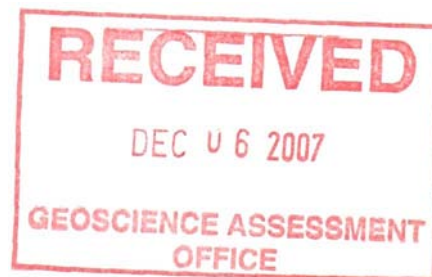


2.36601

**A Report on the  
Laurion Mineral Exploration Inc.  
2006 Diamond Drilling Program  
Enid-Massey Project**

**Enid, Massey, Cote and Fortune Townships, Ontario  
Porcupine Mining Division,  
NTS: 42 A/12**

**By  
Leslie Allan Tihor, Geologist  
January, 2007**



## Table of Contents

### **List of Figures and Tables**

<b>1. Summary.....</b>	<b>4</b>
<b>2. Introduction and Terms of Reference.....</b>	<b>4</b>
<b>3. Property Description and Location.....</b>	<b>4</b>
<b>4. Accessibility.....</b>	<b>4</b>
<b>5. History.....</b>	<b>5</b>
<b>6. Geological Setting.....</b>	<b>7</b>
<b>6.1. Regional Bedrock Geology and Mineralization</b>	
<b>6.2. Property Bedrock Geology and Mineralization</b>	
<b>7. 2006 Diamond Drilling Program.....</b>	<b>7</b>
<b>7.1 Purpose of 2006 Drilling Program</b>	
<b>7.2 Nature of 2006 Drilling Program</b>	
<b>7.3 Drilling Results</b>	
<b>8. Conclusions and Recommendations.....</b>	<b>10</b>
<b>8.1 Talaos Sector</b>	
<b>8.2 Argos Sector</b>	
<b>8.3 Santrap Sector</b>	
<b>9. Certificate of Author's Qualifications.....</b>	<b>11</b>
<b>10. References.....</b>	<b>12</b>

## List of Figures

**Fig. 1 – Enid-Massey Property Location.....5**

### Figures in Back of Report

**Fig. 2 – Property Claim Map**

**Fig. 3 – Plan map of Talaos Grid drill holes**

**Fig. 4 – Plan map of West Grid, Argos drill holes**

**Fig. 5 – Plan map of East Grid, Argos drill holes**

**Fig. 6 – Plan map of Santrap Grid drill holes**

**Fig. 7 – Cross-section hole TA-06-01**

**Fig. 8 -- Cross-section hole TA-06-02**

**Fig. 9 -- Cross-section hole TA-06-03**

**Fig. 10 -- Cross-section hole AR-06-01**

**Fig. 11 – Cross-section hole AR-06-02**

**Fig. 12 -- Cross-section hole AR-06-03**

**Fig. 13 -- Cross-section holes SA-06-01, SA-06-03 & SA-06-05**

**Fig. 14 -- Cross-section holes SA-06-02 & SA-06-04**

## Appendices

**Appendix A.           Diamond Drill Logs**

**Appendix B.           Assay Certificates**

## 1. Summary

During 2006 Laurion Mineral Exploration Inc. (LME) completed 11 NQ diamond drill holes, totaling 1526m on the Enid-Massey property. The program tested airborne conductors detected by LME's recent AeroTEM helicopter geophysical survey and detailed with ground geophysical surveys. Host rocks and styles of alteration/deformation indicated potential Ni/Cu/PGM targets in gabbros and VMS targets hosted by mafic and felsic volcanics. All conductors drilled were explained by massive to near massive sulphides, usually pyrrhotite with lesser amounts of pyrite. The sulphides are typically anomalous in one or more of Cu, Zn, Ag and Au.

Diamond drilling was carried out in three property sectors, Talaos, Argos and Santrap. (Fig. 2). Results in the **Talaos Sector** were not encouraging and no further work is planned in that Sector. Drilling in the **Argos Sector** found minor massive sulphides associated with a regional felsic/mafic volcanic contact. The best intersection was 1.4% Zn over 3m in hole AR-06-03. MMI soil sampling is recommended for this sector. The **Santrap Sector** produced the most promising results. Many massive sulphide zones, usually enriched in Zn or Cu or both were found associated with the contact area of chloritized rhyolite and basalt. Assays included 0.95% Zn over 2.8m in hole SA-06-02, 0.23% Zn over 8.1m in SA-06-04, strong Cu values of approximately 0.2% over much of hole SA-06-05 and interesting Au values up to 804ppb. A comprehensive program of line cutting, geophysical surveying and diamond drilling is recommended for the Santrap Sector.

## 2. Introduction and Terms of Reference

This is a report of diamond drilling carried out during 2006 by Laurion Mineral Exploration Inc. on property staked or optioned by LME during 2005 and 2006.

## 3. Property Description and Location

The Enid-Massey Property is located in Enid, Massey, Cote and Fortune Townships, in the Porcupine Mining Division, about 35 km west of Timmins, Ontario (fig. 1). It is bounded by UTM NAD83 coordinates 430000E to 447000E and 5373000N to 5384000N. The property consists of 56 staked claims containing 589 units, or approximately 9535 hectares and has been divided into sectors for reference purposes. Diamond drilling described in this report was carried out in the Santrap, Talaos and Argos Sectors.

## 4. Accessibility

Immediately west of Timmins, just west of the Tembec sawmill, a high-speed, all-weather gravel road proceeds northwest from paved highway 101. This main gravel road, commonly known as Mallette Road or Montcalm Mine Road, traverses the Enid-Massey property from about kilometer 31 to kilometer 44. All drill sites reported herein are

within 1 km of Mallette Road, or near Winter Lake Road, which proceeds north from km 20 of Mallette Road.



Fig. 1 – Property Location

The property

## 5. History

As the Enid-Massey property is very large, previous work will be described for only those property sectors, Santrap, Talaos and Argos, for which diamond drilling is being reported in this report.

### 5.1. Santrap Sector:

In 1965, **Mespi Mines Ltd** contracted Canadian Aero Mineral Surveys Limited to fly airborne EM and Magnetics over a portion of northeast Enid Township. The south-central part of the survey overflew LME's Santrap Sector drilling area. The Mespi survey

showed only two weak conductors, both of which are located about 900 m east of LME's current drilling. They did not follow up on these conductors.

In 1977, **Noranda Exploration Co. Ltd** drilled two short X-Ray drill holes. Exact location is unknown but is believed to be near current hole SA-06-02. They reported basalt, silicified tuff, felsic porphyries, oxide iron formation and "a few narrow sections display fair conductivity" They found "up to 5% sulphide mineralization, chiefly pyrite with some chalcopyrite". Their drill logs show only two samples assayed, one of which is weakly anomalous in Ag, Cu and Zn.

In 2006, **Laurion Gold Inc.** contracted Aeroquest to fly an AeroTEM EM and Magnetic survey over the entire claim block. A cluster of previously untested weak to moderate conductors were found within the Santrap Sector. This was followed up by ground Mag, MaxMin II EM and I.P. surveys over the eastern part of the anomaly cluster. EM and I.P. anomalies guided the current diamond drill program.

## **5.2. Talaos Sector:**

There is no record in MNDM files of work in the Talaos Sector previous to Laurion's staking. However, immediately to the southwest :

From 1990 to 1993, **J. Boissoneault** carried out conventional and geophysical prospecting on a cluster of 3 airborne conductors. The work involved prospecting, geological mapping, ground magnetic surveying, MaxMin EM surveying and RADEM VLF EM surveying.

In 1997 **Loubel Exploration** drilled 3 diamond drill holes totaling 964 feet on the Boissoneault claims. The drilling encountered narrow stringers of pyrite and pyrrhotite with trace amounts of chalcopyrite hosted by mafic volcanics.

In 1999, **Chris Dupont and John Boissoneault** contracted 4 BQ size diamond drill holes totaling 311.4m. The drilling targeted coincident Cu/Zn geochemical anomalies and I.P. chargeability anomalies. Only disseminated pyrite and pyrrhotite were found with no Cu or Zn values.

In 2006, Laurion Gold Inc. included this area in their airborne survey and followed up with ground Mag, MaxMin II EM and I.P.

## **5.3 Argos Sector:**

In 1964, **Magnet Consolidated, Yukeno and New Rouyn Merger Mines Ltd** carried out ground Magnetic, Sharpe SE-200 EM and Ronka Mark IV EM on a portion of 17 claims including the area designated herein as the West Grid of the Argos Sector of LME's property. At least one attractive EM conductor was found and a program of geochemical soil sampling was recommended. There is no indication of further work.

In 1965, **Globe Exploration & Mining Co. Ltd**, carried out soil sampling on the area of LME's present East Grid of the Argos Sector. No geochemical anomalies of interest were

reported. They also carried out ground magnetic and EM survey's but did not indicate instrumentation used. Their geophysical surveys were followed by the drilling of 3 diamond drill holes totaling 1500 feet. The core was logged as mainly greywacke with minor granitic rocks. It includes many references to pyrite, pyrrhotite, quartz and chalcopyrite, but no indications of probable concentrations. It appears that only 7 samples were taken for assay. No assay values are shown.

## **6. Geological Setting**

### **6.1. Regional Bedrock Geology and Mineralization:**

Regional geology is reported by Wolfe (1970) and Barrie (2000). Supracrustal rocks of the area belong to the Kamiskotia Volcanic Complex (KVC), a bimodal assemblage, including tholeiitic basalts and subordinate basaltic andesites and andesites, and high silica rhyolites. The KVC is intruded by a large layered tholeiitic intrusion known as the Kamiskotia Gabbroic Complex (KGC). The northern part of the KGC is, in turn, intruded by a large, oval shaped granophyric body which may be coeval with the KGC and may be the uppermost, volatile-rich portion of the same body.

Four volcanogenic copper-zinc+/-silver+/-gold deposits, including the Kam-Kotia Mine have been mined from rocks of the KVC.

