BC Geological Survey Assessment Report 31295

# EXPLORATION DIAMOND DRILLING REPORT OF THE SILVER LYNX PROPERTY NELSON MINING DIVISION - BRITISH COLUMBIA

Silver Lynx Mineral Tenures - Minfile #082FSW378 (166 tenures listed in report)

NTS Map 082F06W / BCGS Map 082F043

UTM Zone 11 - Coordinates 5.474.000N / 467.500E

**Owners: Bruce Doyle, 49er Creek Gold Corp.** 

Consultant / Author: Brian H. Meyer P.Geol. (Nakusp, BC)

Date Submitted: January, 2010

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#### 1.0 SUMMARY

An eight hole diamond drill program was conducted on the Silver Lynx property between late January to March 8, 2009 totalling 2867 metres. The program was abruptly terminated when the operator Liberty International Mineral Corp. was unable to pay outstanding invoices. At the time, only four of the eight holes were logged, and samples from only one hole had been submitted for geochemical analysis. Due to the financial problems experienced by Liberty, no further work was done with respect to preparing an assessment report. Finally it was decided that the author would prepare the report on behalf of the owners of the claims, after a limited time extension to maintain the claims was granted.

The Silver Lynx property is located 12 kilometres west of Nelson, BC in the Rover Creek - Snowwater Creek drainage area. The property consists of 166 contiguous mineral tenures totalling 6303 hectares, and is within the Nelson Mining Division. The area of the drill program is located at 49°25'N and 117°27'W / UTM Zone 11U, 5474000N / 467000E (NAD 83), roughly the center of the largest tenure, Silver Lynx 1. Liberty acquired the property from claim holders Bruce Doyle and 49er Creek Gold Corp. in 2007 and 2008. After termination of the program, the claims were eventually returned to the vendors.

The Rover-Snowwater Creek area is underlain by basinal sedimentary rocks of Ymir Group, a distal equivalent of the Archibald Formation, the lowermost assemblage within the Rossland Group volcanics. Rossland Group rocks comprise the easternmost belt of Quesnel Terrane, accreted to North America in middle Jurassic time (Hoy and Dunne, 1997; Wild, 2004). Quartz monzonite to granodiorite of the Middle Jurassic Bonnington Pluton, Early to Middle Jurassic Silver King intrusions and Early Jurassic mafics of the Eagle Creek complex intrude the area.

VMS style semi massive to massive Zn-Pb-Cu-Ag sulphides were first discovered in 2000. An Upper and Lower or Main showing are interpreted to represent exposures of a folded northwest-southeast striking sulphide horizon, which dips moderately to the south. An analysed sample of the Lower showing returned values of 24.59%Zn, 22.35% Pb, 0.21% Cu and 556.4g/t Ag (Wild, 2004). Previous drilling programs in 2001 and 2004 followed up on geological, geochemical and IP geophysical targets. The best results to date come from holes SL-01-01 and 02 where values up to 6.87% Zn, 1.13% Pb and 42.5 g/t Ag were recorded over 0.6 metres (Wild, 2004).

The 2009 program focused on testing for the presence of the two sulphide horizons west of the showings, and testing VLF-EM conductors obtained from previous exploration. Results from the four logged holes include recognition of an interpreted Upper sulphide horizon in drill holes SL-09-15, 16 and 17, (about 500 metres northwest of the original showing), as well as intersecting a possible Lower sulphide horizon in drill hole SL-09-17. Mineralization within these zones consists of common thin stringers, fracture fills and disseminations of pyrrhotite-pyrite(-

sphalerite>galena-chalcopyrite) commonly hosted by silicified felsic tuff interlayers within argillite/siltstone. Mineralization within these zones is weak, with the highest values from hole 16 (the only hole with analysed samples) being 3633 ppm Zn over 4.5 metres, including 9455ppm Zn over 1.0 metre plus anomalous Pb and Cu. Mineralization is considered stratabound. Drilling of EM conductors did not expose any significant mineralization, nor structures.

Recommended exploration should start with the logging of the four unlogged / unsampled drill holes, with an emphasis on holes SL-09-09 and 10, the two most important holes drilled. A re-evaluation of all data should be considered before defining the next exploration program, which should include additional geologic mapping, prospecting and petrographic studies.





### 2.0 INTRODUCTION AND TERMS OF REFERENCE

Liberty International Mineral Corporation contracted the author, an independent consulting geologist, to perform investigative field studies, namely supervision of an exploration diamond drill program on the Silver Lynx property, and to prepare a geologic report incorporating the results of these studies.

This report is based on current exploration activities mentioned above, and follows up on a diamond drill report by Chris Wild in November 2004 on the same property (Assessment Report # 27536 "Diamond Drilling on the Silver Lynx Property"). Segments of his report have been included in this report, mainly descriptions of property location, history, geological setting, etc.

The author visited the property February 16 to March 08, 2009, and was directly involved in all exploration activities during this period, including the logging of all core described in this report, and supervision of sampling, and is responsible for all geological interpretations based on this field program.

The drill program was initially planned by geologist Lawrence Buss to consist of 18 holes totalling about 7200m. In the opinion of the author, the program was illconceived weighing heavily on over-kill, with an over-abundance of holes collared in a fan array pattern from drill pads, resulting in excessive investigation of the same ground from holes at slightly different inclinations and bearings. The author did not arrive on the property until the drill program was already well underway, and made modifications to the original plan after the first 5 holes had been drilled.

This program came to an abrupt end on March 08, when the drilling contractor shut down and demobilized the equipment, due to an excessive amount of outstanding unpaid invoices submitted to Liberty International. In support of the drilling company, and concerned with his own remuneration, the author stopped all work the following day and left the project.

This report is finally being prepared for the current holders of the claims (49er Creek Gold Corporation & Bruce Doyle). Meanwhile, outstanding invoices to various contractors and suppliers remain unpaid by Liberty International Mineral Corporation. The author emphasizes that Liberty has had no input into the contents of this report and will not receive any benefits from the completion of this report, as all claims involved have been returned to the original owners.

## 3.0 LOCATION AND ACCESS

The Sliver Lynx property is situated within the Bonnington Range of the Selkirk Mountains of southeastern British Columbia, just south of Kootenay River and Highway 3A. The claims cover an area in a pants-like pattern, with the southwest leg extending south and upslope past the confluence of Rover and Snowwater Creeks. The east leg parallels and encompasses nearly all of Fortynine Creek. The property is 12-15 kilometres southwest of the city of Nelson. Figure 1 shows the location within the province. The property now covers most of Rover Creek and its tributary Snowwater Creek, both of which occupy moderately steep, glacial-carved, U-shaped valleys. Elevations range from 530 metres at Kootenay River along the northwest edge of the property to 1760 metres on the steep ridge between Rover and Snowwater Creeks near the south edge of the property. Vegetation consists of mature stands of cedar, hemlock, balsam, and spruce with slide alder around the creeks. There has been some clear-cut logging in the area.

As stated in Wild's report, access to the current main area of interest is excellent via the Rover Creek Forestry Road 12 kilometres from the community of Blewett. All activity from this latest round of diamond drilling occurred proximal to Rover Creek above the junction with Snowwater Creek.

Access is year-round via four-wheel drive vehicle, subject to snow removal. Nelson, 15 kilometres to the northeast; Castlegar, 22 kilometres to the southwest; and Trail, an additional 24 kilometres south of Castlegar, are all major supply centres for the area.

Summers are generally warm and dry; winters are moderate with snow on the ground between late October and May. Annual precipitation averages 597 millimetres, including 116 centimetres of snow. Temperatures range from a low of -22°C in January to a maximum of 38°C in July.

The project area is 11 kilometres from paved road, close to major supply centres as mentioned above, and less than 50 kilometres from Teck-Cominco's leadzinc smelter complex at Trail. In addition, the project area is less than 20 kilometres from significant hydroelectric power generation facilities on the Kootenay River.

### 4.0 **PROPERTY DESCRIPTION**

The Silver Lynx property area currently totals 6303.75 hectares, consisting of 166 mineral tenures, of which the principle tenure with respect to this report is Silver Lynx 1 (mineral tenure number 386738), which is the largest tenure comprising 500 hectares, and has been the focus of all recent drilling and related activities. It is located within the Nelson Mining Division, BCGS map 082F043 / NTS map 082F06W. The centre of the area of drilling activity which coincides roughly with the centre of the above-mentioned tenure is at 49<sup>o</sup> 25'N and 117<sup>o</sup> 27'W, and 5474000mN and 467500mE, UTM Zone 11U, (NAD 83).

Due to Liberty International Mineral Corp. defaulting on the payment of invoices, etc. and the near-future questionable status of these claims, the validity of which is dependant upon the submission of this assessment report, the author understands that a limited time extension was granted in the hope that something could be done that would allow the claim holders to maintain the tenures in good standing. Upon the successful submission of this report, the tenures will be in good standing until at least May 12, 2010. Figure 2 shows the location of the claims and the location of current exploration within the property.

Table 1: Silver Lynx Property Tenures						
Tenure	Claim Name	Issue Date	Old Good To Date	New Good To Date	Area (Ha)	
233542	TONY	1987/apr/14	2009/aug/12	2010/may/12	150	
233743	JOANIE #3	1988/feb/26	2009/aug/12	2010/may/12	25	
233803	JOANIE #4	1988/may/09	2009/aug/12	2010/may/12	25	
302315	TAMMY #16	1991/jul/01	2009/aug/12	2010/may/12	25	
302316	TAMMY #17	1991/jul/02	2009/aug/12	2010/may/12	25	
310801	TAJ 2	1992/jun/19	2009/aug/12	2010/may/12	25	
310803	TAJ 5	1992/jun/19	2009/aug/12	2010/may/12	25	
316100	JAMTT 5	1993/feb/13	2009/aug/12	2010/may/12	25	
316102	JAMTT 7	1993/feb/16	2009/aug/12	2010/may/12	25	
316105	TRMK 4-2	1993/feb/09	2009/aug/12	2010/may/12	25	
316106	TMRK 4-3	1993/feb/09	2009/aug/12	2010/may/12	25	
316112	AMEGO 6	1993/feb/11	2009/aug/12	2010/may/12	25	
316554	GG 2	1993/feb/24	2009/aug/12	2010/may/12	25	
318959	RUTH 2	1993/jun/20	2009/aug/12	2010/may/12	25	
318960	RUTH 3	1993/jun/20	2009/aug/12	2010/may/12	25	
319690	RUTH 5	1993/jul/17	2009/aug/12	2010/may/12	25	
319692	RUTH 6	1993/jul/17	2009/aug/12	2010/may/12	25	
322424	49-3	1993/nov/12	2009/aug/12	2010/may/12	25	
322437	P.B. #1	1993/nov/06	2009/aug/12	2010/may/12	25	
322439	P.B. #3	1993/nov/07	2009/aug/12	2010/may/12	25	
322440	P.B. #4	1993/nov/07	2009/aug/12	2010/may/12	25	
322441	P.B. #5	1993/nov/07	2009/aug/12	2010/may/12	25	
322443	P.B. #7	1993/nov/07	2009/aug/12	2010/may/12	25	
322444	P.B. #8	1993/nov/07	2009/aug/12	2010/may/12	25	
322445	J.D. #1	1993/nov/09	2009/aug/12	2010/may/12	25	
322446	J.D. #2	1993/nov/09	2009/aug/12	2010/may/12	25	
322447	J.D. #3	1993/nov/09	2009/aug/12	2010/may/12	25	
322448	J.D. #4	1993/nov/09	2009/aug/12	2010/may/12	25	
322450	J.D. #6	1993/nov/09	2009/aug/12	2010/may/12	25	
324992	TMRK-3A	1994/apr/18	2009/aug/12	2010/may/12	25	
324994	TMRK-3C	1994/apr/18	2009/aug/12	2010/may/12	25	
324996	TMRK-3E	1994/apr/18	2009/aug/12	2010/may/12	25	
324998	TMRK 3-G	1994/apr/20	2009/aug/12	2010/may/12	25	
325462	RAM 1	1994/may/03	2009/aug/12	2010/may/12	25	
325463	RAM 2	1994/may/04	2009/aug/12	2010/may/12	25	
327227	R 1	1994/jun/21	2009/aug/12	2010/may/12	25	
327228	R 2	1994/jun/21	2009/aug/12	2010/may/12	25	
327230	R 4	1994/jun/21	2009/aug/12	2010/may/12	25	
337998	HOHO 1	1995/jul/07	2009/aug/12	2010/may/12	25	
337999	HOHO 2	1995/jul/07	2009/aug/12	2010/may/12	25	
338000	НОНО 3	1995/jul/07	2009/aug/12	2010/may/12	25	
338001	НОНО 4	1995/jul/07	2009/aug/12	2010/may/12	25	
338002	НОНО 7	1995/jul/11	2009/aug/12	2010/may/12	25	
338003	НОНО 8	1995/jul/11	2009/aug/12	2010/may/12	25	
338004	НОНО 9	1995/jul/11	2009/aug/12	2010/may/12	25	
338005	HOHO 10	1995/jul/11	2009/aug/12	2010/may/12	25	

Silver Lynx Property Tenures							
Tenure	Claim Name	Issue Date	Old Good To Date	New Good To Date	Area (Ha)		
338006	HOHO 11	1995/jul/12	2009/aug/12	2010/may/12	25		
338008	HEEHAW 1	1995/jul/14	2009/aug/12	2010/may/12	25		
338009	HEEHAW 2	1995/jul/14	2009/aug/12	2010/may/12	25		
338010	HEEHAW 3	1995/jul/14	2009/aug/12	2010/may/12	25		
338011	HEEHAW 4	1995/jul/14	2009/aug/12	2010/may/12	25		
338013	HEEHAW 6	1995/jul/17	2009/aug/12	2010/may/12	25		
338014	HEEHAW 7	1995/jul/17	2009/aug/12	2010/may/12	25		
338015	HEEHAW 8	1995/jul/17	2009/aug/12	2010/may/12	25		
338017	HEEHAW 10	1995/jul/17	2009/aug/12	2010/may/12	25		
338020	JD 5	1995/jul/18	2009/aug/12	2010/may/12	25		
338021	JD 7	1995/jul/18	2009/aug/12	2010/may/12	25		
338022	JD 8	1995/jul/18	2009/aug/12	2010/may/12	25		
338023	JD 9	1995/jul/18	2009/aug/12	2010/may/12	25		
338024	JD 10	1995/jul/18	2009/aug/12	2010/may/12	25		
338026	JD 12	1995/jul/18	2009/aug/12	2010/may/12	25		
338027	JD 13	1995/jul/18	2009/aug/12	2010/may/12	25		
338028	JD 14	1995/jul/18	2009/aug/12	2010/may/12	25		
338030	HOHO 5	1995/jul/07	2009/aug/12	2010/may/12	25		
338031	HOHO 6	1995/jul/07	2009/aug/12	2010/may/12	25		
338479	DYLANN I	1995/jul/20	2009/aug/12	2010/may/12	25		
338481	DYLANN 3	1995/jul/20	2009/aug/12	2010/may/12	25		
338816	R.C. 1	1995/jul/24	2009/aug/12	2010/may/12	25		
338817	R.C. 2	1995/jul/24	2009/aug/12	2010/may/12	25		
338978	R.C. 13	1995/jul/29	2009/aug/12	2010/may/12	25		
338979	R.C. 14	1995/jul/29	2009/aug/13	2010/may/12	25		
339285	R3	1995/aug/10	2009/aug/12	2010/may/12	25		
339576	SJ2	1995/aug/19	2009/aug/12	2010/may/12	25		
339582	SJ4	1995/aug/19	2009/aug/12	2010/may/12	25		
339584	SJ6	1995/aug/19	2009/aug/12	2010/may/12	25		
340027	SJ10	1995/sep/04	2009/aug/12	2010/may/12	25		
340029	SJ 12	1995/sep/04	2009/aug/12	2010/may/12	25		
340030	SJ 13	1995/sep/04	2009/aug/12	2010/may/12	25		
340031	SJ 14	1995/sep/04	2009/aug/12	2010/may/12	25		
341575	SJ 8	1995/oct/25	2009/aug/12	2010/may/12	25		
347153	DYLANN 5	1996/jun/07	2009/aug/12	2010/may/12	25		
347155	DYLANN 8	1996/jun/07	2009/aug/12	2010/may/12	25		
349881	DEB 2	1996/aug/27	2009/sep/30	2010/jun/30	25		
349882	DEB 3	1996/aug/27	2009/sep/30	2010/jun/30	25		
349883	DEB 4	1996/aug/27	2009/sep/30	2010/jun/30	25		
350445	HOHO 12	1996/aug/24	2009/aug/12	2010/may/12	25		
390701	HEEHAW 11	2001/oct/21	2009/aug/12	2010/may/12	25		
390702	HEEHAW 12	2001/oct/21	2009/aug/12	2010/may/12	25		
390703	HEEHAW 13	2001/oct/24	2009/aug/12	2010/may/12	25		
390704	HEEHAW 14	2001/oct/24	2009/aug/12	2010/may/12	25		
390705	HEEHAW 15	2001/oct/25	2009/aug/12	2010/may/12	25		
390706	HEEHAW 16	2001/oct/25	2009/aug/12	2010/may/12	25		

Silver Lynx Property Tenures							
Tenure	Claim Name	Issue Date	Old Good To Date	New Good To Date	Area (Ha)		
390886	S.J. 15	2001/nov/19	2009/aug/12	2010/may/12	25		
390887	S.J. 16	2001/nov/19	2009/aug/12	2010/may/12	25		
394694	JD 15	2002/jul/03	2009/aug/12	2010/may/12	25		
394695	JD 16	2002/jul/04	2009/aug/12	2010/may/12	25		
394697	JD 18	2002/jul/03	2009/aug/12	2010/may/12	25		
394700	JD 21	2002/jul/03	2009/aug/12	2010/may/12	25		
538735	NELSON 1	2006/aug/04	2009/aug/12	2010/may/12	21		
538736	NELSON 2	2006/aug/04	2009/aug/12	2010/may/12	21		
538737	NELSON 3	2006/aug/04	2009/aug/12	2010/may/12	21		
538813	NELSON A	2006/aug/06	2009/aug/12	2010/may/12	42		
538814	NELSON B	2006/aug/06	2009/sep/30	2010/jun/30	21		
538815	NELSON C	2006/aug/06	2009/sep/30	2010/jun/30	21		
538816	NELSON D	2006/aug/06	2009/oct/01	2010/oct/01	42.01		
538868	NELSON E	2006/aug/08	2009/sep/30	2010/jun/30	21		
538869	NELSON F	2006/aug/08	2009/sep/30	2010/jun/30	21.01		
546882		2006/dec/08	2009/sep/30	2010/jun/30	83.97		
546883		2006/dec/08	2009/sep/30	2010/jun/30	83.96		
546884		2006/dec/08	2009/sep/30	2010/jun/30	83.96		
546885		2006/dec/08	2009/sep/30	2010/jun/30	83.98		
546886		2006/dec/08	2009/sep/30	2010/jun/30	41.98		
546887		2006/dec/08	2009/oct/01	2010/jul/01	41.98		
546888		2006/dec/08	2009/sep/30	2010/jun/30	83.99		
546889		2006/dec/08	2009/sep/30	2010/jun/30	21		
546890		2006/dec/08	2009/oct/01	2010/jul/01	210.01		
546891		2006/dec/08	2009/oct/02	2010/jul/02	42		
546892		2006/dec/08	2009/sep/30	2010/jun/30	84.02		
546893		2006/dec/08	2009/sep/30	2010/jun/30	84.02		
546894		2006/dec/08	2009/oct/02	2010/jul/02	84.02		
546898		2006/dec/08	2009/sep/30	2010/jun/30	21		
546899		2006/dec/08	2009/sep/30	2010/jun/30	84		
546900		2006/dec/08	2009/sep/30	2010/jun/30	84.01		
546902		2006/dec/08	2009/sep/30	2010/jun/30	21		
546905		2006/dec/08	2009/oct/02	2010/jul/02	84.04		
546907		2006/dec/08	2009/oct/02	2010/jul/02	63.03		
546908		2006/dec/08	2009/sep/30	2010/jun/30	42.01		
546909		2006/dec/08	2009/sep/30	2010/jun/30	21.01		
546910		2006/dec/08	2009/sep/30	2010/jun/30	63.01		
546911		2006/dec/08	2009/sep/30	2010/jun/30	63.01		
546912		2006/dec/08	2009/sep/30	2010/jun/30	42.01		
546914		2006/dec/08	2009/oct/02	2010/jul/02	21.01		
546915	GOOD HOPE	2006/dec/08	2009/oct/01	2010/jul/02	42.01		
546916	GOOD HOPE 2	2006/dec/08	2009/oct/01	2010/jul/02	21		
546917		2006/dec/08	2009/oct/02	2010/jul/02	42.02		
546918	GH EAST	2006/dec/08	2009/sep/30	2010/jun/30	21		
546920		2006/dec/08	2009/sep/30	2010/jun/30	84.02		
546922		2006/dec/08	2009/oct/02	2010/jul/02	42.01		

Silver Lynx Property Tenures								
Tenure	Claim Name	Issue Date	Old Good To Date	New Good To Date	Area (Ha)			
546923		2006/dec/08	2009/sep/30	2010/jun/30	42.02			
546924		2006/dec/08	2009/sep/30	2010/jun/30	21.01			
546925		2006/dec/08	2009/sep/30	2010/jun/30	21.01			
546933		2006/dec/08	2009/sep/30	2010/jun/30	42.04			
546934		2006/dec/08	2010/jun/08	2011/mar/08	63.06			
546935		2006/dec/08	2009/sep/30	2010/jun/30	21.02			
546936		2006/dec/08	2009/sep/30	2010/jun/30	84.06			
546939		2006/dec/08	2009/sep/30	2010/jun/30	63.04			
546940		2006/dec/08	2009/sep/30	2010/jun/30	63.04			
546942		2006/dec/08	2009/oct/02	2010/jul/02	42.02			
546943		2006/dec/08	2009/sep/30	2010/jun/30	42.02			
546944		2006/dec/08	2009/sep/30	2010/jun/30	21.01			
380873	ROVER 7	2000/sep/17	2010/sep/15	2011/jun/15	25			
381521	SILVER LYNX 3	2000/oct/19	2010/sep/15	2011/jun/15	25			
381523	SILVER LYNX 5	2000/oct/20	2010/sep/15	2011/jun/15	25			
381524	SILVER LYNX 6	2000/oct/23	2010/sep/15	2011/jun/15	25			
381526	SILVER LYNX 8	2000/oct/23	2010/sep/15	2011/jun/15	25			
382909	SILVER LYNX 12	2000/nov/22	2010/sep/15	2011/jun/15	25			
382911	SILVER LYNX 14	2000/nov/22	2010/sep/15	2011/jun/15	25			
382913	SILVER LYNX 16	2000/nov/22	2010/sep/15	2011/jun/15	25			
386738	SILVER LYNX I	2001/may/20	2011/sep/16	2012/jun/16	500			
387595	SILVER LYNX 19	2001/jun/16	2009/sep/15	2010/jun/15	25			
508178		2005/mar/02	2010/sep/15	2011/jun/15	105.07			
509288		2005/mar/19	2010/sep/15	2011/jun/15	42.03			
509290		2005/mar/19	2010/sep/15	2011/jun/15	42.04			
510906		2005/apr/18	2010/sep/15	2011/jun/15	42.03			
522234	GOLD LYNX	2005/nov/12	2009/sep/30	2010/jun/30	21.01			
510916					105.11			
Total:								
Note: Sh	Note: Shaded tenure #'s: claim owner Bruce Doyle							
Tenures not shaded: claim owner 49er Creek Gold Corp.								

