

2-49215

Assessment Work Report  
For Outcrop Exploration Ltd

By

Alan D Kon

Aug 15, 2011



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## Summary

An exploration program was undertaken on mining claims located in the Gillies Limit township, Larder Lake Mining Division Ontario, from June 27 to August 15, 2011. The work was performed on behalf of Outcrop Exploration Ltd.

This report covers work done including; prospecting, geological mapping, trenching and sampling on claims: 3002205, 1212225, 1217456, 1135379, 1247790, T25837, C1383.

## **Introduction**

This work program and report on the Gillies Limit properties, is on behalf of Outcrop Exploration Inc. of Cobalt Ontario, Canada. These claim properties are known as the Oxford Properties, Trainmen Properties and New Lake properties. Most of the work was supervised and conducted by Alan Kon (Al) of North Cobalt, Ontario and Roxanne Richer, a recent graduate of the Haileybury School of Mines also assisted with the program.

Surface stripping was conducted on the Oxford and Trainmen Properties by Lathem's Excavating Ltd using a 25 ton tracked Caterpillar excavator.

Assaying was done by Cattarello Assayers Inc.

### **Property Location and Access**

The Oxford, Trainmen and New Lake claims are located in the north east part of Gillies Limit Township, within close proximity of the historical silver mining town of Cobalt, Ontario. These claims can be accessed fairly easily by taking Coleman Rd. east from Cobalt to Hound Chutes Rd, then south for 4.0 km to a trail that leads east to the Oxford claims. 1 Km further south on Hound Chutes Rd is another trail which leads east to the Trainmen property. The New Lake claims can be accessed by staying on Coleman Rd then at the Lawson Mine corner take the Beaver Temiskaming Rd to the Mayfair mine Rd.

### **Topographical & Vegetation**

The topographical setting for the property is much the same as elsewhere in the Cobalt camp. Rolling hills, steep but low cliffs, and an average amount of exposed rock. There are a few small hills in the area. Water is sparse in the area with only a few small lakes and creeks. Giroux Lake and New Lake are larger lakes and are less than 2 km from the claims. Swamps and low wet areas are at a minimum as well.

Vegetation is very heavy. Logging was done in the area recently. Tree types are varied from small to medium sized cedar, birch and willow to medium and large poplar. There are also a few very large old white and red pine in the area. Undergrowth is thick with dogwood, scrub brush and other vegetation.

### **Regional and Property Geology**

The Oxford, Trainmen and New Lake properties are located within a geological area known as the Cobalt embayment. The rocks that underlie the project area include basement forming Keewatin mafic to felsic metavolcanics and Algonian granitic rocks overlain by relatively flat lying Huronian metasediments. A Nipissing aged diabase unit, in the form of sills and dykes, intrudes all of these rock types. Younger diabase dykes locally cross cut all of these rocks. Lamprophyre dykes of various ages intrude the Keewatin and Algonian rocks.

The rocks in the project area are strongly influenced by at least four major northwest trending regional scale fault structures. These include the Temiskaming Fault, the Crosswise Lake Fault, the Montreal River Fault and the Latchford Fault. Numerous cross-faults connect these major structures.

## **Historical Work**

As mentioned before, the Gillies Limit claims are all in close proximity to the historical silver mining town of Cobalt Ontario. Both the Oxford and Trainmen claim properties have had extensive work done on the claims including; adits, pits trenches and fairly deep shafts. The New Lake claims have mostly pits and trenches with a few shallow shafts.

## **Work Program**

The main focus was to cover as many claims as possible within the short time allotted for the program. The work program consisted of mostly prospecting, sampling and 2 days of overburden stripping. Most of the old cut grids were overgrown and next to impossible to follow, so two GPS's were used, a Garmin 60CS & 62ST along with Thompson maps 2051 and 2052 and OGS Earth maps. In most cases the road or trail was used as a starting point.

Three target sites were picked for overburden stripping after prospecting was completed:

Trainmen Property, Outcrop #1: On the SE side is a considerable amount of Epidote alteration in the volcanic rock. Close to the center is a large fracture with Quartz/Carbonate vein remnants and minor Sphalerite mineralization.