### **6.2. Property Bedrock Geology and Mineralization:**

Much of the Enid-Massey property is underlain by the northern portion of the Kamiskotia Gabbroic Complex. In this area the KGC consists of Upper Zone mesocumulus and orthocumulus gabbro and ferrogabbro (Barrie, 2000). In northeastern Enid township it is common to find coarse grained pegmatoid leucogabbros with frequent massive to near massive clots many centimeters in diameter consisting of magnetite or ilmenite, or a mixture of the two. Rarely, lensoid concentrations of near massive pyrrhotite contain up to 1.5% combined Cu-Ni (report on detailed prospecting on KGC to follow).

Due to a lack of exploration and large areas covered by swamp or glacial outwash sands, little is known of the volcanic rocks surrounding the KGC. It may reasonably be assumed that the Kamiskotia Volcanic Complex wraps around the north and west portions of the gabbro and may have similar potential for volcanogenic massive sulphide deposits as found in the Kam-Kotia Mine area.

## **7. 2006 Diamond Drill Program**

### **7.1. Purpose of 2006 Drilling Program:**

Laurion's recent airborne survey produced 64 priority conductors. The 2006 diamond drill program was designed to test 7 of these targets located in terrain accessible under summer conditions. A winter drill program is planned to drill targets in swampy topography.

## 7.2. Nature of 2006 Drilling Program:

Drill holes TA-06-01, -02 and -03 tested conductors located in the **Talaos Sector**. BeepMat prospecting of airborne conductors located many gossanous outcrops with disseminated to near massive pyrite and pyrrhotite mineralization. Minor amounts of chalcopyrite and sphalerite were noted. An I.P. survey preceded the diamond drilling.

In the **Argos Sector**, 3 diamond drill holes, AR-06-01, -02 and -03, followed MaxMin II EM surveying of selected portions of an extensive zone of discontinuous airborne conductors and a nearby isolated conductor.

In the **Santrap Sector**, the airborne survey indicated a large cluster of weak to moderate conductors. Prospecting suggested that at least some of conductors appeared to be located on or near the contact of chloritized rhyolites and basalts. Magnetic, MaxMin II EM and I.P. surveying were followed by five diamond drill holes, SA-06-01, -02, -03, -04 and -05.

## 7.3. Drilling Results:

In the **Talaos Sector**, holes TA-06-01 and -02 found gabbros intruded by coarse grained intermediate to felsic, east-west striking dykes. Massive to disseminated pyrite and pyrrhotite, with locally anomalous Zn and Cu, were intersected along the contacts of the dykes with silicified gabbro and within sheared portions in gabbro. Hole TA-06-03 found similar mineralization and structural features, however, here the dykes intruded mostly basalts with lesser amounts of gabbro. Best results in the Talaos Sector were in hole TA-06-01 with 0.12% Zn over 9.9-17.8m (7.9m) and 0.30% Cu over 25.7-25.85m (0.25m).

Hole Number	Interval		Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Zn%
	From (metres)	To (metres)					
TA-06-01	9.9	10.1	0.01	2.1	150	3400	
	10.1	11	0.01	0.3	19	249	
	11	12	0.03	1.2	37	406	
	12	13	0.01	6	201	1470	
	13	13.6	0.02	4.4	228	500	
	13.6	14.6	0.02	6.7	369	4060	
	14.6	14.8	0.01	2.7	53	220	
	14.8	16	0.02	6.3	308	649	
	16	17	Nil	7.2	303	1640	
	17	17.8	0.02	5.1	305	1970	
	25.7	25.95	0.14	11.5	3040	234	

In the **Argos Sector**, diamond drilling found narrow intersections of massive to disseminated pyrrhotite with minor pyrite and weakly to strongly anomalous Zn. The mineralization is hosted by cherty mafic tuffs near the contact with fine grained felsic



tuffs. Best results were in holes AR-06-01 and AR-06-03. The latter contained 1.4% Zn over 65-68m (3m).

Hole Number	Interval		Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Zn%
	From (metres)	To (metres)					
AR-06-01	29	30	Nil	48	45	2660	
	35	36	0.01	62	21	1870	
	38	39	0.01	59	23	2200	
	48	49	0.01	53	81	2210	
AR-06-02			No significant values				
AR-06-03	65	66	<5	<0.2	148		1.6
	66	67	8	0.2	66	8530	
	67	68	<5	<0.2	83		1.62

In the Santrap Sector, 5 holes were drilled to produce continuous sections across the regional rhyolite/basalt contact along lines 0E and 200E. The rhyolites in this area are very interesting in that they tend to be black in colour and weakly to strongly chloritized. Along line 200E, holes SA-06-01, -03 and -05 found many strong sulphide zones with massive portions in an 80m wide band from 40m north of the contact within the basalts, to 40m south of the contact within the rhyolites. Along line 0E, holes SA-06-02 and -04 found very strong massive sulphide zones from 100m north of the contact in basalts to and including the contact with rhyolite. The rhyolite south of the contact is as yet untested on line 0E. There appears to be a zonation in the sulphides, in that sulphides hosted by the basalts tend to be enriched in Zn, whereas those further south, in the rhyolites are enriched in Cu. Furthermore, the basalt-hosted, Zn-rich sulphides contain significant pyrite, whereas the rhyolite-hosted, Cu-rich sulphides consist of pyrrhotite with little or no pyrite. Best assay results are 0.95% Zn over 78.5-81.3m (2.8m) in SA-06-02, 0.23% Zn over 96.4-104.5m (8.1m) in SA-06-04 and values of 0.2% Cu over much of hole SA-06-05. Holes SA-06-04 and -05 have interesting Au values up to 804ppb.

Hole Number	Interval		Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Zn%
	From (metres)	To (metres)					
SA-06-02	78.5	79	25	<0.2	140	5732	
	79	80	14	0.9	454		1.51%
	80	81.3	93	1	464	6693	
SA-06-04	96.4	97.4	804	1.2	379	4206	
	97.4	98.1	90	1.2	530	5193	
	98.1	99.1	117	0.6	253	1274	
	99.1	100.1	154	0.6	324	2181	
	100.1	101.1	27	1.2	303	2255	
	101.1	102	191	0.9	283	3265	
	102	103	23	0.3	148	2257	
	103	104.5	35	<0.2	185	4035	
SA-06-05	9.3	10.2	13	1.5	2070	64	
	35	36.5	64	1.8	2762	55	

	<b>36.5</b>	<b>38</b>	74	1.1	<b>1901</b>	87	
	<b>39</b>	<b>40</b>	58	1.5	<b>1959</b>	94	
	<b>46</b>	<b>47</b>	32	0.7	<b>1746</b>	75	
	<b>55.85</b>	<b>56.15</b>	766	3.1	<b>3473</b>	63	
	<b>60.1</b>	<b>60.2</b>	469	3.4	<b>4237</b>	53	

## 8. Conclusions and Recommendations

### 8.1 Talaos Sector:

Although some encouraging Zn and Cu assays were received in hole TA-06-01, prospecting and diamond drilling have shown that the sulphide zones occur in small, discontinuous, fault controlled, epigenetic lenses and show little potential for economic tonnage. Furthermore, the geologic environment is not one known to produce economic Cu or Zn mineralization. No further work is recommended on the Talaos Sector.

### 8.2 Argos Sector:

Drilling has shown that this group of conductors lies along or near a regional felsic/mafic volcanic contact. The lack of anomalous Cu and the fine grained nature of the felsic tuffs suggest that the mineralization is distal from a potential economic deposit. However, the strong Zn values in hole AR-06-03 and the many as yet untested conductors seem to warrant at least conservative follow-up. Outcrops are extremely rare and most of the area is covered by a shallow layer of outwash sands. I recommend a program of MMI soil sampling for Zn and Cu over the untested conductors. If attractive geochem anomalies result, additional diamond drilling may be warranted.

### 8.3 Santrap Sector:

The large cluster of previously untested airborne conductors, intense chlorite alteration of the rhyolites, and the strong VMS-type mineralization with attractive Cu, Zn, Au and Ag values warrant a comprehensive follow-up program on the Santrap Sector. It is recommended that:


- The geophysical grid be expanded westward to cover the remaining conductors of the cluster, as well as continuing two lines north to the single conductor to the north, and continuing two lines to the south to cover the single conductor south of Mallette Road
- Mag, MaxMin EM and gradient I.P. be completed over the rest of the grid
- Deep I.P. be tested on lines 0E and 200E to test indications of increasing size of the sulphide zones with depth
- Hole SA-06-01 be extended at least 50m to test for the deeper extent of the sulphide zone found in rhyolite in hole SA-06-05
- A hole be drilled beneath SA-06-04 to test for apparent increase in size and grade of sulphides with depth
- Additional diamond drilling to test anomalies produced by the geophysics recommended above.

## 9. Certificate of Author's Qualification

I, Leslie Allan Tihor, do hereby certify that:

- 1) I am a prospector and semi-retired geologist living at P.O. Box 2158, 228-4<sup>th</sup> Avenue, Cochrane, Ontario, P0L 1C0.
- 2) I am a graduate of Lakehead University in Thunder Bay, Ontario, with a degree of HBSc in Geology. I also attended 4 years at McMaster University in Hamilton, Ontario in a PhD program in Geochemistry.
- 3) I have practiced my profession in Mineral Exploration almost continuously since 1977.
- 4) I am a member of the Porcupine Prospectors and Developers Association and possess Ontario Prospector's License # M25101.
- 5) I am a member of the Board of Directors of Laurion Gold Inc.
- 6) I have based this report on a review of existing documentation and personal examination of all diamond drill holes.
- 7) I am not aware of any material fact or material change with respect to the subject matter of this Technical Report that is not reflected in the Technical Report, the omission to disclose which makes the Technical Report misleading.
- 7) I have read National Instrument 43-101 and Form 43-101F1, and this Technical Report has been prepared in compliance with that instrument and form.
- 8) I consent to the filing of this Technical Report with any stock exchange and other regulatory authority and any publication by them for regulatory purposes, including electronic publication in the public company files on their websites accessible by the public, of this Technical Report.

Signed and dated this 31<sup>st</sup> day of January, 2007, at Timmins, Ontario.



---

*Leslie Allan Tihor, HBSc Geology*

## **10. References**

Barrie, C.T. 2000. Geology of the Kamiskotia area; Ontario Geological Survey, Study 59, 79p.

