

LBSR: OTC Markets

Welcome to the Hay Mountain Project, centered within the "Great Cluster" of Copper Resources

Consider where Hay Mountain is while reviewing the SRK Consulting Technical Report



James A. Briscoe CEO/Chief Geologist

Analysis and calculation of what the potential is for the Hay Mountain Project can be made based on the US Geological Survey's study of the mines of the area. This recent publication identifies and names the "Great Cluster" of copper resources. The following image below expands on the USGS's work and lists numerous other mines and prospects in Arizona and northern Mexico.

The USGS publication map comes from identifying historic production from at least 37 porphyry copper mines in S E Arizona and northern Mexico containing 240 million metric tons (tonnes) of copper, divided by 37 deposits in the Great

Copper – Gold cluster is an average of copper content of 6.5 million metric tons copper = 14.3 Billion lbs. copper @ a deemed price of \$6/pound or = \$86 Billion dollars per deposit in the Great Cluster. See <u>USGS publication Circular 1380</u>, Chapter 7: "United States–Mexican Borderlands—Facing tomorrow's challenges through USGS science"

In mining exploration, you must go where the copper is. It is common to use the term "Elephant Country." It is clear from the US Geological Survey study that the Great Copper (& Gold – our term) Cluster is one of the largest concentrations of porphyry copper deposits in the world. We don't know precisely why it is here – but a proliferation of volcanic caldera structures, one of which is the Tombstone Caldera, which I was the first one to identify from geologic features I was familiar with from working in the McDermitt Caldera on the Oregon – Nevada border in the mid-1970s. Much of the features of the Tombstone Caldera have been eroded away, but enough are still present to be an indicator. Our Hay Mountain Project lies almost dead center in the "Great Cluster" and it has all the characteristics that define it as a porphyry copper deposit. For Hay Mountain, because it is so large in relation to the footprints of other mines like Morenci and Bingham Canyon Utah, it could contain based on this logic, much more than the average.

Geologic mineral exploration is performed by becoming familiar with the geology of existing mines. Over my decades of exploration experience, I have looked at all the mines in this area at

least once and sometimes 4 to 5 times or more. There are subtle indicators that I observe that are not recognized by less experienced explorers. Further during work to date we have identified new exploration indicators which are so confidential and important to our investors and venture partners we cannot yet mention them.

After 10 long years of work in getting this wonderful land package together and following our 43-101 style report in collaboration with SRK Consulting, we have completed all the recommendations except drilling and we are now ready to drill holes on a grid across the targets on the property.

We believe we will discover a world class base and precious metal deposit that will extend from near the surface to great depth. Our magnetic susceptibility geophysics allows us to "see distorted limestone beds which appear to be mineralized and these are one of our top priorities. Further, if the Excelsior project at Johnson Camp succeeds in their in-place (called in situ) copper leaching, that may be a technology we can use on our shallow oxide ores in limestone.

