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**DETOUR GOLD™**

**REPORT OF REGIONAL  
EXPLORATION ACTIVITIES ON  
THE DETOUR LAKE AREA  
PROPERTIES**

---

**Years 2012 and 2013**

**Detour Gold Corporation**

**November 28, 2014**

**Charles Hartley, P. Geo  
Consultant Geologist**

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- Maps – Outcrop locations with lithological and structural stations, grab and litho-geochemical sampling at 1:5000 scale
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## 1 SUMMARY

The property is entirely within the Abitibi Greenstone Belt in northeastern Ontario, it encompasses 630 square kilometers, including the Detour Lake mine operated by Detour Gold Corporation (“**DGC**”).

Located approximately 180 kilometers northeast of Cochrane Ontario, the property outline extends from the Ontario-Quebec border to approximately 35 kilometers west, and over 30 kilometers from north to south. Access to the property is available via the Detour Lake mine road, an extension of Highway 652 from Cochrane.

The project area is underlain by supracrustal rocks of the Abitibi Greenstone Belt within the volcanic assemblage of the Deloro Group and the younger sediments of the Caopatina Group.

From June to late August 2012 and May 2013 and September 2013 a regional geological mapping and grab sampling program commenced and focused on the Hopper Lake area, and south of Hopper Lake to the eastern limit of the property, along and to the south of the Lower Detour Deformation Zone (LDDZ).

A program of systematic geological mapping, sampling, and hand trenching was completed over two seasons from June 2012 to August 2012 and May 2013 to September 2013. The results of these and other studies including Litho-geochemical studies and structural analysis have added significantly to the understanding of the Lower Detour Lake geology, alteration and its regional setting.

The sampling was completed by DGC geologists, geo-technical staff and geological summer students.

Samples are prepared at ALS Laboratories in Timmins and Sudbury and assayed at their Vancouver, B.C. laboratory. Analysis for gold is completed using 50 grams fire assay (AA finish). Samples with higher grade gold (>3 g/t) or with visible gold are re-assayed using the pulp and metallics procedures. The Company's quality control checks include the insertion of standard reference materials and blank samples to monitor the accuracy of the assay data. Also 35 element ICP analysis of the drill core was completed in Vancouver, B C.

The anomalous gold values associated with shear structures, folding and quartz veining with pyrite may indicate the presence of significant gold mineralization

Future exploration will continue to assist with the understanding of the Lower Detour Lake geology.

## 2 INTRODUCTION

The Detour Lake property is located in northeast Ontario, approximately 180 km northeast of Cochrane. The property consists of both CLM Mining leases and individual claim blocks.

The sampling was completed by DGC geologists, geo-technical staff and geological summer students.

From June to late August of 2012 and May 2013 to September 2013, a regional program of geological mapping, grab sampling and hand trenching exploration from Hopper Lake area in the west and south of Hopper Lake to the east limit of the property, along and to the south of the Lower Detour Deformation Zone (LDDZ).

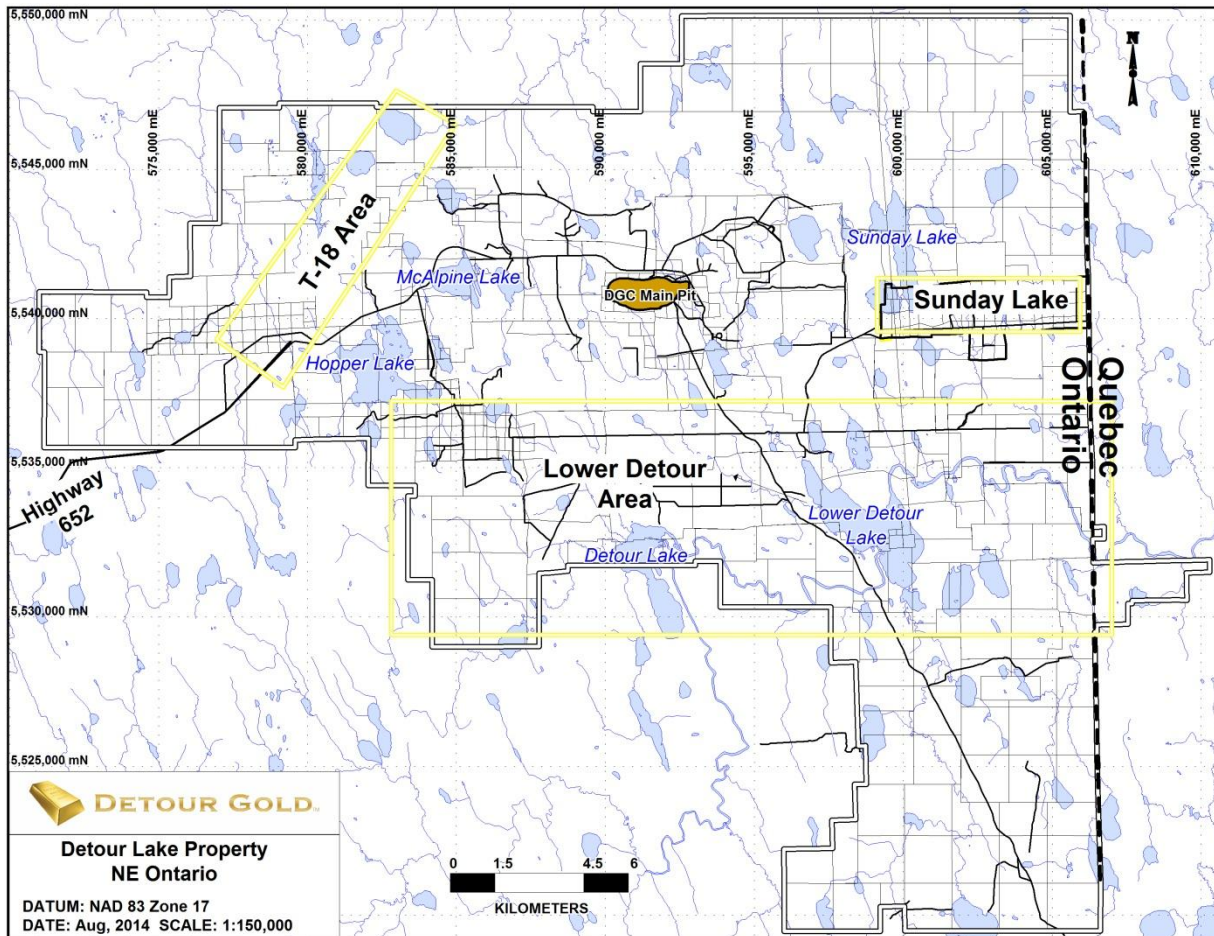
## 3 PROPERTY

### 3.1 Location, Access and Resources

The Detour Lake Property is accessible by an extension of Highway 652 north about 180 km north of Cochrane. The first 150 km on Highway 652 is paved surface road followed by 30km of well-maintained gravel surfaced road to the project site (**Figure 3-1: Location Map**).

The property covers an area of contiguous mining claims and mining leases covering 630 sq. km from the Ontario-Quebec border to about 35 km west, centered approximately 180 km northeast of Cochrane, ON

Access to the Lower Detour is provided helicopter and by a series of winter trails leading to the diamond drill set up areas.



**Figure 3-1: Location Map**

The south part of the property (straddling the Lower Detour Deformation Zone) has access via winter roads and trails and helicopter services are needed for the exploration programs.

The Property is relatively flat, with maximum relief of about 30 metres and is located close to the Hudson Bay Lowlands. Bedrock outcrops form ridges within large areas overlain by thick 20 to 40metres accumulations of glacial till material (poorly sorted sand with lenses of gravel). Approximately 30% of the property is covered by muskeg swamp, which can be up to 2.0 metres. Drainage in the area is generally very poor.

### 3.2 Limits and Ownership

The limits and Ownership briefly described here.

The Detour Lake property covers an area of 630 km<sup>2\*</sup> and forms contiguous patented or unpatented mining claims and/or mining leases (CLMs) in the District of Cochrane. It includes the Mine Option Property and the surrounding lands known as the Detour Exploration Lands (Blocks A, B, C, D and E), as well as claims staked and purchased by the previous owners and unpatented mining claims staked by Detour Gold Corp.

Certain claims are covered under individual agreements which may include specific royalty payments.

The Company has consolidated the area and now controls approximately 630 km<sup>2</sup>.

## 4 HISTORICAL EXPLORATION

The historical exploration here as quoted and modified and added to from Roger Aubertin from the assessment report entitled: “**Report of Regional Exploration Activities on MMI Target T18 and Lower Detour Sector, Detour Lake Property, Year 2011**”, report completed on July 25, 2012.

Exploration activities started as early as 1970's but intensified in 1974 with the discovery of Detour Lake mine by Amoco Canada Petroleum Company Limited. Most of the past exploration has been completed by mine operators, including Amoco, Campbell Red Lake Mines and Placer Dome. Other exploration programs have been completed by Pelangio, Tradewinds Venture respectively on Detour Lake and Block “A” properties. Westmin Resources and Conquest Resources have also made a substantial contribution in the exploration of the entire Detour Lake property specifically the Lower Detour Lake Area. Lesser amounts of exploration were completed by a number of smaller companies, including Global Energy Limited, Gowest Amalgamated and Destor Resources Exploration.

In 2007 Detour Gold Corporation bought the Detour Lake property and since then, the company has conducted exploration and delineation diamond drilling of the Detour Lake Mine Deposit and the Block “A” deposit. As of December 2011, Detour Gold has defined the mineral reserve of 15.6 Million troy ounces gold within the main deposit and as February 2014 a mineral resource of 2.1 million troy ounces gold in Block “A”.

During 2010 to 2012 Detour Gold completed extensive regional geochemical MMI and Induced Polarization geophysical surveys over much of the Detour Gold property including the Lower Detour Area. Detour also completed limited exploration diamond drilling on the Lower Detour area in 2011, 2012 and 2013 which was followed up with a more intensive diamond drilling program of anomaly drilling and which lead to the discovery of the 58 zone and 75 zones. These programs have been reported in earlier assessment reports.

## 5 GEOLOGY

The geology, lithologies and mineralization at the Detour Lake Deposit are best described in: *J Oliver, J Ayer, B Dube, R Aubertin, M Burson, G Panneton, R Friedmen, and M Hamilton (2012) Structure Stratigraphy and Alteration Characteristics of Gold Mineralization at Detour Lake Deposit, Ontario, Canada. In Exploration and Mining Journal Volume 20 p 1 – 30. Copyright (2012) Canadian Institute of Mining Metallurgy and Petroleum.*

The regional geology is briefly described here as quoted and modified from by Roger Aubertin from the assessment report entitled: **“Report of Regional Exploration Activities on MMI Target T18 and Lower Detour Sector, Detour Lake Property, Year 2011”**, report completed on July 25, 2012.

### 5.1 Regional Geology

The Detour Lake property is located within the Abitibi Greenstone Belt in the Superior Province of the Canadian Shield. The supracrustal rocks consist of mafic and ultramafic volcanic rocks of the Deloro Group in thrust contacts with the younger Caopatina sedimentary sequence, forming the core of a regional-scale synform.

The northern and southern contacts of the Caopatina sediments differ in style. The northern contact is highly planar and defines the position of the Sunday Lake Deformation Zone; volcanic units north of this deformation zone are dominated by pillowed and massive mafic flows of the upper Detour Lake formation. The mineralization of the Detour Lake gold deposit is associated to this deformation zone. In contrast, the southern contact (Lower Detour Deformation Zone) is irregular, and is characterized by volcanic rocks with a very high

Magnetic signature characterized by the presence of abundant ultramafic and lesser mafic volcanic rocks; it is considered to be an unconformity similar in nature to the low-angle unconformity found at the base of the Porcupine assemblage in the Timmins camp (Bateman et al., 2008).

The volcanic assemblage of the Deloro Group is made of massive and pillowed tholeiitic basalt flows and local komattic volcanic flows with interflows with mafic tuffs while the Caopatina sequence is composed principally of conglomerates, greywacke and graphitic sediments. These units are intruded locally by gabbros sills and felsic dykes.

The regional metamorphism is generally at the upper greenschist facies but increases to lower amphibolite to the west of the property close to the Opatica gneissic basement. Contact metamorphism is principally observed to the south next to the diorite-gabbro batholith.



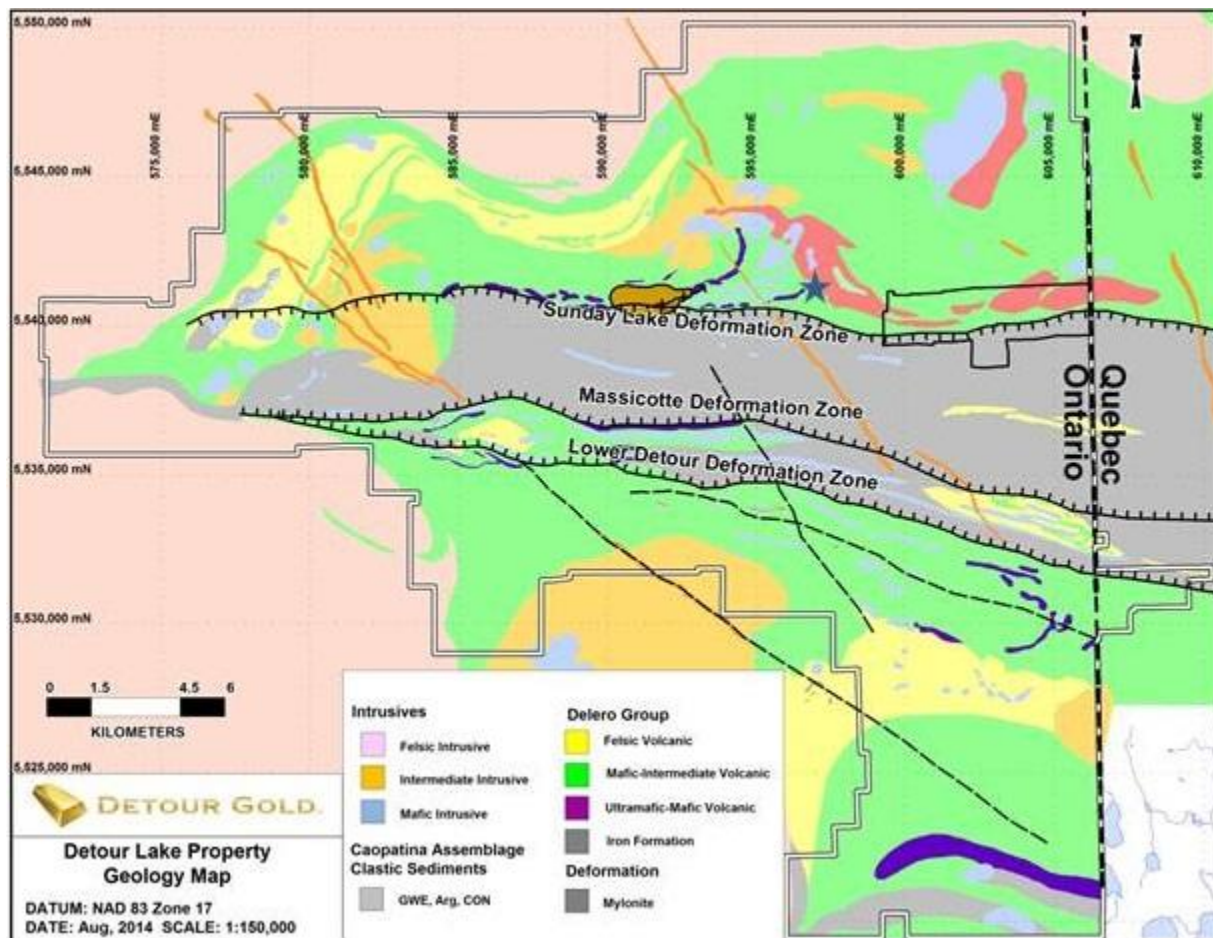


Figure 5-1: Regional Geology Map of the Detour Lake Area

## 5.2 Main Lithologies

### 5.2.1 Deloro Volcanic Assemblage

Principally massive to amygdaloidal pillowed tholeiitic basaltic and ultramafic flows with interflows of mafic tuffs and locally narrow chemical sediments are observed across the project area. The basalt is fine to medium grained with dark chlorite colour. The pillow selvages contain quartz, epidote and carbonate; sulphides are observed in the deformed areas. The tuff is principally observed immediately south of LDDZ and is finer grained with lighter green colour.

The ultramafic flows typically have a very strong magnetic signature and comprise a thick sequence of ultramafic flows, with locally preserved spinifex textures, coarse grained pyroxenites and fine grained ultramafic sills. Generally conformable contact relationships are observed.

### 5.2.2 Caopatina Assemblage

The Caopatina Assemblage consists of interbedded argillaceous siltstones, quartz wackes, and banded amphibolites, and minor mafic volcanlastic rocks. Conglomerates are not common although narrow one metre bands are noted.

The Caopatina Assemblage is north of the Deloro Assemblage and a north dipping thrust fault contact with the Deloro Assemblage to the south has been interoperated from diamond drilling.

### 5.3 Mineralization

The gold mineralization within the Detour Lake Deposit is generally associated to high strained zones in the HW of the SLDZ. South of LDDZ the mineralization is associated to tuffaceous/chemical sediments within quartz-carbonate-sulphides (py-po-cpy) veinlets. Gold mineralization is also observed within brecciated zones in the Caopatina conglomerates.

In the Lower Detour Lake area in the area of zones 58 and 75 gold mineralization is associated with silicification, quartz veining, tourmaline and minor pyrite and chalcopyrite mineralization within fractured intermediate feldspar porphyry. In “Area 58” gold occurs as free coarse gold within quartz-tourmaline veins associated with minor pyrite and/or trace chalcopyrite.

In “Area 75” gold mineralization occurs within a silicified shear with narrow quartz - tourmaline veining and stringers with disseminated pyrite and trace chalcopyrite.

Detour Gold has identified a significant mineralized system to the north of Zone 75 in following up a high-grade intercept of 17.3 g/t over 4.4 metres (DLD-13-075, last hole of the 2013 drilling program). This east-west mineralized zone (referred to as Zone 58N) was tested over a length of 450 metres by 28 holes totaling 10,888 metres. The mineralized system has a maximum width of 120 metres and narrows to less than 15 metres to the west and east. It has been tested from surface to a depth of approximately 300 metres and it remains open to the west and down dip. The gold mineralization is mainly found within the southern portion of strongly sheared and altered feldspar porphyry intrusive containing quartz and/or quartz-tourmaline veins with up to 10% pyrite and multiple occurrences of visible gold. The results suggest that the grade and continuity of the gold mineralization may improve at depth.

### 5.4 Alteration

Strong potassic alteration is generally associated to the gold mineralization within the Detour Lake deposit and focused on the areas of high strain with silicification and quartz veining as well as carbonate alteration.

Alteration within the Lower Detour area, specifically within the Area 58 and Area 75, is dominantly silicification as quartz tourmaline veining and stringers. Minor sericite alteration is also observed in Area 75 within the sheared mafic volcanic. Significant silicification and potassic alteration occurs associated with quartz tourmaline veining, pyrite and trace chalcopyrite within fractured feldspar porphyry,

## **5.5 Structure**

The main structures are the EW trending Sunday Lake Deformation Zone and the Lower Detour Deformation Zone. Generally foliation has also an EW trend, dipping 75-85° north or south.

This general trend changes closer to the southern batholiths. There are also several NW structures of which, the Sagimeo shear is one. These structures are visible on the satellite image and the aeromag survey.

The lithologies in the Lower Detour area dip steeply south approximately 80 degrees and strike east west. However structural compilations east of Hopper Lake indicate complex folding. This is seen from the airborne aeromagnetic data and confirmed by geological mapping and prospecting.

The Caopatina Assemblage is north of the Deloro Assemblage and a north dipping thrust fault contact with the Deloro Assemblage to the south has been interpreted from diamond drilling.

## **5.6 Regional and Contact Metamorphism**

The stratigraphy shows a regional metamorphism from the upper greenschist to lower amphibolite. Contact metamorphism is principally next to the southern batholiths; sediments are metamorphosed to hornfels. Mainly epidote-garnet layers crosscut the general foliation.

# **6 2012 AND 2013 REGIONAL EXPLORATION ACTIVITIES**

From June to late August 2012 and May 2013 and September 2013 a regional geological mapping and grab sampling program commenced and focused on the Hopper Lake area, and south of Hopper Lake to the eastern limit of the property, along and to the south of the Lower Detour Deformation Zone (LDDZ).

This project was helicopter supported with exploration personnel transported to and from the project area daily. Geological mapping was completed on prepared north - south cut lines with GPS control to track the areas mapped.

Areas with outcrop were mapped and sampled if necessary. Occasional outcrops were stripped with hand tools, shovels, rakes, geology picks. Sampling was completed with a diamond rock saw or grab samples were collected when warranted.

Samples are prepared at ALS Laboratories in Timmins and Sudbury and assayed at their Vancouver, B.C. laboratory. Analysis for gold is completed 50 grams fire assay (AA finish). Samples with higher grade gold (>3 g/t) or with visible gold are re-assayed using the pulp and metallics procedures. The Company's quality control checks include the insertion of standard reference materials and blank samples to monitor the accuracy of the assay data. Also 35 element ICP analysis of the drill core was completed in Vancouver, B C.



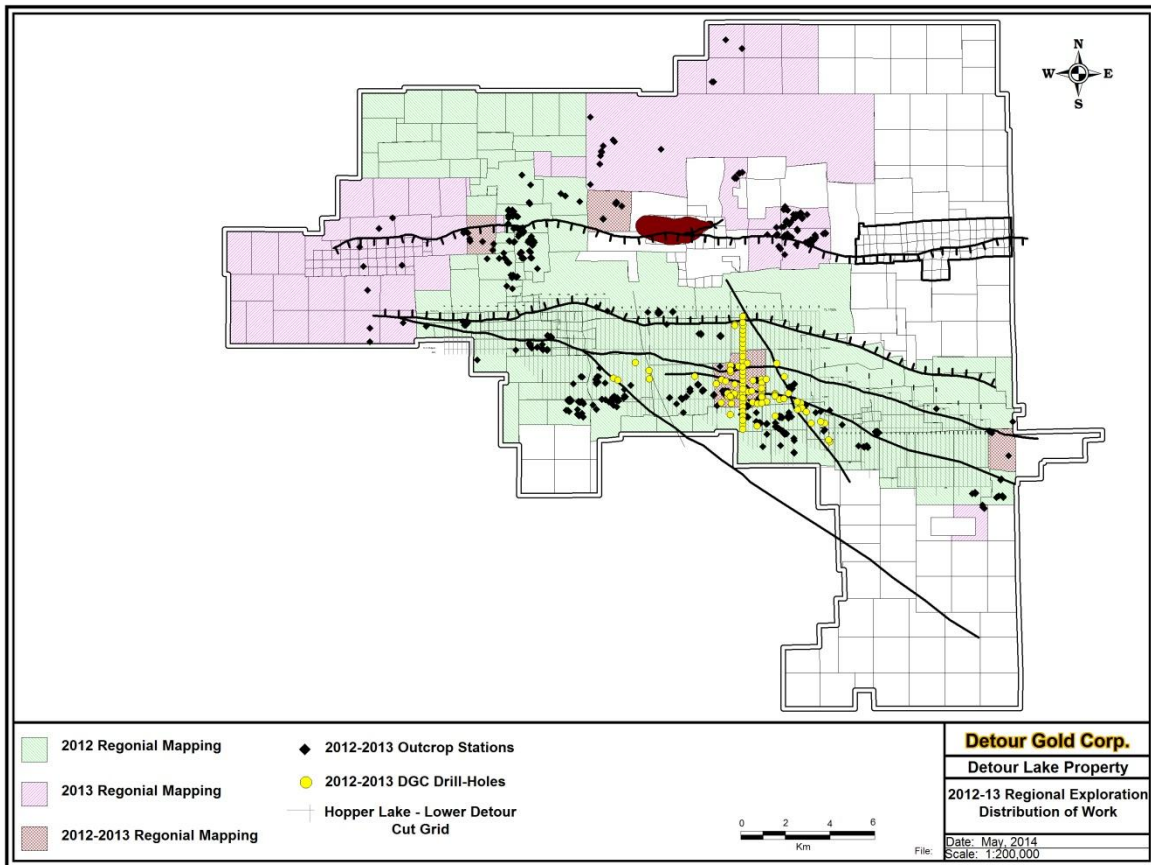


Figure 6-1: Regional Exploration 2012 & 2013

## 7 CONCLUSIONS AND RECOMMENDATIONS

A program of systematic geological mapping, sampling, and hand trenching was completed over two seasons from June 2012 to August 2012 and May 2013 to September 2013. The results of these and other studies including Litho-geochemical studies and structural analysis have added significantly to the understanding of the Lower Detour Lake geology alteration and its regional setting.

The anomalous gold values associated with shear structures, folding and quartz veining with pyrite may indicate the presence of significant gold mineralization

Future exploration will continue to assist with the understanding of the Lower Detour Lake geology.

## 8 EXPENDITURES

Exploration expenditures in 2012 total \$461,439 and are summarized in Table 8-1. Exploration expenditures for 2013 total \$309,560 and are summarized in Table 8-2.

**Table 8-1: Table of Personnel and Expenditures - 2012**

### 2012 Expenditures

	Rate	Total Wages	Meals & Accom	Total Expenses	Total
<b>Man Days - Student</b>	275 day / \$ 250	\$ 68,750	120/day	\$33,000	\$101,750
<b>Man Days Project Geo / MSc. Student</b>	165 days / \$ 350	\$ 56,700	120/day	\$19,440	\$76,140
<b>Management Total Days</b>	20 days / \$ 600	\$ 12,000	120/day	\$2,400	\$14,400
<b>Total Labour Wages</b>				<b>Total</b>	<b>\$192,290</b>
<b>Travel Expenses</b>	\$5,000.00			<b>Total</b>	<b>\$5,000</b>
<b>Employee Training</b>				<b>Total</b>	<b>\$1,610</b>
<b>Field / Office Supplies</b>	\$13,469.00			<b>Total</b>	<b>\$13,469</b>
	Hours	Total	Fuel Total		
<b>Helicopter Transport (hours)</b>	177 (\$1065/hr)	\$ 189,234	\$55,268	<b>Total</b>	<b>\$244,502</b>
<b>Sample Analysis</b>				<b>Total</b>	<b>\$4,568</b>
				<b>Total</b>	<b>\$461,439</b>
				-	50%
				=	\$230,720

**Table 8-2: Detour Gold Exploration Personnel - 2012**

<b>Employees</b>		<b>Total Days</b>
Donavon MacGillivray	Student	79
Iain Campbell	Student	62
Kelly Malcolm	Student	62
Ryan Humphries	Student	72
Adree DeLazzer	Project Geologist	80
Geraldine St. Pierre	Master's Student	82
Guy Mac Gillivray / Charley Hartley	Management	20

**Total**

**457**

**Table 8-2: Table of Personnel and Expenditures - 2013**

**2013 Detour Gold Exploration Expenditures**

90% Mapping; 10% Channel Sampling					
<b>Labour - Wages</b>	Rate	Total Wages	Meals & Accomd	Total Expens es	Total
		\$		\$43,92	
<b>Total Man Days - Student</b>	366 days / \$250	91,500.00	120/day	0	\$135,420
<b>Total Man Days Project</b>		\$		\$15,72	
<b>Geo</b>	131 days / \$ 350	45,850.00	120/day	0	\$61,570
<b>Logistics/Administrator/Tech</b>	26 days / \$200	5,200.00	120/day	\$3,120	\$8,320
		\$			
<b>Management Total Days</b>	33 days / \$ 600	19,800.00	120/day	\$3,960	\$23,760
				<b>Total</b>	<b>\$229,070</b>
<b>Travel Expenses</b>	\$			<b>Total</b>	<b>\$7,000</b>
	7,000.00				
<b>Office / Field Supplies</b>	\$			<b>Total</b>	<b>\$4,000</b>
	4,000.00				
<b>Training</b>	\$			<b>Total</b>	<b>\$3,000</b>
	3,000.00				
<b>Transport - ARGO / Side by Side</b>	Days	Rate			
Argo Rentals		92	\$250	\$18,400	\$18,400
Argo Repairs				\$3,000	\$3,000
Side by Side Repairs - Tracks				\$4,000	\$4,000
				<b>Total</b>	<b>\$25,400</b>
	<b>Hours</b>	<b>Rate</b>	<b>Fuel</b>	<b>Total Rate</b>	<b>Total</b>
<b>Transport - Helicopter</b>				31,950	
	30	1,065	4,792.50	.00	<b>\$36,742</b>
<b>Analysis / Transport Grab Samples</b>	<b>Cost</b>	<b>No. of Samples</b>			<b>Total</b>
	\$18	11			\$198
<b>Total</b>					<b>\$4,348</b>
<b>TOTAL 2013</b>					<b>\$309,560</b>

### Detour Gold Exploration Personnel 2013

Detour Staff	May	June	July	August	September	Total	Position
Ryan Humphries	15	23	24	30		92	Student
Adam Shushan	15	23	24	30		92	Student
Emilia Principe	15	23	24	28		90	Student
Anthony Valvasori	15	23	24	30		92	Student
Chyenne Linekar				7	4	11	Geo-Tech
Jim Campbell	1	1	1	2	1	6	Logistics
Angela Linklater	2	2	2	2	1	9	Office Admin
Kevin Linekar						0	Geo-Tech
April Coombs		14	14	10		38	Project Geo
Adree DeLazzer	5	27	10	20	9	71	Project Geo
John Walmsley	2	10	10			22	Project Geo
Charles Hartley	2	3	2			7	Assistant Manager Exploration
Guy Mac Gillivray		3	10	10	3	26	Manager Exploration

Total

556

## 9 REFERENCES

*Detour Gold Corporation:*

2012 and 2013 DGC vendor balance detailed payments, prepared by Accounting Dept., Detour Gold Corp.