Wolfe, W.J. 1970. Distribution of copper, nickel, cobalt, and sulphur in mafic intrusive rocks of the Kamiskotia-Whitesides area, District of Cochrane; Ontario Department of Mines, Miscellaneous Paper 44, 29p.

**Appendix A.**

**Diamond Drill Logs**





## LAURION MINERAL EXPLORATION INC.

Diamond Drill Hole TA-06-01

Sheet: 3 of 3

Property Enid-Massey Property

Interval (meters)		Formation	Sample Number	Sample Interval (m)		Assays							
From	To			From	To	Au(g/t)	Ag(g/t)	Pt(ppm)	Pd(ppm)	Cu(ppm)	Ni(ppm)	Zn(ppm)	Co(ppm)
99.8	109.1	MP1(FG) – Fine Grained Gabbro	944	100.6	101.6	Nil	0.4	<0.005	<0.005	28	24	120	27
		-fine grained, v d grey to brownish black phase of gabbro	945	102.4	103.4	Nil	0.3	<0.005	<0.005	222	22	113	28
		-where mineralized it looks identical to strongly mineralized portions of the main gabbro	946	103.4	104.4	Nil	2.3	<0.005	<0.005	266	17	132	17
		-100.6-107.5: variably silica flooded and py/po mineralized; no conductive sections	947	104.4	105.4	Nil	0.2	<0.005	<0.005	91	78	78	31
		-101.6-102.4: coarse grained diabase dyke	948	105.4	106.4	Nil	0.1	<0.005	<0.005	75	83	42	35
		-wkly to v strongly magnetic	949	106.4	107.5	Nil	0.1	<0.005	<0.005	63	92	93	32
			950	116.8	117.8	Nil	0.3	<0.005	<0.005	218	36	101	45
109.1	115	MP1(P) – Hornblende Porphyritic Mafic Intrusive Rock	951	117.8	118.8	0.01	0.5	<0.005	<0.005	125	30	122	25
		-as at 87.8-92.7, but not mineralized, non-magnetic	952	118.8	120	Nil	0.1	<0.005	<0.005	192	24	69	28
115	121.7	MP1(FG) – Fine Grained Gabbro											
		-fine grained, v d grey, phase of gabbro; locally large feldspar "snowflake" phenocrysts											
		-where mineralized it looks identical to strongly mineralized portions of the main gabbro											
		-116.8-120.0: wkly to v strongly silica flooded with up to 20% disse to clumpy py/po											
		-wkly to v strongly magnetic											
121.7	125.2	FP – Granodioritic Dyke											
		-v coarse grained med grey granodioritic dyke, contacts 25-35 deg TCA											
125.2	126.1	MP1(FG) – Fine Grained Gabbro											
		-as at 115-121.7 but not mineralized											
126.1	126.7	FP – Granodioritic Dyke											
		-v coarse grained med grey granodioritic dyke: contacts 25-55 deg TCA											
126.7	140.2	MP1 – Gabbro											
		-as at 48.7-87.8; med grained, dk grey to grey/green, massive gabbro											
		-131.1-131.3: white bull quartz with tr py in vugs											
		-136.8-138.3: 15% qtz veins with coarse porphyritic granitic dykes, tr py											
140.2	144	Sulphide Zone	953	135.8	136.8	0.01	0.1	<0.005	<0.005	79	114	48	29
		-intensely silica flooded, sulphide-rich, mafic dk grey to brownish-black fine to med gr mafic rock	954	136.8	138.3	Nil	0.2	<0.005	<0.005	141	80	53	22
		-similar to mineralized zone at 12-23m but not quite as much sulphides and no cpy or sph	955	138.3	139.2	Nil	0.1	<0.005	<0.005	41	58	41	18
		-dissem, streaks, net-texture and stringers of py & po; conductive only at 144.75-144.79m	956	139.2	140.2	Nil	0.1	<0.005	0.01	48	87	39	22
		-banding (healed foliation) at 142 is 45 to 50 deg TCA	957	140.2	141	0.01	0.2	<0.005	<0.005	250	37	91	15
		-wkly to v strongly magnetic	958	141	142	Nil	0.1	<0.005	<0.005	92	9	58	3
			959	142	143	Nil	0.1	<0.005	<0.005	114	17	137	11
144	151	MP1 – Gabbro	960	143	144	0.01	0.1	<0.005	<0.005	147	120	75	32
		-as at 48.7-87.8; med to coarse grained, dk grey to grey/green, massive, unaltered gabbro	961	144	145	0.01	0.1	<0.005	<0.005	54	95	39	17



LAURION MINERALS EXPLORATION INC.

Property Enid-Massey Property  
 Location Talaos Grid 800W, 630N  
 Claim Claim # 4204310  
 Latitude 439125E  
 Departure 5373096N  
 Bearing and dip 30deg -45  
 Total Depth 120m NQ core size  
 Core stored on Davidson Tisdale Mine Property

Depth	Tool Azi.	Cor. Azi.	Dip	Mag.
			(acid tests)	
collar	n/a	30.0	-45.0	n/a
60m	n/a	n/a	-46	n/a
120m	n/a	n/a	-45	n/a

Diamond Drill Hole TA-06-02

Sheet: 1 of 2

Elev. Collar  
 UTM Datum NAD83  
 Date Started 29-Nov-06  
 Date Completed 1-Dec-06  
 Drilled by Lafreniere Drilling  
 Logged by L.A. Tihor

*L.A. Tihor*

Interval (meters)		Formation	Sample Number	Sample Interval (m)		Assays			
From	To			From	To	Au(g/t)	Cu(ppm)	Ni(ppm)	Zn(ppm)
0	7.5	<b>OB – Overburden – casing left</b>							
7.5	27.1	<b>MP1 – Gabbro</b> -med grained, dk grey to black massive gabbro -usually contains white feldspar "snowflake" phenocrysts averaging 1cm in size -where wkly foliated, foliation 40-50 deg TCA -mafic minerals usually amphibole, altering to chlorite where sheared -few minor qtz/granitic pegmatite veinlets with tr py at 10.4-12.5 -scattered tr dissem py/po throughout -entirely non-magnetic except for minor po at 23.8-24.1	962	11.9	12.5	Nil	47	47	74
			963	27.1	28.5	Nil	25	26	69
27.1	33.8	<b>FP – Pegmatitic Granitic Dyke Complex</b> -silicified complex of coarse gr white to pinkish qtz/feldspar pegmatites and med gr qtz diorite dykes -contains remnants of narrow sections altered gabbro -tr pyrite and possibly fine biotite or black chlorite in pegmatite -pegmatite/gabbro boundaries are diffuse suggesting significant digestion of gabbro -non-magnetic	964	28.5	30	Nil	58	33	52
			965	30	31.5	Nil	43	8	43
			966	31.5	33	Nil	27	17	67
			967	33	33.8	Nil	63	49	73
			968	33.8	34.8	Nil	237	65	234
			969	34.8	35.4	Nil	650	77	225
			970	35.4	37.2	Nil	25	67	81
33.8	35.4	<b>Sulphide Zone</b> -similar to mineralized zones in hole TA-06-01 except no po, cpy or sph, only layers of dissem py -py up to 15% locally in mod silica flooded meta-gabbro; str wavy foliation about 35 deg TCA -non-magnetic	971	37.2	37.9	Nil	36	21	30
35.4	37.2	<b>MP1 – Gabbro</b> -as at 7.5-27.1 -non-magnetic							
37.2	37.9	<b>Sulphide Zone</b> -similar to 33.8-35.4 except only tr py -non-magnetic							

LAURION MINERALS EXPLORATION INC.

Hole

TA-06-02

Sheet: 2 of 2

Property Enid-Massey

Interval (meters)		Formation	Sample Number	Sample interval (m)		Assays			
From	To			From	To	Au(g/t)	Cu(ppm)	Ni(ppm)	Zn(ppm)
37.9	42.8	MP1 – Gabbro -as at 7.5-27.1	972	37.9	39	Nil	29	45	36
42.8	45.9	SHR – Shear Zone -intensely foliated, chloritic, convoluted, sheared gabbro with incipient granitic pegmatite development -fairly siliceous dk grey intermediate dyke at 45.4-45.8 -tr to very locally <1% disseminated py -non-magnetic							
45.9	86.1	MP1 – Gabbro -similar to earlier gabbro: dk grey to blk, massive, med gr, occasionally with white feldspar phenocr -granitic pegmatitic dykes at 54.9-55.4, 57.7-57.8, 59.6-59.8, 64.3-65.5, 69.7-72.1, 80.1-80.4, 81.5-81.75, 83.65-84.1 -often the granitic peg material flanks med gr massive dk reddish grey syenitic dykes which may be feeders to the gabbro -minor mineralized zones as earlier in this hole and in TA-06-01, but much narrower and wkr sulphides -mnr sulphide min zones at 55.5-59.4, 59.6-59.7, 63.15-62.15, 68.1-68.7, and wk disseminated py 78.0-85.1 -best mineralization is at 68.1-68.7, >5% po with mnr py, locally strongly magnetic	973 974 975 976	55.5 57 58.5 68.1	57 58.5 59.4 68.7	Nil Nil Nil 0.01	130 127 437 655	39 29 65 74	110 107 122 117
86.1	120	MP7 – Diabase -med to coarse grained, dk grey to blk, massive diabase -contact 50 deg TCA End of hole at 120m							



