.054	0.13	<0.1	0.44	16.4	<0.1	6.04	6	10.3	<10
937723	Drill Core	243	2.86	0.242	8	62	3.17	5	0.006	<20	2.15	0.064	0.10	<0.1	0.10	17.1	<0.1	6.09	9	8.0	<10
937724	Drill Core	228	2.92	0.251	10	74	3.55	8	0.006	<20	2.36	0.062	0.07	<0.1	0.09	17.3	<0.1	6.34	9	8.4	<10
937725	Rock	70	2.59	0.064	7	246	4.03	222	0.247	<20	1.47	0.052	0.10	<0.1	0.22	4.9	<0.1	0.05	5	<0.5	<10



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200 - 580 Hornby St.

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Project: Red Chris

Report Date: September 30, 2011

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CERTIFICATE OF ANALYSIS

SMI11000057.1

Method	Analyte	7AR	7AR
		Cu	Fe
Unit		%	%
MDL		0.001	0.01
937704	Rock	0.004	3.88
937705	Drill Core	0.012	7.58
937706	Drill Core	0.017	7.69
937707	Drill Core	0.023	7.53
937708	Drill Core	0.014	6.78
937709	Drill Core	0.016	8.35
937710	Drill Core	0.020	8.19
937711	Drill Core	0.019	7.68
937712	Drill Core	0.030	7.44
937713	Drill Core	0.012	7.45
937714	Drill Core	0.012	7.35
937715	Drill Core	0.020	6.72
937716	Drill Core	0.013	7.89
937717	Drill Core	0.028	8.57
937718	Drill Core	0.016	7.76
937719	Rock Pulp	0.274	4.99
937720	Drill Core	0.011	8.97
937721	Drill Core	0.013	7.64
937722	Drill Core	0.028	8.33
937723	Drill Core	0.019	8.25
937724	Drill Core	0.014	9.02
937725	Rock	0.004	4.00



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Submitted By: Melissa Darney
Receiving Lab: Canada-Smithers
Received: March 10, 2011
Report Date: September 13, 2011
Page: 1 of 4

CERTIFICATE OF ANALYSIS

SMI11000064.1

CLIENT JOB INFORMATION

Project: Red Chris
Shipment ID: 2114483
P.O. Number: RC11-012
Number of Samples: 71

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
RTRN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Red Chris Development Company Ltd.
200 - 580 Hornby St.
Vancouver BC V6C 3B6
Canada

CC: Steve Robertson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	67	Crush split and pulverize 250g drill core to 200 mesh			SMI
3B02	71	Fire assay fusion Au Pt Pd by ICP-ES	30	Completed	VAN
1DX1	71	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
7AR	71	1:1:1 Aqua Regia digestion ICP-ES analysis	1	Completed	VAN
DIS-RJT	67	Warehouse handling / Disposition of reject			SMI

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. ** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: Red Chris

Report Date: September 13, 2011

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CERTIFICATE OF ANALYSIS

SMI11000064.1

Method	Analyte	7AR	7AR
		Cu	Fe
Unit		%	%
MDL		0.001	0.01
937726	Drill Core	0.019	7.21
937727	Drill Core	0.011	6.83
937728	Drill Core	0.011	7.28
937729	Drill Core	0.023	7.74
937730	Drill Core	0.006	4.28
937731	Drill Core	0.008	3.73
937732	Drill Core	0.008	3.83
937733	Drill Core	0.007	4.12
937734	Drill Core	0.119	12.09
937735	Drill Core	0.060	7.80
937736	Drill Core	0.027	7.21
937737	Drill Core	0.005	6.82
937738	Drill Core	0.016	8.46
937739	Rock Pulp	0.277	4.97
937740	Drill Core	0.025	9.43
937741	Drill Core	0.005	3.77
937742	Drill Core	0.003	3.26
937743	Drill Core	0.016	3.92
937744	Drill Core	0.010	4.05
937745	Drill Core	0.007	3.25
937746	Rock Pulp	0.270	4.84
937747	Drill Core	0.027	4.30
937748	Drill Core	0.010	5.44
937749	Drill Core	0.009	4.36
937750	Drill Core	0.011	3.70
937751	Drill Core	0.008	4.65
937752	Rock	0.005	3.98
937753	Drill Core	0.019	6.20
937754	Drill Core	0.026	4.33
937755	Drill Core	0.008	4.66



