ASSESSMENT WORK REPORT
ON 2012 DRILLING ON THE LUCY Ta-Li PROPERTY, NTS 52E-11, IN THE EAST BRAINTREE AREA, SOUTHEASTERN MANITOBA, CANADA

For:
Core Mining International Inc.
Toronto, Ontario

Property Holder:
William C. Hood
Beausejour, Manitoba

Drill Supervision & Report by:
William C. Hood, P.Geo.
Beausejour, Manitoba

Field Work: Drilling: March, 2012
Report Completed: March 31, 2014

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Summary of Reported Work:

Geographic Area: East Braintree, NTS 52E-11
Mineral Disposition: SV11361, LUCY 1
Target Commodity: tantalum (& lithium)
Core Drilling: BT, 849 m (2785 ft), 14 holes

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TABLE OF CONTENTS

LIST OF FIGURES

SUMMARY

The Lucy Ta-Li property is located in southeastern Manitoba, about 110km east of Winnipeg. The property comprises six claims totalling 1302ha in area, held by William C. Hood of Beausejour, Manitoba, the author of this report. The claims cover the Lucy pegmatite, the adjacent Artdon pegmatite, and prospective ground to the south and east. The Lucy pegmatite shows many similarities to the Tanco pegmatite being mined for tantalum (Ta), lithium (Li) and cesium (Cs) at Bernic Lake, including flat-lying orientation, presence of lithium micas such as lepidolite, and enrichment in rare metals including tantalum.

This report describes the results from a small drill program contracted by Core Mining International Inc on the Lucy property during March, 2012. Fourteen shallow drill holes totaling 849meters (2785 feet) were completed to test for near-surface, open-pittable tantalum mineralization within mining claim SV11361 (LUCY 1). Most of these drill holes were -90° (vertical) in orientation, targeting the shallow-dipping Lucy South dike, but four holes were angled across the steep-dipping Lucy North dike. Much of this drill program was intended to clarify the distribution, orientation and fractionation level of pegmatite in between the Lucy South and North dikes. This drill program provided a useful test of conclusions from detailed geologic mapping completed over the Lucy pegmatites in 2011.

An interesting observation from this drill program is the clear and sharp separation in the Lucy pegmatites between a highly fractionated, usually white coloured, upper section, with albite (often cleavelandite), spodumene, lepidolite and local tantalite, overlying a pink coloured footwall of poorly fractionated, banded aplitic pegmatite. These distinctly different lithologies within the same pegmatite provide an excellent illustration of the fractionation process and possible immiscible nature of these two fluid phases. The Lucy dikes show significant fractionation range over very small physical distances, and appear somewhat different from most zoned rare metal pegmatites in this regard. The discovery of pegmatitic granite immediately below the Lucy South dike further illustrates this observation.

Drilling on the shallow-dipping Lucy South dike intersected up to 8m

thicknesses of upper fractionated zone pegmatite with white spodumene mineralization. This mineralization narrows down-dip to the east and northeast, but remains open to the south and east. To the northeast, the Lucy South dike pinches out and does not appear to connect with the Lucy North dike, but to the northwest, the Lucy South dike and Lucy North dike may be connected through a flat-lying, but poorly fractionated banded aplite pegmatite with no overlying fractionated zone.

Drilling across the Lucy North dike intersected up to 9m thicknesses of highly fractionated lepidolite-albite pegmatite that can be expected to run interesting tantalum values. Local black tantalite crystals were visually observed. The Lucy North dike, with its mineralized upper fractionated zone, remains open in all directions, but appears to be narrowing to the east. Where exposed on surface, the Lucy North pegmatite is steep south-dipping, but this drilling suggests that the contacts on this dike become moderate to shallow south-dipping in the immediate subsurface.

Further drilling is recommended to explore the Lucy property for its tantalum (and lithium) potential. Priority should be given to delineating the lepidolite-albite zone in the upper fractionated lithology of the Lucy North dike. Significant tantalum values have been returned from this lithology in past, and can be reasonably expected wherever it is present. The Lucy South dike should also be traced to the east and south, though this may be influenced by lithium markets. But the most significant recommendation arising from this drill program relates to the significant volume of pegmatitic granite found directly under the Lucy South pegmatite. It is very likely that this pegmatitic granite extends to the south and east in the subsurface, and becomes more fractionated in that direction. Significant tantalum and other rare metal mineralization may be preserved in structural traps above the pegmatitic granite, but below outcrop/sub-crop levels. Analysis of the 2012 drilling samples should be completed when funds are available.

William C. Hood, P.Geo.
March 31, 2014

INTRODUCTION

This report describes the results from a small drill program completed during March, 2012, on the Lucy property. Fourteen shallow drill holes were completed to test for near-surface, open-pittable tantalum mineralization. The author previously completed a small program of geologic mapping and rock/soil geochemistry during May, 2011, as described in a report titled “Assessment Work Report on Detailed Geologic Mapping & Rock/Soil Geochemistry over the Lucy Pegmatite on Mining Claims SV11361 (LUCY 1) & SV11363 (LUCY 2), in the East Braintree Area, Southeastern Manitoba”, dated August 10, 2011.

The Lucy pegmatite shows many similarities to the Tanco pegmatite being mined for tantalum (Ta), lithium (Li) and cesium (Cs) at Bernic Lake, including flat-lying orientation, presence of lithium micas such as lepidolite, and enrichment in rare metals including tantalum.

Records show that the Lucy pegmatite was first staked in 1943. Significant drilling (2986m in 48 holes) was completed by North American Rare Metals Ltd in 1955, resulting in a reported resource (non 43-101 compliant) of "250,000 tons grading 1.75% Li_2O". Tantalum Mining Corporation (Tanco) drilled four holes totalling 272m in 1983. Tanco’s drill hole Lucy-3 intersected a large pegmatite which assayed 0.024% Ta_2O_5 over 18.0m of “mixed zone” and “replacement zone” comprised of K-feldspar, quartz, albite (often cleavelandite), lepidolite, spodumene, muscovite, tourmaline, apatite and garnet, though the true width of this intersection is probably about one-half.

Avalon Ventures Ltd undertook a substantial work program during 2000-01 over the Lucy pegmatite and nearby Artdon pegmatite. This work included a cut grid, magnetic survey, geologic mapping, Li rock geochemistry and drilling. Avalon completed 10 drill holes totalling 1442m, with six of these drill holes on the Lucy pegmatite. The best intersection from this program was in hole EB-01-1which cut 0.029% Ta_2O_5 over 44.43m, including 0.046% Ta_2O_5 over 12.90m, though this appears to be a down-dip intersection with a much lower true width. Avalon concluded that the tantalum minerals microlite and wodgenite were closely associated with alteration assemblages that were characterized by the albite species cleavelandite. Avalon also identified the cesium mineral pollucite, and concluded that the Lucy

pegmatite mineralogy is “consistent with a very high degree of fractionation and exhibits mineralogical similarity with the Tanco pegmatite”.

W.C. Hood, the author of this report, acquired claims covering the Lucy pegmatite in 2007, and completed a small work program in May, 2011.

LOCATION, ACCESS & PHYSIOGRAPHY

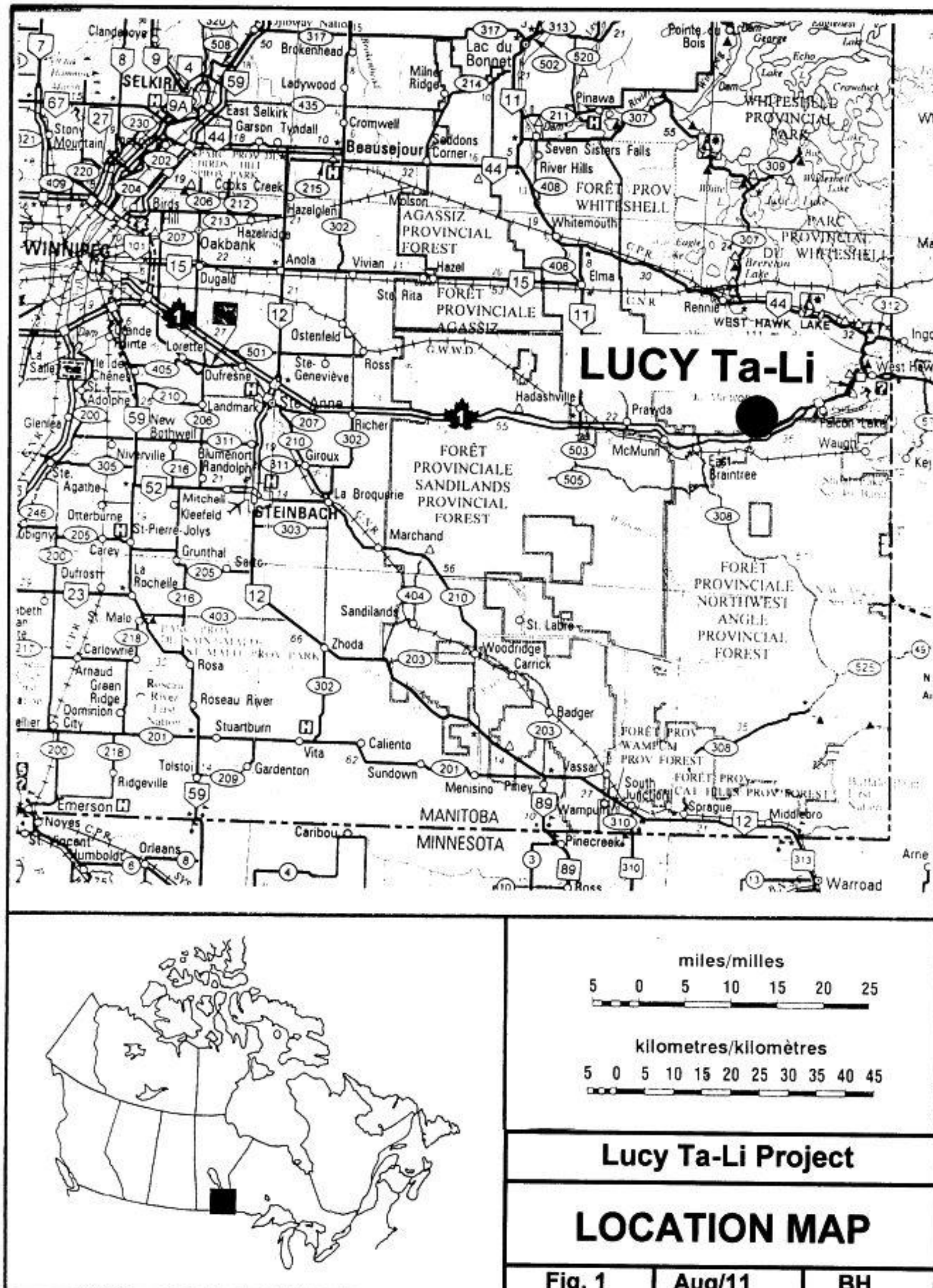
The Lucy property is located in southeastern Manitoba, about 110km east of Winnipeg (Fig. 1). The Lucy pegmatite is situated 700m north of the westbound lanes of PTH#1, the Trans-Canada Highway, and about 300m north of Trans-Canada Pipeline’s natural gas pipeline.

Access to the Lucy pegmatite is by a 1km trail which extends to the northeast from a point on the Trans-Canada highway at about Km462.5 on the westbound lanes, from an outcrop which is about 200m west of the Rd87E (surveyed road allowance) sign. It should be noted that there is no cross road between the eastbound and westbound lanes at Rd87E, but there are cross roads at Rd86E and about 200m east of Rd88E. The trail to the Lucy pegmatite follows an old winter road, across the pipeline, and through a spruce bog, onto outcrops in the area of the Lucy dike.

The area of the Lucy pegmatite is typical swampy Precambrian terrain with low rolling hills of outcrop and glacial till up to 10m high interspersed with extensive bogs. Vegetation generally comprises jackpine on outcrop areas, spruce and poplar on clay/till covered areas, and a mix of black spruce, tamarack and cedar in swampy areas. Beaver ponds are common along creeks and low areas.

CLAIM STATUS

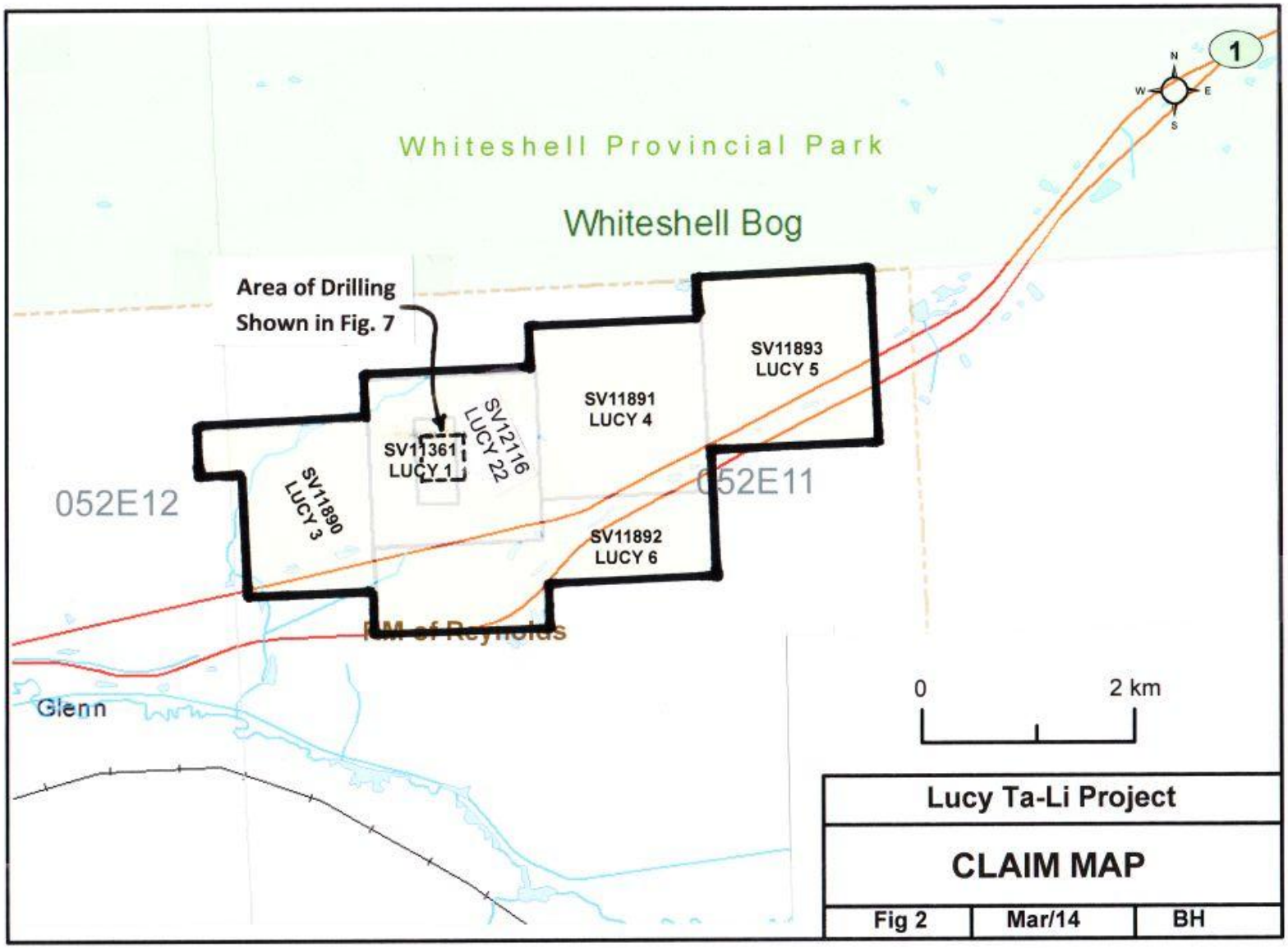
The Lucy property is covered by six claims, LUCY 1 (SV11361), LUCY 2 (SV11362), LUCY 3 (SV11363), LUCY 4 (SV11364), LUCY 5 (SV11893) and LUCY 6 (SV11892) , totalling 1302ha in area (Fig. 2). The claims are held by William C. Hood of Beausejour, Manitoba, the