2012 and 2013 Various Internal and Confidential memos, documents and digital data by Detour Gold.

**R Aubertin (2011)** Report of Regional Exploration Activities on MMI Target T18 and Lower Detour Sector, Detour Lake Property,” Toronto, Ontario

**J Oliver, J Ayer, B Dube, R Aubertin, M Burson, G Panneton, R Friedmen, and M Hamilton (2012).** Structure Stratigraphy and Alteration Characteristics of Gold Mineralization at Detour Lake Deposit, Ontario, Canada. In Exploration and Mining Journal Volume 20 p 1-30. Copyright (2012) Canadian Institute of Mining Metallurgy and Petroleum.

**S. Marmont (1986).** The geological setting of the Detour Lake gold mine, Ontario, Canada, in MacDonald, A.J., ed, Gold' 86: Willowdale, Ontario, KonsultInternat.inc., pp.81-95.

**R. H. McMillan (1999).** Gold potential of the Aurora Property. Internal Report for Prism Resources.32p.LRB-Detour Final Report- Pt-2 30062011 71.

**T. N.McKillen (2004).** Technical Report on the Aurora Property in Detour Lake Area, Porcupine Mining Division, Ontario. Internal Report for Conquest Resources Ltd. 25p. + appendices.

**C. Hartley (2013).** “Report of Regional Exploration Activities on Lower Detour Lake Area Properties, Year 2012”. Unpublished internal Assessment report for Detour Gold Corporation, Toronto, Ontario.

## 10 CERTIFICATE OF AUTHOR

Charles Hartley, P Geo

To Accompany the Report entitled “**Report of Regional Exploration Activities on Lower Detour Sector, Detour Lake Property (ON), Year 2012 & 2013**”, November 2014.

I, Charles Hartley, P Geo., certify that:

1. I am consultant Professional Geoscientist living in Timmins, Ontario;
2. I am a graduate from St. Francis Xavier University in 1977, BSc Geology and University College of Cape Breton in 1994, BSc Tech in Environmental Studies;
3. I am a registered member in good standing of Association of Professional Geoscientists of Ontario, the Prospectors and Developers Association of Canada and the Canadian Institute of Mining, Metallurgy and Petroleum;
4. I have worked as a Professional Geoscientist continuously since my graduation from university except to continue my studies from 1992 to 1994;
5. I have participated in the preparation of all this technical report; and
6. I was assistant Exploration Manager at Detour Lake project from January 2011 to July 2013.

**APPENDIX A: DETOUR LAKE GEOLOGY**

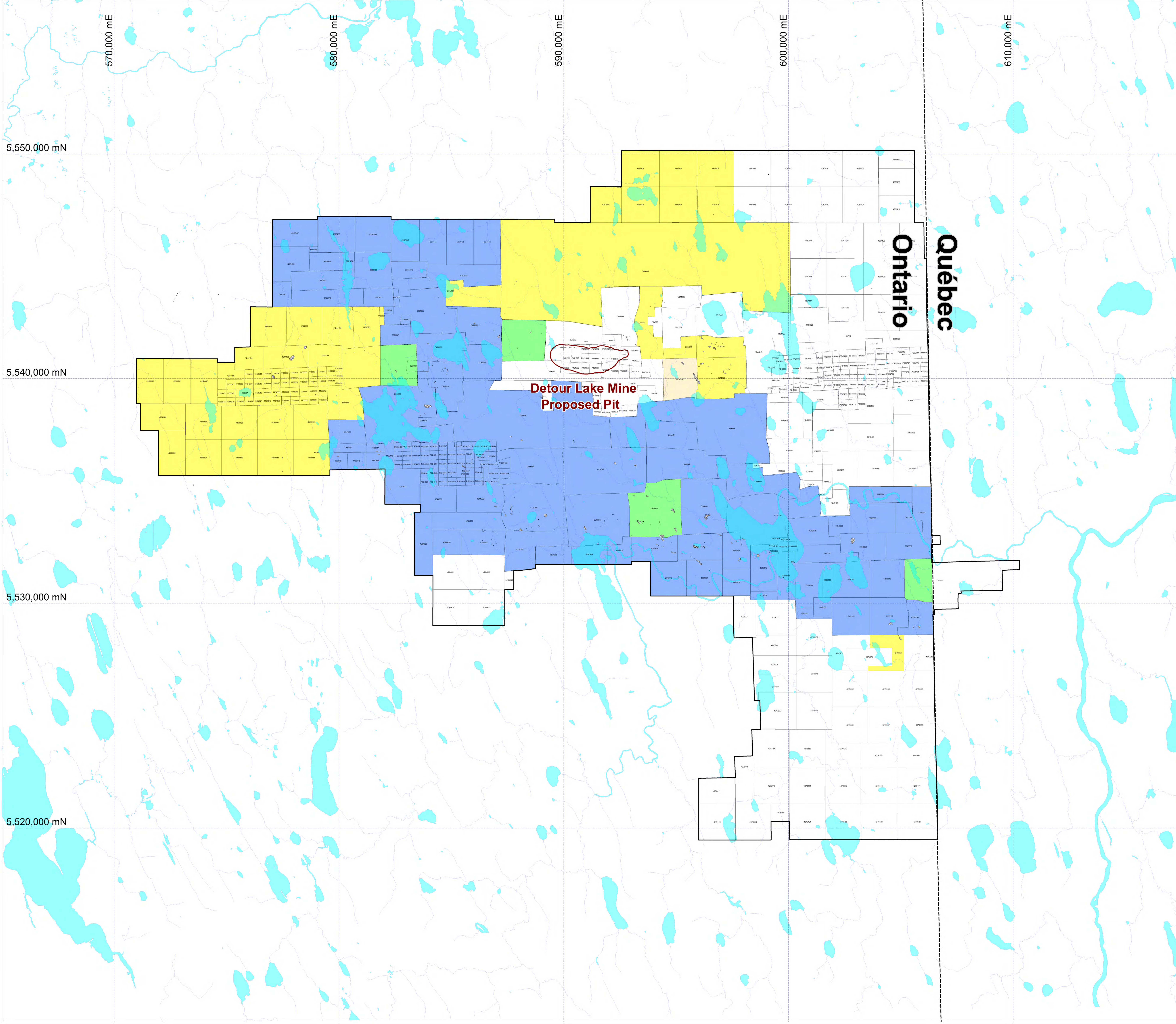


**APPENDIX B: CLAIM MAP**

## **APPENDIX C: GEOLOGICAL MAPPING**

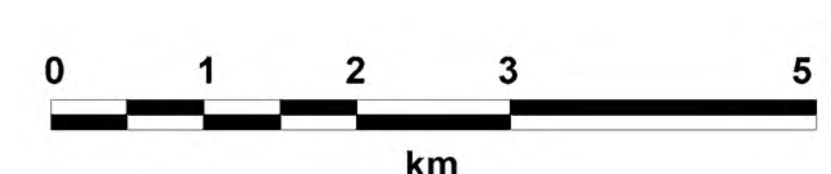
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- Maps – Outcrop locations with lithological and structural stations, grab and litho-geochemical sampling at 1:5000 scale
- Maps – Detailed maps with lithological, structural data and channel samples at 1:50, 1:100 and 1:150 scale. Results – Geochemical grab and channel samples





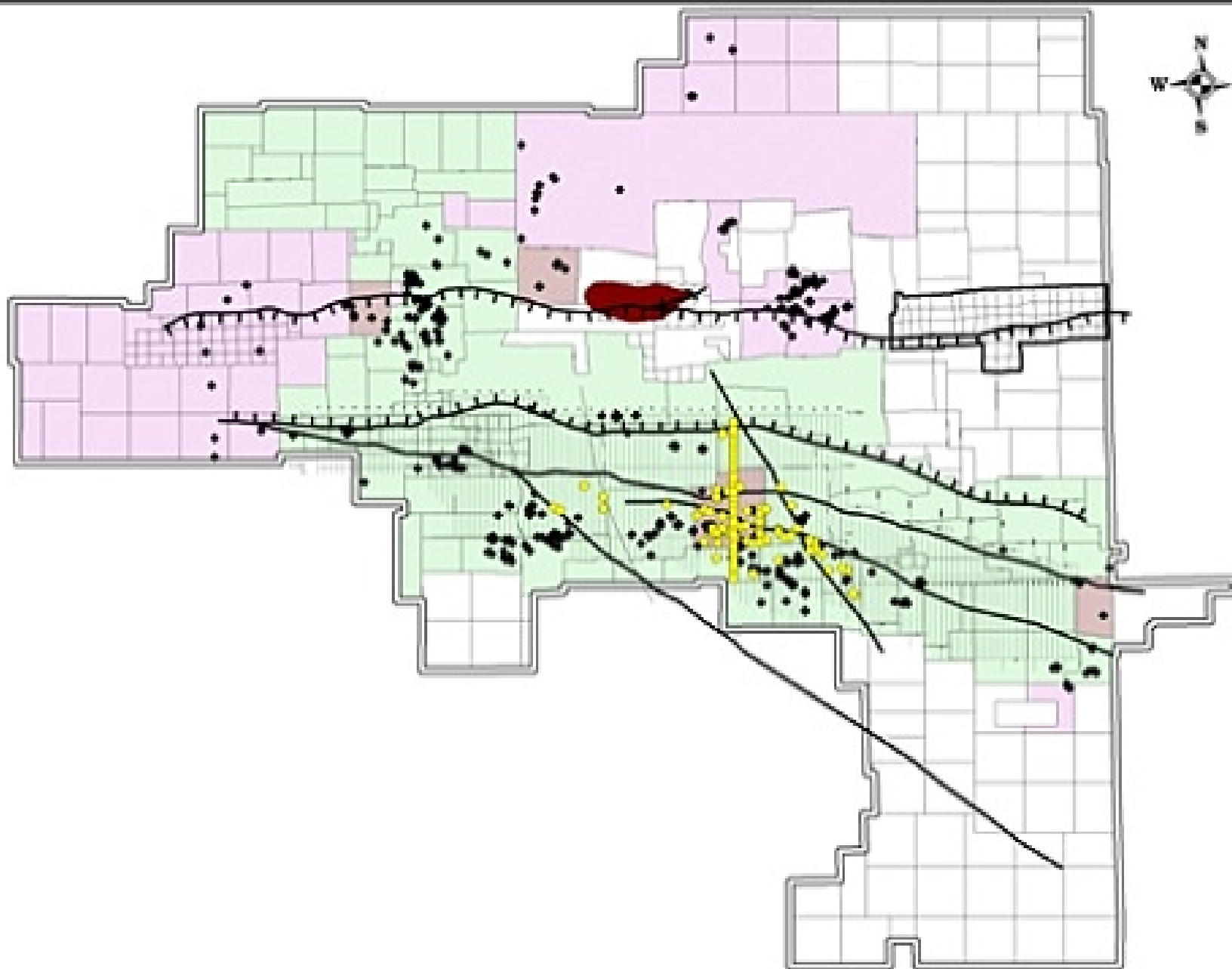
**LEGEND**

- 2012 & 2013 Outcrop Locations
- 2012 Regional Mapping
- 2013 Regional Mapping
- 2012 & 2013 Regional Mapping



**Detour Lake Property**  
**2012 & 2013 Regional Exploration**  
**Distribution of Mapping**  
 Author: April Coombs UTM Zone 17 (NAD 83)  
 Date: Dec. 11, 2014 Scale: 1:25,000





- 2012 Regional Mapping
- 2013 Regional Mapping
- 2012-2013 Regional Mapping
- 2012-2013 Outcrop Stations
- 2012-2013 DGC Drill-Holes
- Hopper Lake - Lower Detour Cut Grid



**Detour Gold Corp.**

Detour Lake Property

2012-13 Regional Exploration  
Distribution of Work

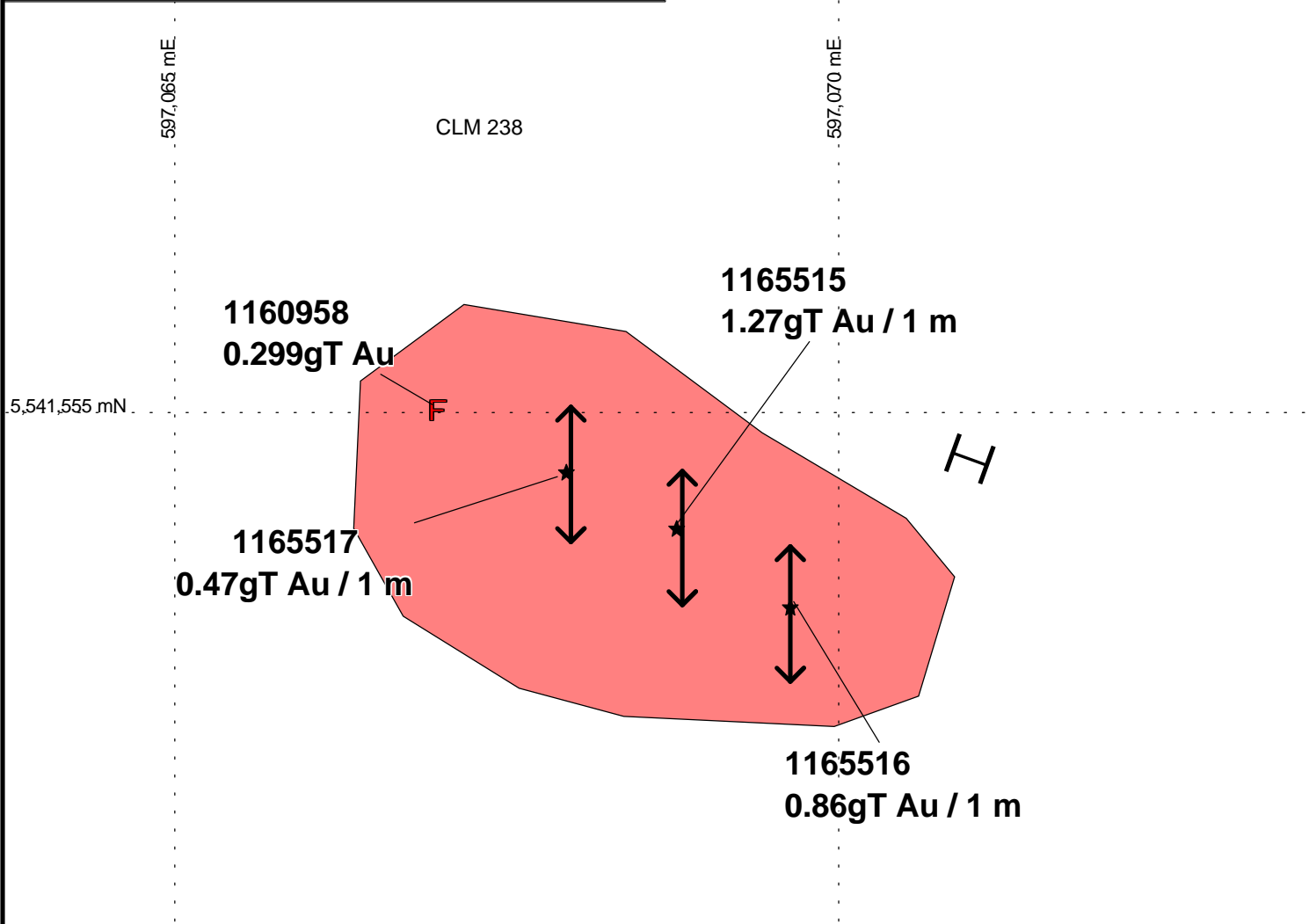
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Date: May, 2014  
 Scale: 1:200,000

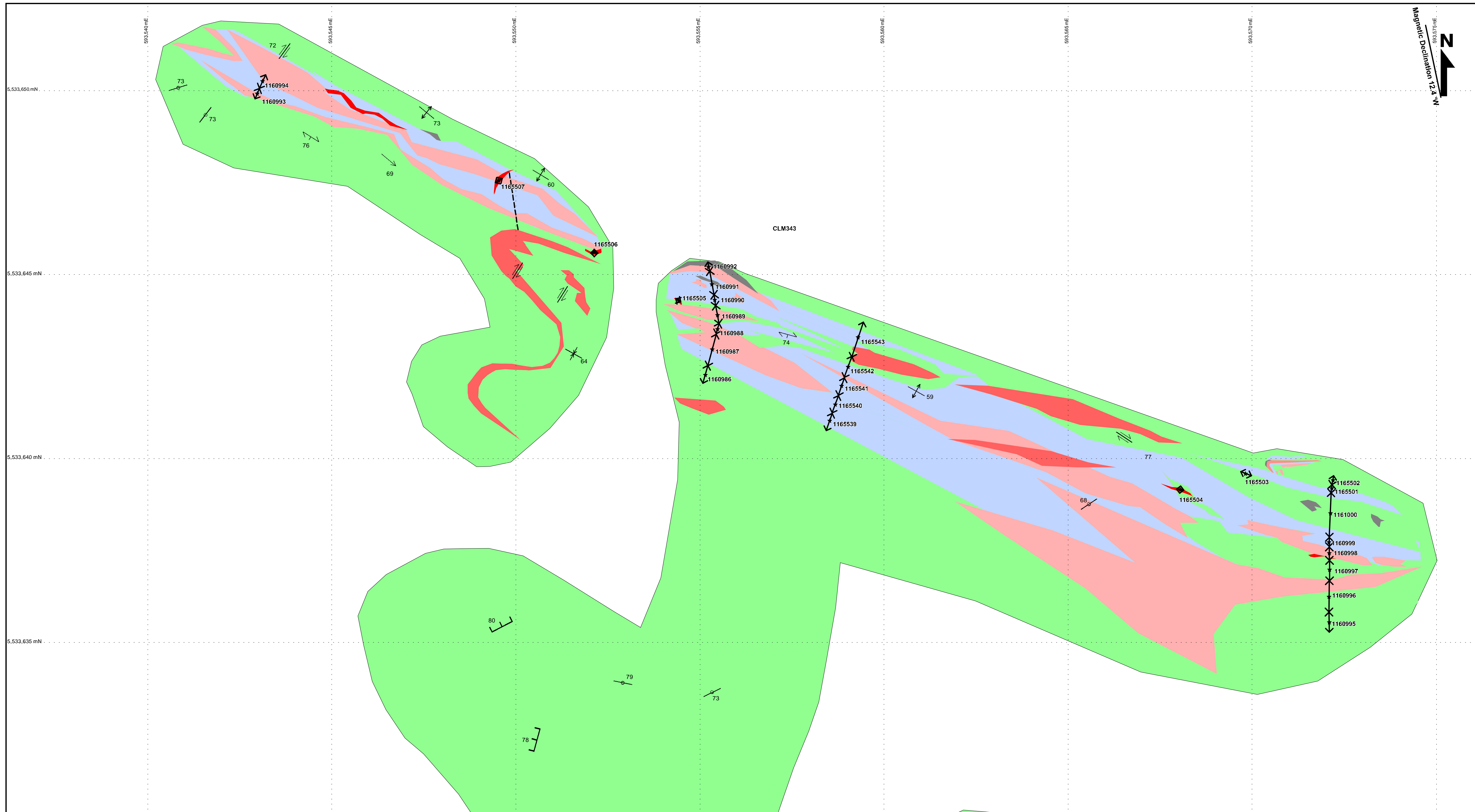
<b>Detour Lake Project Tailings Management Area</b>	
Date: 3/16/2014	<b>2013 MAPPING AND CHANNEL SAMPLES</b>
Author: Adree DeLazzer	
Disposition: CLM238	
Scale: 1: 50	Projection: UTM Zone 17 (NAD 83)

0                      1.5                      3  
metres

Magnetic Declination 2° 4' W



<p><b>Intrusives</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #f08080; border: 1px solid black; margin-right: 5px;"></span> Felsic Intrusive - FI</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #ff0000; border: 1px solid black; margin-right: 5px;"></span> Intermediate Feldspar Porphyry IFP</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #ffcc00; border: 1px solid black; margin-right: 5px;"></span> Intermediate Intrusive - II</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #add8e6; border: 1px solid black; margin-right: 5px;"></span> Mafic Intrusive - MI, GB</li> </ul>	<p><b>Deloro Group</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #ffff00; border: 1px solid black; margin-right: 5px;"></span> Felsic MetaVolcanic - FV</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #90ee90; border: 1px solid black; margin-right: 5px;"></span> Mafic-Intermediate Volcanic (MV) MVp - pillow flow, MVm - massive flow</li> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #800080; border: 1px solid black; margin-right: 5px;"></span> Ultramafic-Mafic MetaVolcanic - U</li> </ul> <p><b>Deformation</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 10px; background-color: #808080; border: 1px solid black; margin-right: 5px;"></span> Silicified Shear Zone - SIL</li> </ul>	<ul style="list-style-type: none"> <li> Quartz Veins</li> <li> Bedding / Contact (S0)</li> <li> Foliation (S1)</li> <li> Sheared Zone</li> <li> Lineation</li> <li> 2013 Grab Samples</li> </ul>	<ul style="list-style-type: none"> <li> Dextral Fault</li> <li> Anticline with Plunge</li> <li> Quartz Vein</li> <li> Fracture</li> <li> Channel Sample with Sample ID</li> </ul>
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**Intrusives**

- Felsic Intrusive - FI
- Intermediate Feldspar Porphyry IFP
- Intermediate Intrusive - II
- Mafic Intrusive - MI, GB

**Deloro Group**

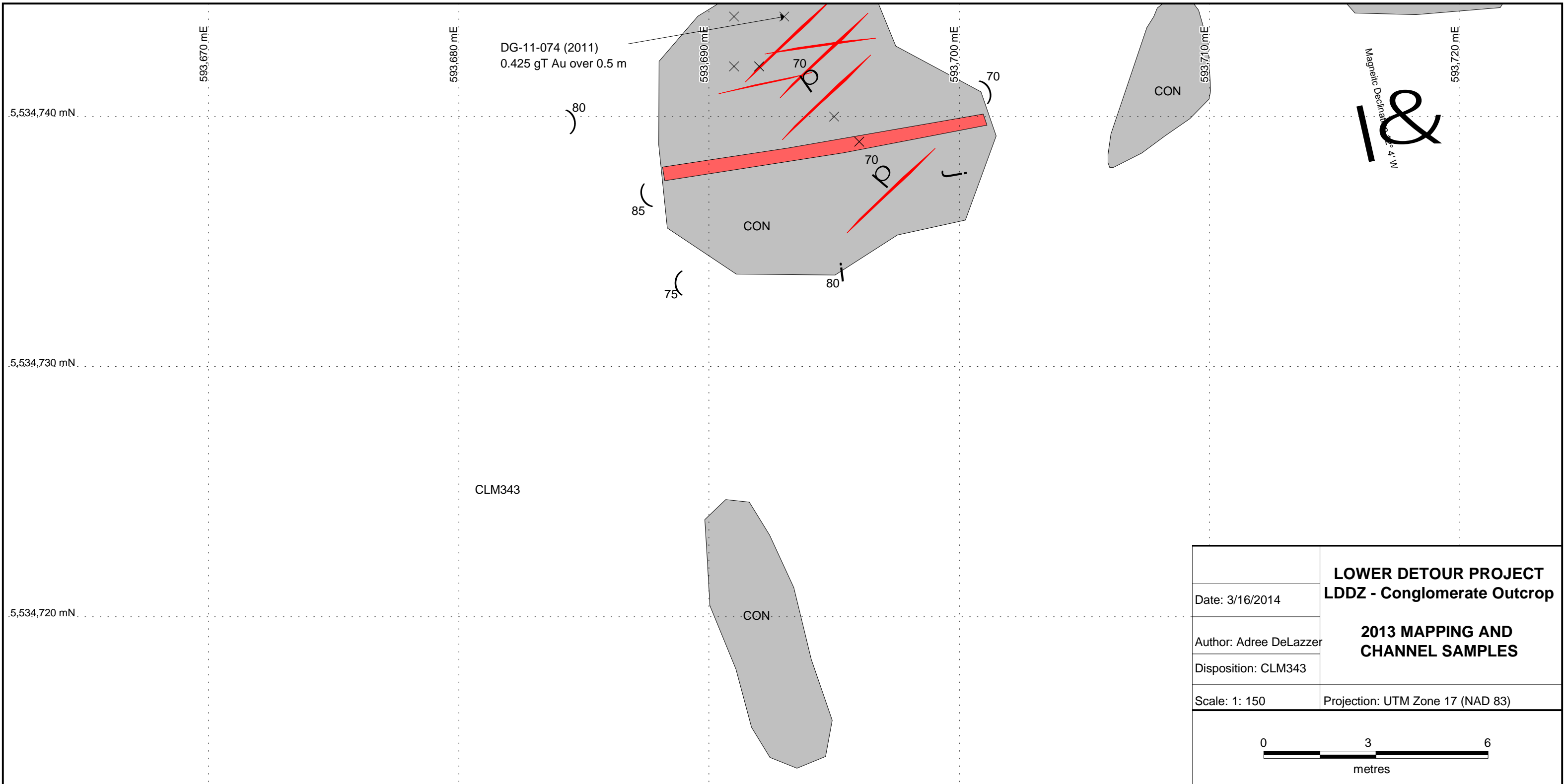
- Felsic MetaVolcanic - FV
- Mafic-Intermediate Volcanic (MV)  
MVp - pillow flow, MVm - massive flow
- Ultramafic-Mafic MetaVolcanic - U

**Deformation**

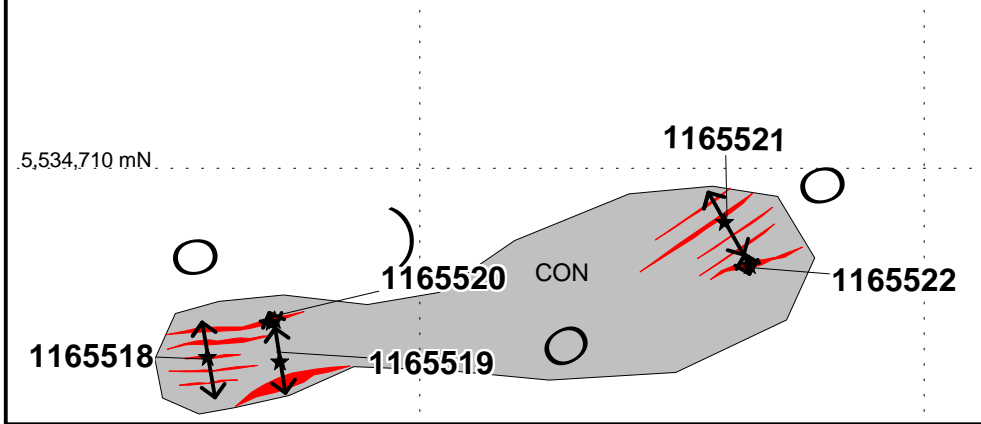
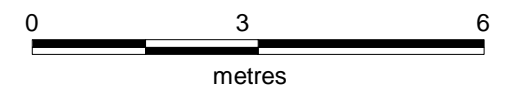
- Silicified Shear Zone - SIL