Trainmen Property, Outcrop #2: On the NE side is a small vein section with very good sulphide mineralization and a small shear within 2 metres of the veining. Some Epidote alteration near the centre of the stripped rock.

Oxford Property, Outcrop #3: During an exploration program in 2004 a fairly large Calcite vein was observed when rock had sluffed off a small cliff face near the #3 post on claim 3002205. It was hoped that the vein came to surface on the top of the cliff ledge. That vein was not found but very bright reddish pink felsic dike possibly Aplite with Epidote spotting and sulfide mineralization was uncovered.

A more detailed work description can be viewed in the daily logs on the following pages.

## *Daily Logs*

June 27, 2011	<ul style="list-style-type: none"> <li>• Oxford Pit Muck Sample #1-600665E, 5246155N, Oxford Shaft #2 Sample 2-600942 E, 5245571N-Claims 3002205&amp;C1383</li> </ul>
July 9, 2011	<ul style="list-style-type: none"> <li>• Proximity Boulder – Grey Wacke/Diabase, side of hill on claim 1212225 – sample 3</li> <li>• Carb Vein with Pbs near road-sample #4</li> <li>• Pbs in trenched area</li> <li>• Lg Carb vein with Pbs in an old trench – GPS coordinates: 0599543 E, 5245472 N –</li> </ul>
July 11, 2011	<ul style="list-style-type: none"> <li>• Looking for an old adit</li> <li>• Found an unknown shaft (Conroy-McAndrew?)</li> <li>• Small Sulphide vein in Vc @ 0599925 E, 5244865 N - Sample #5</li> <li>• Sample #6 Cpy in Db – 0599871 E, 5245248 N Cummins pit area</li> <li>• Sample #7 Cpy in Db – Cummins pit area 599871E, 5245243N</li> </ul>
July 12, 2011	<p>1217456 claim (A95)</p> <ul style="list-style-type: none"> <li>• Diabase</li> <li>• Prospected claim but nothing to sample</li> </ul>
July 13, 2011	<ul style="list-style-type: none"> <li>• Claim 1135379 - Heavy bush</li> <li>• Possible 3 way contact on small outcrop near power lines and Hound chutes Rd. 0599185 E, 5244625 N</li> <li>• Sample #8 Cngl/DB contact/chill zone – sulphide specs in rock 0599154E, 5244639 N</li> </ul>
July 14, 2011	<ul style="list-style-type: none"> <li>• Sample #9 on outcrop 0599534 E, 5243865 N-claim 1135379</li> <li>• Trainmen property; possible sheer vein and trace sulphides</li> </ul>
July 15, 2011	<ul style="list-style-type: none"> <li>• Trainmen property; encountered ATV problems</li> <li>• Came back out after 2 hrs since the ATV was overheating and not starting properly.</li> <li>• No samples</li> </ul>
July 16, 2011	<ul style="list-style-type: none"> <li>• Kirk Bud Property- claim 1135379</li> <li>• Sample # 10 from muck/waste pile (huge waste pile) 0599387 E, 5244205 N</li> <li>• Mostly Diabase trace CC, CPY &amp; PY</li> <li>• Found old cabin, mostly intact</li> <li>• Sample #11 at the cabin location; 0599408 E, 5244171 N bldr smpl</li> </ul>

