



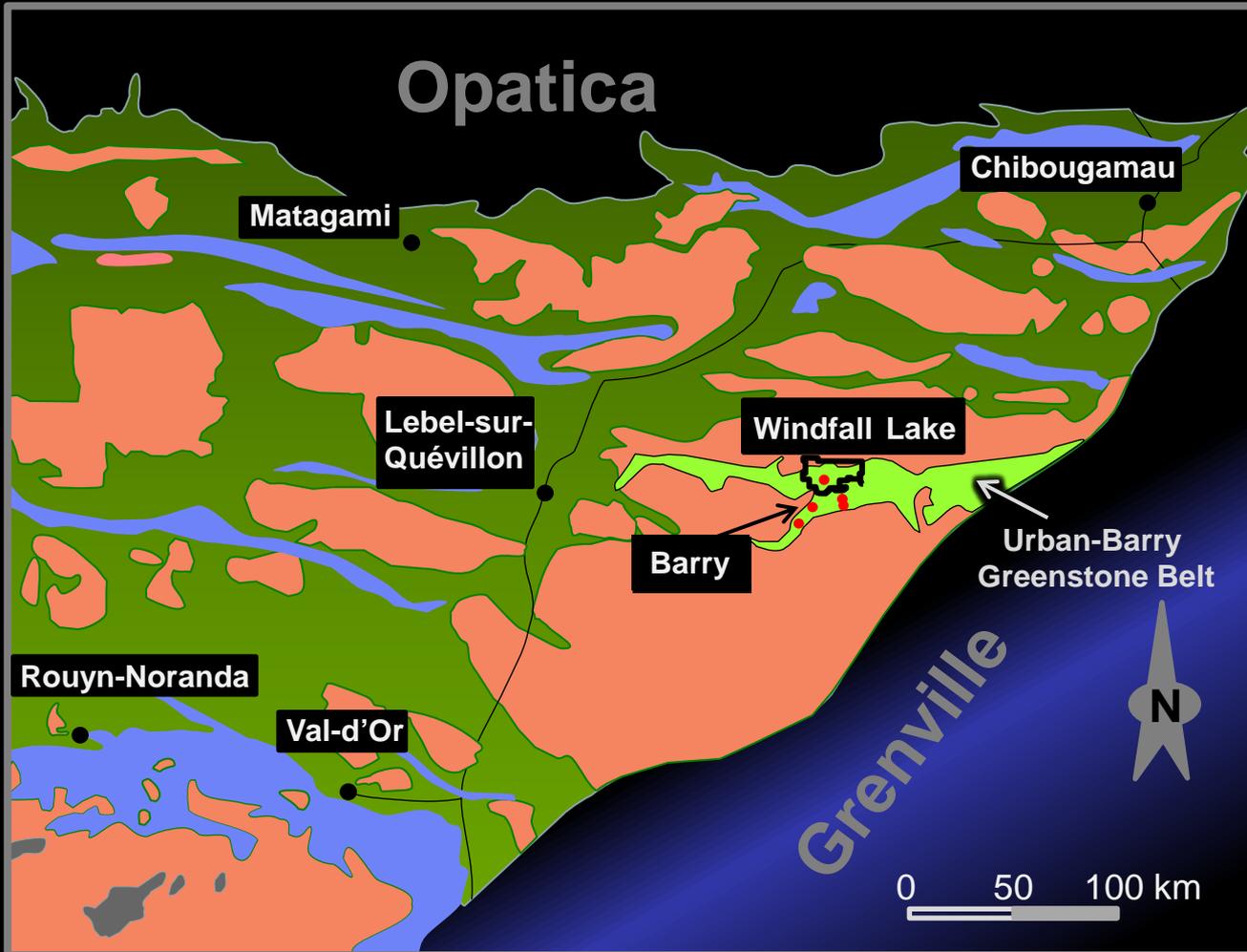
EAGLE HILL

EXPLORATION



**Modèle géologique et implications régionales du
projet aurifère Windfall, Abitibi**

Ceinture de roches vertes d'Urban-Barry



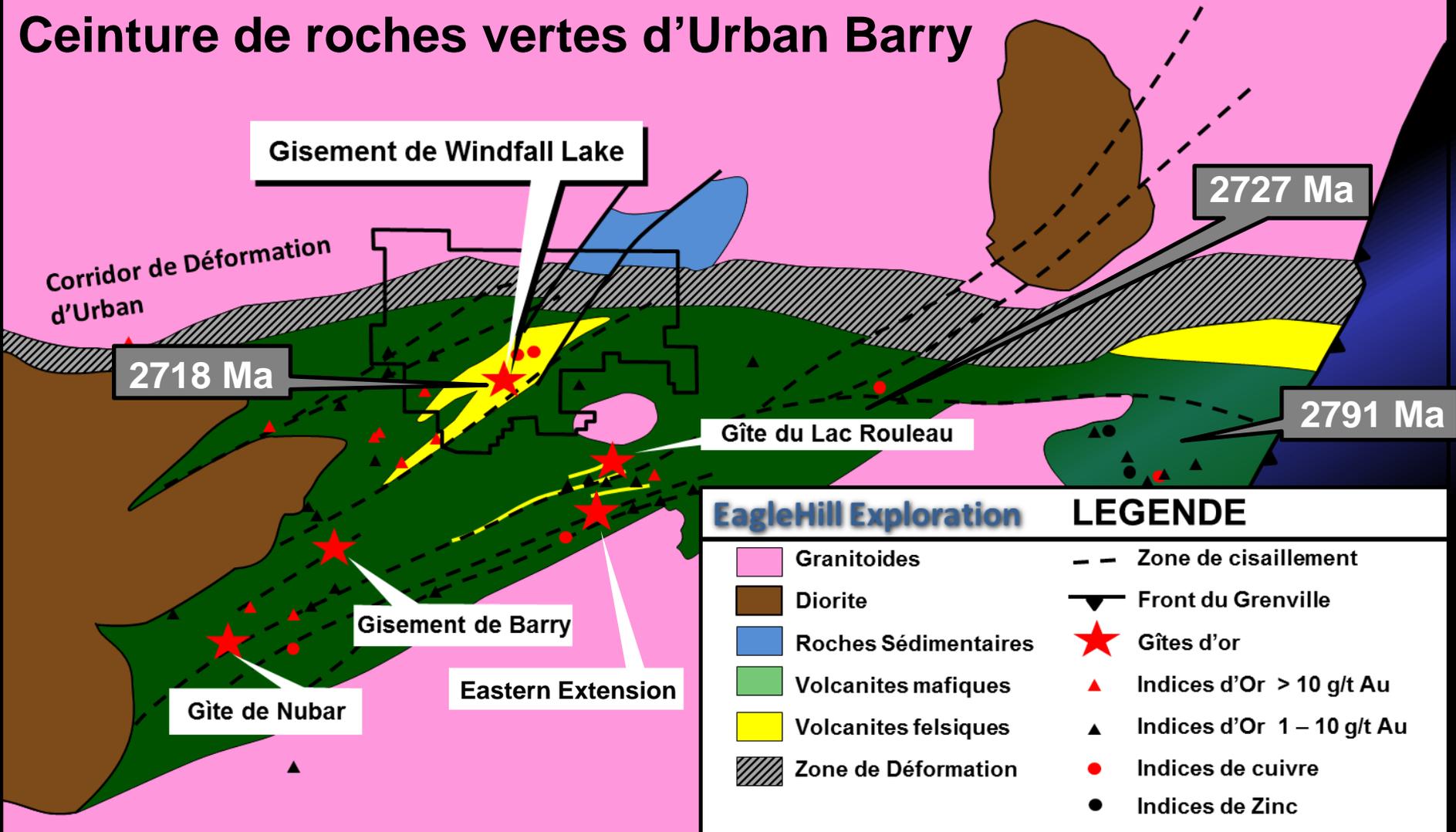
Situé entre Val-d'Or
et Chibougamau

Accès toute l'année