Property Enid-Massey

Interval (meters)		Formation	Sample Number	Interval (m)		Assays					
From	To			From	To	Au(g/t)	Cu(ppm)	Ni(ppm)	Zn(ppm)	Pt(g/t)	Pd(g/t)
60	77.1	<b>VM -- Basalt</b> -fine to locally med grained, dk grey to blk massive basalt -may be fine grained phase of gabbro -68-69.8: silica flooded, only trace amounts of py -non-magnetic -contact with next unit is gradational suggesting much digestion of mafic rock									
77.1	85.5	<b>FP -- Granitic Dyke Complex</b> -similar to 55.2-60, except more bleached appearance and distinct gneissic texture 40 deg TCA -scattered trace py									
85.5	91.1	<b>VM -- Basalt</b> -fine to locally med grained, dk grey to blk massive basalt -may be fine grained phase of gabbro -local tr py									
91.1	95	<b>FP -- Granitic Dyke Complex</b> -similar to 77.1-85.5, except common streaks of pink oxidation									
95	95.8	<b>VM -- Basalt</b> -as at 85.5-91.1, except mixed, brecciated contact with FP1, above									
95.8	101.7	<b>FLT -- Fault Zone</b> -intensely fault brecciated and gouged VM1 basalt -core recovery drops from 100% to 85% in fault -fault zone is not mineralized									
101.7	104.5	<b>FP -- Granitic Dyke Complex</b> -as at 91.1-95, but coarser grained and more heterogenous with inclusions of VM1 -local tr py	980	109	109.8	Nil	244	68	171	<0.005	<0.005
			981	109.8	110.1	0.02	1190	195	77	<0.005	<0.005
104.5	119.1	<b>VM -- Basalt</b> -v fine grained, dk grey, flow brecciated or tectonically bx basalt -typically blocks and fragments of vfg basalt are cemented by similar but feldspar porph basalt (photo) -porph portions may be metasomatically altered basalt -weak foliation 50 deg TCA -scattered tr to rare near massive po/cpy/py, best at 116.3-116.7: 8% massive po, <1% cpy and 118-118.1 (photo) -conductive sections po/cpy at 163.4-163.6 and 118.0-118.1, locally str magnetic	982	110.1	111	Nil	188	63	160	<0.005	<0.005
			983	115.5	116.3	Nil	115	61	170	<0.005	<0.005
			984	116.3	117.1	Nil	187	42	144	<0.005	<0.005
			985	117.1	118.1	0.05	97	48	171	<0.005	<0.005
			986	118.1	119.1	Nil	113	33	164	<0.005	<0.005

Property Enid-Massey

Interval (meters)		Formation	Sample Number	Sample Interval (m)		Assays					
From	To			From	To	Au(g/t)	Cu(ppm)	Ni(ppm)	Zn(ppm)	Pt(g/t)	Pd(g/t)
119.1	120.7	FP – Granitic Dyke Complex -v coarse grained felsic dyke with 10% smokey & white qtz veinlets -<1% py, mostly in qtz veinlets (photo) -gneissic texture 50-55 deg TCA -includes short section of basalt at 120.7-121.7 -non-magnetic	987	119.1	120.7	Nil	18	5	62	<0.005	<0.005
120.7	121.7	VM – Basalt -fine to locally med grained, dk grey to blk massive basalt -non-magnetic	988	120.7	121.7	Nil	54	41	81	<0.005	<0.005
121.7	122.4	FP – Granitic Dyke Complex -v coarse grained felsic dyke with minor smokey & white qtz veinlets -local spots in mafic portions are str magnetic, not clear if vf po or magnetite	989	121.7	122.5	Nil	42	22	44	<0.005	<0.005
122.4	125.7	VM – Basalt -fine to locally med grained, dk grey to blk massive basalt -non-magnetic									
125.7	126.6	FP – Granitic Dyke Complex -as at 121.7-122.4, except only tr py and not magnetic									
126.6	152.3	VM – Basalt -fine to locally med grained, dk grey to blk massive basalt, -commonly spotted with metasomatic feldspar metacrysts up to .5 cm -minor magnetic spots dissem po/py especially at 128-130.1m -very local wisps massive to near massive po +/- tr cpy or py at 134.3, 139.5, 143.1	990	128.9	130.1	Nil	304	81	242	<0.005	<0.005
152.3	165.3	FP – Granitic Dyke Complex -as at 121.7-122.4, except only tr py and not magnetic -includes short sections of basalt between 162 and 165.3									
165.3	175	VM – Basalt -as at 126.6-152.3 -minor magnetic spots dissem po/py at 166.5, 167.9, 174.1  End of hole at 175m									

Laurion Minerals Exploration Inc.

Property Enid-Massey Property  
 Location Argos W Grid: 200W, 275N  
 Claim Claim # 4207071  
 Latitude 444399E  
 Departure 5374776N  
 Bearing and dip 0 deg -45  
 Total Depth 126m NQ core size  
 Core stored on Davidson Tisdale Mine Property

Depth	Tool Azi.	Cor. Azi.	Dip	Mag.
			(acid tests)	
collar	n/a	0.0	-45	n/a
63m	n/a	n/a	-46	n/a
125m	n/a	n/a	-45	n/a

Diamond Drill Hole AR-06-01

Sheet: 1 of 1

Elev. Collar  
 UTM Datum NAD83  
 Date Started 4-Dec-06  
 Date Completed 6-Dec-06  
 Drilled by Lafreniere Drilling  
 Logged by L.A. Tihor

*L.A. Tihor*

Interval (meters)		Formation	Sample Number	Sample Interval (m)		Assays			
From	To			From	To	Au(g/t)	Cu(ppm)	Ni(ppm)	Zn(ppm)
0	9	OB - Overburden - casing left							
9	20.5	VM(TUF) - Basalt	991	29	30	Nil	48	45	2660
		-9-21m: very hard, sheared and silicified vfg basaltic tuff with interbedded basalt flows	992	31	32	Nil	15	21	210
		-dk grey to black except lt green to flesh coloured where bleached	993	33	34	Nil	37	11	951
		-many narrow bleached sections with tr dissem py	994	35	36	0.01	62	21	1870
		-where bleached, str fol 40 deg TCA	995	36	37	Nil	31	66	233
		-non-magnetic	996	37	38	0.01	95	63	805
		-massive, fg, blk sills at 12.6-12.85, 15.5-16.0	997	38	39	0.01	59	23	2200
		-21-22.2: relatively unaltered blk basalt flow	998	39	40	Nil	83	70	148
			999	48	49	0.01	53	81	2210
			1000	71.9	73	Nil	38	29	116
20.5	126	VM(TUF),CS6,SS5 - Cherty Basaltic Tuff Interbedded with Chert & Siltstone	88001	73	74	Nil	36	36	88
		-as above, but with repeated interbeds of well banded creamy white & black chert	88002	74	75	Nil	46	26	182
		-interbedded with pulses of siltstone especially between 104-114m	88003	75	76	0.02	65	53	371
		-only tr py and py in chert beds	88004	76	77	0.01	91	56	504
		-chert beds are 50-60 deg TCA but often convoluted and truncated by soft sediment deformation	88005	77	78.5	Nil	52	68	267
		-basaltic tuff shows graded bedding, showing stratigraphic tops down hole (north)	88006	78.5	80	0.01	102	69	245
		-29-39m, 48.3: common tr amounts honey coloured sphalerite as dissem and fracture filling, rare tr cpy							
		-46.5-47.3: black, fine to med gr lamprophyre sill, parallel to bedding in tuff/chert							
		-massive to net textured, conductive po beds up to 5cm wide at 72, 73.5, 74.1, 75.2, 75.9, 76.1, 80.7, 81.6, 82.7, 82.9, 89.7, 93.4, 95.1, 100, 102, 102.35, 114.2,							
		-few mnr, narrow qtz veins, sometimes with tr py	88007	80	81.5	Nil	63	37	138
		126: End of Hole	88008	81.5	82.5	Nil	86	27	305
			88009	82.5	83.5	0.01	296	63	956
			88010	94.5	95.5	Nil	85	50	290
			88011	99	100	Nil	75	47	407
			88012	102	103.5	Nil	144	41	505
			88013	111	112.5	Nil	223	55	572
			88014	112.5	114	Nil	130	44	866







Laurion Mineral Exploration Inc.

Property Enid-Massey Property  
 Location Santrap 200E, 435N  
 Claim Claim # 4204311  
 Latitude 431582E  
 Departure 5378733N  
 Bearing and dip 210, -50  
 Total Depth 134m NQ core size  
 Core stored on Davidson Tisdale Mine Property

Depth	Tool Azi.	Cor. Azi.	Dip	Mag.
			(acid tests)	
collar	n/a	210.0	-50	n/a
124m	n/a	n/a	-51	n/a

Diamond Drill Hole SA-06-01

Sheet: 1 of 2

Elev. Collar 325m  
 Datum NAD83  
 Date Started 12-Dec-06  
 Date Completed 14-Dec-06  
 Drilled by Lafreniere Drilling  
 Logged by L.A. Tihor

*L.A. Tihor*

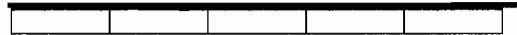
Interval (meters)		Formation	Sample Number	Sample Interval (m)		Assays			
From	To			From	To	Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)
0	5	OB – Overburden – Casing left in – making water	88050	56	57.3	12	<0.2	131	45
			88051	57.3	57.8	26	1.1	898	41
5	26.8	VM – Basalt	88052	57.8	59.4	<5	<0.2	19	25
		-fg, dk grey to black massive basalt	88053	59.4	60.4	16	<0.2	280	45
		-locally wkly foliated 50 deg TCA	88054	60.4	61.4	<5	<0.2	347	51
		-tr Qtz veinlets and tr py, not magnetic	88055	61.4	62	<5	0.4	726	34
		-0-12m: quite blocky	88056	62	63	<5	<0.2	192	45
			88057	63	64	<5	<0.2	170	55
26.8	30.5	FP – Felsic Sill	88058	64	65	18	<0.2	128	51
		-med grained pink granitic sill	88059	65	66.5	<5	<0.2	138	54
		-contacts 45 deg TCA, parallel to foliation in basalt	88060	66.5	66.65	7	<0.2	168	27
			88061	66.65	67.85	<5	<0.2	146	52
30.5	56.3	VM – Basalt	88062	67.85	68.1	<5	<0.2	136	45
		-fg, dk grey to black massive basalt	88063	68.1	69.1	<5	<0.2	112	62
		-tr py, not magnetic							
56.3	56.8	VM(PO,PY,CP) – Sulphide Zone in Basalt							
		-conductive zone, 15% mixed po, py, cpy. Sulphides finely intermixed and difficult to visually determine % cpy							
56.8	59.4	FP – Quartz-Feldspar Porphyry Sill							
		-med grained pink quartz-feldspar porphyry sill							
		-contacts 50 deg TCA, parallel to foliation in basalt							
		-tr dissem py							
59.4	62	VM(PO,PY,CP) – Sulphide Zone in Basalt							
		-conductive zone, 15% mixed po, py, cpy. Sulphides finely intermixed and difficult to visually determine % cpy							
62	64	VM – Basalt							
		-fg, dk grey to black massive basalt							
		-tr py, not magnetic							

Laurion Mineral Exploration Inc.