- Quartz Veins
- Bedding / Contact (S0)
- Foliation (S1)
- Sheared Zone
- Lineation
- Dextral Fault
- Anticline with Plunge
- Quartz Vein
- Fracture
- Channel Sample with Sample ID

<b>DETOUR GOLD.</b>	
Date: 3/16/2014 Author: Adree DeLazzer Scale: 1:50	<b>LOWER DETOUR PROJECT 58 ZONE OUTCROP CLM 343</b>  <b>2013 MAPPING AND CHANNEL SAMPLES</b>  Projection: UTM Zone 17 (NAD 83)



	<b>LOWER DETOUR PROJECT LDDZ - Conglomerate Outcrop</b>
Date: 3/16/2014	<b>2013 MAPPING AND CHANNEL SAMPLES</b>
Author: Adree DeLazzer	
Disposition: CLM343	
Scale: 1: 150	Projection: UTM Zone 17 (NAD 83)



Intrusives	Deloro Group	Deformation	Structural Features	Sampling
Felsic Intrusive - FI	Felsic MetaVolcanic - FV	Silicified Shear Zone - SIL	Quartz Veins	Dextral Fault
Intermediate Feldspar Porphyry IFP	Mafic-Intermediate Volcanic (MV) MVp - pillow flow, MVm - massive flow		Bedding / Contact (S0)	Anticline with Plunge
Intermediate Intrusive - II	Ultramafic-Mafic MetaVolcanic - U		Foliation (S1)	Quartz Vein
Mafic Intrusive - MI, GB			Sheared Zone	Fracture
			Lincation	Channel Sample with Sample ID
			2011 Grab / Channel Sample	

**Detour Gold Corp.**

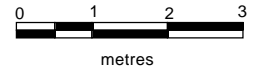
**Detour Lake Property**

**Channel Samples  
Claim 1249147**

DATUM: NAD 83 Zn17

Date: April 30, 2014

Scale: 1:100



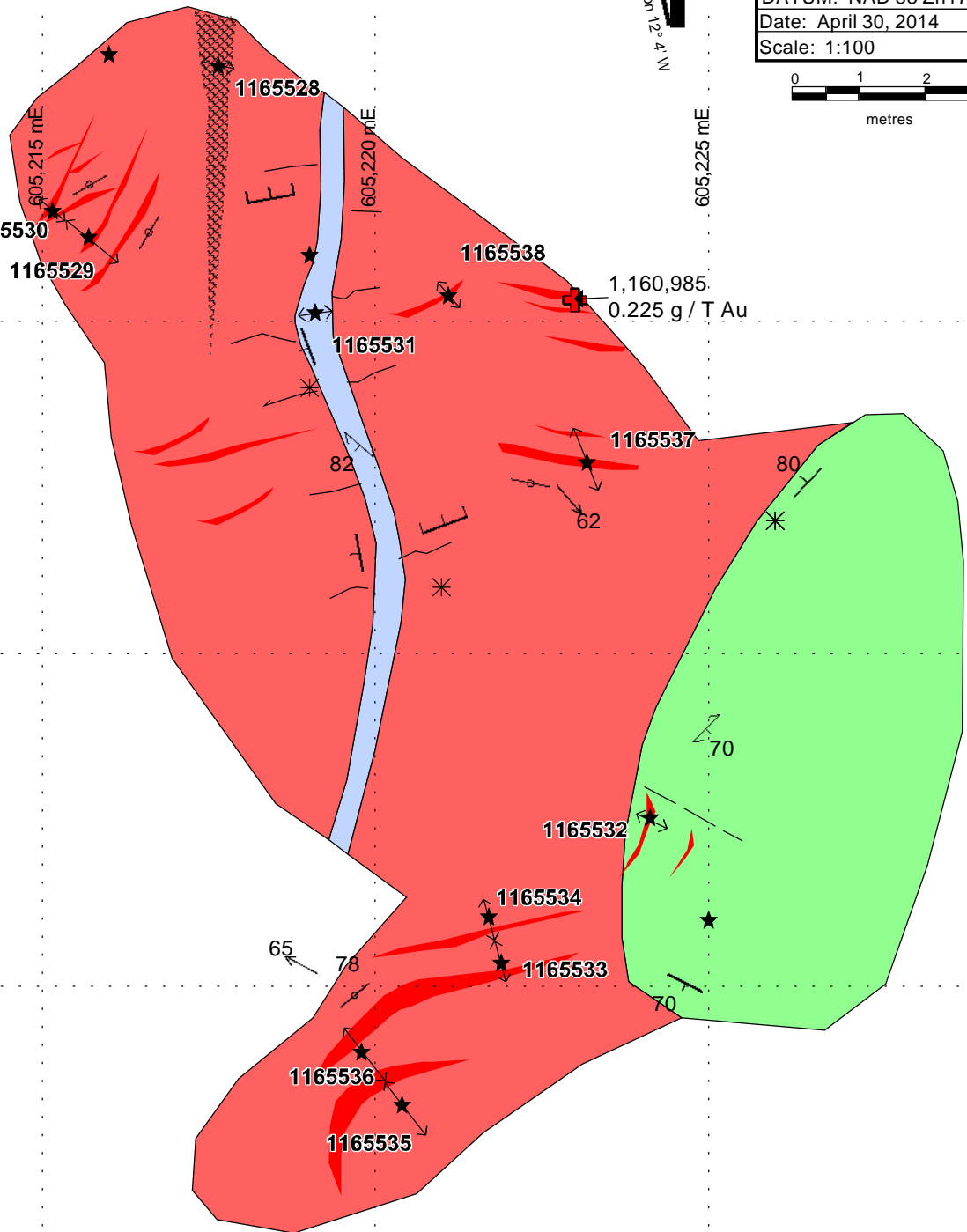
5,531,885 mN

5,531,880 mN

5,531,875 mN

1249147

5,531,870 mN



**Intrusives**

- Felsic Intrusive - FI
- Intermediate Feldspar Porphyry - IFP
- Intermediate Intrusive - II
- Mafic Intrusive - MI, GB

**Deloro Group**

- Felsic MetaVolcanic - FV
- Mafic-Intermediate Volcanic (MV)  
MVp - pillow flow, MVm - massive flow
- Ultramafic-Mafic MetaVolcanic - U

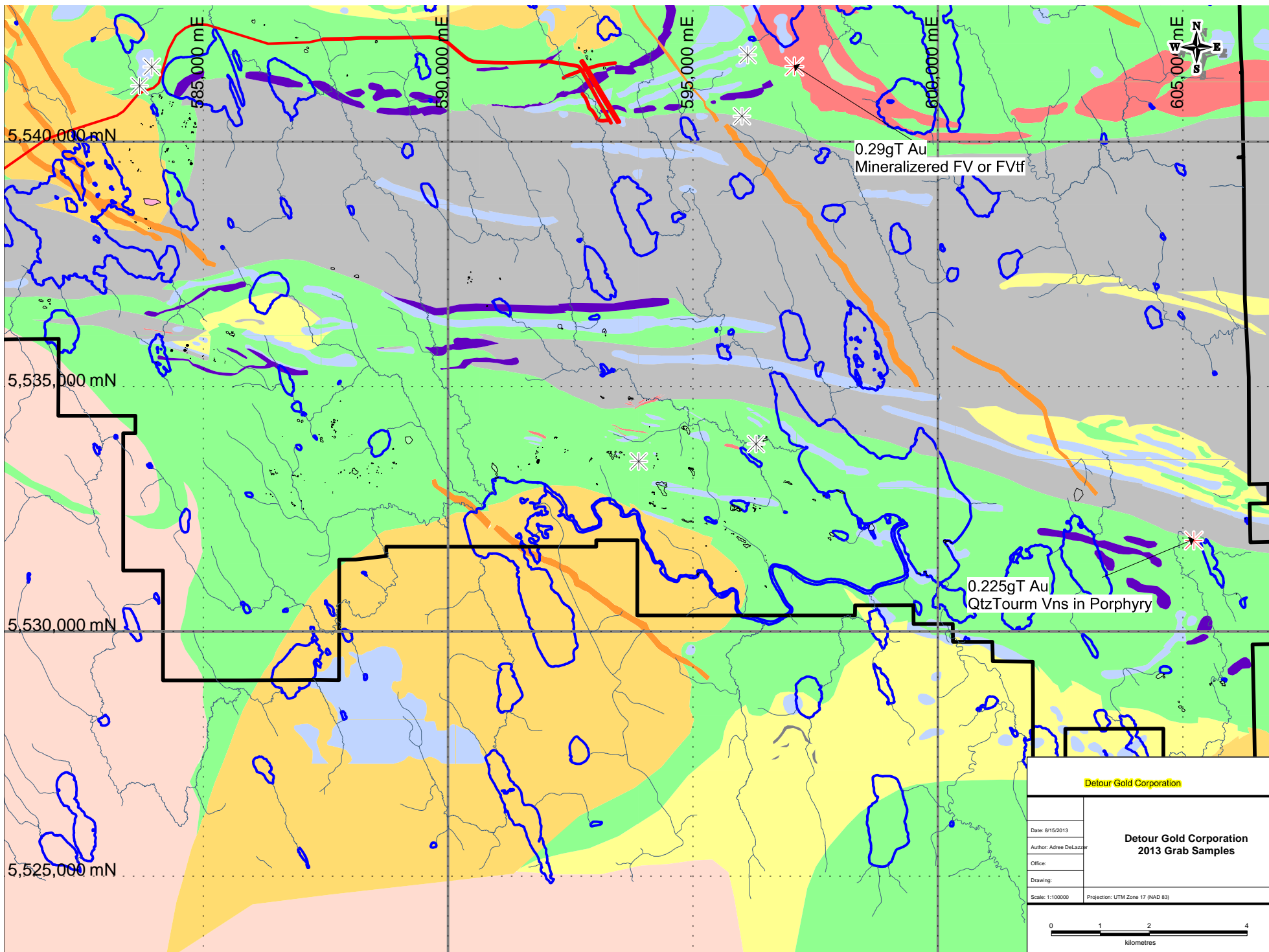
**Deformation**

- Breccia Zone  
Quartz - Tourmaline

- Quartz - Tourmaline Veins
- Bedding / Contact (S0)
- Foliation (S1)
- Sheared Zone
- Lineation

- Grab Sample - 2013
- Anticline with Plunge
- Quartz Vein
- Fracture
- Channel Sample with Sample ID





5,540,000 mN

5,535,000 mN

5,530,000 mN

5,525,000 mN

585,000 mE

590,000 mE

595,000 mE

600,000 mE

605,000 mE

0.29gT Au  
Mineralized FV or FVtf

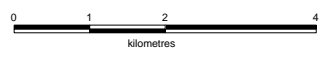
0.225gT Au  
QtzTourm Vns in Porphyry

**Detour Gold Corporation**

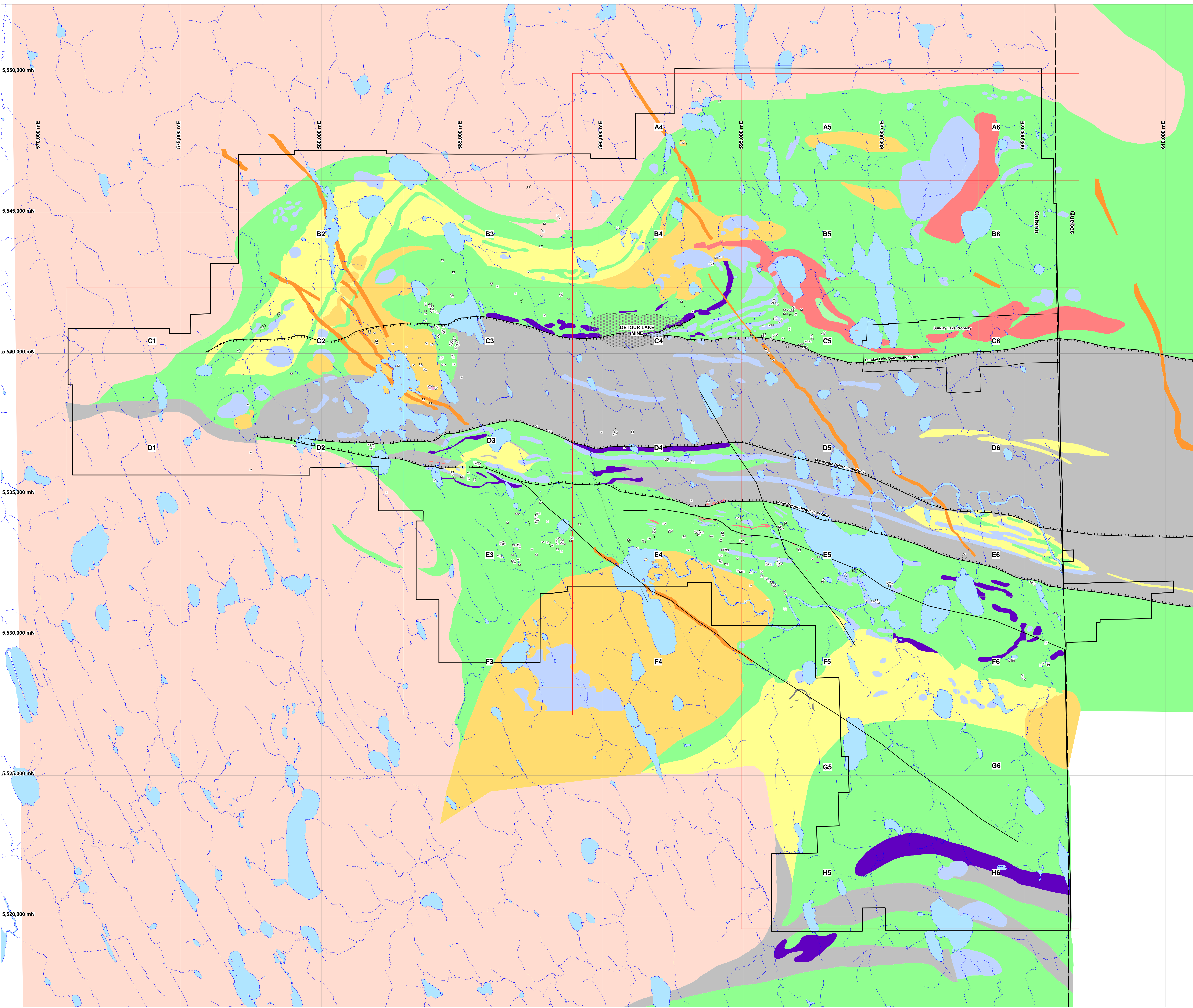
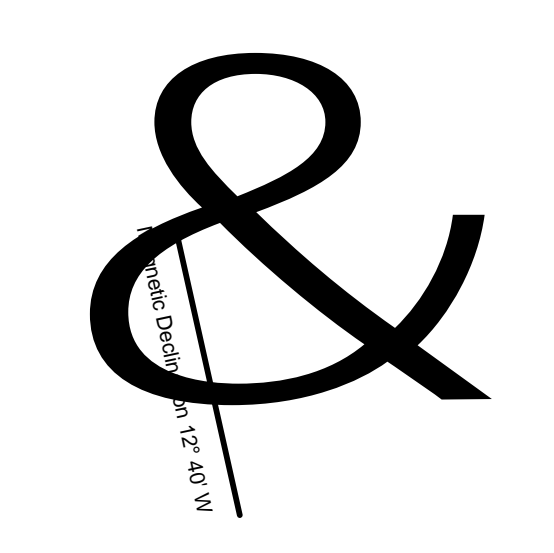
Date: 6/15/2013  
 Author: Adree DeLazzer  
 Office:  
 Drawing:

**Detour Gold Corporation  
 2013 Grab Samples**

Scale: 1:100000 Projection: UTM Zone 17 (NAD 83)







5,550,000 mN  
5,545,000 mN  
5,540,000 mN  
5,535,000 mN  
5,530,000 mN  
5,525,000 mN  
5,520,000 mN

575,000 mE 580,000 mE 585,000 mE 590,000 mE 595,000 mE 600,000 mE 605,000 mE 610,000 mE

Ontario

Quebec

DETOUR LAKE MINE

Sunday Lake Property

5,520,000 mN

<b>Intrusives</b>	<b>Detour Group</b>
Red: Felsic Intrusive - FI	Yellow: Felsic Metavolcanics - FV
Orange: Intermediate Intrusive - II	Light Green: Meta-Intermediate Volcanics (MIV)
Blue: Mafic Intrusive - MI, GB	Dark Green: Mafic Intrusive - MI, GB
	Purple: Ultramafic/Mafic Metavolcanics - U
	Grey: Iron Formations - IF
<b>Cavoptina Assemblage</b>	
Light Grey: Classic Sediments - GWE, Ag, COV	Pink: Basement Gneiss - GN
Black: Property Boundary	M: Outcrop Stations
Red: Map Books	Blue: Structures
	Blue: Lake / River

**DETOUR GOLD.**

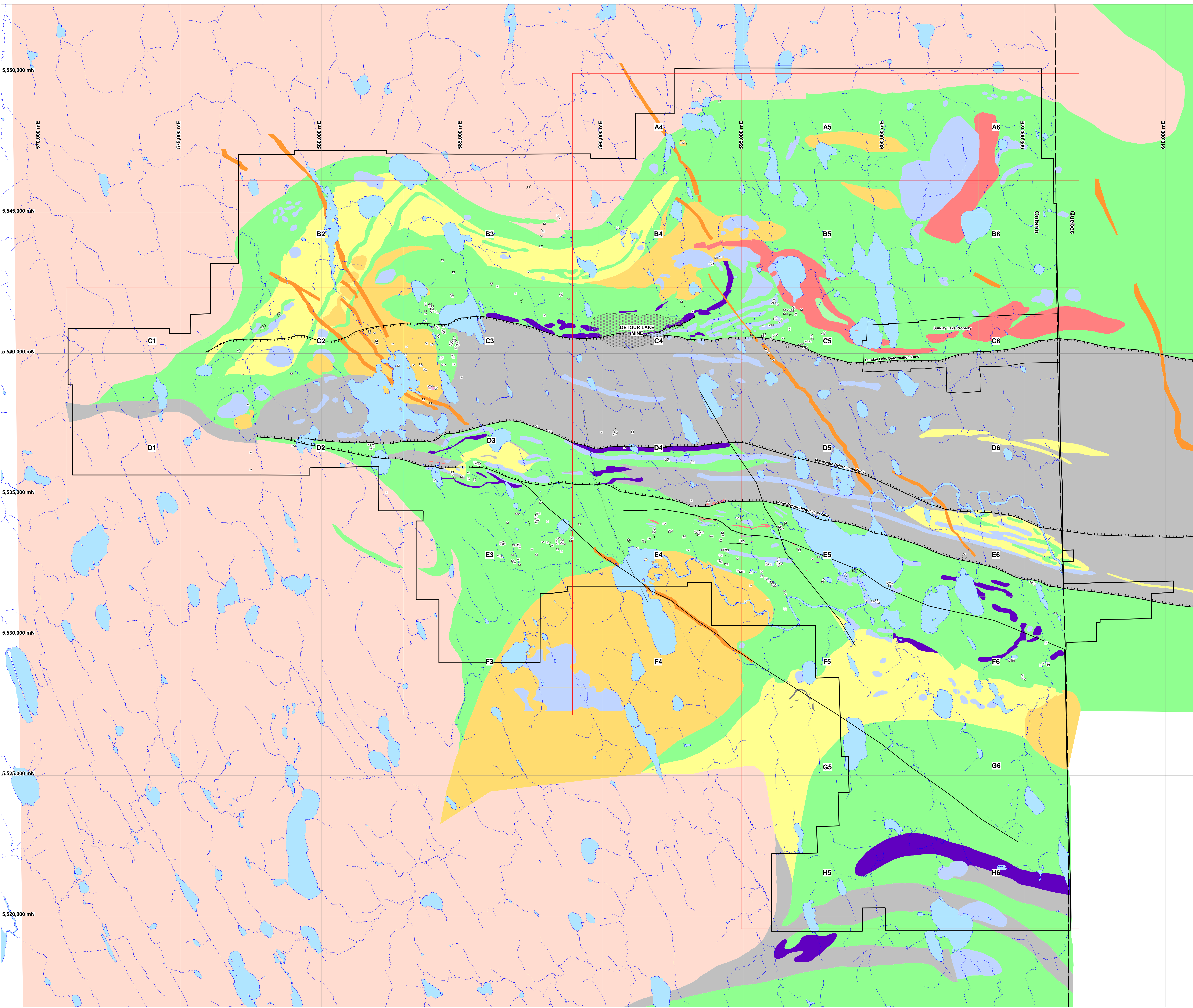
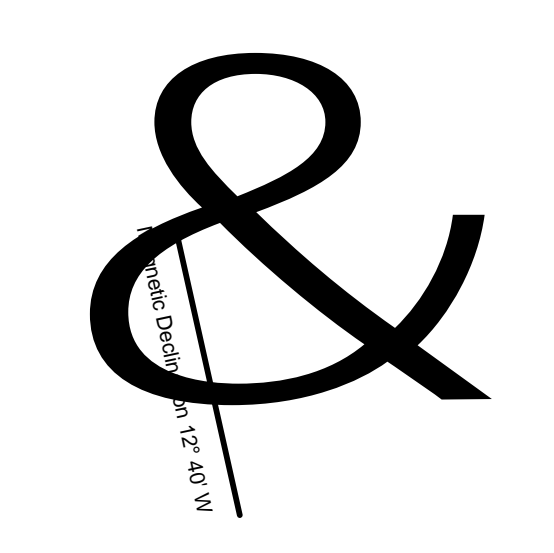
**Detour Lake Property Geology Map**

0 2 km

Author: Adree Delazzer Date: April 2014

Scale: 1:40,000 Datum: NAD83Zn17





5,550,000 mN  
5,545,000 mN  
5,540,000 mN  
5,535,000 mN  
5,530,000 mN  
5,525,000 mN  
5,520,000 mN

575,000 mE 580,000 mE 585,000 mE 590,000 mE 595,000 mE 600,000 mE 605,000 mE 610,000 mE

<b>Intrusives</b>	<b>Detour Group</b>
Red: Felsic Intrusive - FI	Yellow: Felsic Metavolcanics - FV
Orange: Intermediate Intrusive - II	Green: Meta-Intermediate Volcanics (MIV)
Blue: Mafic Intrusive - MI, GB	Light Green: MIV (Yellow Flow, MIV, massive flow)
	Dark Green: Ultramafic/Mafic Metavolcanic - U
	Grey: Iron Formation - IF
<b>Cavoptina Assemblage</b>	Pink: Basement Gneiss - GN
Light Grey: Classic Sediments - GWE, Ag, COV	
Black outline: Property Boundary	M: Outcrop Stations
Red outline: Map Books	Blue line: Structures
	Blue line: Lake / River

**DETOUR GOLD.**

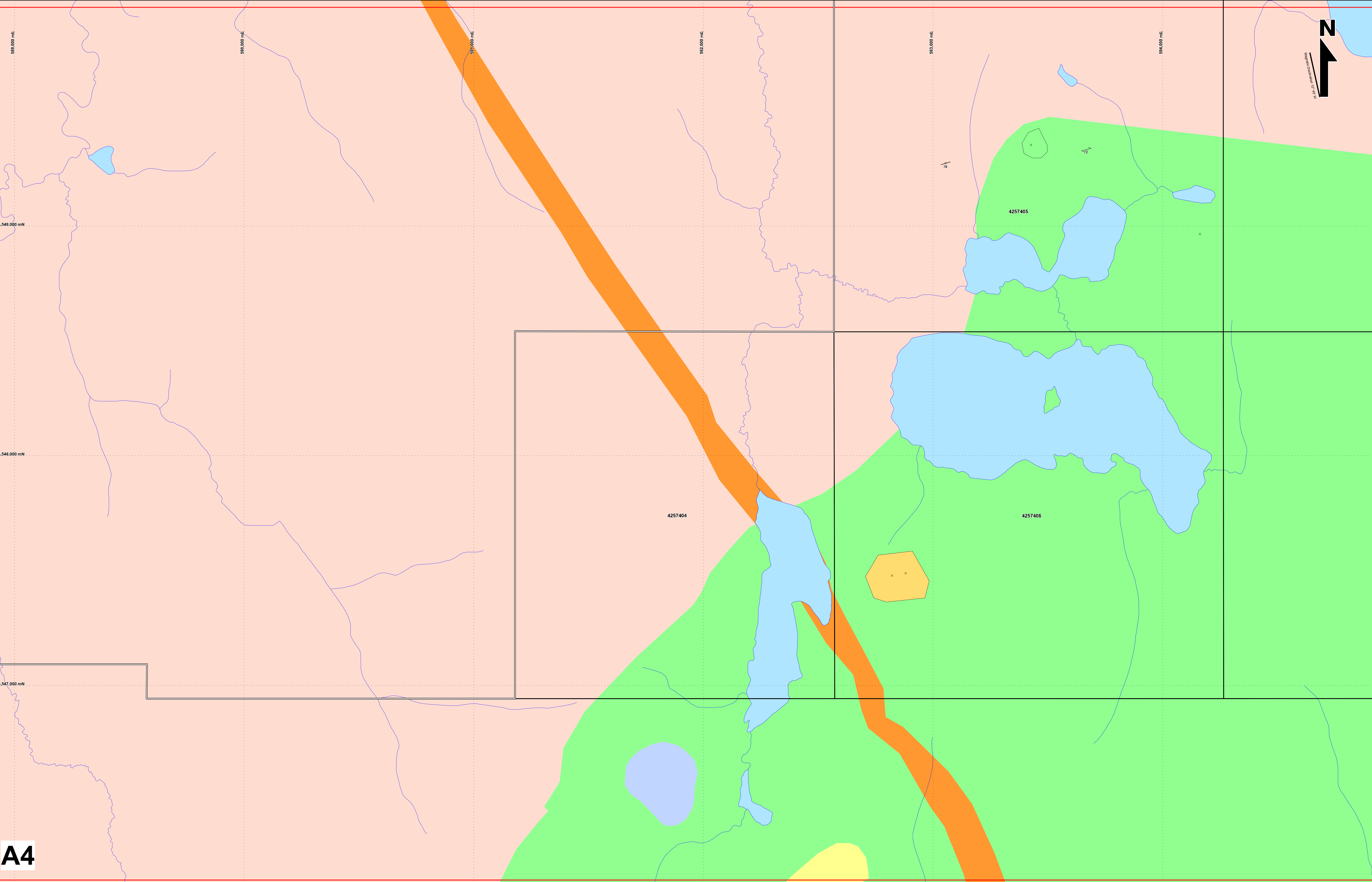
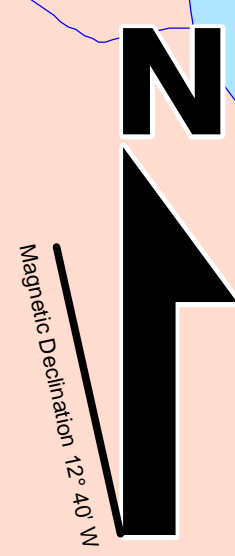
**Detour Lake Property  
Geology Map**

0 2 km

Author: Adree Delazzer Date: April 2014

Scale: 1:40,000 Datum: NAD83Zn17





A4

- HoleID**
- >1 Au gT/m
  - 0.5 to 1 Au gT/m
  - + 2012-2013 Grab Samples
  - Area of 2013 Channel Samples
  - > 0.1 Au gTChannel Grab Sample