Lucy Ta-Li Project

LOCATION MAP

Fig. 1	Aug/11	BH


Whiteshell Provincial Park
Whiteshell Bog
Area of Drilling
Shown in Fig. 7
SV11893
LUCY 5
SV11891
LUCY 4
SV12116
LUCY 22
SV11361
LUCY 1
SV11890
LUCY 3
SV11892
LUCY 6
052E12
052E11
RM of Reynolds
Glenn
1
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W
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0
2 km
Lucy Ta-Li Project
CLAIM MAP
Fig 2
Mar/14
BH

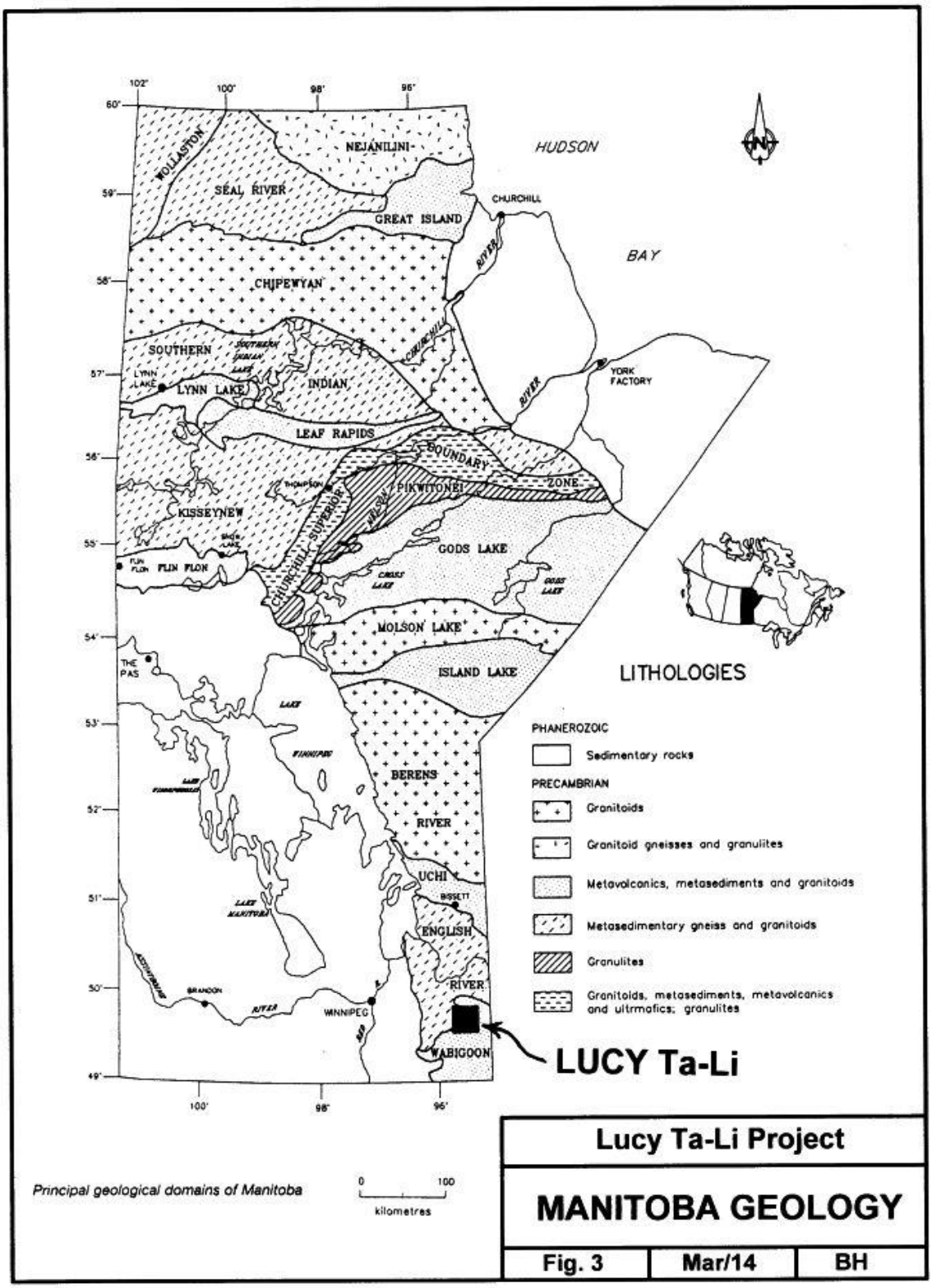
author of this report. At the time the drilling was completed in 2012, the property was under option to a private company, Core Mining International Ltd of Toronto. In 2013, the option was assigned to a related company, Super Metals Mining Ltd of Toronto, before being dropped in early 2014.

The claims cover the Lucy pegmatite, the adjacent Artdon pegmatite, and prospective ground to the south and east. Claims in this area lie in NTS 52E/11, within the surveyed portion of southern Manitoba. Claims in this area are map staked, according to legal subdivisions in the surveyed system of 1-mile sections, within Townships north and Ranges east.

REGIONAL GEOLOGY

The Lucy property lies within the Archean-age Falcon Lake greenstone belt in the Wabigoon Subprovince of the Precambrian Shield (Fig. 3). The Lucy pegmatite is intruded very near the subprovince boundary with the English River sedimentary gneiss terrain, immediately to the north. Numerous pegmatite fields occur within and along the margins of the English River Subprovince in Manitoba and in Ontario. These pegmatite fields are believed to be generated by fractionation of granitic magmas derived from partial melting of sedimentary rocks along the English River gneiss belt. The best known pegmatite along the English River belt is the Tanco dike at Bernic Lake, which lies 85km directly north of the Lucy pegmatite (Fig. 4). Recent work has suggested separation of the south margin of the English River Subprovince in this area into a separate tectonic block referred to as the Winnipeg River Subprovince, a batholithic terrain. However, this breakdown seems inconsistent with the presence of pegmatite fields and pegmatitic granite related to sedimentary gneisses in the East Braintree area and to the east near Dryden.

The geology of the present Lucy group of six claims is not well known, due to extensive overburden. Most of the Lucy claim group is underlain by mafic volcanic rocks of andesite to basalt composition. These rocks vary between pillowed and massive flows, with local fragmental and tuffaceous facies, as well as local iron formation. Some “massive flows” may be gabbro sills. Volcanic stratigraphy in


HUDSON
BAY
NEJANILINI
WOLLASTON
SEAL RIVER
GREAT ISLAND
CHURCHILL
CHIPEWYAN
SOUTHERN
INDIAN
LYNN LAKE
LEAF RAPIDS
BOUNDARY
ZONE
KISSEYNEW
THOMPSON
FLIN FLON
GODS LAKE
MOLSON LAKE
ISLAND LAKE
THE PAS
BERENS
RIVER
UCHI
BISSETT
ENGLISH
BRANDON
WINNIPEG
WABIGOON
YORK FACTORY
LITHOLOGIES
PHANEROZOIC
Sedimentary rocks
PRECAMBRIAN
Granitoids
Granitoid gneisses and granulites
Metavolcanics, metasediments and granitoids
Metasedimentary gneiss and granitoids
Granulites
Granitoids, metasediments, metavolcanics and ultrmafics; granulites
LUCY Ta-Li
Principal geological domains of Manitoba
0
100
kilometres
Lucy Ta-Li Project
MANITOBA GEOLOGY
Fig. 3
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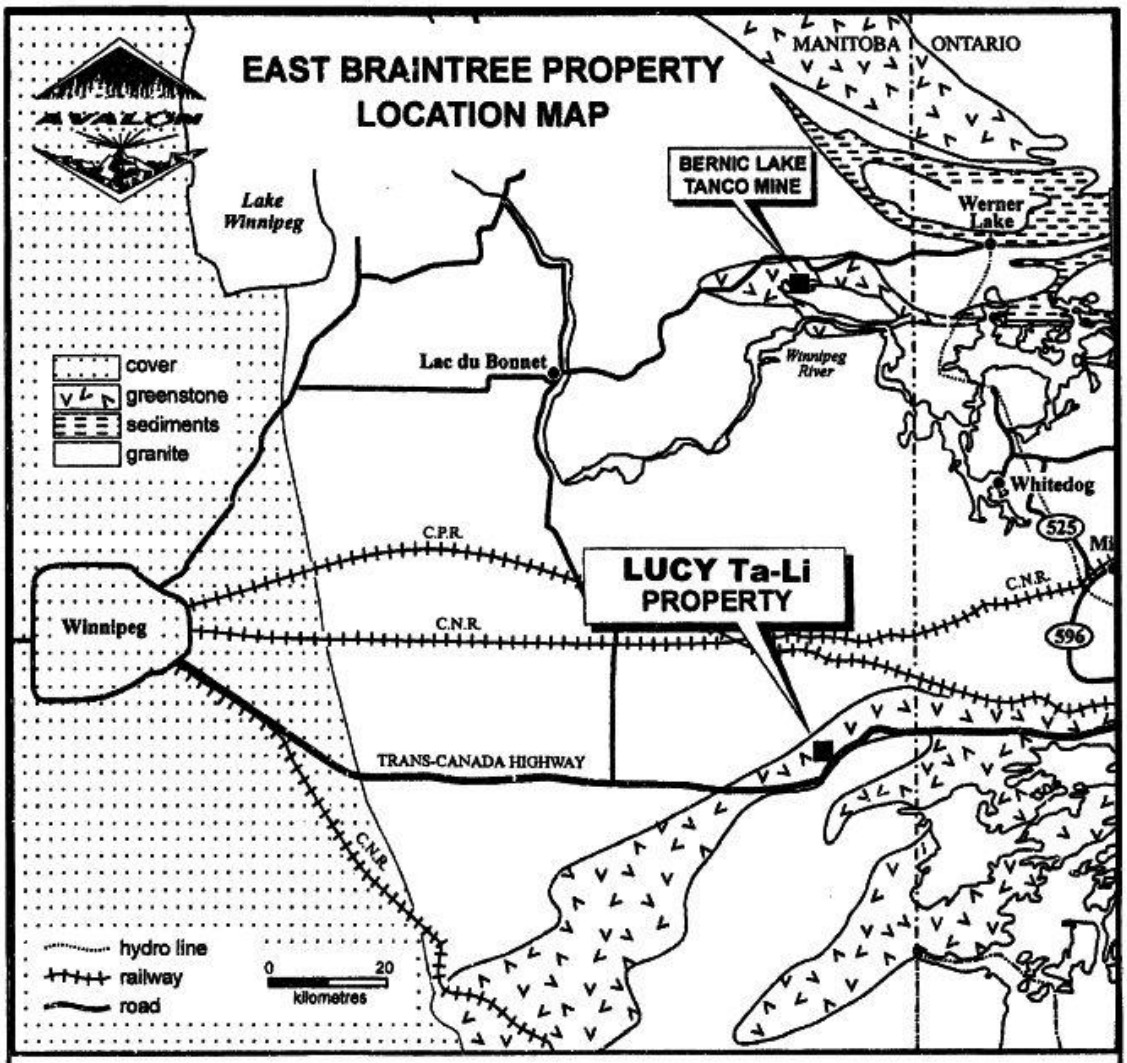


From: J.C. Pedersen, 2000;

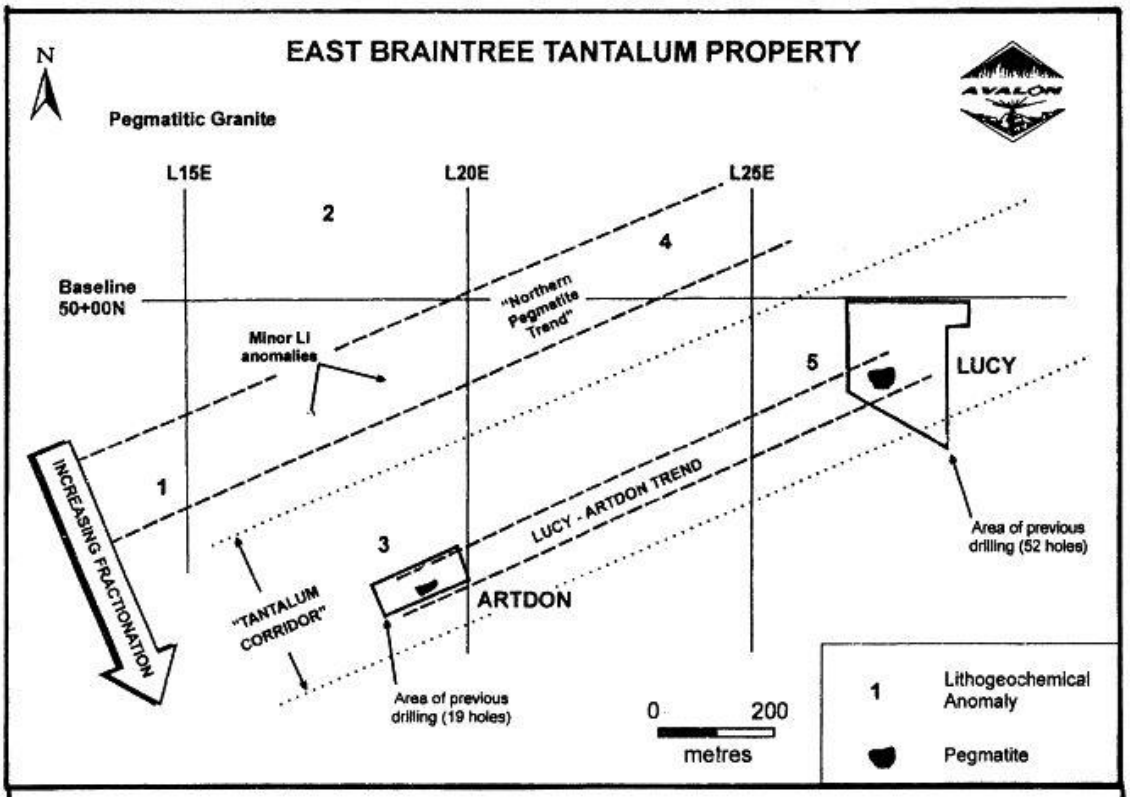
Avalon Ventures Ltd.