Rampe d'exploration

Plus de 600 DDH

Ceinture de roches vertes d'Urban Barry

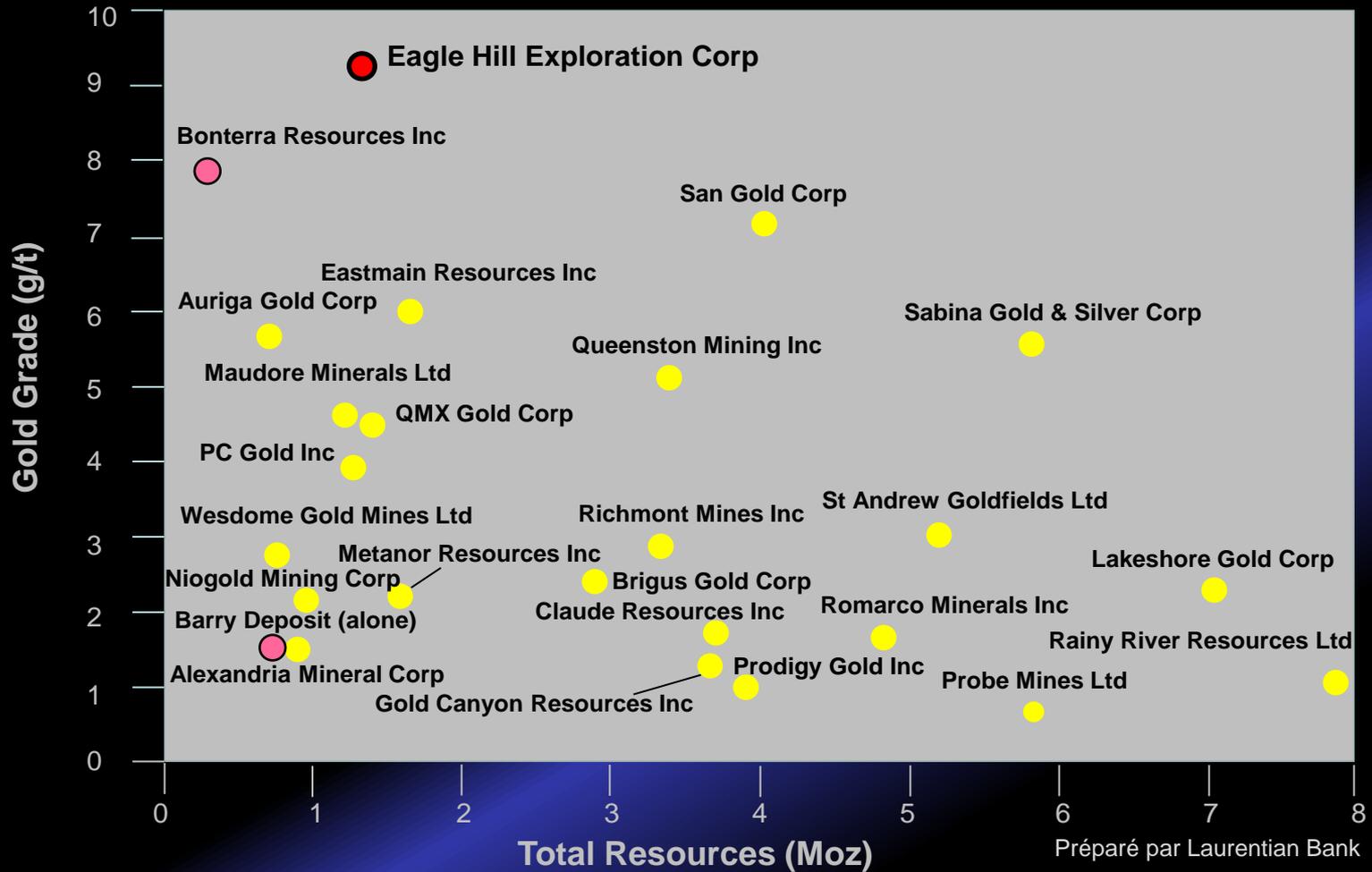


ESTIMÉ DE LA RESSOURCE MINÉRALE – Windfall Lake

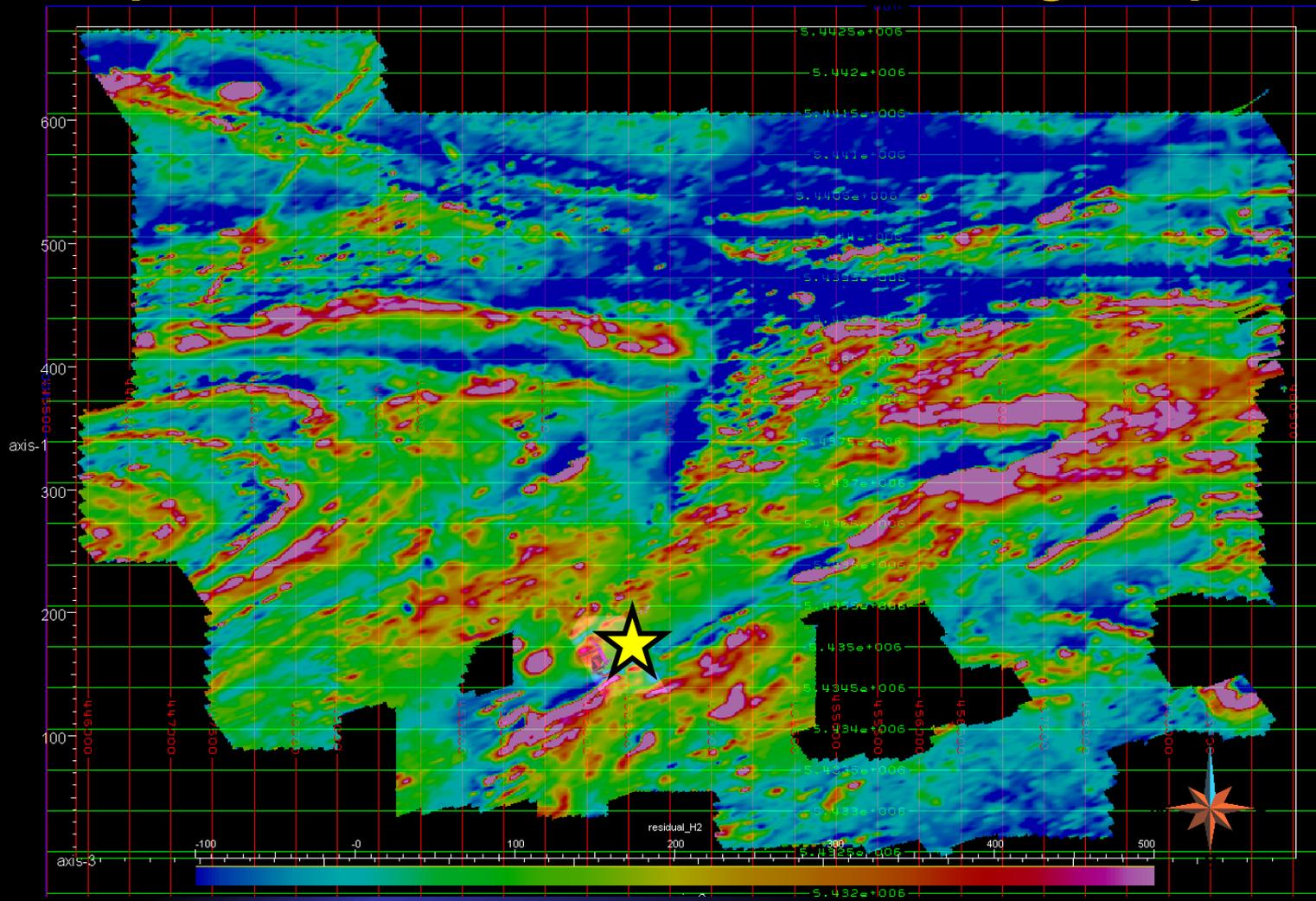
Classification/Zone	Quantity (000 tonnes)	Grade Gold (gpt)	Contained Gold (000 ounces)
Indicated			
Main Zone	1,665	10.05	538
F17 Zone	—	—	—
F51 Zone	—	—	—
Total Indicated	1,665	10.05	538
Inferred			
Main Zone	2,659	8.95	768
F17 Zone	178	7.62	44
F51 Zone	69	4.49	10
Total Inferred	2,906	8.76	822

Cut-off grade 3.0 gpt. Assuming an UG mining scenario, gold price at US\$1,200 per ounce and a recovery of 97%.