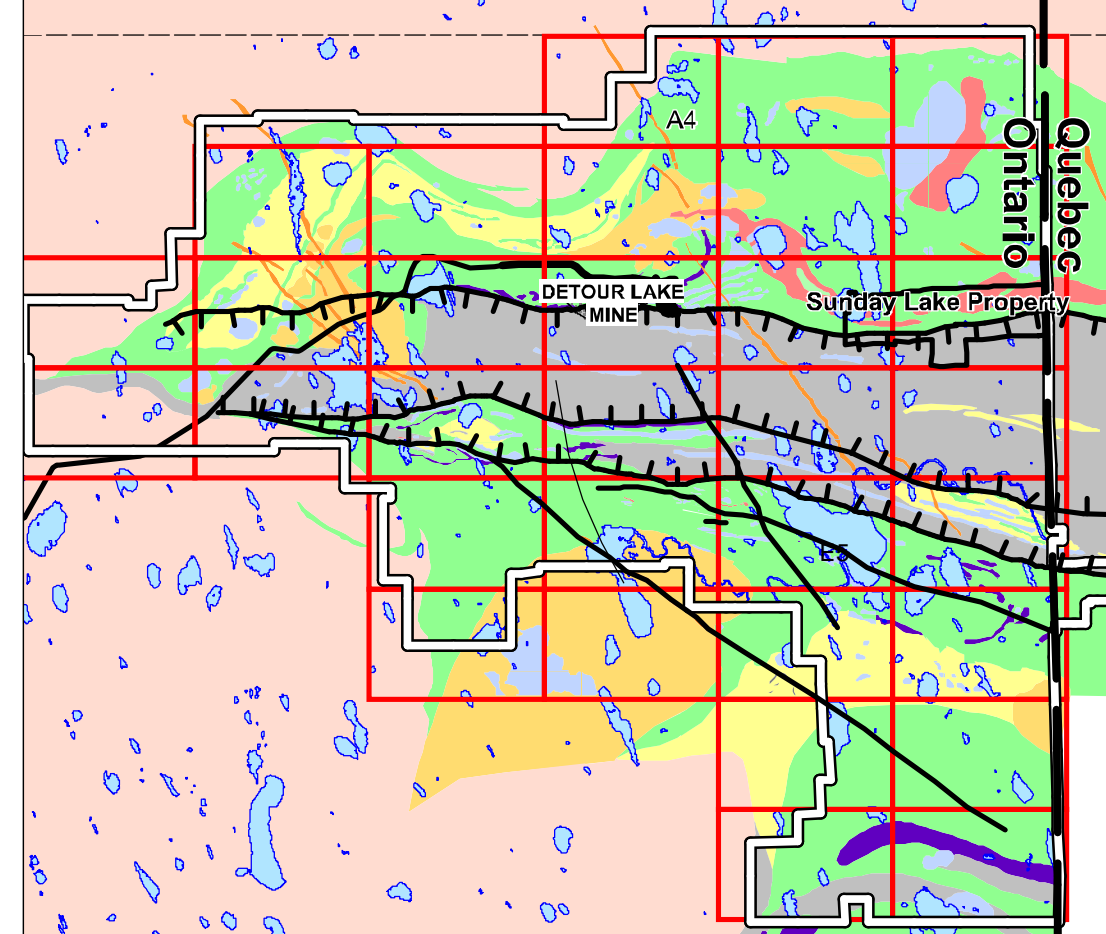
- Intrusives**
- Felsic Intrusive - FI
  - Intermediate Intrusive - II
  - Mafic Intrusive - MI, GB
- Caopatina Assemblage**
- Clastic Sediments GWE, Arg, CON

- Deloro Group**
- Felsic MetaVolcanic - FV
  - Mafic-Intermediate Volcanic (MV)  
MVp - pillow flow, MVm - massive flow
  - Ultramafic-Mafic MetaVolcanic - U
  - Iron Formation - IF
- Opatica**
- Basement Gneiss - GN

- ▬▬▬ Deformation Zone
- ▬▬▬ Faults
- ▬ Bedding / Contact (S0)
- ↔ Foliation (S1)
- ↔ Foliation (S2)
- ↔ Foliation (S3)
- ↔ Polarity
- ↔ Quartz Vein

- 〰 Sheared Zone
- ← Lineation
- ⇐ Sinistral Fault
- ⇒ Dextral Fault
- ↖ Minor Fold with dip
- ↙ Minor Fold with plunge
- ⤴ Anticline with Plunge

- ▬ Fracture
- Property Boudary
- Claims / Dispostions
- ▬ Lake / River
- × Outcrop Stations



Map Sheet A4

**DETOUR GOLD.**

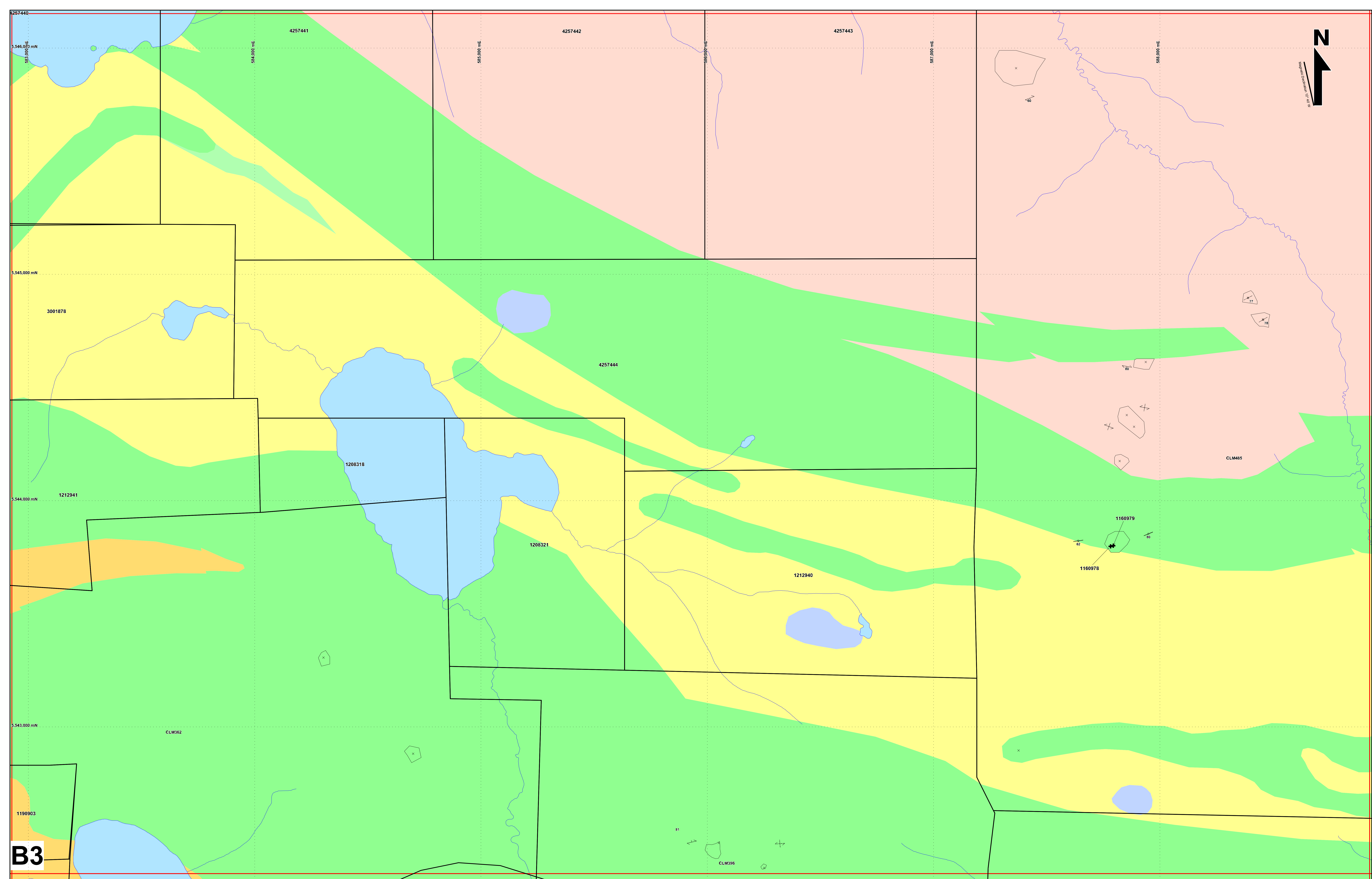
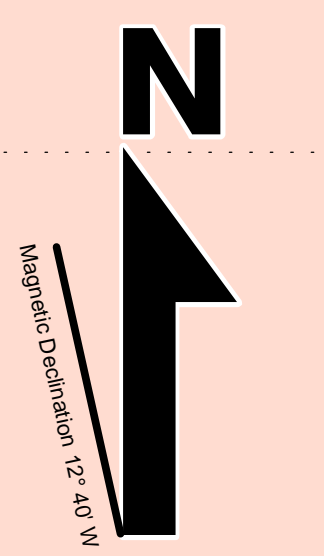
**Detour Lake Property Geology Map**

0 2.5 km

Author: Adree Delazzer Date: April 2014

Scale: 1:5,000 Datum: NAD83Zn17





**B3**

- HoleID**
- >1 Au gT/m
  - 0.5 to 1 Au gT/m
  - + 2012-2013 Grab Samples
  - Area of 2013 Channel Samples
  - > 0.1 Au gTChannel Grab Sample

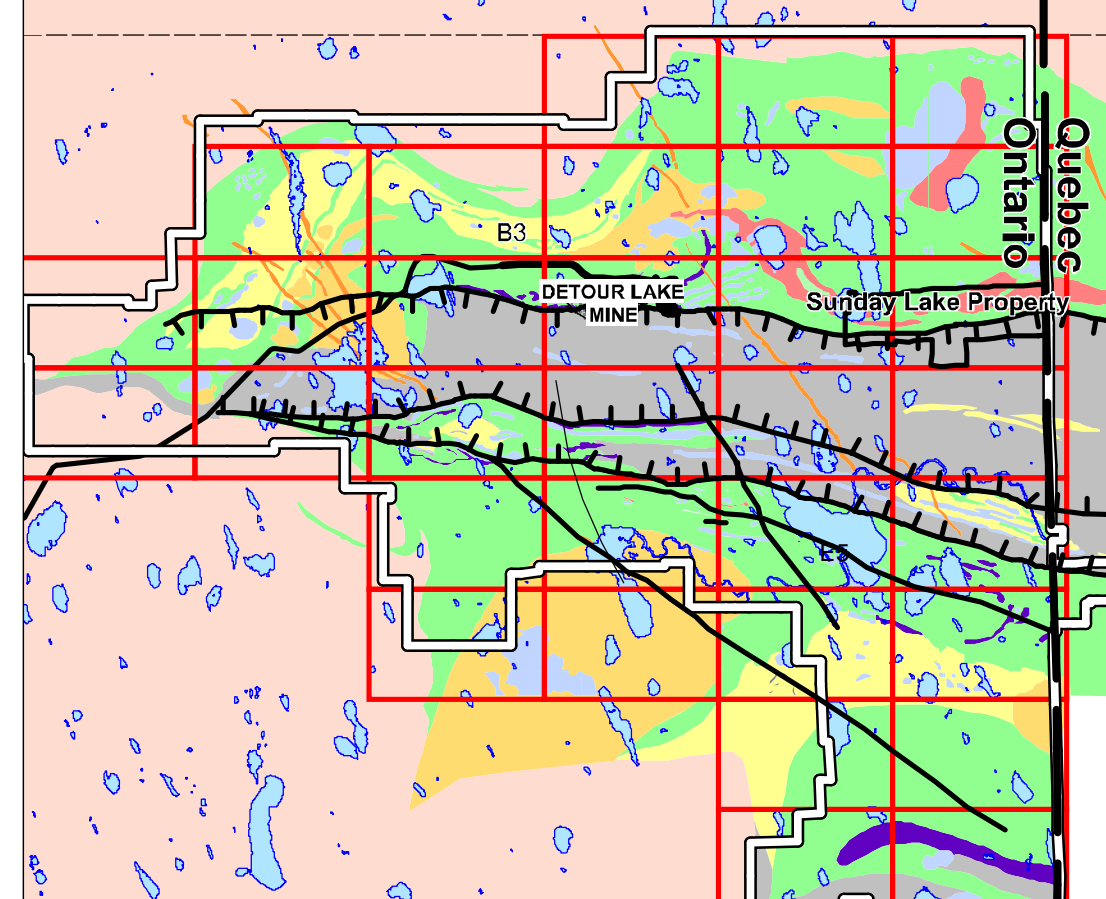
- Intrusives**
- Felsic Intrusive - FI
  - Intermediate Intrusive - II
  - Mafic Intrusive - MI, GB
- Caopatina Assemblage**
- Clastic Sediments GWE, Arg, CON

- Deloro Group**
- Felsic MetaVolcanic - FV
  - Mafic-Intermediate Volcanic (MV) MVp - pillow flow, MVm - massive flow
  - Ultramafic-Mafic MetaVolcanic - U
  - Iron Formation - IF
- Opatica**
- Basement Gneiss - GN

- Deformation Zone
- Faults
- Bedding / Contact (S0)
- Foliation (S1)
- Foliation (S2)
- Foliation (S3)
- Polarity
- Quartz Vein

- Sheared Zone
- ← Lineation
- ⇐ Sinistral Fault
- ⇐ Dextral Fault
- ↶ Minor Fold with dip
- ↷ Minor Fold with plunge
- ↕ Anticline with Plunge

- Fracture
- Property Boudary
- Claims / Dispostions
- Lake / River
- × Outcrop Stations



Map Sheet B3

**DETOUR GOLD.**

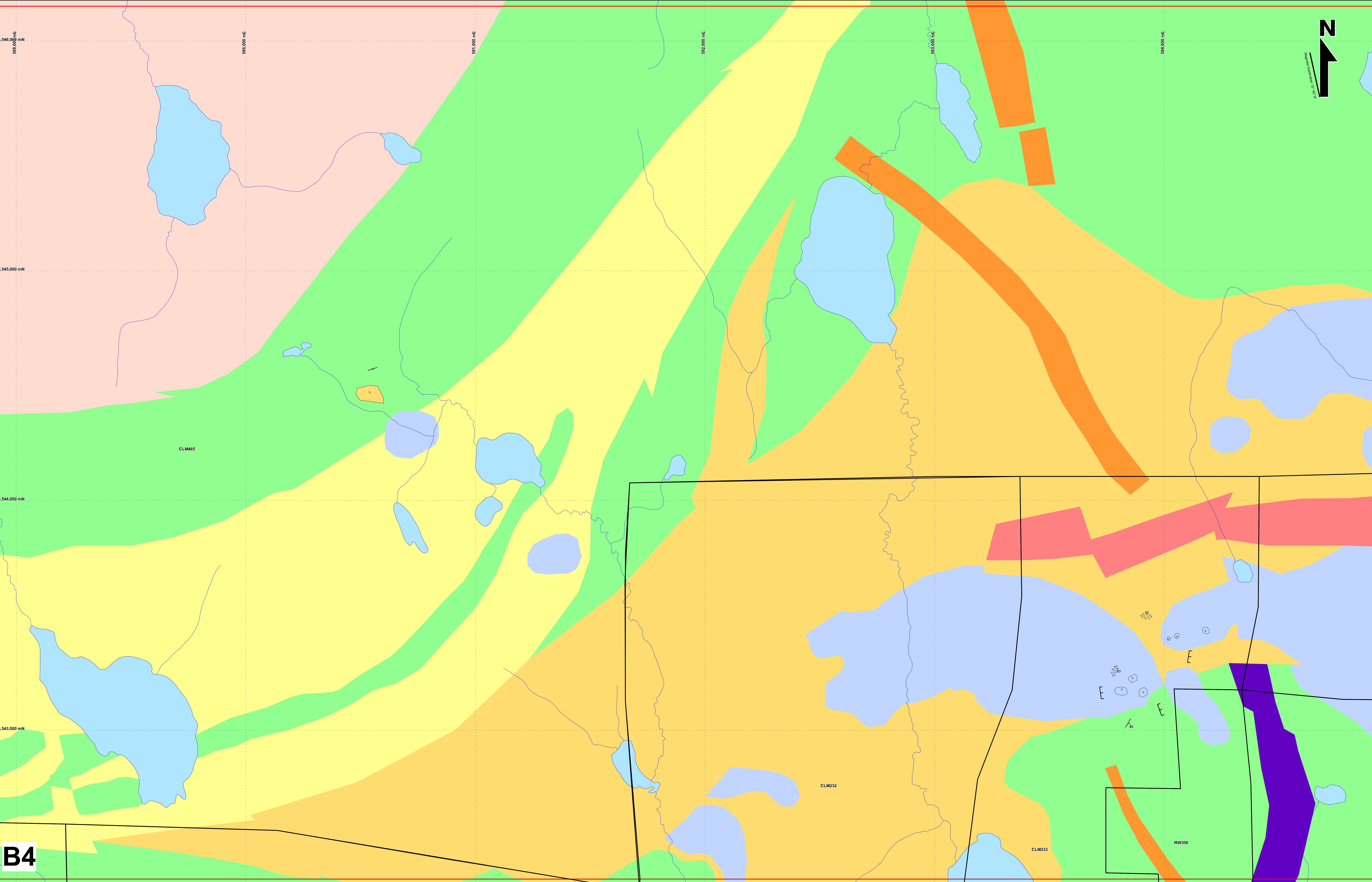
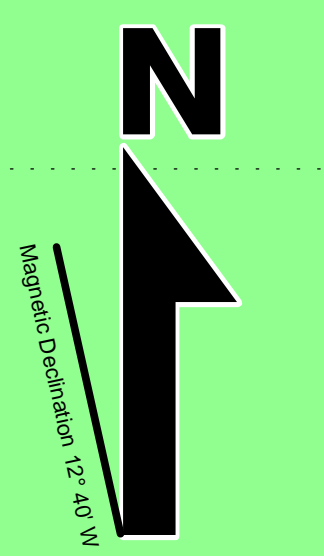
**Detour Lake Property Geology Map**

0 2.5 km

Author: Adree Delazzer Date: April 2014

Scale: 1:5,000 Datum: NAD83Zn17

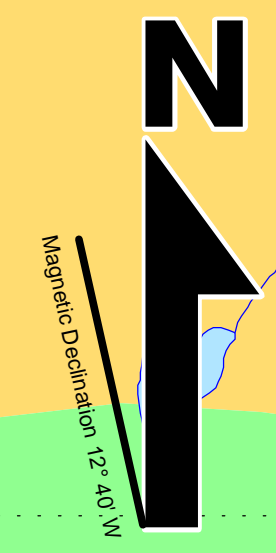
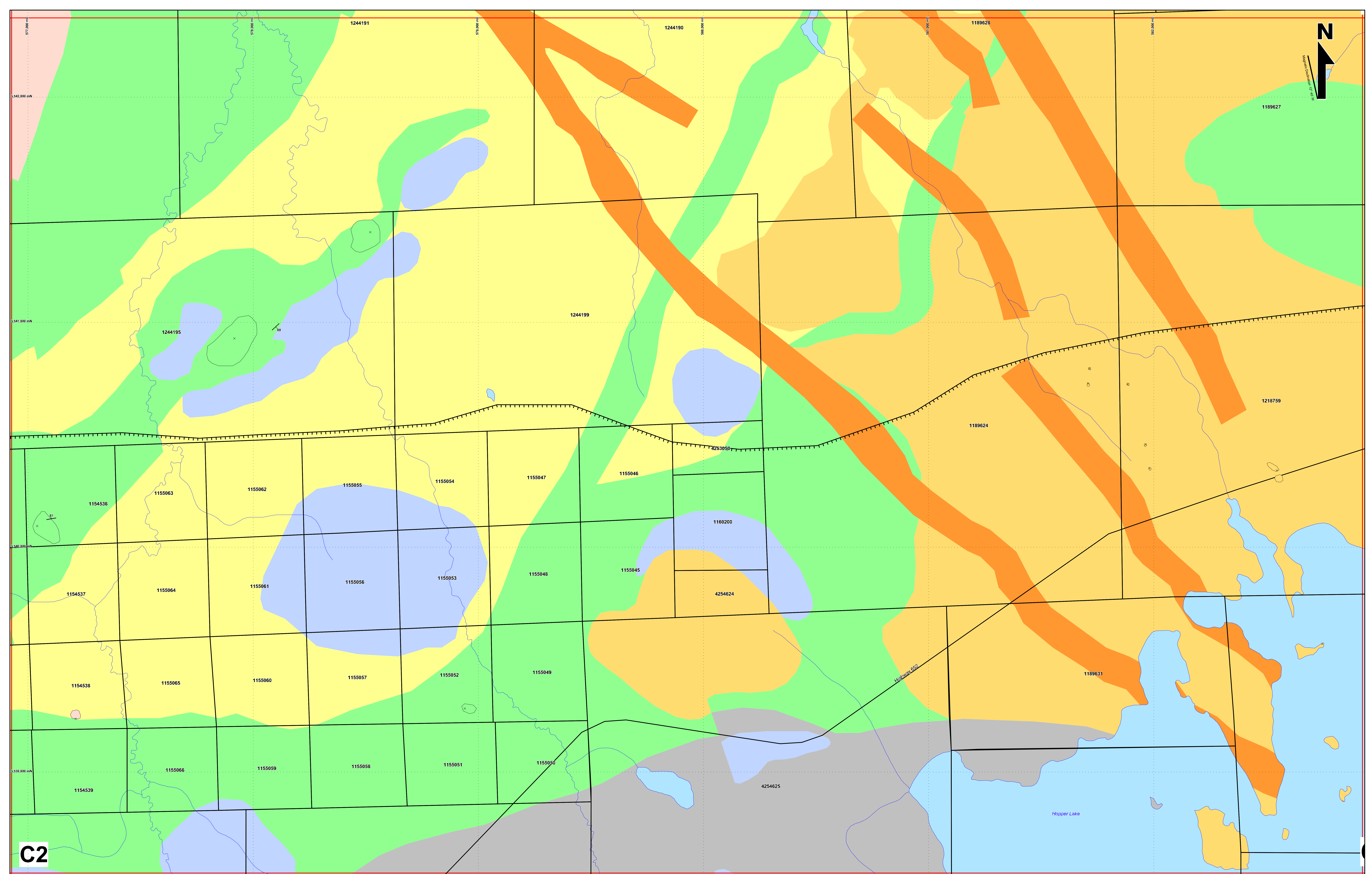




**B4**

<p><b>HoleID</b></p> <ul style="list-style-type: none"> <li>• &gt;1 Au gT/m</li> <li>• 0.5 to 1 Au gT/m</li> <li>+ 2012-2013 Grab Samples</li> <li>□ Area of 2013 Channel Samples</li> <li>• &gt; 0.1 Au gTChannel Grab Sample</li> </ul>	<p><b>Intrusives</b></p> <ul style="list-style-type: none"> <li>■ Felsic Intrusive - FI</li> <li>■ Intermediate Intrusive - II</li> <li>■ Mafic Intrusive - MI, GB</li> </ul> <p><b>Caopatina Assemblage</b></p> <ul style="list-style-type: none"> <li>■ Clastic Sediments GWE, Arg, CON</li> </ul>	<p><b>Deloro Group</b></p> <ul style="list-style-type: none"> <li>■ Felsic MetaVolcanic - FV</li> <li>■ Mafic-Intermediate Volcanic (MV) MVp - pillow flow, MVm - massive flow</li> <li>■ Ultramafic-Mafic MetaVolcanic - U</li> <li>■ Iron Formation - IF</li> </ul> <p><b>Opatica</b></p> <ul style="list-style-type: none"> <li>■ Basement Gneiss - GN</li> </ul>	<ul style="list-style-type: none"> <li>— Deformation Zone</li> <li>— Faults</li> <li>— Bedding / Contact (S0)</li> <li>— Foliation (S1)</li> <li>— Foliation (S2)</li> <li>— Foliation (S3)</li> <li>— Polarity</li> <li>— Quartz Vein</li> </ul>	<ul style="list-style-type: none"> <li>— Sheared Zone</li> <li>← Lineation</li> <li>⇐ Sinistral Fault</li> <li>⇒ Dextral Fault</li> <li>↖ Minor Fold with dip</li> <li>↗ Minor Fold with plunge</li> <li>↕ Anticline with Plunge</li> </ul>	<ul style="list-style-type: none"> <li>— Fracture</li> <li>□ Property Boudary</li> <li>□ Claims / Dispostions</li> <li>■ Lake / River</li> <li>× Outcrop Stations</li> </ul>		<p>Map Sheet B4</p> <p><b>DETOUR GOLD.</b></p> <p><b>Detour Lake Property Geology Map</b></p> <p>0 2.5 km</p> <p>Author: Adree Delazzer Date: April 2014</p> <p>Scale: 1:5,000 Datum: NAD83Zn17</p>
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**C2**

- HoldID**
- >1 Au gT/m
  - 0.5 to 1 Au gT/m
  - + 2012-2013 Grab Samples
  - ↔ 2013 Channel Samples
  - > 0.1 Au gTChannel Grab Sample

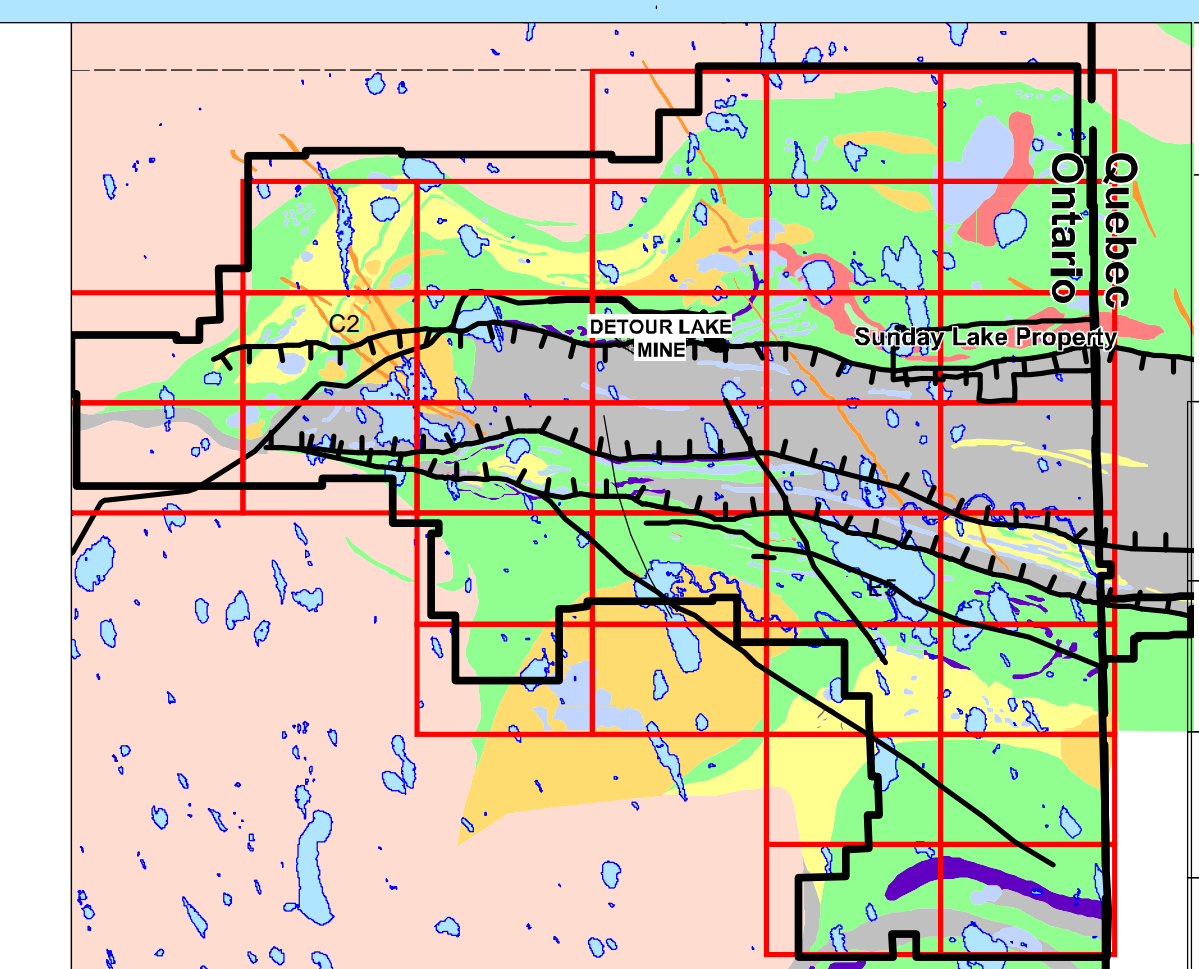
- Intrusives**
- Felsic Intrusive - FI
  - Intermediate Intrusive - II
  - Mafic Intrusive - MI, GB
- Caopatina Assemblage**
- Clastic Sediments GWE, Arg, CON