July 18, 2011	<ul style="list-style-type: none"> <li>• Claim 1174379</li> <li>• North of Barth Lake, boulder sample - # 12</li> <li>• 0600447 E, 5243888 N</li> <li>• Sample #13– mineralized vein &amp; blebs on lrg bldr 0600443E,5243875N</li> </ul>
July 19, 2011	<ul style="list-style-type: none"> <li>• Claim 1135379</li> <li>• Sample #14 – from outcrop behind trainmen shaft (zinc?) 0599604 E, 5243846 N</li> <li>• Sample # 15 – possible Au and trenching/stripping target 0599609 E, 5244444</li> <li>• Sample #16 – outcrop; highly mineralized and veined as well as rusty sulphides 0599611 E, 5243818 N (possible trench/stripping target)</li> <li>• Sample # 17 – proximity sub-crop boulder, cpy and PY 0599589 E,</li> </ul>
July 20, 2011	<ul style="list-style-type: none"> <li>• New Lake area shoreline Qz Carb Vein</li> <li>• Sample 18 – trace sulphides 0601423 E, 5244569 N</li> </ul>
July 22, 2011	<ul style="list-style-type: none"> <li>• Claim 1247790</li> <li>• New Lake Area</li> <li>• Sample # 19 – proximity bldr, possible trench 0601421 E, 5244590 N</li> <li>• New Lake shoreline Qz/Carb Vein – trace sulphides – breccia vein 0601341 E, 5244463 N – Sample #20</li> </ul>
July 23, 2011	<ul style="list-style-type: none"> <li>• DB Dyke; beside Ibsen Pond on claim 1240236</li> <li>• Prospecting and looking for access</li> <li>• Ibsen Pond shoreline Qz/Carb Vein – trace sulphides – breccia vein</li> <li>• Vein - Granite/pink (Feldspar?)</li> <li>• Sample # 21 0601654 E, 5245168 N</li> <li>• Sample #22 and #23 from O.C beside Ibsen pond NW side, Lg Brecciated Vn structure x-cutting striking NW, through pillowed rock 0601670 E, 5245128 N</li> </ul>
July 25, 2011	<ul style="list-style-type: none"> <li>• Surface stripping with excavator – Trainmen claim 1135379</li> </ul>
July 26, 2011	<ul style="list-style-type: none"> <li>• Surface stripping with excavator – Oxford claim T25837&amp;3002205</li> </ul>
July 27, 2011	<ul style="list-style-type: none"> <li>• Trainmen – cleaning outcrop- claim 1135379</li> </ul>
July 28, 2011	<ul style="list-style-type: none"> <li>• Trainmen – cleaning outcrop-pressure washing- claim 1135379</li> </ul>
July 29, 2011	<ul style="list-style-type: none"> <li>• Trainmen – cleaning outcrop- Pressure washing- claim 1135379</li> </ul>
July 30, 2011	<ul style="list-style-type: none"> <li>• Trainmen – cleaning stripped outcrop #1-pressure washing- claim 1135379</li> <li>• Sample # 24 from major fracture, PB/CPY /trace sulphides 0599600 E, 5243854 N</li> <li>• Sample #25 Qz/Carb Vn –trace sulphides 0599605 E, 5243848 N</li> </ul>
Aug 2, 2011	<ul style="list-style-type: none"> <li>• Stripped outcrop #2/ claim 1135379. Sample #26 0599612 E, 5243816 N sub cropping, volcanic rock approx. 1% sulphide</li> <li>• Sheer zone on bare outcrop Sample #27 0599608 E, 5243808N Qz/carb vein stringer</li> </ul>
Aug 4, 2011	<ul style="list-style-type: none"> <li>• Sample #28 Oxford – mineralized pink felsic dike- 600593E, 5246021N</li> <li>• Stripped outcrop cleaning on claim T25837&amp;3002205</li> </ul>
Aug 5, 2011	<ul style="list-style-type: none"> <li>• Compile and review all the samples,</li> <li>• Get them ready for the lab.</li> </ul>



## Conclusion

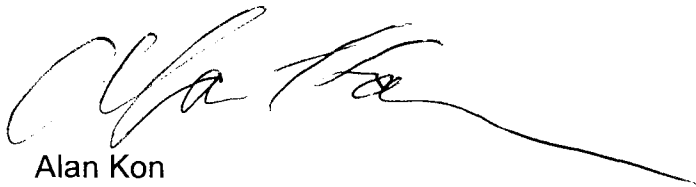
It has been suggested than a more detailed work program should be done on the Oxford properties and possibly the New Lake properties.

For the Oxford properties, a more detailed prospecting and sampling program should be done focusing on claim 3002205 and surrounding claims. The re-occurring presence of those reddish-pink felsic dikes is most intriguing and follow up work on the properties is most warranted.

The New Lake properties also need more work done on them. Prospecting and sampling should be the first steps along with a detailed MMI survey followed by a ground geophysical survey should be considered.