Lucy Ta-Li Project		
REGIONAL GEOLOGY		
Fig. 4	**Aug/11**	**BH**

the Lucy area trends east-northeast to west-southwest, and is steep dipping. At least three prominent gabbro dikes up to 50m thick cross-cut the volcanic stratigraphy in a northwest-southeast orientation in the area of the Lucy pegmatite. The northwest corner of the claim group may be in part underlain by granitic rocks. To the east in the Falcon Lake area, these granitic rocks are known to be porphyritic and pegmatitic. Metamorphism in the area of the Lucy claims appears to be in the upper greenschist to lower amphibolite grade, based on local presence of biotitic schists.

The Lucy pegmatite is one of a number of granitic pegmatites which intrude volcanic rocks in the East Braintree to Falcon Lake area of southeastern Manitoba. However, the Lucy dike is the only one in this area which is flat-lying in orientation, and shows many similarities to the Tanco pegmatite, which has been in production for tantalum, lithium and cesium over most of the past 40 years. The Lucy pegmatite is part of a cluster of dikes (Fig. 5), which ranges from pegmatitic granite and simple pegmatites in the northwest, to the Artdon spodumene-bearing dike to the southwest, and the highly-fractionated and mineralized Lucy pegmatite to the east. The simple geometry of these distinct pegmatite lithologies suggests that increasing fractionation, with rare metal mineralization, is roughly to the east-southeast.

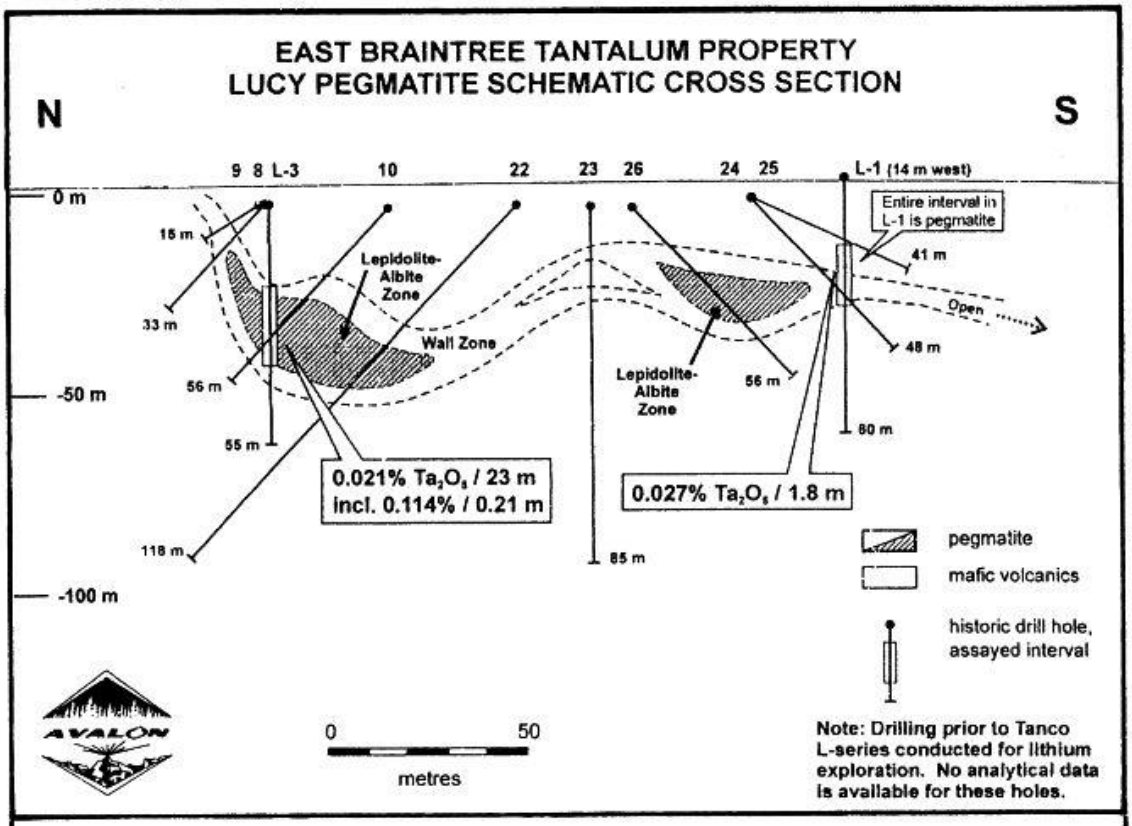
The Lucy pegmatite is flat-lying, or shallow dipping, or possibly dome-shaped in orientation (Fig. 6). Within a large excavated pit, the top of the Lucy pegmatite is exposed over a length of 20m and a vertical height of 3m. This pit exposes a zoned pegmatite with wall zones of albite, quartz, muscovite, tourmaline and minor beryl, plus a core zone of quartz, albite and spodumene. Drilling has outlined zones of lepidolite-albite, with significant Ta values, as well as Li mineralization in spodumene zones. Drilling in the 1950s resulted in calculation of a resource of 250,000 tons (226,800 tonnes) at 1.75% Li_2O. Most of this mineralization is in spodumene, but lepidolite is reported in some holes. Based on the presence of lepidolite-albite zones, it appears that there may be two, shallow east-plunging lobes of the Lucy pegmatite, with thicknesses locally up to 25m. Recent drilling by Avalon Ventures Ltd suggests that the Lucy pegmatite may comprise a steep-dipping dike system (Lucy North dike) along the north side, feeding into a shallow south-dipping tensile fracture (Lucy South dike),



From: J.C. Pedersen, 2000;

Avalon Ventures Ltd.

Lucy Ta-Li Project		
PEGMATITE TRENDS		
Fig. 5	**Aug/11**	**BH**



From: J.C. Pedersen, 2000;

Avalon Ventures Ltd.

Lucy Ta-Li Project		
LUCY X-SECTION		
Fig. 6	**Aug/11**	**BH**

which would be a geological environment almost identical to the Tanco pegmatite at Bernic Lake.

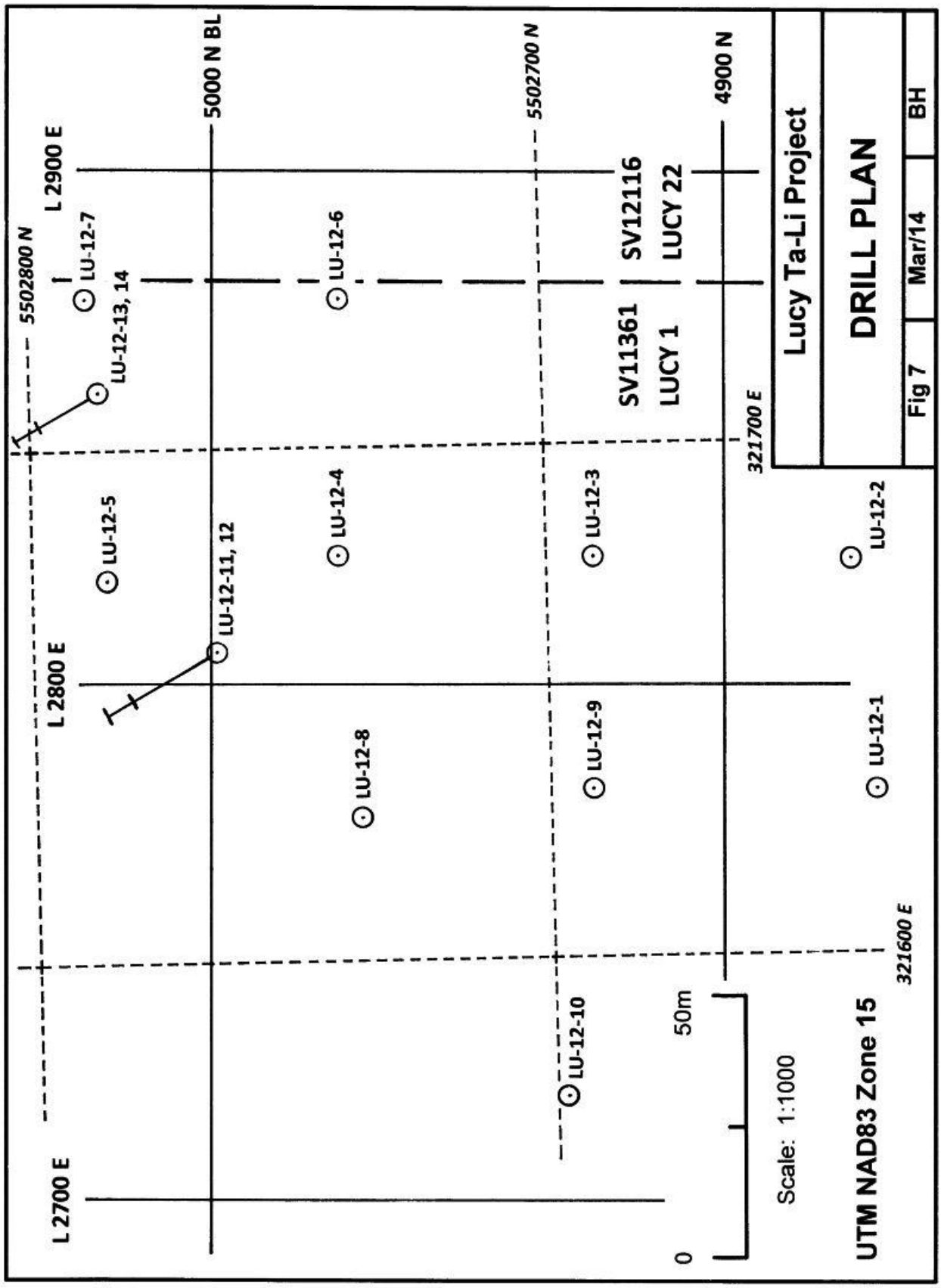
DRILL PROGRAM; MARCH, 2012

Fourteen BT (B Thinwall) drill holes, totaling 849meters (2785 feet), were completed during March, 2012, by Bodnar Drilling Ltd of Ste Rose, Manitoba, all within mining claim SV11361(LUCY 1). Collar locations and horizontal projections of these drill holes are plotted on Figure 7, though most of these drill holes were vertical in orientation. Drill holes LU-12-1, -2, -3, -4, -6, -8, -9 and -10 were targeted on the flat-lying Lucy South dike, while holes LU-12-5, -7, -11, -12, -13 and -14 were targeted on the steeper dipping Lucy North dike. Much of the present drill program was intended to clarify the distribution, orientation and fractionation level of pegmatite in between the Lucy North and South dikes.

Complete logs and sample intervals from these drill holes are included in Appendix I. A total of 159 samples were selected from this core and were cut by diamond saw and bagged. To date, these samples have not been analyzed and remain in secure storage in the possession of the author. Core from this drill program is stored in a cross-pile at rural property owned by the author about 25 km north of Beausejour. Three photographs from this program are included in Appendix II.

Geologic mapping by the author in 2011 had indicated that the 2012 drill area was underlain by basalt volcanic rocks intruded by granitic pegmatite. This was confirmed in all of the drill holes in the 2012 program, which intersected mainly pillowed basalt flows, with local massive flows and occasional tuffaceous rocks. These rocks were mostly dark grey to black coloured with local biotitic alteration suggesting metamorphism beyond greenschist into lower amphibolite facies metamorphism, consistent with a rare metal pegmatite environment. Local thermal metamorphism and hornfelsing was evident up to a meter into the wallrock from pegmatite contacts.

Drill hole LU-12-1 was collared immediately east of the outcrop of the Lucy South dike, and was run long to a vertical depth of 173.5m to


5000 N BL
5502700 N
4900 N
5502800 N
L 2900 E
L 2800 E
L 2700 E
LU-12-7
LU-12-13, 14
LU-12-6
LU-12-5
LU-12-11, 12
LU-12-4
LU-12-3
LU-12-2
LU-12-8
LU-12-9
LU-12-10
LU-12-1
SV12116
LUCY 22
SV11361
LUCY 1
321700 E
321600 E
0
50m
Scale: 1:1000
UTM NAD83 Zone 15
Lucy Ta-Li Project
DRILL PLAN
Fig 7
Mar/14
BH

determine whether other shallow-dipping pegmatites were present in the same structure, underlying the Lucy South dike. Photo 1 in Appendix II shows the drill rig on hole LU-12-1. This drill hole intersected the well-zoned, spodumene-bearing Lucy South dike at 15.67-28.77m, and then cut pegmatite granite at 84.62-102.80, 121.93-124.39 and 147.72-173.50m (end of hole). This suggests that the Lucy South dike is derived from fractionation of the underlying pegmatitic granite and occupies a tensional fracture above it. Internally, the Lucy South dike shows fractionated, white coloured pegmatite at 15.67-23.83, overlying relatively unfractionated, pink coloured banded aplitic pegmatite along the bottom of the dike at 23.83-28.77 (see photo 2 in Appendix II).

Drill holes LU-12-2 and -3, to the east and northeast of LU-12-1 cut similar, but narrower, intersections of the shallow-dipping Lucy South dike, with coarse white spodumene-bearing zones overlying a banded aplitic footwall unit. Drill holes LU-12-4 and -6 did not cut significant pegmatite, indicating that the Lucy South dike terminates to the north between lines 2800E and 2900E at about 4950N. Drill holes LU-12-8, -9 and -10, to the north and northwest of LU-12-1 all intersected roughly 10 meter thicknesses of pegmatite believed to be the extension of the Lucy South dike, but comprised entirely of unfractionated banded aplites. The Lucy South dike, with its white spodumene mineralization, remains open to the south and east of holes LU-12-1, -2 and -3.

Drill holes LU-12-5, -7, -11, -12, -13 and -14 were targeted on the Lucy North dike, which is believed to strike about 060-240° azimuth and dip steep south. Drill holes LU-12-5 and -7 were oriented at -90° (vertical) to continue the pattern set in other drill holes to the south, but holes LU-12-11/-12 and LU-12-13/-14 were angled at -50°/-70° toward 330° azimuth, in order to provide better data on the dip and true thickness of the Lucy North dike. Previous drilling on the Lucy North dike returned significant tantalum intersections from lepidolite-albite sections within this dike.