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Project: Red Chris

Report Date: September 13, 2011

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CERTIFICATE OF ANALYSIS

SMI11000064.1

Table with columns: Method, Analyte, Unit, MDL, and 20 elements (WGHT, 3B, 3B, 3B, 1DX, 1DX, 1DX, 1DX, 1DX, 1DX, 1DX, 1DX, 1DX, 1DX, 1DX, 1DX, 1DX, 1DX, 1DX, 1DX). Rows include sample IDs and descriptions like 'Drill Core' and 'Rock Pulp'.

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Project: Red Chris

Report Date: September 13, 2011

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CERTIFICATE OF ANALYSIS

SMI11000064.1

Method	7AR	7AR
Analyte	Cu	Fe
Unit	%	%
MDL	0.001	0.01
937756	Drill Core	0.012 6.39
937757	Drill Core	0.012 6.73
937758	Drill Core	0.013 5.92
937759	Drill Core	0.014 5.74
937760	Drill Core	0.011 8.06
937761	Rock Pulp	0.275 4.93
937762	Drill Core	0.013 5.47
937763	Drill Core	0.011 4.91
937764	Drill Core	0.010 4.66
937765	Drill Core	0.009 5.62
937766	Drill Core	0.008 7.08
937767	Drill Core	0.012 6.80
937768	Drill Core	0.076 6.55
937769	Drill Core	0.019 5.38
937770	Drill Core	0.018 6.29
937771	Drill Core	0.014 5.65
937772	Drill Core	0.015 4.66
937773	Drill Core	0.027 5.98
937774	Drill Core	0.012 6.39
937775	Drill Core	0.007 4.93
937776	Rock	0.005 4.06
937777	Drill Core	0.004 3.30
937778	Drill Core	0.006 4.42
937779	Drill Core	0.002 5.11
937780	Drill Core	0.020 4.24
937781	Drill Core	0.012 3.40
937782	Drill Core	0.011 3.26
937783	Drill Core	0.018 3.30
937784	Drill Core	0.018 3.75
937785	Drill Core	0.019 3.86



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Project: Red Chris
 Report Date: September 13, 2011

Page: 4 of 4 Part 1

CERTIFICATE OF ANALYSIS

SMI11000064.1

Method	WGHT	3B	3B	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Wgt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	
Unit	kg	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	2	3	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	
937786	Drill Core	5.65	42	<3	<2	3.6	120.7	9.2	97	0.2	2.8	8.1	529	3.35	5.8	31.1	1.0	104	0.6	0.2	0.3
937787	Drill Core	6.01	30	<3	<2	17.0	160.5	15.0	92	0.2	2.1	6.0	517	2.74	4.4	20.0	1.3	81	0.6	<0.1	0.3
937788	Rock Pulp	0.14	296	<3	5	25.2	2828	5.9	47	0.8	12.3	9.7	681	4.50	12.1	235.9	1.7	175	0.3	1.4	0.2
937789	Drill Core	2.18	26	<3	<2	47.9	168.1	27.9	103	0.9	5.8	7.7	541	3.39	7.7	40.8	0.7	160	0.8	0.2	1.3
937790	Drill Core	4.31	49	7	<2	4.3	255.8	10.9	88	0.3	17.1	20.3	583	5.23	3.9	45.3	0.7	78	0.3	0.1	0.4
937791	Drill Core	4.68	61	<3	3	2.3	144.4	4.1	62	0.1	16.2	22.0	608	5.45	1.3	47.3	0.7	67	0.3	0.1	0.3
937792	Drill Core	5.51	51	<3	3	7.6	63.8	10.9	80	0.3	19.1	19.2	615	5.59	3.7	46.5	0.7	84	0.4	0.2	0.4
937793	Drill Core	6.06	37	<3	7	7.3	147.1	9.1	88	0.2	15.0	16.7	681	4.81	7.6	31.5	0.7	102	0.6	0.3	0.4
937794	Drill Core	6.26	56	<3	<2	13.6	216.4	9.6	79	0.3	18.8	24.5	501	5.21	18.5	69.6	0.7	90	0.4	0.3	0.7
937795	Drill Core	5.86	33	<3	<2	3.5	217.7	6.8	80	0.3	14.5	21.6	722	4.35	3.7	39.3	0.7	106	0.4	0.2	0.6
937796	Drill Core	6.70	47	7	<2	4.0	345.7	15.1	109	0.5	17.8	20.8	663	5.31	4.7	50.1	0.7	94	0.7	0.3	1.1