Table I lists the tenures that comprise the Silver Lynx property. Schedules A and B (Appendix 1) list the tenures related to the applicable Statement of Work / Event numbers (4279455 & 4316610). The author is not aware of any of the agreements made between the claim owners (49er Creek Gold Corp. & Bruce Doyle) and the operator Liberty International Mineral Corp., however the claims have since been returned to the owners, with Liberty no longer holding any interest in them.

The property is situated within the Blewett Community Watershed and the author is not aware of any known environmental liabilities.

### 5.0 HISTORY

This segment of the report down to "Fall 2003" is taken from Wild's 2004 report.

Prior to the discovery of zinc-lead-copper mineralization in Rover Creek in the fall of 2000, exploration in the area was limited to prospecting. Although a number of claims have been staked over the area in the past, no Minfile occurrences are located on the property and no assessment reports cover work from the property area.

Several Minfile occurrences are located in the Rover Creek area. To the west, Connor Creek hosts a couple of showings including the Hungry Man (Minfile No. 082FSW235), Root (082FSW303), and Debbie (082FSW356) which all appear to be related to Nelson Intrusions (Bonnington Pluton) in contact with Rossland Group volcanics and Ymir Group sediments. To the south, the Whitewater gold-bearing veins (082FSW222) are hosted mainly in granitic rocks of the Bonnington pluton near the headwaters of Snowwater Creek. To the southwest, the Aurous showing (082FSW358) consists of gold-silver-copper veins hosted in mafic tuffs intruded by Nelson Intrusions.

**Fall 2000:** Bruce Doyle discovers two showings of banded disseminated, semi-massive and massive sulphides. This mineralization is interpreted to be part of a volcanogenic massive sulphide occurrence consisting of pyrrhotite, sphalerite, galena, and chalcopyrite. Grab samples from road cut material immediately below the showing assayed up to 24.59% zinc, 22.35% lead, 0.21% copper, and 556.4 grams per tonne silver. Soil samples collected from a small grid established over the Main or Lower Lynx and Upper Lynx Showings were successful in delineating a strongly anomalous zone over 800 metres long and around 125 metres wide.

Cassidy Gold Corp. signed an option agreement to acquire 100% of the Silver Lynx Property from Mr. Doyle.

**Spring 2001:** Soil samples were collected from an expanded grid, following up on the 2000 program. A moderate intensity zinc-lead-copper-silver-arsenic anomaly was defined extending to the northwest from the Lower Lynx Showing and a weaker parallel trend was identified northwest of the Upper Lynx Showing. A similar broad lead-zinc-copper-silver anomaly is located to the east in a thick package of dark mudstones and interbedded turbiditic siltstones. Ground magnetic, VLF-EM surveys were also run over the grid. Transient EM, and limited Induced Polarization surveys were run over parts of the grid. Mr. Wild conducted a program of geological mapping over 13.625 kilometres of flagged grid and along 20.1 kilometres of logging roads on and adjacent to the property, between May 18 and June 23, 2001 (Wild, 2001).

**Fall 2001:** Four diamond drillholes, totalling 642.5 metres, tested the two inferred mineralized trends. Three of the holes were drilled adjacent to the Lower Lynx Showing and a fourth hole tested the northwestern projection of the two mineralized trends. Two of the holes drilled adjacent to the Lower Lynx encountered significant zinc-lead mineralization on a couple of horizons, while the fourth hole

intersected two strong mineralized trends on strike from both the Lower and Upper Lynx Showings (Wild, 2002).

**August 2002:** Delta Exploration Inc. signs an option agreement to acquire 50% of the Silver Lynx Property, subject to conditions in the underlying agreement.

**Fall 2003:** A new re-oriented grid is cut over the Silver Lynx showing area. Peter E. Walcott & Associates Limited complete an induced polarization (IP) survey over the grid.

**June 2004:** Four diamond drill holes (SI-04-05 to SL-04-08) totalling 706.2 metres targeted 4 separate IP anomalies of moderate intensity chargeability highs and coincident resistivity lows within the package of mixed sedimentary and felsic volcanic rocks hosting the Silver Lynx showings over 800 metres strike length.

In hole 5, drilling intersected 30 cm of 0.88% Zn within a weak stockwork of pyrite, chalcopyrite and sphalerite at the hanging wall contact of quartz monzonite.

Hole 6 targeted the lower sulphide horizon between holes 1 and 4, and recorded narrow intervals of weak to moderate mineralization in the lower half, on line with the lower sulphide horizon recognized in holes 1 and 4. Highest grade intercept was 4950 ppm Zn over 1.0 metre plus anomalous values of Pb, As, Ag and Au.

Hole 7 was collared 100 metres west of hole 4 to test an IP anomaly which trends southeast-northwest and includes the Upper sulphide showing. Between 102 and 120 metres it intersected thin veinlets of sphalerite, galena, chalcopyrite and arsenopyrite in felsic tuff, interpreted as the extension of the Upper horizon, albeit weak. High value in this zone is 1.8 metres of 0.76% Zn plus anomalous Pb and Cu values.

Hole 8 was drilled about 400 metres east of the Main showing and targeted a broad east-west trending IP anomaly coincident with Rover Creek valley. Only weakly anomalous As, Cu and Zn values were recorded.

Following completion of the drill program, both Delta Exploration Inc. and Cassidy Gold Corp. terminated their option agreements involving the Silver Lynx property.

**2007:** Liberty International Mineral Corp. acquired Bruce Doyle's Silver Lynx claims by option agreement.

**2008:** In January, the 49er Creek Gold Corp. claims were transferred to Liberty International Minerals Corp.

The Drummond Mountain grid was established north of Rover Creek from which a geochemical soil survey was conducted. Similarly the Bird Creek grid was established north of the Drummond Mountain grid by compass and GPS, and underwent a soil geochemical survey. A brief discussion of the results from the Bird Creek survey are included in L. Buss' report, which was apparently recorded. The Bird Creek area had been previously recognized as a separate property (Minfile 082FSW089).

**2009:** After the Silver Lynx drill program abruptly ended, the claims of Bruce Doyle were returned to vender, and the 49er Creek Gold Corp. claims were transferred back to original owner.

### 6.0 PRESENT ACTIVITY

In January 2009, Liberty International Mineral Corp. commenced with an originally planned 18 hole diamond drill program that would total about 7200 metres, as recommended by L. Buss in his 2008 report. Once familiar with the program which was already well underway, the author modified this plan as there appeared to be considerable over-kill. At the abrupt termination of the program, eight diamond drill holes of NQ diameter totalling 2867 metres had been completed. This consisted of hole numbers SL-09-09 to SL-09-17 (no hole number 11). The holes were not drilled in numeric order, the reason for there being no number 11.

Along with the diamond drilling, performed by Westcore Drilling Ltd. of Salmo, BC, drill road preparation totalling about one kilometre was completed, which involved tree falling, excavator, bulldozer, dump truck and other equipment. This work was done by Hlookoff Bulldozing & Excavating which included snow removal maintenance of all access roads, and BC Fallers Ltd.

Only four of the eight holes were logged by the author (SL-09-12, 15, 16 and 17), which total 1553 metres. Core samples for only the first two holes were cut by rock saw, however samples for only one hole (SL-09-16; 65 samples) were actually shipped and analysed by Eco Tech Laboratory Ltd. in Kamloops.

Besides the author as supervising geologist, others employed on the program included one field technician, one core splitter and one geotechnical core logger. The program ended prematurely on March 8, 2009.

### 7.0 GEOLOGICAL SETTING

Most of the discussion in all parts of Section 7 has been excerpted from Wild's 2004 report.

### 7.1 Regional Geology

Rossland Group rocks comprise the easternmost belt of Quesnel Terrane, accreted to North America in Middle Jurassic time (Hoy and Dunne, 1997). Slide Mountain Terrane, which separates Quesnellia from North America, is represented by tholeiitic basalts, serpentinite, siliceous argillite and volcaniclastic sediments of the Kaslo Group and the McHardy assemblage of the Milford Group. Kootenay Terrane rocks, including the Lardeau Group, Eagle Bay Assemblage, eastern assemblages of the Milford Group and portions of the Shuswap Metamorphic Complex overlie Paleozoic to Proterozoic North America.

The Rover Creek area is underlain by basinal sedimentary rocks of the Ymir Group, correlated as a distal equivalent of the Archibald Formation, the lowermost assemblage within the Rossland Group volcanics. Southwest of Nelson, mafic volcanic rocks of the Elise Formation, the middle succession of the Rossland Group, are in contact with Ymir rocks just east of Rover Creek in the vicinity of Bird Creek. Near the property, Rossland Group rocks are intruded by Middle Jurassic quartz monzonite to granodiorite of the Bonnington Pluton. Early to middle Jurassic Silver King intrusions intrude to the east of the property, and Lower Jurassic Eagle Creek Complex mafic intrusions occur to the northeast of the property. In the centre of the property, Hoy and Andrew (1989) mapped a plug of the Eocene Coryell Intrusions.

## 7.2 Property Geology

The author was only involved with the 2009 drill program, and therefore has limited this discussion to the area encompassing the drill holes. See Figure 3 (Diamond Drill Locations and Geology).

Within the immediate vicinity of the current drill program, the Silver Lynx property is underlain by fine-grained, dark, pyritic argillite and interbedded siltstones of the mid-Jurassic Ymir Group. These sediments overlie a package of phyllitic felsic rocks, interpreted to be tuffaceous in character (Harris, 2001). Mineralization either appears to be stratabound within 10 metres of the sediment-felsic volcanic contact, or is prevalent within the felsic tuffaceous units which are interlayered within the argillite-siltstone strata. A large south-plunging antiform may wrap the mineralized horizon around an axis located near both principal showings.

The Upper Lynx and Main or Lower Lynx Showings, are located near UTM coordinates 5474000mN and 468000mE near the drill holes SL-01-02 and 03 (Lower) and SL-09-10 (Upper) (Figure 3). The showings consist of semi-massive to disseminated pyrrhotite, sphalerite, galena, and chalcopyrite. An old cut around 4 metres by 4 metres in size is located on the Upper Lynx Showing. A small showing of pyrrhotite, located 200 metres north of the bridge across Snowwater Creek, was not tested.

### 7.3 Lithologic Units

#### Mudstone

In outcrop this unit is grey to black, generally fine-grained and massive with locally fissile mudstone interbedded with medium grey, fine to medium-grained siltstone. Massive mudstone and siltstone forms large cliff-forming outcrops. In core near the mineralized horizons, mudstone is finely laminated and interbedded with felsic crystal and lapilli tuffs and breccias. Some clasts of mudstone are found in some of the felsic fragmental units.

#### Felsic Tuff

Felsic tuffs range from pale grey to brown and pale green, and from ash to coarse lapilli to local tuff breccia. Tuff layers are usually finely laminated, often interlayered with fine mudstone. In general, this unit can be subdivided into crystal ash, lapilli and tuff breccia subunits of rhyolite to dacite composition.

Petrographic analysis of three samples of felsic tuff from near the Main Showing showed two of the samples with 47% quartz and much of the rest as hornblende +/- biotite. The third sample was composed of plagioclase, lesser quartz and minor chlorite, with "the aspect of a bedded tuffite of dacitic composition" (Harris, 2001). The other two samples contain between 10-20% sulphides; one is described as "a metamorphically recrystallized chemical sediment (impure chert) of volcanic exhalative origin". Pyrrhotite is the most common sulphide, ranging from 1 - 5% of the rock.

#### Limestone

Limestone occurs immediately west of L19E, south of TL 16+00N. The unit is pale greenish grey and fine-grained to massive, occurring as small outcrops with argillite and possible felsic tuff. No limestone was noted in core.

#### Quartz Monzonite to Quartz Diorite

Granitic rocks are medium grey, medium-grained to weakly porphyritic. Dykes are typically parallel to the principal foliation and are often themselves weakly foliated. Feldspar porphyry dykes observed in drill core are probably related to this group. A stock of leucocratic granitic rocks sits west of the grid, overlooking Snowwater Creek. The wide compositional range particularly along the contacts, suggests considerable crustal contamination and post-intrusion dyking. These granitic rocks appear to belong to the mid-Jurassic Bonnington pluton.

#### Andesite Dykes

Several non-descript medium green, fine-grained to very weakly porphyritic dykes intrude the strata. The dykes are generally concordant and sometimes weakly foliated.

#### Hornblende Porphyry

A few dykes of hornblende-biotite porphyry are found around the margins of the quartz monzonite to quartz diorite stocks and plugs. Phenocrysts include distinctive long tabular hornblende and hexagonal brown biotite in a fine-grained greenish-grey groundmass.

#### Gabbro

The southwest corner of the grid is underlain by a distinctive roundweathering gabbro plug oriented north to northwest, disappearing under the glacial till around Rover Creek. A second smaller plug lies at the south ends of L16E and L17E. The gabbro is dark green with coarse grains of pyroxene, biotite, and plagioclase. The relationship between gabbros and other intrusive rocks is uncertain. Extensive widths of this unit have been intersected in the westernmost diamond drillholes SL-09-15, 16 and 17 (up to 109 metres thick from casing), as well as SL-01-03, immediately south of the Lower Lynx Showing (Figure 3).

#### Augite Porphyry

Brown to dark green, fine-grained porphyry with augite phenocrysts altered to chlorite and calcite. Augite porphyry dykes are likely closely related to gabbro plugs and dykes. Orientations are difficult to determine.

### <u>Syenite</u>

A large syenite stock forms much of the upper portions of the ridge between Rover and Snowwater Creeks. Round syenite boulders are found scattered throughout the grid, having originated upslope. The syenite is very distinctive, strongly porphyritic, with large pink orthoclase megacrysts (>1 cm) and smaller quartz phenocrysts. It is weakly fractured, unoxidized, and of possible dimension stone quality. Its fresh, unaltered look suggests it may be part of the Eocene Coryell suite. A medium-grained dark grey-green diorite and possibly coarser-grained gabbro may constitute border phases of the stock.

## 7.4 Structure

Most of the grid is underlain by well-layered felsic tuffs interlayered within a thick sequence of argillite with silty turbiditic interbeds and minor limestone. A strong foliation is developed in all units with a consistent northwest strike and moderate to steep southwest dip. Bedding, where identified, is usually parallel to or indistinguishable from the principal foliation. This foliation is axial planar with a tight to isoclinal phase of folding. Bedding-cleavage angles are difficult to discern due to the massive nature of both the argillite and felsic tuff.

An upright, steep southeast-plunging antiform is apparent from the map pattern. A mineralized horizon near the top of the felsic unit is exposed on the northeast limb (Lower Lynx showing) and repeated on the southwest limb (Upper Lynx showing). To the immediate west, a partner synform and paired synformantiform are inferred from the outcrop distribution. Several stacked tight to isoclinal closures are evident near the Lower Lynx showing, separated by small faults. Locally, well-developed crenulation folds with vertical axial planar cleavage and moderately southeast plunging fold axes represents a second phase of folding within the argillite unit.

Large faults can be interpreted along Snowwater and Rover Creeks and some of their smaller tributaries. Fault breccias are found in exposures along the east side of Snowwater Creek, along a north flowing tributary near L20E, and near L22E on the grid. The direction and amount of displacement along these brittle structures is unknown. Diamond drillhole SL-01-04 intersected a significant fault of uncertain orientation. Drag folding is evident along the footwall of that fault.

## 7.5 Mineralization

Several showings are aligned near the top of the felsic volcanic unit, within 10-20 metres of the argillite contact. The most significant is the Main or Lower Lynx Showing, exposed in a rock cut at 11.3 kilometres on the Rover Creek Forestry Road. A dump of mineralized boulders below the lower branch of the road was likely blasted and pushed from the Lower Lynx Showing. Many boulders host semi-

massive to massive bands and lenses, disseminations, and minor crosscutting veins of fine to medium-grained pyrrhotite, sphalerite, galena, and chalcopyrite. Massive bands of sphalerite and galena range up to 2 centimetres thick. Pyrrhotite and chalcopyrite occur as patches, blebs and disseminations, and occasional wispy bands. Mineralization exposed in the road cut consists of disseminated to semimassive pyrrhotite with lesser blebby sphalerite and minor galena and chalcopyrite. Mineralization appears to be stratiform.

The Upper Lynx is located 170 metres south and uphill from the Lower Lynx. Sporadic mineralization consisting of blebby and veinlet sphalerite and disseminated pyrrhotite is found in moderately altered ash and lapilli felsic tuff. The showing is well exposed in an old undocumented working. A very small showing, sometimes called the Western Lynx, consisting of blebby to veinlet sphalerite is found near the 11-kilometre mark on the road. A fourth showing, approximately 280 metres downstream from the bridge across Snowwater Creek, also has an old small working with minor pyrrhotite. Minor sphalerite is found just below the road in the drainage below the Upper Lynx and in a few locations in the argillite up to 750 metres to the southeast.

## 8.0 Diamond Drilling

The 2009 phase of diamond drilling focused on the Upper and Lower Sulphide horizons as mapped by Wild, and previously determined VLF-EM anomalies (east-west to southeast-northwest trending). As previously mentioned, the density of the drillhole plan resulted in over-kill, such as holes SL-09-15, 16 and 17, all drilled in the same area where hole SL-04-07 had already been drilled.

The drill consisted of a skid mounted unit. Drill pads and roads were prepared by cat and excavator. Drill core is NQ diameter. All eight holes drilled were surveyed by a Reflex EasyShot instrument at roughly 150 m intervals. The core is currently stored at the drilling company's (Westcore Drilling Ltd.) address in Salmo, BC.

Geology of the four diamond drill holes logged exhibit as expected a continuation of the same characteristics as that observed in previous drilling. Strata are cut by numerous distinctive dykes and sills throughout all drill holes. Andesite and hornblende porphyry dykes post-date mineralization and deformation. Augite porphyry dykes, and gabbro dykes, sills and stocks are later still, related to Coryell gabbro and syenite stocks mapped nearby (Wild, 2004).

In this latest round of diamond drilling, mineralization comprising pyrrhotite with minor sphalerite and traces of galena and chalcopyrite was observed in core generally as sparse concentrations of narrow (commonly less than 5 mm) stringers, fracture fills, and disseminated clusters, within weak to moderately silicified felsic tuffs (possibly a combination of siltstone and felsic tuff), and locally within argillite/siltstone lithologies. Pyrrhotite and pyrite are common throughout the sedimentary units as disseminations and stringers. Arsenopyrite occurs locally associated with pyrrhotite. Interlayers of felsic tuff appear to become more common with drill depth, which is evident in drill holes SL-09-15, 16 and 17. These holes are

considerably deeper than those from the previous phases of drilling. Overall, observed mineralization in the four holes logged is weak and sporadic.

As stated by Wild, drilling confirms a consistent moderately southwest dipping foliation and parallel bedding, which where folded suggests a large antiformal closure to the southwest. Zones of crenulated, contorted strata, where bedding orientations are very variable but include dips parallel to the core axis, suggest possible hinge zones of folds. Correlating the hinge lines of the inferred folds between holes is difficult, and done with a low level of confidence.

### 8.1 Summary of Drill Holes

A discussion of the four holes logged follows:

#### SL-09-12

This hole was collared about 470 metres south of hole 8 at -55° dip and 5° azimuth and drilled to a depth of 350 metres. See Figure 4 (SL-09-12 Section). The target consisted of two east-west trending VLF-EM conductors. Lithology consists mainly of argillite/siltstone units intruded by diorite dykes/sills of extensive intercept widths. Only the occasional thin felsic tuff unit was encountered.

Observed mineralization was limited to pyrrhotite-pyrite with a few intervals of rare to trace sphalerite fracture fills and stringers at 127-133.9 m, 197-216 m and 246.5-247.5 m. Rare chalcopyrite fracture fills were observed at 297-305 m. There is no evidence of intersecting the source of the southernmost conductor. The hole may not have been drilled deep enough to intersect the northern conductor. This was the last hole logged. No core was split, nor submitted for analysis.

#### <u>SL-09-15</u>

The hole was collared about 60 metres northwest of hole 7 at -66° dip and 38° azimuth and drilled to a depth of 299 metres. See Figure 5 (SL-09-15 & 16 Section). The target was a western extension of the Upper sulphide horizon, which was reported to have been intersected in hole 7 at 102-120 m drill depth (Wild, 2004). Hole 15 intersected interlayered felsic tuff and argillite/siltstone, with a noticeable increase in the amount of tuff layers compared to hole 7. Numerous dykes and sills cut the strata.

A partially silicified felsic tuff layer hosting scattered stringers, fracture fills and disseminations of pyrrhotite-pyrite-sphalerite(-galena) at 79-100 m drill depth may be correlatable with the Upper sulphide zone encountered in hole 7. At a depth of 221-234.5 m, the same type of mineralization, although weaker, was encountered within a silicified felsic tuff layer which also exhibited contorted bedding and possible fold hinge zone. Other intervals with traces of sphalerite-galena-arsenopyrite mineralization were recorded at 254-256 m, 285-286 m. This hole did not intersect any significant mineralized intervals. No core was split and no samples submitted for analysis.

#### SL-09-16

The hole was collared about 155 metres southwest of hole 7 and 185 metres southwest of hole 15 at -50° dip and 38° azimuth and drilled to a depth of 455

metres. See Figure 5 (SL-09-15 & 16 Section). Like hole 15, this hole targeted a western extension of the Upper and possibly Lower sulphide horizons, as well as a VLF-EM conductor. The lithology consists predominantly of argillite/siltstone and felsic tuff interlayers with numerous dykes and sills. A thick gabbro body was intersected from casing to 84 m.

Mineralization consists of sparsely scattered stringers, fracture fills and disseminations of pyrrhotite-pyrite(-sphalerite±galena & chalcopyrite) commonly within silicified felsic tuff units. This is the only hole in which split core samples were submitted for analysis. A total of 65 samples were analyzed. Two closely spaced intervals at 280-282 m (2332ppm Zn) and 290.5-295.0 m (3633ppm Zn) with anomalous Zn concentrations may represent the Upper sulphide horizon. Weakly anomalous Cu-Pb values are associated. Other notable mineralized intercepts include: 360-363 m (1288ppm Zn) and 419.3-421.3 m (1567ppm Zn). No source of the VLF-EM conductor was observed, nor is there any indication of a lower sulphide horizon in the drill core.

#### SL-09-17

This hole was collared at the same location as hole 16, at -50° dip and 47° azimuth and drilled to a depth of 449 metres. See Figure 6 (SL-09-17 Section). The target is the same: a western extension of the Upper sulphide zone, and a VLF-EM conductor. The lithology is comparable to that in hole 16, consisting predominantly of argillite/siltstone and felsic tuff interlayers with numerous dykes and sills. A thick gabbro body was intersected from casing to 109 m.

Scattered zones of weak pyrrhotite-pyrite(-sphalerite±galena-chalcopyrite) mineralization are not uncommon. An interpreted Upper sulphide zone correlation possibly exists within 271-319 metres drill depth, which is characterized by a higher than normal density of mineralized stringers and fracture fills. Near the bottom, a thin zone with higher than normal density of mineralization was intersected at 423.5-431 metres, and may indicate a weakly formed Lower sulphide zone. Neither of these zones are impressive with respect to amount of sulphide concentrations. Although most of the designated core sample intervals in this was split, no samples were submitted to the lab for analysis.

A discussion of the four drill holes not logged follows:

#### SL-09-09

This hole was collared 110 metres south of hole 6, at -55° dip and 40° azimuth and drilled to a depth of 338 metres. The trajectory was parallel to and between holes 1 and 6. The target was both the Upper and Lower sulphide horizons. Core remains to be logged.

#### SL-09-10

This hole was collared 190 metres south of hole 1, at -55° dip and 30° azimuth and drilled to a depth of 300 metres. The intention was to intersect the Upper sulphide horizon proximal to a vertical plane containing both the Upper and Lower mineralized surface showings. Core remains to be logged. This was the last hole drilled before the program abruptly terminated.