As for the Trainmen property a drilling program should be taken into consideration. The drill should positioned behind the recently stripped outcrops and drilled to the west towards the volcanic/diabase contact down the hill.

Respectfully submitted by,

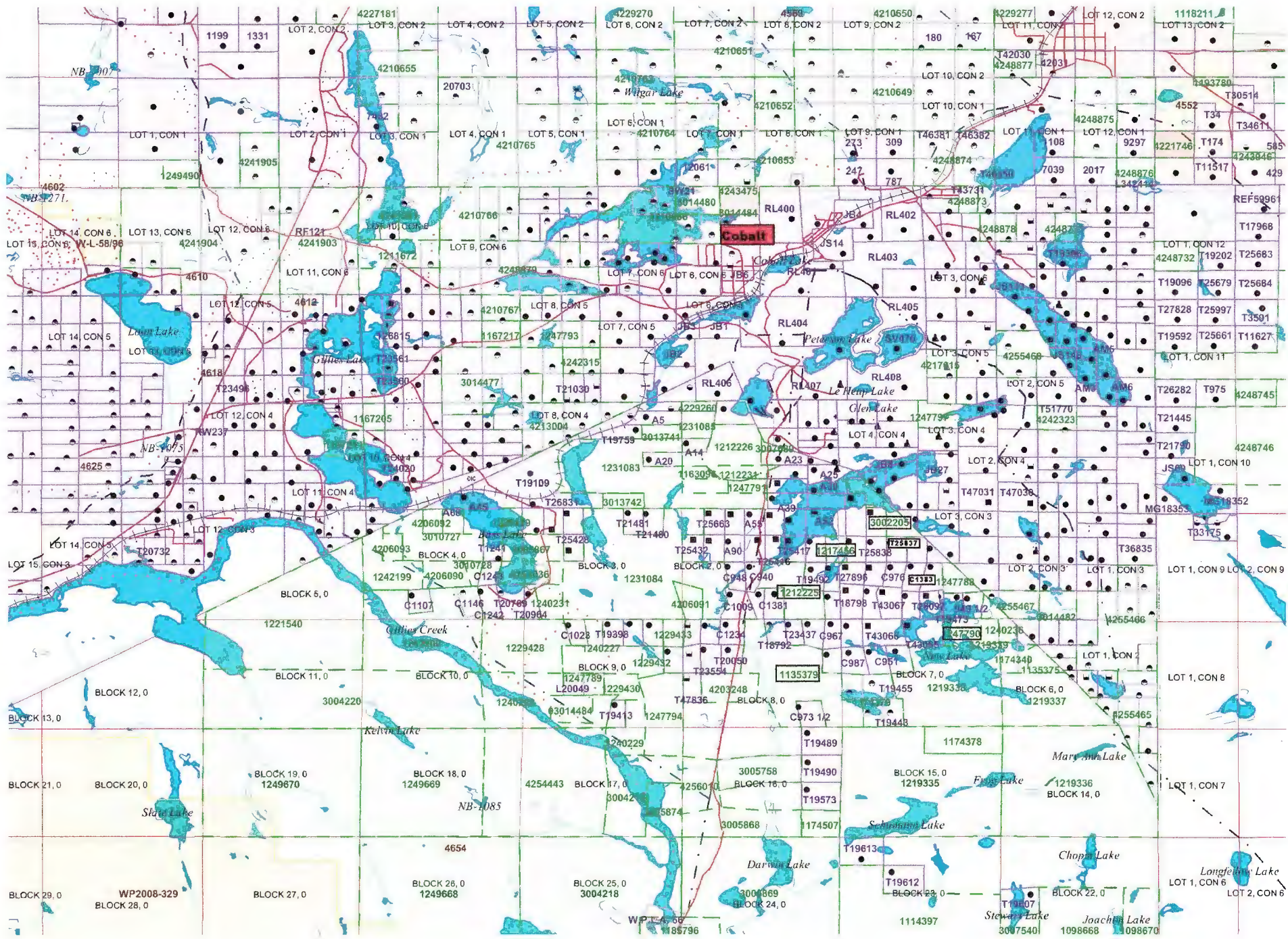


Alan Kon

# Appendix 1

Sample#	Zone		Coordinates	Elavation	Claim	Sample Description
1	17	T	600665 5246155	332m	3002205	Oxford claims- near shaft # 3, pit waste rock, Sulphides in Volcanics
2	17	T	600942 5245571	352m	C1383	Oxford claims- near shaft # 2, shaft waste rock, Sulphides in Volcanics
3	17	T	599466 5245469	319m	1212225	Proximity Boulder – Grey Wacke/Diabase contact boulder, Sulphides
4	17	T	599543 5245472	320m	1212225	Galena in flat lying Calcite vein in old trench
5	17	T	599922 5244864	323m	1212225	Small Sulphide vein in Volcanic rock
6	17	T	599872 5245248	314m	1212225	Semi massive sulphides in Diabase in Cummins Pits area
7	17	T	599871 5245243	313 m	1212225	Semi massive sulphides in Diabase in Cummins Pits area
8	17	T	599154 5244639	300 m	1135379	Trace sulphides on conglomerate/diabase contact
9	17	T	599539 5243865	330 m	1135379	Trace sulphides in possible shear zone
10	17	T	599389 5244208	299 m	1135379	Trace Cpy & Py in waste muck pile near Kirk-Budd shaft
11	17	T	599408 5244166	300 m	1135379	Sulphides in angular proximity boulder( Vc?) near old cabin
12	17	T	600447 5243888	347 m	1174379	Sulphides in large angular proximity boulder,near Barth Lake