Drill hole LU-12-5 collared into the Lucy North dike near its upper (south) contact. This drill hole intersected an upper fractionated zone at 2.10-14.41, with lepidolite (see photo 3 in Appendix II), albite (locally cleavelandite variety) and spodumene, before passing into poorly

fractionated aplites and lower wall zone at 14.41-21.35. Drill hole LU-12-7, the most north-easterly hole in the program intersected only poorly fractionated banded aplites and wall zone at 49.24-56.18, with no upper fractionated zone.

Drill holes LU-12-11 and -12 were drilled from the same setup at -50° and -70° across the Lucy North dike at about 2800E. These drill holes both intersected a 30m thickness of pegmatite and suggest a moderate to shallow south dip. Hole LU-12-11 intersected an upper fractionated zone at 5.62-10.82 with lepidolite, spodumene and albite, with a lower zone of poorly fractionated aplites at 10.82-37.55. Drill hole LU-12-12 cut a very similar intersection with an upper fractionated zone at 5.98-15.40, including several tantalite crystals at 14.3-14.8, before passing into the poorly fractionated lower zone of banded aplites and wall zone at 15.40-36.37. Drill holes LU-12-13 and -14 cut 5 to 10m thicknesses of the Lucy North Dike, with a moderate south dip. Both of these drill holes intersected approximately 2m of upper fractionated zone with lepidolite and albite, before passing into the lower banded aplites and wall zone. The Lucy North Dike remains open in all directions, though the presence on only unfractionated aplites and wall zone lithology in LU-12-7 suggests that the upper fractionated zone within this dike may not extend to the east.

CONCLUSIONS & RECOMMENDATIONS

Fourteen BT drill holes, totaling 849meters (2785 feet), were completed during March, 2012, within mining claim SV11361 (LUCY 1). Most of these drill holes were -90° (vertical) in orientation, targeting the shallow-dipping Lucy South dike, but four holes were angled across the steep-dipping Lucy North dike. Much of this drill program was intended to clarify the distribution, orientation and fractionation level of pegmatite in between the Lucy South and North dikes. This drill program provided a useful test of conclusions from detailed geologic mapping completed over the Lucy pegmatites in 2011.

The most interesting conclusion from this drill program is the clear and sharp separation in the Lucy pegmatites between a highly fractionated, usually white coloured, upper section, with albite (often cleavelandite), spodumene, lepidolite and local tantalite, overlying a pink coloured

footwall of poorly fractionated, banded aplitic pegmatite. These distinctly different lithologies within the same pegmatite provide an excellent illustration of the fractionation process and possible immiscible nature of these two fluid phases. The Lucy dikes show significant fractionation range over very small physical distances, and appear somewhat different from most zoned rare metal pegmatites in this regard. The discovery of pegmatitic granite immediately below the Lucy South dike further illustrates this observation.

Drilling on the shallow-dipping Lucy South dike intersected up to 8m thicknesses of upper fractionated zone pegmatite with white spodumene mineralization. This mineralization narrows down-dip to the east and northeast, but remains open to the south and east. To the northeast, the Lucy South dike pinches out and does not appear to connect with the Lucy North dike, but to the northwest, the Lucy South dike and Lucy North dike may be connected through a flat-lying, but poorly fractionated banded aplite pegmatite with no overlying fractionated zone.

Drilling across the Lucy North dike intersected up to 9m thicknesses of highly fractionated lepidolite-albite pegmatite that can be expected to run interesting tantalum values. Local black tantalite crystals were visually observed. The Lucy North dike, with its mineralized upper fractionated zone, remains open in all directions, but appears to be narrowing to the east. Where exposed on surface, the Lucy North pegmatite is steep south-dipping, but this drilling suggests that the contacts on this dike become moderate to shallow south-dipping in the immediate subsurface.

Further drilling is recommended to explore the Lucy property for its tantalum (and lithium) potential. Priority should be given to delineating the lepidolite-albite zone in the upper fractionated lithology of the Lucy North dike. Significant tantalum values have been returned from this lithology in past, and can be reasonably expected wherever it is present. The Lucy South dike should also be traced to the east and south, though this may be influenced by lithium markets. But the most significant recommendation arising from this drill program relates to the significant volume of pegmatitic granite found directly under the Lucy South pegmatite. It is very likely that this pegmatitic granite extends to the south and east in the subsurface, and becomes more

fractionated in that direction. Significant tantalum and other rare metal mineralization may be preserved in structural traps above the pegmatitic granite, but below outcrop/sub-crop levels. Analysis of the 2012 drilling samples should be completed when funds are available.

William C. Hood, P.Geo.
March 21, 2014

CERTIFICATE

For: William C. Hood, P.Geo.
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(204)268-3455
bhood @ mts.net

1) I am a graduate of the University of Manitoba (1979) with a B.Sc. (Honours) Degree in Science (Geology) and I have practiced my profession since that time.

2) I am a Registered Professional Geoscientist with the Association of Professional Engineers and Geoscientists of Manitoba since 1982.

3) I have been employed by Tantalum Mining Corporation (1979-1983), Province of Manitoba Departments of Labour (1992 – 1995) & Energy and Mines (1995 -1997), and ProAm Exploration Corporation (1997 – 2000), as well as operating my own business as W.C. Hood, Consulting Geologist (1983 – 1992 & 2000 – present).

4) I have researched, conducted and supervised a wide range of exploration programs for hydrothermal gold, volcanogenic copper-zinc, magmatic nickel-copper-PGE, pegmatitic tantalum-lithium-cesium, kimberlitic diamonds and various industrial mineral commodities.

William C. Hood, P.Geo.
March 31, 2014

APPENDIX I – DRILL LOGS & SAMPLE INTERVALS

DRILL LOG: LU-12-1

Company/Project/Zone: Core Mining; Lucy Property; Lucy South Dike
Claim: SV11361, LUCY 1
Collar Location: UTM, NAD83, Z15: 321629E / 5502623N; Grid 2780E / 4870N
Core Size/Planned Orientation/Total Depth: BT; -90°; 173.5m
Drilled By/Date: Bodnar Drilling Ltd; April, 2012
Core Storage: Cross-piled at rural property owned by William Hood approximately 25 km north of town of Beausejour, Manitoba.
Logged By: William C. Hood, P.Geo.
Notes: Targeted near main trench on Lucy South spodumene zone at crest of interpreted dome-shaped structure and run long to 173.5m to determine whether any other dikes were present at depth in this structure.

Summary Log; LU-12-1:

From (m)	To (m)	Rock Type	Ta/Li Assay Intersections
0.00	0.40	Casing; bedrock setup	
0.40	15.67	Basalt; pillowed flow	
15.67	28.77	Pegmatite (Lucy South Dike)	
28.77	84.62	Basalt; pillowed flow	
84.62	102.80	Pegmatitic Granite	
102.80	121.93	Basalt; pillowed flow	
121.93	124.39	Pegmatitic Granite	
124.39	147.72	Basalt; pillowed flow	
147.72	173.50e	Pegmatitic Granite	

Detailed Log (m):

Note frequently used abbreviations:

fg: fine-grained	mg: medium-grained	cg: coarse-grained	vcg: very coarse-grained
qtz: quartz	feld: feldspar	tour: tourmaline	K: potassic
spod: spodumene	peg: pegmatite	xtl(s): crystal(s)	ca: core angle

0.00 – 0.40m OVERBURDEN: casing to bedrock; bedrock setup.

0.40 – 15.67m PILLOWED BASALT FLOW: blotchy greenish-grey, fg, weakly schistose; pillowed flow with selvage zones up to 10cm thick comprising bands of white inter-pillow carbonate-qtz-chlorite(-epidote) up to 5cm thick flanked by 1-2cm of dark greenish-grey pillow margin flanked occasionally by bands of filled vesicles up to 3cm wide within pillow; selvage & schistosity ca range from 0° to 20° & extend along core; minor pyrrhotite overall but locally concentrated in interpillow carbonate zones such as the 0.5-2.0cm thick carbonate zone with 5% pyrrhotite that extends along core @ 12.5-13.2.

15.67 – 28.77m PEGMATITE (LUCY SOUTH DIKE): white to pink, mg-vcg, massive to banded; moderately-fractionated well-zoned spodumene type pegmatite; top contact irregular but trends @ ca about 35°, lower contact @ 60°.

Upper Wall Zone @ 15.67-16.33: mostly pink; crudely banded with grain size from 1-10mm; about 20% cg black tour in fg matrix of 40% pink feld, 30% light grey qtz & 10% fg pink garnet.

Upper Intermediate Zone @ 16.33-17.15: pink-grey; crudely banded muscovite-rich zone; grain size ranges from 2-10mm with about 40% pink feld, 30% light grey qtz, 30% brownish-yellow muscovite, minor black tourmaline & trace bluish-black holmquistite.

Microcline Core Zone @ 17.15-19.35: pink to grey; vcg section with about 75% light grey microcline in blocky xtls up to 30cm size & 25% grey qtz; microcline xtls have abundant irregular fractures with pink K alteration.

Quartz Core Zone @ 19.35-21.70: white to light grey; massive qtz core zone with about 5% highly altered grey to greenish to reddish xtls of spod and/or microcline.

Spodumene Core Zone @ 21.70-23.83: white to light grey section with about 50% grey qtz, 30% white spod in xtls up to 3x6cm & 20% light grey microcline in blocky xtls up to 10cm size.

Lower Intermediate Zone @ 23.83-24.57: pink-grey; blotchy textured muscovite-rich zone with grain size 2-10mm; about 40% light pink feld, 30% grey qtz & 30% silvery muscovite.

Lower Wall Zone @ 24.57-28.77: crudely banded; pink to grey-pink; mostly aplitic but with grain size varying locally up to about 5mm; bands range from 5mm to 10cm in thickness & are defined mainly by presence or absence of muscovite with wider pink aplitic feld-qtz bands alternating with narrow coarser muscovite-rich bands; about 50% pink feldspar, 25% grey qtz, 15% muscovite, 7% black tourmaline & 3% fg pink garnet; banding ca 55° @ 25.1, 60° @ 26.9 & 28.2.

28.77 – 84.62m PILLOWED BASALT FLOW: generally as @ 0.4-15.67; inter-pillow material @ 32.9-33.05 is biotitic; inter-pillow carbonate-chlorite ca 20° @ 36.0, 10° @ 49.0, 15° @ 58.5 & 67.2, 25° @ 75.0 & 82.0.

84.62 – 102.80m PEGMATITIC GRANITE: spotted white to pink to light grey, mg-vcg, massive; about 60% feld with 50% in K-feld (often large microcline xtls or microcline-qtz "graphic granite" intergrowth) & 10% in white albite, 25% grey qtz, 15% muscovite (usually yellowish-brown but locally greenish-yellow), minor tour & minor garnet; there is a rough alternation on 0.5-1.0m scale of vcg sections & mg "aplitic" sections; upper contact sharp @ ca 55° near perpendicular to schistosity; becomes more aplitic & locally well-banded on a 1-10cm scale @ 95.6-98.3 with banding ca 65° @ 96.3; late 5mm thick dark grey qtz vein along fracture @ 99.5 (ca 30°); late 1cm thick black tourmaline seam @ 102.6 (ca 60° & near perpendicular to lower contact; lower contact sharp with ca 10° slightly cross-cutting schistosity.

102.80 – 121.93m PILLOWED BASALT FLOW: generally as @ 0.4-15.67 but appears to be somewhat hornfelsed & biotitic with no chlorite remaining; dark pillow selvages altered to biotite-amphibole rather than chlorite with local biotite; irregular blotchy light pink K altered patch @ 103.54-103.64; schistosity ca 15° @ 107.3, 20° @ 116.5 & 5° @ 121.0.
121.93 – 124.39m PEGMATITIC GRANITE: generally as @ 84.62-102.80 but weakly sheared & brecciated in section of broken core; upper contact appears to extend along schistosity @ very low ca in broken core @ 121.93-122.50; mix of K-feld, albite, qtz, tour & greenish lithium muscovite; lower contact ca 35°.
124.39 – 147.72m PILLOWED BASALT FLOW: generally as @ 0.4-15.67; section of chlorite-carbonate @ 124.39-124.49 appears to be sheared contact with above pegmatitic granite; schistosity ca 20° @ 124.6 & 130.0; narrow weakly sheared pegmatitic granite stringer with greenish chlorite @ 133.74-133.93 (ca 15°); basalt is weakly sheared @ 133.93-134.6 with schistosity ca 25° @ 134.5; schistosity ca 35° @ 139.0 & 30° @ 145.8.
147.72 – 173.50m PEGMATITIC GRANITE: generally as @ 84.62-102.80; top contact sharp @ 45° & cuts basalt schistosity; becomes banded & somewhat aplitic @ 150.80-151.25 with 2% garnet; section of vcg K feld rich pegmatite @ 155.3-163.7; becomes mainly fg-mg banded aplite with 1% garnet @ 162.7-165.9 with banding generally @ ca 60-80° to core axis; becomes slightly more muscovite rich @ 170.63-172.06; rock becomes increasingly weathered & reddish hematite stained @ 172.6-173.5 as if approaching a fault or contact.
173.50m End of Hole: 2 bags cement; pull casing.

LU-12-1 Sample Intervals & Assays:

Sample #	Interval Start	Interval End (m)	Core Width (m)	Ta,Li (%)
634401	15.66	16.32	0.66	
634402	16.32	17.15	0.83	
634403	17.15	18.56	1.41	
634404	18.56	19.35	0.79	
634405	19.35	20.50	1.15	
634406	20.50	21.66	1.16	
634407	21.66	22.79	1.13	
634408	22.79	23.83	1.04	
634409	23.83	24.58	0.75	
634410	24.58	25.98	1.40	
634411	25.98	27.28	1.30	
634412	27.28	28.77	1.49	
634413	90.49	92.05	1.56	
634414	93.67	95.12	1.45	
634415	95.62	97.08	1.46	
634416	122.50	123.55	1.05	
634417	150.80	151.25	0.45	
634418	162.30	163.65	1.35	
634419	170.63	172.06	1.43	

DRILL LOG: LU-12-2

Company/Project/Zone: Core Mining; Lucy Property; Lucy South Dike
Claim: SV11361, LUCY 1
Collar Location: UTM, NAD83, Z15: 321668E / 5502639N; Grid 2825E / 4875N
Core Size/Planned Orientation/Total Depth: BT; -90°; 50.5m
Drilled By/Date: Bodnar Drilling Ltd; April, 2012
Core Storage: Cross-piled at rural property owned by William Hood approximately 25 km north of town of Beausejour, Manitoba.
Logged By: William C. Hood, P.Geo.
Notes: Targeted to the east of drill hole LU-12-1 on the down-plunge trend of the interpreted dome-shaped structure hosting the Lucy South spodumene zone.