#### <u>SL-09-13</u>

This hole was collared at the same location as hole 12, at -73° dip and 5° azimuth and drilled to a depth of 404 metres. The target was the southernmost VLF-EM conductor at a deeper depth than hole 12. Core remains to be logged.

## <u>SL-09-14</u>

This hole was collared 315 metres west of holes 12 and 13, at -53° dip and 5° azimuth and drilled to a depth of 272 metres. The target was a pair of closely spaced parallel VLF-EM conductors. Core remains to be logged.

#### 9.0 GEOCHEMISTRY

Sixty-five split core samples by rock saw, were prepared and analyzed by Eco Tech Laboratory Ltd. of 10041 Dallas Drive, Kamloops, BC. All samples are from drill hole SL-09-16. Numbers and intervals are recorded on the drill log for this hole. The samples were prepared for shipping to the laboratory under the supervision of the author.

All samples underwent the standard preparation (crushing, pulverization, splitting) for rock material. The samples were analyzed for 28 element digestion ICP trace element detection. Samples were not analysed for gold. Analysis results were forwarded electronically to the author. A description of the laboratory's sample preparation and analysis methodology is included in Appendix 4, along with the analysis certificate.

Eco Tech Laboratory Ltd. is a certified company which adheres to strict quality control procedures and operates according to ISO quality assurance guidelines. The lab performed six random duplicate analyses, inserted two standard check analyses, and re-split and analysed two samples. No abnormal deviations of results were detected.

The author instituted a policy of randomly inserting both a duplicate and blank sample once every twelve samples. The blanks were made up of the gabbro unit recovered in the core (drill holes 16 and 17). Of the sixty-five samples, eleven comprise the blanks and duplicates. Again no abnormal discrepancies were observed in the results.

Results of the drill core analyses have previously been discussed under "Diamond Drilling".

#### 10.0 MINERAL RESOURCE AND MINERAL RESERVE ESTIMATES

No mineral resource or reserve estimates have been made by the author.

### 11.0 CONCLUSIONS AND RECOMMENDATIONS

The 2009 Silver Lynx diamond program consisted of eight holes totalling 2867 metres when the program terminated abruptly. Only four holes were logged, and samples from only one drill hole were analysed. All eight holes targeted either or both the Upper and Lower sulphide horizons, and / or VLF-EM anomalies detected from a previous survey. The Lower or Main showing consists of high-grade semi-massive to massive zinc-copper-silver mineralization, indicating a VMS style of emplacement. The drill program was basically a continuation of two previous drill programs conducted in 2001 and 2004. In the two previous programs, significant mineralization was intersected in drill holes SL-01-01 and 02 near the original Lower showing, where values up to 6.87% Zn, 1.13% Pb and 42.5 g/t Ag were recorded over 0.6 metres (Wild, 2004). The westernmost drill hole SL-04-07 intersected a broad zone of weak mineralization, with a high of 0.76% encountered, which has been interpreted as representative of the Upper horizon.

Results of the 2009 program are similar to those of the 2004 program. No significant mineralization approaching economic values were encountered. However zinc values up to 3633 ppm over 4.5 metres were recorded in hole 16, the only hole with analysed samples, from a zone interpreted as the Upper horizon extending from 280-295.0 metres drill depth. An interpreted Upper sulphide zone was encountered in hole SL-09-17 within 271-319 metres depth range, where a relatively high density of pyrrhotite-pyrite(-sphalerite) stringers and fracture fills is evident. A similarly interpreted Upper sulphide zone in hole SL-09-15 was intersected within 79-100 metres depth range, where weak anomalous mineralization exists.

The Lower sulphide horizon was possibly recognized only in SL-09-17 from 423-431 metres drill depth, where a higher than normal density of sulphide bearing stringers, fracture fills and disseminations is present.

Two holes drilled that were not logged nor sampled have a very good potential of containing the Upper and/or Lower sulphide zones. SL-09-09 and SL-09-10 are the two most important holes drilled during this program. Hole 9 should contain both horizons if present. Hole 10 targeted only the Upper horizon, and was collared slightly upslope and down-dip of the Upper showing.

The VLF-EM anomalies do not appear to be reflecting any significant sulphide mineralization, based on the core logging in holes 12, 16 and 17. Holes 13 and 14, which have not been logged would be the remaining candidates for hosting EM related mineralization.

The author strongly recommends that attempts be made to log and sample the remaining unlogged holes SL-09-09, 10, 13 and 14. Logged holes that probably don't warrant sampling are SL-09-15 and 17. The analysed results of holes SL-09-16 and SL-04-07 within this small area of high density drilling is sufficient in the author's view. There are a few noted intervals in hole SL-09-12 that should probably be sampled.

Future work should include a re-evaluation of all data before initiating any new phase of exploration. Some petrographic studies involving the identification of the felsic tuff unit versus siltstone should be considered. What has been identified as silicified tuff has been regarded to date as the favourable host of mineralization. Additional mapping and prospecting is warranted also.

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**APPENDIX 1** 

SCHEDULES

Schedule	A: List of Ten	ures - Event	4279455				p1 of 3
Tenure Numbers	Claim Name	Issue Date	Work Performed Index	Old Good To Date	New Good To Date	Area (Ha)	Applied Work Value
233542	TONY	1987/apr/14	Ν	2009/may/01	2009/aug/01	150	\$ 302.47
233743	JOANIE #3	1988/feb/26	Ν	2009/may/01	2009/aug/01	25	\$ 50.41
233803	JOANIE #4	1988/may/09	N	2009/may/01	2009/aug/01	25	\$ 50.41
302315	TAMMY #16	1991/jul/01	Ν	2009/may/01	2009/aug/01	25	\$ 50.41
302316	TAMMY #17	1991/jul/02	Ν	2009/may/01	2009/aug/01	25	\$ 50.41
310801	TAJ 2	1992/jun/19	Ν	2009/may/01	2009/aug/01	25	\$ 50.41
310803	TAJ 5	1992/jun/19	N	2009/may/01	2009/aug/01	25	\$ 50.41
316100	JAMTT 5	1993/feb/13	N	2009/may/01	2009/aug/01	25	\$ 50.41
316102	JAMTT 7	1993/feb/16	Ν	2009/may/01	2009/aug/01	25	\$ 50.41
316105	TRMK 4-2	1993/feb/09	Ν	2009/may/01	2009/aug/01	25	\$ 50.41
316106	TMRK 4-3	1993/feb/09	N	2009/may/01	2009/aug/01	25	\$ 50.41
316112	AMEGO 6	1993/feb/11	Ν	2009/may/01	2009/aug/01	25	\$ 50.41
316554	GG 2	1993/feb/24	Ν	2009/may/01	2009/aug/01	25	\$ 50.41
318959	RUTH 2	1993/jun/20	Ν	2009/may/01	2009/aug/01	25	\$ 50.41
318960	RUTH 3	1993/jun/20	Ν	2009/may/01	2009/aug/01	25	\$ 50.41
319690	RUTH 5	1993/jul/17	Ν	2009/may/01	2009/aug/01	25	\$ 50.41
319692	RUTH 6	1993/jul/17	Ν	2009/may/01	2009/aug/01	25	\$ 50.41
322424	49-3	1993/nov/12	Ν	2009/may/01	2009/aug/01	25	\$ 50.41
322437	P.B. #1	1993/nov/06	Ν	2009/may/01	2009/aug/01	25	\$ 50.41
322439	P.B. #3	1993/nov/07	Ν	2009/may/01	2009/aug/01	25	\$ 50.41
322440	P.B. #4	1993/nov/07	Ν	2009/may/01	2009/aug/01	25	\$ 50.41
322441	P.B. #5	1993/nov/07	Ν	2009/may/01	2009/aug/01	25	\$ 50.41
322443	P.B. #7	1993/nov/07	Ν	2009/may/01	2009/aug/01	25	\$ 50.41
322444	P.B. #8	1993/nov/07	N	2009/may/01	2009/aug/01	25	\$ 50.41
322445	J.D. #1	1993/nov/09	N	2009/may/01	2009/aug/01	25	\$ 50.41
322446	J.D. #2	1993/nov/09	N	2009/may/01	2009/aug/01	25	\$ 50.41
322447	J.D. #3	1993/nov/09	N	2009/may/01	2009/aug/01	25	\$ 50.41
322448	J.D. #4	1993/nov/09	N	2009/may/01	2009/aug/01	25	\$ 50.41
322450	J.D. #6	1993/nov/09	N	2009/may/01	2009/aug/01	25	\$ 50.41
324992	TMRK-3A	1994/apr/18	N	2009/may/01	2009/aug/01	25	\$ 50.41
324994	TMRK-3C	1994/apr/18	N	2009/may/01	2009/aug/01	25	\$ 50.41
324996	TMRK-3E	1994/apr/18	N	2009/may/01	2009/aug/01	25	\$ 50.41
324998	TMRK 3-G	1994/apr/20	N	2009/may/01	2009/aug/01	25	\$ 50.41
325462	RAM 1	1994/may/03	N	2009/may/01	2009/aug/01	25	\$ 50.41
325463	RAM 2	1994/may/03	N	2009/may/01	2009/aug/01	25	\$ 50.41
327227	R 1	1994/jun/21	N	2009/may/01	2009/aug/01	25	\$ 50.41
327228	R 2	1994/jun/21	N	2009/may/01	2009/aug/01	25	\$ 50.41
327230	R 4	1994/jun/21	N	2009/may/01	2009/aug/01	25	\$ 50.41
337998	HOHO 1	1995/jul/07	N	2009/may/01	2009/aug/01	25	\$ 50.41
337999	HOHO 2	1995/jul/07	N	2009/may/01	2009/aug/01	25	\$ 50.41
338000	НОНО 3	1995/jul/07	N	2009/may/01	2009/aug/01	25	\$ 50.41
338001	HOHO 4	1995/jul/07	N	2009/may/01	2009/aug/01	25	\$ 50.41
338002	НОНО 7	1995/jul/11	N	2009/may/01	2009/aug/01	25	\$ 50.41
338003	HOHO 8	1995/jul/11	Ν	2009/may/01	2009/aug/01	25	\$ 50.41

Schedule A: List of Tenures - Event 4279455 pt							p2 of 3
Topuro			Work				Applied
Numbers	Claim Name	Issue Date	Performed Index	Old Good To Date	New Good To Date	Area (Ha)	Work Value
338004	НОНО 9	1995/jul/11	N	2009/may/01	2009/aug/01	25	\$ 50.41
338005	НОНО 10	1995/iul/11	N	2009/may/01	2009/aug/01	25	\$ 50.41
338006	НОНО 11	1995/iul/12	N	2009/may/01	2009/aug/01	25	\$ 50.41
338008	HFFHAW 1	1995/iul/14	N	2009/may/01	2009/aug/01	25	\$ 50.41
338009	HEEHAW 2	1995/jul/14	N	2009/may/01	2009/aug/01	25	\$ 50 41
338010	HEEHAW 3	1995/jul/14	N	2009/may/01	2009/aug/01	25	\$ 50 41
338011	HEEHAW 4	1995/jul/14	N	2009/may/01	2009/aug/01	25	\$ 50 41
338013	HEEHAW 6	1995/jul/17	N	2009/may/01	2009/aug/01	25	\$ 50.41
338014	HEEHAW 7	1995/jul/17	N	2009/may/01	2009/aug/01	25	\$ 50.41
338015	HEEHAW 8	1995/jul/17	N	2009/may/01	2009/aug/01	25	\$ 50.41
338017		1005/jul/17	N	2009/may/01	2009/aug/01	25	\$ 50.41
338020		1995/jul/19	N	2009/may/01	2009/aug/01	25	\$ 50.41
229021	JD 3	1995/jul/10	N	2009/may/01	2009/aug/01	25	\$ 50.41
336021		1995/Jul/18	N	2009/may/01	2009/aug/01	20	\$ 30.41 \$ 50.41
338022	<u>10 0</u>	1005/jul/10	N	2009/may/01	2009/aug/01	20	\$ 50.41
330023	JD 9	1995/Jul/18	N	2009/may/01	2009/aug/01	20	\$ 30.41 \$ 50.41
336024	JD 10	1995/Jul/18	N	2009/may/01	2009/aug/01	20	\$ 30.41 \$ 50.41
330020	JD 12	1995/Jul/18	N N	2009/may/01	2009/aug/01	20	\$ 30.41
338027	JD 13	1995/Jul/18	IN N	2009/may/01	2009/aug/01	25	\$ 50.41
338028	JD 14	1995/Jul/18	N	2009/may/01	2009/aug/01	25	\$ 50.41
338030	HOHO 5	1995/Jul/07	N	2009/may/01	2009/aug/01	25	\$ 50.41
338031	HUHU 6	1995/Jul/07	N	2009/may/01	2009/aug/01	25	\$ 50.41
338479	DYLANN I	1995/Jul/20	N	2009/may/01	2009/aug/01	25	\$ 50.41
338481	DYLANN 3	1995/jul/20	N	2009/may/01	2009/aug/01	25	\$ 50.41
338816	R.C. I	1995/Jul/24	N	2009/may/01	2009/aug/01	25	\$ 50.41
338817	R.C. 2	1995/jul/24	N	2009/may/01	2009/aug/01	25	\$ 50.41
338978	R.C. 13	1995/jul/29	N	2009/may/01	2009/aug/01	25	\$ 50.41
338979	R.C. 14	1995/jul/29	N	2009/may/01	2009/aug/01	25	\$ 50.41
339285	R3	1995/aug/10	N	2009/may/01	2009/aug/01	25	\$ 50.41
339576	SJ2	1995/aug/19	N	2009/may/01	2009/aug/01	25	\$ 50.41
339582	SJ4	1995/aug/19	N	2009/may/01	2009/aug/01	25	\$ 50.41
339584	SJ6	1995/aug/19	N	2009/may/01	2009/aug/01	25	\$ 50.41
340027	SJ10	1995/sep/04	N	2009/may/01	2009/aug/01	25	\$ 50.41
340029	SJ 12	1995/sep/04	N	2009/may/01	2009/aug/01	25	\$ 50.41
340030	SJ 13	1995/sep/04	N	2009/may/01	2009/aug/01	25	\$ 50.41
340031	SJ 14	1995/sep/04	N	2009/may/01	2009/aug/01	25	\$ 50.41
341575	SJ 8	1995/oct/25	N	2009/may/01	2009/aug/01	25	\$ 50.41
347153	DYLANN 5	1996/jun/07	N	2009/may/01	2009/aug/01	25	\$ 50.41
347155	DYLANN 8	1996/jun/07	N	2009/may/01	2009/aug/01	25	\$ 50.41
350445	HOHO 12	1996/aug/24	N	2009/may/01	2009/aug/01	25	\$ 50.41
390701	HEEHAW 11	2001/oct/21	N	2009/may/01	2009/aug/01	25	\$ 50.41
390702	HEEHAW 12	2001/oct/21	N	2009/may/01	2009/aug/01	25	\$ 50.41
390703	HEEHAW 13	2001/oct/24	N	2009/may/01	2009/aug/01	25	\$ 50.41
390704	HEEHAW 14	2001/oct/24	N	2009/may/01	2009/aug/01	25	\$ 50.41
390705	HEEHAW 15	2001/oct/25	N	2009/may/01	2009/aug/01	25	\$ 50.41
390706	HEEHAW 16	2001/oct/25	N	2009/may/01	2009/aug/01	25	\$ 50.41

Schedule A: List of Tenures - Event 4279455							
Tenure Numbers	Claim Name	Issue Date	Work Performed Index	Old Good To Date	New Good To Date	Area (Ha)	Applied Work Value
390886	S.J. 15	2001/nov/19	N	2009/may/01	2009/aug/01	25	\$ 50.41
390887	S.J. 16	2001/nov/19	N	2009/may/01	2009/aug/01	25	\$ 50.41
394694	JD 15	2002/jul/03	N	2009/may/01	2009/aug/01	25	\$ 50.41
394695	JD 16	2002/jul/04	N	2009/may/01	2009/aug/01	25	\$ 50.41
394697	JD 18	2002/jul/03	N	2009/may/01	2009/aug/01	25	\$ 50.41
394700	JD 21	2002/jul/03	N	2009/may/01	2009/aug/01	25	\$ 50.41
538813	NELSON A	2006/aug/06	N	2009/may/01	2009/aug/01	42	\$ 42.34
386738	SILVER LYNX I	2001/may/20	Y	2010/sep/15	2011/sep/16	500	\$ 4010.96
Totals:						3042	9295.95

Recorded Date	2009/may/01
Work Type	Technical (T)
Physical Items	Labour (L), Supply costs (S), Machinery and equipment (M), Drilling (PD), Preparatory Surveys (PS), Transportation / travel expenses (TT)
Technical Items	Geological (G), Geochemical (C), Drilling (TD), PAC Withdrawal (up to 30% of technical work performed) (W3)
Work Start Date	2009/feb/01
Work Stop Date	2009/mar/30
Total Value of Work	\$ 8000.94
Financial Summary:	
Total Applied Work Value:	\$ 9295.95
PAC name	liberty international mineral corp
Debited PAC amount	\$ 1295.01
Total Submission Fees	\$ 466.86
Total Paid	\$ 466.92
Related Summary:	
Existing Work Program	
Event Numbers	4316610

Schedule B: List of Tenures - Event 4316610 p1 of 5								
Tenure Numbers	Claim Name	Issue Date	Work Performed Index	Old Good To Date	New Good To Date	Area (Ha)	Applied Work Value	
233542	TONY	1987/apr/14	N	2009/aug/12	2010/may/12	150	\$ 897.53	
233743	JOANIE #3	1988/feb/26	N	2009/aug/12	2010/may/12	25	\$ 149.59	
233803	JOANIE #4	1988/may/09	N	2009/aug/12	2010/may/12	25	\$ 149.59	
302315	TAMMY #16	1991/jul/01	N	2009/aug/12	2010/may/12	25	\$ 149.59	
302316	TAMMY #17	1991/jul/02	N	2009/aug/12	2010/may/12	25	\$ 149.59	
310801	TAJ 2	1992/jun/19	N	2009/aug/12	2010/may/12	25	\$ 149.59	
310803	TAJ 5	1992/jun/19	N	2009/aug/12	2010/may/12	25	\$ 149.59	
316100	JAMTT 5	1993/feb/13	N	2009/aug/12	2010/may/12	25	\$ 149.59	
316102	JAMTT 7	1993/feb/16	N	2009/aug/12	2010/may/12	25	\$ 149.59	
316105	TRMK 4-2	1993/feb/09	N	2009/aug/12	2010/may/12	25	\$ 149.59	
316106	TMRK 4-3	1993/feb/09	N	2009/aug/12	2010/may/12	25	\$ 149.59	
316112	AMEGO 6	1993/feb/11	N	2009/aug/12	2010/may/12	25	\$ 149.59	
316554	GG 2	1993/feb/24	N	2009/aug/12	2010/may/12	25	\$ 149.59	
318959	RUTH 2	1993/jun/20	N	2009/aug/12	2010/may/12	25	\$ 149.04	
318960	RUTH 3	1993/jun/20	N	2009/aug/12	2010/may/12	25	\$ 149.59	
319690	RUTH 5	1993/jul/17	N	2009/aug/12	2010/may/12	25	\$ 149.59	
319692	RUTH 6	1993/jul/17	N	2009/aug/12	2010/may/12	25	\$ 149.59	
322424	49-3	1993/nov/12	N	2009/aug/12	2010/may/12	25	\$ 149.59	
322437	P.B. #1	1993/nov/06	N	2009/aug/12	2010/may/12	25	\$ 149.59	
322439	P.B. #3	1993/nov/07	N	2009/aug/12	2010/may/12	25	\$ 149.59	
322440	P.B. #4	1993/nov/07	N	2009/aug/12	2010/may/12	25	\$ 149.59	
322441	P.B. #5	1993/nov/07	N	2009/aug/12	2010/may/12	25	\$ 149.59	
322443	P.B. #7	1993/nov/07	N	2009/aug/12	2010/may/12	25	\$ 149.59	
322444	P.B. #8	1993/nov/07	N	2009/aug/12	2010/may/12	25	\$ 149.59	
322445	J.D. #1	1993/nov/09	N	2009/aug/12	2010/may/12	25	\$ 149.59	
322446	J.D. #2	1993/nov/09	N	2009/aug/12	2010/may/12	25	\$ 149.59	
322447	J.D. #3	1993/nov/09	N	2009/aug/12	2010/may/12	25	\$ 149.59	
322448	J.D. #4	1993/nov/09	N	2009/aug/12	2010/may/12	25	\$ 149.59	
322450	J.D. #6	1993/nov/09	N	2009/aug/12	2010/may/12	25	\$ 149.59	
324992	TMRK-3A	1994/apr/18	N	2009/aug/12	2010/may/12	25	\$ 149.59	
324994	TMRK-3C	1994/apr/18	N	2009/aug/12	2010/may/12	25	\$ 149.59	
324996	TMRK-3E	1994/apr/18	N	2009/aug/12	2010/may/12	25	\$ 149.59	
324998	TMRK 3-G	1994/apr/20	N	2009/aug/12	2010/may/12	25	\$ 149.59	
325462	RAM 1	1994/may/03	N	2009/aug/12	2010/may/12	25	\$ 149.59	
325463	RAM 2	1994/may/04	N	2009/aug/12	2010/may/12	25	\$ 149.59	
327227	R 1	1994/jun/21	N	2009/aug/12	2010/may/12	25	\$ 149.59	
327228	R 2	1994/jun/21	N	2009/aug/12	2010/may/12	25	\$ 149.59	
327230	R 4	1994/jun/21	N	2009/aug/12	2010/may/12	25	\$ 149.59	
337998	HOHO 1	1995/jul/07	N	2009/aug/12	2010/may/12	25	\$ 149.59	
337999	HOHO 2	1995/jul/07	N	2009/aug/12	2010/may/12	25	\$ 149.59	
338000	НОНО 3	1995/jul/07	N	2009/aug/12	2010/may/12	25	\$ 149.59	
338001	НОНО 4	1995/jul/07	N	2009/aug/12	2010/may/12	25	\$ 149.59	
338002	НОНО 7	1995/jul/11	Ν	2009/aug/12	2010/may/12	25	\$ 149.59	