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Project: Red Chris
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CERTIFICATE OF ANALYSIS

SMI11000064.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Re	
Unit	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	
MDL	2	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	10	
937786	Drill Core	24	3.31	0.098	3	2	1.26	26	<0.001	<20	0.75	0.072	0.22	<0.1	0.06	3.1	<0.1	2.91	1	3.8	<10
937787	Drill Core	23	2.49	0.099	7	1	0.99	49	<0.001	<20	0.73	0.077	0.22	<0.1	0.16	2.9	<0.1	2.44	1	1.8	22
937788	Rock Pulp	51	4.00	0.115	6	14	1.36	63	0.001	<20	0.83	0.094	0.34	<0.1	0.58	5.7	<0.1	1.05	2	4.2	97
937789	Drill Core	14	3.03	0.059	2	2	1.24	33	<0.001	<20	0.64	0.126	0.22	<0.1	0.36	1.5	0.1	3.00	<1	6.2	70
937790	Drill Core	94	3.43	0.117	3	13	1.48	31	<0.001	<20	0.93	0.055	0.18	<0.1	0.10	8.8	<0.1	4.66	2	13.0	<10
937791	Drill Core	108	2.73	0.125	3	21	1.78	30	0.001	<20	1.36	0.059	0.19	<0.1	0.08	8.4	<0.1	4.45	4	10.6	<10
937792	Drill Core	123	2.26	0.124	3	25	1.72	10	0.002	<20	1.30	0.083	0.17	<0.1	0.06	8.2	<0.1	4.88	5	10.2	<10
937793	Drill Core	81	3.74	0.107	4	14	1.83	12	<0.001	<20	1.00	0.083	0.21	<0.1	0.13	6.7	<0.1	4.11	3	8.8	<10
937794	Drill Core	51	2.86	0.107	3	8	1.24	41	<0.001	<20	0.71	0.066	0.27	<0.1	0.13	5.4	<0.1	5.64	2	11.1	27
937795	Drill Core	58	4.13	0.101	3	10	1.91	51	<0.001	<20	0.97	0.066	0.21	<0.1	0.09	7.5	<0.1	3.93	2	9.4	13
937796	Drill Core	88	2.31	0.118	3	17	1.61	9	<0.001	<20	1.12	0.077	0.21	<0.1	0.13	7.2	<0.1	5.15	5	10.1	<10



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Vancouver BC V6C 3B6 Canada

Project: Red Chris
Report Date: September 13, 2011

Page: 4 of 4 Part 3

CERTIFICATE OF ANALYSIS

SMI11000064.1

	Method	7AR	7AR
		Cu	Fe
Analyte		%	%
Unit			
MDL		0.001	0.01
937786	Drill Core	0.012	3.58
937787	Drill Core	0.016	2.99
937788	Rock Pulp	0.268	5.09
937789	Drill Core	0.016	3.51
937790	Drill Core	0.025	5.71
937791	Drill Core	0.014	5.78
937792	Drill Core	0.006	5.82
937793	Drill Core	0.014	5.23
937794	Drill Core	0.020	5.98
937795	Drill Core	0.021	4.84
937796	Drill Core	0.031	6.06



