🔀 SHOREHAM RESOURCES, INC.

P.O. Box 828 Katy, Texas 77492 281-492-8279

July 30, 2013

La Luz Mine containing approximately 500 acres (200 hectares) located in San Miguel, Yanatili River Valley, Peru is an open pit gold, copper, silver, lead and cobalt that was opened and produced in recent past. The property is on an exposed skarn that varies from 20 feet to 100 feet in width and length of up 2,000 feet and could be 30 to 50 feet in depth based on personal observation, (see skarn diagram). This skarn comes from one of many tertiary intrusions in the immediate area that produced the very high grade copper, gold, lead zones. The general area has huge batholith intrusion features and could be 20 square miles in size. The minerals are concentrated as molten liquid in the skarn which was cooled by hydrothermal water and the minerals became solid as their melting point to temperature and pressure which is unique to each mineral.

Samples taken from the workings that produced ore that were trucked for years in the past, was bonanza grade copper and lead and high grade gold, silver and cobalt, (see samples and exploration of each samples). Most of the samples were copper sulfate and iron and malachite which is the most common form of copper. These samples are mostly malachite with over 30% copper. One of the samples is mostly galena lead (Pb), (see copies of Thermo Scientific report).

The appropriate prices of minerals that would be recovered by mining this skarn are: gold \$1,370.00 per ounce, silver \$25.00 per ounce, copper \$3.00 per pound, cobalt \$2.00 per pound and lead \$1.00 per pound.

Our field geologist sampled the three tailing piles (60 tons) containing small amounts of gold and four percent (4%) copper which shows that the miners recognized that the ore was marginal and not worth processing. The employment of miners that can identify gold ore is critical and successful in mining.

The skarn was exposed naturally from erosion. The immediate area has up to 10 feet glacial till from ancient glacial periods and has a top soil of up to 2 feet covering the outline of skarn. It appears on strike up to two thousand (2,000) feet down the mountain but has not been worked.

As a professional geologist with over 35 years of experience, a small mining operation should begin immediately shipping and processing from 20 to 200 tons per day (10 trucks hauling 23 tons per day) on a 6 day basis to Cuzco. At the same time, mine pit geologist and assistant should map out the skarn by trenching at right angles across the strike of feature.

The	appropriate	value	of min	eralization	from	these	on p	per ton	basis	would b	e:

Mineral	<b>Concentration Amount</b>	Value per ton
Copper	600 pounds / ton	\$1,800
Gold	0.1 ounces / ton	\$130
Lead	50 pounds / ton	\$50
Silver	2 ounces / ton	\$50
Cobalt	2 pounds / ton	\$10

It appears that the deposit is oxidized ore and it should be removed by excavator and backhoes. It could need explosives and drills going deeper in the pit. It is fortunate that the deposit is almost all covered and exposed in a small area. If it had more opening then the mine would have been acquired by a senior mining company for development, and then no opportunity would be available. It is possible to entice a major company once reserves are proven up for the expected larger deposit. Shoreham Resources, Inc. has discovered one of the biggest gold/silver mines in the Zacatecas state in Mexico. Our geologist found a small outcrop like La Luz which was covered by 50 feet of erosional material. I let the property/concession go as it would have had to drill cost over 10 million dollars to determine where the mineralization went if any. A subsidiary of Kenncott Mining Company acquired the property from my geologist's work and drilled the property and determined it was a world class mine that had tremendous value, and now is in operation as an open pit operation. The La Luz property could be like this, but the good thing is that the cost of trenching drilling is low and could be done to evaluate property before the end of this year.

This property could be a world class property, except the total ore proven reserves are extremely small at this time and need a trenching and drilling program to increase the size. Once the production begins and its stabilized and ore processors and smelter should be installed in the mine to make operation more efficient and profitable.