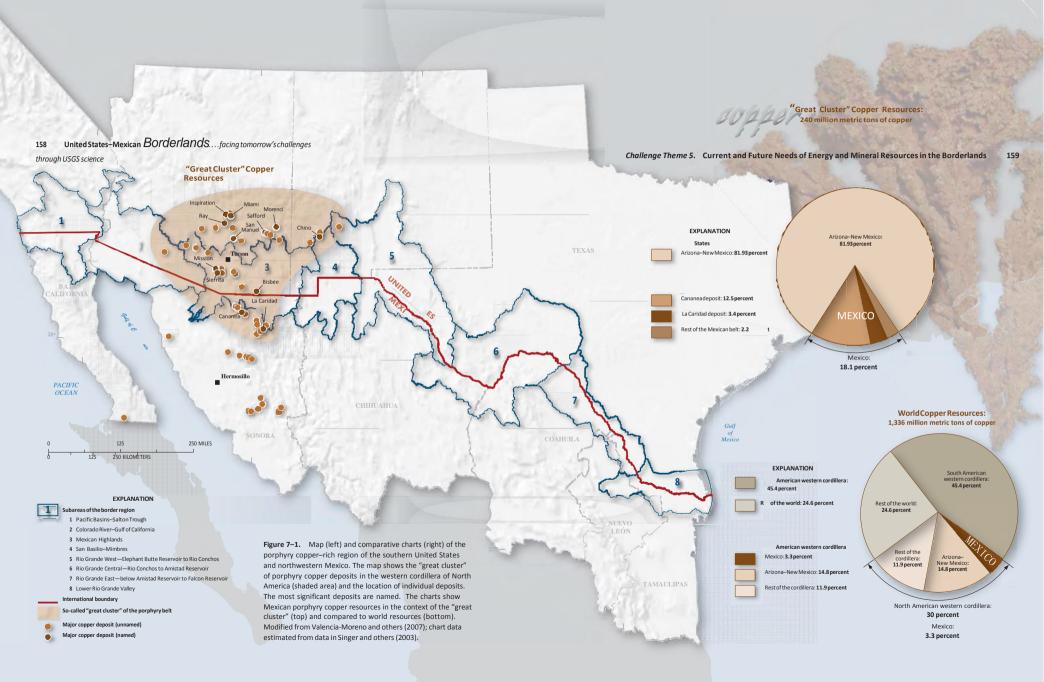
The USGS maps of the "Great Cluster" and the Forward portion of the Technical Report follow, so you can see what we had planned all along. The detailed report is full of technical things that most layman will find tedious and boring. But if you would like to delve into more detail, simply send your e-mail and phone number to Tracy and she will forward it to you. But I must warn you it is about 150 pages.

"James A. Briscoe" <u>James A. Briscoe</u>, Professional Geologist, AZ CA CEO/Chief Geologist Liberty Star Uranium & Metals Corp.

Contact: Tracy Myers | IR Representative Liberty Star Uranium & Metals Corp. LBSR: OTCMarkets 520-425-1433 mailto:info@libertystaruranium.com

RISK FACTORS FOR OUR COMPANY ARE SET OUT IN OUR 10-K AND OTHER PERIODIC FILINGS WITH THE SEC ON EDGAR.

Limestone Sediment (Skarn) Hosted Porphyry Copper Deposits HAY MOUNTIN INFERRED POTENTIAL IS \$86 BILLION IN COPPER AT ARIZONA CALIFORNIA A DEEMED PRICE OF \$6 / POUND COPPER NOT INCLUDING Au, Ag etc. "Great Cluster" Copper Resources Christmas/Chilito Florence Magma/Resolution ASARCO Globe Inspiration **Tiami** SilverBell Morenci **Copper Flat** Sacaton Ray Safford East SilverBell San Manuel LBSR West SilverBell Chino Casa Grande Kalamazoo -Johnson Camp Chloride Flat TEX Tyrone Tueson Excelsior Mission Tombstone Pima/Mission Orebodies-Courtland Gleeson Hay Mountain Rosemont Camp Sierrita Bisbee BAJ Twin Buttes CALIFORNIA La Caridad Patagonia Porphyries Helvetia Hermosa Gulf of California Sunnyside Cananea **Red Mountain** Washington Camp 300 Hermosillo PACIFIC OCEAN CHIHUAHUA SONORA COAHUILA 125 250 MILES



Hay Mountain Exploration Report Tombstone District, Arizona

Report Prepared for

Liberty Start Uranium & Metals Corp.





Report Prepared by



SRK Consulting (U.S.), Inc. 173300.030 August 31, 2011

Hay Mountain Exploration Report Tombstone District, Arizona

Liberty Star Uranium & Metals Corp.

5610 E. Sutler Lane Tucson, AZ 85712 USA

SRK Consulting (U.S.), Inc.

3275 West Ina Road, Suite 240 Tucson, AZ 85741

e-mail: tucson@srk.com website: www.srk.com

Tel: 520 544 3688 Fax: 520 544 9853

SRK Project Number 173300.030

August 2011

Author:

Jan C. Rasmussen Ph.D., R.G.

Peer Reviewed by:

Corolla K Hoag R.G., C.P.G.