Schedule	B: List of Tenu	ures - Event 4	316610				p2 of 5
Tenure Numbers	Claim Name	Issue Date	Work Performed Index	Old Good To Date	New Good To Date	Area (Ha)	Applied Work Value
338003	НОНО 8	1995/jul/11	N	2009/aug/12	2010/may/12	25	\$ 149.59
338004	НОНО 9	1995/jul/11	N	2009/aug/12	2010/may/12	25	\$ 149.59
338005	НОНО 10	1995/jul/11	Ν	2009/aug/12	2010/may/12	25	\$ 149.59
338006	HOHO 11	1995/jul/12	Ν	2009/aug/12	2010/may/12	25	\$ 149.59
338008	HEEHAW 1	1995/jul/14	N	2009/aug/12	2010/may/12	25	\$ 149.59
338009	HEEHAW 2	1995/jul/14	N	2009/aug/12	2010/may/12	25	\$ 149.59
338010	HEEHAW 3	1995/jul/14	N	2009/aug/12	2010/may/12	25	\$ 149.59
338011	HEEHAW 4	1995/jul/14	N	2009/aug/12	2010/may/12	25	\$ 149.59
338013	HEEHAW 6	1995/jul/17	N	2009/aug/12	2010/may/12	25	\$ 149.59
338014	HEEHAW 7	1995/jul/17	N	2009/aug/12	2010/may/12	25	\$ 149.59
338015	HEEHAW 8	1995/jul/17	N	2009/aug/12	2010/may/12	25	\$ 149.59
338017	HEEHAW 10	1995/jul/17	N	2009/aug/12	2010/may/12	25	\$ 149.59
338020	JD 5	1995/jul/18	N	2009/aug/12	2010/may/12	25	\$ 149.59
338021	JD 7	1995/jul/18	N	2009/aug/12	2010/may/12	25	\$ 149.59
338022	JD 8	1995/jul/18	N	2009/aug/12	2010/may/12	25	\$ 149.59
338023	JD 9	1995/jul/18	Ν	2009/aug/12	2010/may/12	25	\$ 149.59
338024	JD 10	1995/jul/18	Ν	2009/aug/12	2010/may/12	25	\$ 149.59
338026	JD 12	1995/jul/18	Ν	2009/aug/12	2010/may/12	25	\$ 149.59
338027	JD 13	1995/jul/18	Ν	2009/aug/12	2010/may/12	25	\$ 149.59
338028	JD 14	1995/jul/18	Ν	2009/aug/12	2010/may/12	25	\$ 149.59
338030	НОНО 5	1995/jul/07	Ν	2009/aug/12	2010/may/12	25	\$ 149.59
338031	НОНО 6	1995/jul/07	Ν	2009/aug/12	2010/may/12	25	\$ 149.59
338479	DYLANN I	1995/jul/20	Ν	2009/aug/12	2010/may/12	25	\$ 149.59
338481	DYLANN 3	1995/jul/20	Ν	2009/aug/12	2010/may/12	25	\$ 149.59
338816	R.C. 1	1995/jul/24	Ν	2009/aug/12	2010/may/12	25	\$ 149.59
338817	R.C. 2	1995/jul/24	Ν	2009/aug/12	2010/may/12	25	\$ 149.59
338978	R.C. 13	1995/jul/29	Ν	2009/aug/12	2010/may/12	25	\$ 149.59
338979	R.C. 14	1995/jul/29	Ν	2009/aug/13	2010/may/12	25	\$ 149.04
339285	R3	1995/aug/10	Ν	2009/aug/12	2010/may/12	25	\$ 149.59
339576	SJ2	1995/aug/19	N	2009/aug/12	2010/may/12	25	\$ 149.59
339582	SJ4	1995/aug/19	Ν	2009/aug/12	2010/may/12	25	\$ 149.59
339584	SJ6	1995/aug/19	Ν	2009/aug/12	2010/may/12	25	\$ 149.59
340027	SJ10	1995/sep/04	Ν	2009/aug/12	2010/may/12	25	\$ 149.59
340029	SJ 12	1995/sep/04	Ν	2009/aug/12	2010/may/12	25	\$ 149.59
340030	SJ 13	1995/sep/04	Ν	2009/aug/12	2010/may/12	25	\$ 149.59
340031	SJ 14	1995/sep/04	Ν	2009/aug/12	2010/may/12	25	\$ 149.59
341575	SJ 8	1995/oct/25	N	2009/aug/12	2010/may/12	25	\$ 149.59
347153	DYLANN 5	1996/jun/07	N	2009/aug/12	2010/may/12	25	\$ 149.59
347155	DYLANN 8	1996/jun/07	N	2009/aug/12	2010/may/12	25	\$ 149.59
349881	DEB 2	1996/aug/27	Ν	2009/sep/30	2010/jun/30	25	\$ 149.59
349882	DEB 3	1996/aug/27	N	2009/sep/30	2010/jun/30	25	\$ 149.59
349883	DEB 4	1996/aug/27	Ν	2009/sep/30	2010/jun/30	25	\$ 149.59
350445	HOHO 12	1996/aug/24	N	2009/aug/12	2010/may/12	25	\$ 149.59
390701	HEEHAW 11	2001/oct/21	Ν	2009/aug/12	2010/may/12	25	\$ 149.59

Schedule	B: List of Tenu	ures - Event 4	316610				p3 of 5
Tenure Numbers	Claim Name	Issue Date	Work Performed Index	Old Good To Date	New Good To Date	Area (Ha)	Applied Work Value
390702	HEEHAW 12	2001/oct/21	N	2009/aug/12	2010/may/12	25	\$ 149.59
390703	HEEHAW 13	2001/oct/24	N	2009/aug/12	2010/may/12	25	\$ 149.59
390704	HEEHAW 14	2001/oct/24	N	2009/aug/12	2010/may/12	25	\$ 149.59
390705	HEEHAW 15	2001/oct/25	N	2009/aug/12	2010/may/12	25	\$ 149.59
390706	HEEHAW 16	2001/oct/25	N	2009/aug/12	2010/may/12	25	\$ 149.59
390886	S.J. 15	2001/nov/19	N	2009/aug/12	2010/may/12	25	\$ 149.59
390887	S.J. 16	2001/nov/19	N	2009/aug/12	2010/may/12	25	\$ 149.59
394694	JD 15	2002/jul/03	N	2009/aug/12	2010/may/12	25	\$ 149.59
394695	JD 16	2002/jul/04	N	2009/aug/12	2010/may/12	25	\$ 149.59
394697	JD 18	2002/jul/03	N	2009/aug/12	2010/may/12	25	\$ 149.59
394700	JD 21	2002/jul/03	N	2009/aug/12	2010/may/12	25	\$ 149.59
538735	NELSON 1	2006/aug/04	N	2009/aug/12	2010/may/12	21	\$ 62.82
538736	NELSON 2	2006/aug/04	N	2009/aug/12	2010/may/12	21	\$ 62.82
538737	NELSON 3	2006/aug/04	N	2009/aug/12	2010/may/12	21	\$ 62.82
538813	NELSON A	2006/aug/06	N	2009/aug/12	2010/may/12	42	\$ 125.65
538814	NELSON B	2006/aug/06	N	2009/sep/30	2010/jun/30	21	\$ 62.82
538815	NELSON C	2006/aug/06	N	2009/sep/30	2010/jun/30	21	\$ 62.82
538816	NELSON D	2006/aug/06	N	2009/oct/01	2010/oct/01	42.01	\$ 193.81
538868	NELSON E	2006/aug/08	N	2009/sep/30	2010/jun/30	21	\$ 62.82
538869	NELSON F	2006/aug/08	N	2009/sep/30	2010/jun/30	21.01	\$ 62.84
546882		2006/dec/08	N	2009/sep/30	2010/jun/30	83.97	\$ 251.20
546883		2006/dec/08	N	2009/sep/30	2010/jun/30	83.96	\$ 251.20
546884		2006/dec/08	N	2009/sep/30	2010/jun/30	83.96	\$ 251.20
546885		2006/dec/08	N	2009/sep/30	2010/jun/30	83.98	\$ 251.24
546886		2006/dec/08	N	2009/sep/30	2010/jun/30	41.98	\$ 125.60
546887		2006/dec/08	N	2009/oct/01	2010/jul/01	41.98	\$ 125.60
546888		2006/dec/08	N	2009/sep/30	2010/jun/30	83.99	\$ 251.28
546889		2006/dec/08	N	2009/sep/30	2010/jun/30	21	\$ 62.82
546890		2006/dec/08	N	2009/oct/01	2010/jul/01	210.01	\$ 628.31
546891		2006/dec/08	N	2009/oct/02	2010/jul/02	42	\$ 125.66
546892		2006/dec/08	N	2009/sep/30	2010/jun/30	84.02	\$ 251.38
546893		2006/dec/08	N	2009/sep/30	2010/jun/30	84.02	\$ 251.38
546894		2006/dec/08	N	2009/oct/02	2010/jul/02	84.02	\$ 251.38
546898		2006/dec/08	N	2009/sep/30	2010/jun/30	21	\$ 62.82
546899		2006/dec/08	N	2009/sep/30	2010/jun/30	84	\$ 251.32
546900		2006/dec/08	N	2009/sep/30	2010/jun/30	84.01	\$ 251.33
546902		2006/dec/08	N	2009/sep/30	2010/jun/30	21	\$ 62.83
546905		2006/dec/08	N	2009/oct/02	2010/jul/02	84.04	\$ 251.42
546907		2006/dec/08	N	2009/oct/02	2010/jul/02	63.03	\$ 188.57
546908		2006/dec/08	N	2009/sep/30	2010/jun/30	42.01	\$ 125.69
546909		2006/dec/08	N	2009/sep/30	2010/jun/30	21.01	\$ 62.85
546910		2006/dec/08	N	2009/sep/30	2010/jun/30	63.01	\$ 188.51
546911		2006/dec/08	N	2009/sep/30	2010/jun/30	63.01	\$ 188.52
546912		2006/dec/08	N	2009/sep/30	2010/jun/30	42.01	\$ 125.69

Schedule	B: List of Ten	ures - Event 4	316610				p4 of 5
Tenure Numbers	Claim Name	Issue Date	Work Performed Index	Old Good To Date	New Good To Date	Area (Ha)	Applied Work Value
546914		2006/dec/08	Ν	2009/oct/02	2010/jul/02	21.01	\$ 62.84
546915	GOOD HOPE	2006/dec/08	N	2009/oct/01	2010/jul/02	42.01	\$ 126.14
546916	GOOD HOPE 2	2006/dec/08	N	2009/oct/01	2010/jul/02	21	\$ 63.07
546917		2006/dec/08	Ν	2009/oct/02	2010/jul/02	42.02	\$ 125.71
546918	GH EAST	2006/dec/08	N	2009/sep/30	2010/jun/30	21	\$ 62.84
546920		2006/dec/08	N	2009/sep/30	2010/jun/30	84.02	\$ 251.38
546922		2006/dec/08	N	2009/oct/02	2010/jul/02	42.01	\$ 125.70
546923		2006/dec/08	N	2009/sep/30	2010/jun/30	42.02	\$ 125.71
546924		2006/dec/08	N	2009/sep/30	2010/jun/30	21.01	\$ 62.85
546925		2006/dec/08	N	2009/sep/30	2010/jun/30	21.01	\$ 62.85
546933		2006/dec/08	N	2009/sep/30	2010/jun/30	42.04	\$ 125.77
546934		2006/dec/08	N	2010/jun/08	2011/mar/08	63.06	\$ 250.84
546935		2006/dec/08	N	2009/sep/30	2010/jun/30	21.02	\$ 62.89
546936		2006/dec/08	N	2009/sep/30	2010/jun/30	84.06	\$ 251.50
546939		2006/dec/08	N	2009/sep/30	2010/jun/30	63.04	\$ 188.60
546940		2006/dec/08	N	2009/sep/30	2010/jun/30	63.04	\$ 188.60
546942		2006/dec/08	N	2009/oct/02	2010/jul/02	42.02	\$ 125.71
546943		2006/dec/08	N	2009/sep/30	2010/jun/30	42.02	\$ 125.71
546944		2006/dec/08	N	2009/sep/30	2010/jun/30	21.01	\$ 62.85
380873	ROVER 7	2000/sep/17	N	2010/sep/15	2011/jun/15	25	\$ 149.59
381521	SILVER LYNX 3	2000/oct/19	N	2010/sep/15	2011/jun/15	25	\$ 149.59
381523	SILVER LYNX 5	2000/oct/20	N	2010/sep/15	2011/jun/15	25	\$ 149.59
381524	SILVER LYNX 6	2000/oct/23	N	2010/sep/15	2011/jun/15	25	\$ 149.59
381526	SILVER LYNX 8	2000/oct/23	N	2010/sep/15	2011/jun/15	25	\$ 149.59
382909	SILVER LYNX 12	2000/nov/22	N	2010/sep/15	2011/jun/15	25	\$ 149.59
382911	SILVER LYNX 14	2000/nov/22	N	2010/sep/15	2011/jun/15	25	\$ 149.59
382913	SILVER LYNX 16	2000/nov/22	N	2010/sep/15	2011/jun/15	25	\$ 149.59
386738	SILVER LYNX I	2001/may/20	Y	2011/sep/16	2012/jun/16	500	\$ 2991.78
387595	SILVER LYNX 19	2001/jun/16	N	2009/sep/15	2010/jun/15	25	\$ 149.59
508178		2005/mar/02	N	2010/sep/15	2011/jun/15	105.07	\$ 628.70
509288		2005/mar/19	N	2010/sep/15	2011/jun/15	42.03	\$ 251.50
509290		2005/mar/19	N	2010/sep/15	2011/jun/15	42.04	\$ 251.53
510906		2005/apr/18	N	2010/sep/15	2011/jun/15	42.03	\$ 251.50
522234	GOLD LYNX	2005/nov/12	Ν	2009/sep/30	2010/jun/30	21.01	\$ 115.83
Totals:						6198.64	29291.93

Schedule B: List of Te	nures - Event 4316610 p5 of 5	
Recorded Date	2009/aug/12	
Total Applied Work Value:	\$ 29291.93	
PAC name	liberty international mineral corp	
Debited PAC amount	\$ 3291.93	
Total Submission Fees	\$ 1859.30	
Total Paid	\$ 1859.27	
Related Summary:	Existing Work Program	
	Event Numbers: 4279455	
Recorded Date	2009/aug/12	
Work Type	Technical Work (T)	
Technical Items	Geological (G), Drilling (TD), PAC Withdrawal (up to 30% of technical work performed	(b
Work Start Date	2009/jan/01	
Work Stop Date	2009/mar/15	
Total Value of Work	\$ 26000.00	

## **APPENDIX 2**

## **CERTIFICATE OF AUTHOR**

#### Brian H. Meyer P.Geol.

730 Alexander Road RR1 Site 5A Comp. 47 Nakusp, British Columbia Canada - V0G 1R0

Tel. 250-265-0243 - meyerbrian@telus.net

#### CERTIFICATE OF AUTHOR

I, Brian H. Meyer, P.Geol., am a Professional Geoscientist of 730 Alexander Road in the Village of Nakusp, in the Province of British Columbia.

I am a member of the Association of Professional Engineers, Geologists and Geophysicists of Alberta.

I graduated from the University of Alberta with a Bachelor of Science degree in Geology in 1979, and I have practiced my profession continuously since 1979.

Since 1979 I have been involved in mineral exploration for gold, silver, copper, zinc, molybdenum, uranium, rare earth metals and sapphires in Canada, USA, Mexico, Chile, Bolivia and Argentina.

As a result of my experience and qualifications, I am a Qualified Person as defined in National Instrument 43-101.

I am presently a Consulting Geologist and have been so since June, 1999.

On February 16 to March 08, 2009, I visited the Silver Lynx property, operated by Liberty International Mineral Corp. located in the Nelson Mining Division, British Columbia, Canada, for the purposes of supervising a diamond drill program on the property.

This report, titled Exploration Diamond Drilling Report of the Silver Lynx Property, Nelson Mining Division - British Columbia, dated January 13, 2010 was prepared by me. My compensation for this report is strictly on a professional fee basis.

The sources of all information not based on personal examination are quoted in the report. The information provided by the various parties is to the best of my knowledge and experience correct.

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

I am independent of Liberty International Mineral Corp. in accordance with the application of Section 1.4 of National Instrument 43-101.

I have had no prior involvement with the Silver Lynx property, which is the subject of this report.

I have read National Instrument 43-101, and this report may not have been prepared in 100% compliance with NI 43-101, as Liberty International Mineral Corp. is not a reporting issuer.

Dated at Nakusp, British Columbia, this 13th day of January, 2010.

Brian H. Meyer - Qualified Person

**APPENDIX 3** 

## STATEMENT OF COSTS

## STATEMENT OF COSTS

Note: This Statement of Costs applies only to the four diamond drill holes that were logged (roughly ½ of total costs with respect to: diamond drilling, and road & drill pad building.

1.	Field Personnel (field prep, core logging, core splitting, RQD) Geologist: B. Meyer - 20 days (Feb 16-Mar 08) @ \$550/day Assistant: J. Denny - 10 days (Feb 10-Mar 01) @ \$300/day Assistant: B. Denny - 10 days (Feb 15-Mar 06) @ \$200/day Geotechnician: R. Verbruggen - 17 days (Feb 12-Mar 06) @ \$	) 11,000 3,000 2,000 \$300/day <u>5,100</u>	
		21,100	\$21,100.
2.	Transportation (truck rental, fuel, insurance) 30 days (Feb 05-Mar 06) @ \$70/day	2,092	2,092.
3.	Geochemistry (Eco Tech Labs) 65 rock analyses and shipping @ \$31/sample Supplies (sample bags, paint, flagging)	2,030 	2,100.
4.	Report Preparation Geologist: 8 days (Dec 27-Jan 11) @ \$400/day Drafting (Wildrock Resources) 6 figures, 5 copies Report supplies and photocopying	3,200 651 <u>30</u> 3,881	3,881.
5.	Road & Drill Pad Building (includes tree falling, snow remova Tree falling: C. Guizzette (BC Fallers Ltd.) - 10 man days @ S Heavy Equipment: (Hlookoff Bulldozing & Excavating) - 62 hrs (Feb 08- Mar 03) @ \$170/hr	<b>al)</b> \$450/day	15,015.
6.	Diamond Drilling (includes mob/demob, core boxes, metres of 1553 metres NQ diam. (Westcore Drilling Ltd.) @ \$95/metre	<b>drilled)</b> 147,886	147,886.
7.	Tools & Supplies (includes rock saw, core racks, + misc.)	3,049	3,049.
8.	Accommodation (Salmo house & shop rental) House & shop: 1 month (Feb 10 to Mar 10) @ \$6000/month Utilities 2 months (Jan 15 to Mar 15) Supplies (mainly groceries)	6,176 624 <u>987</u> 7,787	7,787.
9.	<b>Communications</b> 1 satellite phone & 2 cell phones 1 month (Feb 08-Mar 08)	114	<u>114.</u>

TOTAL

\$203,024.

**APPENDIX 4** 

## **GEOCHEMICAL ANALYTICAL CERTIFICATE & PROCEDURE**

11-Mar-09 Alex Stewart Geochemical ECO TECH LABORATORY LTD. 10041 Dallas Drive KAMLOOPS, B.C. V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 2009-0102

Liberty International Minerals Corp. 567 Lawrence Ave Kelowna, BC V1Y 6L8

Phone: 250-573-5700 Fax : 250-573-4557 Toll Free: 1-877-573-5755

No. of samples received: 65 Sample Type: Drill Core **Project: S.L. Shipment #: 01** Submitted by:Brian Meyer

Values in ppm unless otherwise reported

Et #.	Tag #	Ag Al %	As	Ва	Bi	Ca %	Cd	Со	Cr	Cu	Fe %	La	Mg %	Mn	Мо	Na %	Ni P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	8R240001	<0.2 1.31	55	345	<5	0.74	<1	17	86	26	2.58	10	1.39	492	4	0.08	25 780	2	<5	<20	9	0.23	<10	155	<10	13	78
2	8R240002	<0.2 1.39	40	410	<5	0.97	<1	14	58	27	2.69	20	1.34	590	3	0.08	22 1010	4	<5	<20	9	0.21	<10	85	<10	12	98
3	8R240003	<0.2 1.44	35	450	<5	0.70	<1	14	61	36	2.50	20	1.28	545	4	0.09	17 1000	4	<5	<20	8	0.23	<10	76	<10	13	95
4	8R240004	0.2 1.69	40	755	<5	1.44	<1	20	56	29	2.99	10	1.69	573	2	0.09	19 740	<2	<5	<20	14	0.25	<10	115	<10	11	83
5	8R240005	<0.2 0.70	5	70	<5	0.62	<1	42	144	37	4.03	30	7.55	585	2	0.05	546 1970	<2	<5	<20	20	0.19	<10	59	<10	6	50
6	8R240006	-02 123	90	290	~5	1 28	-1	16	107	q	2 30	~10	1 4 2	430	з	0.07	21 570	-2	~5	~20	15	0 15	~10	101	~10	q	65
7	8R240007	18 1 95	1385	125	~5	0.36	1	77	53	605	~10	~10	1.72	400 654	3	0.07	69 660	6	~5	~20	7	0.10	~10	72	<10	a	00
8	8R240007	<0.2 2.65	850	310	~5	0.30	-1	20	61	21	3 80	10	1.77	518	5	0.00	17 660	-2	~5	~20	46	0.20	~10	76	<10	8	90 95
q	8R240000	<0.2 2.00	90	400	~5	0.00	~1	15	140	20	2.64	~10	1.57	316	2	0.00	42 470	~2	~5	~20	18	0.24	~10	145	<10	7	64
10	8R240000	<0.2 1.00	85	400	<5	0.42	~1	13	132	18	2.04	<10	1.00	327	2	0.07	39 510	~2	<5	<20	12	0.21	<10	136	<10	7	70
10	0112 100 10	30. <u>2</u> 1.00	00	100	~~	0.10		10	102		2.01	110	1.00	021	-	0.01	00 010		-0	-20		0.20	10	100	10	•	
11	8R240011	<0.2 0.96	25	335	<5	0.39	<1	9	114	32	2.03	<10	0.96	263	2	0.05	30 410	4	<5	<20	13	0.12	<10	85	<10	5	59
12	8R240012	0.2 1.86	35	435	<5	0.28	<1	16	103	74	3.77	<10	1.49	279	2	0.07	35 540	<2	<5	<20	10	0.20	<10	174	<10	5	72
13	8R240013	0.5 1.00	40	165	<5	1.85	2	8	46	42	1.77	<10	0.95	566	2	0.08	17 2450	54	<5	<20	17	0.13	<10	82	<10	8	331
14	8R240014	0.6 1.35	140	365	<5	1.46	4	18	91	37	2.62	<10	1.33	656	2	0.07	38 1390	82	<5	<20	13	0.16	<10	124	<10	7	544
15	8R240015	0.6 1.42	145	410	<5	1.17	4	21	83	45	2.73	<10	1.35	654	2	0.08	39 1550	76	<5	<20	12	0.17	<10	125	<10	7	551
16	8R240016	<0.2 0.68	5	60	<5	0.61	<1	41	146	36	3.94	30	7.45	579	2	0.05	539 2040	<2	<5	<20	19	0.21	<10	61	<10	6	51
17	8R240017	0.5 1.81	195	125	<5	0.95	2	10	136	89	2.20	<10	0.84	394	2	0.12	33 380	34	<5	<20	26	0.09	<10	96	<10	3	255
18	8R240018	0.5 0.95	150	115	<5	0.39	<1	9	129	56	2.11	<10	0.86	409	2	0.06	37 320	24	<5	<20	31	0.11	<10	117	<10	3	148
19	8R240019	0.6 1.13	300	80	<5	0.57	4	16	144	51	2.02	<10	0.99	434	2	0.05	40 380	52	<5	<20	58	0.10	<10	112	<10	3	652
20	8R240020	0.5 0.87	180	90	<5	0.59	2	12	121	51	1.92	<10	0.77	381	2	0.05	29 280	36	<5	<20	38	0.08	<10	95	<10	3	249

ECO TECH LABORATORY LTD.

ICP CERTIFICATE OF ANALYSIS AK 2009- 0102

Liberty International Minerals Corp.