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Client: Red Chris Development Company Ltd.
200 - 580 Hornby St.
Vancouver BC V6C 3B6 Canada

Submitted By: Melissa Darney
Receiving Lab: Canada-Smithers
Received: March 16, 2011
Report Date: September 12, 2011
Page: 1 of 4

CERTIFICATE OF ANALYSIS

SMI11000068.1

CLIENT JOB INFORMATION

Project: Red Chris
Shipment ID: 2114484
P.O. Number: RC11-013
Number of Samples: 77

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
RTRN-RJT Return

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Red Chris Development Company Ltd.
200 - 580 Hornby St.
Vancouver BC V6C 3B6
Canada

CC: Steve Robertson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	73	Crush split and pulverize 250g drill core to 200 mesh			SMI
3B02	77	Fire assay fusion Au Pt Pd by ICP-ES	30	Completed	VAN
1DX1	77	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
7AR	77	1:1:1 Aqua Regia digestion ICP-ES analysis	1	Completed	VAN
DIS-RJT	73	Warehouse handling / Disposition of reject			SMI

ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted. ** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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CERTIFICATE OF ANALYSIS

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Method	Analyte	7AR	7AR
		Cu	Fe
Unit		%	%
MDL		0.001	0.01
937797	Drill Core	0.012	6.43
937798	Rock	0.004	3.95
937799	Drill Core	0.035	6.75
937800	Drill Core	0.010	6.40
937801	Drill Core	0.019	6.46
937802	Drill Core	0.020	4.93
937803	Drill Core	0.010	3.68
937804	Drill Core	0.020	4.98
937805	Drill Core	0.019	5.35
937806	Rock	0.004	3.86
937807	Drill Core	0.018	4.49
937808	Drill Core	0.018	3.41
937809	Drill Core	0.038	3.58
937810	Drill Core	0.033	4.08
937811	Rock Pulp	0.266	4.83
937812	Drill Core	0.041	4.19
937813	Drill Core	0.021	4.17
937814	Drill Core	0.022	4.17
937815	Drill Core	0.015	4.21
937816	Drill Core	0.014	4.55
937817	Drill Core	0.008	4.41
937818	Drill Core	0.008	4.61
937819	Drill Core	0.023	4.85
937820	Drill Core	0.031	4.07
937821	Drill Core	0.035	4.09
937822	Drill Core	0.116	10.17
937823	Drill Core	0.142	12.35
937824	Drill Core	0.015	4.25
937825	Rock Pulp	0.270	4.93
937826	Drill Core	0.084	6.51



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CERTIFICATE OF ANALYSIS

SMI11000068.1

Method	7AR	7AR
Analyte	Cu	Fe
Unit	%	%
MDL	0.001	0.01
937827	Drill Core	0.009 6.14
937828	Drill Core	0.020 4.27
937829	Drill Core	0.015 4.10
937830	Drill Core	0.017 4.16
937831	Drill Core	0.045 3.81
937832	Rock	0.004 3.83
937833	Drill Core	0.020 3.38
937834	Drill Core	0.042 3.70
937835	Drill Core	0.058 4.46
937836	Drill Core	0.050 5.38
937837	Drill Core	0.025 6.83
937838	Drill Core	0.043 4.78
937839	Drill Core	0.031 4.68
937840	Drill Core	0.014 3.72
937841	Drill Core	0.011 2.88
937842	Drill Core	0.011 4.55
937843	Drill Core	0.024 7.36
937844	Drill Core	0.061 8.27
937845	Drill Core	0.122 8.29
937846	Drill Core	0.062 6.15
937847	Drill Core	0.076 6.82
937848	Drill Core	0.048 8.48
937849	Drill Core	0.020 5.05
937850	Drill Core	0.011 5.66
937851	Drill Core	0.022 4.15
937852	Drill Core	0.021 3.98
937853	Drill Core	0.010 8.61
937854	Rock Pulp	0.441 5.39
937855	Drill Core	0.048 6.25
937856	Drill Core	0.022 7.37