Diamond Drill Hole SA-06-01

Sheet: 2 of 2

Property Enid-Massey Property



Interval (meters)		Formation	Sample Number	Sample Interval (m)		Assays			
From	To			From	To	Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)
64	68.5	<b>FLT – Fault Zone</b>	88064	101	101.85	19	<0.2	178	43
		-sheared and gouged basalt with mnr qtz veins and tr py	88065	101.85	102	5	0.3	540	44
		-str blk chlorite alteration with slickensides and tr graphite 40-50 deg TCA	88066	102	103	8	<0.2	230	51
		-sheared and gouged basalt with mnr qtz veins and tr py	88067	107.5	108.5	<5	<0.2	102	94
			88068	108.5	109.2	<5	<0.2	197	65
68.5	107.5	<b>VM – Basalt</b>	88069	109.2	110.4	<5	<0.2	81	34
		-fg, dk grey to black massive basalt, flows interbedded with basaltic tuffs	88070	110.4	111.5	<5	<0.2	116	104
		-tr py, not magnetic	88071	111.5	112.3	<5	<0.2	67	100
		-101.85-102: white qtz vein with 8% py, tr sph/cpy	88072	112.3	112.7	<5	<0.2	129	127
		-gradational contact with felsic tuff in next unit	88073	112.7	113.7	<5	<0.2	136	72
			88074	113.7	114.7	15	<0.2	155	292
107.5	134	<b>VF – Felsic Tuff-Breccia</b>	88075	114.7	116	9	<0.2	78	91
		-very flattened and convoluted pink felsic tuff and blocks in more chloritic, grey matrix	88076	116	117.5	<5	<0.2	61	134
		-pink fragments are very hard, rhyolitic; matrix is softer, mafic tuff or chloritized felsic tuff	88077	117.5	119	<5	<0.2	63	42
		-near contact with basalt, contains narrow interbeds of basaltic flows as at 109.2-110.4	88078	119	120.3	<5	<0.2	45	78
		-107.5-119.3: scattered zones of minor amounts py +/- po & tr cpy	88079	120.3	120.5	64	1.3	1227	186
		-119.3-120.5: conductive zone 20% py/po with traces sph/cpy							
		-from about 123m becomes more homogeneous, med to dk grey, may be chloritized felsic tuff or silicified mafic volcanics							
		End of Hole: 134m	88080	120.5	122	8	<0.2	54	68
			88081	122	123.4	<5	<0.2	50	59



## LAURION MINERAL EXPLORATION INC.

Diamond Drill Hole SA-06-02

Sheet: 2 of 3

Property Enid-Massey Property

Interval (meters)		Formation	Sample Number	Sample Interval (m)		Assays				
From	To			From	To	Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Zn(%)
28.5	29.7	<b>FP – Felsic Sill</b> -med to coarse grained, very light pinkish qtz-feldspar sill -contacts parallel to fol 35 deg TCA								
29.7	67.8	<b>VM – Basalt</b> -vfg massive blk basaltic flows with minor basaltic tuffs -tr py, not magnetic -tr calcite stringers in foliation								
67.8	70.8	<b>FP – Felsic Sill</b> -med to coarse grained, pink qtz-feldspar sill -upper contact 50 deg TCA, lower contact faulted 20 deg TCA -lower half of sill is very brecciated and cemented by a network of barren white qtz stringers	88089	77.5	78.5	11	<0.2	122	175	
			88090	78.5	79	25	<0.2	140	5732	
			88091	79	80	14	0.9	454	>DL	1.51
			88092	80	81.3	93	1	464	6693	
			88093	81.3	82.3	17	<0.2	81	555	
70.8	78.5	<b>VM – Basalt</b> -vfg massive blk basaltic flows with minor basaltic tuffs -tr py, not magnetic	88094	82.3	83.3	13	<0.2	146	95	
			88095	83.3	84	19	<0.2	72	80	
			88096	84	84.9	10	<0.2	105	209	
			88097	84.9	86	33	0.3	129	4327	
78.5	81.3	<b>Sulphide Zone</b> -sulphide zone with many massive, conductive sections: in order of predominance po/py/sph/cpy -sph is very fine grained and honey to reddish coloured; difficult to estimate amount, but <5% -sulphide beds are quite convoluted due to soft sediment deformation but average 25 deg TCA	88098	86	87.4	<5	<0.2	130	106	
81.3	84.9	<b>VM – Basalt</b> -vfg massive to foliated basaltic tuffs -tr po/py, locally wkly magnetic -bdg & fol 28 deg TCA								
84.9	86	<b>Sulphide Zone</b> -sulphide zone with many massive, but fewer conductive sections: in order of predominance sph/po/py/cpy sph is very fine grained and honey to reddish coloured; difficult to estimate amount								
86	87.4	<b>VM – Basalt</b> -vfg massive to foliated basaltic tuffs Tr py, not magnetic								

LAURION MINERAL EXPLORATION INC.

Diamond Drill Hole SA-06-02

Sheet: 3 of 3

Property Enid-Massey Property

Interval (meters)		Formation	Sample Number	Sample Interval (m)		Assays				
From	To			From	To	Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)	Zn(%)
87.4	88.5	<b>Sulphide Zone</b> -sulphide zone with many massive, but very few conductive sections: in order of predominance sph/po/py/cpy -sph is very fine grained and honey to reddish coloured; difficult to estimate amount, but >1% -cpy is finely disseminated and estimated at <2%								
			88099	87.4	88.5	157	1	624	5588	
			88100	88.5	89.5	12	0.2	132	46	
88.5	95	<b>VM -- Basalt</b> -vfg massive blk basaltic tuffs -tr py, not magnetic	88101	89.5	91	13	<0.2	121	43	
			88102	91	92.5	13	<0.2	144	26	
			88103	92.5	94	9	<0.2	120	32	
			88104	94	95	29	0.5	145	59	
95	95.7	<b>Sulphide Zone</b> -sulphide zone with 3cm massive, conductive po/py and many mm width sections massive sph -sph >1%, cpy <1%	88105	95	95.7	36	<0.2	170	4877	
			88106	95.7	97	39	<0.2	131	50	
			88107	97	98.5	6	<0.2	140	40	
95.7	100	<b>VM -- Basalt</b> -vfg massive blk basaltic tuffs -not magnetic								

Laurion Mineral Exploration Inc.

Property Enid-Massey Property  
 Location Santrap 200E, 175N  
 Claim Claim # 4204311  
 Latitude 431449E  
 Departure 5378515N  
 Bearing and dip 30, -45  
 Total Depth 125m NQ core size  
 Core stored on Davidson Tisdale Mine Property

Depth	Tool Azi.	Cor. Azi.	Dip (acid tests)	Mag.
collar	n/a	30.0	-45	n/a
60m	n/a	n/a	-45	n/a
125m	n/a	n/a	-43	n/a

Diamond Drill Hole SA-06-03

Sheet: 1 of 1

Elev. Collar 354m  
 Datum NAD83  
 Date Started 15-Dec-06  
 Date Completed 17-Dec-06  
 Drilled by Lafreniere Drilling  
 Logged by L.A. Tihor

*L.A. Tihor*

Interval (meters)		Formation	Sample Number	Sample Interval (m)		Assays			
From	To			From	To	Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)
0	2	OB – Overburden – Casing left in							
2	5	VF – Felsic Tuff-Breccia	88108	72.5	73.5	8	<0.2	139	53
		-fg, dk grey to blk, hard felsic tuff with minor pink rhyolitic interbeds or flattened fragments	88109	73.5	74.9	<5	<0.2	138	98
		-tr py	88110	74.9	75.9	15	<0.2	87	53
		-foliation and bdg 35 deg							
5	125	VM(TUF) – Basaltic Tuff	88111	111.5	113	<5	<0.2	41	31
		-vfg, dk grey to blk, basaltic tuff with minor basalt interflows	88112	113	114.5	<5	<0.2	137	49
		-near felsic tuff-breccia contact and variably throughout wkly to mod silicified	88113	114.5	116	<5	<0.2	84	51
		-foliation and bdg vary from 0 to 35 deg TCA	88114	116	117.5	<5	<0.2	32	38
		-tr py, tr secondary sph in fractures	88115	117.5	119	<5	<0.2	43	35
		-39.5-40.8: feldspar porphyritic vfg black diabase dyke at 10 deg TCA	88116	119	120.5	5	<0.2	44	48
		-73.5-74.9: weakly developed sulphide zone: mn sph/py, tr cpy, true width likely about .2m	88117	120.5	122	<5	<0.2	73	40
		-101.5-122m: many wkly bedded zones of vfg sph mineralization with tr py,	88118	122	123	<5	<0.2	56	19
		-not magnetic							
		End of Hole: 125m							

Laurion Mineral Exploration Inc.