Summary Log; LU-12-2:

From (m)	To (m)	Rock Type	Ta/Li Assay Intersections
0.00	0.35	Casing; bedrock setup	
0.35	23.06	Basalt; massive flow	
23.06	34.07	Pegmatite (Lucy South Dike)	
34.07	37.81	Basalt; pillowed flow	
37.81	37.93	Pegmatite	
37.93	50.50e	Basalt; pillowed flow	

Detailed Log (m):

Note frequently used abbreviations:

fg: fine-grained	mg: medium-grained	cg: coarse-grained	vcg: very coarse-grained
qtz: quartz	feld: feldspar	crb: carbonate	K: potassic
spod: spodumene	peg: pegmatite	xtl(s): crystal(s)	ca: core angle

0.00 – 0.35m OVERBURDEN: casing to bedrock; bedrock setup.

0.35 – 23.06m MASSIVE BASALT FLOW: greenish-grey, fg-mg, weakly schistose; probable massive flow that becomes mg @ about 9-14; minor white qtz-crb veinlets up to 2cm thick; minor disseminated pyrrhotite; veinlet ca 10° @ 6.3; schistosity ca 5° @ 13 & 30° @ 22.9.

23.06 – 34.07m PEGMATITE (LUCY SOUTH DIKE): white to pink, mg-vcg, massive to banded; moderately-fractionated well-zoned spodumene type pegmatite; top contact ca sharp @ 90°, lower contact 35° concordant with wallrock schistosity.

Upper Wall Zone @ 23.06-23.51: pink to grey; grain size from 1-10mm; about 40% pink

to grey feldspar, 30% qtz, 20% silvery muscovite, 5% black tourmaline & 5% light pink garnet.

Spodumene Core Zone @ 23.51-28.98: white to light grey section with about 50% light grey qtz, 30% white spod in xtls up to 3x6cm, 20% light grey microcline in blocky xtls up to 10cm size, minor purple lepidolite alteration of spodumene & minor white cleavelandite albite; very broken up core in this section.

Lower Intermediate Zone @ 28.98-29.55: pink-grey; blotchy textured muscovite-rich zone with grain size 2-10mm; about 40% light pink feld, 35% grey qtz, 20% silvery muscovite & 5% blue apatite/tourmaline.

Lower Wall Zone @ 29.55-32.68: crudely banded; pink to grey-pink; mostly aplitic but with grain size varying locally up to about 5mm; bands range from 5mm to 10cm in thickness & are defined mainly by presence or absence of muscovite & tourmaline with wider pink aplitic feld-qtz bands alternating with narrow coarser muscovite/tourmaline-rich bands; about 50% pink feldspar, 25% grey qtz, 15% silvery muscovite, 7% black tourmaline & 3% fg pink garnet; banding ca 45° @ 30, 40° @ 31 & 30° @ 32.5.

Altered Basalt Inclusion @ 32.68-33.25: dark grey; mainly biotite schist derived from alteration of basalt; 2cm thick white peg stringer @ 33.02 (ca 30°); top contact ca 30°, lower contact 15°.

Lower Pegmatite @ 33.25-34.07: mg-vcg; pink to grey peg with mix of K-feld, qtz, albite, silver to greenish muscovite, black tourmaline, minor garnet & about 5% spodumene & section of biotite schist from altered wallrock @ 33.75-33.85 (ca 40°).

34.07 – 37.81m PILLOWED BASALT FLOW: grey to greenish-grey, fg, weakly schistose; probable pillowed flow; minor light grey qtz-crb stringers with adjacent darker chloritic envelopes may be pillow selvages; minor brownish biotitic bands & flecks; veinlet ca 20° @ 37.

37.81 – 37.93m PEGMATITE: white, mg-cg, massive to weakly longitudinally banded; about 60% white feld mainly albite, 30% grey qtz, 10% light greenish muscovite & minor black tourmaline; slightly discordant to schistosity with top contact ca 30° & lower contact 45°.

37.93 – 50.50m PILLOWED BASALT FLOW: generally as @ 34.07-37.81; frequent irregular light grey qtz-crb stringers & patches with very low ca @ 0°-20° up to 5cm thick in interval @ 42.9-47.8.

50.50m End of Hole: 2 bags cement; pull casing.

LU-12-2 Sample Intervals & Assays:

Sample #	Interval Start	Interval End (m)	Core Width (m)	Ta,Li (%)
634420	23.06	23.50	0.44	
634421	23.50	24.60	1.10	
634422	24.60	25.70	1.10	
634423	25.70	26.80	1.10	
634424	26.80	27.89	1.09	
634425	27.89	28.98	1.09	
634426	28.98	29.55	0.57	
634427	29.55	31.10	1.55	
634428	31.10	32.66	1.56	

634429	32.66	33.25	0.59	
634430	33.25	34.07	0.82	
634431	37.70	38.00	0.30	

DRILL LOG: LU-12-3

Company/Project/Zone: Core Mining; Lucy Property; Lucy South Dike
Claim: SV11361, LUCY 1
Collar Location: UTM, NAD83, Z15: 321677E / 5502689N; Grid 2825E / 4925N
Core Size/Planned Orientation/Total Depth: BT; -90°; 46.5m
Drilled By/Date: Bodnar Drilling Ltd; April, 2012
Core Storage: Cross-piled at rural property owned by William Hood approximately 25 km north of town of Beausejour, Manitoba.
Logged By: William C. Hood, P.Geo.
Notes: Testing for northerly extension of the Lucy South pegmatite & spodumene zone.

Summary Log; LU-12-3:

From (m)	To (m)	Rock Type	Ta/Li Assay Intersections
0.00	1.50	Casing to bedrock	
1.50	14.90	Basalt	
14.90	20.70	Pegmatite (Lucy South Dike)	
20.70	46.50e	Basalt	

Detailed Log (m):

Note frequently used abbreviations:

fg: fine-grained	mg: medium-grained	cg: coarse-grained	vcg: very coarse-grained
qtz: quartz	feld: feldspar	crb: carbonate	K: potassic
spod: spodumene	peg: pegmatite	xtl(s): crystal(s)	ca: core angle

0.00 – 1.50m OVERBURDEN: casing to bedrock; pebbles of granite & fossiliferous limestone.

1.50 – 14.90m BASALT: grey to dark grey, fine-grained, weakly schistose; may be pillowed flows or possible ash tuff but difficult to determine due to drilling almost directly down schistosity; mostly biotitic indicating metamorphism above greenschist into lower amphibolite; trace pyrite; schistosity ca 10° @ 3.0; irregular patches of light green-grey quartz-

carbonate with variable chlorite-epidote & garnet @ 3.96-4.15 (ca 20°) & 10.55-11.17 (ca 5°) may be inter-pillow material.

14.90 – 20.70m PEGMATITE (LUCY SOUTH DIKE): white to pink, mg-vcg, massive to banded; moderately-fractionated well-zoned spodumene type pegmatite; top contact irregular trending @ 55° ca, lower contact 65°.

Upper Wall Zone @ 14.90-15.68: crudely banded medium-grained pink wall zone with mix of K-feldspar, albite, quartz, muscovite, black tourmaline and fine garnets.

Microcline Core Zone @ 15.68-17.14: white to light grey quartz with microcline @ 15.95-16.61.

Spodumene Core Zone @ 17.14-18.10: vcg white spodumene & quartz with minor purple lepidolite.

Lower Intermediate Zone @ 18.10-19.83: mix of grey to pink albite, pink K-feldspar, grey quartz, grey-purple lithian muscovite & minor black tourmaline.

Lower Wall Zone @ 19.83-20.70: crudely banded pink wall zone with albite, K-feldspar, quartz black tourmaline, muscovite & abundant fine garnet.

20.70 – 46.50m BASALT: generally as @ 1.50-14.90; very uniform fine- to medium-grained & weakly foliated section @ 20.7-39.7 may be massive flow; weak foliation ca 20° @ 22.0 & 34.0; narrow pink pegmatite veinlet @ 26.59-26.62 with ca 75°; becomes very fine-grained, schistose & chloritic in possible pillowed flows @ 39.7-46.5 with minor brown biotitic bands; schistosity ca 10° @ 40.5 & 5° @ 46.0.

46.50 End of Hole: 2 bags cement; pull casing.

LU-12-3 Sample Intervals & Assays:

Sample #	Interval Start	Interval End (m)	Core Width (m)	Ta,Li (%)
524805	14.89	15.68	0.79	
524806	15.68	17.14	1.46	
524807	17.14	18.10	0.96	
524808	18.10	19.83	1.73	
524809	19.83	20.69	0.86	

DRILL LOG: LU-12-4

Company/Project/Zone: Core Mining; Lucy Property; Lucy South Dike
Claim: SV11361, LUCY 1
Collar Location: UTM, NAD83, Z15: 321679E / 5502736N; Grid 2825E / 4975N
Core Size/Planned Orientation/Total Depth: BT; -90°; 53.50m
Drilled By/Date: Bodnar Drilling Ltd; April, 2012
Core Storage: Cross-piled at rural property owned by William Hood approximately

25 km north of town of Beausejour, Manitoba.
Logged By: William C. Hood, P.Geo.
Notes: Testing for northerly extension of the Lucy South pegmatite & spodumene zone.

Summary Log; LU-12-4:

From (m)	To (m)	Rock Type	Ta/Li Assay Intersections
0.00	10.60	Casing to bedrock	
10.60	35.94	Basalt	
35.94	36.21	Pegmatite	
36.21	42.24	Basalt; altered	
42.24	42.59	Tourmaline vein	
42.59	53.50e	Basalt	

Detailed Log (m):

Note frequently used abbreviations:

fg: fine-grained	mg: medium-grained	cg: coarse-grained	vcg: very coarse-grained
qtz: quartz	feld: feldspar	crb: carbonate	K: potassic
spod: spodumene	peg: pegmatite	xtl(s): crystal(s)	ca: core angle

0.00 – 10.60m OVERBURDEN: casing to bedrock; granite boulders.
10.60 – 35.94m BASALT: grey to dark grey, fine-grained, weakly schistose; probable ash tuff of andesite to basalt composition; mostly biotitic indicating metamorphism above greenschist into lower amphibolite with local streaks of brownish biotite; minor pyrite; schistosity c/a 10deg @ 11.0 & 15deg @ 16.6; minor stretched felsic lapilli fragments @ 19.6-19.8 with c/a 20deg; schistosity c/a 15deg @ 26.5; 1cm thick stringer of pink pegmatite @ 31.74 with c/a 35deg cutting schistosity; becomes altered @ 33.60-35.94; ca 10° @34.3 on carbonate seams.
35.94 – 36.21 PEGMATITE: pink to light grey, mg-cg, massive; simple pegmatite with coarse white to pink K-feldspar at top & mg albite, K-feldspar & qtz at bottom with minor biotite & trace pyrite; top & bottom ca both about 60° & crosscut schistosity.
36.21 – 42.24 ALTERED BASALT: light grey to grey, fine-grained, schistose & locally banded; becomes altered in this section with swings in schistosity; frequent light grey seams & patches up to 10cm thick of carbonate, altered feldspar & biotite; schistosity c/a 20 deg @ 40.0; 5% pyrite in banded section of chlorite-biotite schist with heavy quartz-carbonate @ 41.32-41.57.
42.24 – 42.59 TOURMALINE VEIN: probable vein of about 90% black acicular tourmaline needles with about 10% light grey quartz-carbonate; minor pyrite; contacts trend about 60° & appear to crosscut schistosity; flanked top & bottom by 10cm zone of brownish biotite alteration.

42.59 - 53.50 BASALT: generally as @ 10.60-33.60 but slightly darker in color, more mafic & slightly coarser grained; probable tuff but could be massive flow or gabbro; weakly altered @ 42.59-42.81; schistosity ca 0° @ 47.5; 4cm thick light grey quartz-carbonate vein with minor tourmaline & pyrite cuts across schistosity with ca 50° @ 49.30-49.36; schistosity ca 50° @ 50.5; 5cm thick light grey quartz-carbonate patch @ 51.36-51.44 with 10% pyrrhotite & ca 45° near concordant with schistosity; 5cm thick black tourmaline vein with 10% light grey quartz-carbonate & minor pyrite @ 51.68-51.75 with ca 60° crosscutting schistosity; schistosity ca 20° @ 53.0.
53.50 End of drill hole; 2 bags cement; pull casing.

LU-12-4 Sample Intervals & Assays:

Sample #	Interval Start	Interval End (m)	Core Width (m)	Ta,Li (%)
524801	35.92	36.22	0.30	
524802	41.29	41.59	0.30	Au
524803	42.19	42.64	0.45	Au
524804	51.35	51.78	0.43	Au

DRILL LOG: LU-12-5

Company/Project/Zone: Core Mining; Lucy Property; Lucy North Dike
Claim: SV11361, LUCY 1
Collar Location: UTM, NAD83, Z15: 321680E / 5502781N; Grid 2820E / 5020N
Core Size/Planned Orientation/Total Depth: BT; -90°; 50.50m
Drilled By/Date: Bodnar Drilling Ltd; April, 2012
Core Storage: Cross-piled at rural property owned by William Hood approximately 25 km north of town of Beausejour, Manitoba.
Logged By: William C. Hood, P.Geo.
Notes: North end of north-south fence of short vertical drill holes LU-12-2 through -5. Targeted roughly at south contact of Lucy North pegmatite.

Summary Log; LU-12-5:

From (m)	To (m)	Rock Type	Ta/Li Assay Intersections
0.00	2.10	Casing to bedrock	
2.10	21.35	Pegmatite (Lucy North Dike)	
21.35	23.57	Basalt	
23.57	36.99	Pegmatite	

36.99	44.60	Basalt; massive flow	
44.60	50.50e	Basalt; tuff/breccia	

Detailed Log (m):

Note frequently used abbreviations:

fg: fine-grained	mg: medium-grained	cg: coarse-grained	vcg: very coarse-grained
qtz: quartz	feld: feldspar	crb: carbonate	K: potassic
spod: spodumene	peg: pegmatite	xtl(s): crystal(s)	ca: core angle

0.00 – 2.10m OVERBURDEN: casing to bedrock.

2.10 – 21.35m PEGMATITE (LUCY NORTH DIKE): variable white to pink to purple, mg-vcg, massive; highly fractionated lepidolite-albite type pegmatite.

