

Ministry of Energy and Mines
BC Geological Survey

Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Drilling

TOTAL COST: \$10 000

AUTHOR(S): John Wesley Moll

SIGNATURE(S):

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): N/A

YEAR OF WORK: 2011

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5313033

PROPERTY NAME: China Knows

CLAIM NAME(S) (on which the work was done):

COMMODITIES SOUGHT: Ag, Au, Cu, Zn, Pb

MINERAL INVENTORY MIN(ILE NUMBER(S), IF KNOWN: 093L048

MINING DIVISION: Omineca

NTS/BCGS: 093L048

LATITUDE: 54 ° 26 '56 " LONGITUDE: 126 ° 25 '3 " (at centre of work)

OWNER(S):

1) John Wesley Moll

2)

MAILING ADDRESS:

PO box 1182, Houston BC, V0J1Z0

OPERATOR(S) (who paid for the work):

1) Self

2)

MAILING ADDRESS:

O Box 1182 Houston BC, V0J1Z0

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):

The property is underlain by Lower Jurassic Hazelton Group Volcanics. Specular hematite, barite, copper, zinc, lead and silver occur as fracture filling, disseminations and veins in the rhyolites, dacites and andesites.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 5288, 6427, 11504, 15408, 15489, 17154

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil			
Silt			
Rock			
Other			
DRILLING (total metres: number of holes, size)			
Core	23.1 meters	Tenure#553561. China Knows	
Non-core			
RELATED TECHNICAL			
Sampling/assaying	Assaying	Same as abpve	
Petrographic			
Mineralogaphic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
TOTAL COST:			\$10 900

ASSESSMENT REPORT

FOR THE 2011

BC Geological Survey
Assessment Report
33185

DRILLING REPORT OF

CHINA KNOWS-553561

MINERAL CLAIMS

SITUATED IN THE OMENICA

MINING DIVISION

LATITUDE: 54° 26' 56" N

LONGITUDE: 126° 25' 3" W

OWNED BY: JOHN WESLEY MOLL

**WORK DONE BY: JOHN WESLEY MOLL,
MARY JEAN MOLL AND RICHARD WESLEY
MOLL**

REPORT BY: JOHN WESLEY MOLL

TABLE OF CONTENTS

INTRODUCTION

Location and access.....	pg. 1
Claim history.....	pg. 1
Status	pg. 1
Purpose.....	pg. 2
Procedure.....	pg. 2
CONCLUSION.....	pg. 2
DRILL LOG.....	pg. 6
MIKE AZIZ'S QUALIFICATIONS.....	pg. 7
ASSAY.....	pg. 8
STATEMENT OF EXPENDITURES.....	pg. 9
AUTHOR'S QUALIFICATIONS	pg. 10
CROSS SECTION.....	pg. 11

MAPS

Regional property location map.....	pg. 3
China Knows claim map.....	pg. 4
Diamond drill hole location map.....	pg. 5

Location and Access: The China Knows mineral claims are located 9.3 km from Topley BC, and may be accessed by traveling south from Topley on the Sunset Lake Road to the 5 km sign. The road then becomes the Sunset Forest Service Road. Continue on the road for another 3.9 km. At this point you are on the China Knows mineral claims.

Claim History: The China Knows claim group has experienced exploration from the early 1970's to the present day. Exploration includes soil sampling, prospecting, trenching, IP surveys and 4 diamond drill holes. Previous work reports are: 1974-259, 1977-E194, 1983-442, 1987-C303, 1988-C169. Assessment reports 5288, 6427, 11504, 15408, 15489 and 17154.

Status: The work was performed on China Knows (Tenure #553561). The work was performed by John Wesley Moll, Mary Jean Moll and Richard Wesley Moll. All of whom reside in Houston BC. The drill log was performed by Mike Aziz of Houston BC. With the acceptance of this assessment report the mineral claims will be in good standing as follows:

China Knows-553561	2015/jan/01
China Knows 7-859867	2015/jan/01
China Knows 6-858247	2015/jan/01
China Knows 12-608463	2015/jan/01
China Knows 4-584880	2015/jan/01
China Knows 3-555415	2015/jan/01
China Knows 3-565612	2015/jan/01
China Knows 6-591612	2015/jan/01

PURPOSE: To test a newly discovered mineralised outcrop.

