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## **ASSESSMENT REPORT**

DESCRIBING A

**LiDAR AIRBORNE TOPOGRAPHIC SURVEY**

ON THE

**JACAL PROPERTY**

**JACAL CLAIMS: JACAL 1 – JACAL 52**

Claims are 100% owned by Selwyn Resources Ltd.

NTS Sheets 105J01 and 105J08

UTM Coordinates: 430500E – 434175E, 6901200N – 6904800N, Zone 9, NAD 83

In the Watson Lake Mining District  
Yukon Territory

Prepared by:

Matthew Jodrey, BScH, LLb

February 2010

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## **INTRODUCTION**

The Jacal property is 100% owned by Selwyn Resources Ltd. (“Selwyn”). The claims subject to this report (Table 1) were worked on between October 6<sup>th</sup> and October 13<sup>th</sup>, 2010 by an airborne LiDAR (Light Detection and Ranging) survey crew flying out of Watson Lake. The collection of topographic data with the LiDAR system for the creation of detailed maps of the property was the primary undertaking at this time.

## **ACCESSIBILITY, CLIMATE and PHYSIOGRAPHY**

The Jacal property is located in the Watson Lake Mining District in eastern Yukon on NTS Sheets 105J01 and 105J08, UTM Coordinates: 430500E – 434175E, 6901200N – 6904800N, Zone 9, NAD 83. Access into site is 258km by fixed wing survey aircraft from Watson Lake to the Jacal property. The survey was carried out for Selwyn by Dudley Thompson Mapping Corporation.

The Jacal property is situated in the Wolf Canyon area of the upper Pelly River valley, within a sub-alpine area of the Selwyn Mountains, at an elevation of 3000 – 5000 meters.

The Jacal property is part of the Pelly River watershed. Black spruce, alder, willow, buck brush, moss and lichen make up the vegetation on the property. The property is overlain by Pleistocene colluviums and glacial till.

## **LIST OF CLAIMS BY GRANT NUMBER BEING RENEWED**

Table 1. List of claims being renewed in this assessment report.

<b>Grant Number</b>	<b>Claim Name</b>	<b>New Expiry Date</b>
YC90591	JACAL 1	7/20/2015
YC90592	JACAL 2	7/20/2015
YC90593	JACAL 3	7/20/2015
YC90594	JACAL 4	7/20/2015
YC90595	JACAL 5	7/20/2015
YC90596	JACAL 6	7/20/2015
YC90597	JACAL 7	7/20/2015
YC90598	JACAL 8	7/20/2015
YC90599	JACAL 9	7/20/2015
YC90600	JACAL 10	7/20/2015
YC90601	JACAL 11	7/20/2015
YC90602	JACAL 12	7/20/2015
YC90603	JACAL 13	7/20/2015

YC90604	JACAL 14	7/20/2015
YC90605	JACAL 15	7/20/2015
YC90606	JACAL 16	7/20/2015
YC90607	JACAL 17	7/20/2015
YC90608	JACAL 18	7/20/2015
YC90609	JACAL 19	7/20/2015
YC90610	JACAL 20	7/20/2015
YC90611	JACAL 21	7/20/2015
YC90612	JACAL 22	7/20/2015
YC90613	JACAL 23	7/20/2015
YC90614	JACAL 24	7/20/2015
YC90615	JACAL 25	7/20/2015
YC90616	JACAL 26	7/20/2015
YC90617	JACAL 27	7/20/2015
YC90618	JACAL 28	7/20/2015
YC90619	JACAL 29	7/20/2015
YC90620	JACAL 30	7/20/2015
YC90621	JACAL 31	7/20/2015
YC90622	JACAL 32	7/20/2015
YC90623	JACAL 33	7/20/2015
YC90624	JACAL 34	7/20/2015
YC90625	JACAL 35	7/20/2015
YC90626	JACAL 36	7/20/2015
YC90627	JACAL 37	7/20/2015
YC90628	JACAL 38	7/20/2015
YC90629	JACAL 39	7/20/2015
YC90630	JACAL 40	7/20/2015
YC90631	JACAL 41	7/20/2015
YC90632	JACAL 42	7/20/2015
YC90633	JACAL 43	7/20/2015
YC90634	JACAL 44	7/20/2015
YC90635	JACAL 45	7/20/2015
YC90636	JACAL 46	7/20/2015
YC90637	JACAL 47	7/20/2015
YC90638	JACAL 48	7/20/2015
YC90639	JACAL 49	7/20/2015
YC90640	JACAL 50	7/20/2015
YC90641	JACAL 51	7/20/2015
YC90642	JACAL 52	7/20/2015