Upper Fractionated Zone @ 2.10-14.41: section @ 2.10-3.87 is white albite, quartz, lithian muscovite, tourmaline & minor altered volcanic inclusions; section @ 3.87-6.44 is mix of white cleavelandite albite, light grey quartz, purple lepidolite, black tourmaline & minor white spod; section @ 6.44-7.88 is mainly grey quartz with white cleavelandite, white spodumene & purple lepidolite; section @ 7.88-14.41 is mainly massive mg purple lepidolite with minor qtz, cleavelandite & spod.

Lower Wall Zone @ 14.41-21.35: mainly dark pink-red to locally white; varies from fg aplitic to cg with about 55% feldspar, 30% qtz, 10% silvery muscovite & 5% garnet with local micaceous sections up to 10cm size that may be digested wallrock inclusions; lower contact ca about 70°.

21.35 – 23.57m BASALT: greenish-grey, fg, schistose; crudely banded section of probable basalt tuff but could be stretched pillowed flow; varies between dark & light coloured chloritic bands from 1mm to 20cm thick; schistosity ca 20° @ 22; becomes brownish-grey & hornfelsed @ 23.27-23.57 with biotite, amphibole & garnet up to pegmatite contact.

23.57 – 36.99m PEGMATITE: white to pink to grey, variable fg-cg, crudely banded; relatively unfractionated wall zone type mica-rich pegmatite; crude banding from 1-30cm thick with fg white to pink qtz-feld aplitic sections alternating with mg-cg darker bands of silvery muscovite, black tourmaline & light pink garnet; top contact extends irregular along core @ 23.55-23.80 with ca 10°; banding ca 30° @ 27, 40° @ 32 & 50° @ 35; lower contact sharp with ca 65°.

36.99 – 44.60m BASALT MASSIVE FLOW: greenish-grey, fg-mg, weakly foliated; probable massive flow; very uniform with minor qtz-crb-chl veinlets & patches; veinlet ca 10° @40.

44.60 – 50.50m BASALT TUFF/BRECCIA: greenish-grey to locally brownish, fg, crudely layered; mix of fine-layered ash tuff to coarse breccia with darker green-grey irregular fragments up to 3x6cm in light green-grey crb-chl matrix; minor brownish biotitic bands appear to reflect metamorphism into lower amphibolite grade; minor pyrrhotite; bedding ca 35° @ 47.5 & 55° @ 49.5.

50.50 End of drill hole; 2 bags cement; pull casing.

LU-12-5 Sample Intervals & Assays:

Sample #	Interval Start	Interval End (m)	Core Width (m)	Ta,Li (%)
524810	2.10	3.12	1.02	
524811	3.12	3.87	0.75	
524812	3.87	5.24	1.37	
524813	5.24	6.44	1.20	
524814	6.44	7.88	1.44	
524815	7.88	9.49	1.61	
524816	9.49	11.15	1.66	
524817	11.15	12.75	1.60	
524818	12.75	14.41	1.66	
524860	14.41	15.20	0.79	
524861	15.20	16.76	1.56	
524862	16.76	18.27	1.51	
524863	18.27	19.87	1.60	
524864	19.87	21.35	1.48	
524865	23.52	25.05	1.53	
524866	25.05	26.50	1.45	
524867	26.50	27.99	1.49	
524868	27.99	29.50	1.51	
524869	29.50	31.04	1.54	
524870	31.04	32.50	1.46	
524871	32.50	34.00	1.50	
524872	34.00	35.50	1.50	
524873	35.50	36.99	1.49	

DRILL LOG: LU-12-6

Company/Project/Zone: Core Mining; Lucy Property; Lucy South Dike
Claim: SV11361, LUCY 1
Collar Location: UTM, NAD83, Z15: 321727E / 5502735N; Grid 2875E / 4975N
Core Size/Planned Orientation/Total Depth: BT; -90°; 62.50m
Drilled By/Date: Bodnar Drilling Ltd; April, 2012
Core Storage: Cross-piled at rural property owned by William Hood approximately 25 km north of town of Beausejour, Manitoba.
Logged By: William C. Hood, P.Geo.
Notes: Testing for northerly extension of the Lucy South pegmatite & spodumene zone.

Summary Log; LU-12-6:

From (m)	To (m)	Rock Type	Ta/Li Assay Intersections
0.00	10.00	Casing to bedrock	
10.00	31.96	Basalt; pillowed flow	
31.96	32.23	Pegmatite	
32.23	50.18	Basalt; pillowed flow	
50.18	50.59	Pegmatite	
50.59	62.50e	Basalt; pillowed flow	

Detailed Log (m):

Note frequently used abbreviations:

fg: fine-grained	mg: medium-grained	cg: coarse-grained	vcg: very coarse-grained
qtz: quartz	feld: feldspar	crb: carbonate	K: potassic
spod: spodumene	peg: pegmatite	xtl(s): crystal(s)	ca: core angle

0.00 – 10.00m OVERBURDEN: casing to bedrock; granite, granodiorite & diorite boulders.

10.00 – 31.96m PILLOWED BASALT FLOW: greenish-grey to locally brownish, fg, crudely layered/banded; probable pillowed flow but drilling almost directly down schistosity & layering or elongation of pillows; mostly light greenish-grey material that may be pillow interiors but with frequent irregular bands up to 5cm thick of dark green-grey chloritic selvage material that is frequently altered to brown biotite; frequent white qtz-crb stringers & patches tend to occur between dark selvage bands & are probably inter-pillow fillings; trace pyrrhotite; ca on chloritic selvages 5° @ 11.5 & 16.0, 10° @ 18.0, 24.0, 27.0 & 30.0.

31.96 – 32.23 PEGMATITE: white, mg-cg, massive; about 65% white albite, 30% grey qtz & 5% light brown muscovite; top & bottom contact ca about 80° & crosscuts schistosity.

32.23 – 50.18 PILLOWED BASALT FLOW: generally as @ 10.00-31.96 but with pillow selvages less abundant & less brownish biotite alteration; ca on chloritic selvages 10° @ 36.0 & 40.5, 5° @ 43.0 7 46.0, 20° @ 50.0.

50.18 – 50.59 PEGMATITE: white to light pink, fg-mg, massive to banded; narrow pegmatite that is mg feld, qtz & tourmaline in top half with fg banded garnetiferous aplite in bottom half; top contact ca 40°, lower contact 65°.

50.59 – 62.50 PILLOWED BASALT FLOW: generally as @ 10.00-31.96 but with pillow selvages slightly less abundant & less brown biotite alteration; ca on pillow selvages 10° @ 51.0, 5° @ 55.0, 0° @ 58.0 & 61.0.

62.50 End of drill hole; 2 bags cement; pull casing.

LU-12-6 Sample Intervals & Assays:

Sample #	Interval Start	Interval End (m)	Core Width (m)	Ta,Li (%)
524874	31.95	32.23	0.28	
524875	50.16	50.60	0.44	

DRILL LOG: LU-12-7

Company/Project/Zone: Core Mining; Lucy Property; Lucy South Dike
Claim: SV11361, LUCY 1
Collar Location: UTM, NAD83, Z15: 321733E / 5502787N; Grid 2875E / 5025N
Core Size/Planned Orientation/Total Depth: BT; -90°; 65.50m
Drilled By/Date: Bodnar Drilling Ltd; April, 2012
Core Storage: Cross-piled at rural property owned by William Hood approximately 25 km north of town of Beausejour, Manitoba.
Logged By: William C. Hood, P.Geo.
Notes: Testing for northerly extension of the Lucy South pegmatite & spodumene zone.

Summary Log; LU-12-7:

From (m)	To (m)	Rock Type	Ta/Li Assay Intersections
0.00	5.25	Casing to bedrock	
5.25	47.13	Basalt; pillowed flow/breccia	
47.13	48.37	Pegmatite	
48.37	49.24	Basalt; pillowed flow/breccia	
49.24	56.18	Pegmatite	
56.18	65.50e	Basalt; pillowed flow	

Detailed Log (m):

Note frequently used abbreviations:

fg: fine-grained	mg: medium-grained	cg: coarse-grained	vcg: very coarse-grained
qtz: quartz	feld: feldspar	crb: carbonate	K: potassic
spod: spodumene	peg: pegmatite	xtl(s): crystal(s)	ca: core angle

0.00 – 5.25m OVERBURDEN: casing to bedrock; granite boulders.
5.25 – 47.13m PILLOWED BASALT FLOW/BRECCIA: blotchy light to dark greenish-grey, fg, schistose to crudely banded; mix of stretched pillowed flows & pillow breccia; pillows have abundant light green-grey irregular altered/bleached patched throughout which give this rock

almost a fragmental appearance; pillow margins typically consist of a central white qtz-crb patch up to 3cm thick flanked by dark green-grey chloritic selvages up to 1cm thick; some sections with irregular patches might be alteration or fragments or pillow breccia; minor pyrrhotite & trace chalcopyrite mostly associated with pillow selvages & interpillow qtz-crb; schistosity ca 20° @ 8.5, 10° @ 13.0, 16.0 & 19.0; below 21.0 drilling appears to be going directly down schistosity & pillow elongation (i.e. ca 0°-10°); becomes weakly sheared & hornfelsed @ 46.85-47.13 with ca 30°.

47.13 – 48.37 PEGMATITE: white to pink to grey, fg-mg, massive to crudely banded; primitive wall zone type pegmatite; about 40% feld, 30% qtz, 15% tourmaline, 5% muscovite/biotite, 5% garnet & minor holmquistite; top contact ca 30°, lower contact 50°.

48.37 – 49.24 PILLOWED BASALT FLOW/BRECCIA: generally as @ 5.25-47.13 but weakly hornfelsed & less schistose; weakly schistose & altered @ 48.37-48.45 & 49.15-49.24 parallel to pegmatite contacts.

49.24 – 56.18 PEGMATITE: white to light pink to grey, fg-mg, crudely banded; primitive wall zone type pegmatite with about 60% groundmass of fg aplitic albite, qtz & garnet with about 40% dark mg bands parallel to walls of muscovite, tourmaline, probable holmquistite & garnet; top contact ca 35°, lower contact irregular; altered inclusion of basalt @ 55.49-55.75 with ca 30°.

56.18 – 65.50 PILLOWED BASALT FLOW: generally as @ 5.25-47.13; schistosity ca 15° @ 57.0, 10° @ 61.0 & 64.0.

65.50 End of drill hole; 2 bags cement; pull casing.

LU-12-7 Sample Intervals & Assays:

Sample #	Interval Start	Interval End (m)	Core Width (m)	Ta,Li (%)
524876	47.11	48.37	1.26	
524877	49.24	50.64	1.40	
524878	50.64	52.06	1.42	
524879	52.06	53.42	1.36	
524880	53.42	54.78	1.36	
524881	54.78	56.18	1.40	

DRILL LOG: LU-12-8

Company/Project/Zone: Core Mining; Lucy Property; Lucy South Dike
Claim: SV11361, LUCY 1
Collar Location: UTM, NAD83, Z15: 321623E / 5502759N; Grid 2775E / 4970N
Core Size/Planned Orientation/Total Depth: BT; -90°; 59.50m
Drilled By/Date: Bodnar Drilling Ltd; April, 2012

Core Storage: Cross-piled at rural property owned by William Hood approximately 25 km north of town of Beausejour, Manitoba.
Logged By: William C. Hood, P.Geo.
Notes: Testing for northerly extension of the Lucy South pegmatite & spodumene zone.

Summary Log; LU-12-8:

From (m)	To (m)	Rock Type	Ta/Li Assay Intersections
0.00	11.50	Casing to bedrock	
11.50	29.77	Basalt; massive flow	
29.77	51.23	Pegmatite	
51.23	59.50e	Basalt; pillowed flow	

Detailed Log (m):

Note frequently used abbreviations:

fg: fine-grained	mg: medium-grained	cg: coarse-grained	vcg: very coarse-grained
qtz: quartz	feld: feldspar	crb: carbonate	K: potassic
spod: spodumene	peg: pegmatite	xtl(s): crystal(s)	ca: core angle

0.00 – 11.50m OVERBURDEN: casing to bedrock; granite boulders.
11.50 – 29.77m MASSIVE BASALT FLOW: grey, fg-mg, foliated to weakly schistose; probable massive flow but could be gabbro intrusive; comprises about 60% dark grey pyroxene altered to amphibole-biotite & 40% light grey altered plagioclase; minor white to light grey irregular qtz-crb veinlets & patches up to 1cm thick; veinlet ca 5° @ 14.5 & 20.5; irregular patch of white qtz-crb @ 22.08-22.30; foliation ca 10° @ 24.0 & 28.0; section @ 28.85-29.77 up to contact with peg becomes altered & crudely banded with irregular schistosity & is possibly sheared.
29.77 – 51.23 PEGMATITE: mostly light pink, varies from fg-cg, crudely banded; commonly light pink & aplitic with banding defined by cg sections of silvery muscovite & black tourmaline; primitive wall zone type pegmatite; overall about 55% light pink feld, 30% grey qtz, 10% silvery muscovite, 5% black tourmaline & minor light pink garnet; top contact ca 40°; irregular patch of black biotite schist from digested inclusion extends along edge of core @ 32.2-32.6; banding ca is very irregular @ 29.77-41.50; about 40cm of core missing is section of ground core @ 41.5-42.4; banding ca 10° @ 42.5 & 44.0, 35° @ 47.0 & 50.0; lower contact sharp @ ca 60°.
51.23 – 59.50 PILLOWED BASALT FLOW: greenish-grey, fg, weakly schistose; probable pillowed flow with local dark chloritic selvages & associated interpillow qtz-crb & other veinlets & patches; schistosity ca 10° @ 55.5
59.50 End of drill hole; 2 bags cement; pull casing.

LU-12-8 Sample Intervals & Assays:

Sample #	Interval Start	Interval End (m)	Core Width (m)	Ta,Li (%)
524882	29.76	30.45	0.69	
524883	30.45	31.88	1.43	
524884	31.88	33.32	1.44	
524885	33.32	34.80	1.48	
524886	34.80	36.21	1.41	
524887	36.21	37.68	1.47	
524888	37.68	39.09	1.41	
524889	39.09	40.53	1.44	
524890	40.53	41.99	1.46	
524891	41.99	43.48	1.49	
524892	43.48	44.94	1.46	
524893	44.94	46.44	1.50	
524894	46.44	47.87	1.43	
524895	47.87	49.35	1.48	
524896	49.35	50.75	1.40	
524897	50.75	51.23	0.48	

DRILL LOG: LU-12-9

Company/Project/Zone: Core Mining; Lucy Property; Lucy South Dike
Claim: SV11361, LUCY 1
Collar Location: UTM, NAD83, Z15: 321638E / 5502705N; Grid 2780E / 4925N
Core Size/Planned Orientation/Total Depth: BT; -90°; 59.50m
Drilled By/Date: Bodnar Drilling Ltd; April, 2012
Core Storage: Cross-piled at rural property owned by William Hood approximately 25 km north of town of Beausejour, Manitoba.
Logged By: William C. Hood, P.Geo.
Notes: Testing for northerly extension of the Lucy South pegmatite & spodumene zone.