PROCEDURE: A trail was cut out to allow access for an X-Ray drill. The drill was then hauled to the site with an A.T.V. and a trailer. Water was hauled to the drill site. Anchor holes were drilled in the rock to hold the drill in place and a meter of casing was drilled. Then a 90 degree hole was drilled for 23.1 meters. The core was delivered to Mike Aziz of Houston B. C. to be logged. The last .6 of a meter was assayed.

CONCLUSION AND RECOMENDATIONS: Mineralization was sparse. However the last .6 of a meter was anomalous in AS, SB. It also had 1512 PPB AU. The recommendation is to return to the site and deepen the hole to see if the gold mineralization continues at depth. Also to assay some of the core further up the hole.

China Knows Location



- ### Legend
- Provincial Boundary (1:6M)
 - Boundary (International)
 - Boundary (Interprovincial)
 - NTS Grid
 - Transportation - Lines (1:6M)
 - Road - Trunk
 - Road - Main
 - Rail Line
 - Water - Lines (1:6M)
 - River/Stream - Definite
 - Lake - Definite
 - Island - Definite
 - Coastline - Definite
 - Major Cities

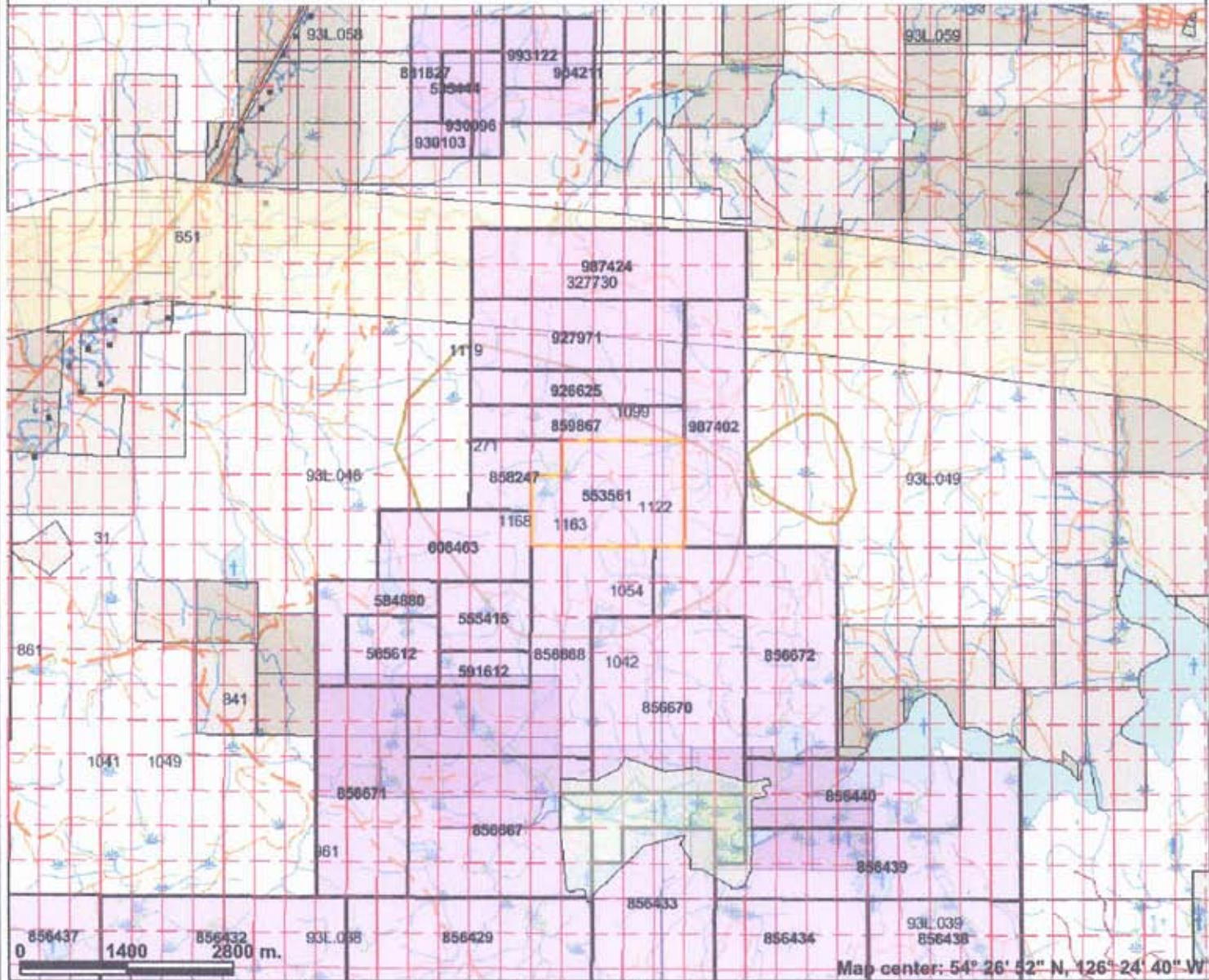
0 250 500 km.