- Deloro Group**
- Felsic MetaVolcanic - FV
  - Mafic-Intermediate Volcanic (MV)  
MVp - pillow flow, MVm - massive flow
  - Ultramafic-Mafic MetaVolcanic - U
  - Iron Formation - IF
- Opatica**
- Basement Gneiss - GN

- Deformation Zone
- Faults
- Bedding / Contact (S0)
- Foliation (S1)
- Foliation (S2)
- Foliation (S3)
- Polarity
- Quartz Vein

- Sheared Zone
- Lination
- Sinistral Fault
- Dextral Fault
- Minor Fold with dip
- Minor Fold with plunge
- Anticline with Plunge

- Fracture
- Property Boudary
- Claims / Dispostions
- Lake / River
- × Outcrop Stations



Map Sheet C2

**DETOUR GOLD.**

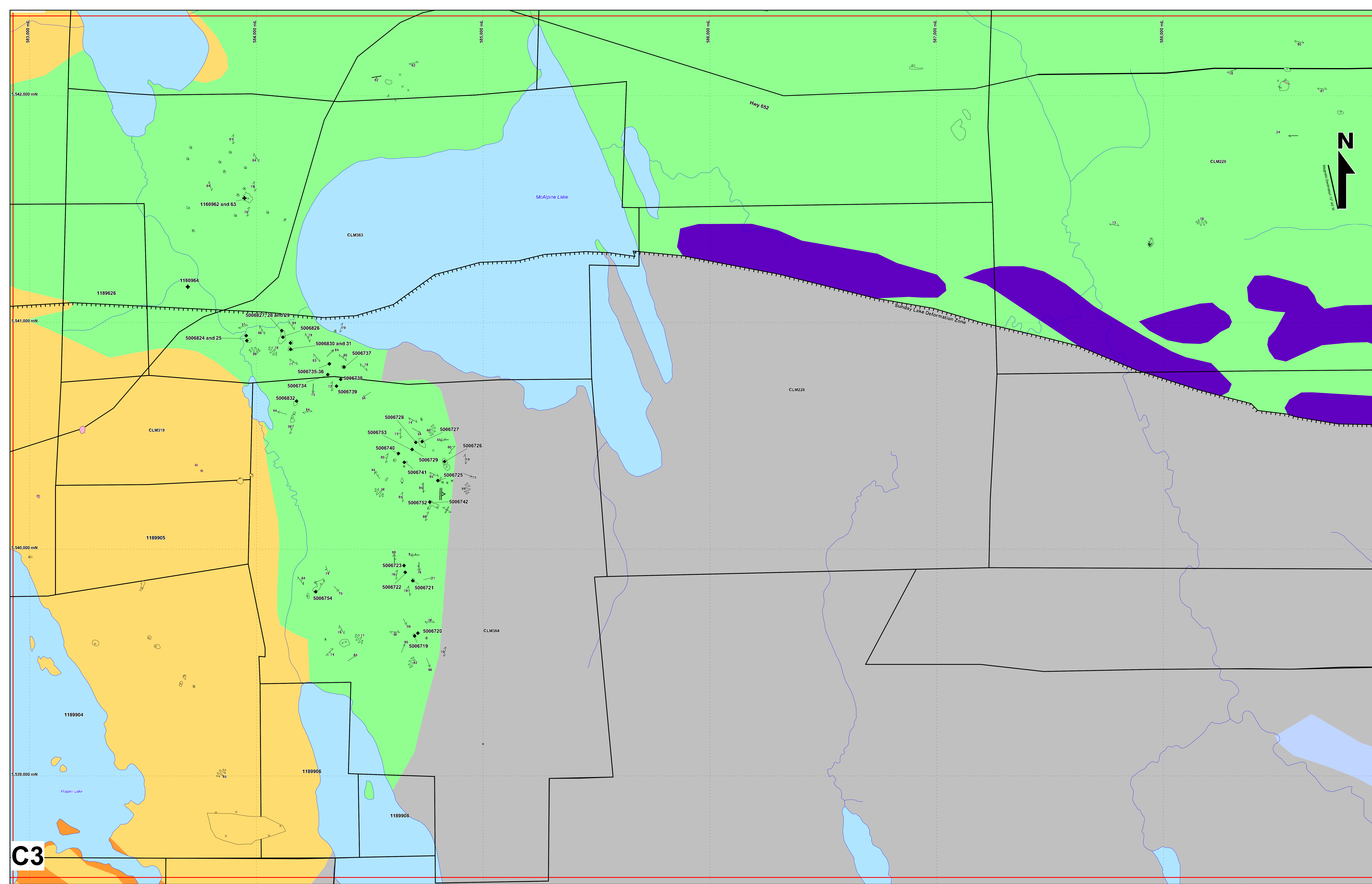
**Detour Lake Property Geology Map**

0 2.5 km

Author: Adree Delazzer Date: April 2014

Scale: 1:5,000 Datum: NAD83Zn17





C3

- HoldID**
- >1 Au gT/m
  - 0.5 to 1 Au gT/m
  - + 2012-2013 Grab Samples
  - ↔ 2013 Channel Samples
  - > 0.1 Au gTChannel Grab Sample

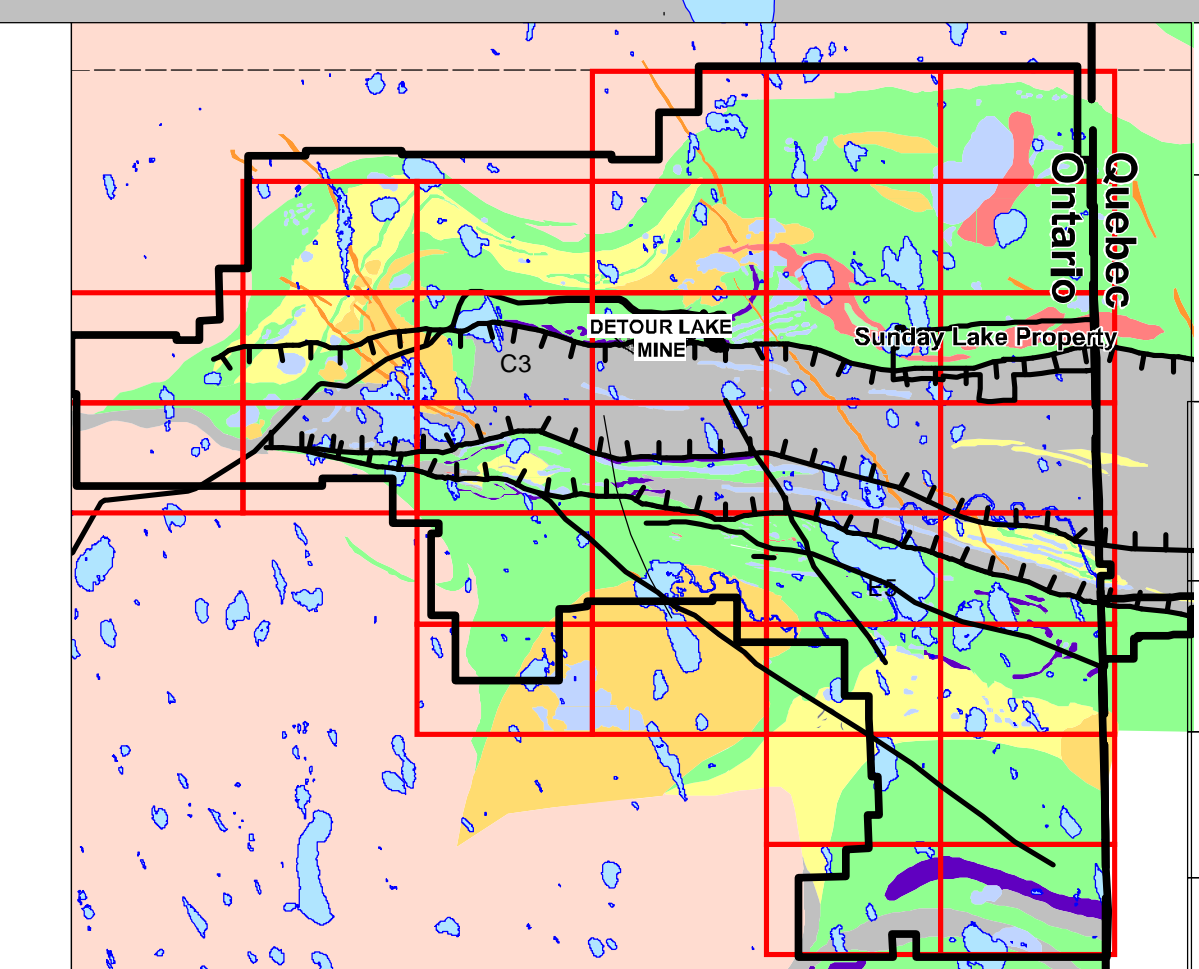
- Intrusives**
- Felsic Intrusive - FI
  - Intermediate Intrusive - II
  - Mafic Intrusive - MI, GB
- Caopatina Assemblage**
- Clastic Sediments
  - GWE, Arg, CON

- Deloro Group**
- Felsic MetaVolcanic - FV
  - Mafic-Intermediate Volcanic (MV)  
Mvp - pillow flow, MVm - massive flow
  - Ultramafic-Mafic MetaVolcanic - U
  - Iron Formation - IF
- Opatica**
- Basement Gneiss - GN

- Deformation Zone
- Faults
- Bedding / Contact (S0)
- Foliation (S1)
- Foliation (S2)
- Foliation (S3)
- Polarity
- Quartz Vein

- Sheared Zone
- ← Lination
- ⇐ Sinistral Fault
- ⇒ Dextral Fault
- ↯ Minor Fold with dip
- ↷ Minor Fold with plunge
- ↯ Anticline with Plunge

- Fracture
- Property Boudary
- Claims / Dispostions
- Lake / River
- × Outcrop Stations



Map Sheet C3

**DETOUR GOLD.**

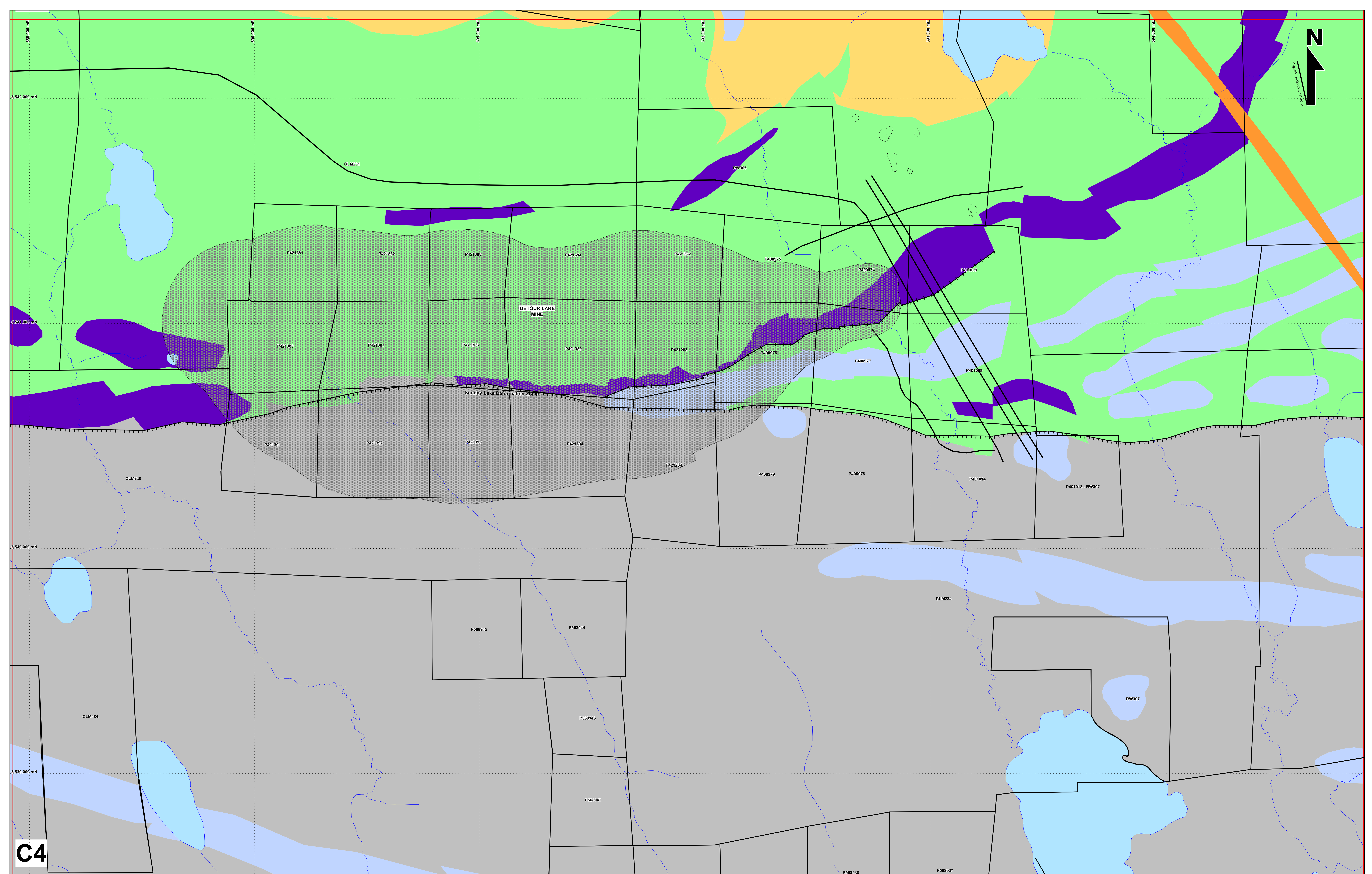
**Detour Lake Property Geology Map**

0 2.5 km

Author: Adree Delazzer Date: April 2014

Scale: 1:5,000 Datum: NAD83Zn17





**C4**

- HoldID**
- >1 Au gT/m
  - 0.5 to 1 Au gT/m
  - + 2012-2013 Grab Samples
  - ↔ 2013 Channel Samples
  - > 0.1 Au gTChannel Grab Sample

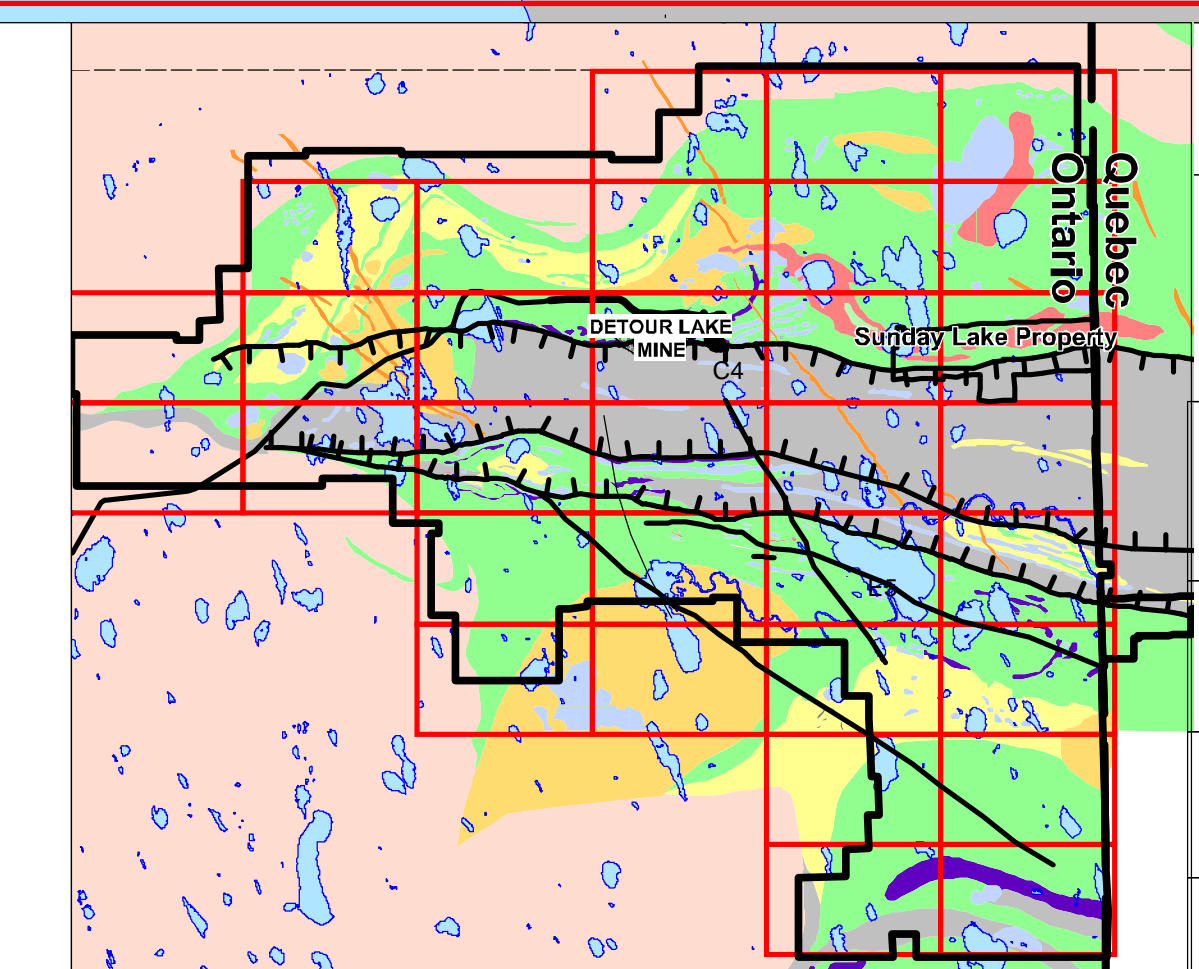
- Intrusives**
- Felsic Intrusive - FI
  - Intermediate Intrusive - II
  - Mafic Intrusive - MI, GB
- Caopatina Assemblage**
- Clastic Sediments GWE, Arg, CON

- Deloro Group**
- Felsic MetaVolcanic - FV
  - Mafic-Intermediate Volcanic (MV)  
Mvp - pillow flow, MVm - massive flow
  - Ultramafic-Mafic MetaVolcanic - U
  - Iron Formation - IF
- Opatica**
- Basement Gneiss - GN

- Deformation Zone
- Faults
- Bedding / Contact (S0)
- Foliation (S1)
- Foliation (S2)
- Foliation (S3)
- Polarity
- Quartz Vein

- Sheared Zone
- ← Lination
- ⇌ Sinistral Fault
- ⇌ Dextral Fault
- ↖ Minor Fold with dip
- ↖ Minor Fold with plunge
- ↕ Anticline with Plunge

- Fracture
- Property Boudary
- Claims / Dispositions
- Lake / River
- × Outcrop Stations



Map Sheet C4

**DETOUR GOLD.**

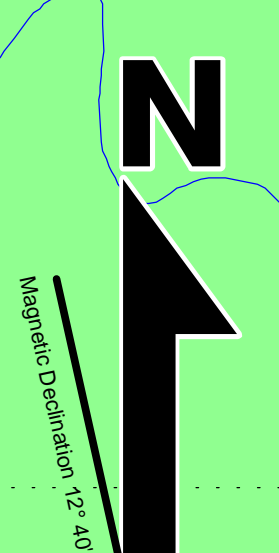
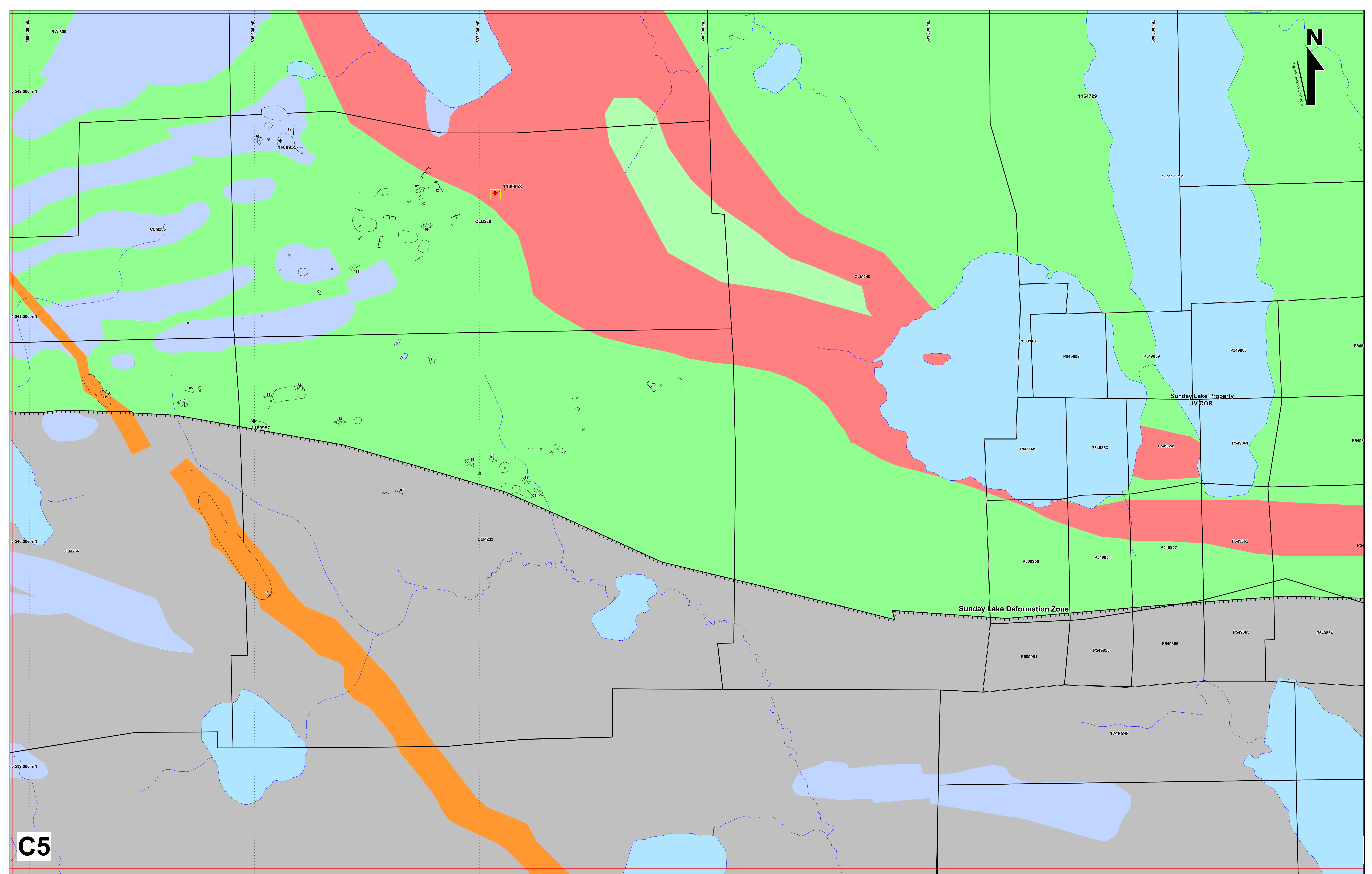
**Detour Lake Property Geology Map**

0 2.5 km

Author: Adree Delazzer Date: April 2014

Scale: 1:5,000 Datum: NAD83Zn17





**C5**

- HoleID**
- >1 Au gT/m
  - 0.5 to 1 Au gT/m
  - + 2012-2013 Grab Samples
  - Area of 2013 Channel Samples
  - > 0.1 Au gTChannel Grab Sample

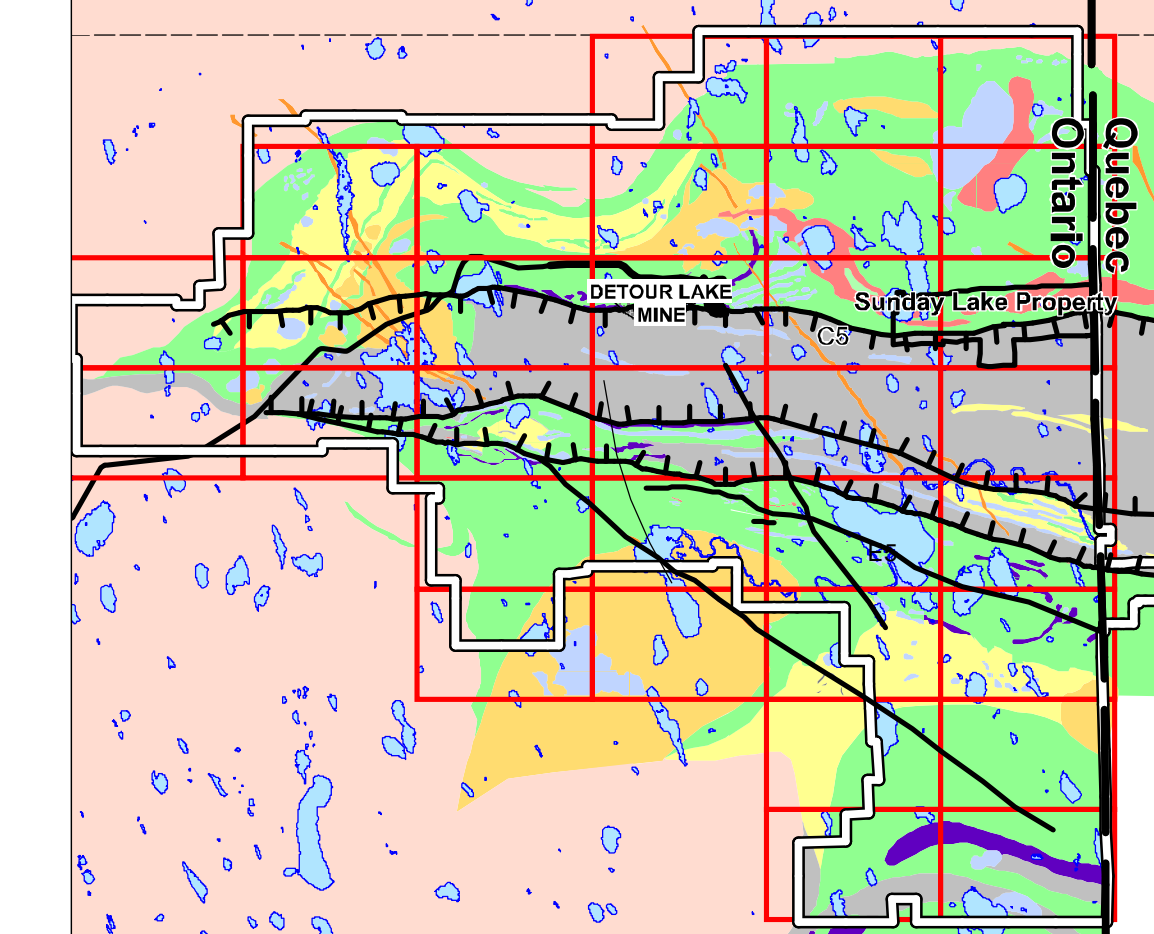
- Intrusives**
- Felsic Intrusive - FI
  - Intermediate Intrusive - II
  - Mafic Intrusive - MI, GB
- Caopatina Assemblage**
- Clastic Sediments GWE, Arg, CON

- Deloro Group**
- Felsic MetaVolcanic - FV
  - Mafic-Intermediate Volcanic (MV) MVp - pillow flow, MVm - massive flow
  - Ultramafic-Mafic MetaVolcanic - U
  - Iron Formation - IF
- Opatica**
- Basement Gneiss - GN

- Deformation Zone
- Faults
- Bedding / Contact (S0)
- Foliation (S1)
- Foliation (S2)
- Foliation (S3)
- Polarity
- Quartz Vein

- Sheared Zone
- ← Lineation
- ⇐ Sinistral Fault
- ⇐ Dextral Fault
- ↖ Minor Fold with dip
- ↖ Minor Fold with plunge
- ↖ Anticline with Plunge

- Fracture
- Property Boudary
- Claims / Dispostions
- Lake / River
- × Outcrop Stations