13	17	T	600443 5243875	353 m	1174379	Sulphides in very large angular proximity boulder, near Barth Lake
14	17	T	599604 5243846	336 m	1135379	Sulphide mineralization (Sphal?) on Volcanic outcrop
15	17	T	599609 5243848	331 m	1135379	Possible VG on Volcanic outcrop
16	17	T	599611 5243818	337 m	1135379	Highly mineralized and veined - Sulphides in Volcanic rock
17	17	T	599589 5243811	340 m	1135379	Proximity sub-crop boulder, Volcanic, cpy and PY
18	17	T	601423 5244569	338 m	1247790	Trace sulphides in Qu vein on New Lake shoreline
19	17	T	601421 5244590	339 m	1247790	Proximity boulder in old trench, good sulphides, Sphal ?
20	17	T	601341 5244463	331 m	1247790	New Lake shoreline Qz/Carb Vein, trace sulphides, breccia vein
21	17	T	601654 5245168	335m	1240236	Ibsen Pond shoreline-Qz/Carb vein, trace sulphides, some brecciation, Granite/pink (Feldspar?)
22	17	T	601670 5245128	335 m	1240236	Outcrop beside Ibsen pond NW side, Lg brecciated Vn structure x-cutting through pillowed rock striking NW
23	17	T	601670 5245128	335 m	1240236	Outcrop beside Ibsen pond NW side, Lg brecciated Vn structure x-cutting through pillowed rock striking NW
24	17	T	599600 5243854	331m	1135379	Major fracture, Pbs/Cpy /trace sulphides
25	17	T	599607 5243848	337 m	1135379	Qz/Carb Vn –trace sulphides
26	17	T	599612 5243816	337 m	1135379	Sub cropping, volcanic rock approx. 1% sulphide
27	17	T	599608 5243808	343 m	1135379	Sheer zone on bare outcrop, Qz/carb vein stringer
28	17	T	600594 5246021	369 m	T25831	Mineralized pink felsic dike