Map center: 54°20' N, 125°25' W

Scale: 1:13,704,670

This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

China Knows



Legend

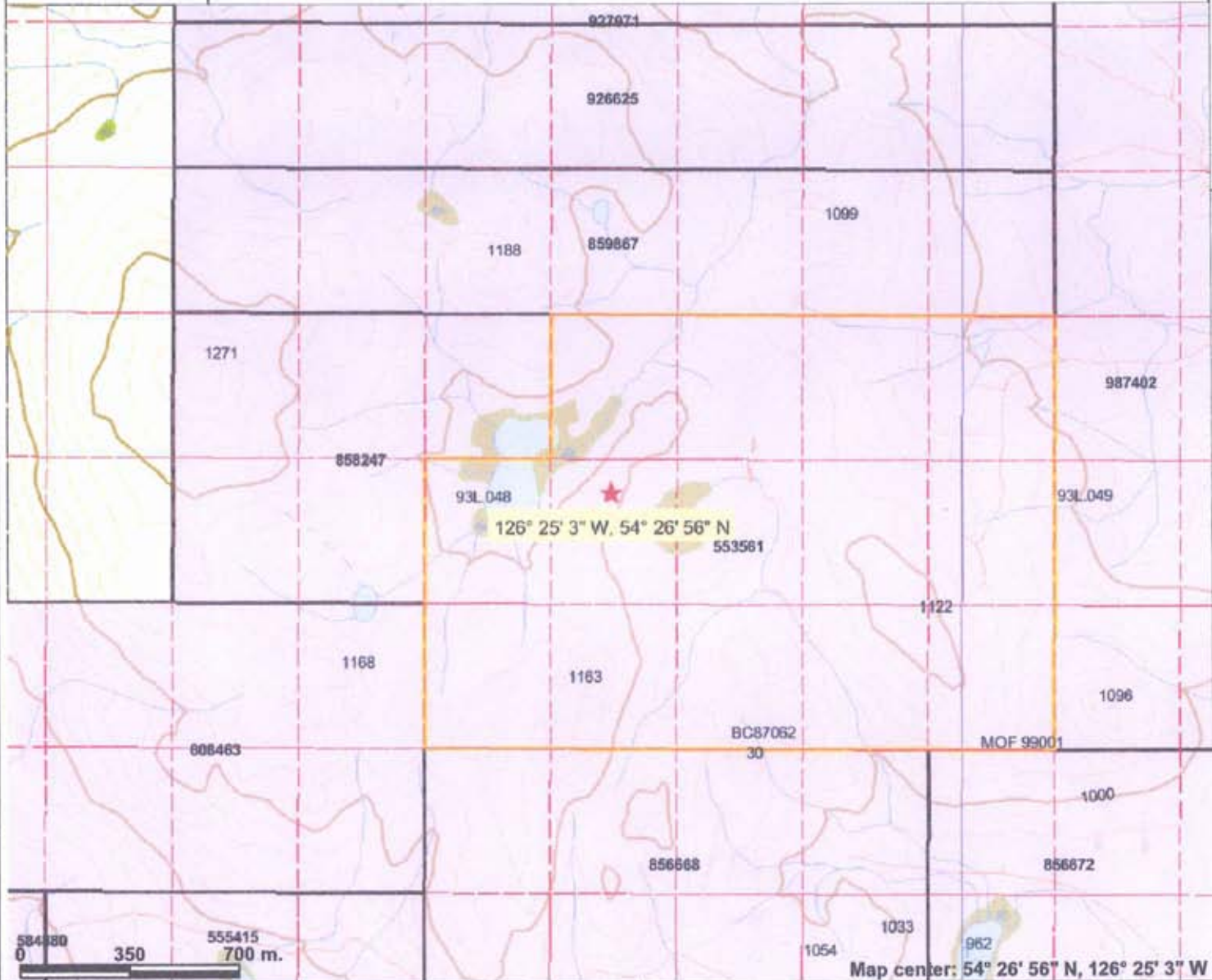
- Indian Reserves
- National Parks
- Conservancy Areas
- Parks
- Federal Transfer Lands
- MTO Grid (MTO)
- Mineral Tenure (current)
- Mineral Claim
- Mineral Lease
- Mineral Reserves (current)
- Placer Claim Designation
- Placer Lease Designation
- No Staking Reserve
- Conditional Reserve
- Release Required Reserve
- Surface Restriction
- Recreation Area
- Others
- First Nations Treaty Related Lands
- First Nations Treaty Lands
- Survey Parcels
- BCGS Grid
- Contours (1:250K)
- Contour - Index
- Contour - Intermediate
- Area of Exclusion
- Area of Indefinite Contours
- Transportation - Points (TRIM)
- Halipad
- Transportation - Lines (TRIM)