Table of Contents

1	Sur	nmary (Item 3)	1
	1.1	Property Description and Location	1
	1.2	Ownership	1
	1.3	Mineralization and Geology	1
	1.4	Exploration Concept and Status	2
	1.5	Mineral Resources	3
	1.6	Development and Operations	3
	1.7	Exploration Potential	3
	1.8	Conclusions and Recommendations	3
2	Intr	oduction (Item 4)	7
	2.1	Terms of Reference and Purpose of the Report	7
	2.2	Qualifications of Consultants	7
	2.3	Site Visits	8
	2.4	Sources of Information	8
3	Reli	iance on Other Experts (Item 5)	9
4	Pro	perty Description and Location (Item 6)	10
	4.1	Property Location	10
	4.2	Mineral Titles	10
	4.3	Description	10
	4.4	Mineral Claims and Leases	10
		4.4.1 Mineral Rights on Arizona State Land	11
		4.4.2 Requirement to Maintain the Claims in Good Standing	11
		4.4.3 Titles and Obligations, Agreements, and Exceptions	11
	4.5	Required Permits and Status	11
	4.6	Location of Mineralization	11
	4.7	Royalties, Agreements and Encumbrances	12
	4.8	Environmental Liabilities and Permitting	12
5	Aco	cessibility, Climate, Local Resources, Infrastructure and Physiography (Ite	m 7)14
	5.1	Topography and Elevation	14
	5.2	Climate and Length of Operating Season	14
	5.3	Vegetation	14
	5.4	Physiography	15

	5.5	Access to Property	15
	5.6	Surface Rights	15
	5.7	Local Resources and Infrastructure	15
	5.8	Infrastructure	16
6	Hist	tory (Item 8)	23
	6.1	Tombstone District History	23
		6.1.1 1877-1913	23
		6.1.2 1914-1932	24
		6.1.3 1933-1950	25
		6.1.4 1951-1977	25
		6.1.5 1980-1985	26
	6.2	Tombstone District Production	27
	6.3	Tombstone District Prior Ownership	
	6.4	Hay Mountain Project Ownership	29
	6.5	Project Expenditures	29
	6.6	Historic Mineral Resource and Reserve Estimates	29
7	Geo	blogical Setting (Item 9)	39
	7.1	Precambrian (1,800 - 542 Ma)	39
	7.2	Paleozoic Passive Margin (542-251.5 Ma)	40
	7.3	Jurassic Nevadan Orogeny (205-145 Ma)	42
		7.3.1 Rocks of the Nevadan Orogeny at Tombstone	42
		7.3.2 Structures of the Nevadan Orogeny at Tombstone	42
	7.4	Cretaceous Sevier Orogeny (140-89 Ma)	43
	7.5	Cretaceous, Earliest Laramide (85-80 Ma) – Cu-Au Mineralization	43
	7.6	Cretaceous, Early Laramide (79-67 Ma) – Pb-Zn-Ag Mineralization	44
		7.6.1 Calderas of Early Laramide Orogeny in Southern Arizona	44
		7.6.2 Rocks of Early Laramide (79-67 Ma) at Tombstone	45
		7.6.3 Structures of the Early Laramide (79-67 Ma) at Tombstone	47
	7.7	Tertiary, Middle Laramide (66-55 Ma) - Porphyry Cu Mineralization	48
		7.7.1 Rocks of Middle Laramide at Tombstone	48
		7.7.2 Age of Middle Laramide at Tombstone	48
		7.7.3 Mineralization of Middle Laramide at Tombstone	49
		7.7.4 Structures of Middle Laramide at Tombstone	50
	7.8	Tertiary, Late Laramide (54-43 Ma) – Tungsten (W) Mineralization	50
	7.9	Middle to Late Tertiary Orogenies (43 - 0 Ma)	50