Based on mapping and measuring of the workings by previous mining operations, approximately 6,000 tons have been removed and sent to process at smelter in Cuzco area with very little tailings (blank) produced less than 100 tons which indicates this was easy to determine the high grade ore.

Utilizing this information regarding the size of workings, and analysis of the sampling of the remaining ore, a minimum of 10,000 tons of very high grade copper and gold ore is readily available for extraction. This is a very good mine and ready for positive cash flow.

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Thomas W. Sieh Geologist Shoreham Resources, Inc. Guly 31, 2013





PRG.S.A. La Luz Project



Julio 2013

## COPPER MOUNTAIN INITIAL GEOLOGIC DATA PROVIDED BY SHOREHAM RESOURCES, INC.



Diorite is actual intrusion (Batholic) that carries the gold and copper in liquid form. Water cools the zone in the surrounding shale and limestone beds (metamorphic) and cools, becoming a solid at certain temperatures, which makes the deposit rich in gold, copper, etc.

Copper Mountain shows indications (10' of till at workings) of glacial till, which eroded some of the Batholic and exposed the skarn. The area is covered by till and topsoil hiding the true extent of the mineralization. Given the size of the Batholic in this area, it can be assumed that other skarns are present.

Thomas W. Sieh - Geologist Shoreham Resources, Inc. 2000 West Loop North, Suite 105 Houston, Texas 77018



## Certificate of Verification

## FXL-75956

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Readi Mode Time Durat Units Flags SAMF LOCA	tion	612 Soil 2013-06-1 180.56 ppm 8mm Pulverized LaLuz #2	
	ppm	±	Error
Au Ag Cu NP Fe S Pd S S Cd O Z r S S W Z C M C V Ti a K	< LOD 114.074 367075.750 < LOD 2290.139 1551416.500 47582.410 15.270 291.446 333.353 20.734 < LOD < Starteree < LOD < LOD < LOD < LOD < LOD < LOD < Starteree < LOD < Starteree < Startereee < Starteree < S	: ± ± : : : ± ± ± ± ± ± : : : ± ± : : : ± ±	12.953 $14.311$ $494.964$ $92.994$ $34.181$ $1606.578$ $1512.321$ $6.426$ $26.465$ $29.725$ $11.398$ $3.201$ $2.871$ $2.512$ $6.500$ $191.442$ $119.287$ $598.872$ $206.061$ $37.728$ $32.370$ $103.383$ $214.595$ $141.409$
Sb Ba Hg	57.911 457.137 310.524	± ± ±	20.633 63.631 28.193
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Supervised By:



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## FXL-75956

Reading Mode Time Duration Units Flags		613 Soil 2013-06-11 180.59 ppm 8mm	12:21	
SAMPLE		Rock B		
LOCATI	ON	LaLuz #2		
	ppm	±	Erro	r
Au	< LOD	:	12.64	
Ag	128.188	±	16.90	
Cu	664231.875	±	713.84	9
Ni	< LOD	:	99.42	
Pb	193.491	±	15.94	
Fe	1251379.000	±	1547.56	
S	123872.359	±	2089.56	3
Pd	20.629	±	7.81	
As	118.820	±	12.18	
Sn	315.456	±	33.35	and the second s
Cd	43.021	±	14.37	4
Мо	< LOD	:	3.43	9
Zr	< LOD	:	4.07	
Sr	63.125	±	3.12	8
Se	109.799	±	7.15	5
W	< LOD	:	274.51	0
Zn	< LOD	:	170.71	7
Go	< LOD	:	580.87	9
Mn	644.396	±	138.04	
Cr	75.610	±	19.52	5
V	< LOD	:	22.47	4
Ti	< LOD	:	70.34	7
Ca	< LOD	:	77.08	0
К	568.853	±	112.38	8
Sb	67.062	±	23.94	7
Ba	466.595	±	72.38	4
Hg	557.281	±	39.94	6
Supervi	sed By:	ert Lynn		igitally signed by Robert Ly N: cn=Robert Lynn Miller, o istruments, email=roberLly ate: 2013.07.15 21.09:00 -0