Scale: 1:79,337

This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Map center: 54° 26' 52" N, 126° 24' 40" W

China Knows-Drillsite Location



Legend

- Indian Reserves
- National Parks
- Conservancy Areas
- Parks
- Federal Transfer Lands
- MTO Grid (MTO)
- Mineral Tenure (current)
 - Mineral Claim
 - Mineral Lease
 - Mineral Reserves (current)
 - Placer Claim Designation
 - Placer Lease Designation
 - No Staking Reserve
 - Conditional Reserve
 - Release Required Reserve
 - Surface Restriction
 - Recreation Area
 - Others
- First Nations Treaty Related Lands
 - First Nations Treaty Lands
 - Integrated Cadastral Fabric
 - Survey Parcels
 - BCGS Grid
 - Contours (TRIM)
 - Contour - Index
 - Contour - Index.Indefinite
 - Contour - Index.Depression
 - Contour - Index.Depression Indefinite
 - Contour - Intermediate
 - Contour - Intermediate.Indefinite
 - Contour - Intermediate.Depression

Map center: 54° 26' 56" N, 126° 25' 3" W

Scale: 1:19,357

This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

LATITUDE	54° 26' 56" N	Amuth	Inclin	Notes
LONGITUDE	126° 25' 3" W		90°	Depth: 23.1 Meters