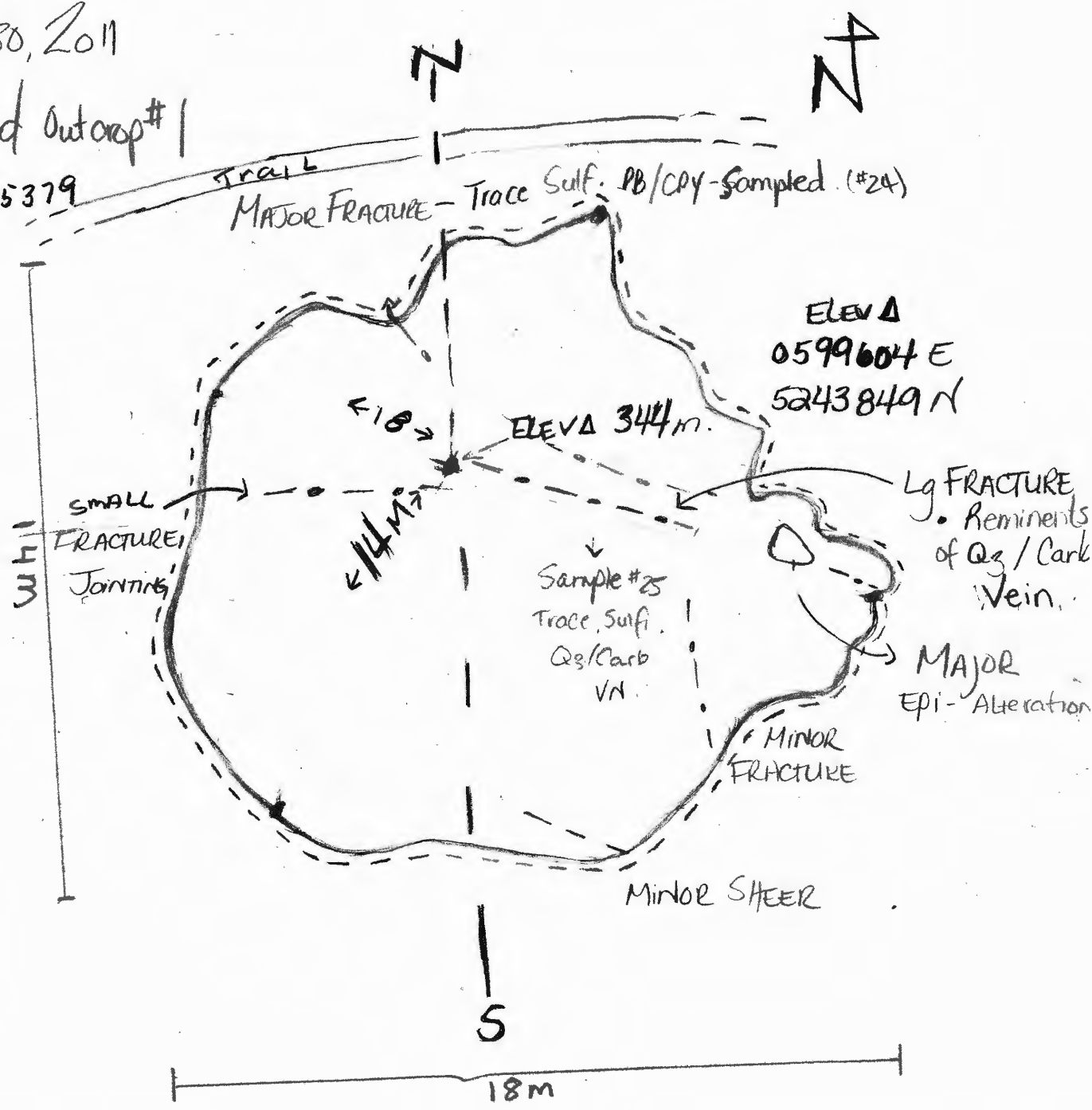




July 30, 2011

Stripped Outcrop #1

Claim 1135379



**LEGEND**

- .- FRACTURE
- - SHEER
- - - Trenched Area
- == Trail

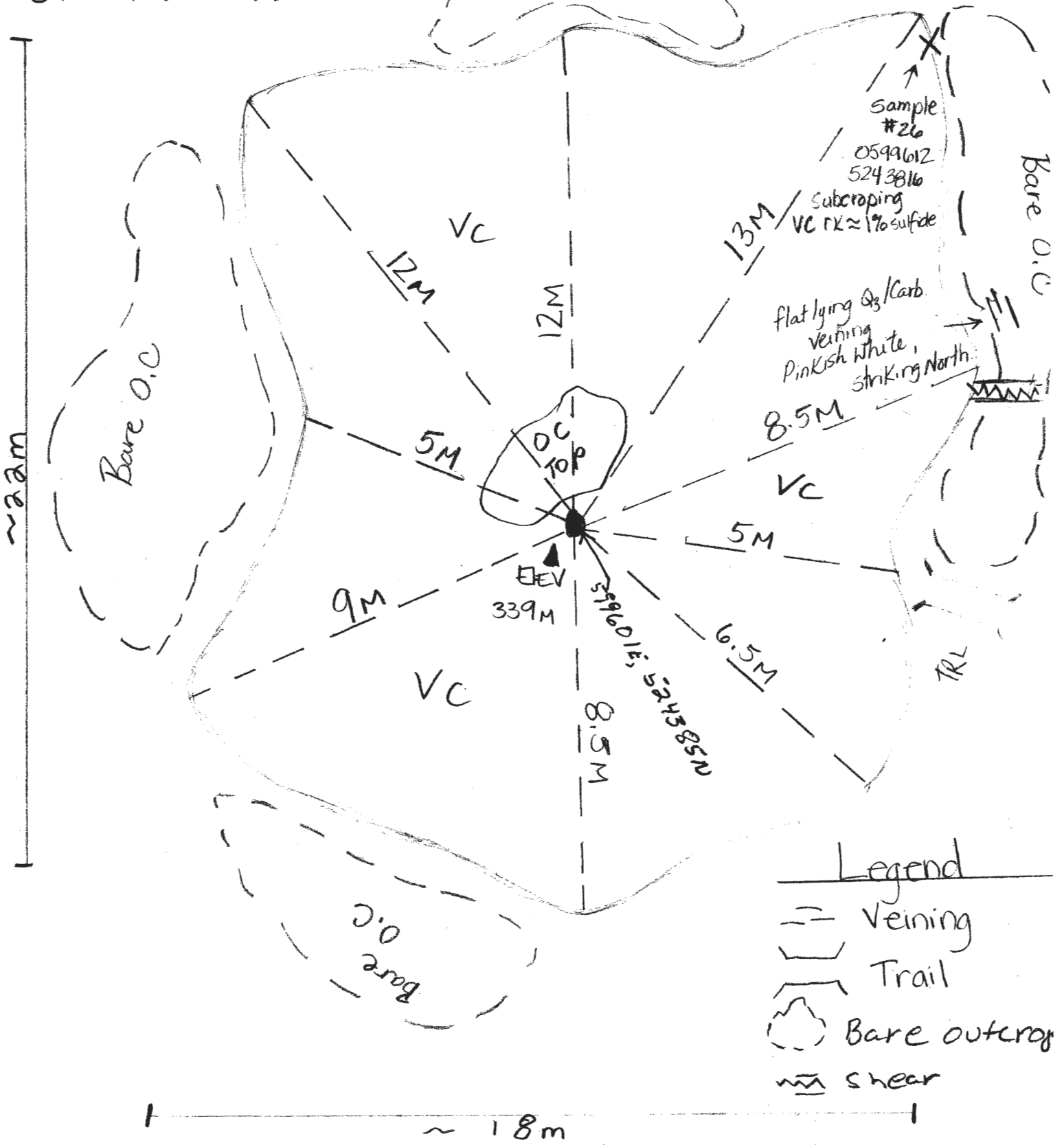
SMALL BLEBBY SECTION OF Epidote Alteration. Also minor rust in fracturing. Minor Sulfides occurrences

Description

- \* The Rock is striking generally in the North direction.
- \*\* Minor Fracturing throughout the outcrop.
- \*\*\* The Rock is mainly composed of Basalt/Andesite.