# Certificate of Verification

## FXL-75956

Readin Mode Time Duratio Units Flags SAMPL LOCAT	on E	614 Mining 2013-06-1 210.00 ppm 8mm Rock B LaLuz #2	1 12:27
	ppm	±	Error
Au	39.137	±	20.302
Ag	84.843	±	13.124
Cu	366968.219	±	2604.619
Ni	108.584	±	38.364
Pb	110.312	±	13.011
Fe	282171.313	±	927.392
S	302360.844	±	1148.344
As	186.337	±	14.552
Sn	304.081	±	36.804
Cd	< LOD	:	14.551
Мо	12.102	±	2.980
Nb	< LOD	:	3.622
Zr	< LOD	:	5.192
Y	< LOD	:	3.004
Sr	83.717	±	3.806
Se	36.341	±	6.904
W	< LOD	:	83.240
Zn	434.024	±	66.774
Со	< LOD	:	172.580
Mn	329.246	±	84.436
Cr	< LOD	:	233.369
V	< LOD	:	583.080
Ti	< LOD	:	573.329
Ca	< LOD	:	218.734
K	< LOD	:	234.179
Sb	< LOD	:	31.689
Ba	< LOD	:	142.270
CI	2150.414	±	70.348
Р	< LOD	:	186.332
Si	8612.861	±	284.312
Bal	27188.188	±	4432.423
Superv	rised By:	ert Lynn	Digitally signed by Robo Dit crisRobert Lynn Mil Analytical Instruments, Date: 2013.07.15 21:09+





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#### XL3t-82399

Reading No Mode Time Duration Units Sigma Value Sequence Flags SAMPLE LOCATION NOTE User Login		633 Mining 2013-06-11 09: 210.00 % 2 Final Rock A-1 LaLuz #2 Superchemist	26
	%	±	Error
Au Ag Cu S Pb Fe Nas Al Sn Pd Mob Zr Sr Bi Seb W Zn Cd Ba Con Cr V Ti CK P Si Cl Bal	< LOD 0.030 0.206 26.444 57.266 3.308 0.110 6.489 2.079 0.022 0.007 < LOD < LOD < LOD < LOD < LOD < LOD < LOD 0.026 < LOD 0.027 0.018 < LOD 0.027 0.018 < LOD 0.027 0.018 < LOD 0.027 0.0369 < LOD 0.022 < LOD 0.022 < LOD 0.022 < LOD 0.025 < LOD 0.027 0.022 < LOD 0.027 0.026 < LOD 0.026 < LOD 0.026 < LOD 0.027 0.026 < LOD 0.026 < LOD 0.026 < LOD 0.026 < LOD 0.026 < LOD 0.022 < LOD 0.028 < LOD	·· * * * * * * * * * * * · · · · · *	0.026 0.004 0.010 0.212 1.279 0.079 0.011 0.163 0.175 0.006 0.002 0.001 0.002 0.001 0.002 0.004 0.005 0.004 0.005 0.004 0.005 0.004 0.023 0.023 0.023 0.024 0.023 0.024 0.023 0.024 0.023 0.024 0.023 0.024 0.023 0.024 0.023 0.024 0.025 0.024 0.023 0.024 0.025 0.024 0.025 0.024 0.023 0.024 0.025 0.024 0.023 0.024 0.025 0.024 0.023 0.024 0.025 0.024 0.025 0.024 0.025 0.024 0.025 0.024 0.025 0.024 0.025 0.024 0.025 0.024 0.023 0.025 0.026 0.026 0.026 0.026 0.026 0.026 0.026 0.026 0.026 0.026 0.026 0.026 0.026 0.026 0.026 0.027 0.026 0.0270
Supervised By	y: Rob	ert Lynn Mille	Digitally signed by Robert Lynn M Dit cn-Robert Lynn Miler, or The Instruments, email-robert Jynnam Date: 2013.07.15 19:54:24-04007