		7.9.1 Cenozoic (43-0 Ma) Undivided Rocks at Tombstone	. 50
		7.9.2 Mid-Tertiary Orogeny (43-15 Ma)	51
		7.9.3 Basin and Range Disturbance (14-0 Ma)	51
	7.10	Tombstone District Structures	. 52
		7.10.1 Fracture Zones	. 52
		7.10.2 Folds	52
		7.10.3 Faults	.53
		7.10.4 Texas Zone Elements	. 53
		7.10.5 Caldera Structures	.53
	7.11	Tombstone District Geochemistry	.54
		7.11.1 Magma Chemistry Analysis	. 54
		7.11.2 Mesquite Biogeochemical Investigation	. 54
		7.11.3 Mine Dump Geochemistry Investigation	.55
	7.12	Tombstone District Alteration	.55
	7.13	Tombstone District Geophysics	. 56
	7.14	Hay Mountain Geologic Setting	.56
8	Dep	osit Types of Tombstone District (Item 10)	77
	8.1	Deposit Type of Ag Mineralization	77
	8.2	Deposit Type of Porphyry Copper Mineralization	78
		8.2.1 General Characteristics	.78
		8.2.2 Evidence for Porphyry Copper at Hay Mountain	79
9	Min	eralization (Item 11)	83
	9.1	Ag-Pb-Zn Mineralization	83
		9.1.1 Magma-Metal Series Zoning of Ag Deposits	.84
		9.1.2 Favorable Rocks	.85
		9.1.3 Favorable Structures	. 85
		9.1.4 Age of Ag-Pb-Zn Mineralization	86
	9.2	Porphyry Copper Mineralization	86
		9.2.1 Age of Porphyry Copper Mineralization	87
	9.3	Other Mineralized Zones in the Tombstone Area	.87
	9.4	Rock Types and Relevant Geological Controls	.87
	9.5	Length, Width, Depth, and Continuity	. 87
	9.6	Type, Character, and Distribution of Zoning	87
	9.7	Summary	88

10	Exploration (Item 12)	92
	10.1 Tombstone District Exploration	92
	10.1.1 1921-1965	.92
	10.1.2 1966-1990	.93
	10.1.3 1990-2010	.94
	10.2 Exploration In and Near the Hay Mountain Project	97
	10.3 Geologic Mapping	97
	10.4 Geochemical Sample Collection	98
	10.5 Geophysical Surveys In and Near Hay Mountain	99
	10.6 Interpretation of Tombstone District	. 100
	10.6.1 Interpretation of Geophysical Surveys	. 101
	10.6.2 Interpretation of Geochemical Surveys at Tombstone	. 101
	10.6.3 Interpretation of Geochemical Surveys at Hay Mountain	. 102
	10.7 Conclusions	. 102
	10.8 Recommendations	. 103
11	Drilling (Item 13)	118
	11.1 Type and Extent of Drilling	. 118
	11.2 Drilling Recommendations	. 118
12	Sampling Method and Approach (Item 14)	122
	12.1 Sample Collection and Conclusions	. 122
	12.2 Sampling Recommendations	. 122
13	Sample Preparation, Analyses, and Security (Item 15)	123
	13.1 Recommendations	. 123
14	Data Verification (Item 16)	124
15	Adjacent Properties (Item 17)	125
16	Mineral Processing and Metallurgical Testing (Item 18)	126
17	Mineral Resources and Mineral Reserve Estimates (Item 19)	127
18	Other Relevant Data and Information (Item 20)	128
19	Interpretation and Conclusions (Item 21)	129
	19.1 Opportunity	.129
	19.2 Project Risks	. 129
20	Recommendations (Item 22)	131
	20.1 Recommended Exploration Programs and Cost Estimates	.131
	20.2 Geological Mapping and Sampling	. 131

	RK Consulting av Mountain Exploration Report	Dogo 6
11a	20.3 Geochemical Soil and Geobotanical Sampling	Page 6
		131
	20.4 Geophysical Surveying	132