Property Enid-Massey Property  
 Location Santrap L0, 440N  
 Claim Claim # 4204311  
 Latitude 431416E  
 Departure 5378846N  
 Bearing and dip 210, -50  
 Total Depth 172.7m NQ core size  
 Core stored on Davidson Tisdale Mine Property

Depth	Tool Azi.	Cor. Azi.	Dip (acid tests)	Mag.
collar	n/a	210.0	-50	n/a
75m	n/a	n/a	-51	n/a
150m	n/a	n/a	-49	n/a

Diamond Drill Hole SA-06-04 Sheet: 1 of 2  
 Elev. Collar 327m  
 Datum NAD83  
 Date Started 17-Dec-06  
 Date Completed 19-Dec-06  
 Drilled by Lafreniere Drilling  
 Logged by L.A. Tihor

Interval (meters)		Formation	Sample Number	Sample Interval (m)		Assays			
From	To			From	To	Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)
0	15	OB – Overburden – Casing left in – making water	88119	42	43.3	<5	<0.2	51	41
			88120	43.3	43.9	<5	0.3	459	25
15	96.4	VM1(TUF) – Basaltic Tuff	88121	43.9	45	<5	<0.2	113	39
		-vfg, dk grey to blk, basaltic tuff with minor basalt interflows							
		-tr amounts sph exhalite zones throughout: at 38.6m 2cm wide massive py/po 40deg TCA	88154	93.2	93.9	48	0.7	276	3518
		-43.3-43.9: wk to mod sulphide zone: po/py/sph/cpy							
		-sulphide zones with mnr massive sections with po/py/sph tr cpy at 61.7-63.1, 64.1-64.8, 67.3-68.2, 69.4-70.3, 93.2-93.9							
			88122	60.7	61.7	<5	<0.2	62	77
96.4	109.5	Sulphide Zone	88123	61.7	63.1	12	0.7	197	239
		-bedded to massive net textured mixed sulphides with many conductive portions	88124	63.1	64.1	14	<0.2	56	84
		-96.4-104.5: nearly continuous heavy to near massive mixed po/sph/py/cpy	88125	64.1	64.8	23	0.6	191	207
		-in above zone sph + cpy may average up to 5%, v fine gr and difficult to judge	88126	64.8	66	10	<0.2	72	115
		-109.5: sph + cpy may be up to 2%	88127	66	67.3	7	<0.2	87	165
		-remaining part of sulphide zone has variable lesser amounts of same type of mineralization	88128	67.3	68.2	14	<0.2	142	2143
		-sulphides are highly convoluted by soft sediment deformation	88129	68.2	69.4	7	<0.2	159	106
		-bedding in tuffs is 40-45deg TCA	88130	69.4	70.3	7	<0.2	130	2006
		-unmineralized portions not magnetic, by po-rich portions wkly to very strongly magnetic	88131	70.3	71.3	<5	<0.2	91	95
			88154	93.2	93.9	48	0.7	276	3518
109.5	115.3	VM1(TUF) – Basaltic Tuff	88132	93.9	94.5	7	<0.2	111	70
		-vfg, dk grey to blk, basaltic tuff	88133	94.5	96	<5	<0.2	148	47
		-113-114: wk to mod sulphide zone: po/py/sph/cpy: at 113.75: 2cm wide massive, conductive po/cpy	88134	96	96.4	5	<0.2	155	737
		-magnetic only where po	88135	96.4	97.4	804	1.2	379	4206
			88136	97.4	98.1	90	1.2	530	5193
115.3	118.9	FP11 – Quartz-Feldspar Porphyry Sill	88137	98.1	99.1	117	0.6	253	1274
		-lt pink, med grained, massive felsic sill, quartz-feldspar porphyry	88138	99.1	100.1	154	0.6	324	2181
		-not mineralized and not magnetic	88139	100.1	101.1	27	1.2	303	2255
		-upper contact 40 deg TCA, lower contact 80 deg TCA	88140	101.1	102	191	0.9	283	3265
			88141	102	103	23	0.3	148	2257
			88142	103	104.5	35	<0.2	185	4035
			88143	104.5	105.5	7	<0.2	97	125

LAURION MINERAL EXPLORATION INC.

Diamond Drill Hole SA-06-04

Sheet: 2 of 2

Property Enid-Massey Property

Interval (meters)		Formation	Sample Number	Sample Interval (m)		Assays			
From	To			From	To	Au(ppb)	Ag(ppm)	Cu(ppm)	Zn(ppm)
118.9	154.9	<b>VM1(TUF) – Basaltic Tuff</b>	88144	105.5	106.5	13	0.2	122	<b>994</b>
		-vfg, dk grey to blk, basaltic tuff	88145	106.5	107.5	11	<0.2	78	<b>818</b>
		-145.1-145.2: po/py/sph zone with 1cm wide near massive conductive section	88146	107.5	108.5	24	<b>0.5</b>	116	<b>4205</b>
		-magnetic only where po	88147	108.5	109.5	37	0.4	186	<b>1981</b>
			88148	109.5	110	37	<b>0.6</b>	287	<b>1919</b>
154.9	155.1	Sulphide Zone	88149	110	111.5	14	<0.2	106	239
		-0.2m wide zone of massive po, no obvious sph or cpy	88150	111.5	113	7	<0.2	93	169
		-strongly magnetic, bedding 45 deg TCA	88151	113	114	<b>62</b>	0.3	182	<b>2631</b>
			88152	114	115.3	7	<0.2	119	<b>648</b>
155.1	172.7	<b>VF(TUF) – Felsic Tuff</b>	88153	115.3	116.8	<5	<0.2	52	89
		-vfg, dk grey to blk, very siliceous felsic tuff							
		-not mineralized	88155	144.1	145.1	<5	<0.2	127	49
		-minor pink bleaching flanking micro fractures	88156	145.1	145.2	<b>54</b>	1.1	991	68
		-bdg and foliation 30 deg TCA	88157	145.2	146.2	7	<0.2	126	46
			88158	154	154.9	10	<0.2	124	90
		End of Hole: 172.7m	88159	154.9	155.1	<b>58</b>	<b>2.6</b>	<b>686</b>	329
			88160	155.1	156	6	<0.2	70	<b>534</b>



LAURION MINERAL EXPLORATION INC.

Property Enid-Massey Property  
 Location Santrap 200E, 375N  
 Claim Claim # 4204311  
 Latitude 431546E  
 Departure 5378692N  
 Bearing and dip 210, -50  
 Total Depth 173m NQ core size  
 Core stored on Davidson Tisdale Mine Property

Depth	Tool Azi.	Cor. Azi.	Dip	Mag.
			(acid tests)	
collar	n/a	210.0	-50	n/a
85m	n/a	n/a	-50	n/a
173m	n/a	n/a	-51	n/a

Diamond Drill Hole SA-06-05

Sheet: 1 of 2

Elev. Collar 331m  
 Datum NAD83  
 Date Started 19-Dec-06  
 Date Completed 21-Dec-06  
 Drilled by Lafreniere Drilling  
 Logged by L.A. Tihor

*L.A. Tihor*

Interval (meters)		Formation	Sample Number	Sample Interval (m)		Assays			
From	To			From	To	Au(ppb)	Ag(ppb)	Cu(ppm)	Zn(ppm)
0	3	OB – Overburden – Casing left in							
3	12.5	VF(TUF) – Felsic Tuff	88161	8	9.3	<5	<0.2	89	36
		-vfg, dk grey to blk, very siliceous felsic tuff	88162	9.3	10.2	13	1.5	2070	64
		-bdg & fol 30 deg TCA	88163	10.2	11.5	<5	<0.2	135	42
		-9.3-10.2 & 11.5-11.7: massive to dissem po/py with minor cpy	88164	11.5	11.7	30	1	1253	52
		-very blocky core	88165	11.7	12.5	<5	<0.2	154	101
			88166	12.5	14	36	1.1	1699	59
12.5	15.3	Sulphide Zone	88167	14	15.3	52	0.7	1355	40
		-many zones conductive massive po with many minor amounts cpy	88168	15.3	16.3	12	<0.2	106	39
		-variably strongly magnetic	88169	31	32	<5	<0.2	172	37
			88170	32	33.1	<5	<0.2	77	43
15.3	32	VF(TUF) – Felsic Tuff	88171	33.1	33.9	6	<0.2	356	202
		-vfg, dk grey to blk, very siliceous felsic tuff	88172	33.9	35	20	0.4	1252	176
		-bdg & fol 45-50 deg TCA	88173	35	36.5	64	1.8	2762	55
		-tr py/po increasing within .3m of Quartz Zone	88174	36.5	38	74	1.1	1901	87
			88175	38	39	8	<0.2	260	95
32	33.1	Quartz Zone	88176	39	40	58	1.5	1959	94
		-65% quartz veining, convoluted 0-35 deg TCA with mnr py	88177	40	41	30	0.5	1323	49
		-core very blocky with minor gouge	88178	41	42	62	0.7	1250	48
			88179	42	43	33	0.4	749	191
33.1	48.4	Sulphide Zone	88180	43	44	12	<0.2	420	405
		-many zones conductive massive po with many minor amounts cpy; no sph noted	88181	44	45	49	0.7	1470	85
		-cpy is generally very finely disseminated and may be highest concentration for significant width in the drill program to date	88182	45	46	46	<0.2	627	174
			88183	46	47	32	0.7	1746	75
		-host rock is same felsic tuff as found between the sulphide zones; quite blocky core	88184	47	47.6	48	1	856	70
			88185	47.6	48.4	<5	<0.2	250	32
48.4	50.7	FP11 – Quartz-Feldspar Porphyry Sill	88186	48.4	49.4	<5	<0.2	22	36
		-lt pink, med grained, massive felsic sill, quartz-feldspar porphyry							
		-very rare tr very fine py							
		-contacts 35-40deg TCA							