# Certificate of Verification

#### XL3t-82399

Reading No Mode Time Duration Units Sigma Value Sequence Flags SAMPLE LOCATION NOTE User Login	638 Soil 2013-06-1 180.00 ppm 2 Final Rock B LaLuz #2 Superchen	
ppn	n ±	Error
Au 34.00 Ag 74.95 Cu 796005.56 S 5895.61 Pb 8536.06 Fe 1795971.37 Ni 712.56 As 1373.71 Sn 247.15 Pd < LOU Mo < LOU Zr < LOU Cr < 13.27 ·Se 63.59 Sb 159.58 W < LOU Cd < LOU Cd < LOU Ba 1121.23 Co < LOU Mn 53425.344 Cr 63.82 V < LOU Ti 443.63 Ca < LOU K 1567.71 Hg 400.34 Sc < LOU K 1567.71	3 3 8 3 5 5 4 8 0 0 0 2 8 1 0 0 0 4 0 0 7 0 9 0 6 9 0	$\begin{array}{c} 20.327\\ 22.317\\ 1430.922\\ 590.896\\ 117.186\\ 3301.465\\ 87.768\\ 95.341\\ 36.759\\ 35.675\\ 6.241\\ 7.719\\ 4.222\\ 12.889\\ 35.455\\ 422.662\\ 281.467\\ 34.681\\ 119.529\\ 1458.231\\ 747.873\\ 23.894\\ 51.455\\ 81.836\\ 109.160\\ 171.778\\ 52.799\\ 22.192\\ 30.616\end{array}$



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#### XL3t-82399

Reading No Mode Time Duration Units Sigma Value Sequence Flags SAMPLE LOCATION NOTE User Login	639 Soil 2013-06-11 11:56 180.00 ppm 2 Final Rock B - pulverized LaLuz #2 Superchemist
ppm	± Error
Au25.210Ag130.509Cu $355235.438$ S29534.004Pb4143.548FeI/91869.875Ni462.182As754.324Sn317.369Pd40.416Mo6.577Zr< LOD	$\begin{array}{ccccc} \pm & 14.729 \\ \pm & 23.981 \\ \pm & 825.487 \\ \pm & 1322.600 \\ \pm & 70.944 \\ \pm & 2843.372 \\ \pm & 68.272 \\ \pm & 58.032 \\ \pm & 36.507 \\ \pm & 25.844 \\ \pm & 3.878 \\ \vdots & 4.879 \\ \pm & 3.364 \\ \pm & 10.209 \\ \pm & 31.673 \\ \vdots & 248.894 \\ \vdots & 170.360 \\ \vdots & 32.904 \\ \pm & 106.694 \\ \vdots & 1270.800 \\ \pm & 489.482 \\ \pm & 26.682 \\ \pm & 26.682 \\ \pm & 51.430 \\ \vdots & 116.999 \\ \pm & 220.207 \\ \pm & 125.502 \\ \pm & 32.398 \\ \vdots & 47.590 \end{array}$



Supervised By:

By: Robert Lynn Miller



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## XL3t-82399

Readin Mode Time Duratic Units Sigma Sequer Flags SAMPL LOCAT NOTE User Lo	on Value Ince E ION	640 Soil 2013-06-1 180.00 ppm 2 Final Rock B-1 LaLuz #2 Supercher	
	ppm	±	Error
Au	53,244	±	11.777
Aq	167.246	±	30.376
Cu	727222.563	±	1267.318
S	84878.930	±	2000.331
Pb	113.803	±	16.912
Fe	1382974.750	±	2679.884
Ni	< LOD	:	113.673
As	150.697	±	15.867
Sn	372.368	±	44.881
Pd	< LOD	:	43.152
Мо	9.390	±	4.280
Zr	< LOD	:	4.982
Sr	18.017	±	3.533
Se	149.042	±	11.174
Sb	129.935	±	38.183
W	< LOD	:	374.842
Zn	< LOD	:	260.623
Cd	69.965	±	29.090
Ba	928.951	±	126.860
Co	< LOD	÷	1221.211
Mn	1199.257	±	234.377
Cr	< LOD	:	28.475
V	< LOD < LOD	:	37.459
Ti Ca	< LOD	:	78.147
K	335.502	: ±	102.467
к Hg	434.502	±	47.311
Sc	434.502 < LOD	± :	17.565
Cs	230.160	±	32.662