## **DESCRIPTION OF UNDERTAKINGS**

Mapping crews from Dudley Thompson Mapping Corporation conducted an airborne LiDAR topographic survey of the Jacal property between October 6<sup>th</sup> and October 13<sup>th</sup>, 2009. The mission involved flying numerous precise lines over the property, accumulating surface imagery data for detailed mapping purposes.

## **RESULTS**

The program provided Selwyn with high quality LiDAR geo reference imagery mosaics, 0.5 meter contours of the property, and ASCII point data containing x, y and z coordinates.

This data has enabled the construction of high-resolution maps and will continue to aid in the creation of high-resolution, extremely high-precision maps of the property.

Please refer to Figure 1 (attached) for an example of a high-resolution LiDAR imagery map with 5 meter contour intervals, produced with the data received through this project.

## **DISCUSSION AND CONCLUSIONS:**

The imagery and map produced through the data from this project will aid Selwyn in exploration activities. High resolution imagery will be valuable in the identification of surface features such as lineaments, which may be an indication of geological structures such as fault and shear zones. This will improve our overall understanding of the local geology, and aid in ongoing exploration activities. Detailed maps created as a result of this program will also assist in ongoing prospecting activities throughout the property.

The Jacal property should be maintained in good standing and warrants further geological, geochemical and geophysical exploration.

Respectfully Submitted,

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Matthew Jodrey, B.ScH., L.Lb.  
Geologist  
Selwyn Resources Ltd.

Vancouver, B.C., February 15<sup>th</sup>., 2010

## APPENDIX A

### STATEMENT OF EXPENDITURES

I, Matthew Jodrey, as agent for Selwyn Resources Ltd, #700-509 Richards Street, Vancouver, B.C. do solemnly declare that a LiDAR airborne topographic survey was carried out on the Selwyn Project Claims (see attached lists) between the dates of October 6th, 2009 and October 13, 2009.

<b>LiDAR Survey</b>	
Survey Cost	<b>\$ 31,881.72</b>
Total	<b>\$ 31,881.72</b>

I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath and by virtue of the Canada Evidence Act.

Declared before me at Vancouver in the Province of British Columbia this 3rd day of February 2010.

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Matthew Jodrey

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Notary Public



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## **APPENDIX B**

### **Statement of Qualifications**

I, Matthew Jodrey, resident of Vancouver, British Columbia, do certify that:

1. I graduated from Acadia University in Nova Scotia in May 2002 with a B.ScH. in Geology;
2. From June 2008 to present, I have been actively engaged in mineral exploration in the Yukon Territory and I am presently employed with Selwyn Resources Ltd.;
3. I have personally participated in assisting with the coordination of the LiDAR airborne survey carried out at the Jacal claims in October 2009.