Summary Log; LU-12-9:

From (m)	To (m)	Rock Type	Ta/Li Assay Intersections
0.00	3.15	Casing to bedrock	
3.15	20.93	Basalt; pillowed flow	

20.93	28.93	Pegmatite	
28.93	29.33	Basalt	
29.33	29.71	Pegmatite	
29.71	44.50e	Basalt; pillowed flow	

Detailed Log (m):

Note frequently used abbreviations:

fg: fine-grained	mg: medium-grained	cg: coarse-grained	vcg: very coarse-grained
qtz: quartz	feld: feldspar	crb: carbonate	K: potassic
spod: spodumene	peg: pegmatite	xtl(s): crystal(s)	ca: core angle

0.00 – 3.15m OVERBURDEN: casing to bedrock; granodiorite pebbles.
3.15 – 20.93m PILLOWED BASALT FLOW: greenish-grey, fg, schistose; probable pillowed flow; crudely banded with light & dark material that is probably stretched pillows; minor dark green-grey bands up to 2cm thick are probably pillow selvages & are associated with seams & patches of crb up to 3cm thick that is probably inter-pillow fill; irregular light coloured patches are probably bleached sections in pillows; minor brownish biotite; rusty fracture & broken core @ 4.3-4.6; schistosity ca 25° @ 5.0, 15° @ 10.0 & 15.0, 20° @ 19.0; rusty fracture & broken altered core @ 20.10-20.33.
20.93 – 28.93 PEGMATITE: light pink, varies fg-cg, massive to crudely banded; primitive wall zone type pegmatite; top section @ 20.33-21.65 is cg lithology with 50% pink K-feld, 30% grey qtz, 15% yellowish-brown muscovite, 5% black tourmaline, minor albite & minor garnet; lower section @ 21.65-28.93 is fg-mg aplitic & crudely banded with 55% white to pink feld, 30% qtz, 5% muscovite, 5% tourmaline & 5% garnet with banding defined by mg bands up to 5cm thick with muscovite, tourmaline & garnet; top contact ca 55°, lower contact 45°; banding ca 50° @ 22.0 & 40° @ 20.5; banding ca becomes variable between 24.0-28.0 & varies from 10° to 80°.
28.93 – 29.33 BASALT: green-grey, fg, schistose; altered & hornfelsed.
29.33 – 29.71 PEGMATITE: light pink, mg, massive; primitive wall zone type pegmatite; top contact ca 70°, lower contact irregular trending 30°.
29.71 – 44.50 PILLOWED BASALT FLOW: generally as @ 3.15-20.93 but with very low ca with schistosity ca 10° @ 31.0, 0° @ 38.5, 10° @ 43.0.
44.50 End of drill hole; 2 bags cement; pull casing.

LU-12-9 Sample Intervals & Assays:

Sample #	Interval Start	Interval End (m)	Core Width (m)	Ta,Li (%)
524898	20.33	21.65	1.32	
524899	21.65	23.09	1.44	
524900			blank	
634432	23.09	24.40	1.31	

634433	24.40	25.85	1.45	
634434	25.85	27.25	1.40	
634435	27.25	28.68	1.43	
634436	28.68	29.72	1.04	

DRILL LOG: LU-12-10

Company/Project/Zone: Core Mining; Lucy Property; Lucy South Dike
Claim: SV11361, LUCY 1
Collar Location: UTM, NAD83, Z15: 321574E / 5502708N; Grid 2720E / 4930N
Core Size/Planned Orientation/Total Depth: BT; -90°; 49.50m
Drilled By/Date: Bodnar Drilling Ltd; April, 2012
Core Storage: Cross-piled at rural property owned by William Hood approximately 25 km north of town of Beausejour, Manitoba.
Logged By: William C. Hood, P.Geo.
Notes: Testing for northerly extension of the Lucy South pegmatite & spodumene zone.

Summary Log; LU-12-10:

From (m)	To (m)	Rock Type	Ta/Li Assay Intersections
0.00	1.02	Casing to bedrock	
1.02	20.07	Basalt; massive flow	
20.07	27.71	Pegmatite (Lucy South Dike)	
27.71	31.93	Basalt; massive flow	
31.93	37.50	Pegmatite	
37.50	41.38	Basalt; massive flow	
41.38	43.30	Basalt; sheared, altered	
43.30	49.50e	Basalt; massive flow	

Detailed Log (m):

Note frequently used abbreviations:

fg: fine-grained	mg: medium-grained	cg: coarse-grained	vcg: very coarse-grained
qtz: quartz	feld: feldspar	crb: carbonate	K: potassic
spod: spodumene	peg: pegmatite	xtl(s): crystal(s)	ca: core angle

0.00 – 1.02 OVERBURDEN: casing to bedrock.

1.02 – 20.07 BASALT: grey, fg-mg, foliated to schistose; probable massive flow; comprises approximately 45% dark grey mafic minerals probably mostly pyroxene which has been altered to a varying combination of amphibole, chlorite & biotite with a "stringy" appearance; about 55% light grey plagioclase which has been altered mainly to crb; frequent irregular veinlets, seams & patches of light grey crb-qtz-chlorite-feldspar; trace pyrrhotite; veinlet ca 25° @ 4 & 12; rusty fracture in broken core @ 13.0-13.25; schistosity ca wavy & 5° @ 13.5; narrow stringer of pink peg up to 5cm thick extends along & across broken rusty core @ 13.82-15.05; schistosity ca 20° @ 18.0; schistosity ca stays about 10-20° @ 18.0 down to sharp cut-off by top of peg.
20.07 – 27.71 PEGMATITE: light pink, fg-cg, massive to crudely banded; badly broken up core in this lithology; poorly fractionated peg with minor altered spod; mix of cg sections & fg-mg banded aplitic sections; overall composition is about 1% pink-brown garnet, 4% black tourmaline, 10% light yellowish-brown muscovite, 25% grey qtz, 50% light pink K-feldspar, 10% white albite & minor probable holmquistite; top contact sharp @ 80° ca; section @ 20.07-22.15 is cg with minor light green altered spod; section @ 22.15-27.71 is a mix of crudely banded garnetiferous aplite with cg peg but banding is irregular.
27.71 – 31.93 BASALT: generally as @ 1.02-20.07; schistosity ca 15° @ 29 & 31.5.
31.93 – 37.50 PEGMATITE: generally as @ 20.07-27.71; relatively unfractionated peg with no spod; mainly cg peg @ 31.93-34.81 & then mainly fg-mg banded garnetiferous aplites @ 34.81-37.50; top contact sharp @ ca 70°, lower contact 55°.
37.50 – 41.38 BASALT: generally as @ 1.02-20.07 & 27.71-31.93; light grey qtz-chlorite vein @ 38.76-39.01 with top contact sharp @ ca 45° & lower contact irregular.
41.38 – 43.30 SHEARED ALTERED BASALT: greenish-grey, fg-mg, schistose; weakly sheared & chlorite-crb altered section of basalt; heavily sheared @ 42.40-43.25 with frequent qtz-crb seams & patches & ca 30°.
43.30 – 49.50 BASALT: generally as @ 1.02-20.07 & 37.50-41.38; veinlet ca 20° @ 48.0.
44.50 End of drill hole; 2 bags cement; pull casing.

LU-12-10 Sample Intervals & Assays:

Sample #	Interval Start	Interval End (m)	Core Width (m)	Ta,Li (%)
634437	20.07	20.75	0.68	
634438	20.75	22.15	1.40	
634439	22.15	23.20	1.05	
634440	23.20	24.40	1.20	
634441	24.40	25.75	1.35	
634442	25.75	27.13	1.38	
634443	27.13	27.71	0.58	
634444	31.93	33.38	1.45	
634445	33.38	34.81	1.43	
634446	34.81	36.17	1.36	
634447	36.17	37.50	1.33	

DRILL LOG: LU-12-11

Company/Project/Zone: Core Mining; Lucy Property; Lucy North Dike
Claim: SV11361, LUCY 1
Collar Location: UTM, NAD83, Z15: 321663E / 5502762N; Grid 2807E / 4998N
Core Size/Planned Orientation/Total Depth: BT; -50°/330°az; 50.50m
Drilled By/Date: Bodnar Drilling Ltd; April, 2012
Core Storage: Cross-piled at rural property owned by William Hood approximately 25 km north of town of Beausejour, Manitoba.
Logged By: William C. Hood, P.Geo.
Notes: Testing lepidolite-bearing section of Lucy North dike. Drilled from same setup and above hole LU-12-12.

Summary Log; LU-12-11:

From (m)	To (m)	Rock Type	Ta/Li Assay Intersections
0.00	4.70	Casing to bedrock	
4.70	5.62	Basalt; pillowed flow	
5.62	37.55	Pegmatite (Lucy North Dike)	
37.55	39.32	Basalt; hornfelsed	
39.32	43.68	Pegmatite	
43.68	45.85	Basalt	
45.85	50.50e	Diorite dike	

Detailed Log (m):

Note frequently used abbreviations:

fg: fine-grained	mg: medium-grained	cg: coarse-grained	vcg: very coarse-grained
qtz: quartz	feld: feldspar	crb: carbonate	K: potassic
spod: spodumene	peg: pegmatite	xtl(s): crystal(s)	ca: core angle

0.00 – 4.70 OVERBURDEN: casing to bedrock; granite boulders.

4.70 – 5.62 BASALT: greenish-grey, fg, schistose; section of broken core; probable pillowed flow with local dark chloritic selvages & associated crb-qtz interpillow fill; schistosity ca 50° @ 5.0; becomes weakly sheared @ 5.50-5.62 with ca 60°.

5.62 – 37.55 PEGMATITE: mostly white to locally light pink, variable fg-cg, massive to crudely banded; highly fractionated pegmatite with lepidolite & spodumene; top contact ca 70°; broken core @ 5.62-14.50.

Upper Wall Zone @ 5.62-6.40: 5% light pink garnet, 10% black tourmaline, 15% silvery

muscovite, 10% white albite, 25% grey qtz & 35% pink K-feldspar.

Upper Intermediate Zone @ 6.40-9.44: mainly pale purple massive lepidolite @ 6.40-7.56 & then mg-cg white albite (often curved cleavelandite), grey qtz & silvery muscovite @ 7.56-9.44.

Spodumene Core Zone @ 9.44-10.82: about 20% mg-vcg red-stained spodumene with white albite, grey qtz & minor silvery muscovite.

Lower Wall Zone @ 10.82-37.55: this section has crude aplitic banding; about 5% red-brown garnet, 5% black tourmaline + possible holmquistite, 15% silvery to pale lilac muscovite, 20% grey qtz & 55% white to pink fg-mg feldspar mainly albite; banding ca 45° @ 15.5, 20.0 & 23.5, 25° @ 28.5, 30° @ 33.0, 15° @ 36.0; lower contact ca about 60°.

37.55 – 39.32 BASALT: grey, fg, schistose; altered & hornfelsed section of basalt; schistosity ca 20° @ 38.5.

39.32 – 43.68 PEGMATITE: pink, fg-mg, crudely banded; primitive wall zone type pegmatite; top contact ca about 5° & crosses core @ 38.95-39.40; about 5% light pink garnet, 5% black tourmaline, minor muscovite, 25% grey qtz & 65% pink aplitic feldspar; basalt wallrock extends along edge of core @ 42.45-42.75; lower contact ca 35°; this dike is probably < 1m thick.

43.68 – 45.85 BASALT: generally as @ 37.55-39.32; schistosity ca 10° @ 45.0.

45.85 – 50.50 DIORITE DIKE: grey, mg, schistose; weakly sheared probable dike that is marginal between feldspar porphyry & diorite; consists of about 40% light grey elongate feld crystals up to 2x4mm & minor qtz in dark chloritic groundmass; rock has strong (flow) foliation or weak shearing; top contact ca about 5° & extends along core from 45.60-46.05; foliation ca 10° @ 50.0

50.50 End of drill hole; 2 bags cement; pull casing.

LU-12-11 Sample Intervals & Assays:

Sample #	Interval Start	Interval End (m)	Core Width (m)	Ta,Li (%)
634448	5.62	6.40	0.78	
634449	6.40	7.56	1.16	
634450	7.56	8.25	0.69	
634451	8.25	9.44	1.19	
634452	9.44	10.82	1.38	
634453	10.82	11.80	0.98	
634454	11.80	13.10	1.30	
634455	13.10	14.50	1.40	
634456	14.50	16.00	1.50	
634457	16.00	17.50	1.50	
634458	17.50	19.00	1.50	
634459	19.00	20.50	1.50	
634460	20.50	22.00	1.50	
634461	22.00	23.50	1.50	
634462	23.50	25.00	1.50	

634463	25.00	26.50	1.50	
634464	26.50	28.00	1.50	
634465	28.00	29.50	1.50	
634466	29.50	31.00	1.50	
634467	31.00	32.50	1.50	
634468	32.50	34.00	1.50	
634469	34.00	35.50	1.50	
634470	35.50	37.00	1.50	
634471	37.00	37.55	0.55	
634472	39.32	40.75	1.43	
634473	40.75	42.24	1.49	
634474	42.24	43.70	1.46	

DRILL LOG: LU-12-12

Company/Project/Zone: Core Mining; Lucy Property; Lucy North Dike
Claim: SV11361, LUCY 1
Collar Location: UTM, NAD83, Z15: 321663E / 5502762N; Grid 2807E / 4998N
Core Size/Planned Orientation/Total Depth: BT; -70°/330°az; 59.50m
Drilled By/Date: Bodnar Drilling Ltd; April, 2012
Core Storage: Cross-piled at rural property owned by William Hood approximately 25 km north of town of Beausejour, Manitoba.
Logged By: William C. Hood, P.Geo.
Notes: Testing lepidolite-bearing section of Lucy North dike. Drilled from same setup and below hole LU-12-11.

Summary Log; LU-12-12:

From (m)	To (m)	Rock Type	Ta/Li Assay Intersections
0.00	3.50	Casing to bedrock	
3.50	5.98	Basalt; pillowed flow	
5.98	36.37	Pegmatite (Lucy North Dike)	
36.37	59.50e	Basalt	

Detailed Log (m):

Note frequently used abbreviations:
fg: fine-grained mg: medium-grained cg: coarse-grained vcg: very coarse-grained

qtz: quartz feld: feldspar crb: carbonate K: potassic
spod: spodumene peg: pegmatite xtl(s): crystal(s) ca: core angle

0.00 – 3.50 OVERBURDEN: casing to bedrock; granite & granodiorite boulders.
3.50 – 5.98 BASALT: greenish-grey, fg, crudely banded & schistose; pillowed flow; crude banding from 5mm to 10cm of light & dark chloritic schist & white crb-qtz seams up to 1cm thick; dark bands are probably pillow selvages & are usually associated with crb-qtz; schistosity ca 10° @ 4.0 & 35° @ 5.5; clay-silt seam @ 5.85-5.95.
5.98 – 36.37 PEGMATITE: white to light pink, fg-cg, massive to crudely banded; broken core down to 17.5 with near pervasive reddish weathering staining; this is highly fractionated pegmatite with lepidolite & minor tantalite xtls.