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#### FXL-75956

Reading I Mode Time Duration Units Flags SAMPLE LOCATIO		602 Mining 2013-06-1 215.88 ppm 8mm Rock piece LaLuz #2		
	ppm	±	Erro	or
Au	2525.647	±	291.10	08
Ag	371.226	±	52.23	33
Cu	3941.564	±	120.24	16
Ni	1909.014	±	91.91	18
Pb	591001.563	±	12439.01	14
Fe	58927.461	±	1177.47	76
S	< LOD	:	1667.62	25
As	57831.246	±	1349.87	75
Sn	297.894	±	93.73	31
Cd	281.076	±	50.38	33
Мо	< LOD	:	20.88	33
Nb	1044.022	±	31.89	92
Zr	< LOD	:	51.04	12
Y	< LOD	:	174.41	13
Sr	< LOD	:	40.13	32
Se	< LOD	:	86.86	52
W	< LOD	:	895.51	LO
Zn	902.993	±	67.54	19
Co	< LOD	:	228.66	57
Mn	4416.904	±	489.51	14
Cr	< LOD	:	521.96	53
V	< LOD	:	953.52	22
Ti	< LOD	:	1267.55	50
Ca	< LOD	:	397.97	78
К	< LOD	:	469.80	9
Sb	460.986	±	85.31	15
Ba	< LOD	:	393.35	53
CI	13827.351	±	274.19	8
Р	< LOD	:	488.72	23
Si	30888.549	±	628.04	15
Bal	152795.359	±	16609.29	91
Supervise	Rob	ert Lynn		Digitally signed by Robert Lynn A DN: cn=Robert Lynn Miller, o=Th Instruments, email=robert Jynn.n Date: 2013.07.15 21:08:10 -04:00'



# **Revised Picchu Rio Samples analyzed on Desktop FXL**



Reading:602Mode:MiningSample:Rock Piece ALocation:La Luz #2Pb:591001 ppm or 59.1% LeadCu:3941 ppm or 0.3% Cu

Au: 2525 ppm or 0.2% Au Fe: 58927 ppm or 5.8% Fe

This was a solid rock sample that was made up of primarily Lead. Because the lead concentration was so high on the surface of the rock, which may have contributed to the Au reading being "high".



This was a Solid Rock B sample that was pulverized, therefore you were getting a homogenous, a more representative sample of the rock. As such, the calculated Cu concentration of 36.7% is in line with Tom's expectations.



Read	ing:	613		
Mode	e:	Soil		
Samp	ole:	Rock B		
Locat	tion:	La Luz #2		
Cu:	6642	31 ppm or 66.4% Cu	S:	123872 ppm or 12.4%
S				
Fe:	2513	79 ppm or 25.1% Fe	Au:	<lod< td=""></lod<>

This was a Solid Rock Sample in which the **Surface** of the solid rock was sampled. Soil mode was chosen to try and find Au using a smaller calibration range. Soil mode is calibrated from 0-2%. Based on the fact that the actual concentration of Cu was much higher than the 0-2% Soil Calibration Range, and that the Soil Mode uses a calibration based upon the Compton Noise, the estimation of the Cu concentration was not accurate. You usually never use the Soil Mode for a Hard Rock Sample.