Map Sheet C5

**DETOUR GOLD.**

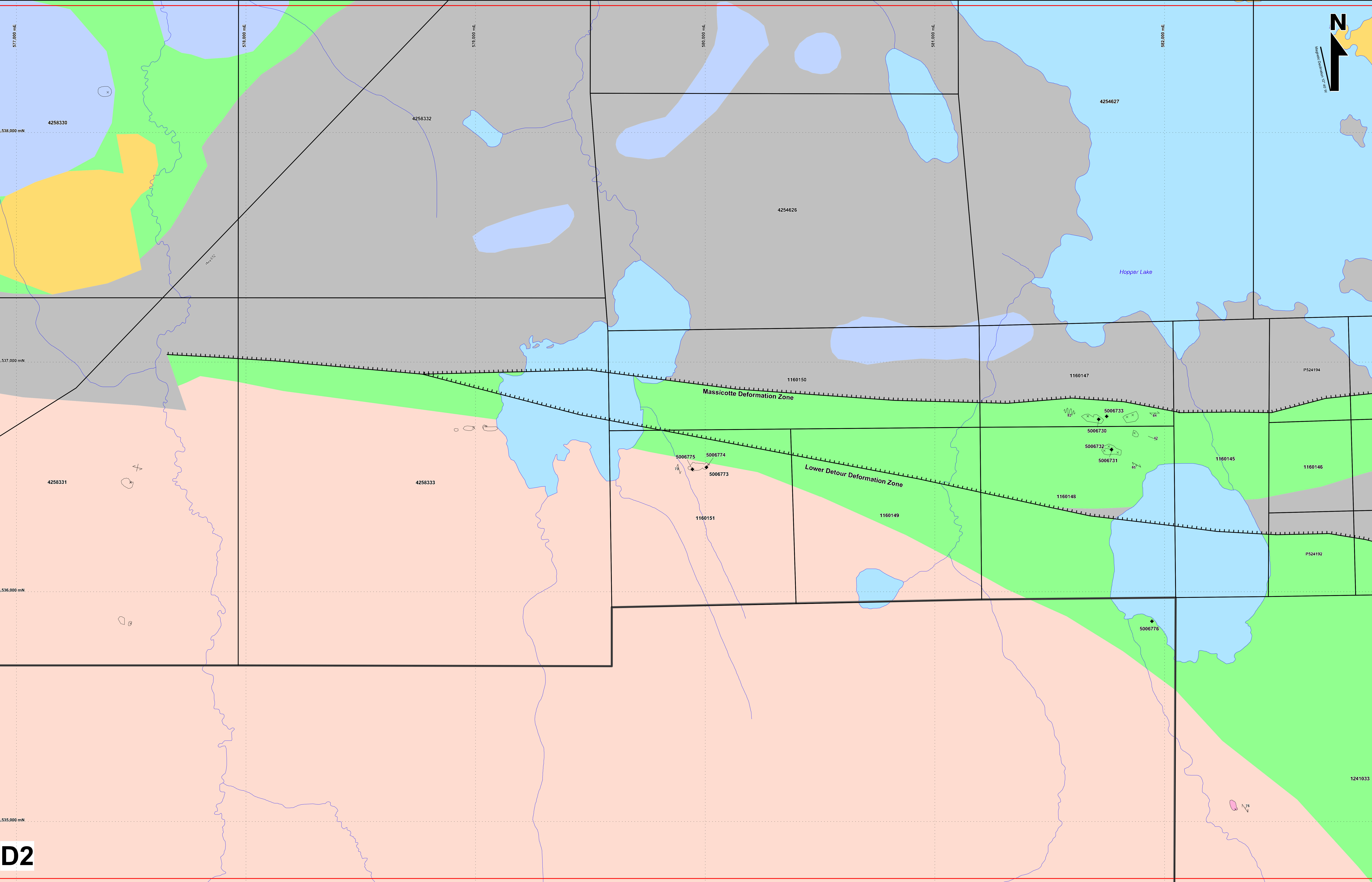
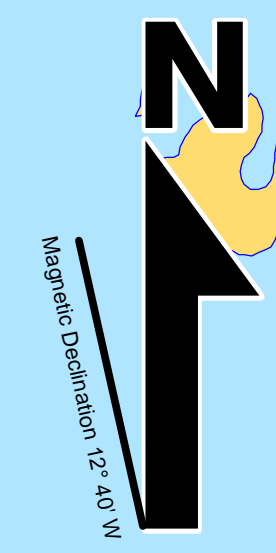
**Detour Lake Property Geology Map**

0 2.5 km

Author: Adree Delazzer Date: April 2014

Scale: 1:5,000 Datum: NAD83Zn17





**D2**

- HoldID**
- ◆ >1 Au gT/m
  - 0.5 to 1 Au gT/m
  - + 2012-2013 Grab Samples
  - ◆ > 0.1 Au gTChannel Grab Sample
  - 2013 Channel Samples

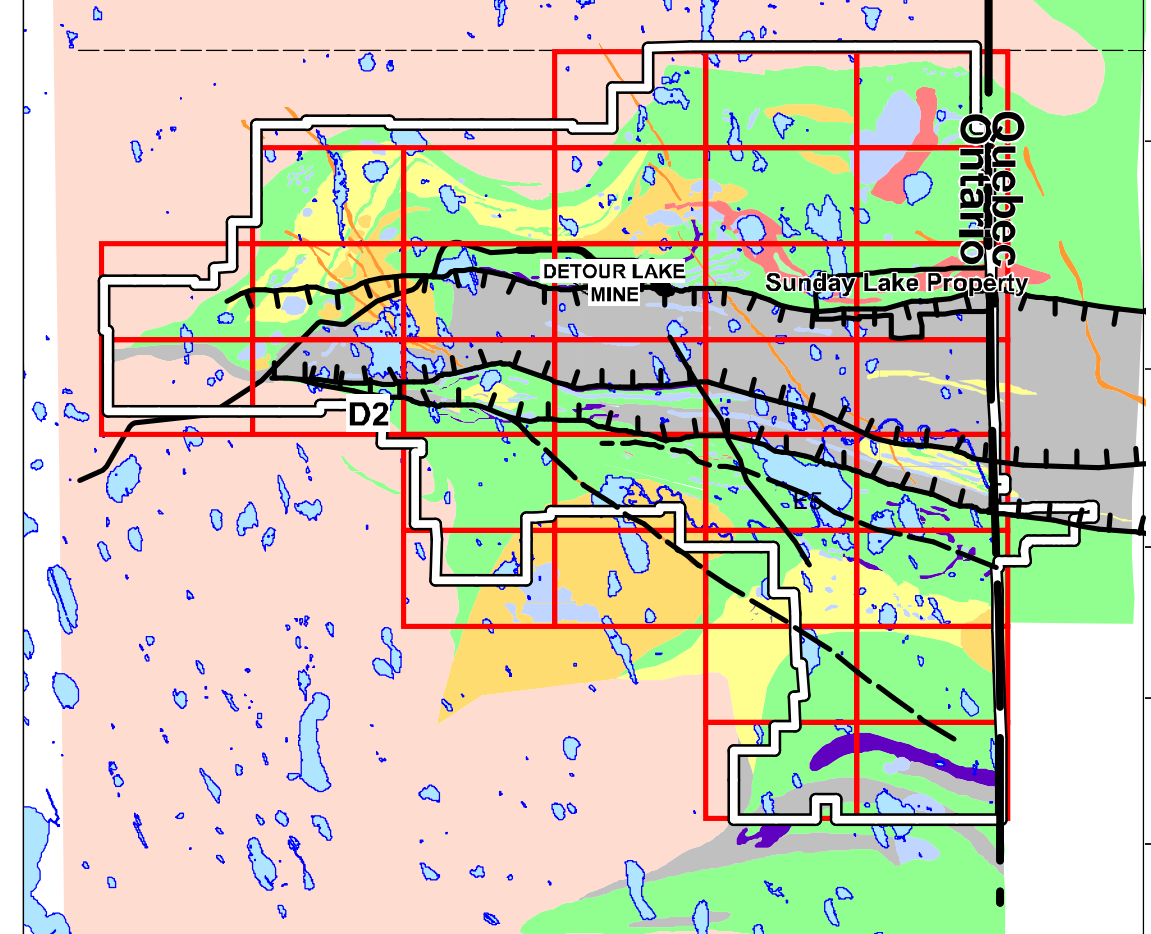
- Intrusives**
- Felsic Intrusive - FI
  - Intermediate Intrusive - II
  - Mafic Intrusive - MI, GB
- Caopatina Assemblage**
- Clastic Sediments GWE, Arg, CON

- Deloro Group**
- Felsic MetaVolcanic - FV
  - Mafic-Intermediate Volcanic (MV) MVP - pillow flow, MVM - massive flow
  - Ultramafic-Mafic MetaVolcanic - U
  - Iron Formation - IF
- Opatina**
- Basement Gneiss - GN

- ▬ Deformation Zone
- ▬ Faults
- ▬ Bedding / Contact (S0)
- ▬ Foliation (S1)
- ▬ Foliation (S2)
- ▬ Foliation (S3)
- ▬ Polarity
- ▬ Quartz Vein

- ▬ Sheared Zone
- ▬ Lineation
- ▬ Sinistral Fault
- ▬ Dextral Fault
- ▬ Minor Fold with dip
- ▬ Minor Fold with plunge
- ▬ Anticline with Plunge

- ▬ Fracture
- ▬ Property Boudary
- ▬ Claims / Dispostions
- ▬ Lake / River
- × Outcrop Stations



Map Sheet D2

**DETOUR GOLD.**

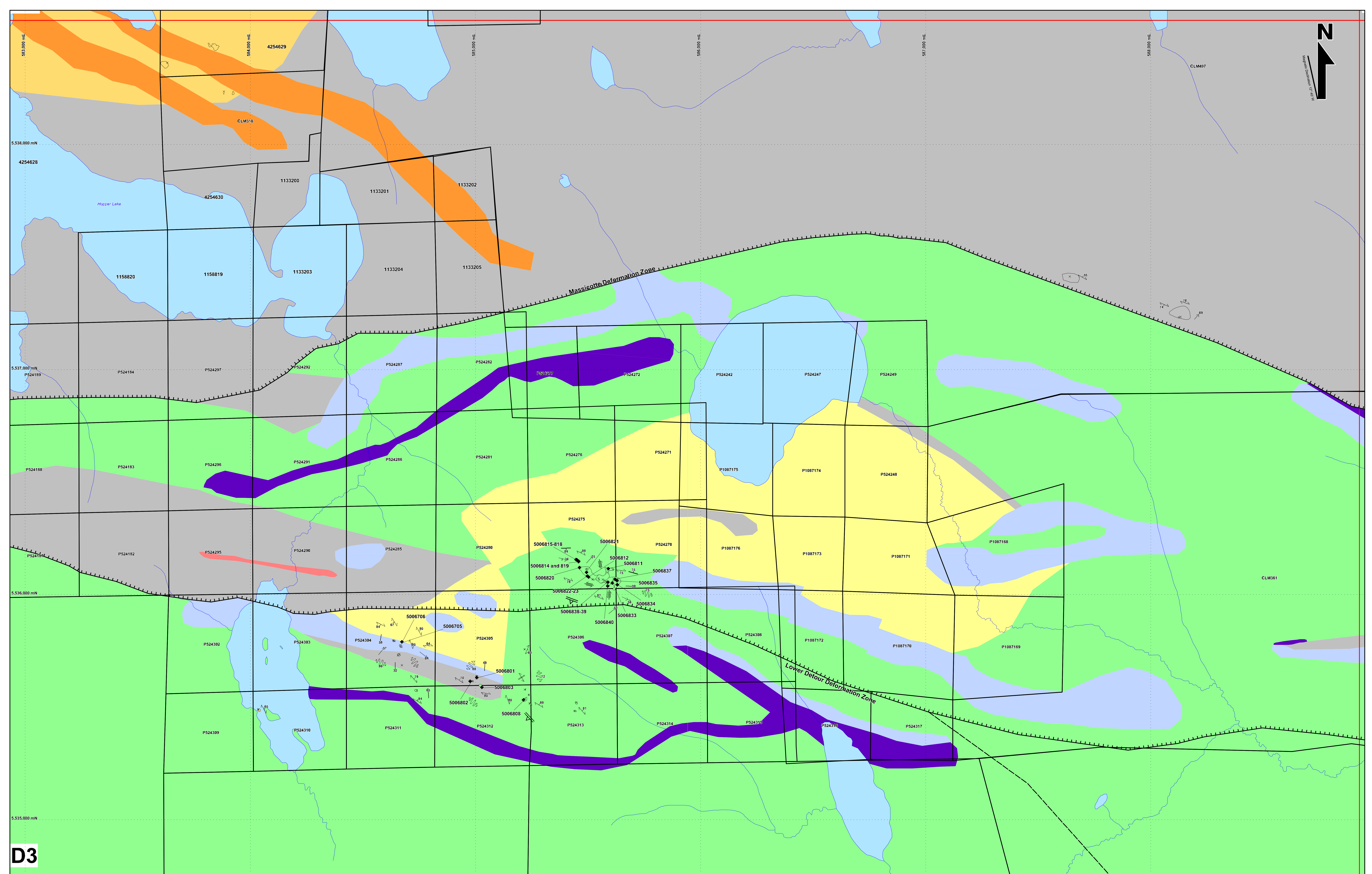
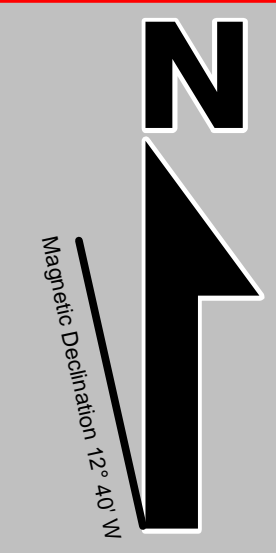
**Detour Lake Property Geology Map**

0 2.5 km

Author: Adree Delazzer Date: April 2014

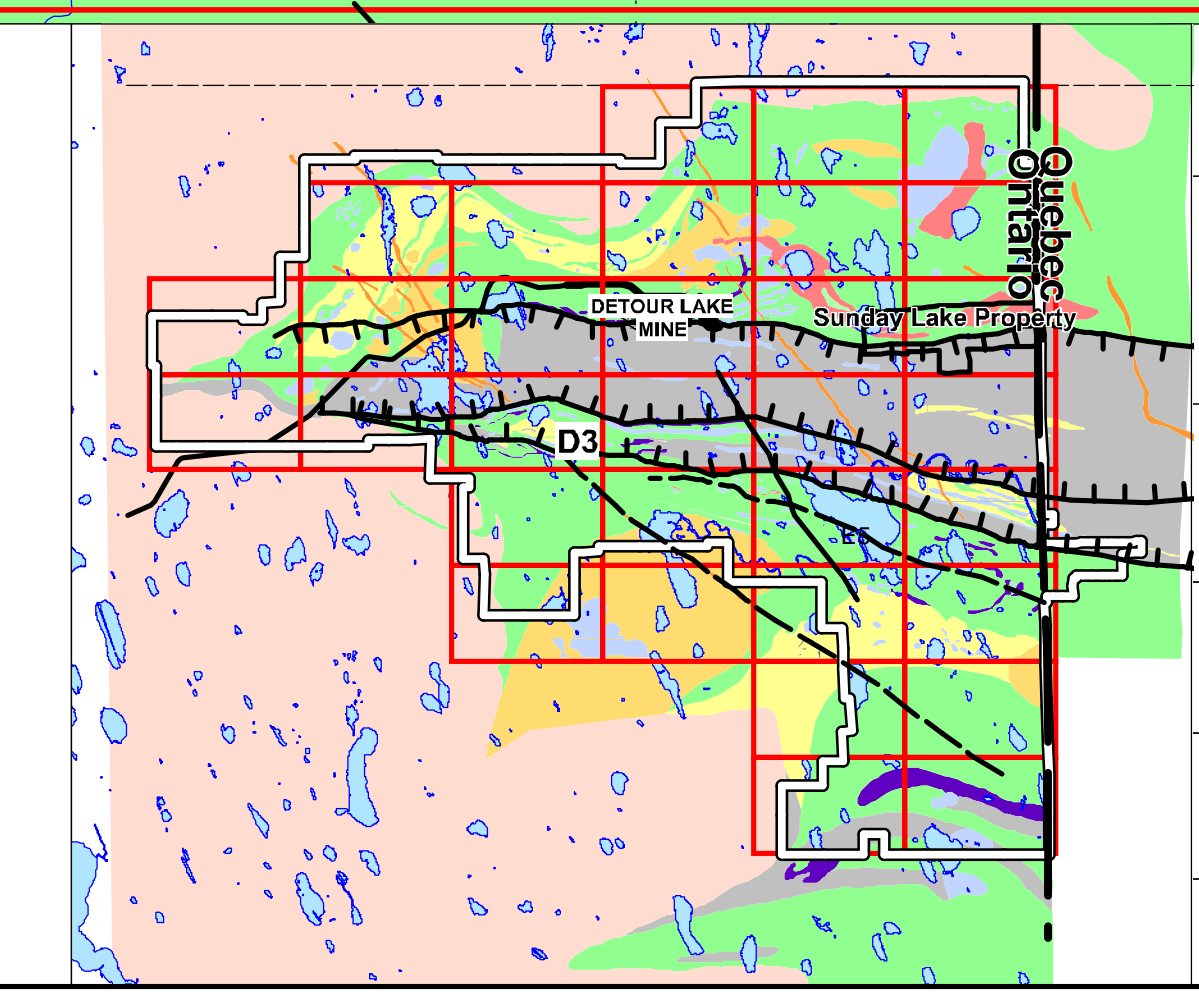
Scale: 1:5,000 Datum: NAD83N17





D3

<p><b>HoleID</b></p> <ul style="list-style-type: none"> <li><span style="color: red;">◆</span> &gt;1 Au gT/m</li> <li><span style="color: orange;">◆</span> 0.5 to 1 Au gT/m</li> <li><span style="color: black;">+</span> 2012-2013 Grab Samples</li> <li><span style="color: red;">+</span> &gt; 0.1 Au gTChannel Grab Sample</li> <li><span style="border: 1px solid yellow; display: inline-block; width: 10px; height: 10px;"></span> 2013 Channel Samples</li> </ul>	<p><b>Intrusives</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: red; border: 1px solid black;"></span> Felsic Intrusive - FI</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: orange; border: 1px solid black;"></span> Intermediate Intrusive - II</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: blue; border: 1px solid black;"></span> Mafic Intrusive - MI, GB</li> </ul> <p><b>Caopatina Assemblage</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: grey; border: 1px solid black;"></span> Clastic Sediments GWE, Arg, CON</li> </ul>	<p><b>Deloro Group</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: yellow; border: 1px solid black;"></span> Felsic MetaVolcanic - FV</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: green; border: 1px solid black;"></span> Mafic-Intermediate Volcanic (MV) Mvp - pillow flow, MVm - massive flow</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: purple; border: 1px solid black;"></span> Ultramafic-Mafic MetaVolcanic - U</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: grey; border: 1px solid black;"></span> Iron Formation - IF</li> </ul> <p><b>Opatica</b></p> <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: orange; border: 1px solid black;"></span> Basement Gneiss - GN</li> </ul>	<ul style="list-style-type: none"> <li><span style="border-top: 1px dashed black; width: 15px; display: inline-block;"></span> Deformation Zone</li> <li><span style="border-bottom: 1px solid black; width: 15px; display: inline-block;"></span> Faults</li> <li><span style="border-bottom: 1px solid black; width: 15px; display: inline-block; margin-right: 5px;">┆</span> Bedding / Contact (S0)</li> <li><span style="border-bottom: 1px solid black; width: 15px; display: inline-block; margin-right: 5px;">/</span> Foliation (S1)</li> <li><span style="border-bottom: 1px solid black; width: 15px; display: inline-block; margin-right: 5px;">/ \</span> Foliation (S2)</li> <li><span style="border-bottom: 1px solid black; width: 15px; display: inline-block; margin-right: 5px;">/ \ /</span> Foliation (S3)</li> <li><span style="border-bottom: 1px solid black; width: 15px; display: inline-block; margin-right: 5px;">/ \ / \</span> Polarity</li> <li><span style="border-bottom: 1px solid black; width: 15px; display: inline-block; margin-right: 5px;">/ \ / \ /</span> Quartz Vein</li> </ul>	<ul style="list-style-type: none"> <li><span style="border-bottom: 1px dashed black; width: 15px; display: inline-block;"></span> Deformation Zone</li> <li><span style="border-bottom: 1px solid black; width: 15px; display: inline-block;"></span> Faults</li> <li><span style="border-bottom: 1px solid black; width: 15px; display: inline-block; margin-right: 5px;">┆</span> Bedding / Contact (S0)</li> <li><span style="border-bottom: 1px solid black; width: 15px; display: inline-block; margin-right: 5px;">/</span> Foliation (S1)</li> <li><span style="border-bottom: 1px solid black; width: 15px; display: inline-block; margin-right: 5px;">/ \</span> Foliation (S2)</li> <li><span style="border-bottom: 1px solid black; width: 15px; display: inline-block; margin-right: 5px;">/ \ /</span> Foliation (S3)</li> <li><span style="border-bottom: 1px solid black; width: 15px; display: inline-block; margin-right: 5px;">/ \ / \</span> Polarity</li> <li><span style="border-bottom: 1px solid black; width: 15px; display: inline-block; margin-right: 5px;">/ \ / \ /</span> Quartz Vein</li> </ul>	<ul style="list-style-type: none"> <li><span style="border-bottom: 1px dashed black; width: 15px; display: inline-block;"></span> Sheared Zone</li> <li><span style="border-bottom: 1px solid black; width: 15px; display: inline-block;"></span> Lamination</li> <li><span style="border-bottom: 1px solid black; width: 15px; display: inline-block; margin-right: 5px;">←</span> Sinistral Fault</li> <li><span style="border-bottom: 1px solid black; width: 15px; display: inline-block; margin-right: 5px;">→</span> Dextral Fault</li> <li><span style="border-bottom: 1px solid black; width: 15px; display: inline-block; margin-right: 5px;">↖</span> Minor Fold with dip</li> <li><span style="border-bottom: 1px solid black; width: 15px; display: inline-block; margin-right: 5px;">↙</span> Minor Fold with plunge</li> <li><span style="border-bottom: 1px solid black; width: 15px; display: inline-block; margin-right: 5px;">↕</span> Anticline with Plunge</li> </ul>	<ul style="list-style-type: none"> <li><span style="border-bottom: 1px dashed black; width: 15px; display: inline-block;"></span> Fracture</li> <li><span style="border: 1px solid black; width: 15px; height: 10px; display: inline-block;"></span> Property Boundary</li> <li><span style="border: 1px solid black; width: 15px; height: 10px; display: inline-block; background-color: lightblue;"></span> Claims / Dispositions</li> <li><span style="border: 1px solid blue; width: 15px; height: 10px; display: inline-block; background-color: lightblue;"></span> Lake / River</li> <li><span style="color: black;">x</span> Outcrop Stations</li> </ul>
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Map Sheet D3

**DETOUR GOLD.**

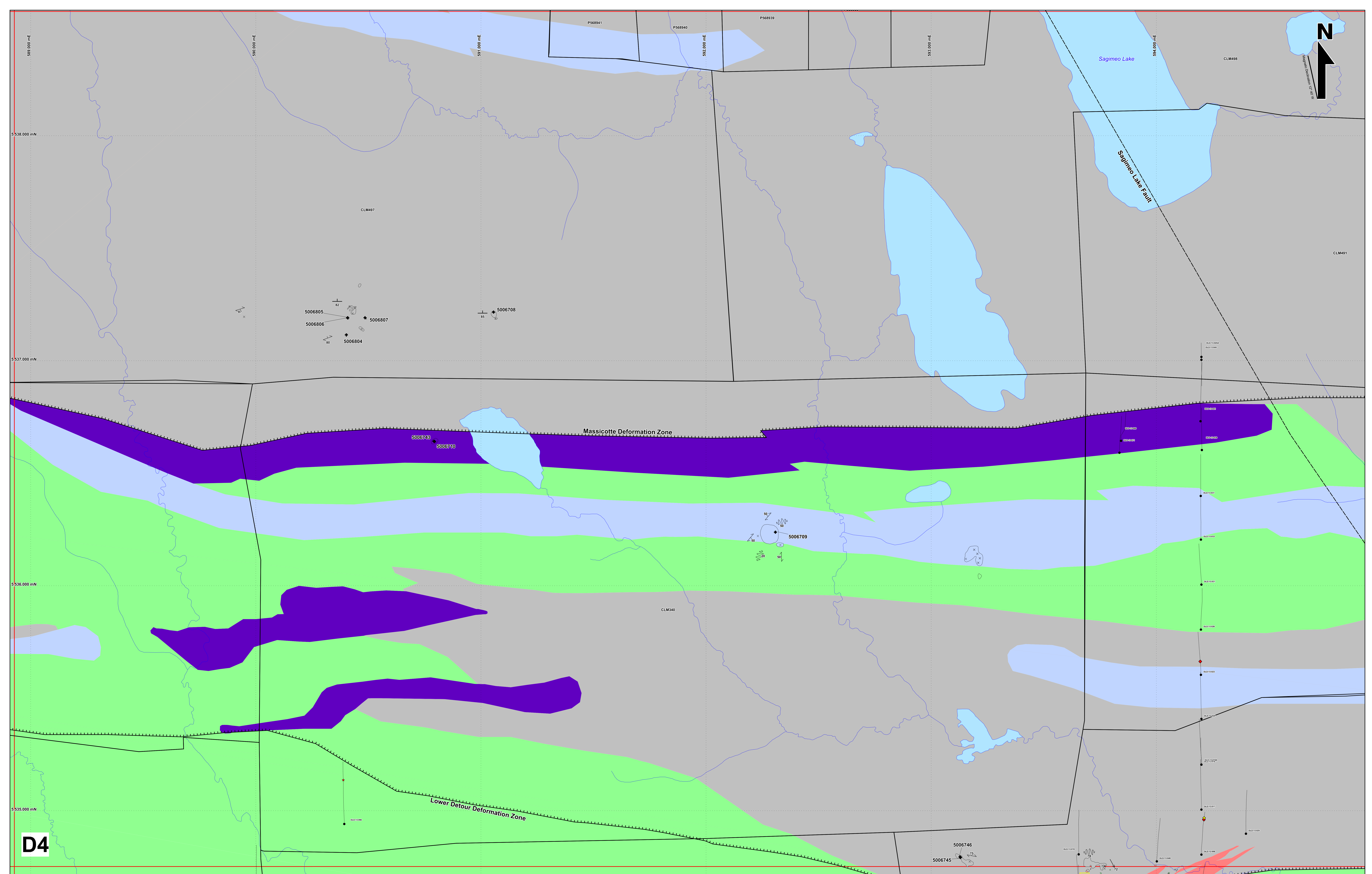
**Detour Lake Property Geology Map**

0 2.5 km

Author: Adree Delazzer Date: April 2014

Scale: 1:5,000 Datum: NAD83/17





D4

- HoldID**
- ◆ >1 Au gT/m
  - 0.5 to 1 Au gT/m
  - ◆ 2012-2013 Grab Samples
  - ◆ > 0.1 Au gTChannel Grab Sample
  - 2013 Channel Samples