22 References	
23 Glossary	
23.1 Units of Measure	
23.2 Acronyms and Technical Terms	

List of Tables

Table 6-1	Production summary, 1879-1970, Cochise County	30
Table 6-2	Production and owners of principal mines in Tombstone mining district	31
Table 6-3	Production history, Tombstone mining district	36
Table 6-4	Estimated mine production, Tombstone district	37
Table 7-1	Mountain building episodes in southern Arizona	57
Table 7-2	Whole rock chemistry of Tombstone volcanic rocks	58
Table 7-3	Whole rock chemistry of Tombstone plutonic rocks and later rhyolite	59
Table 7-4	Anomalous metal values in mesquite samples from structures	60
Table 9-1	Principal minerals of the Tombstone mining district	89
Table 9-2	Magma-Metal series subtypes of Metaluminous Alkali-calcic at Tombstone	90
Table 9-3	Magma-Metal series subtypes of Metaluminous Calc-alkalic at Tombstone	91
Table 20-1	Estimated Exploration Budget	133
Table 23-1	Frequently used acronyms and technical terms	145

List of Figures

Figure 1-1	Location map of the Tombstone district, Arizona	.5
Figure 1-2	Location of Hay Mountain project, Tombstone, Arizona	.6
Figure 4-1	Land ownership at Hay Mountain project area	13
Figure 5-1	Typical Hay Mountain project topography	17
Figure 5-2	Topography in the Hay Mountain project	18
Figure 5-3	Physiographic provinces of Arizona	19
Figure 5-4	Mountain ranges in the vicinity of Tombstone	20
Figure 5-5	General access to the Hay Mountain project	21
Figure 5-6	Detailed access to the Hay Mountain project	22

Figure 10-122D resistivity for Hay Mountain project and CSAMT for Redrock Canyon project	. 113
Figure 10-13Induced Polarization and stratigraphy of Redrock Canyon and Zebra projects	. 114
Figure 10-14Aeromagnetic survey of Hay Mountain area	. 115
Figure 10-15Redrock Canyon and Hay Mountain IP and CSAMT data	. 116
Figure 10-16 High Frequency (360 Hz) in-phase total phase rotated (TPR) ZTEM survey	. 117
Figure 11-1 Zebra project geologic map and drill hole locations	. 120
Figure 11-2 Drill hole locations, Hay Mountain, 2004	. 121

Appendices

Appendix A: Certificate of Authors

1 Summary (Item 3) THIS IS THE BODY OF THE REPORT

Liberty Star Uranium & Metals Corporation (Liberty Star) of Tucson, Arizona, retained SRK Consulting (U.S.), Inc. (SRK) to prepare a Technical Report on Exploration at the Hay Mountain project in the Tombstone mining district of southeastern Arizona. The report follows the format of a Canadian National Instrument 43-101 Technical Report for the convenience of those who regularly use these reports.

The Hay Mountain project is an early stage, conceptual exploration target based on geological, geophysical, and geochemical data compiled by James A. Briscoe, Chief Executive Officer, Liberty Star (formerly JABA (US) Inc. (JABA) (Briscoe, 1993a, 1993b, 1994).

Section 1 summarizes this Technical Report.

1.1 Property Description and Location

The Hay Mountain project is located southeast of the town of Tombstone, Cochise County, Arizona, with a center at approximately latitude 31°39'15" N and longitude 110°00'10" W. Tombstone is approximately 72 miles (mi) southeast of Tucson (Figure 1-1). The Hay Mountain project area (Figure 1-2) is on two U. S. Geological Survey (USGS) 7 ½ minute topographic maps, Tombstone and Hay Mountain quadrangles. It is located in parts of Sections (Secs.) 23, 22, 21, 20, 29, 28, 27, 26, 35, 34, 33, and 32 in Township 20 South (T20S), Range 23 East (R22E), and in parts of Secs. 2, 3, 4, and 5, T21S, R23E, Gila and Salt River Meridian. The Tombstone Southeast and Potter Mountain quadrangles are immediately south of the Hay Mountain project area. The Hay Mountain project area is shown on Figure 1-2.

1.2 Ownership

Mineral exploration rights are under investigation by a contractor for Liberty Star. The Hay Mountain area of interest covers about 7,500 acres (a little over 12 square miles) southeast of the historic Tombstone mining district.