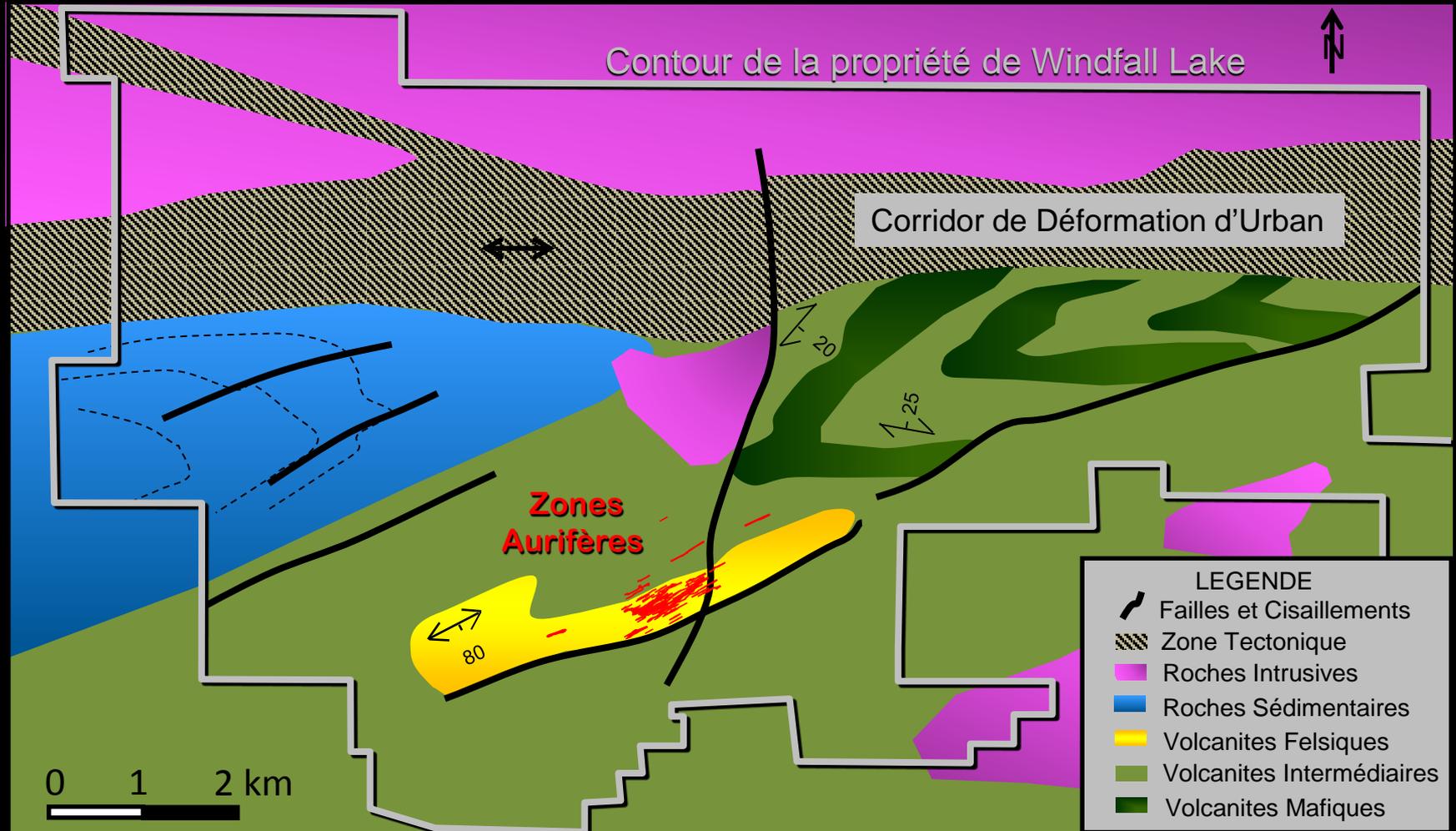
SRK Consulting (Canada) Inc.
July 25, 2012.