Et #.	Tag #	Ag Al %	As	Ва	Bi	Ca %	Cd	Со	Cr	Cu	Fe %	La	Mg %	Mn	Мо	Na %	Ni	Р	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
21	8R240021	1.0 0.86	25	85	<5	0.72	2	9	135	73	1.74	<10	0.64	384	2	0.06	32	340	84	<5	<20	20	0.10	<10	88	<10	3	265
22	8R240022	0.2 1.50	390	160	<5	0.60	<1	17	154	32	2.48	<10	1.06	460	2	0.08	61	450	10	<5	<20	24	0.12	<10	172	<10	4	64
23	8R240023	1.2 1.18	200	185	5	0.39	<1	15	125	55	2.42	<10	0.91	421	2	0.06	36	340	22	<5	<20	36	0.11	<10	120	<10	3	73
24	8R240024	1.0 1.42	195	180	<5	0.54	<1	18	120	100	3.31	<10	1.01	566	4	0.06	31	990	20	<5	<20	22	0.12	<10	90	<10	5	153
25	8R240025	3.3 1.35	235	255	5	0.29	<1	13	135	154	3.46	<10	1.32	572	3	0.05	55	360	368	<5	<20	9	0.15	<10	169	<10	5	119
26	8R240026	0.5 1.51	200	375	<5	0.40	<1	12	124	91	2.97	<10	1.29	540	2	0.06	58	380	10	<5	<20	24	0.14	<10	171	<10	3	61
27	8R240027	0.7 0.29	5	40	<5	0.35	22	<1	75	3	0.37	<10	0.03	170	1	0.06	2	60	242	<5	<20	20	< 0.01	<10	1	<10	4	1049
28	8R240028	< 0.2 0.34	10	30	<5	0.68	<1	<1	59	4	0.47	<10	0.09	164	<1	0.06	3	80	10	<5	<20	10	0.01	<10	6	<10	4	44
29	8R240029	<0.2 0.68	5	65	<5	0.62	<1	43	148	35	4.02	30	7.53	599	2	0.05	556	2050	<2	<5	<20	19	0.20	<10	57	<10	6	52
30	8R240030	1.3 0.91	635	90	<5	0.51	4	10	86	126	2.33	<10	0.99	463	17	0.04	56	440	110	<5	<20	11	0.07	<10	434	<10	5	492
	0.12.00000					0.0.	•						0.00			0.0.					-=-		0.01				Ũ	
31	8R240031	2.6 0.64	560	50	<5	0.78	15	8	92	135	1.93	<10	0.59	457	27	0.03	50	340	490	<5	<20	9	0.04	<10	431	<10	5	2529
32	8R240032	2.0 0.56	545	40	<5	0.60	13	6	73	144	1.92	<10	0.46	375	56	0.04	43	420	260	<5	<20	12	0.03	<10	231	<10	5	2135
33	8R240033	3.1 1.59	1300	40	<5	1.51	27	19	50	195	4.98	10	1.49	1140	7	0.06	17	970	1002	<5	<20	24	0.07	<10	152	<10	10	4256
34	8R240034	2.5 0.80	335	65	<5	0.54	60	. 8	47	89	1.79	<10	0.66	505	9	0.03	17	500	1662	<5	<20	10	0.06	<10	157	<10		9455
35	8R240035	0.8 0.97	425	95	<5	0.63	14	8	60	60	2.87	<10	0.79	502	6	0.04	19	480	210	<5	<20	10	0.09	<10	137	<10	7	1797
	0.12.00000	0.0 0.01				0.00	••	•					011 0	00-	Ũ	0.0.					-=-		0.00				•	
36	8R240036	0.4 1.11	470	170	<5	0.92	12	7	38	39	3.04	<10	0.99	739	4	0.05	10	830	40	<5	<20	16	0.12	<10	111	<10	8	1493
37	8R240037	1.1 0.77	1760	110	<5	0.47	10	8	62	43	2.34	<10	0.69	398	7	0.03	20	340	144	<5	<20	9	0.05	<10	174	<10	6	1477
38	8R240038	1.1 0.76	310	130	<5	1.24	<1	15	62	96	1.96	<10	0.74	629	3	0.09	6	720	12	<5	<20	13	0.10	<10	47	<10	9	110
39	8R240039	1.2 0.80	275	135	<5	1.24	<1	17	57	110	2.04	<10	0.71	621	4	0.08	7	750	14	<5	<20	12	0.10	<10	47	<10	9	102
40	8R240040	27 071	200	105	<5	0.33	2	16	55	326	4 05	<10	0.67	340	6	0.04	21	300	70	<5	<20	6	0.05	<10	83	<10	6	235
	0.12.00.10					0.00	-			0_0			0.01	0.0	Ũ	0.0.		000			-=-	Ũ	0.00				Ũ	
41	8R240041	1.8 0.92	735	105	<5	0.24	5	14	55	82	2.72	<10	1.06	647	4	0.05	12	370	68	<5	<20	7	0.08	<10	92	<10	6	639
42	8R240042	<0.2 0.71	5	65	<5	0.61	<1	40	143	39	4.04	30	7.45	581	1	0.05	542	2050	<2	<5	<20	20	0.21	<10	63	<10	6	51
43	8R240043	1.1 0.91	65	50	<5	1.33	2	16	71	258	4.19	<10	0.97	360	14	0.05	48	610	6	<5	<20	19	0.13	<10	340	<10	8	129
44	8R240044	0.8 1.04	50	50	<5	2.07	<1	15	74	136	3.27	<10	1.14	377	8	0.05	35	1290	6	<5	<20	32	0.10	<10	259	<10	10	43
45	8R240045	0.7 0.92	180	35	<5	1.41	<1	25	70	128	3.50	<10	0.98	294	8	0.07	44	690	4	<5	<20	28	0.12	<10	332	<10	8	42
	011210010	0.0 0.02					••	_0			0.00		0.00		0	0.01			•			_0	0		00-		0	
46	8R240046	0.4 1.05	50	55	<5	1.41	<1	11	64	109	3.58	<10	0.99	234	10	0.06	37	460	4	<5	<20	31	0.12	<10	341	<10	8	31
47	8R240047	0.3 0.83	25	65	<5	1.87	<1	7	37	72	2.38	<10	0.77	185	5	0.05	19	480	2	<5	<20	34	0.09	<10	132	<10	9	24
48	8R240048	0.5 1.19	830	45	<5	1.94	<1	30	51	131	3.92	<10	1.21	255	9	0.05	29	1030	4	<5	<20	39	0.09	<10	221	<10	8	33
49	8R240049	0.5 1.00	85	60	<5	1.51	1	11	49	105	3.22	<10	0.77	179	16	0.04	43	980	4	<5	<20	32	0.09	<10	230	<10	10	94
50	8R240050	<0.2 0.70	5	65	<5	0.63	<1	43	147	36	4.07	30	7.58	587	2	0.05	556	1980	<2	<5	<20	21	0.19	<10	59	<10	6	51
00	0112 10000	<b>1012</b> 0110	Ũ	00	~~	0.00		10		00		00	1.00	001	-	0.00	000	1000	~	-0	-20		0.10		00	10	Ŭ	01
51	8R240051	0.6 1.10	495	50	<5	1.66	1	17	59	99	2.95	<10	0.83	228	16	0.05	46	1160	6	<5	<20	36	0.09	<10	312	<10	9	94
52	8R240052	0.9 1.35	110	35	<5	1.88	<1	18	51	183	3.78	<10	0.99	327	14	0.08	42	580	12	<5	<20	33	0.12	<10	255	<10	8	35
53	8R240053	0.9 1.48	95	35	<5	2.04	<1	19	51	171	3.84	<10	1.16	403	15	0.05	48	650	10	<5	<20	35	0.11	<10	264	<10	8	36
54	8R240054	0.9 0.89	1950	35	<5	1.33	<1	47	84	113	2.77	<10	0.63	423	9	0.05	51	550	26	<5	<20	25	0.09	<10	338	<10	6	79
55	8R240055	1.8 0.90	670	50	<5	1.12	12	10	77	628	2.93	<10	0.76	636	6	0.04	35	1690	578	<5	<20	17	0.07	<10	229	<10	7	2126
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ECO TECH LABORATORY LTD.

ICP CERTIFICATE OF ANALYSIS AK 2009-0102

Liberty International Minerals Corp.

Et #.	Tag #	Ag	AI %	As	Ва	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Мо	Na %	Ni	Р	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
56	8R240056	1.7	0.87	810	55	<5	1.13	10	13	95	466	3.14	<10	0.76	662	7	0.05	41	1900	618	<5	<20	18	0.07	<10	242	<10	8	1831
57	8R240057	0.8	0.95	325	60	<5	1.13	4	8	73	90	2.83	<10	0.82	613	7	0.04	36	1970	248	<5	<20	19	0.07	<10	240	<10	9	600
58	8R240058	1.2	0.98	1435	50	<5	1.35	9	11	86	128	3.36	<10	0.86	648	5	0.05	37	2040	416	<5	<20	20	0.08	<10	237	<10	6	1432
59	8R240059	0.4	1.46	35	85	<5	0.77	7	8	142	49	1.77	<10	0.98	488	2	0.11	36	460	40	<5	<20	25	0.10	<10	65	<10	7	810
60	8R240060	3.2	1.03	40	70	<5	1.69	10	17	135	168	3.36	<10	0.91	746	1	0.04	29	550	448	<5	<20	41	0.09	<10	64	<10	7	1636
61	8R240061	<0.2	0.71	5	60	<5	0.63	<1	43	152	38	4.01	30	7.63	589	2	0.04	550	1990	<2	<5	<20	20	0.20	<10	57	<10	6	54
62	8R240062	1.1	2.15	140	145	<5	0.69	9	18	141	104	3.87	<10	1.80	918	3	0.05	49	540	118	<5	<20	47	0.17	<10	152	<10	8	1498
63	8R240063	1.8	1.65	75	240	<5	0.72	3	16	148	244	2.86	<10	1.45	860	3	0.06	55	580	52	<5	<20	50	0.22	<10	139	<10	8	594
64	8R240064	1.4	1.72	80	245	<5	0.70	4	15	182	192	2.87	<10	1.49	887	3	0.05	50	590	50	<5	<20	41	0.22	<10	140	<10	8	603
65	8R240065	0.9	1.57	85	290	<5	0.35	4	15	156	50	2.51	<10	1.57	796	3	0.04	56	560	94	<5	<20	13	0.24	<10	150	<10	8	830
<u>QC DATA</u> Repeat:	<u>/:</u>																												
1	8R240001	<0.2	1.27	55	350	<5	0.74	<1	18	82	27	2.60	10	1.40	485	4	0.09	25	750	4	<5	<20	9	0.23	<10	155	<10	13	73
10	8R240010	<0.2	1.57	85	400	<5	0.42	<1	13	127	17	2.61	<10	1.59	316	2	0.08	38	490	<2	<5	<20	12	0.20	<10	136	<10	7	65
19	8R240019	0.7	1.05	285	80	<5	0.54	4	15	135	50	1.96	<10	0.97	418	2	0.05	37	350	48	<5	<20	57	0.09	<10	108	<10	3	640
36	8R240036	0.4	1.19	470	165	<5	0.95	12	7	41	40	3.06	<10	1.00	748	4	0.05	10	840	44	<5	<20	15	0.12	<10	113	<10	7	1453
45	8R240045	0.7	0.92	205	35	<5	1.41	<1	26	70	129	3.60	<10	1.01	295	9	0.06	45	700	4	<5	<20	28	0.11	<10	335	<10	7	41
54	8R240054	1.1	0.85	1895	40	<5	1.29	<1	46	81	116	2.78	<10	0.64	411	9	0.05	49	530	26	<5	<20	23	0.08	<10	332	<10	6	80
63	8R240063	1.6	1.68	70	240	<5	0.73	3	17	153	246	2.90	<10	1.47	903	3	0.05	57	620	54	<5	<20	52	0.23	<10	141	<10	8	618
Resplit:																													
1	8R240001	<0.2	1.33	60	340	<5	0.76	1	18	87	30	2.56	10	1.36	504	4	0.07	26	820	4	<5	<20	9	0.23	<10	152	<10	12	83
36	8R240036	0.5	1.20	500	190	<5	0.94	13	8	43	41	3.02	<10	0.99	746	4	0.06	10	790	46	<5	<20	16	0.13	<10	112	<10	7	1501
Standard	:																												
Pb129a		11.9	0.84	10	65	<5	0.50	58	6	9	1399	1.56	<10	0.67	359	3	0.03	5	430	6170	15	<20	23	0.04	<10	16	<10	2	9959
Pb129a		11.8	0.83	15	65	<5	0.48	58	6	9	1400	1.57	<10	0.66	366	3	0.03	6	440	6130	15	<20	24	0.04	<10	15	<10	2 :	>10000

NM/nw df/N102RS XLS/09 ECO TECH LABORATORY LTD. Norman Monteith B.C. Certified Assayer

ECO TEC	) TECH LABORATORY LTD.							ł	СР СІ	ERTIF	ICAT	EOF	ANAL	YSIS A	AK 200	) <del>9</del> - 0 <sup>-</sup>	102					L	ibert	y Interi	natior	nal Mi	nerals	Corp	•
Et #.	Tag #	Ag	<b>AI</b> %	As	Ва	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Мо	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	<u>v</u>	W	Y	Zn
Resplit:																													
1	8R240001	<0.2	1.33	60	340	<5	0.76	1	18	87	30	2.56	10	1.36	504	4	0.07	26	820	4	<5	<20	9	0.23	<10	152	<10	12	83
36	8R240036	0.5	<b>1</b> .20	500	190	<5	0.94	13	8	43	41	3.02	<10	0.99	746	4	0.06	10	790	46	<5	<20	16	0.13	<10	112	<10	7	1501
Standard	:																												
Pb129a		11.9	0.84	10	65	<5	0.50	58	6	9 1	1399	1.56	<10	0.67	359	3	0.03	5	430 (	6170	15	<20	23	0.04	<10	16	<10	2	9959
Pb129a		11.8	0.83	15	65	<5	0.48	58	6	91	1400	1.57	<10	0.66	366	3	0.03	6	440 (	6130	15	<20	24	0.04	<10	15	<10	2 >	>10000

ECO TECH LABORATORY LTD. Norman Monteith B.C. Certified Assayer

NM/nw df/N102RS XLS/09



## Analytical Procedure Assessment Report

Eco Tech Laboratory Ltd. is registered for ISO 9001-2000 by QMI Quality registrars (CDN 52172-01) for the "provision of assay and geochemical analytical services". Eco Tech also Participates in The Canadian Certified Reference Materials Project (CCRMP) testing program annually.

## SAMPLE PREPARATION

Samples are catalogued and logged into the sample-tracking database. During the logging in process, samples are checked for spillage and general sample integrity. It is verified that samples match the sample shipment requisition provided by the clients. The samples are transferred into a drying oven and dried.

Rock samples are crushed on a Terminator jaw crusher to minus 10 mesh ensuring that 70% passes through a Tyler 10 mesh screen.

Every 35 samples a re-split is taken using a riffle splitter to be tested to ensure the homogeneity of the crushed material.

A 250 gram sub sample of the crushed material is pulverized on a ring mill pulverizer ensuring that 95% passes through a 150 mesh screen. The sub sample is rolled, homogenized and bagged in a pre-numbered bag.

A barren gravel blank is prepared after each job in the sample prep to be analyzed for trace contamination along with the actual samples.

#### MULTI-ELEMENT TOTAL DIGETION ICP-AES (BICP-12)

A 0.5 gram sample is weighed into teflon tubes. The sample is digested with nitric acid and hydrochloric acid, then hydrofluoric and perchloric acids. The sample is taken to dryness using a heating block apparatus. The sample is subsequently re-dissolved with 3ml of a 3:1:2 (HCI:HN03:H20) which contains beryllium (acts as an internal standard) and the sample is then diluted to 10ml with water. The sample is analyzed on a Thermo IRIS Intrepid II XSP ICP unit.

Certified reference material is used to check the performance of the machine and to ensure that proper digestion occurred in the wet lab. QC samples are run along with the client samples to ensure no machine drift occurred or instrumentation issues occurred during the run procedure. Repeat samples (every batch of 10 or less) and re-splits (every batch of 35 or less) are also run to ensure proper weighing and digestion occurred.

Results are collated by computer and are printed along with accompanying quality control data (repeats and standards). Results are printed and are emailed, faxed or mailed to the clients.

## **APPENDIX 5**

## DIAMOND DRILL LOGS

Diamono	d Drill Ho	e Record (in me	ters)		Propert	y: SILVER LYN	Х				C	ompany:			
Hole No.:	<u>SL-</u>	)9-12	Bearing:	005° az	Collar Coords:	UTM	5.473.5	25 N	Casing:	4.9 m	Water:	St	art: Fo	eb 18, 2009	
Drill Dept	<b>h:</b> 350	m	Inclination:	-55°			468.4	76 E	Core Dia	neter NO-	-FOH	Fi	nish: Fo	eb 21, 2009	
Samples:	not sa	ampled	Surveys:	Reflex EZ-Shot	Collar Elevation (masl):	148	6		COLC DIG	notor riq.	2011	Lo	ogged by: B	. Meyer	
Surveys:	169m -54.9	<u>° @ 0.9° az; 344m -</u>	-51.3° @ 8.9° az;												
Objective	: This hole	was collared to test	tor possible VMS	5-related sulphides associate	d with VLF-EM conductors	at about 100m dri	I depth,	and at abo	ut 350m dril	l depth.	n (vortion	lly bolow or	nductor) or	d 4 100/ pv	no ot
219-231m	drill denth	A narrow fault doug	ie at 340m may h	be a source of the northern V	F conductor Note: this h	ole was terminat	a nacio	ras this or 2	oiect came	to an abru	nt end di	ie to non n	avment of a	outstanding	-po ai 1
invoices l	by operato	r Liberty Internatio	nal Mineral Cor	p. No samples were prepar	ed for analyses.		, a carry	uo uno pi	ojoot oumo		pt ond at		aymont or t	Jacotanani	2
Depth	n (m)	•		Description		Recovery			Sam	ole		Cu	Zn	Pb	Ag
From	То			Description		Run	%	No.	From	To	Lgth				
0	4.9	Casing													
4.9	17.7	Feldspar Porphyrit scattered medium unoriented, selecti weathering, few fra	tic Diorite: mediu to coarse graine ive epidote altere actures, <b>1% diss</b>	m green, fine to medium grai d white to pinkish feldspar ph d plagioclase in groundmass <b>eminated pyrrhotite.</b>	ned groundmass, nenocrysts (0.2-2.0 cm), s, partial near surface										
17.7	20.3	Crowded Feldspar white plagioclase p 1-2% disseminate 70° tca.	r Porphyry: mediu phenocrysts in fir <b>ed pyrite,</b> locally	um green grey, abundant fine ne grained dioritic groundmas very weakly magnetic, chlori	e to medium grained ss, relatively unaltered, te fractures (10/m) @										
20.3	27.6	Intermediate Tuff: trace-1% dissemi with 10-20 fracture carbonate infills.	medium grey gre inated pyrite, loo es/m @ 10-30° &	een, massive, andesitic locall cally very weakly magnetic, c 40-50° tca, fractures are chl	y weak chlorite altered, ommonly blocky core oritic with quartz-										
27.6	29.5	Andesite Dyke: me aphanitic groundm <b>pyrite dissemina</b> t	edium green, spa nass, blocky, den <b>tions &amp; clusters</b>	arse scattered pink to white p sely fractured @ 10-30° tca v in fractures, weakly magne	lagioclase phenocrysts, with chlorite infills, <b>1%</b> tic.										
29.5	45.5	Quartz Monzonite: fine to medium gra alteration, <b>1% diss</b> chlorite infills.	: light grey to gre ained plagioclase seminated pyrite	en grey, fine to medium grair phenocrysts, patchy chlorite <b>e,</b> 10-20 fractures/m @ 0-30°	ned, parts with crowded & lesser epidote tca, quartz-carbonate &										
45.5	46.6	Felsic Tuff: part m densely fractured	ottled, light greer with chlorite & oc	n & grey, minor light grey bro ccasional quartz infills, <b>trace-</b>	wn, chloritic altered, % disseminated pyrite.										
46.6	112.3	Argillite / Siltstone: pyrrhotite dissen	: medium to dark ninations / string	grey, black, unaltered, <b>comi</b> gers.	nonly 1-2% pyrite-										
		46.6-59.0: mainly (20-40/m) with qua	calcareous siltsto artz-carbonate int	one, bedding 60-70° tca, den fills (hairline to 1 cm).	se cross cutting fractures										
		53.9-55.0: Andesit @ 40° tca, lower in	te Dyke: medium rregular contact.	green, fine grained, unorient	ed, sharp upper contact										
		55.0-63.9: noncald blocky, quartz-carl	careous argillite/s bonate veinlets, l	iltstone, bedding 30-50° tca, ocally with <b>trace sphalerite.</b>	densely fractured,										
		63.9-67.1: soft, de aligned @ 70-90°	nsely fractured & tca.	brecciated, commonly with i	nilled quartzitic clasts										

Hole No.:	: <u>SL-09-12</u>										Pa	ge 2 of 4
Dept	h (m)	Description	Recovery			Sam	ole		Cu	Zn	Pb	Ag
From	Ťo	Description	Run	%	No.	From	То	Lgth				
		67.1-112.3: bedding orientation variable, commonly 10-30° tca, <b>2-4% pyrite-pyrrhotite</b> <b>disseminations / stringers, 1 cm sphalerite stringers</b> @ 111.1, quartz-chlorite veinlets & lesser hairline quartz veinlets (20-30/m) both parallel to & cross cutting bedding.										
112.3	115.2	Andesite Dyke: light to medium green, unoriented, irregular contacts @ about 20° tca, trace-1% disseminated pyrite, weakly magnetic.										
115.2	127.0	Altered Feldspar Porphyry: pale to light brown grey, sparse pink relict k-feldspar phenocrysts (2-4mm), bleached, scattered sericite specks (altered mafics), densely fractured (20-30/m) with quartz, probable pyrolusite infills 40-70° tca, <b>rare local pyrrhotite lenses in fractures.</b>										
127.0	133.9	Argillite/Siltstone: bedding at shallow angles to core axis, <b>1-2% pyrrhotite-pyrite</b> <b>disseminations/stringers</b> , intermediate tuffaceous intervals, irregular andesitic veinlets, <b>irregular sphalerite fracture fills</b> .				127.0 128.0 129.0 130.0	128.0 129.0 130.0 131.0	1.0 1.0 1.0 1.0				
133.9	183.5	Diorite: medium green, mesocratic, variably plagioclase porphyritic (sparse to crowded), fine to medium grained, fine grained intervals, commonly unaltered to intervals with very weak selective chlorite altered, <b>trace-1% pyrite-pyrrhotite disseminations</b> , very weakly magnetic, commonly 5-15 fractures/m (quartz, chlorite), intervals grading to gabbroic composition.										
		162.6-164.0: blocky with thin soft gougy intervals @ 10-40° tca.										
		168.9-170.5: Andesite Dyke: fine grained equivalent of host.										
183.5	188.5	Intermediate Tuff: light to medium green, light brown grey bands near top, few argillite/siltstone interbeds, moderately foliated @ 30-40° tca, bedding 20-30° tca, slightly hornfelsic, densely fractured parallel to foliation, chlorite infills, few brecciated intervals, trace-1% pyrite-pyrrhotite disseminations.										
188.5	197.4	Argillite/Siltstone: medium to dark grey, black, fine to coarse interlayered, variable crenulated bedding from 0-50° tca, <b>trace-2% pyrite disseminations</b> , parts weakly magnetic, bottom hornfelsic-dioritic.										
197.4	210.0	Diorite: medium green, fine to medium grained, commonly unaltered, <b>trace-1% pyrite</b> <b>disseminations</b> , bottom 50 cm contains argillite/siltstone xenoliths & <b>trace sphalerite</b> <b>stringers</b> .										
210.0	212.5	Argillite/Siltstone: greenish grey, partially hornfelsic, patches with diorite, weakly chlorite altered, visible bedding variable & crenulated from 0-30° tca, <b>rare sphalerite stringers</b> (up to 0.5cm).										
212.5	287.4	Argillite/Siltstone: medium to dark grey, black, interceded, unaltered, overall low fracture density (10-20/m).										
		212.5-216.0: bedding 45-55° tca, 1-2% pyrite(-pyrrhotite) disseminations/stringers, rare sphalerite stringer.										