## LAURION MINERAL EXPLORATION INC.

Diamond Drill Hole SA-06-05

Sheet: 2 of 2

Property Enid-Massey Property

Interval (meters)		Formation	Sample Number	Sample Interval (m)		Assays			
From	To			From	To	Au(ppb)	Ag(ppb)	Cu(ppm)	Zn(ppm)
50.7	107	<b>VM1(TUF) – Basaltic Tuff</b>							
		-vfg, dk grey to blk, basaltic tuff with minor basalt interflows, locally mod silicified especially near upper contact							
		-contains white to yellowish green feldspar metacrysts at 90-90.5 and 93.1-93.7m							
		-bdg & fol 35-50 deg TCA	88187	55	55.85	<5	<0.2	52	118
		-55.85-56.15: 30% massive, conductive po/py/cpy	88188	55.85	56.15	788	3.1	3473	63
		-60.1-60.2: 15% massive py/cpy	88189	56.15	57	<5	<0.2	150	42
		-70.8-71.2: 55% white quartz veins with tr py, 30 deg TCA	88190	59	60.1	13	<0.2	448	36
		-82.5-82.8: minor dissem py and quartz 45 deg TCA	88191	60.1	60.2	469	3.4	4237	53
		-90.6-91.35: massive white qtz vein with tr py	88192	60.2	61	5	<0.2	152	35
		-not magnetic except were po	88193	69	70.8	<5	<0.2	135	30
			88194	70.8	71.2	<5	<0.2	83	34
107	111.8	<b>VM1(PIL,FBX) – Pillowed and Flow Brecciated Basalt</b>	88195	71.2	72	6	<0.2	103	25
		-vfg, dk grey to blk, as the tuff above but flow brecciated and pillowed basalt	88196	81.5	82.5	10	<0.2	134	37
		-fol 40 deg TCA	88197	82.5	82.8	10	<0.2	543	50
		-tr po and not magnetic except with po	88198	82.8	83.8	<5	<0.2	132	41
			88199	90.6	91.35	8	<0.2	82	8
111.8	122.7	<b>VF(TUF) – Felsic Tuff</b>							
		-vfg, dk grey to blk with common bands of pink bleaching to 117.3							
		-117.3-117.7: fault gouge at 15 deg TCA							
122.7	153.3	<b>VM1 – Basalt</b>							
		-vfg, dk grey to blk massive basaltic flows and tuffs							
		-very similar in appearance to felsic unit above but knife edge great reduction in hardness							
		-not magnetic							
153.3	173	<b>VF(TUF) – Felsic Tuff</b>							
		-vfg, dk grey to blk massive felsic tuff							
		-158-173: finely crackle brecciated but no sulphides							
		-not magnetic							
		173m: end of hole							

**Appendix B.**  
**Assay Certificates**

# Laboratoire Expert Inc.

127, Boulevard Industriel  
 Rouyn-Noranda, Québec  
 Canada, J9X 6P2  
 Telephone : (819) 762-7100, Fax : (819) 762-7510

## \*\*\* Certificate of analysis \*\*\*


Date : 2007-09-19

Page : 1 of 10

Client : <b>Laurion Mineral Exploration Inc.</b>			
Addressee : <b>Les Tihor</b>		Folder : <b>16498</b>	
P.O. Box 253 Shumacher Ontario P0N 1G0		Your order number :	
Telephone : (705) 264-7820		Project : <b>E-M</b>	
		Total number of samples : <b>100</b>	

Designation	Au FA-GEO ppb 5	Au-Dup FA-GEO ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2
88021	12	9	<0.2	<0.2	58	58	110	107
88022	25		<0.2		55		83	
88023	18		0.2		75		527	
88024	<5		<0.2		12		64	
88025	<5		<0.2		134		76	
88026	13		<0.2		19		65	
88027	<5		<0.2		82		80	
88028	<5		<0.2		110		3151	
88029	<5		<0.2		148		>DL	
88030	8		0.2		66		8530	
88031	<5		<0.2		83		>DL	
88032	<5		<0.2		39		199	
88033	6	<5	<0.2	<0.2	63	63	373	370
88034	<5		<0.2		56		167	
88035	<5		<0.2		39		119	
88036	<5		<0.2		49		112	
88037	<5		<0.2		41		103	
88038	9		<0.2		233		317	
88039	<5		0.3		207		147	
88040	<5		0.3		342		150	

>DL Value greater than detection limit

  
 Joe Landers, Manager

# Laboratoire Expert Inc.

127, Boulevard Industriel  
Rouyn-Noranda, Québec  
Canada, J9X 6P2  
Telephone : (819) 762-7100, Fax : (819) 762-7510

\*\*\* Certificate of analysis \*\*\*

Date : 2007-09-09

Page : 2 of 10

Client : <b>Laurion Mineral Exploration Inc.</b>			
Addressee : <b>Les Tihor</b>		Folder : <b>16498</b>	
P.O. Box 253 Shumacher Ontario PON 1G0		Your order number :	
Telephone : (705) 264-7820		Project : <b>E-M</b>	
		Total number of samples : <b>100</b>	

Designation	Au FA-GEO ppb 5	Au-Dup FA-GEO ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2
88041	<5		<0.2		165		911	
88042	<5		<0.2		42		116	
88043	16		<0.2		105		99	
88044	<5		<0.2		73		1151	
88045	6	8	0.6	0.5	179	180	1359	1328
88046	<5		<0.2		61		131	
88047	7		1.4		341		3676	
88048	<5		0.7		385		1654	
88049	9		<0.2		149		322	
88050	12		<0.2		131		45	
88051	26		1.1		898		41	
88052	<5		<0.2		19		25	
88053	16		<0.2		280		45	
88054	<5		<0.2		347		51	
88055	<5		0.4		726		34	
88056	<5		<0.2		192		45	
88057	<5	<5	<0.2	<0.2	170	159	55	47
88058	18		<0.2		128		51	
88059	<5		<0.2		138		54	
88060	7		<0.2		168		27	

# Laboratoire Expert Inc.

127, Boulevard Industriel  
Rouyn-Noranda, Québec  
Canada, J9X 6P2  
Telephone : (819) 762-7100, Fax : (819) 762-7510

## \*\*\* Certificate of analysis \*\*\*

Date : 2007/09/09

Page : 3 of 10

Client : <b>Laurion Mineral Exploration Inc.</b>	
Addressee : <b>Les Tihor</b>  P.O. Box 253 Shumacher Ontario P0N 1G0  Telephone : (705) 264-7820	Folder : <b>16498</b> Your order number : Project : <b>E-M</b> Total number of samples : <b>100</b>

Designation	Au FA-GEO ppb 5	Au-Dup FA-GEO ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2
88061	<5		<0.2		146		52	
88062	<5		<0.2		136		45	
88063	<5		<0.2		112		62	
88064	19		<0.2		178		43	
88065	5		0.3		540		44	
88066	8		<0.2		230		51	
88067	<5		<0.2		102		94	
88068	<5		<0.2		197		65	
88069	<5	<5	<0.2	0.2	81	77	34	28
88070	<5		<0.2		116		104	
88071	<5		<0.2		67		100	
88072	<5		<0.2		129		127	
88073	<5		<0.2		136		72	
88074	15		<0.2		155		292	
88075	9		<0.2		78		91	
88076	<5		<0.2		61		134	
88077	<5		<0.2		63		42	
88078	<5		<0.2		45		78	
88079	64		1.3		1227		186	
88080	8		<0.2		54		68	

# Laboratoire Expert Inc.

127, Boulevard Industriel  
Rouyn-Noranda, Québec  
Canada, J9X 6P2  
Telephone : (819) 762-7100, Fax : (819) 762-7510

\*\*\* Certified of analysis \*\*\*

Date : 2007/

Page : 4 of 10

Client : <b>Laurion Mineral Exploration Inc.</b>	
Addressee : <b>Les Tihor</b>  P.O. Box 253 Shumacher Ontario P0N 1G0  Telephone : (705) 264-7820	Folder : <b>16498</b> Your order number : Project : <b>E-M</b> Total number of samples : <b>100</b>

Designation	Au FA-GEO ppb 5	Au-Dup FA-GEO ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2
88081	<5	<5	<0.2	<0.2	50	46	59	52
88082	<5		<0.2		44		62	
88083	<5		<0.2		75		57	
88084	<5		<0.2		78		92	
88085	7		<0.2		65		637	
88086	34		0.5		232		4194	
88087	22		<0.2		163		62	
88088	32		0.7		259		6704	
88089	11		<0.2		122		175	
88090	25		<0.2		140		5732	
88091	14		0.9		454		>DL	
88092	93		1.0		464		6693	
88093	17	20	<0.2	<0.2	81	80	555	531
88094	13		<0.2		146		95	
88095	19		<0.2		72		80	
88096	10		<0.2		105		209	
88097	33		0.3		129		4327	
88098	<5		<0.2		130		106	
88099	157		1.0		624		5588	
88100	12		0.2		132		46	

>DL Value greater than detection limit

# Laboratoire Expert Inc.

127, Boulevard Industriel  
Rouyn-Noranda, Québec  
Canada, J9X 6P2  
Telephone : (819) 762-7100, Fax : (819) 762-7510

\*\*\* Certificate of analysis \*\*\*

Date : 2007-09-09

Page : 5 of 10

Client : <b>Laurion Mineral Exploration Inc.</b>			
Addressee : <b>Les Tihor</b>		Folder : <b>16498</b>	
P.O. Box 253 Shumacher Ontario PON 1G0		Your order number :	
Telephone : (705) 264-7820		Project : <b>E-M</b>	
		Total number of samples : <b>100</b>	

Designation	Au FA-GEO ppb 5	Au-Dup FA-GEO ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2
88101	13		<0.2		121		43	
88102	13		<0.2		144		26	
88103	9		<0.2		120		32	
88104	29		0.5		145		59	
88105	36	40	<0.2	0.2	170	185	4877	5055
88106	39		<0.2		131		50	
88107	6		<0.2		140		40	
88108	8		<0.2		139		53	
88109	<5		<0.2		138		98	
88110	15		<0.2		87		53	
88111	<5		<0.2		41		31	
88112	<5		<0.2		137		49	
88113	<5		<0.2		84		51	
88114	<5		<0.2		32		38	
88115	<5		<0.2		43		35	
88116	5		<0.2		44		48	
88117	<5	<5	<0.2	<0.2	73	72	40	41
88118	<5		<0.2		56		19	
88119	<5		<0.2		51		41	
88120	<5		0.3		459		25	



# Laboratoire Expert Inc.

127, Boulevard Industriel  
Rouyn-Noranda, Québec  
Canada, J9X 6P2  
Telephone : (819) 762-7100, Fax : (819) 762-7510

## \*\*\* Certificate of analysis \*\*\*

Date : 2007-09-09

Page : 6 of 10

Client : <b>Laurion Mineral Exploration Inc.</b>	
Addressee : <b>Les Tihor</b>  P.O. Box 253 Shumacher Ontario P0N 1G0  Telephone : (705) 264-7820	Folder : <b>16498</b> Your order number : Project : <b>E-M</b> Total number of samples : <b>100</b>