1.3 Mineralization and Geology

The target is a porphyry copper deposit related to a fracture system in an eroded caldera margin. Exploration to date has been regional-scale airborne geophysical surveys, geochemical, and biogeochemical surveys. Previous exploration for gold (Au) included geochemical, geophysical, and geological surveys and drilling on the Zebra and Redrock Canyon projects that are within the Hay Mountain project area.

The principal past production from the Tombstone mining district has been silver (Ag) from high grade veins associated with the intersection of north-northeast-striking fissures and andesite dikes with the fractured crests of northwest-trending anticlines (Butler and others, 1938). This mineralization has been dated at 74.5 million years ago (Ma) and alteration at 72 Ma (Newell, 1974). It is probably related to the intrusion of the Schieffelin Granodiorite and associated tuff, the Uncle Sam Tuff, which have been dated at 76 Ma and 73.5 Ma (Creasey and Kistler, 1962; Marvin and others, 1973).

A later period of mineralization was likely associated with the Tombstone rhyolite, dated at 66.6 Ma (Marvin and Cole, 1978) or 63 Ma (Newell, 1974) and the associated Extension/Comstock quartz monzonite porphyry in the eastern part of the district, dated at 62.8 ± 2.6 Ma (Drewes and others, 1985). This younger date is typical of the age of mineralization of porphyry copper deposits throughout southeastern Arizona. Liberty Star's exploration model focuses on porphyry copper

mineralization that is centered on structural intersections created by fracture systems associated with emplacement of 74 Ma calderas in the Tombstone district.

Numerous publications describe the general geology and mining of the Tombstone mining district. The early reports focused on the central mining district where the more productive Ag mines were located (Blake, 1882a; Church, 1903; Ransome, 1920; Butler and others, 1938; and Gilluly, 1956). Additional research has been conducted by graduate students (economic geology by Newell, 1974, and hydrology by Hollyday, 1963), U.S. Geological Survey (USGS) geologists (Force, 1996), and Arizona Bureau of Mines researchers (manganese [Mn] deposits by Wilson and Butler, 1930).

The oldest rocks in the Tombstone Hills are the phyllites and metarhyolites of the Pinal Schist, which was dated at 1,695 Ma in the nearby Little Dragoon Mountains (Silver, 1967). It is intruded by granite, which may be similar to the granite dated at 1,420 Ma in the nearby Little Dragoon Mountains (Silver, 1978). The Precambrian rocks are unconformably overlain in the Tombstone Hills by a thick sequence of Paleozoic quartzite, limestone, and siltstone ranging in age from Cambrian (about 500 Ma) through Permian (about 250 Ma). These sedimentary rocks generally are excellent hosts to mineralization, as the limestone beds are reactive and the more resistant quartzite beds fracture easily under tectonic stress and provide pathways for veins and mineralization.

In southern Arizona, five mountain building episodes occurred during the Mesozoic and Cenozoic, bringing various types of structures, igneous rocks, and mineralization with each orogenic episode (Keith and Wilt, 1986). The Nevadan orogeny (approximately 190 to 145 Ma) in the Triassic and Jurassic was responsible for the copper-gold (Cu-Au) porphyry mineralization at nearby Bisbee and Courtland-Gleeson, but no rocks have been dated of this age in the Tombstone Hills. The Sevier orogeny (approximately 145 to 85 Ma) was mostly active in Nevada and Utah (Armstrong, 1972) and no rocks of this age have been dated in the Tombstone Hills.

The Laramide orogeny (85-43 Ma) is represented in the Tombstone Hills by two structural and mineralization types. The east-west faulting that uplifted Government Butte was emplaced early in the Laramide and may be related to early movement on the Prompter fault. The Ag mineralization in the main district was emplaced in association with northeast structures and caldera volcanism and intrusive rocks (74 Ma). A later intrusion of quartz monzonite porphyry and rhyolite (63 Ma) in the northern and eastern Tombstone Hills is of the same age and style as the porphyry copper mineralization that was emplaced throughout southern Arizona at that time period.