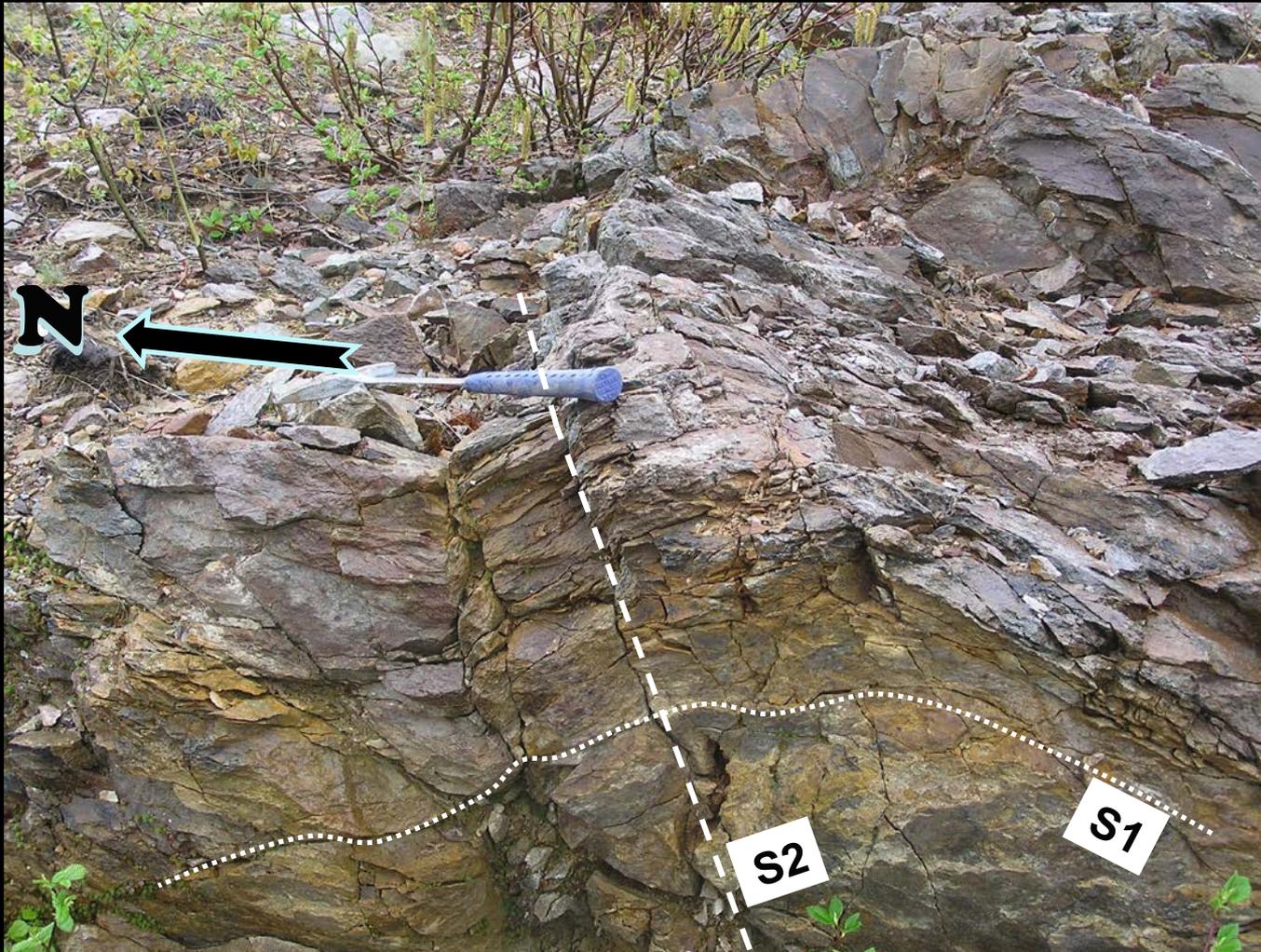
Propriété de Windfall Lake – Carte magnétique