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CERTIFICATE OF ANALYSIS

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Method	WGHT	3B	3B	3B	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Wgt	Au	Pt	Pd	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	
Unit	kg	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	2	3	2	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	
937857	Drill Core	6.58	43	4	2	7.6	345.9	6.7	91	0.3	7.3	14.0	225	3.78	3.5	38.6	0.9	80	0.6	4.1	0.4
937858	Drill Core	5.87	35	<3	<2	7.9	63.8	3.9	20	0.1	17.4	21.3	139	4.73	7.6	33.8	0.7	42	<0.1	2.1	0.3
937859	Drill Core	6.41	39	<3	<2	2.2	201.0	3.0	65	0.2	3.4	12.5	160	3.59	4.9	50.7	1.0	78	0.4	3.1	0.4
937860	Rock	0.75	<2	<3	9	0.9	44.1	2.3	53	<0.1	327.3	25.7	631	3.40	3.4	2.8	1.0	91	0.1	0.2	<0.1
937861	Drill Core	5.32	26	<3	<2	2.9	97.8	3.2	39	<0.1	2.2	10.0	204	3.49	7.4	25.4	1.1	116	0.3	0.4	0.4
937862	Drill Core	1.36	22	<3	4	7.2	160.6	1.7	26	<0.1	16.1	6.6	209	2.46	1.6	24.1	1.0	52	<0.1	0.7	0.3
937863	Drill Core	6.45	30	<3	2	10.8	86.1	3.0	26	<0.1	20.2	12.2	232	4.32	4.6	22.1	0.9	56	0.1	0.7	0.5
937864	Rock Pulp	0.14	300	<3	3	23.5	2783	5.6	44	0.8	10.0	9.6	683	4.39	12.3	302.1	1.8	178	0.3	4.6	0.2
937865	Drill Core	5.53	40	<3	<2	6.4	84.7	4.3	29	<0.1	14.5	20.5	244	4.43	9.6	41.6	0.6	85	0.2	0.3	0.6
937866	Drill Core	5.75	39	<3	2	5.4	81.0	4.6	30	<0.1	11.7	22.3	254	4.76	5.7	45.3	0.6	82	0.1	0.3	0.6
937867	Drill Core	6.82	41	<3	<2	20.3	92.3	4.7	25	0.1	15.9	18.3	279	4.34	7.5	40.1	0.5	146	0.2	0.4	0.5
937868	Drill Core	3.02	29	6	5	19.7	111.0	2.0	22	<0.1	39.6	10.1	288	3.73	3.3	26.6	0.5	63	0.1	0.5	0.4
937869	Drill Core	2.56	69	<3	6	18.1	64.4	2.2	18	<0.1	38.9	11.5	263	3.78	3.7	59.5	0.5	61	0.1	0.6	0.4
937870	Drill Core	5.61	24	<3	3	27.7	134.4	2.4	18	<0.1	30.6	7.3	323	3.23	3.2	19.5	0.6	66	<0.1	1.2	0.4
937871	Drill Core	6.07	79	<3	4	15.3	63.4	6.5	35	0.2	37.2	17.3	374	7.05	1.6	58.9	0.6	75	0.3	1.3	0.6
937872	Drill Core	6.06	90	<3	3	11.4	189.3	19.0	75	0.3	25.8	12.5	323	5.98	3.7	78.2	0.5	55	0.6	1.1	0.6
937873	Drill Core	2.51	97	<3	3	27.5	151.2	2.9	33	0.1	23.4	9.3	346	3.91	3.8	101.2	0.6	91	0.2	0.6	0.6