Readi	ing:	614
Mode	:	Mining
Samp	le:	Rock B
Locat	ion:	La Luz #2
Cu:	36690	58 ppm or 36.7% Cu
S		
Fe:	2821	71 ppm or 28.2% Fe
Au		

S: 302360 ppm or 30.2%

Au: 39 ppm +/- 20 ppm

This was a Solid Rock Sample in which the **Surface** of the solid rock was sampled. Mining mode was selected because it is the most accurate calibration for Solid Rock samples. You can see that the Cu values are more in line with the pulverized samples.

# Picchu Rio Gold Sample Analyses - Handheld XRF



Reading:		633	
Mode:		Mining	
Sample:		Rock A-1	
Location:		La Luz #2	
Pb:	57.3%		
S:	26.4%		

This solid Rock Piece was very shiny and showed that it was basically Lead Sulfide with small amounts of Fe and As. The Mining Mode was exactly the mode that should have been used and provides a pretty accurate number for the principal elements.



Reading:	633	
Mode:	Mining	
Sample:	Rock A-1	
Location:	La Luz #2	

Cu: 796005 ppm or 79.6% Cu Fe: 795971ppm or 28.279.6% Fe Au S: 5895ppm or 0.5% S Au: 34 ppm +/- 20 ppm

This was a Solid Rock Sample in which the **Surface** of the solid rock was sampled. Soil mode was chosen to try and find Au using a smaller calibration range. Soil mode is calibrated from 0-2%. Based on the fact that the actual concentration of Cu and Fe was much higher than the 0-2% Soil Calibration Range, and that the Soil Mode uses a calibration based upon the Compton Noise, the estimation of the Cu and Fe concentration was not accurate. You usually never use the Soil Mode for a Hard Rock Sample.



 Reading:
 639

 Mode:
 Soil

 Sample:
 Rock B – Pulverized

 Location:
 La Luz #2

 Cu:
 355235 ppm or 35.5% Cu

 29.5% S
 Fe:

 Fe:
 791869 ppm or 79.2% Fe

 ppm

S: 29534 ppm or Au: 25.2 +/- 14

This was a Solid Rock B sample that was pulverized, therefore you were getting a homogenous, a more representative sample of the rock. As such, the calculated Cu concentration of 35.5% is in line with Tom's expectations. Fe was also quite, may need a correction factor to compensate.

Reading:	640		
Mode:	Soil		
Sample:	Rock B-1		
Location	: La Lutz #2		
Cu: 7	27222 ppm or 72.7% Cu	<i>S:</i>	84878 ppm or 8.5% S
Fe: 3	82974 ppm or 38.3% Fe	Au:	53 ppm +/- 11.7 ppm

This was a Solid Rock Sample in which the **Surface** of the solid rock was sampled. Soil mode was chosen to try and find Au using a smaller calibration range. Soil mode is calibrated from 0-2%. Based on the fact that the actual concentration of Cu was much higher than the 0-2% Soil Calibration Range, and that the Soil Mode uses a calibration based upon the Compton Noise, the estimation of the Cu concentration was not accurate. You usually never use the Soil Mode for a Hard Rock Sample.

Basically, the data obtained by the Handheld and Desktop XRF are accurate if you prepare the sample via the Hammer Mill prior to sampling. Sample Powders are particularly useful in getting additional information, especially lighter elements.

I am sure the samples you had run at Otro labs were done by ICP. That technique:

Requires samples to be homogenized

Requires sample to mixed minimum 5:1 with binder such as Lithium
Borate

Sample is then melted with binder, then extracted with Acid,

• Acid is introduced into a plasma flame for element detection and identification.

Hopefully, now you can see how the data of the XRF are generated and why some of the numbers are somewhat dry.

If you have any questions, feel free to contact me.

Thanks,

Robert

Robert Lynn Miller Technical Sales Engineer Thermo Scientific Portable Analytical Instruments