Respectfully submitted,

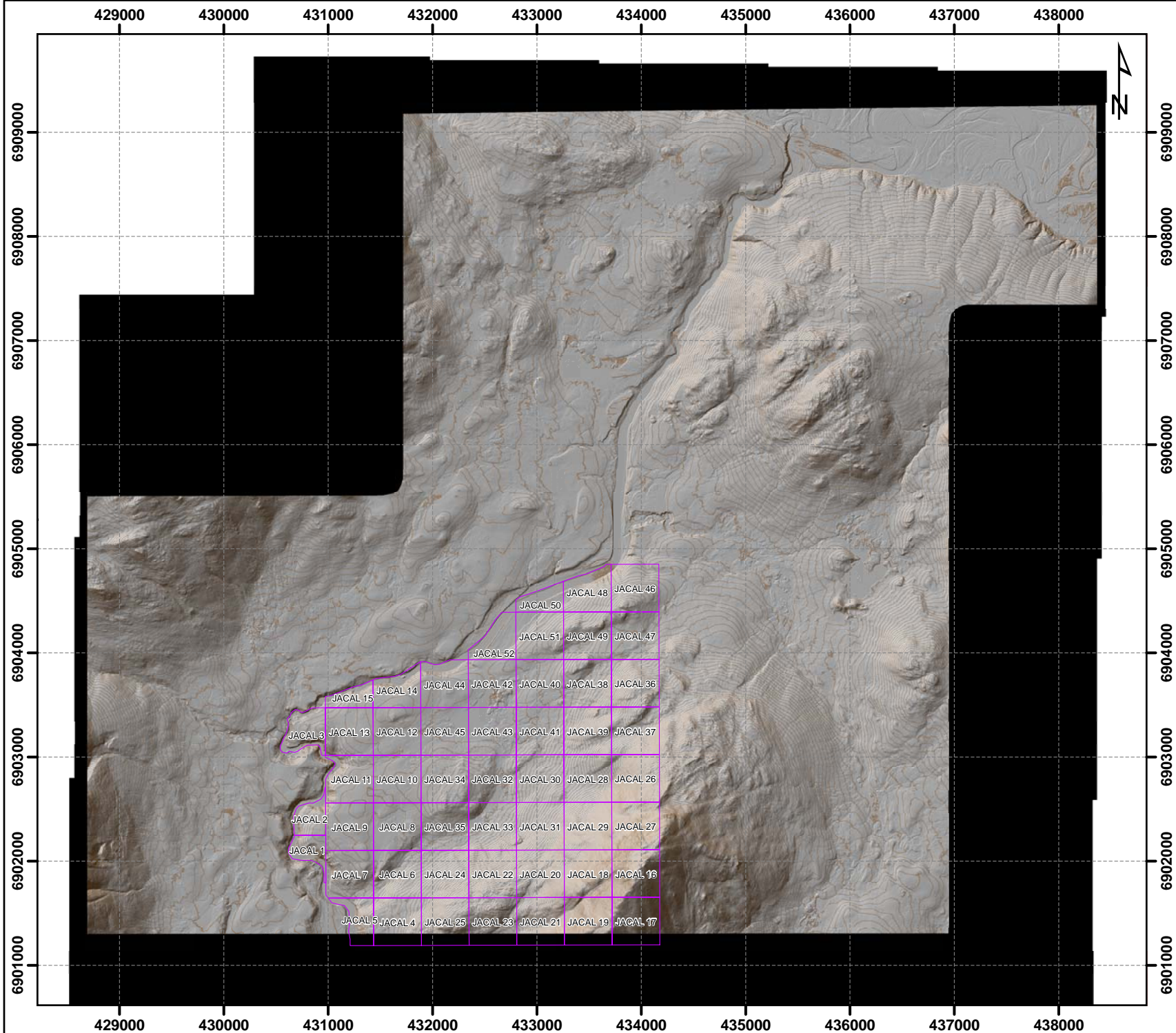
Matthew Jodrey, B.ScH., L.Lb

**FIGURE 1**

LiDAR Imagery Map of an area including the Jacal Property

(Next Page)





**Legend**

- Jacal Claims
- 5m LiDAR Contour

**LiDAR Imagery Value**

High : 254

Low : 0

Date: 2010/2/12  
 Author: M.Mayer  
 Office: Vancouver  
 Figure:  
 Scale: 1:50,000

**LiDAR Imagery:  
 Jacal Claims**

Filename: SL1710\_clms\_20100212\_LIDAR\_Jacal.mxd  
 Project Location: Watson Lake Mining District - NTS 105/U  
 Projection: NAD83 - UTM Zone 9