Géologie de la propriété de Windfall Lake



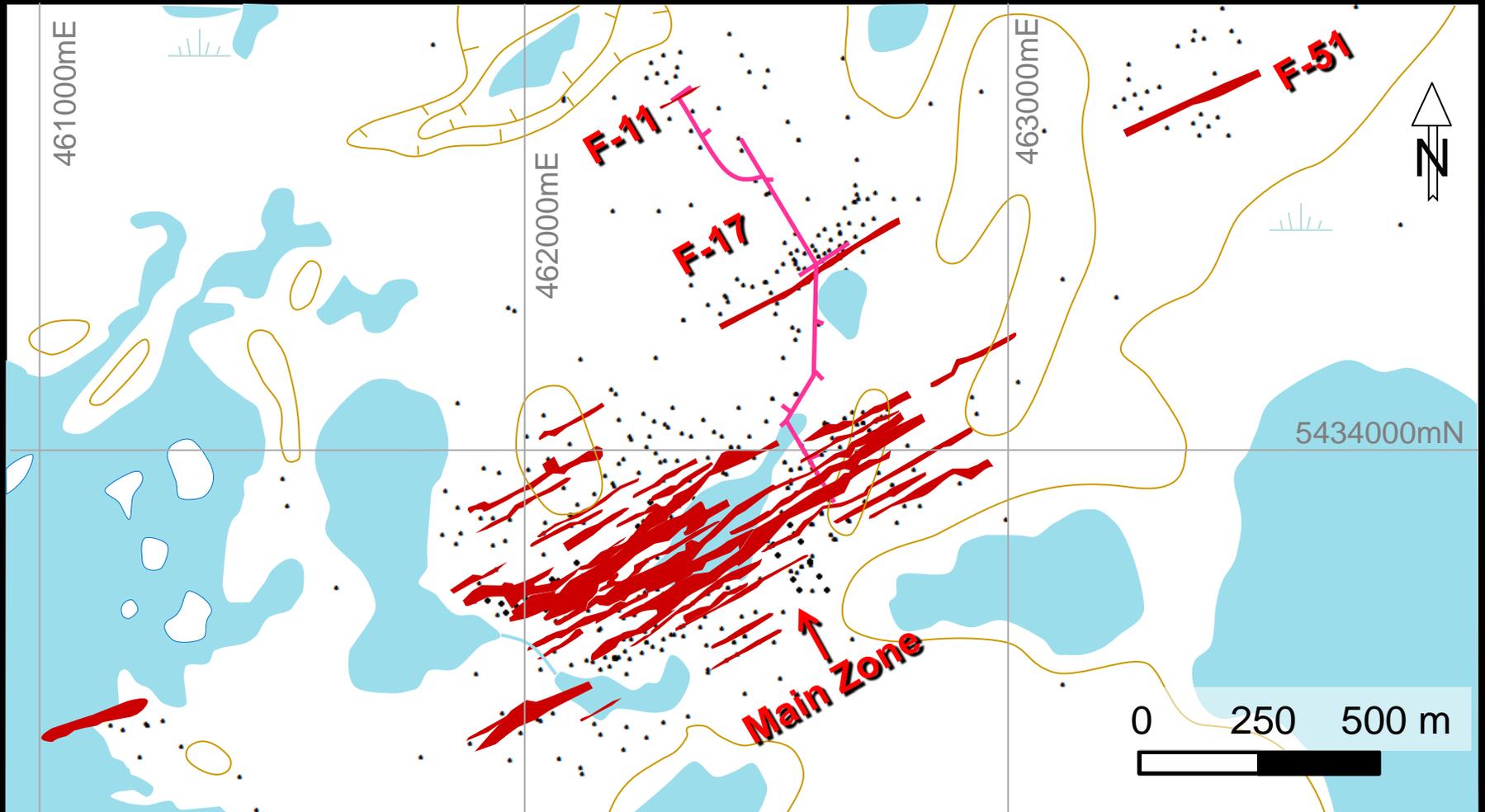
Fabriques Tectoniques Principales – vue vers l'ENE