Hole No.	: <u>SL-09-12</u>										Pa	ge 3 of 4
Dept	:h (m)	Description	Recovery			Samp	ble		Cu	Zn	Pb	Ag
From	То	Description	Run	%	No.	From	То	Lgth				
		219.7-226.4: bedding 70-80° tca, <b>5-10% pyrite-pyrrhotite disseminations, stringers</b> & lenses subparallel to bedding.				223.0 224.0	224.0 225.0	1.0 1.0				
		226.4-227.0: Feldspar Porphyry Dyke: light grey green, abundant plagioclase phenocrysts, weak chlorite altered, trace-1% pyrrhotite(-pyrite) disseminations, clusters.										
		227.0-231.0: bedding 65-75° tca, 4-8% pyrite-pyrrhotite disseminations, stringers, lenses.										
		231.0-235.2: bedding 60-80° tca, very minor contorted & variable, 2-4% pyrite- pyrrhotite disseminations, stringers, lenses.										
		235.2-236.9: Augite Porphyry: medium green, scattered augite & plagioclase phenocrysts, fine grained groundmass, trace-2% pyrite disseminations.										
		236.9-252.3: bedding 60-70° tca, <b>commonly 2-4% pyrite-pyrrhotite disseminations</b> , <b>stringers, lenses, very rare sphalerite in fractures</b> at 246.5-247.3.				245.5 246.5	246.5 247.5	1.0 1.0				
		252.3-253.9: Diorite Sill: light green, fine grained, sharp contacts parallel to bedding @ 70° tca.										
		253.9-287.4: bedding variable, parts crenulated @ 40-80° tca, approaching 20° near base, 2-4% pyrrhotite-pyrite disseminations, stringers, lenses.										
287.4	297.3	Quartz Monzonite Sill: light grey, fine to minor grained equigranular, weak selective chlorite altered hornblende, trace disseminated pyrite, sparse fractures, sharp upper contact @ 50° tca.										
297.3	305.8	Argillite/Siltstone: medium to dark grey, black, thin felsic tuff interlayers common, variable bedding from 0-40° tca, 2-4%% pyrite-pyrrhotite disseminations, stringers, fracture fills, rare chalcopyrite in fractures, fractures less than 10/m.										
305.8	309.5	Andesite: light green, fine to medium grained hornblende phenocrysts, fine grained groundmass, weak selective chlorite altered, trace-2% pyrite-pyrrhotite disseminations, few thin felsic intervals.										
309.5	311.0	Felsic Tuff: light grey to grey green, includes argillite/siltstone interbeds & intermediate tuff intervals, bedding 30-45° tca, <b>1-2% pyrite-pyrrhotite disseminations, stringers.</b>										
311.0	322.0	Diorite Sill: medium green brown, scattered fine to coarse grained plagioclase & fine to medium grained augite phenocrysts, fine to medium grained groundmass, unaltered, trace-2% disseminated pyrite-pyrrhotite, irregular sharp contacts @ 30-40° tca.										
322.0	323.0	Felsic Tuff: light grey, bedding 50° tca, unaltered, part broken blocky core, <b>trace-1%</b> disseminated pyrite.										
323.0	324.2	Andesite: light grey green, fine to medium grained hornblende phenocrysts, fine grained groundmass, part densely fractured & brecciated with chlorite altered matrix, quartz-carbonate veinlets 20° tca, <b>trace pyrite-pyrrhotite disseminations</b> .										

Hole No.:	: <u>SL-09-12</u>										Pa	ge 4 of 4
Dept	h (m)	Description	Recovery			Sam	ole		Cu	Zn	Pb	Ag
From	То	Description	Run	%	No.	From	То	Lgth				
324.2	342.5	Diorite: medium grey green, fine to medium grained, parts with plagioclase & augite phenocrysts, <b>trace-1% disseminated pyrite-pyrrhotite</b> , occasional interval of andesite dyke.										
		340.3-340.8: soft, gouge, possibly fault zone @ 65° tca.										
342.5	350.0	Argillite/Siltstone: medium to dark grey, minor black, variable bedding from 40-60° tca, 2-4%% pyrite-pyrrhotite disseminations, & fracture fills.										
		345.1-346.6: Andesite Dyke.										
350.0		END OF HOLE.										

Diamon	d Drill Ho	le Record (in me	ters)		Propert	ty: SILVER LYN	Х				C	ompany:			
Hole No.:	SL-	09-15	Bearing:	038° az	Collar Coords:	UTM	5.473.9	90 N	Casing:	15.2 m	Water:	St	art: F	eb 14, 2009	)
Drill Dept	<b>h:</b> 299	m	Inclination:	-66°			467.5	25 E	Core Diar	notor NO:	15.2m-E	он Fii	nish: F	eb 16, 2009	)
Samples:	2400	66-240114	Surveys:	Reflex EZ-Shot	Collar Elevation (masl):	116	9		Core Diai		13.2III-L	Lo	gged by: B	. Meyer	
Surveys:	146m -65.3	° @ 40.9° az; 293m	-63.1° @ 43.3° a	az											
Objective	: Like hole	16, test for western	extension of Low	ver & Upper Horizons of mas	sive to semi-massive sphal	erite-galena-chalco	opyrite r	nineralizatio	on (approx. 4	450m west	of main s	howing & 50	om NW of h	ole 16).	
Observat	ions: Inters	ected few intervals	of sparse (rare to	trace to 1-3%) sphalerite st	ringers / fracture infills (± ga	alena-chalcopyrite)	commo	only in dense	ely fractured	silicified Fe	elsic Tuff	at:86.5-97.9	9m; 103.1-1	22.3m; 176.	5-
185.9m; 2	21.1-234m	Commonly trace-2	% pyrite-pyrrhoti	te stringers, fracture fills & di	isseminations is throughout	core; arsenopyrite	is spot	ty. Note: No	one of the s	amples we	re analy	sed due to	sudden ter	mination of	r project.
Depti	1 (M) To			Description		Recovery	0/	No	Samp		Lath	Cu	Zn	PD	Ag
From	10	Cooing / overburd	<u></u>			Run	70	NO.	From	10	Lgth				<b> </b>
0	15	Casing / Overbuild													i
15	77 1	Gabbro: medium t	o dark green me		uppriented uppltered to										i
15	77.1	weakly chloritic tra	ace to 1% dissen	ninated pyrrhotite commonly	/ 5-10 fractures/m @ 70°										i
		40° & 10-20° to co	ore axis, compete	ent core with blocky intervals.											i
															1
		23.2-29.4: Andesit	te Porphyry Dyke	e: dark green, very fine graine	ed groundmass,										ſ
		plagioclase pheno	crysts common,	scattered dark phenocrysts,	commonly blocky,										1
		rubbly, dense cros	ss cutting fracture	es.											1
															<b> </b>
		56.0-56.6 & 63.6-6	67.0: Hornblende	Porphyry Dykes.											
		72.0.77.1: Cabbro	bocoming finor	arainad & faliatad @ 40.50°	tea possibly monzonito										
		with tuffaceous int	orlavore	grained & Ioliated @ 40-50	ica, possibly monzonite										i
		with tunaceous int	enayers.												1
77.1	97.9	Felsic to Intermed	iate Tuff: light to	medium arev. liaht arev brov	vn. pale grev. scattered										1
	• • • •	dark grey lapilli, fe	w argillite / siltsto	one clasts, trace to 1% pyrrh	otite-pyrite										i i
		disseminations &	stringers.		13										i
			-												1
		79.1-79.4: <b>1-2% p</b>	yrrhotite-sphale	erite(-galena) stringers 35-5	55° tca in hornfelsic &			240066	79.1	80.1	1.0				1
		weak to moderate	silicified rock.												1
			P. 1 4		1. 6			0.400.07		00.0	1.0				1
		86.5-97.9: Pale to	light grey/grey bi	rown patches, pervasive wea	ak to moderate silica			240067	89.0	90.0	1.0				i i
		includes 89 3-91 1	with 1-3% spha	Jorite-pyrrhotite(-galena) s	tringers common @ 30-			240068	90.0	91.0	1.0				i i
		40° tca natches w	ith quartz blasts	or blebs				"B"070	31.0	32.0	1.0				1
								2 0.0							
		97.3-97.5: 1-3% s	phalerite-pyrrho	otite(-galena) stringers corr	nmon.			240071	95.9	96.9	1.0				l I
								240072	96.9	97.9	1.0				
97.9	99.0	Augite Porphyry S	ill: medium to da	rk green, fine grained dark a	ugite phenocrysts, very										1
		fine grained groun	dmass, sharp co	ntact @ 40° tca.											1
	100.0	<b>E 1 1 4 4 4</b>	P.1.4					0.40070		100.0	1.0				1
99.0	100.3	Feisic Tuff: pale to	silica altoration	h grey, densely fractured, pa	nt brecclated, pervasive			240073 "D"074	99.0	100.3	1.3				i i
		nvrite(+snhalerite	silica alteration,	bedding @ 40-50 ica, 1-276	pymone-			D 074	55.0	100.5	1.5				1
		pyric(±spilaierit	c) stringers.												1
100.3	103.1	Augite Porphyry: b	oottom 0.7m gabb	bro, sharp contact @ 40° tca			1								
			<b>J</b>												1
															i
															1
															1
															i i
															i i
															i i
															1
															1

Hole No.:	SL-09-15										Pag	ge 2 of 4
Dept	h (m)	Description	Recovery			Samp	ole		Cu	Zn	Pb	Ag
From	То	Description	Run	%	No.	From	То	Lgth				
103.1	122.3	Felsic Tuff: pale to light grey, & pinkish brown, banded @ 30-50° tca, minor dark to black argillite / siltstone Interbeds, commonly moderate pervasive silica altered with quartz blasts / eyes common, <b>1-2% pyrite-pyrrhotite stringers &amp; disseminations</b> , <b>trace brown sphalerite stringers</b> , <b>trace disseminated arsenopyrite</b> , competent core, 10-20 fractures/m, quartz-carbonate hairline fractures @ 10-50° tca near bottom.			240075 240076 240077 240078 240080 240081 240082 "B"083 240084 240085 240086 "D"087 240088 240090 240091 240092 240093 240094	103.1 104.1 105.1 106.1 107.1 108.1 109.1 110.1 111.1 113.1 113.1 113.1 114.1 115.1 116.1 119.2 120.2 121.2	104.1 105.1 106.1 107.1 108.1 110.1 111.1 112.1 114.1 114.1 114.1 115.1 116.1 117.1 120.2 121.2 122.3	1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0				
		117.5-117.9: Feldspar Porphyry: light grey, fine to medium grained crowded										
		phenocrysts in very fine grained groundmass, foliated @ 60-70° tca, 1-2% pyrite- pyrrhotite disseminations.										
		118.0-118.5: Augite Porphyry.										
122.3	140.3	Feldspar Porphyry: light to medium grey, dacitic, crowded fine to medium grained plagioclase phenocrysts, very fine grained groundmass, weak chlorite altered phenocrysts, intervals with weak foliation @ 60-65° tca, <b>trace disseminated pyrite</b> .										
140.3	149.1	Argillite / Siltstone: medium to dark brown grey, grey, black, few Felsic tuff interlayers, bedding @ 50-60° tca, patchy pervasive silica alteration, <b>1-2% pyrrhotite-pyrite disseminations / stringers, rare chalcopyrite</b> in cross cutting fractures.										
149.1	158.3	Felsic Tuff: pale to light grey to brown grey, decreasing pervasive silica alteration to few weak patches, bedding/foliation @55-60° tca, 20-30 fractures/m, <b>1-2% pyrite-</b> pyrrhotite(-sphalerite) stringers.										
		156.9-157.8: Augite Porphyry.										
158.3	164.0	Argillite / Siltstone: dark grey to black, fine to coarse interlayers, bedding @ 55-60° tca, cross cutting quartz-carbonate fractures @ 70° tca, trace-2% pyrrhotite-pyrite disseminations / stringers, very rare chalcopyrite & sphalerite in fractures, occasional felsic tuff interlayer.										
164.0	172.9	Felsic Tuff: pale to light grey to brown grey, few argillite / siltstone interbeds & clasts, commonly weak to moderate pervasive silica alteration, quartz blasts, 20-30 fractures/m @ 40-70° tca, bedding @ 30-50° tca, trace-1% pyrite-pyrrhotite stringers / disseminations.										
172.9	176.5	Argillite / Siltstone: dark grey to black, bedding @ 35-55° tca, cross bedding, 1% pyrrhotite-pyrite disseminations / stringers, very rare chalcopyrite & sphalerite in fractures, occasional felsic tuff interval.										

Hole No.	SL-09-15										Pag	ge 3 of 4
Dept	h (m)	Departmen	Recovery			Samp	ole		Cu	Zn	Pb	Ag
From	То	Description	Run	%	No.	From	То	Lgth				
		174.1-174.3: Intermediate Lapilli Tuff: fine to medium grained hornblende & plagioclase lapilli, very fine grained groundmass, strong foliation @ 50° tca.										
176.5	185.9	Felsic Tuff: pale to light grey to brown grey, banded, few argillite / siltstone interbeds, bedding 55-60° tca, commonly weak to moderate pervasive silica alteration, quartz blasts, fractured, hairline cross cutting quartz-carbonate fractures, <b>1-2% pyrrhotite- pyrite stringers / disseminations.</b>			240095 240096 "B"097 240098 240099 240100 "D"101	178.3 179.3 180.3 181.3 182.3 182.3	179.3 180.3 181.3 182.3 183.3 183.2	1.0 1.0 1.0 1.0 1.0 0.9				
185.9	191.6	Feldspar Porphyry: light grey brown, to bleached white, relict fine grained pink k-feldspar & white plagioclase phenocrysts, densely fractured with quartz veinlets (20-30 fractures/m), no sulphides, sharp contacts @ 70-75° tca.										
191.6	193.9	Felsic Tuff: pale to light grey to grey brown, pervasive silica alteration.										
193.9	196.9	Intermediate Dyke: medium green to brown green, very fine grained equigranular, unaltered, trace-2% pyrrhotite-pyrite disseminations & occasional bleb, stringers.										
196.9	199.8	Felsic Tuff: pale to light grey to grey brown, banded, commonly moderate pervasive silica alteration, quartz blebs, densely fractured, 1-2% pyrrhotite-pyrite disseminations / stringers, trace sphalerite stringers, trace arsenopyrite disseminations.			240102 240103 240104	197.0 198.0 199.0	198.0 199.0 199.8	1.0 1.0 0.8				
199.8	202.3	Argillite / Siltstone: dark grey to black, interlayered bedding @ 45-55° tca, 1-2% pyrrhotite-pyrite disseminations / stringers.										
202.3	212.0	Felsic Tuff: pale to light grey to grey brown, banded, black argillite/siltstone intervals, bedding 55-60° tca, <b>trace-2% pyrrhotite-pyrite disseminations / stringers</b> subparallel to bedding.										
212.0	221.1	Argillite / Siltstone: dark grey to black, brownish silicified fractures, felsic tuff intervals common, trace-2% pyrrhotite-pyrite disseminations / stringers.										
221.1	234.5	Felsic Tuff: pale to light grey to brown, few thin argillite/siltstone interbeds, bedding 50- 60° tca, patches weak to moderate pervasive silica altered, part densely fractured, trace-2% pyrrhotite-pyrite disseminations / stringers, trace sphalerite-galena in fractures from 225-228; contorted bedding 0-20° tca @ 222.3-223.1.			240105 240106 240107 240108 "D"109	225.0 226.0 227.0 228.0 228.0	226.0 227.0 228.0 229.0 229.0	1.0 1.0 1.0 1.0 1.0				
234.5	242.0	Argillite / Siltstone: medium to dark grey, black, thin Interbeds & laminations, few thin felsic tuff intervals, bedding 50-55° tca, 20-30 fractures/m with quartz-carbonate infills, <b>1-2% pyrrhotite-pyrite disseminations / stringers.</b>										
242.0	256.2	Felsic Tuff: pale to light grey to grey brown, thin banded, few black argillite/siltstone intervals, patches moderate pervasive silica alteration, parts with quartz blasts, <b>trace-2% pyrrhotite-pyrite disseminations / stringers,</b> 10-20 quartz-carbonate veinlets / m, cross cutting stringers 50° tca.										
		245.5-247.0: Intermediate Lapilli Tuff.										
		248.0-248.2: Fault Gouge / Breccia: 40° tca,										
		252.7-253.9: Argillite / Siltstone.										

Hole No.	SL-09-15		Recovery									ge 4 of 4
Dept	h (m)	Description	Recovery	1		Samp	le		Cu	Zn	Pb	Ag
From	То	Description	Run	%	No.	From	То	Lgth				
		254.0-256.0: trace sphalerite-galena-arsenopyrite fracture fills, disseminations.			240110 240111 "B"112	254.0 255.0	255.0 256.0	1.0 1.0				
256.2	269.6	Argillite / Siltstone: medium to dark grey, black, fine to coarse interlayered, few pinkish brown felsic tuff intervals, bedding 50-60° tca, 10-20 fractures/m with hairline quartz-carbonate infills subparallel to bedding, <b>1-2% pyrrhotite-pyrite disseminations /</b> stringers.										
269.6	295.2	Felsic Tuff: pale to light grey to brown, thin banded, few thin argillite/siltstone interbeds, bedding 35-50° tca, patches weak to moderate pervasive silica alteration, few intervals with quartz blasts, <b>trace-2% pyrrhotite-pyrite disseminations / stringers.</b>										
		271.1-271.7: trace-1% sphalerite-galena fracture fills.										
		278.8-279.1: Intermediate Tuff: medium green, foliation 40° tca.										
		279.3-280.1: Intermediate Tuff: 1% disseminated pyrrhotite.										
		282.6-285.2: Intermediate Tuff: sharp contact @ 45° tca.										
		285.2-285.7: trace sphalerite(-galena) fracture fills subparallel to banding.			240113 240114	285.2 286.2	286.2 287.2	1.0 1.0				
		288.0-289.3: Intermediate Tuff.										
		291.0-294.3: Felsic Tuff: light to medium green, crowded fine grained plagioclase crystals, possibly lapilli tuff.										
295.2	298.9	Argillite / Siltstone: medium to dark grey, black, fine to coarse interlayers, bedding 50° tca, trace-2% pyrrhotite-pyrite disseminations / stringers.										
298.9		END OF HOLE.										

Diamon	d Drill Ho	le Record (in me	ters)		Propert	ty: SILVER LYN	IX				C	ompany:			
Hole No.:	SL-	09-16	Bearing:	38° az	Collar Coords:	UTM	5.473.8	318 N	Casing:	6.7 m	Water:	St	art: F	eb 03, 2009	j.
Drill Dept	<b>h:</b> 455	m	Inclination:	-50°			467.4	148 E	Core Diar	notor NO:	6 7-EOH	, Fi	nish: F	eb 09, 2009	,
Samples:	2400	01-240065 (65)	Surveys:	Reflex EZ-Shot	Collar Elevation (masl):	: 118	2		COLE DIAL		0.7-201	Lo	ogged by: B	3. Meyer	
Surveys:	94m -49.6°	@ 41° az; 194m -4	6.3° @ 43.4° az;	295m -42.8° @ 46° az; 395r	n -44° (no az, high magneti	ics); 449m -37.4° (	2 47.5°	az							
Objective	: Test for w	estern extension of	Lower & Upper I	Horizons of massive to semi-	massive sphalerite-galena-	chalcopyrite miner	alizatior	n (approx. 4	50m west of	main show	ing).				
Observat	ions: Inters	sected few intervals	of sparse (rare to	o trace) sphalerite stringers /	fracture infills (± galena-cha	alcopyrite) commo	nly in de	ensely fractu	ared silicified	Felsic Tuff	at: 116-1	18m; 191-	193m; 272-3	328m; 336-3	65m;
410-4230	i. ⊓ignest g	rade intercept is 4.5	111 (290.5-295.0)	@ 3633ppm zinc, which inclu	udes 1.0m @ 9455ppm. Ele	Pacovoru	u lo a le	esser extern	Ag also con	Intoniy reco	ord eleval		n the same	Intervals.	٨٩
Erom	Te			Description		Dum	0/	Na	Gamp	Te	I orth	Cu	211	FD.	Ay
FIOIII	10	0				Kuli	70	NO.	FIOII	10	Lgin			<b> </b>	
0	6.7	Casing													
6.7	83.9	Gabbro: dark gree	n medium arain	ed equigranular unoriented	pyroxene brown biotite			240005	11.0	12.0	10	37	50	<u> </u>	-
0.7	00.0	bluish plagioclase	: weak to strong	chlorite altered fractures 20-4	40° to core axis. locally			240016	17.0	18.0	1.0	36	51	-	-
		subparallel to core	axis, trace-2%	pyrite-pyrrhotite dissemination	ns, weakly magnetic			240029	18.0	19.0	1.0	35	52	-	-
		(disseminated ma	gnetite), commor	nly competent core with few s	short blocky intervals,			240042	19.0	20.0	1.0	39	51	-	-
		soft blocky gougy	core at 76.5-77.0	) (part 2-5% pyrrhotite-pyrit	te), 77.7-77.95 at 60° to			240050	21.0	22.0	1.0	36	51	-	-
		Noto: all camples	3m snows chilled	a margin, intrudes quartz mor	12011te.			240061	22.0	23.0	1.0	38	54	-	-
		Note. all samples		are blanks inserted for hor				240070	20.0	27.0	1.0				
								240097	28.0	29.0	1.0				
								240112	29.0	30.0	1.0				
								240126	30.0	31.0	1.0				
								240140	31.0	32.0	1.0				
		40 5 50 0; fow thir	Andonito dukon	2 10 cm wide at 60 70° to ac	ro ovia, dark groop			240148	32.0	33.0	1.0			<u> </u>	
		brown, sparse sca	attered biotite phe	enocrysts in aphanitic ground	mass.										
		, -p													
		60.3-60.9 & 62.3-6	63.0: Hornblende	Porphyry dykes; medium gra	ained dark hornblende &										
		brown biotite pher	nocrysts in fine gi	ained pale grey groundmass	s, trace disseminated										
		pyrite, chilled mar	gins with contact	s at 40-50° to core axis.											
		77.4-77.45: tr-2%	pyrrhotite-pyrite	disseminations + few (tr-1%)	scattered chalcopyrite										
		clusters up to 0.5	cm.												
		•													
		78.0-78.2: Andesi	te dyke at 50° to	core axis.											
		79 2 70 6: Horphi	ando Pornhyry					1						<u> </u>	
		70.2-73.0. 1101100	ende i orpriyry.												
83.9	104.9	Quartz Monzonite	: light to medium	grey, medium grained, equip	granular, few hornblende			1							
		phenocrysts, unor	iented, unaltered	, tr-1% disseminated pyrite,	weakly magnetic,										
		commonly < 10 fra	actures/m at 20-4	0° to core axis, quartz veinle	ts 2-5mm width, partially										
		vuggy, botryoidal.													
104.9	108.5	Araillite / Siltstone	: light to dark gre	v. locally brown grey, fine to	coarse interlavered										
		bedding, scattered	d tuff intervals, be	edding & fractures 50-70° to o	core axis, commonly										
		unaltered, hornfels	sic & weak perva	sive silica altered, trace quar	tz veinlets, tr-1% pyrite-										
		pyrrhotite dissen	ninations and fr	acture fills, very weakly mag	gnetic.										
		106.0.106.15: 0	ortz voin 1% nur	rhotito_nyrito(_chalconyrita	habe 70° to core evic									<del> </del>	
		100.0-100.13. QU		mome-pyme(-chaicopyme											
108.5	110.7	Felsic Tuff: pale to	o light grey, pinkis	sh brown, scattered lapilli, ba	nding 60° to core axis.		1								
							1								

Hole No.:	: <u>SL-09-16</u>										Pa	je 2 of 5
Dept	h (m)	Description	Recovery			Samp	ole		Cu	Zn	Pb	Ag
From	То	Description	Run	%	No.	From	То	Lgth				1
110.7	116.0	Argillite / Siltstone: light to dark grey, locally brown grey, fine to coarse interlayered bedding, bedding & fractures 50-70° to core axis, commonly unaltered, trace quartz veinlets, <b>tr-1% pyrite-pyrrhotite disseminations and fracture fills</b> , very weakly magnetic.										
116.0	118.8	Felsic Tuff: pale to light grey, pinkish brown, patchy & irregular banded silicic altered, tr- 1% pyrrhotite-pyrite(+sphalerite?)			240001 240002 240003	116.0 117.0 118.0	117.0 118.0 119.0	1.0 1.0 1.0	26 27 36	78 98 95	2 4 4	- - -
118.8	137.9	Argillite / Siltstone: light to dark grey, locally brown grey, fine to coarse interlayered bedding, bedding 50-70° to core axis, commonly unaltered, trace quartz veinlets, tr-1% pyrite-pyrrhotite disseminations and fracture fills, very weakly magnetic.										
		125.9-126.3: Intermediate Tuff: greenish, few scattered white lapilli.										
137.9	140.1	Felsic Tuff: bleached silicified patches, banding at 70° to core axis, densely fracture subparallel to & cross-cutting banding at 30-40° to core axis, <b>tr-2% pyrite-pyrrhotite</b> stringers, disseminations, possibly sphalerite (black lenses).			240004 240006	137.9 138.9	138.9 140.1	1.0 1.2	29 9	83 65	-	0.2
140.1	143.7	Gabbro: dark green, medium grained, equigranular, trace-2% pyrite-pyrrhotite disseminations, weakly magnetic.			240007 240008	165.0 165.3	165.3 165.8	0.3 0.5	605 21	98 95	6 -	1.8
143.7	170.4	Argillite / Siltstone: light to dark grey, black, trace quartz veinlets, tr-1% pyrite- pyrhotite disseminations and fracture fills, very weakly magnetic, cut by numerous Gabbro & Augite Porphyry sills at: 146.1-148.4, 153.0-153.7, 155.0-155.7, 162.1-164.0.										
		165.0-165.3: irregular massive pyrrhotite(-pyrite) veinlets 0.3-1.0cm at 40° to core axis, + common hairline pyrrhotite-pyrite stringers at 60-70° to core axis.										
170.4	172.3	Felsic Tuff: patchy pervasive silicification, dense (>30/m) hairline quartz stringers cross- cutting at 60-70° & 40° to core axis.			240009 240010	171.1 171.1	172.1 172.1	1.0 1.0	20 18	64 70	-	-
172.3	191.6	Argillite / Siltstone: light to dark grey, bedding 50-70° to core axis, black, trace quartz veinlets, tr-1% pyrite-pyrrhotite disseminations and fracture fills, very weakly magnetic.										
		173.0-173.5: Gabbro: chilled margins, contacts at 70° to core axis.										
		176.0-177.2: Intermediate Tuff: light green.										
191.6	192.6	Felsic Porphyry: slightly bleached patches & weakly pervasive-patchy silicification with <b>black stringers (30/m) of pyrite(-pyrrhotite) + possibly sphalerite</b> at 70-80° to core axis.			240011	191.6	192.6	1.0	32	59	4	-
192.6	207.1	Argillite / Siltstone: light to dark grey, black, bedding 50-70° to core axis, trace quartz veinlets, <b>tr-1% pyrite-pyrrhotite disseminations and fracture fills,</b> very weakly magnetic.										
		192.6-193.6: black stringers (15/m) of pyrite(-pyrrhotite) + possibly sphalerite.			240012	192.6	193.6	1.0	74	72	-	-
		197.1-198.0: Feldspar Porphyry Sill(?): light green, pervasive weak to moderate chlorite alteration, 10cm quartz vein at base.										