August 2<sup>nd</sup>, 2011  
 Stripped Area/O.C #2  
 Claim 1135379

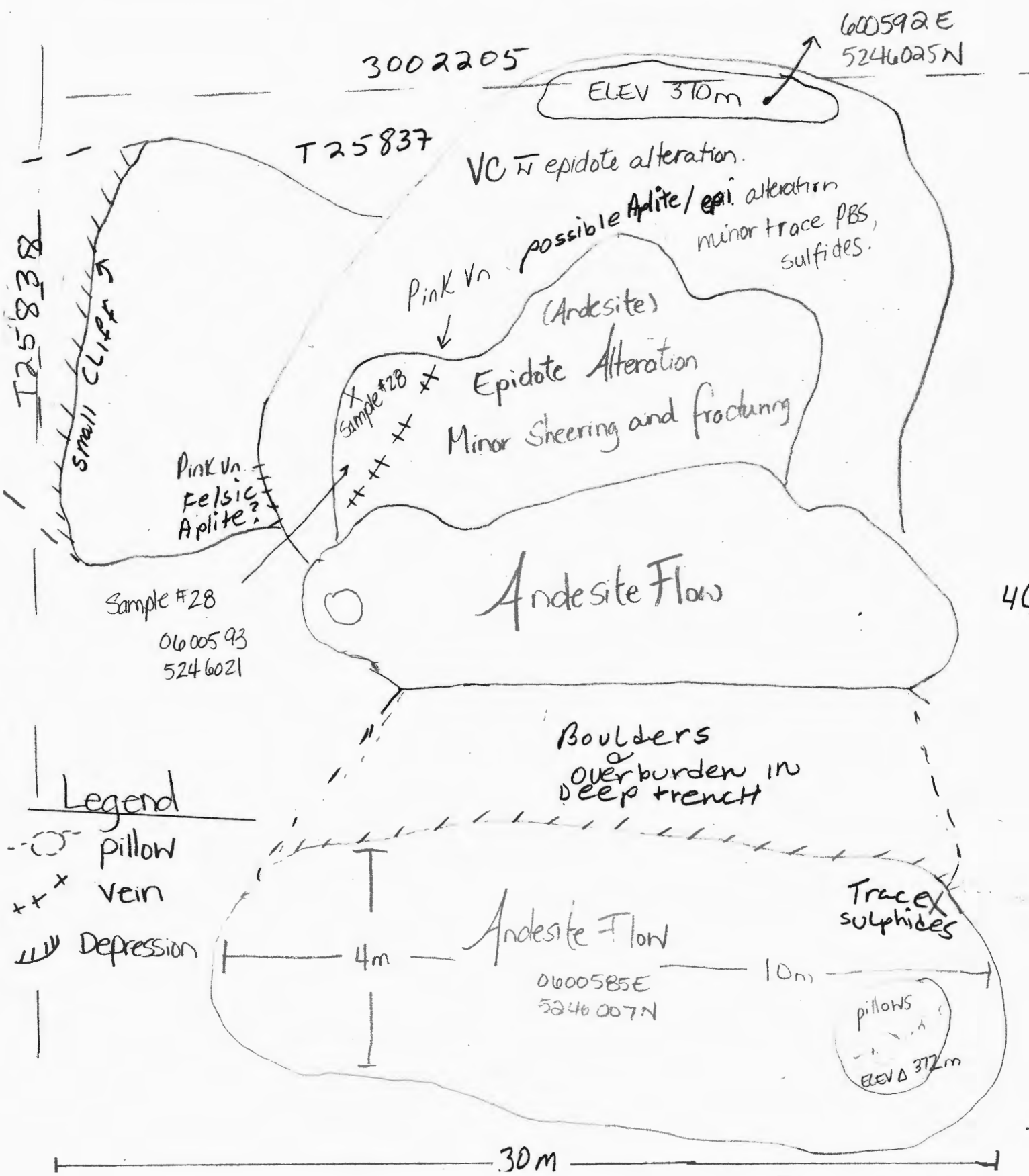
NTS



- Legend
- Veining
  - Trail
  - Bare outcrop
  - shear



# Oxford ~ Stripped Outcrop #3



3002205

ELEV 310m

600592E  
5246025N

T25837

VC w/ epidote alteration.

possible Aplite/epi. alteration  
minor trace PBS,  
sulfides.

Pink Vn

(Andesite)

Epidote Alteration

Minor Shearing and fracturing

T25837  
Small Cliff

Pink Vn  
Felsic  
Aplite?

Sample #28

Andesite Flow

4C

Sample #28

0600593  
5246021

Boulders  
&  
overburden in  
deep trench

## Legend

- pillow
- ++ vein
- ∩ Depression

Trace sulphides

Andesite Flow

0600585E  
5246007N

10m

4m

pillows

ELEV Δ 372m

30m