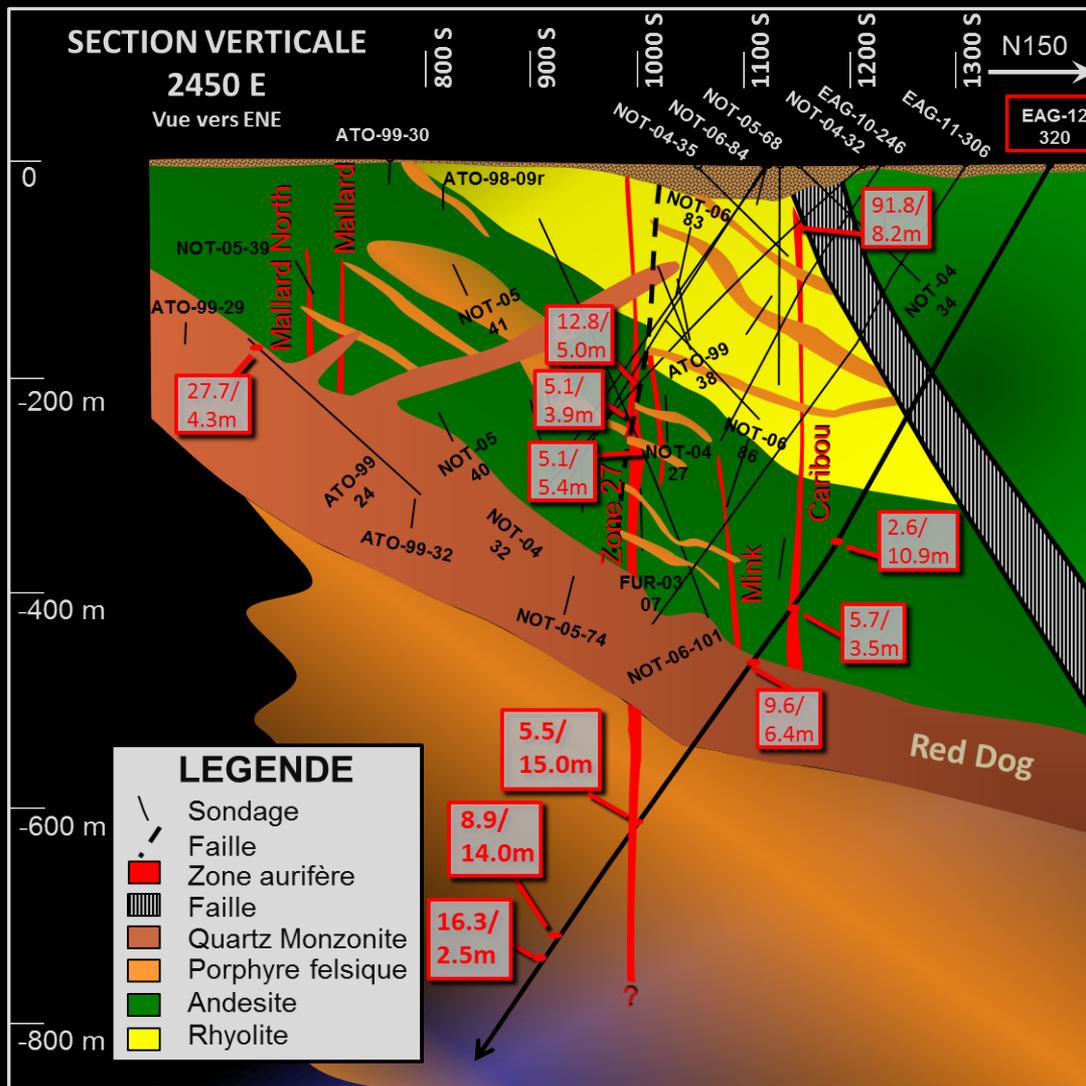


2 premières phases
De déformation
=
Géométrie
des roches volcaniques

- S1: Pendage faible
Chevauchement
- S2: ENE / pendage fort
Foliation Régionale

Zones aurifères à Windfall Lake

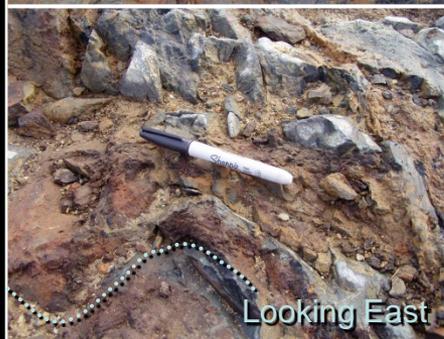




Stockwork de Py-Tm
Alteration sericite-silice
Zones verticales

Premier événement aurifère parallèle à S1 –veines plissées

Jusqu'à 87 g/t Au
en rainures



**Deuxième événement aurifère – Principal :
Épais Stockwork de Pyrite et Cisaillements ENE**