Cenozoic Orogenies in southern Arizona include the Galiuro (mid-Tertiary) orogeny (37-13 Ma) and Basin and Range Disturbance (13-5 Ma) (Keith and Wilt, 1985). The Galiuro orogeny is responsible for the epithermal precious metal mineralization in the Swisshelm Mountains of southeastern Arizona. However, no mineralization or igneous rocks of this age have been identified in the Tombstone Hills. The Basin and Range Disturbance is characterized by basalts and the development of thick basin-fill formation. There is usually no mineralization associated with the Late Tertiary, other than industrial minerals and aggregate associated with sedimentary basin-fill deposits.

1.4 Exploration Concept and Status

The exploration concept pursued by Liberty Star in the Hay Mountain project area focuses on the potential for a porphyry copper deposit under the basin-fill deposits. Evidence for this Cu mineralization is the high Cu and molybdenum (Mo) values in mesquite twigs as reported by Newell (1974). Potential in the district is for carbonate-hosted replacement-type porphyry copper mineralization at intermediate to moderate depth, as well as for shallow chalcocite blanket porphyry type mineralization (Guilbert, 1993).

Geochemical and geophysical surveys in the Tombstone district have been interpreted by Liberty Star to indicate a potential center of porphyry copper mineralization in the Hay Mountain project area. Liberty Star believes that porphyry copper mineralization has been emplaced into structures prepared by the eruption and collapse of the Tombstone caldera. This concept was based on research conducted by James A. Briscoe, Chief Executive Officer of Liberty Star, into caldera volcanism that is physically associated with porphyry copper deposits in southern Arizona and other areas of the world along the Pacific "Ring of Fire". Exploration at the Hay Mountain project focuses on geophysical surveys and metal zoning revealed by the geochemical sampling programs. The surveys suggest the presence of centers of potential porphyry copper mineralization at several centers in the Tombstone area (Guilbert, 1993).

The status of the Hay Mountain project is a grass-roots exploration target, with geochemical, alteration, and metal zoning patterns indicative of potential porphyry copper mineralization.

1.5 Mineral Resources

The Hay Mountain project is in the exploration phase. The best targets, as identified by the geochemical sampling, have yet to be drilled. Therefore, no indicated or inferred mineral resources have been delineated.

1.6 Development and Operations

No development has been started on the surface. No facilities or operations are currently in place on the Liberty Star claims.

1.7 Exploration Potential

There is potential to drill the favorable geochemical targets and discover porphyry copper mineralization. It is possible that a deposit could be discovered that would be amenable to underground mining. Numerous mining companies have pursued Ag, Au, and Cu mineralization targets in the Tombstone district, but none have yet drilled for Cu in the Hay Mountain area.

1.8 Conclusions and Recommendations

The Liberty Star exploration plan includes scout drilling on the most promising of the geochemical anomalies. Liberty Star's goal is drillhole discovery of a potentially productive porphyry copper deposit that would warrant additional exploration drilling, deposit delineation, and scoping level studies. Ultimately, the goal is to define Cu resources of sufficient size and grade to allow for conducting a feasibility study, obtaining permits, and designing and constructing a mine.

SRK has reviewed the existing data and recommends the proposed exploration drilling program. SRK concludes the project information generated to date has defined exploration concepts that are worthy of follow-up work by exploration drilling.

The Hay Mountain project represents a beginning exploration project with a limited amount of historical and current data. The data are insufficient to take the property to resource classification by current industry standards.

SRK makes the following recommendations. Details are in relevant sections of the report.

- Conduct helicopter-borne ZTEM (helicopter-borne Audio Frequency Magnetics (AFMAG) Zaxis Tipper Electromagnetic) geophysical surveying;
- Conduct biogeochemical and soil surveys to be analyzed for 64 elements;
- Data reduction and analysis by appropriate computer techniques;
- Use industry-standard software mapping and record-keeping;
- Conduct vertical diamond core drilling into bedrock;
- Conduct appropriate downhole surveys;

- Conduct drill logging in digital format logs;
- Develop Standard Operating Procedures for sampling and QA/QC programs;
- Analyze the half-core samples from bedrock portions of the drill hole, for at least ten drill holes; and

Compare assay results of duplicate samples from two laboratories to determine analytical precision.