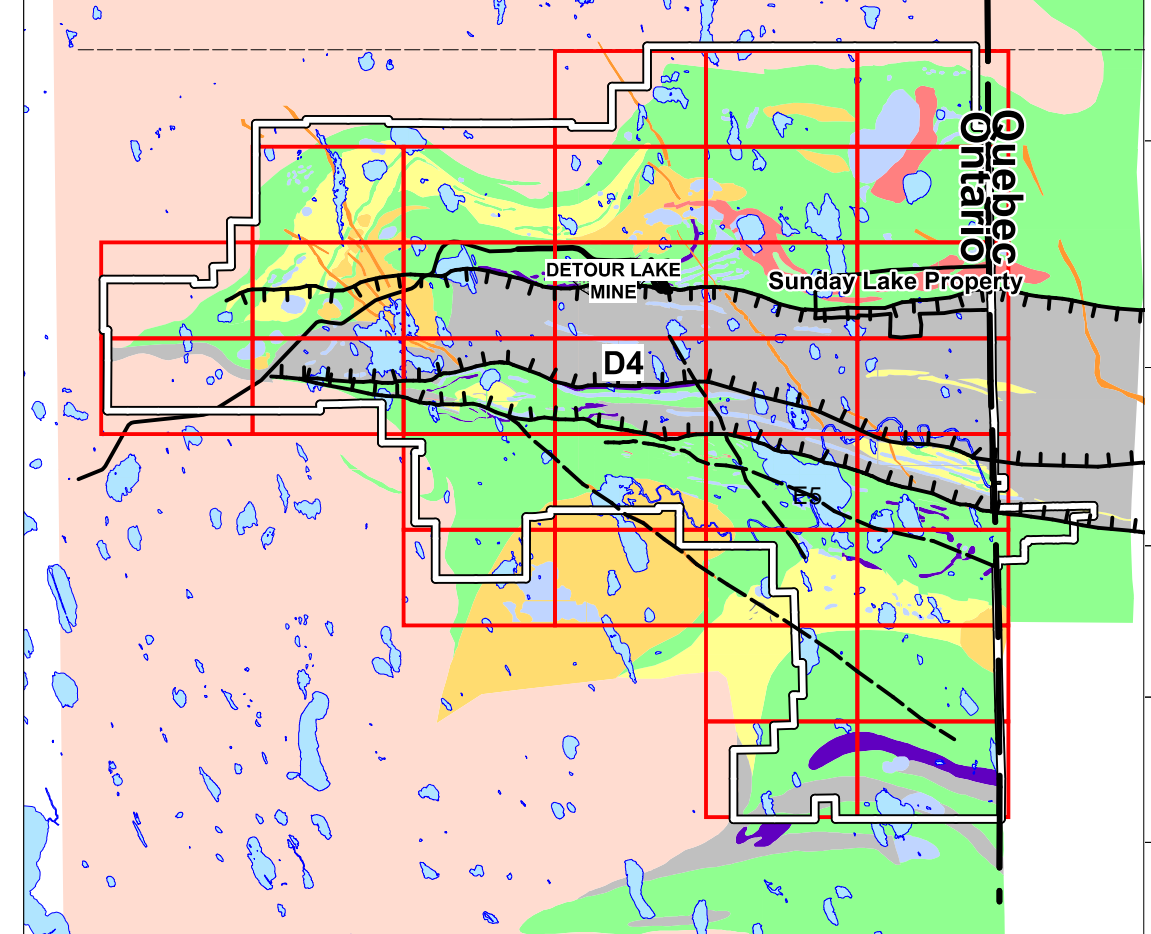
- Intrusives**
- Felsic Intrusive - FI
  - Intermediate Intrusive - II
  - Mafic Intrusive - MI, GB
- Caopatina Assemblage**
- Clastic Sediments GWE, Arg, CON

- Deloro Group**
- Felsic MetaVolcanic - FV
  - Mafic-Intermediate Volcanic (MV)  
Mvp - pillow flow, MVm - massive flow
  - Ultramafic-Mafic MetaVolcanic - U
  - Iron Formation - IF
- Opatoca**
- Basement Gneiss - GN

- Deformation Zone
- Faults
- Bedding / Contact (S0)
- Foliation (S1)
- Foliation (S2)
- Foliation (S3)
- Polarity
- Quartz Vein

- Sheared Zone
- Lineation
- Sinistral Fault
- Dextral Fault
- Minor Fold with dip
- Minor Fold with plunge
- Anticline with Plunge

- Fracture
- Property Boundary
- Claims / Dispositions
- Lake / River
- × Outcrop Stations



Map Sheet D4

**DETOUR GOLD.**

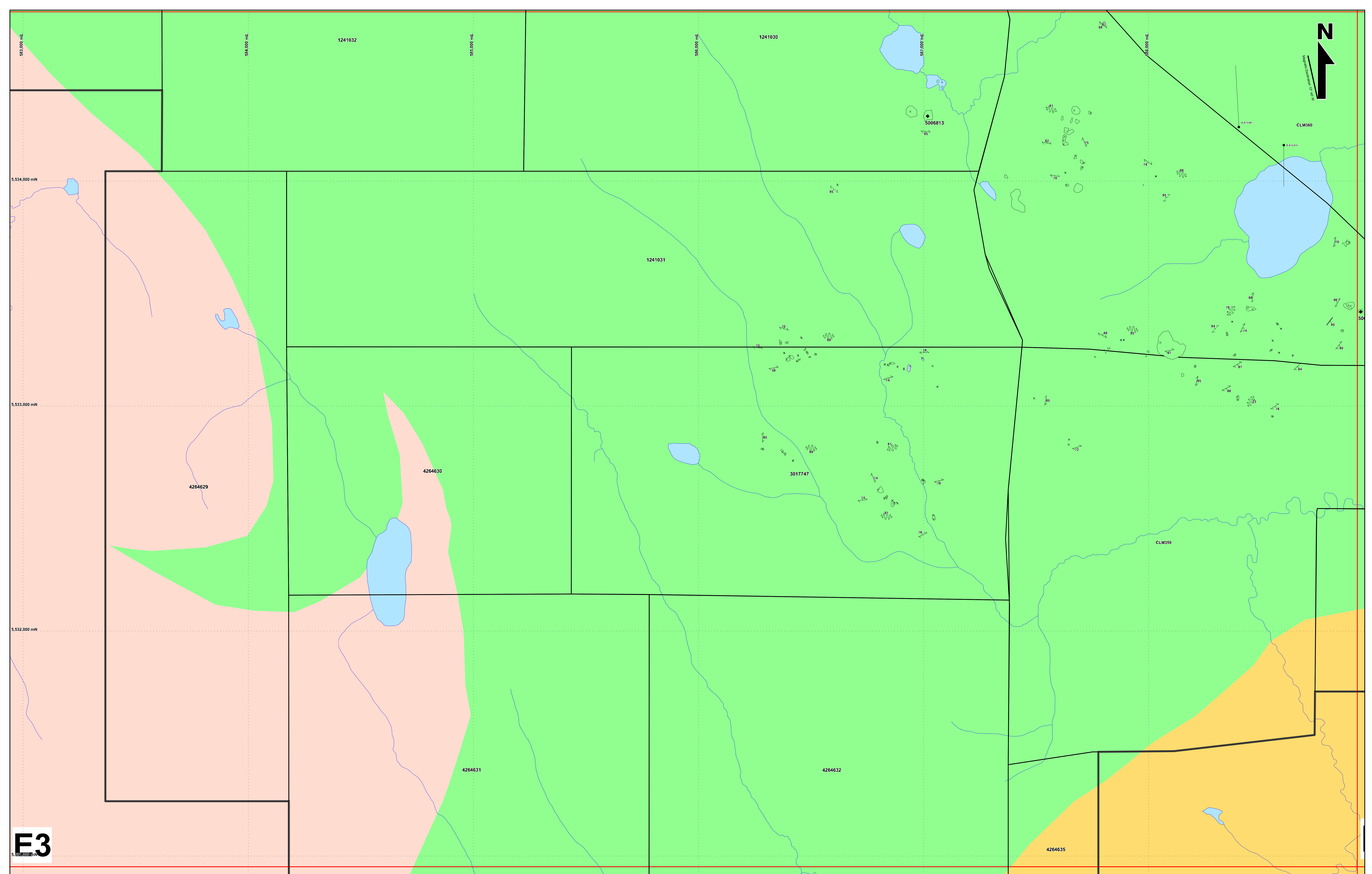
**Detour Lake Property Geology Map**

0 2.5 km

Author: Adree Delazzer Date: April 2014

Scale: 1:5,000 Datum: NAD83Zn17





**E3**

- HoleID**
- >1 Au gT/m
  - 0.5 to 1 Au gT/m
  - + 2012-2013 Grab Samples
  - > 0.1 Au gTChannel Grab Sample
  - 2013 Channel Samples

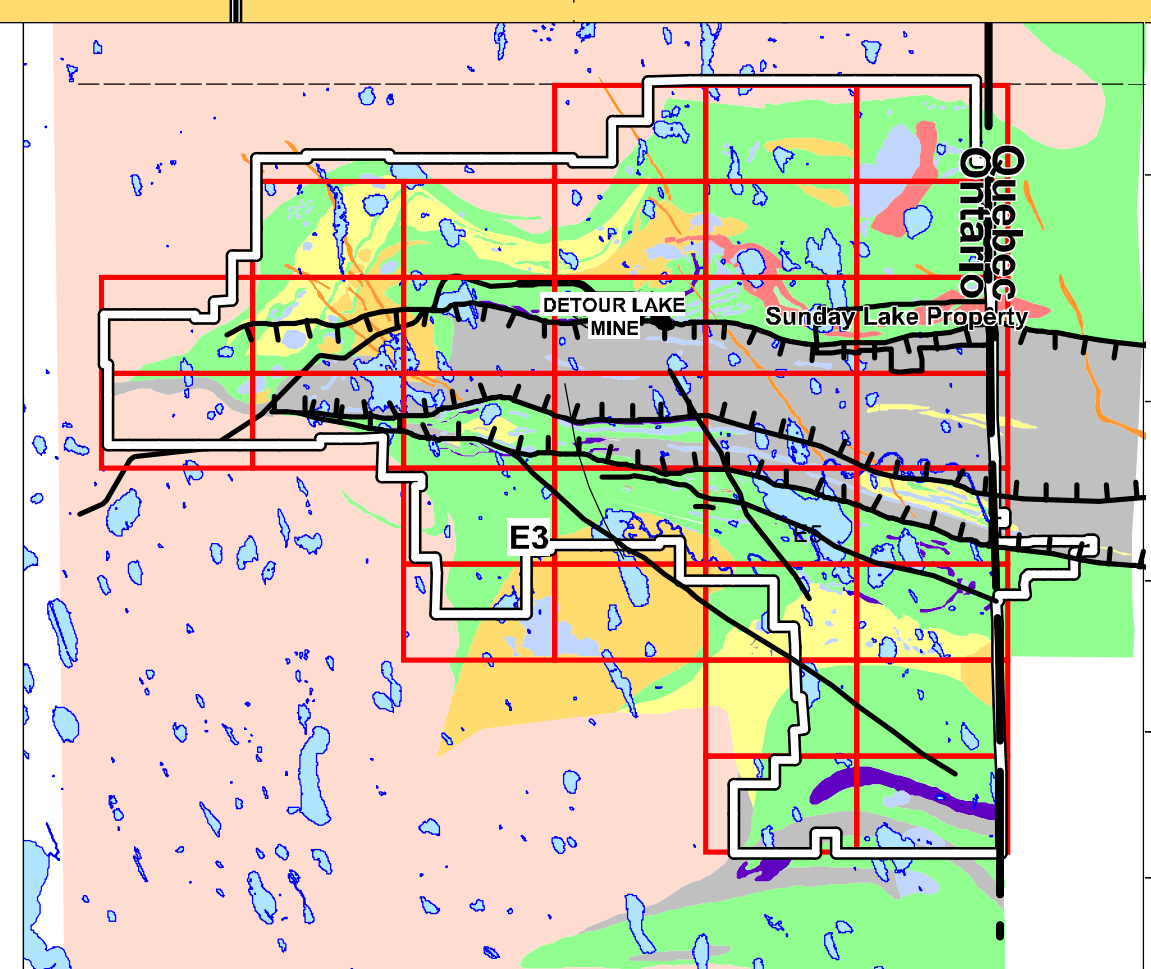
- Intrusives**
- Felsic Intrusive - FI
  - Intermediate Intrusive - II
  - Mafic Intrusive - MI, GB
- Caopatina Assemblage**
- Clastic Sediments GWE, Arg, CON

- Deloro Group**
- Felsic MetaVolcanic - FV
  - Mafic-Intermediate Volcanic (MV)  
Mvp - pillow flow, MVm - massive flow
  - Ultramafic-Mafic MetaVolcanic - U
  - Iron Formation - IF
- Opatica**
- Basement Gneiss - GN

- Deformation Zone
- Faults
- Bedding / Contact (S0)
- Foliation (S1)
- Foliation (S2)
- Foliation (S3)
- Polarity
- Quartz Vein

- Sheared Zone
- ← Lination
- ⇐ Sinistral Fault
- ⇐ Dextral Fault
- ↖ Minor Fold with dip
- ↖ Minor Fold with plunge
- ↖ Anticline with Plunge

- Fracture
- Property Boudary
- Claims / Dispostions
- Lake / River
- × Outcrop Stations



Map Sheet E3

**DETOUR GOLD.**

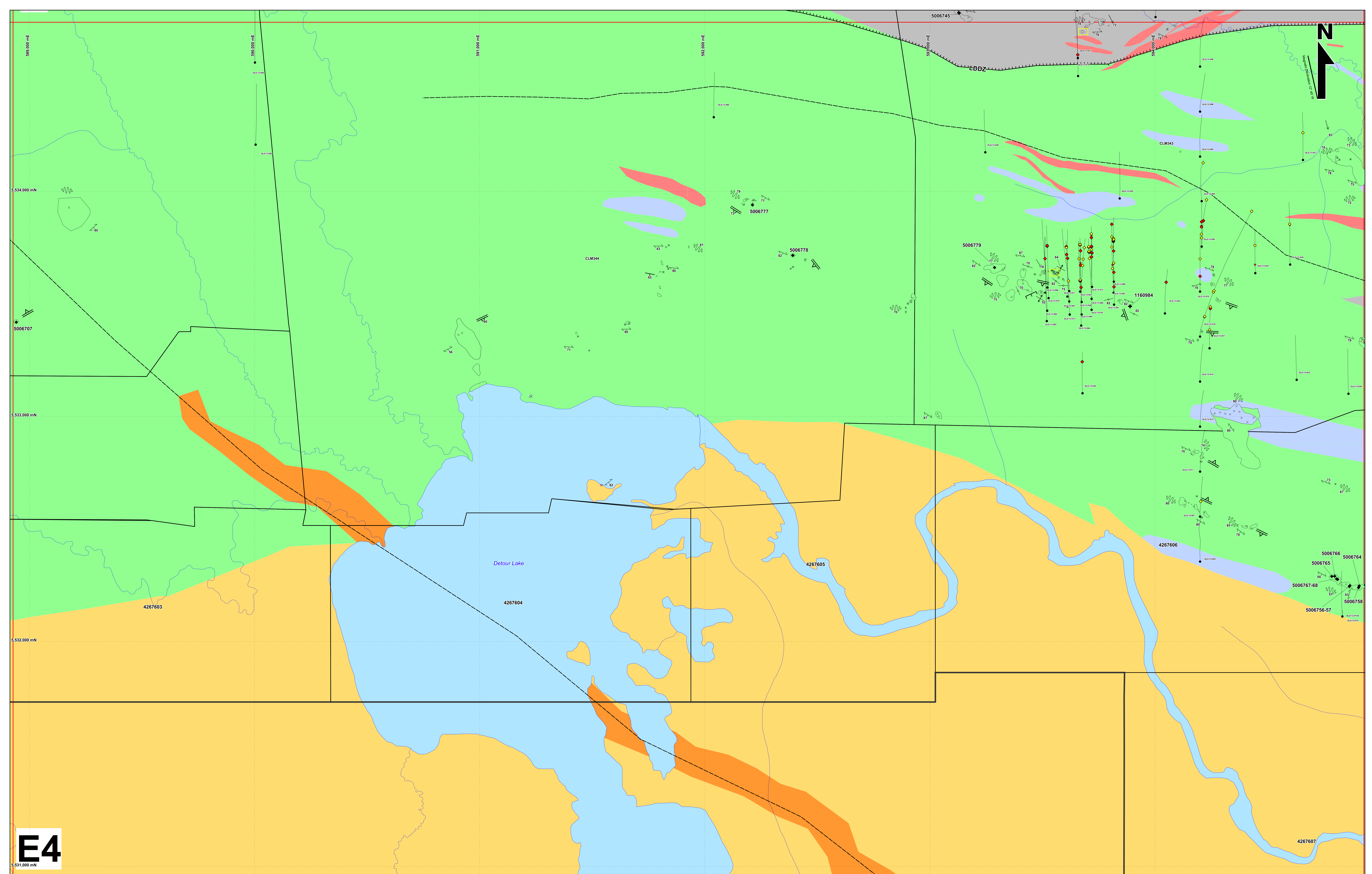
**Detour Lake Property Geology Map**

0 2.5 km

Author: Adree Delazzer Date: April 2014

Scale: 1:5,000 Datum: NAD83Zn17





**E4**

- HoldID**
- ◆ >1 Au gT/m
  - 0.5 to 1 Au gT/m
  - ✦ 2012-2013 Grab Samples
  - ✦ > 0.1 Au gTChannel Grab Sample
  - 2013 Channel Samples

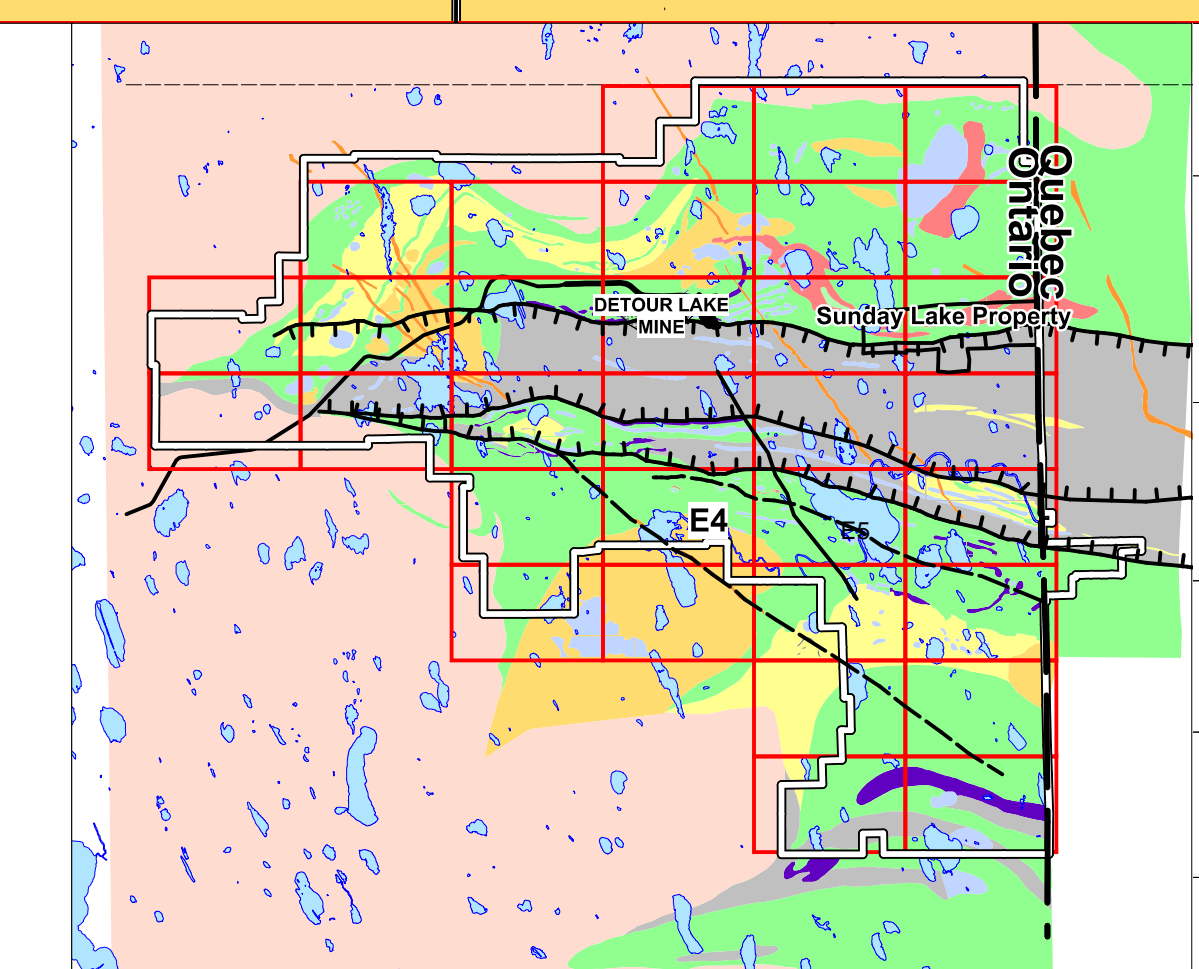
- Intrusives**
- Felsic Intrusive - FI
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  - Mafic Intrusive - MI, GB
- Caopatina Assemblage**
- Clastic Sediments GWE, Arg, CON

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- Felsic MetaVolcanic - FV
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Mvp - pillow flow, MVm - massive flow
  - Ultramafic-Mafic MetaVolcanic - U
  - Iron Formation - IF
- Opatica**
- Basement Gneiss - GN

- Deformation Zone
- Faults
- Bedding / Contact (S0)
- ↗ Foliation (S1)
- ↘ Foliation (S2)
- ↖ Foliation (S3)
- ↗ Polarity
- Quartz Vein

- Sheared Zone
- ← Lineation
- ⇐ Sinistral Fault
- ⇒ Dextral Fault
- ↖ Minor Fold with dip
- ↙ Minor Fold with plunge
- ↕ Anticline with Plunge

- Fracture
- Property Boundary
- Claims / Dispositions
- Lake / River
- × Outcrop Stations



Map Sheet E4

**DETOUR GOLD.**

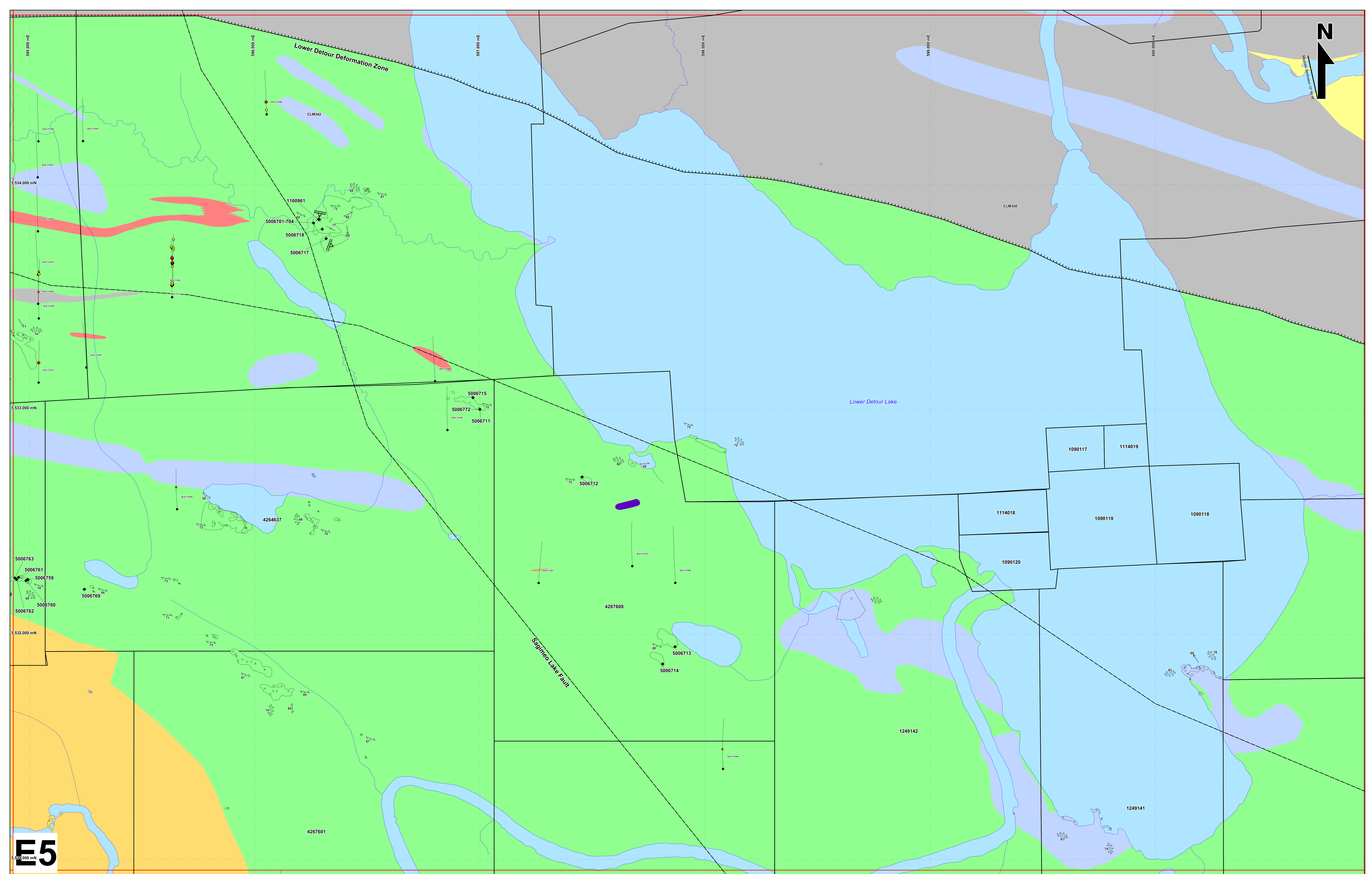
**Detour Lake Property Geology Map**

0 2.5 km

Author: Adree Delazzer Date: April 2014

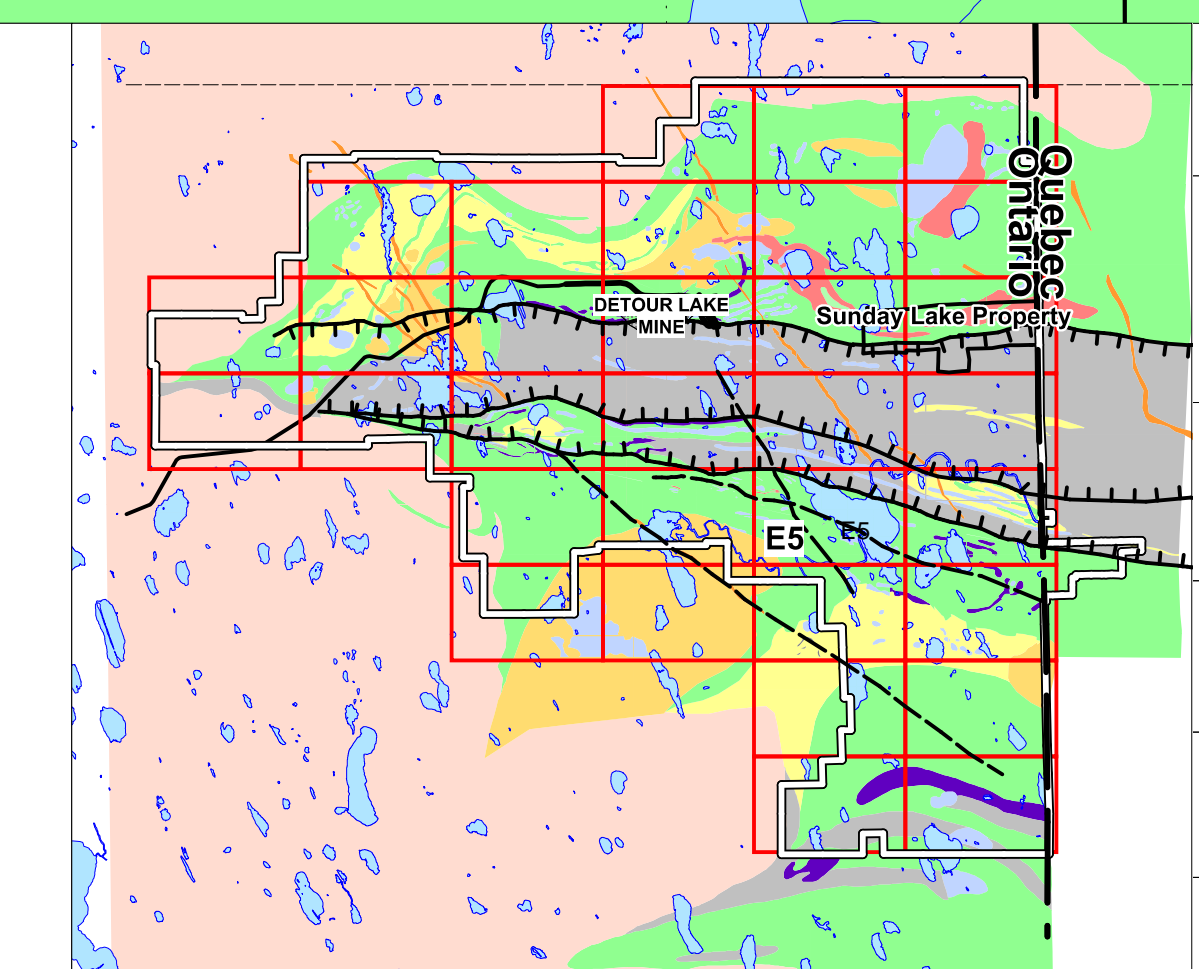
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**E5**