Hole No.	: <u>SL-09-16</u>										Pa	ge 3 of 5
Dept	th (m)	Description	Recovery			Sam	ole		Cu	Zn	Pb	Ag
From	То	Description	Run	%	No.	From	То	Lgth				
207.1	209.2	Felsic Tuff: bleached, patchy pervasive silicification, densely fractured, parts brecciated, occasional cross bedding, few quartz-carbonate veinlets, dark green stringers common.			240013 240014 240015	207.1 207.9 207.9	207.9 209.2 209.2	0.8 1.3 1.3	42 37 45	331 544 551	54 82 76	0.5 0.6 0.6
209.2	220.2	Argillite / Siltstone: light to dark grey, black, bedding 50-70° to core axis, trace quartz veinlets, tr-1% pyrite-pyrrhotite disseminations and fracture fills, very weakly magnetic.										
		210.1-211.0: Gabbro: epidote altered, part brecciated with quartz-carbonate matrix.										
		213.5-215.0: Gabbro: epidote altered.										
		218.3-218.8: epidote-silica altered Argillite(?).										
220.2	225.1	Felsic Tuff: banding at 65-75° to core axis, weak to moderate pervasive silicification, dense cross-cutting fractures at 70 & 40° to core axis, hairline quartz veinlets common, tr-1% pyrite-pyrrhotite disseminations and fracture fills.			240017 240018 240019 240020 240021	220.2 221.2 222.2 223.2 224.2	221.2 222.2 223.2 224.2 225.1	1.0 1.0 1.0 1.0 0.9	89 56 51 51 73	255 148 652 249 265	34 24 52 36 84	0.5 0.5 0.6 0.5 1.0
225.1	226.5	Argillite / Siltstone.										
226.5	232.1	Augite Porphyry: augite phenocrysts 2-4mm, epidote altered plagioclase phenocrysts 0.2-1.5cm, fine grained medium grey groundmass, unoriented, <b>1-2% disseminated pyrite</b> , very weakly magnetic.										
232.1	237.9	Felsic Tuff: brownish, weak to moderate pervasive silicification, hairline quartz stringers (20-30/m) at 40-70° to core axis, tr-2% pyrite(-pyrrhotite) disseminations & stringers.			240022 240023 240024 240025 240026	232.1 233.1 234.1 235.1 236.1	233.1 234.1 235.1 236.1 237.1	1.0 1.0 1.0 1.0 1.0	32 55 100 154 91	64 73 153 119 61	10 22 20 368 10	0.2 1.2 1.0 3.3 0.5
237.9	250.3	Feldspar Porphyry: crowded plagioclase phenocrysts (1-5mm), part weakly epidote altered, medium grey fine grained dioritic groundmass, <b>tr-1% pyrite disseminations</b> , very weakly magnetic.										
250.3	272.3	Argillite / Siltstone: light to dark grey, black, bedding 50-70° to core axis, trace quartz veinlets, <b>tr-1% pyrite-pyrrhotite disseminations and fracture fills</b> , very weakly magnetic.										
		256.8-263.7: contorted crenulated bedding, part subparallel to core axis, few thin calcite veinlets at 50-80° to core axis cross-cutting bedding, <b>possible hinge zone of fold</b> .										
		258.5-259.4: Gabbro: blocky to crumbly, slickenside at 35-65° to core axis.										
		263.7-272.3: bedding 50-65° to core axis, tr-2% pyrite-pyrrhotite disseminations / stringers.										
272.3	279.0	Altered Feldspar Porphyry: white, light brown grey, scattered relict pink feldspar phenocrysts 1-4mm, very fine grained quartz-feldspar groundmass, weak pervasive silicification, scattered bleached sericite grains, dense cross-cutting hairline quartz fracture fills (30-40/m), at 40-70° to core axis, rare quartz veinlet at 20° to core axis with <b>pyrite-pyrrhotite-sphalerite clusters</b> , sharp contacts at 80-90° to core axis.			240027 240028	277.0 278.0	278.0 279.0	1.0 1.0	3 4	1049 44	-	0.7

Hole No.:	SL-09-16										Pag	ge 4 of 5
Dept	h (m)	Description	Recovery			Samp	le		Cu	Zn	Pb	Ag
From	То	Description	Run	%	No.	From	То	Lgth				
279.0	283.2	Argillite / Siltstone: medium to dark grey, fine to coarse interlayered, bedding at 60-70° to core axis, few pale grey to light brown tuff bands, locally micro-brecciated along some fractures, <b>1-2% pyrrhotite(-pyrite) stringers</b> along bedding planes & fracture fills subparallel to bedding + <b>trace brown sphalerite &amp; rare chalcopyrite</b> .			240030 240031 240032	279.0 280.0 281.0	280.0 281.0 282.0	1.0 1.0 1.0	126 135 144	492 2529 2135	110 490 260	1.3 2.6 2.0
283.2	294.2	Felsic Tuff: pale to light green to grey, pinkish brown, few argillite / siltstone Interbeds, bleached weakly silicified patches, <b>tr-1% pyrrhotite(-pyrite) disseminations, stringers and clusters, sparse brown sphalerite(-galena) stringers</b> (<3mm) subparallel to bedding, densely fractured, quartz & dark grey infills at 70-80° & 35° to core axis.			240033 240034 240035 240036 240037	290.5 291.0 292.0 293.0 294.0	291.0 292.0 293.0 294.0 295.0	0.5 1.0 1.0 1.0 1.0	195 89 60 39 43	4256 9455 1797 1493 1477	1002 1662 210 40 144	3.1 2.5 0.8 0.4 1.1
		382.3-287.0: irregular contorted bedding at 0-70° to core axis, <b>possible fold hinge.</b>										
		288.7-290.5: Feldspar Porphyry, white plagioclase phenocrysts (1-3mm), light green groundmass.										
294.2	299.2	Argillite / Siltstone: medium to dark grey, very thin to thin bedded at 60-70° to core axis, few tuffaceous intervals, <b>1-2% pyrite-pyrrhotite disseminations &amp; stringers</b> subparallel to bedding, sparse quartz-carbonate veinlets, <b>± pyrite, trace sphalerite.</b>										
299.2	317.2	Felsic Tuff: pale grey to light pink brown, few thin siltstone / argillite intervals, & occasional mafic sill, bedding 60-70° to core axis, patchy bleached & weak to strong pervasive silicified intervals associated with dense fractures, locally brecciated, <b>tr-2% pyrrhotite-pyrite disseminations, stringers, local traces sphalerite-galena</b> in fractures, commonly dense fractures 30-40/m parallel to bedding and minor cross-cutting at 40-70° to core axis.			240038 240039 240040 240041	308.7 308.7 309.7 310.7	309.7 309.7 310.7 311.7	1.0 1.0 1.0 1.0	96 110 326 82	110 102 235 639	12 14 70 68	1.1 1.2 2.7 1.8
317.2	321.3	Gabbro: medium to dark grey green, very fine grained, equigranular.										
321.3	328.7	Felsic Tuff: pale green grey to light pink brown, few siltstone / argillite intervals, partially bleached & patchy weak to moderate pervasive silicification, densely fractured (30-80/m) with <b>1-3% pyrite(-pyrrhotite)+ traces sphalerite-chalcopyrite,</b> fractures parallel to bedding at 30-60° to core axis.			240043 240044 240045	325.5 327.0 328.0	326.7 328.0 329.1	1.2 1.0 1.1	258 136 128	129 43 42	6 6 4	1.1 0.8 0.7
		321.3-326.6: bedding contorted & crenulated.										
328.7	336.5	Argillite / Siltstone: medium to dark grey, black, tr-2% pyrite-pyrrhotite disseminations & stringers, intervals of blocky core.										
		331-335: contorted bedding 0-50° to core axis, possible fold hinge.										
336.5	365.4	Felsic Tuff: pale to light grey, pink brown, few siltstone / argillite intervals, bleached & weak pervasive silicified patches, tr-2% pyrite(-pyrrhotite) disseminations & stringers, rare chalcopyrite-galena-arsenopyrite-sphalerite infills, densely fractured with tectonic brecciated zones, quartz-carbonate fracture fills and occasionally as breccia matrix, also blackish fracture fills common, bedding variable at 30-70° to core axis			240046 240047 240048 240049 240051	342.7 343.7 344.7 345.7 346.7	343.7 344.7 345.7 346.7 348.1	1.0 1.0 1.0 1.0 1.4	109 72 131 105 99	31 24 33 94 94	4 2 4 4 6	0.4 0.3 0.5 0.5 0.6
					240052 240053 240054	354.1 355.1 356.1	355.1 356.1 357.1	1.0 1.0 1.0	183 171 113	35 36 79	12 10 26	0.9 0.9 0.9
					240055 240056 240057 240058	360.0 360.0 361.0 362.0	361.0 361.0 362.0 363.0	1.0 1.0 1.0 1.0	628 466 90 128	2126 1831 600 1432	578 618 248 416	1.8 1.7 0.8 1.2

Hole No.	: <u>SL-09-16</u>										Pa	ge 5 of 5
Dept	th (m)	Description	Recovery	y		Samp	le		Cu	Zn	Pb	Ag
From	То	Description	Run	%	No.	From	То	Lgth				1
365.4	373.5	Argillite / Siltstone: medium to dark grey, black, occasional Felsic tuff bands, bedding 40-70° to core axis, dense fractures (20-30/m), quartz-carbonate infills, <b>tr-2% pyrite-</b> <b>pyrrhotite disseminations &amp; stringers.</b>										
373.5	387.9	Felsic Tuff: pale to light grey, pink brown, siltstone / argillite beds common, bedding 50- 70° to core axis, densely fractured to brecciated with quartz-carbonate matrix, also light to medium grey fine grained matrix is possibly gabbro, patchy weak pervasive silicification, <b>tr-2% pyrite-pyrrhotite disseminations &amp; stringers.</b>										
387.9	412.6	Gabbro: medium to dark green, fine to medium grained, hornblende-pyroxene phenocrysts, occasional thin monzonite dike, competent core with few fractures.										
		387.9-390.7: breccia with Felsic Tuff & Argillite / Siltstone clasts.										
412.6	423.1	Tuff: light to medium grey brown, patches pale to light grey to green grey, possibly intermediate and Felsic tuff, bedding60-70° to core axis, <b>1-2% pyrrhotite-pyrite disseminations / stringers.</b>										
		416-423.1: intervals of pale to light grey pervasive silicification with quartz clasts to 1cm, 1-3% pyrrhotite-pyrite(-sphalerite) stringers & disseminations, 10-25 fractures/m.			240059	416.0	417.0	1.0	49	810	40	0.4
					240060	419.3	420.3	1.0	168	1636	448	3.2
					240062	420.3	421.3	1.0	104	1498	118	1.1
					240063	421.3	422.3	1.0	244	594	52	1.8
					240064	421.3	422.3	1.0	192	603	50	1.4
100.1	105.1				240065	422.3	423.1	0.8	50	830	94	0.9
423.1	425.1	Gabbro: medium grey green, fine to medium grained, unaltered, tr-1% disseminated pyrrhotite-pyrite.										
425.1	455.0	Tuff: light to medium grey brown, grey green, appears intermediate, few intervals with scattered lapilli, thin banding, bedding at 65-75° to core axis, commonly unaltered, tr-1% disseminated and occasional stringers pyrrhotite(-pyrite).										
455.0		END OF HOLE.										

Diamon	d Drill Ho	le Record (in me	ters)		Proper	ty: SILVER LYN	X				C	Company:			
Hole No.:	SL-	09-17	Bearing:	47° az	Collar Coords:	UTM	5.473.8	318 N	Casing:	6.1 m	Water	St	art:	Feb 09, 20	009
Drill Dept	th: 449	m	Inclination:	-50°			467.4	48 E	Core Dia		. C 1 m F	ou Fi	nish:	Feb 13, 20	009
Samples:		Survey: 49.3° @ 50.3° az: 443 m -42.7° @		Reflex EZ-Shot	Collar Elevation (masl)	: 118	2		Core Dia	meter NQ	0.1 m-E		ogged by:	B. Meyer	-
Surveys:	218 m -49.	3° @ 50.3° az; 443 ı	m -42.7° @ 53.7°	° az; m -° @ ° az; m -° ° az; m	ו -° @ ° az										
Objective	: Like hole	ke hole 16, test for western extension of L		ver & Upper Horizons of mass	sive to semi-massive spha	lerite-galena-chalc	opyrite r	mineralizati	on (same co	llar as hole	16; 40 N	E of 16 at E	OH).		
Observat	servations: Intersected few intervals		of sparse (rare to	trace to 1-2%) sphalerite str	ingers / fracture infills (± g	alena-chalcopyrite)	commo	only in dens	ely fractured	d silicified F	elsic Tuff	and occasi	onally in Ar	gillite/Siltsto	ne at:
241-246m	-246m; 264.2-272.6m; 287.3-312.0m nopyrite is spotty. Note: None of the		(both argillite & t	uff units in zone of deformed	contorted strata); 431.5-4	49m. Commonly t	race-2%	5 pyrite-pyri	rhotite string	ers, fracture	e fills & di	ssemination	is is through	out core;	
arsenopy	rite is spotty	. Note: None of the	samples from	this hole were analysed due	e to sudden termination	of project.		r				-			
Dept	h (m)			Description		Recovery	- A/		Sam	ple _		Cu	Zn	Pb	Ag
From	10	0		•		Run	%	NO.	From	10	Lgth				
0	6.1	Casing													
6.1	100.1	Cobbro: modium (	rean fina to ma	dium arginged aquiargoular a	ormonly unaltared								-		
0.1	109.1	occasional natch e	pidote altered n	ear top weakly magnetic (tra											
		chlorite altered fra	ctures @ 0-30°	40-50° & 70-90° tca	ce magnetite), sparse										
		20.8-21.2: gougy of	crumbly chlorite a	altered fault zone.							1				
		0.07													
		28.1-28.2: chlorite	altered gouge.												
															<u> </u>
		51.1-51.3: Mafic D	yke: dark green	brown, fine grained white pla	gioclase phenocrysts in										
		aphanitic groundm	nass, sharp conta	acts @ 70° tca.											
		50.4.60.0 blocks	dona oly fronturo	d portaguay											
		59.4-60.2. DIOCKY,	densely fracture	d, part gougy.											
		78 0-80 0 <sup>.</sup> blocky													
		70.0 00.0. biooky,	gougy zonoo.												
		80.3-81.5: Quartz	Monzonite Dyke	: leucocratic, fine to medium	grained, equigranular										
		hornblende & pyrc	oxene; aphanitic	mafic dyke at 81.2-81.4 @ 50	0 & 70° tca.										
109.1	114.6	Felsic Tuff: light g	rey, medium brov	wn grey intervals with lapilli, s	iltstone interbeds,										
		unaltered to weak	ly chloritic, beddi	ng 60-70° tca, <b>trace-1% pyri</b>	te-pyrrhotite										
		disseminations.													
		114 1-114 4 <sup>.</sup> dens	elv fractured & c	blorite altered											
		114.1 114.4. 0013													
114.6	117.4	Intermediate Sill: I	iaht to medium a	rev green, scattered plagiocla	ase phenocrysts, dacitic-										
		gabbroic, sharp co	ontacts parallel to	bedding @ 70° tca, weakly	magnetic, trace										
		disseminated py	rite.		-										
															ļ
117.4	136.9	Felsic Tuff: light g	rey, light to medi	um pinkish brown to brown, t	thin banded, few										
		intervals appear in	termediate, bed	ding 50-60° tca, commonly ur	naltered, 10-										
		zonactures/m @ c	0-70° ica, trace	e pyrite-pyrinotite dissemin	ations, stringers.										
		110 0-110 7. done	elv fractured to h	recciated bleached chloritic	nossible trace										
		sphalerite fractur	re fills.		, possible li ave										1
		op	•												
		119.7-120.5: weak	c patchy pervasiv	ve silica altered, trace-1% py	rrhotite-pyrite										
		disseminations,	stringers, trace	chalcopyrite-sphalerite frac	cture fills.										1
															ļ
		127.6-128.0: Felds	spar Porphyry: lig	ght green, scattered fine grain	ned plagioclase										1
		phenocrysts, toliat	ea @ 70° tca, po	ossibly intermediate lapilli tuff											
															1

Hole No.	: <u>SL-09-17</u>										Pa	ge 2 of 7
Dept	h (m)	Description	Recovery	/		Samp	ole		Cu	Zn	Pb	Ag
From	То	Description	Run	%	No.	From	То	Lgth				
		130.9-131.4: Hornblende Porphyry: light green, acicular hornblende phenocrysts, foliated 70° tca.										
		128.5-130.9 & 131.4-132.5: felsic tuff exhibits banding, cross-bedding @ 30-55° tca.										
		133.9-136.9: patches of bleached, chlorite & pervasive silica alteration, dense cross- cutting fractures, trace-1% pyrrhotite-pyrite disseminations, stringers, trace sphalerite stringers.			240115 240116 240117	133.9 134.9 135.9	134.9 135.9 136.9	1.0 1.0 1.0				
136.9	138.6	Gabbro Dyke: medium green, unaltered, weakly magnetic, sharp contacts @ 35 & 70° tca.										
138.6	145.6	Felsic Tuff: light to medium grey to brown, thin banded, dark argillite/siltstone interbeds, bedding @ 30-50° tca, few thin patches weak pervasive silica alteration, trace-1% pyrite-pyrrhotite disseminations, stringers, moderately fractured.										
145.6	151.1	Argillite/Siltstone: dark grey to black, thin interbeds, few tuff bands, bedding @ 40° tca, trace-2% pyrrhotite-pyrite disseminations, stringers.										
		147.4-148.4: Augite Porphyry: medium to dark green, plagioclase, augite phenocrysts, unoriented, chilled margins.										
151.1	189.3	Felsic Tuff: light to medium grey to grey brown, scattered intervals with lapilli, minor argillite/siltstone interbeds, bedding @ 50-60° tca, commonly unaltered, trace-2% pyrite-pyrrhotite disseminations, stringers, 10-20 fractures/m @ 30°, & 50-70° tca, competent core.										
		158.2-159.0: Gabbro Dyke: dark green, fine grained, unoriented, <b>1-2% pyrrhotite</b> disseminations, contact 50° tca.										
		163.5-164.0: crenulated, contorted bedding, part subparallel tca.										
		168.3-169.0: Gabbro Dyke: dark green, fine grained, scattered plagioclase phenocrysts.										
		172.0-173.0: densely fractured, patchy pervasive silica altered, trace-2% pyrite- pyrrhotite-sphalerite(-galena) fractures, stringers @ 45-55° tca.			240118 240119	171.0 172.0	172.0 173.0	1.0 1.0				
		177.4-179.0: bleached silica altered, quartz veinlets, <b>1-2% pyrite-pyrrhotite stringers, fracture fills,</b> green chloritic laminations @ 50-60° tca.										
		179.9-180.9: few stringers of pyrrhotite-pyrite-sphalerite @ 55° tca.			240120	179.9	180.9	1.0				
		182.1-182.8: Gabbro: scattered plagioclase phenocrysts, fine grained dark green groundmass.										
		183.2-183.8: Intermediate Tuff: medium green, aphanitic, fine grained plagioclase crystals, 1-2% disseminated pyrrhotite-pyrite.										
		187.5-188.0: bleached, patchy silica altered, chloritic interlayers, <b>1-2% pyrrhotite-</b> pyrite disseminations, stringers.										
189.3	190.4	Diorite Dyke: green chloritic mafics, white matrix, fine to medium grained, unoriented.										