CHINA KNOWS HOLE #5 2011

China Knows Hole #5
2010

#	Start	Finish	core recovery	Lithology	Description
L001	0.75 m	1.4 m	good recovery	mafic volcanic	dark grey-green medium grained mafic volcanic (basalt likely). Minor to common rounded calcite filled voids with chloritic rims. Chloritic alteration of feldspar plagioclase. Moderately magnetic fine grained dark grey/black mineral (most likely magnetite). Trace irregular patches (replacement) of dark red coppery hematite, trace pyrite disseminated.
L002	1.4 m	1.7 m	good recovery	mafic volcanic	Light brown-grey medium grained mafic volcanic. Grading from unit one with contact at 60° to core axis (TCA). alteration contact change over interval from units one & three. Thin irregular veinlets of orange siderite throughout interval, indicating change in alteration. Moderately magnetic with rare hematite blebs, rare calcite blebs. Bottom contact at 20° TCA indicated by boundary of siderite alteration. No visible sulphides.
L003	1.7 m	5.9 m	good recovery	mafic volcanic	Dark grey-green medium grained mafic volcanic. Like unit one. Moderate to common carbonate (irregular) shaped (filled-most rimmed with chlorite and some with epidote rims and vein blebs). Trace quartz ovoid inclusions, alteration? White with orange lining. Some sections have intense carbonate ovoids + veinlets and veins. Trace chalcopyrite blebs within 3.07m and 3.1 m associated with calcite veining. Calcite veining at 50° TCA, trace chalcopyrite veinlets associated with carbonate veinlets. Magnetic throughout and fine grained grey/black magnetite. Trace siderite alteration associated around margins of larger calcite veins, also trace pyrite veinlets with siderite. Large quartz vein near end of interval at 70° TCA. No sulphides associated with vein.
L004	5.9 m	12.3 m	good recovery	mafic volcanic	Dark grey-green. Fine to medium grained mafic volcanic. Minor carbonate ovoids smaller and less frequent. Trace to minor carbonate veinlets. A few small intervals with moderate carbonate (small) blebs. Moderately magnetic throughout interval, fine grained blackish magnetite. Minor reddish copper colored irregular blebs, infilling hematite likely. No chalcopyrite observed in this interval.
L005	12.3 m	13 m	poor recovery	mafic volcanic	Dark grey fine to medium grained mafic volcanic. Trace fine grained calcite blebs and ovoids much less than previous units. Upper contact with unit 4 is based on grain size fairly abrupt decrease in grain into unit 5 plus reduction in carbonate content. Lower contact not observed as core recovery poorer with many broken pieces. Magnetic throughout unit fine grained magnetite, trace to minor hematite. No chalcopyrite observed in unit.
L006	13 m	21.3 m	good poor	mafic volcanic	Dark grey grading to grey/tan at bottom of interval. Medium grained mafic volcanic with chloritic alteration. Moderate to common carbonate blebs, ovoids and trace veinlets. Trace siderite veinlets, siderite associated with calcite in blebs and ovoids. Minor trace quartz blebs and one vein (at 70-75° TCA) at 19.3 m. No sulphides associated with vein. Moderately magnetic throughout interval fine grained silver/black magnetite. Sections with poorer recovery but most of this interval was good recovery. Trace, very fine grained pyrite disseminated in zones. No chalcopyrite observed in interval.
L007	21.3 m	21.9 m	good recovery	mafic volcanic	Grey/green grading to light grey/orange at bottom of lower contact. Medium grained throughout. Mafic volcanic with chloritic alteration and small interval of strong felsic/felsic alteration at lower end of interval. Strong lower contact based on felsic alteration-60° TCA-sharp, intact contact-upper boundary of felsic alteration not as apparent- rather grades into felsic from chloritic or missing in core. Moderately magnetic throughout interval, no visible sulphides, magnetite present.
L008	21.9 m	22.5 m	good recovery	mafic volcanic	Medium grained green mafic volcanic with chloritic alteration. Grading at lower contact to light green finer grained mafic volcanic with chloritic alteration. Moderately magnetic to 22 m then non-magnetic to end of interval- loss of magnetite due to alteration? Moderate to trace carbonate veinlets, trace quartz veinlets. Fine grained grey metallic mineral (sphalerite) near bottom of interval and disseminated up to 3% some with purple tinge but very small and difficult to identify. Trace subhedral pyrite crystals at bottom of interval.
L009	22.5 m	23.1 m	good recovery	strongly altered mafic volcanic	Tan to white/grey fine grained matrix with remnant plagioclase crystals and minor quartz crystals-very strong alteration has obliterated much of the rock texture-minor to moderate chloritic blebs remain. Non-magnetic throughout interval. Quartz veins and veinlets minor to moderate with pyrite blebs and subhedral cubic crystals associated. Trace fine grained black mineral (unidentified) also associated with quartz veins and veinlets. Overall strong sericitic alteration with soft matrix. End of Hole.

AUTHOR'S QUALIFICATIONS

I, Michael L. Aziz, do hereby certify that:

1. I am a geoscientist residing in Houston, British Columbia.
2. I am a graduate of the University of Western Ontario, in London Ontario, obtaining my Honours Bachelor of Science in Geology in 1987.
3. I have been a practicing geoscientist continuously since 1987 in Ontario, Australia, and British Columbia.
4. The information contained in the drill logs is based on my personal observation of the drill core on Dec. 20/2011.
5. I have no interest in the China Knows property, either directly or indirectly, nor do I expect to receive any such interest.