- |   |  |  |   |   |  |
|---|--|--|---|---|--|
| <p><b>HoleID</b></p> <ul style="list-style-type: none"> <li>◆ &gt;1 Au gT/m</li> <li>◇ 0.5 to 1 Au gT/m</li> <li>+ 2012-2013 Grab Samples</li> <li>◆ &gt; 0.1 Au gTChannel Grab Sample</li> <li>□ 2013 Channel Samples</li> </ul> | <p><b>Intrusives</b></p> <ul style="list-style-type: none"> <li>■ Felsic Intrusive - FI</li> <li>■ Intermediate Intrusive - II</li> <li>■ Mafic Intrusive - MI, GB</li> </ul> <p><b>Caopatina Assemblage</b></p> <ul style="list-style-type: none"> <li>■ Clastic Sediments GWE, Arg, CON</li> </ul> | <p><b>Deloro Group</b></p> <ul style="list-style-type: none"> <li>■ Felsic MetaVolcanic - FV</li> <li>■ Mafic-Intermediate Volcanic (MV)<br/>MVp - pillow flow, MVm - massive flow</li> <li>■ Ultramafic-Mafic MetaVolcanic - U</li> <li>■ Iron Formation - IF</li> </ul> <p><b>Opatica</b></p> <ul style="list-style-type: none"> <li>■ Basement Gneiss - GN</li> </ul> | <ul style="list-style-type: none"> <li>--- Deformation Zone</li> <li>--- Faults</li> <li>— Bedding / Contact (S0)</li> <li>↗ Foliation (S1)</li> <li>↘ Foliation (S2)</li> <li>↖ Foliation (S3)</li> <li>▲ Polarity</li> <li>→ Quartz Vein</li> </ul> | <ul style="list-style-type: none"> <li>~ Sheared Zone</li> <li>← Lineation</li> <li>⇐ Sinistral Fault</li> <li>⇐ Dextral Fault</li> <li>↖ Minor Fold with dip</li> <li>↖ Minor Fold with plunge</li> <li>↕ Anticline with Plunge</li> </ul> | <ul style="list-style-type: none"> <li>— Fracture</li> <li>□ Property Boundary</li> <li>□ Claims / Dispositions</li> <li>■ Lake / River</li> <li>× Outcrop Stations</li> </ul> |
|---|--|--|---|---|--|



Map Sheet E5

**DETOUR GOLD.**

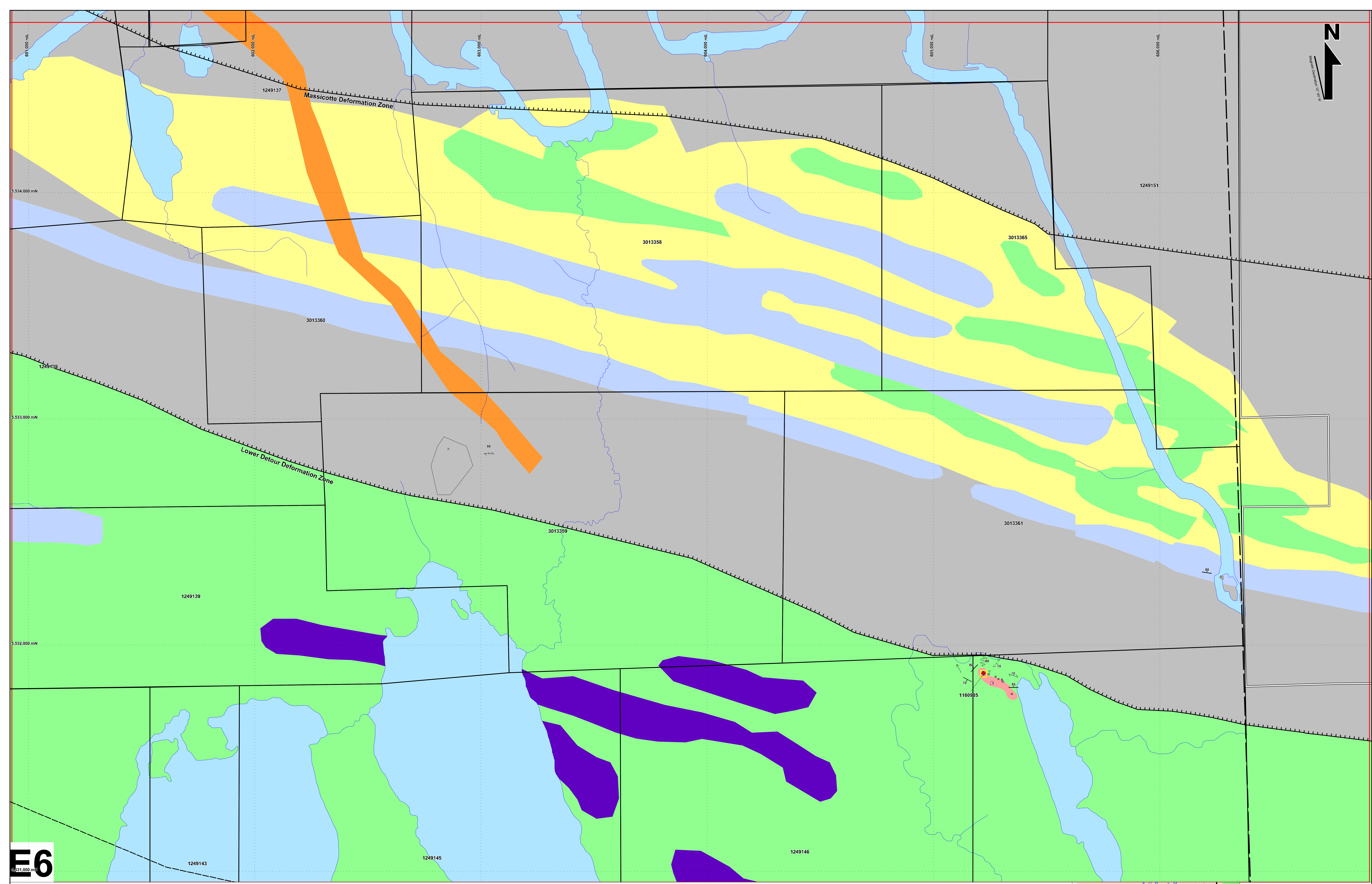
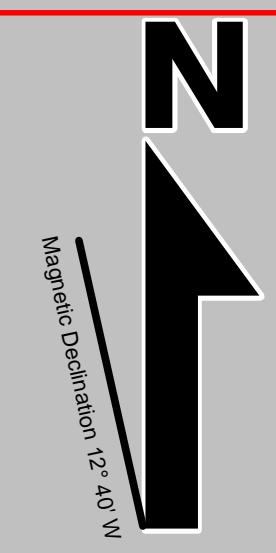
**Detour Lake Property Geology Map**

0 2.5 km

Author: Adree Delazzer Date: April 2014

Scale: 1:5,000 Datum: NAD83Zn17





E6

- HoldID**
- >1 Au gT/m
  - ◊ 0.5 to 1 Au gT/m
  - + 2012-2013 Grab Samples
  - > 0.1 Au gT Channel Grab Sample
  - 2013 Channel Samples

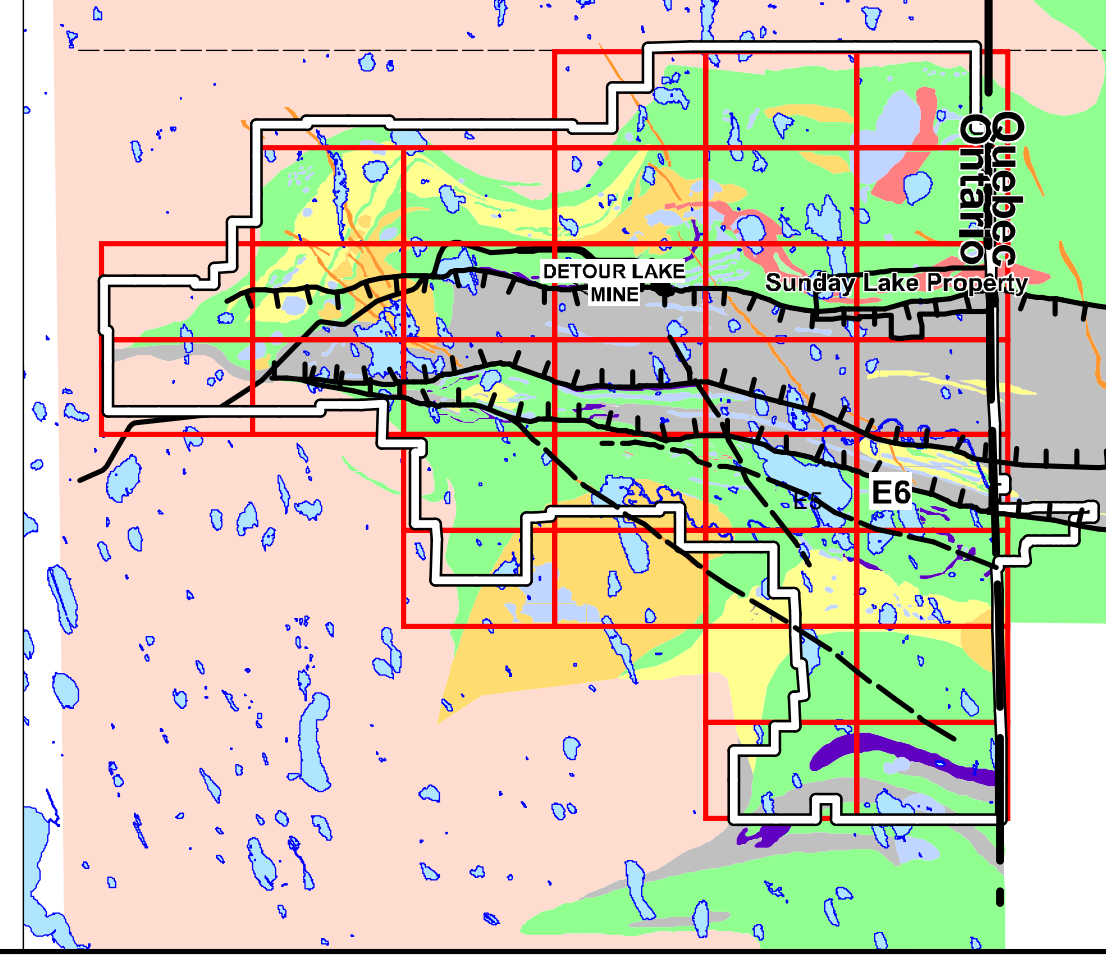
- Intrusives**
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- Caopatina Assemblage**
- Clastic Sediments GWE, Arg, CON

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  - Iron Formation - IF
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- Foliation (S2)
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- Polarity
- Quartz Vein

- Sheared Zone
- ← Lineation
- ⇐ Sinistral Fault
- ⇒ Dextral Fault
- ↯ Minor Fold with dip
- ↷ Minor Fold with plunge
- ↯ Anticline with Plunge

- Fracture
- Property Boundary
- Claims / Dispositions
- Lake / River
- × Outcrop Stations



Map Sheet E6

**DETOUR GOLD.**

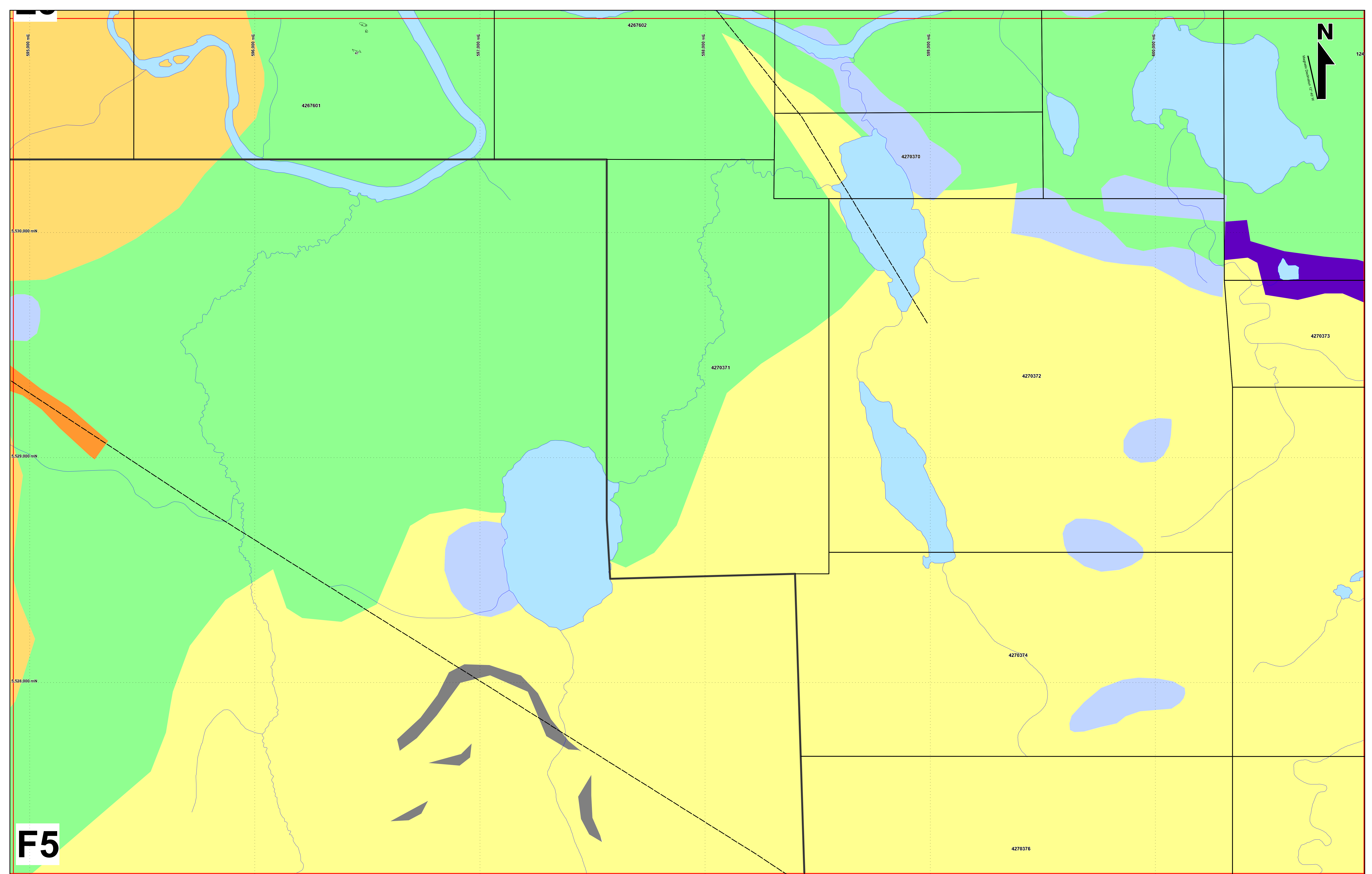
**Detour Lake Property Geology Map**

0 2.5 km

Author: Adree Delazzer Date: April 2014

Scale: 1:5,000 Datum: NAD83Zn17





**F5**

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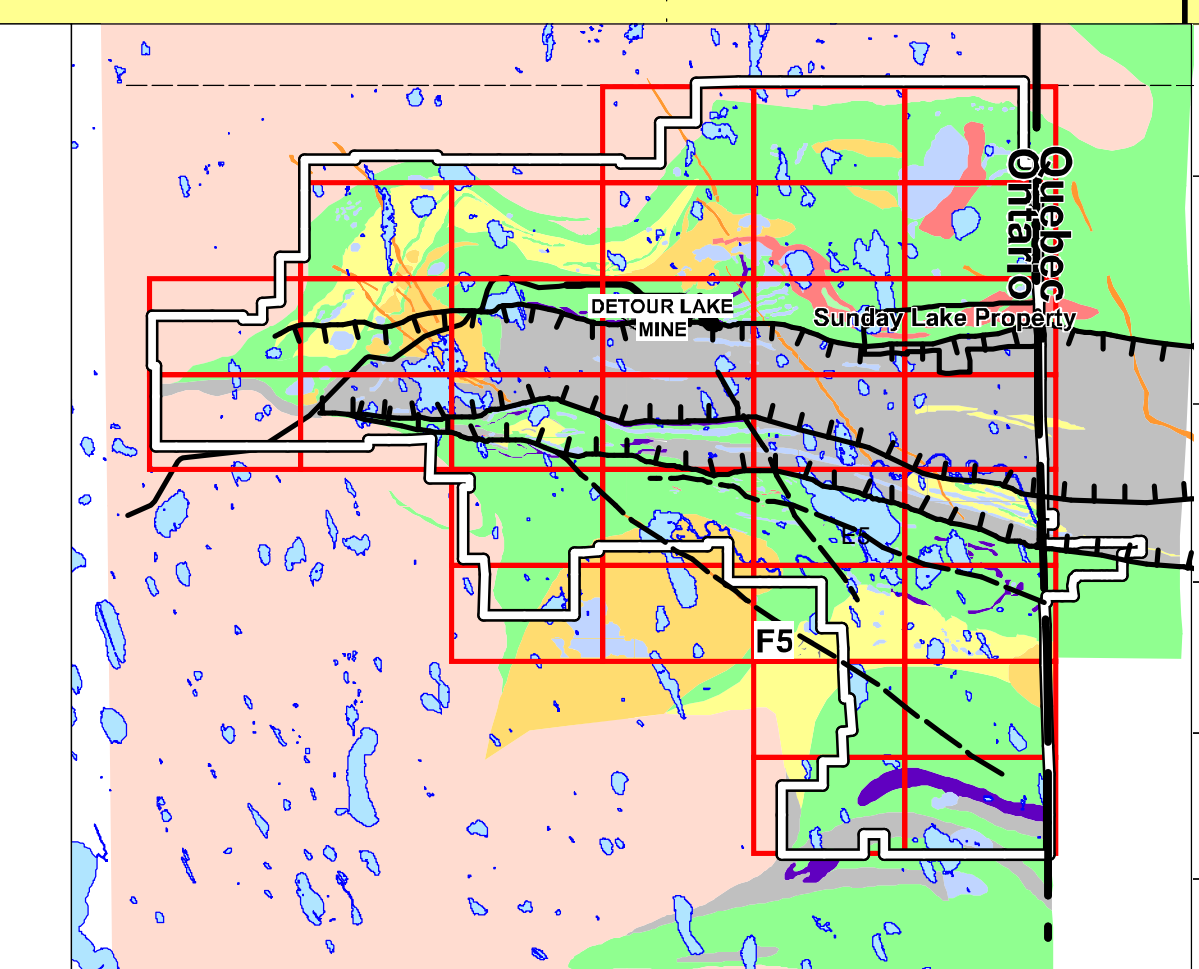
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- Fracture
- Property Boundary
- Claims / Dispositions
- Lake / River
- × Outcrop Stations



Map Sheet F5

**DETOUR GOLD.**

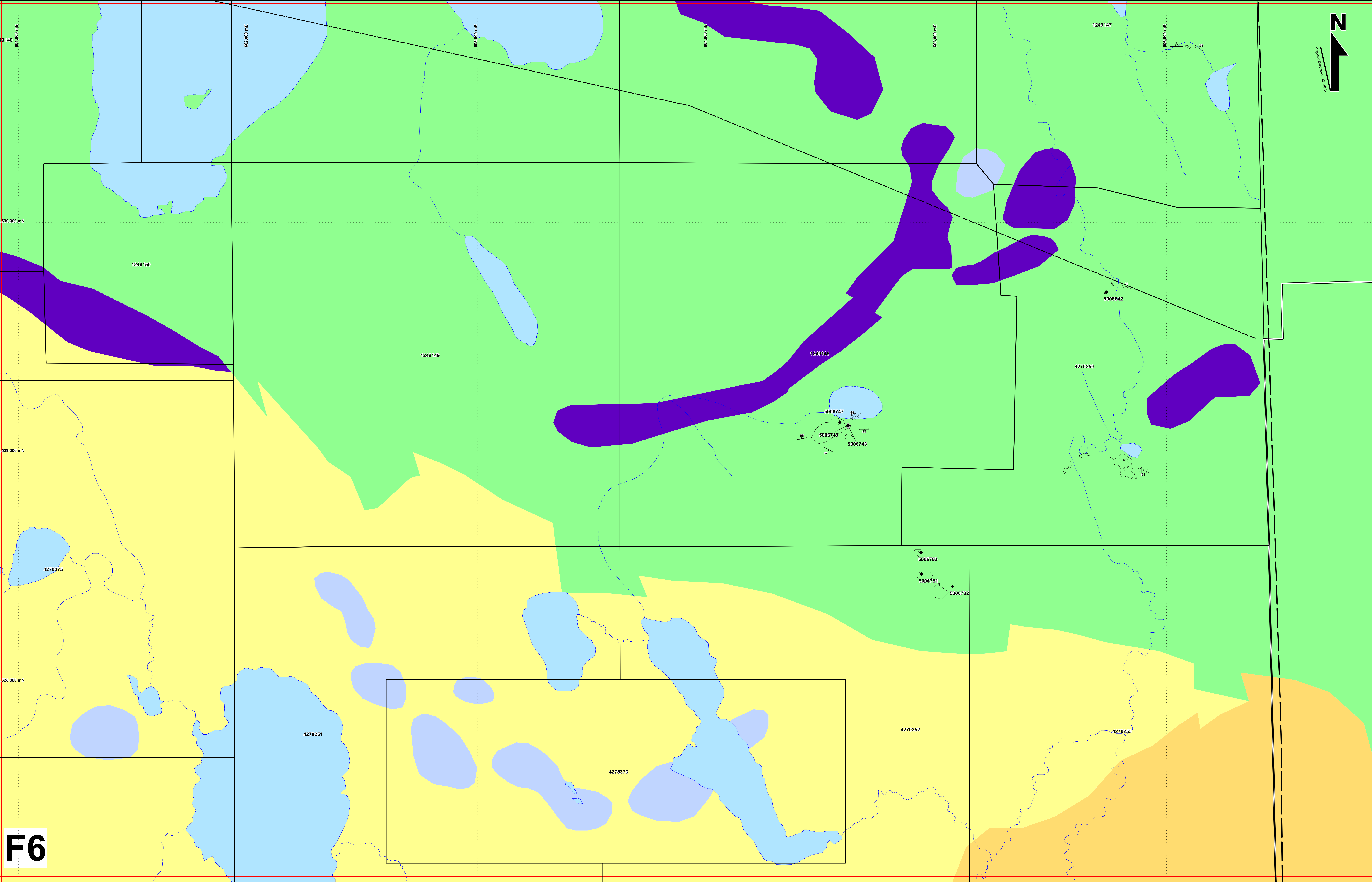
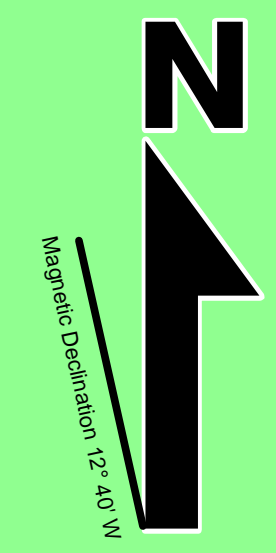
**Detour Lake Property Geology Map**

0 2.5 km

Author: Adree Delazzer Date: April 2014

Scale: 1:5,000 Datum: NAD83Zn17





**F6**

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  - 2013 Channel Samples

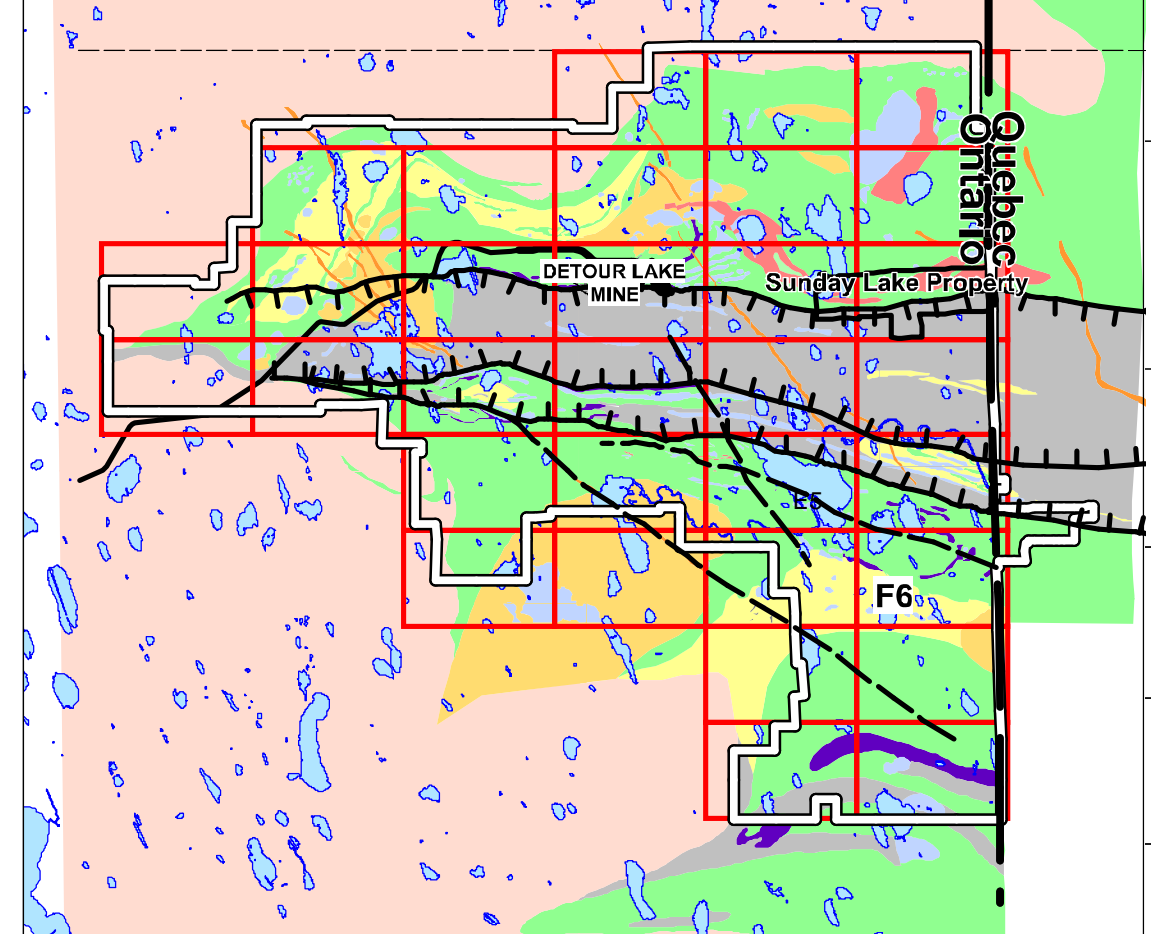
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  - Intermediate Intrusive - II
  - Mafic Intrusive - MI, GB
- Caopatina Assemblage**
- Clastic Sediments GWE, Arg, CON

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- Faults
- Bedding / Contact (S0)
- Foliation (S1)
- Foliation (S2)
- Foliation (S3)
- Polarity
- Quartz Vein

- Sheared Zone
- ← Lineation
- ⇐ Sinistral Fault
- ⇒ Dextral Fault
- ↖ Minor Fold with dip
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- Fracture
- Property Boudary
- Claims / Dispostions
- Lake / River
- × Outcrop Stations



Map Sheet F6

**DETOUR GOLD.**

**Detour Lake Property Geology Map**

0 2.5 km

Author: Adree Delazzer Date: April 2014

Scale: 1:5,000 Datum: NAD83Zn17

**Attribute Data**

Submitter Name: Robert Bailey

Tel: 705-268-9686

**Technical Report**

Report Title: 2008 Report of Activities on the Lower Detour Lake Properties 2012 & 2013

Report Year: 2014

Number of Pages: 21

Report Author: Charles Hartley

Company Work Performed For: Detour Gold Corporation

Digital File Name: Lower Detour Lake Regional Exploration 2012 and 2013 Final.pdf