Hole No.	: <u>SL-09-17</u>										Pa	ge 3 of 7
Dept	h (m)	Pasarintian	Recovery			Samp	ole		Cu	Zn	Pb	Ag
From	То	Description	Run	%	No.	From	То	Lgth				
190.4	191.5	Intermediate Tuff: dark green, fine grained plagioclase phenocrysts, aphanitic groundmass.										
191.5	208.3	Felsic Tuff: light grey to grey brown, thin banded, few argillite/siltstone inter beds, bedding 55-60° tca, unaltered, <b>trace-1% pyrrhotite-pyrite</b> , 10-20 fractures/m, cross-cutting, hairline @ 30-50°tca, competent core.										
		205.9-207.2: Feldspar Porphyry: crowded fine to medium grained plagioclase phenocrysts, green very fine grained groundmass, dioritic, weak chlorite altered, <b>trace sphalerite-galena</b> , 10-20 fractures/m, cross-cutting, quartz veinlets.										
208.3	215.0	Argillite/Siltstone: medium to dark grey, black, thin interbeds, few tuff intervals, bedding 50-60° tca, 1-2% pyrrhotite-pyrite disseminations, stringers, few sphalerite(-galena) stringers @ 209.9-210.0.										
215.0	216.9	Felsic Tuff: light green grey to grey brown, banded, few argillite/siltstone laminations, bedding 55° tca, commonly unaltered, <b>trace-2% pyrrhotite-pyrite disseminations, stringers.</b>										
		215.9-216.8: densely fractured, chlorite altered, few quartz veinlets.										
		216.2-216.6: few sphalerite(-galena-chalcopyrite) stringers (1-3mm) @ 70-80° tca.			240121	216.2	216.6	0.4				
216.9	220.3	Andesite Dyke: medium green, very fine grained, sparse scattered plagioclase phenocrysts, unoriented, <b>trace-2% pyrrhotite-pyrite disseminations</b> , weak selective chlorite-epidote alteration, 10-20 fractures/m @ 40-80° tca with quartz infills.										
220.3	221.2	Intermediate Tuff: light to medium green, thin banded, weak chlorite altered, trace-2% pyrite-pyrrhotite disseminations, stringers, clusters.										
221.2	221.7	Felsic Tuff: pale to light grey to grey brown, patchy weak silica alteration, <b>1-2%</b> pyrrhotite-pyrite.										
221.7	223.2	Augite Porphyry: medium green, fine grained, augite phenocrysts, fine to medium grained epidote altered plagioclase phenocrysts, very fine grained groundmass, <b>trace-1% pyrite disseminations</b> , sharp irregular contacts @ ~80° tca.										
223.2	224.9	Felsic Porphyry: pale to light grey to grey brown, part patchy silica altered & densely fractured, trace-2% pyrrhotite-pyrite disseminations, stringers, fracture fills.										
224.9	229.1	Intermediate Tuff: medium green, very fine grained, trace scattered lapilli, few felsic tuff intervals, bedding 55-60° tca, <b>trace-1% pyrite-pyrrhotite disseminations.</b>										
229.1	235.9	Felsic Tuff: pale to light grey to grey brown, banded @ 50-60° tca, patchy pervasive weak silica alteration, trace-2% pyrrhotite-pyrite disseminations, stringers, trace sphalerite(-galena) clusters, fracture fills.			240122 "D"123 240124 240125	229.5 229.5 231.0 232.0	230.5 230.5 232.0 233.0	1.0 1.0 1.0 1.0				
		231.8-232.7: contorted, part brecciated bedding.										
		234.9-235.3: Augite Porphyry.										
235.9	236.8	Augite Porphyry.										

Hole No.:	: <u>SL-09-17</u>										Pa	ge 4 of 7
Dept	h (m)	Description	Recovery			Samp	ole		Cu	Zn	Pb	Ag
From	То	Description	Run	%	No.	From	То	Lgth				
236.8	238.8	Felsic Tuff: light pinkish brown, banded @ 55° tca, commonly weak pervasive silica alteration, quartz-carbonate veinlets, 20-30 fractures/m subparallel to bedding, trace-1% pyrrhotite-pyrite disseminations & fracture fills, minor cross-cutting fractures @ 30° tca with trace sphalerite.										
238.8	239.7	Augite Porphyry.										
239.7	240.2	Diorite Sill: medium green, fine grained, equigranular, weakly chloritic, chilled margins, sharp contact @ $55^{\circ}$ tca.										
240.2	249.3	Felsic Tuff: pale to light grey, light grey brown, thin banded @ 55-65° tca, commonly densely fractured (30-40/m) with quartz-carbonate & quartz-sericite infills, parts brecciated with healed quartz blasts, commonly weak to moderate pervasive silica alteration, trace-2% pyrrhotite-pyrite disseminations, fracture fills & clusters.			"B"126 240127 240128 240129 240130 240131	241.0 242.0 243.0 244.0 245.0	242.0 243.0 244.0 245.0 246.0	1.0 1.0 1.0 1.0 1.0				
		241-246: trace sphalerite(-galena) fracture fills.										
249.3	264.2	Feldspar Porphyry: crowded fine to medium grained plagioclase phenocrysts in fine grained greenish groundmass, unoriented except near base (foliated @ 50-70° tca), dioritic, weak selective epidote altered plagioclase & and fracture envelopes, 10-15 fractures/m (quartz, quartz-carbonate, epidote), <b>trace-1% pyrite disseminations,</b> competent core.										
264.2	272.6	Felsic Tuff: light grey to grey-brown, banded @ 50-55° tca, intervals with argillite/siltstone interbeds, commonly unaltered, few weak silica bands, <b>trace-2% pyrrhotite-pyrite disseminations &amp; stringers,</b> commonly 10-20 fractures/m.										
		264.2-265.4: weak to moderate pervasive silica altered with epidote altered bands.										
		265.4-266.0: Augite Porphyry Sill.										
		266.0-268.6: increasing pyrite-pyrrhotite disseminations & few stringers to 2-4%, brownish black stringers possibly contain sphalerite.			240132 240133 240134	266.0 267.0 268.0	267.0 268.0 268.6	1.0 1.0 0.6				
		268.6-269.2: Augite Porphyry.										
		269.2-270.9: 2-4% pyrite-pyrrhotite disseminations, stringers and brownish black stringers.										
		270.9-271.6: silica altered fractured tuff with irregular quartz flooding & 20cm vein, irregular discontinuous fracture fills up to 1cm wide with massive pyrrhotite(-pyrite-chalcopyrite).			240135 "D"136 240137 240138	269.3 269.3 270.3 270.9	270.3 270.3 270.9 271.6	1.0 1.0 0.6 0.7				
272.6	278.9	Feldspar Porphyry: white to light pinkish brown, scattered pink & white feldspar phenocrysts, bleached, weak to moderate pervasive silica alteration, 10-30 fractures/m @ 60-70° tca, with hairline quartz, quartz-carbonate fills.										
278.9	287.3	Felsic Tuff: pale to light grey, medium brown, thin banded, few intervals with thin argillite/siltstone interbeds 55-60° tca, commonly unaltered, <b>1-2% pyrrhotite-pyrite disseminations &amp; stringers.</b>										

Hole No.:	: <u>SL-09-17</u>										Pa	ge 5 of 7
Dept	h (m)	Description	Recovery			Samp	ole		Cu	Zn	Pb	Ag
From	То	Description	Run	%	No.	From	То	Lgth				
		281.3-284.7: crenulated contorted bedding @ shallow angles to core axis (possible fold hinge), increasing pyrrhotite-pyrite disseminations, stringers to 2-4%, also brownish black stringers possibly sphalerite.			240139 "B"140 240141	281.0 282.0	282.0 283.0	1.0 1.0				
287.3	290.9	Argillite/Siltstone: medium to dark grey, black, thin interbeds @ 60-65° tca, minor felsic tuff interlayers, few silica altered bands, irregular hairline quartz-carbonate fracture fills, 10-20/m, cross-cutting and parallel to bedding, <b>2-4% pyrite-pyrrhotite disseminations, stringers, fracture fills, trace sphalerite(-galena-chalcopyrite) stringers</b> subparallel to bedding.			240142 240143	288.0 289.0	289.0 290.0	1.0 1.0				
290.9	294.3	Felsic Tuff: pale to light grey to pinkish brown, thin banded, intervals with argillite/siltstone interbeds 55-65° tca, commonly weak to moderate pervasive silica alteration, 2-4% pyrite-pyrrhotite disseminations & stringers, trace-1% sphalerite(-galena) stringers, fracture fills, trace arsenopyrite disseminations.			240144 240145 240146	290.0 292.2 293.2	291.0 293.2 294.2	1.0 1.0 1.0				
		291.3-292.2: Intermediate Tuff: medium green, scattered lapilli, weakly foliated @ 55-60° tca, unaltered, <b>2-4% pyrite-pyrrhotite disseminations.</b>										
294.3	306.3	Argillite/Siltstone: medium to dark grey, black, thin interbedded, few thin intervals of silica altered felsic tuff, <b>2-4% pyrite-pyrrhotite disseminations, stringers, trace-1% sphalerite(-galena) stringers, fracture fills</b> (up to 1cm) subparallel to bedding@ 40-60° tca.			240147 "B"148 240149 "D"150 240151 240152 240153 240153 240155 240155 240156 240157	295.5 296.5 297.5 298.5 299.5 300.5 301.5 302.5 303.5	296.5 297.5 298.5 299.5 300.5 301.5 302.5 303.5 304.5					
306.3	312.0	Felsic Tuff: pale to light grey, pinkish brown, thin banded @ 50-60° tca, minor argiilite/siltstone interbeds, bleached pervasive silica patches and bands, densely fractured intervals (30-40/m) with parts brecciated, <b>2-4% pyrite-pyrrhotite disseminations &amp; stringers, trace-1% sphalerite-arsenopyrite(-galena) stringers.</b>										
		310.8-311.7: crowded Feldspar Porphyry, dioritic.										
312.0	318.8	Argillite/Siltstone: medium to dark grey, black, occasional thin felsic tuff intervals, 1-3% pyrrhotite -pyrite disseminations, stringers, trace sphalerite(-galena) stringers.										
		314.0-318.2: contorted crenulated bedding subparallel to core axis (fold hinge?).										
318.8	329.5	Andesite Dyke: light to medium green grey to green, very fine grained, massive, unaltered, <b>1-2% pyrrhotite-pyrite disseminations,</b> possibly tuff? Contains few felsic tuff intervals.										
329.5	332.0	Gabbro: medium to dark green, scattered fine to medium grained plagioclase phenocrysts, weakly magnetic, blocky to crumbly core, gougy, possibly fault at base.										
332.0	353.4	Argillite/Siltstone: medium to dark grey, black, unaltered, contorted bedding from 0-30° tca, possibly fold hinge, common slickensides at top with fault plane 30° tca, trace-2% pyrrhotite -pyrite disseminations, stringers, lenses, some brecciated intervals, few thin tuff bands.										

Hole No.	: <u>SL-09-17</u>										Pa	ge 6 of 7
Dept	th (m)	Description	Recovery			Sam	ple		Cu	Zn	Pb	Ag
From	То	Description	Run	%	No.	From	То	Lgth				
		340.9-344.0: Crowded Feldspar Porphyry: fine to medium grained plagioclase phenocrysts, dioritic composition.										
		347.8-348.0: Andesite Dyke: gougy, crumbly.										
		352.2-352.6: Andesite Dyke.										
353.4	358.4	Andesite Dyke: medium grey green, very fine grained, few scattered fine to medium grained plagioclase phenocrysts, massive, parts very weakly foliated 55° tca, <b>trace-1% pyrite disseminations</b> , weakly magnetic, 10-15fractures/m (quartz-carbonate), upper contact soft gougy.										
358.4	361.0	Felsic Tuff: pale to light grey, thin banded @ 50-55° tca, commonly weak pervasive silica alteration, densely fractured, chlorite & minor quartz-carbonate infills, trace-1% pyrite(-pyrrhotite) disseminations & clusters.										
361.0	406.4	Gabbro: medium to dark green, fine to medium grained, intervals with augite phenocrysts, <b>trace-1% pyrite-pyrrhotite disseminations &amp; magnetite</b> , commonly 10-20fractures/m @ 70-80° tca, fewer @ 40°, locally 0-20°, light to dark green chlorite fracture fills up to 1cm, locally with slickensides.										
		362.7-364.1: Granitic (Aplite) Dyke: light pinkish grey, fine grained, locally hornblende- biotite phenocrysts, unaltered.										
		403.5-404.6: Mafic dyke: medium dark green, very fine grained, a finer grained equivalent of gabbro.										
		404.3-404.5: Quartz Vein: upper contact @ 40° tca, lower contact irregular.										
406.4	408.5	Andesite Dyke: medium grey green, very fine grained.										
408.5	413.2	Feldspar Porphyry: crowded fine to medium grained plagioclase phenocrysts in medium grey groundmass, dioritic, <b>trace pyrite disseminations.</b>										
413.2	413.5	Felsic Tuff: light green grey brown, thin banded @ 50° tca.										
413.5	415.1	Feldspar Porphyry: scattered fine to medium grained plagioclase phenocrysts in fine grained dacitic groundmass, unaltered, <b>trace disseminated pyrite.</b>										
415.1	449.0	Felsic Tuff: pale to light grey, pinkish brown, thin banded @ 60-65° tca, occasional thin interval argillite/siltstone, commonly 10-20 fractures/m @ 30-40° tca, 60° with hairline quartz-carbonate infills.										
		415.0-421.0: trace disseminated pyrite.										
		421.0-422.7: silica altered intervals, 2-4% pyrite-pyrrhotite disseminations, stringers, trace arsenopyrite disseminations.										
		422.7-423.5: Feldspar Porphyry: fine to medium grained plagioclase phenocrysts in fine grained dacitic groundmass.										
		423.5-430.8: 1-2% pyrrhotite-pyrite disseminations, stringers, rare chalcopyrite- sphalerite clusters in fractures.										

Hole No.:	: <u>SL-09-17</u>										Pa	ge 7 of 7
Depth (m)		Description	Recovery		Sample				Cu	Zn	Pb	Ag
From	То	Description	Run	%	No.	From	То	Lgth				
		431.2-431.5: irregular quartz veining & fractures, <b>massive pyrrhotite infills</b> to 1cm wide, <b>trace chalcopyrite-sphalerite</b> in fractures.										
		431.5-449.0: trace-2% pyrrhotite-pyrite disseminations, stringers, very rare sphalerite-chalcopyrite cluster in fracture.										
449.0		END OF HOLE.										

**APPENDIX 6** 

## DIAMOND DRILL HOLE LOCATION MAP & DRILL SECTIONS



	SILVER LYNX PROPERTY NELSON MINING DIVISION
178	BCGS 062F-043
	DIAMOND DRILL
$\mathbf{\nabla}$	
<sup>3</sup> ,	LOCATIONS
(FO)	GEOLOGY
<b>*</b>	0 50 100 150 200 250m
$\times$	
	LEGEND
	Ovbn Overburden
1======;	
	Arg Dark grey to black, fine-grained finely laminated (1-10mm), commonly with 1-10mm felsic layers.
	Siltstone
	Integration of pare grey, the graned; gradational with argilite, more massive.
	Ft Undifferentiated Felsic Tuff Pale grey to brown and green, fine-grained to coarse laplil and stretched blocks generally finely-laminated, often with mudstone interfayers and clasts. Dacite to rhyolite composition, pyroclastic.
$\langle \rangle$	Fct Felsic Crystal Tuff
	Ftb Felsic Tuff-Breccia
	LS Limestone Pale greenish grey, fine-grained, massive.
	Quartz Monzonite
$\backslash $	QMp Sharp contacts parallel to principal foliation (S2), locally stoped contacts, very weak chill margins.
$\backslash$	Dr Diorite Medium green-grey, medium grained, salt and pepper texture. Likely a phase of QMp.
V	And Medium green, fine-grained to weakly porphyritic, concordant and locally foliated.
510906	HP Hernblende Porphyry Dyke A pale green to grey, the-grained with conspicuous black tabular to needle-like homblende phenocrysts. Somewhat discordant with S2; sharp irregular contacts, moderately chilled.
510500	Gb Gabbro Coarse-grained, equigranular to pseudoporphyritic, >50% plagioclase, 25% chlorite and 25% mafics, grading to diorite.
	AP Brown to dark green, altered with augite phenocrysts variable altered by calcite and chlorite. Orientation not apparent.
	sph Sphalente / Foliation, S2
	po Pyrrhotite /lo Bedding
	py Pyrite /√ Fold Vergence
// // /	gai Galena —— Contact: Defined, Inferred
	aspy Arsenopyrite <b>a a a a a</b> Sulphide Horizon
<i>. </i>	Im LImonite VLF-EM Conductor
TL 16+00N	qv Quartz Vein Diamond Drill Collar & Trac
	qız Quartz sil Silldifed
	plag Plagioclase
<b>380873</b>	gar Garnet
	cal calcite
	epi Epidote
	chl Chlorite
、( / <u> </u> //	fol Foliation
Ŋ <sub>8</sub> / 1/i / 1	Map modified from: Wild 2004: Fig 3 "Geology & Drill Hole Locations"
	DATA BY: B. MEYERS DRAWN BY: WILDROCK RESOURCES
	FILENAME: FIG3-DDH-GEOLOGY-SILVERLYNX-2010.DWG FIGURE 3



	LEGEND
	Overburden
	Argillite Dark grey to black, fine-grained finely laminated (1-10mm), commonly with 1-10mm felsic layers.
Argisit	Silt Siltstone Medium to pale grey, fine grained; gradational with argillite, more massive.
1200 —	Ft Undifferentiated Felsic Tuff Pale grey to brown and green, fine-grained to coarse lapili and stretched blocks generally finely-laminated, often with mudstone interlayers and clasts. Dacite to rhyolite composition, pyroclastic.
	Fot Felsic Crystal Tuff
	Flt Felsic Lapilli Tuff
	Ftb Felsic Tuff-Breccia
	$\begin{array}{c c} & \textbf{Quartz Monzonite} \\ & \textbf{Medium grey, medium grained, weakly to moderately porphyritic.} \\ & \textbf{X} & \textbf{QMp } \times \\ & \textbf{X} & \textbf{X} & \textbf{X} \end{array}$
	Dr Diorite Medium green-grey, medium grained, salt and pepper texture. Likely a phase of QMp
	And Andesite Dyke Medium green, fine-grained to weakly porphyritic, concordant and locally foliated.
	HP Hornblende Porphyry Dyke A pale green to grey, fine-grained with conspicuous black tabular to needle-like hornblende phenocrysts. Somewhat discordant with S2; sharp irregular contacts, moderately chilled.
	Gb Gabbro Coarse-grained, equigranular to pseudoporphyritic, >50% plagioclase, 25% chlorite and 25% mafics, grading to diorite.
1150	AP Area by calcite and chlorite. Orientation not apparent.
	FP Light greenish, (crowded) plagioclase phenocrysts, dioritic groundmass; some dykes/sills with relict pink feldspar phenocrysts.
	sph Sphalerite / Foliation, S2 (principal foliation)
	po Pyrrhotite / Bedding py Pyrite // Fold Vergence
	gal Galena 🧳 >1000ppm Zn
	cp Chalcopyrite — Contact: Defined, Inferred
	lim Limonite Significant Sulphide Zones
	qv Quartz Vein
	qtz Quartz
	plag Plagioclase
	gar Garnet
	cal calcite
	chl Chlorite
	bi Biotite
	fol Foliation
1100 —	Legend modified from: Wild 2004
	DATA BY: B. MEYER DRAWN BY: WILDROCK RESOURCES
	FILENAME: FIG4-DDH-SL-09-12-SECTION.DWG FIGURE 4



		LEGEND
	3.0m	
		Argillite Dark grey to black, fine-grained finely laminated (1-10mm), commonly with 1-10mm felsic layers.
		Siltstone
		Silt Medium to pale grey, fine grained; gradational with argilite, more massive.
900		Ft         Undifferentiated Felsic Tuff           Pale grey to brown and green, fine-grained to coarse lapilli and stretched blocks generally finely-laminated, often with mudstone interlayers and clasts. Dacite to rhyolite composition, pyroclastic.
	$r_{\rm EOH} = 298.9 {\rm m}$	Fct Felsic Crystal Tuff
		Ftb Felsic Tuff-Breccia
	1567ppm Zn	$\begin{array}{c c} & \textbf{Quartz Monzonite} \\ & \textbf{Medium grey, medium grained, weakly to moderately porphyritic.} \\ & \textbf{X} & \textbf{X} & \textbf{X} \\ & \textbf{X} & \textbf{X} & \textbf{X} \end{array}$
	2.0m	Dr Diorite Medium green-grey, medium grained, salt and pepper texture. Likely a phase of QMp
		And Andesite Dyke Medium green, fine-grained to weakly porphyritic, concordant and locally foliated.
		HP Hornblende Porphyry Dyke A pale green to grey, fine-grained with conspicuous black tabular to needle-like hornblende phenocrysts. Somewhat discordant with S2; sharp irregular contacts, moderately chilled.
	SL-09-16 EOH = 455.0m	Gb Gabbro Coarse-grained, equigranular to pseudoporphyritic, >50% plagioclase, 25% chlorite and 25% mafics, grading to diorite.
850 —		AP Brown to dark green, altered with augite phenocrysts variable altered by calcite and chlorite. Orientation not apparent.
		FP Feldspar Porphyry Light greenish, (crowded) plagioclase phenocrysts, dioritic groundmass; some dykes/sills with relict pink feldspar phenocrysts.
		sph Sphalerite Z Foliation, S2 (principal foliation)
		po Pyrrhotite / Bedding py Pyrite // Fold Vergence
		gal Galena 🧳 >1000ppm Zn
		cp Chalcopyrite — Contact: Defined Inferred
		lim Limonite Significant Sulphide Zones
		qv Quartz Vein
		qtz Quartz sil Silicified
		plag Plagioclase
		gar Garnet
		cal calcite
		chl Chlorite
		bi Biotite
		fol Foliation
800 —		Legend modified from: Wild 2004
		DATA BY: B. MEYER DRAWN BY: WILDROCK RESOURCES
		FILENAME: FIG5-DDH-SL-09-15-16-SECTION.DWG FIGURE 5



to the second seco	LEGEND
	Arg Dark grey to black, fine-grained finely laminated (1-10mm), commonly with 1-10mm felsic layers.
	Silt Siltstone Medium to pale grey, fine grained; gradational with argillite, more massive.
	Ft Undifferentiated Felsic Tuff Pale grey to brown and green, fine-grained to coarse lapilli and stretched blocks generally finely-laminated, often with mudstone interlayers and clasts. Dacite to rhyolite composition, pyroclastic.
	Fct Felsic Crystal Tuff
	Fit Felsic Lapilli Tuff
	Ftb Felsic Tuff-Breccia
	$\begin{bmatrix} x & x & x \\ x & QMp & x \\ x & x & x \end{bmatrix}$ Quartz Monzonite Medium grey, medium grained, weakly to moderately porphyritic. Sharp contacts parallel to principal foliation (S2), locally stoped contacts, very weak chill margins.
	Dr Diorite Medium green-grey, medium grained, salt and pepper texture. Likely a phase of QMp
	And Site Dyke And Medium green, fine-grained to weakly porphyritic, concordant and locally foliated.
	HP HP Hornblende Porphyry Dyke A pale green to grey, fine-grained with conspicuous black tabular to needle-like hornblende phenocrysts. Somewhat discordant with S2; sharp irregular contacts, moderately chilled.
	Gb Gabbro Coarse-grained, equigranular to pseudoporphyritic, >50% plagioclase, 25% chlorite and 25% mafics, grading to diorite.
850 —	SL-09-17 FOH = 440.0m
	FP FP FP FP Some dykes/sills with relict pink feldspar phenocrysts.
	sph Sphalerite Z Foliation, S2 (principal foliation)
	po Pyrmotite / Bedding py Pyrite // Fold Vergence
	gal Galena / >1000ppm Zn
	cp Chalcopyrite — Contact: Defined, Inferred aspy Arsenopyrite ~~~~ Fault: Defined, Inferred
	lim Limonite Significant Sulphide Zones
	qv Quartz Vein qtz Quartz
	sil Silicified
	plag Plagioclase
	cal calcite
	epi Epidote
	chi Chionte bi Biotite
	fol Foliation
800	Legend modified from: Wild 2004
	DATA BY: B. MEYER DRAWN BY: WILDROCK RESOURCES
	FILENAME: FIG6-DDH-SL-09-17-SECTION.DWG FIGURE 6