Respectfully submitted,

A handwritten signature in black ink that reads "Mike Aziz". The signature is written in a cursive, slightly slanted style.

Michael L. Aziz, B. Sc.
Geoscientist



AcmeLabs

Acme Analytical Laboratories (Vancouver) Ltd.

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Client: **Richard Moll**
 P.O. Box 325
 Houston BC V0J 1Z0 Canada

Project: Mirvantex
 Report Date: February 20, 2012

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

SMI12000003.1

Method	WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	2	0.01	
1051101	Drill Core	0.35	0.43	122.1	11.85	697.0	793	17.7	27.4	>10000	6.66	144.6	0.4	1512	0.6	39.3	2.95	3.96	0.41	101	2.66

CERTIFICATE OF ANALYSIS

SMI12000003.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
Analyte	P	La	Cr	Mg	Ba	Tl	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	Cs	Ge	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	0.02	0.1	
1051101	Drill Core	0.079	5.4	9.8	2.63	65.4	0.002	9	0.70	0.011	0.33	<0.1	14.9	0.09	1.56	1839	<0.1	0.04	2.5	3.16	<0.1

CERTIFICATE OF ANALYSIS

SMI12000003.1

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	
Analyte	Hf	Nb	Rb	Sn	Ta	Zr	Y	Ce	In	Re	Be	Li	Pd	Pt	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppb	ppb	
MDL	0.02	0.02	0.1	0.1	0.05	0.1	0.01	0.1	0.02	1	0.1	0.1	10	2	
1051101	Drill Core	0.04	0.03	11.2	0.5	<0.05	0.9	13.86	12.2	0.11	<1	0.4	24.0	<10	4

Statement of expenditure

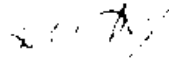
Clearing access 24 hrs @ \$30.00/hr	\$720.00
Mobe and Demobe 65 hrs @ \$30.00/hr	\$1950.00
Drilling 23 meters @ \$90.00/meter	\$2070.00
2 powersaws x 2 days @ \$35.00/day	\$140.00
Copeo drill 1 day @ \$100.00/day	\$100.00
2 4x4 trucks x 6 days @ \$100.00/day	\$1200.00
1 ATV four wheeler x 6 days @ \$150.00/day	\$900.00
Trailer x 6 days @ \$100.00/day	\$600.00
Water tank x 4 days @ \$100.00/day	\$400.00
Water tank driver + pump operator 4 days @ \$300.00/day	\$1200.00
Board @ \$40.00/day 18 man days	\$720.00
Logging core, splitting and Delivering to assay lab plus assay	\$400.00
Report prep	\$500.00
Total expenditures	\$10,900.00

AUTHOR'S QUALIFICATIONS

I, John Wesley Moll, do hereby certify that

- (1) I am a prospector and reside at 855 Highway #16 West, Houston, B C
- (2) I have more than 40 years of prospecting experience
- (3) I prepared this report

Respectfully submitted,



John Wesley Moll

Prospector

CHINA KNOWS 5-CROSS SECTION

54⁰ 26' 56" N 126⁰ 25' 3"AZIMUTH 90⁰

0.75M	
1.4M	.65 m of dark grey/green medium grained mafic volcanic
1.7M	.3 meters of brown/grey medium grained mafic volcanic
	5.2 meters of dark grey/green medium grained mafic volcanic
6.9M	5.4 meters dark grey/green fine to medium grained mafic volcanic
12.3M	.7 meters of dark grey fine to medium grained mafic volcanic
13M	8.3 meters of dark grey grading to light grey/orange at bottom of interval mafic volcanic
21.3M	
21.9M	.6 meters grey/green to light grey/orange medium grained mafic volcanic
22.5M	.6 meters medium grained mafic volcanic with chloritic alteration
23.1M	.6 meters tan to white/grey fine grained matrix Strongly altered mafic volcanic