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CERTIFICATE OF ANALYSIS

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Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Re	
Unit	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	
MDL	2	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.01	0.05	1	0.5	10	
937857	Drill Core	20	2.29	0.102	2	6	1.12	67	<0.001	<20	0.71	0.059	0.23	<0.1	0.09	2.1	<0.1	4.08	1	10.5	<10
937858	Drill Core	8	1.31	0.073	1	9	0.64	43	<0.001	<20	0.58	0.030	0.29	<0.1	0.08	1.1	<0.1	5.43	<1	14.4	14
937859	Drill Core	18	1.93	0.099	3	6	0.89	72	<0.001	<20	0.69	0.074	0.25	<0.1	0.07	2.0	<0.1	3.93	1	8.3	<10
937860	Rock	72	2.39	0.066	6	217	3.60	200	0.218	21	1.59	0.090	0.10	<0.1	0.23	4.7	<0.1	<0.05	5	0.7	<10
937861	Drill Core	27	2.05	0.100	3	2	0.85	37	<0.001	<20	0.75	0.148	0.23	<0.1	0.11	2.8	<0.1	3.79	2	6.4	<10
937862	Drill Core	42	1.59	0.079	2	18	0.91	66	0.001	<20	0.56	0.085	0.13	<0.1	0.05	3.3	<0.1	2.45	2	4.6	<10
937863	Drill Core	42	2.17	0.105	3	12	1.03	63	<0.001	<20	0.49	0.103	0.15	<0.1	0.05	3.6	<0.1	4.74	1	12.8	16
937864	Rock Pulp	46	3.81	0.116	6	16	1.33	320	0.001	<20	0.73	0.093	0.32	<0.1	0.53	5.2	<0.1	1.06	2	4.5	79
937865	Drill Core	46	3.04	0.127	2	5	1.41	60	<0.001	<20	0.64	0.076	0.17	<0.1	0.01	6.0	<0.1	4.70	1	14.0	<10
937866	Drill Core	53	3.61	0.120	3	5	1.57	55	<0.001	<20	0.81	0.052	0.14	<0.1	0.05	5.6	<0.1	5.03	2	15.7	<10
937867	Drill Core	53	3.23	0.097	3	7	1.41	7	<0.001	<20	0.75	0.061	0.14	<0.1	0.06	5.6	<0.1	4.42	2	12.5	13
937868	Drill Core	60	2.59	0.044	1	16	1.24	34	<0.001	<20	0.53	0.036	0.10	<0.1	0.03	3.8	<0.1	3.85	<1	10.3	26
937869	Drill Core	49	2.41	0.042	1	13	1.15	27	<0.001	<20	0.43	0.036	0.11	<0.1	0.04	3.2	<0.1	4.01	<1	10.9	23
937870	Drill Core	41	2.89	0.055	1	12	1.42	165	<0.001	<20	0.41	0.028	0.12	<0.1	0.02	2.8	<0.1	3.05	<1	8.5	35
937871	Drill Core	33	3.04	0.063	2	10	1.45	40	<0.001	<20	0.50	0.037	0.15	<0.1	0.06	2.6	<0.1	6.81	1	22.9	23
937872	Drill Core	25	2.37	0.062	1	7	1.16	36	<0.001	<20	0.49	0.029	0.22	<0.1	0.06	1.9	<0.1	5.88	1	14.0	15
937873	Drill Core	33	3.44	0.111	2	8	1.69	29	<0.001	<20	0.81	0.049	0.18	<0.1	0.07	2.9	<0.1	3.89	2	8.4	16



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CERTIFICATE OF ANALYSIS

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Method	Analyte	7AR	7AR
		Cu	Fe
Unit		%	%
MDL		0.001	0.01
937857	Drill Core	0.036	4.11
937858	Drill Core	0.006	5.37
937859	Drill Core	0.020	3.86
937860	Rock	0.004	3.89
937861	Drill Core	0.009	3.76
937862	Drill Core	0.016	2.68
937863	Drill Core	0.008	4.70
937864	Rock Pulp	0.272	4.97
937865	Drill Core	0.009	4.96
937866	Drill Core	0.008	5.26
937867	Drill Core	0.009	4.76
937868	Drill Core	0.011	4.17
937869	Drill Core	0.006	4.29
937870	Drill Core	0.012	3.19
937871	Drill Core	0.006	6.82
937872	Drill Core	0.017	5.62
937873	Drill Core	0.014	3.81