Wall Zone @ 5.98-7.20: mg-cg mix of K-feld, albite, qtz, muscovite & tourmaline.

Upper Intermediate Zone @ 7.20-12.70: mainly massive light purple lepidolite @ 7.20-8.20 then mg albite (often cleavelandite), qtz & muscovite @ 8.20-12.70.

Core Zone @ 12.70-15.40: mg-vcg mix of 5% altered spod, 10% K-feld, 5% muscovite, 40% albite && 40% qtz with minor tantalite xtls @ 14.3-14.8.

Lower Wall Zone @ 15.40-36.37 with crude aplitic banding & about 5% red-brown garnet, 5% black tourmaline & possible holmquistite, 15% silvery to pale lilac muscovite, 20% grey qtz & 55% white to light pink fg-mg feld mainly albite; banding ca 40° @ 20.5, 55° @ 24.5 & 30° @ 32.0; banding ca becomes variable @ 33.0-36.37 & locally switches in opposite directions; lower contact ca 45° & cuts schistosity in wallrock.
36.37 – 59.50 BASALT: greenish-grey, fg, schistose; probable massive flow; very uniform rock with low core angles; schistosity ca 10° @ 37.5 & 48.5; light grey qtz-crb veins up to 3cm thick extend along core @ 56.60-59.50 with ca 0-10°.
59.50 End of drill hole; 2 bags cement; pull casing.

LU-12-12 Sample Intervals & Assays:

Sample #	Interval Start	Interval End (m)	Core Width (m)	Ta,Li (%)
634475	5.97	7.20	1.23	
634476	7.20	8.20	1.00	
634477	8.20	9.70	1.50	
634478	9.70	11.20	1.50	
634479	11.20	12.70	1.50	
634480	12.70	14.22	1.52	
634481	14.22	15.40	1.18	
634482	15.40	16.60	1.20	
634483	16.60	17.80	1.20	
634484	17.80	19.00	1.20	
634485	19.00	20.50	1.50	
634486	20.50	22.00	1.50	
634487	22.00	23.50	1.50	
634488	23.50	25.00	1.50	

634489	25.00	26.50	1.50	
634490	26.50	28.00	1.50	
634491	28.00	29.50	1.50	
634492	29.50	31.00	1.50	
634493	31.00	32.50	1.50	
634494	32.50	34.00	1.50	
634495	34.00	35.50	1.50	
634496	35.50	36.38	0.88	

DRILL LOG: LU-12-13

Company/Project/Zone: Core Mining; Lucy Property; Lucy North Dike
Claim: SV11361, LUCY 1
Collar Location: UTM, NAD83, Z15: 321713E / 5502789N; Grid 2857E / 5023N
Core Size/Planned Orientation/Total Depth: BT; -50°/330°az; 35.50m
Drilled By/Date: Bodnar Drilling Ltd; April, 2012
Core Storage: Cross-piled at rural property owned by William Hood approximately 25 km north of town of Beausejour, Manitoba.
Logged By: William C. Hood, P.Geo.
Notes: Testing lepidolite-bearing section of Lucy North dike. Drilled from same setup and above hole LU-12-14.

Summary Log; LU-12-13:

From (m)	To (m)	Rock Type	Ta/Li Assay Intersections
0.00	4.99	Casing to bedrock	
4.99	21.20	Basalt; pillowed flow	
21.20	26.93	Pegmatite (Lucy North Dike)	
26.93	35.50e	Basalt; pillowed flow	

Detailed Log (m):

Note frequently used abbreviations:

fg: fine-grained	mg: medium-grained	cg: coarse-grained	vcg: very coarse-grained
qtz: quartz	feld: feldspar	crb: carbonate	K: potassic
spod: spodumene	peg: pegmatite	xtl(s): crystal(s)	ca: core angle

0.00 – 4.99 OVERBURDEN: casing to bedrock; granite & granodiorite boulders.

4.99 – 21.20 BASALT: greenish-grey, fg, crudely banded & schistose; pillowed flow; crude banding from 5mm to 30cm of light & dark chloritic schist & white qtz-crb seams & patches up to 6cm thick; dark bands up to 2cm thick are probable pillow selvages & are associated with qtz-crb interpillow filling; minor pyrrhotite; schistosity ca 40° @ 8.0, 35° @ 12.5, 20° @ 15.5 & 45° @ 20.5; becomes hornfelsed with biotite & amphibole @ 20.90-21.20 up to contact.

21.20 – 26.93 PEGMATITE: white, fg-cg, crudely banded; highly fractionated lepidolite-albite pegmatite; top contact irregular with altered inclusions of basalt @ 21.20-21.25.

Upper Wall Zone @ 21.20-21.36 with mostly massive light brown muscovite.

Upper Fractionated Zone @ 21.36-22.88 with about 50% purple lepidolite, 30% grey qtz, 20% white albite (locally curved cleavelandite) & minor apatite; foliation ca 50° @ 22.00.

Lower Banded Aplite Zone @ 22.88-26.93 with mainly white fg-mg qtz-feld (mainly albite) aplites with frequent bands up to 10cm thick of mg-cg silvery muscovite plus minor garnet, tourmaline & holmquistite; banding ca 45° @ 23.6 & 50° @ 26.2; lower contact ca 70°.

26.93 – 35.50 BASALT: generally as @ 4.99-21.20 but with minor biotite altered bands & fewer obvious pillow selvages; minor hornfelsing @ 26.93-27.30; schistosity ca 50° @ 28.0 & 60° @ 31.0 & 34.0.

59.50 End of drill hole; 2 bags cement; pull casing.

LU-12-13 Sample Intervals & Assays:

Sample #	Interval Start	Interval End (m)	Core Width (m)	Ta,Li (%)
634497	21.05	21.36	0.31	
634498	21.36	22.88	0.52	
634499	22.88	23.50	0.62	
634500			blank	
639952	23.50	25.00	1.50	
639953	25.00	26.50	1.50	
639954	26.50	26.93	0.43	

DRILL LOG: LU-12-14

Company/Project/Zone: Core Mining; Lucy Property; Lucy North Dike
Claim: SV11361, LUCY 1
Collar Location: UTM, NAD83, Z15: 321713E / 5502789N; Grid 2857E / 5023N
Core Size/Planned Orientation/Total Depth: BT; -70°/330°az; 35.50m
Drilled By/Date: Bodnar Drilling Ltd; April, 2012
Core Storage: Cross-piled at rural property owned by William Hood approximately 25 km north of town of Beausejour, Manitoba.

Logged By: William C. Hood, P.Geo.
Notes: Testing lepidolite-bearing section of Lucy North dike. Drilled from same setup and below hole LU-12-13.

Summary Log; LU-12-14:

From (m)	To (m)	Rock Type	Ta/Li Assay Intersections
0.00	4.30	Casing to bedrock	
4.30	23.99	Basalt; pillowed flow	
23.99	36.24	Pegmatite (Lucy North Dike)	
36.24	44.50e	Basalt; pillowed flow	

Detailed Log (m):

Note frequently used abbreviations:

fg: fine-grained	mg: medium-grained	cg: coarse-grained	vcg: very coarse-grained
qtz: quartz	feld: feldspar	crb: carbonate	K: potassic
spod: spodumene	peg: pegmatite	xtl(s): crystal(s)	ca: core angle

0.00 – 4.30 OVERBURDEN: casing to bedrock; granite & granodiorite boulders.

4.30 – 23.99 BASALT: greenish-grey, fg, schistose; pillowed flow; periodic white qtz-crb seams up to 1cm thick flanked by dark green-grey chloritic bands up to 1cm thick are clearly pillow selvages; trace pyrrhotite; schistosity ca 15° @ 6.5 & 10.0, 10° @ 13.0 & 19.0; becomes increasingly hornfelsed & micaceous @ 23.50-23.99.

23.99 – 36.24 PEGMATITE: pink, fg-cg, crudely banded; highly fractionated lepidolite-albite pegmatite; top contact irregular with altered inclusions of basalt @ 23.99-24.03; lower contact sharp @ ca 65°.

Upper Wall Zone @ 23.99-24.08 with mostly massive light brown muscovite but this could be altered basalt.

Upper Fractionated Zone @ 24.08-26.64 with near massive purple lepidolite-albite @ 24.08-24.41 then crudely banded with mainly dark pink fg-mg feld-qtz aplite with 10% bands of lepidolite up to 10cm thick decreasing in abundance @ 24.41-26.64; banding ca 45° @ 25.0.

Lower Banded Aplite Zone @ 26.64-34.65 with mainly light pink fg-mg feld (mainly albite)-qtz aplites with frequent bands up to 15cm thick of mg-cg silvery muscovite & minor garnet, tourmaline & holmquistite; possible irregular inclusion of wallrock @ 31.93-32.15 altered to muscovite; banding ca 55° @ 30.0.

Altered Inclusion of Basalt @ 34.65-34.74 is completely altered to muscovite but appears to form a divide between upper & lower pegmatite.

Spodumene Zone @ 34.74-35.50 with about 10% white spodumene in cg section of pegmatite.

Lower Banded Aplite Zone @ 35.50-36.24 is generally as @ 26.64-34.65 with abundant tourmaline near lower contact.

36.24 – 44.50 BASALT: generally as @ 4.30-23.99; pillowed flow; altered & hornfelsed @ 36.24-36.95; schistosity ca 10° @ 40.0 & 43.0.
44.50 End of drill hole; 2 bags cement; pull casing.

LU-12-14 Sample Intervals & Assays:

Sample #	Interval Start	Interval End (m)	Core Width (m)	Ta,Li (%)
634455	23.71	24.03	0.32	
634456	24.03	24.41	0.38	
634457	24.41	25.38	0.97	
634558	25.38	26.64	1.26	
639959	26.64	27.21	0.57	
639960	27.21	28.68	1.47	
639961	28.68	30.21	1.53	
639962	30.21	31.71	1.50	
639963	31.71	33.20	1.49	
639964	33.20	34.69	1.49	
639965	34.69	35.50	0.81	
639966	35.50	36.24	0.74	

APPENDIX II – PHOTOGRAPHS

Photo 1. “Red”, Jesse, Kirby and Luke the dog in front of drill on hole LU-12-1 (March, 2012).

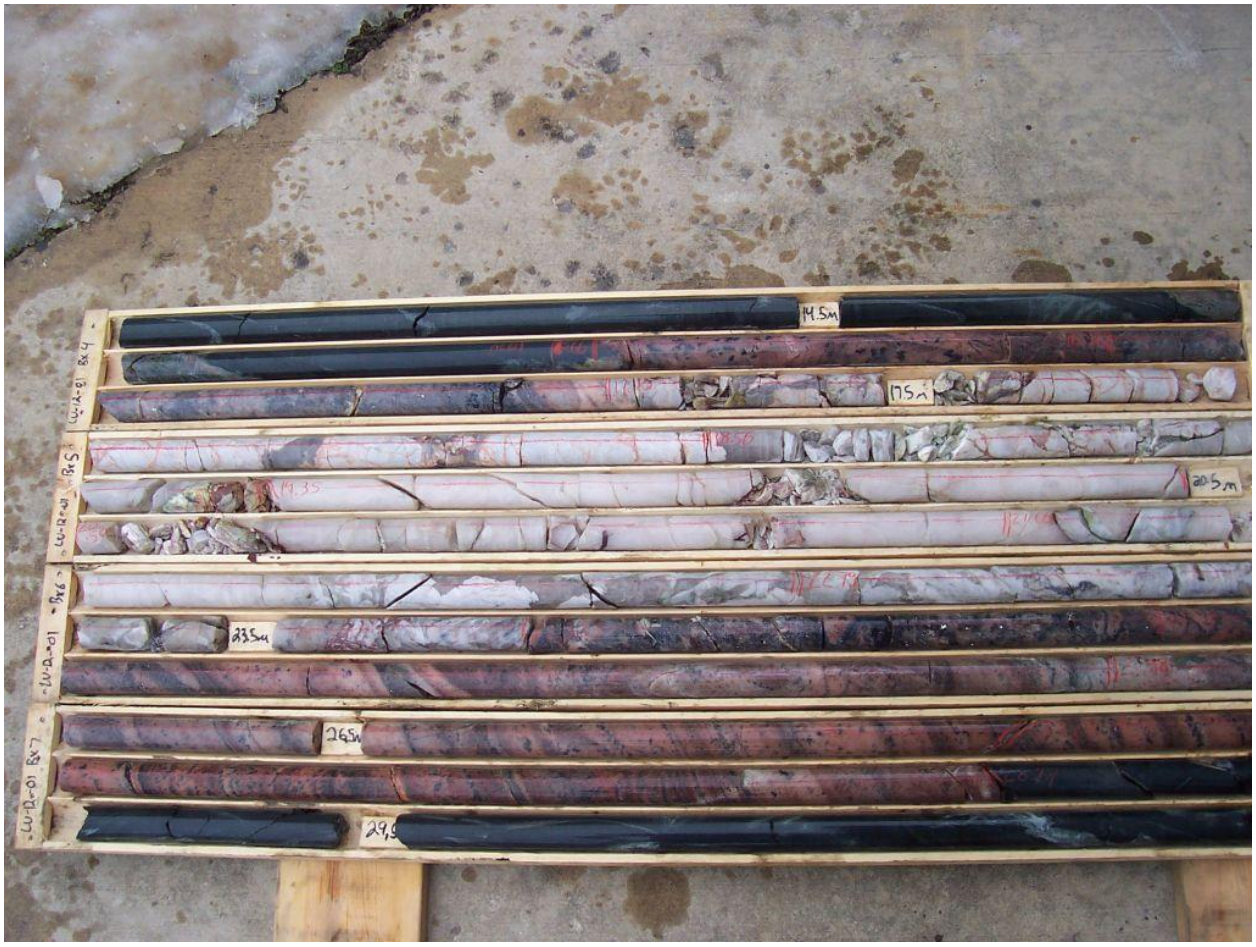

Photo 2. Core intersection of Lucy South Dike from hole LU-12-1 showing white coloured upper fractionated zones and lower pink coloured poorly-fractionated banded aplites and wall zones (March, 2012).

Photo 3. Lepidolite-albite lithology in upper fractionated zone from drill hole LU-12-5 on Lucy North Dike (March, 2012).