<u>Designation</u>	<u>Zn AAT-8 %</u> 0.010
88021	
88022	
88023	
88024	
88025	
88026	
88027	
88028	
88029	1.600
88030	
88031	1.620
88032	
88033	
88034	
88035	
88036	
88037	
88038	
88039	
88040	

# Laboratoire Expert Inc.

127, Boulevard Industriel  
Rouyn-Noranda, Québec  
Canada, J9X 6P2  
Telephone : (819) 762-7100, Fax : (819) 762-7510

## \*\*\* Certificate of analysis \*\*\*

Date : 2007-09

Page : 7 of 10

Client : <b>Laurion Mineral Exploration Inc.</b>	
Addressee : <b>Les Tihor</b>  P.O. Box 253 Shumacher Ontario PON 1G0  Telephone : (705) 264-7820	Folder : <b>16498</b> Your order number : Project : <b>E-M</b> Total number of samples : <b>100</b>

<u>Designation</u>	<u>Zn AAT-8 %</u>
88041	0.010
88042	
88043	
88044	
88045	
88046	
88047	
88048	
88049	
88050	
88051	
88052	
88053	
88054	
88055	
88056	
88057	
88058	
88059	
88060	

# Laboratoire Expert Inc.

127, Boulevard Industriel  
Rouyn-Noranda, Québec  
Canada, J9X 6P2  
Telephone : (819) 762-7100, Fax : (819) 762-7510

## \*\*\* Certificate of analysis \*\*\*

Date : 2007/07/09

Page : 8 of 10

Client : <b>Laurion Mineral Exploration Inc.</b>			
Addressee : <b>Les Tihor</b>		Folder : <b>16498</b>	
P.O. Box 253 Shumacher Ontario PON 1G0		Your order number :	
Telephone : (705) 264-7820		Project : <b>E-M</b>	
		Total number of samples : <b>100</b>	

<u>Designation</u>	<u>Zn AAT-8 %</u>
88061	0.010
88062	
88063	
88064	
88065	
88066	
88067	
88068	
88069	
88070	
88071	
88072	
88073	
88074	
88075	
88076	
88077	
88078	
88079	
88080	

# Laboratoire Expert Inc.

127, Boulevard Industriel  
Rouyn-Noranda, Québec  
Canada, J9X 6P2  
Telephone : (819) 762-7100, Fax : (819) 762-7510

## \*\*\* Certificate of analysis \*\*\*

Date : 2007-09-09

Page : 9 of 10

Client : <b>Laurion Mineral Exploration Inc.</b>			
Addressee : <b>Les Tihor</b>		Folder : <b>16498</b>	
P.O. Box 253 Shumacher Ontario PON 1G0		Your order number :	
Telephone : (705) 264-7820		Project : <b>E-M</b>	
		Total number of samples : <b>100</b>	

<u>Designation</u>	<u>Zn AAT-8 %</u>
88081	0.010
88082	
88083	
88084	
88085	
88086	
88087	
88088	
88089	
88090	
88091	1.510
88092	
88093	
88094	
88095	
88096	
88097	
88098	
88099	
88100	

# Laboratoire Expert Inc.

127, Boulevard Industriel  
Rouyn-Noranda, Québec  
Canada, J9X 6P2  
Telephone : (819) 762-7100, Fax : (819) 762-7510

\*\*\* Certificate of analysis \*\*\*

Date : 2007-09-09

Page : 10 of 10

Client : <b>Laurion Mineral Exploration Inc.</b>	
Addressee : <b>Les Tihor</b>  P.O. Box 253 Shumacher Ontario P0N 1G0	Folder : <b>16498</b> Your order number : Project : <b>E-M</b>
Telephone : (705) 264-7820	Total number of samples : <b>100</b>

<u>Designation</u>	Zn AAT-8 %
88101	0.010
88102	
88103	
88104	
88105	
88106	
88107	
88108	
88109	
88110	
88111	
88112	
88113	
88114	
88115	
88116	
88117	
88118	
88119	
88120	

# Laboratoire Expert Inc.

127, Boulevard Industriel  
Rouyn-Noranda, Québec  
Canada, J9X 6P2  
Telephone : (819) 762-7100, Fax : (819) 762-7510

## \*\*\* Certificate of analysis \*\*\*

Date : 2007-08-08

Page : 1 of 4

Client : <b>Laurion Mineral Exploration Inc.</b>	
Addressee : <b>Les Tihor</b>  P.O. Box 253 Shumacher Ontario P0N 1G0  Telephone : (705) 264-7820	Folder : <b>16499</b> Your order number : Project : <b>E-M</b> Total number of samples : <b>79</b>

Designation	Au FA-GEO ppb 5	Au-Dup FA-GEO ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2
88121	<5	<5	<0.2	<0.2	113	112	39	34
88122	<5		<0.2		62		77	
88123	12		0.7		197		239	
88124	14		<0.2		56		84	
88125	23		0.6		191		207	
88126	10		<0.2		72		115	
88127	7		<0.2		87		165	
88128	14		<0.2		142		2143	
88129	7		<0.2		159		106	
88130	7		<0.2		130		2006	
88131	<5		<0.2		91		95	
88132	7		<0.2		111		70	
88133	<5	<5	<0.2	<0.2	148	153	47	45
88134	5		<0.2		155		737	
88135	804		1.2		379		4206	
88136	90		1.2		530		5193	
88137	117		0.6		253		1274	
88138	154		0.6		324		2181	
88139	27		1.2		303		2255	
88140	191		0.9		283		3265	

  
Joe Landers, Manager

# Laboratoire Expert Inc.

127, Boulevard Industriel  
Rouyn-Noranda, Québec  
Canada, J9X 6P2  
Telephone : (819) 762-7100, Fax : (819) 762-7510

\*\*\* Certified of analysis \*\*\*

Date : 2007/

Page : 2 of 4

Client : <b>Laurion Mineral Exploration Inc.</b>	
Addressee : <b>Les Tihor</b>  P.O. Box 253 Shumacher Ontario P0N 1G0  Telephone : (705) 264-7820	Folder : <b>16499</b>  Your order number :  Project : <b>E-M</b>  Total number of samples : <b>79</b>

Designation	Au FA-GEO ppb 5	Au-Dup FA-GEO ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2
88141	23		0.3		148		2257	
88142	35		<0.2		185		4035	
88143	7		<0.2		97		125	
88144	13		0.2		122		994	
88145	11	9	<0.2	<0.2	78	78	818	816
88146	24		0.5		116		4205	
88147	37		0.4		186		1981	
88148	37		0.6		287		1919	
88149	14		<0.2		106		239	
88150	7		<0.2		93		169	
88151	62		0.3		182		2631	
88152	7		<0.2		119		648	
88153	<5		<0.2		52		89	
88154	48		0.7		276		3518	
88155	<5		<0.2		127		49	
88156	54		1.1		991		68	
88157	7	9	<0.2	<0.2	126	127	46	39
88158	10		<0.2		124		90	
88159	58		2.6		686		329	
88160	6		<0.2		70		534	

# Laboratoire Expert Inc.

127, Boulevard Industriel  
Rouyn-Noranda, Québec  
Canada, J9X 6P2  
Telephone : (819) 762-7100, Fax : (819) 762-7510

## \*\*\* Certificate of analysis \*\*\*

Date : 2007-07-18

Page : 3 of 4

Client : <b>Laurion Mineral Exploration Inc.</b>	
Addressee : <b>Les Tihor</b>  P.O. Box 253 Shumacher Ontario P0N 1G0  Telephone : (705) 264-7820	Folder : <b>16499</b>  Your order number :  Project : <b>E-M</b>  Total number of samples : <b>79</b>

Designation	Au FA-GEO ppb 5	Au-Dup FA-GEO ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2
88161	<5		<0.2		89		36	
88162	13		1.5		2070		64	
88163	<5		<0.2		135		42	
88164	30		1.0		1253		52	
88165	<5		<0.2		154		101	
88166	36		1.1		1699		59	
88167	52		0.7		1355		40	
88168	12		<0.2		106		39	
88169	<5	<5	<0.2	<0.2	172	173	37	33
88170	<5		<0.2		77		43	
88171	6		<0.2		356		202	
88172	20		0.4		1252		176	
88173	64		1.8		2762		55	
88174	74		1.1		1901		87	
88175	8		<0.2		260		95	
88176	58		1.5		1959		94	
88177	30		0.5		1323		49	
88178	62		0.7		1250		48	
88179	33		0.4		749		191	
88180	12		<0.2		420		405	



# Laboratoire Expert Inc.

127, Boulevard Industriel  
 Rouyn-Noranda, Québec  
 Canada, J9X 6P2  
 Telephone : (819) 762-7100, Fax : (819) 762-7510

## \*\*\* Certificate of analysis \*\*\*

Date : 2007-08-08

Page : 4 of 4

Client : <b>Laurion Mineral Exploration Inc.</b>	
Addressee : <b>Les Tihor</b>  P.O. Box 253 Shumacher Ontario P0N 1G0  Telephone : (705) 264-7820	Folder : <b>16499</b> Your order number : Project : <b>E-M</b> Total number of samples : <b>79</b>

Designation	Au FA-GEO ppb 5	Au-Dup FA-GEO ppb 5	Ag AAT-7 ppm 0.2	Ag-Dup AAT-7 ppm 0.2	Cu AAT-7 ppm 2	Cu-Dup AAT-7 ppm 2	Zn AAT-7 ppm 2	Zn-Dup AAT-7 ppm 2
88181	49	45	0.7	0.6	1470	1454	85	79
88182	46		<0.2		627		174	
88183	32		0.7		1746		75	
88184	48		1.0		856		70	
88185	<5		<0.2		250		32	
88186	<5		<0.2		22		36	
88187	<5		<0.2		52		118	
88188	766		3.1		3473		63	
88189	<5		<0.2		150		42	
88190	13		<0.2		448		36	
88191	469		3.4		4237		53	
88192	5		<0.2		152		35	
88193	<5	5	<0.2	<0.2	135	139	30	29
88194	<5		<0.2		83		34	
88195	6		<0.2		103		25	
88196	10		<0.2		134		37	
88197	10		<0.2		543		50	
88198	<5		<0.2		132		41	
88199	8		<0.2		82		8	