Zone Caribou

Zone F-17



4.0 m @ 24.1 g/t Au



9.9 m @ 18.8 g/t Au

Tourmaline associée à la minéralisation en Pyrite



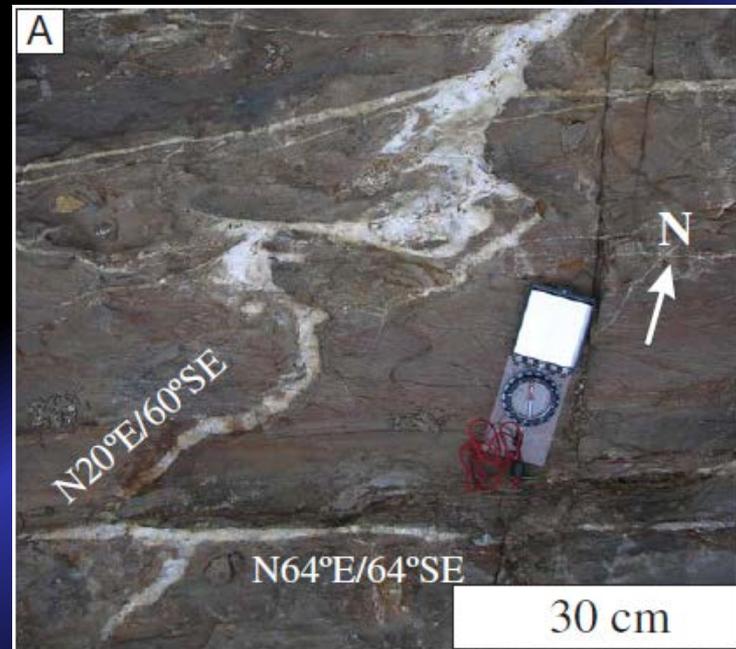
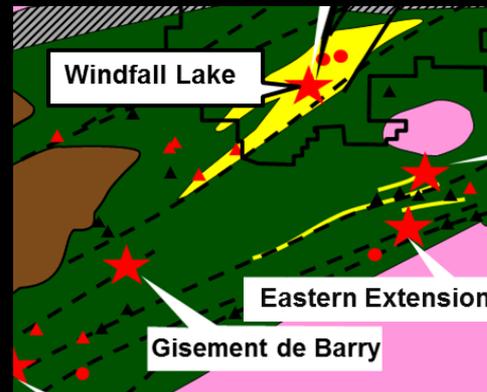
Résultats de forage – EAG-11-259

DDH	FROM	TO	Au	Comments
EAG-11-259	393.0	394.0	1.21	v1b ; 5% py qzcbcl ff bx
EAG-11-259	394.0	395.0	8.60	v1b ; 3-5% py qzcbcl ff bx
EAG-11-259	395.0	396.0	58.50	v1b ; 10-15% py ; 1% cp qzcl ff bx ; mettalic sieve
EAG-11-259	396.0	397.0	4.00	v1b ; 3% py qz(cb)(cl) v + ff bx
EAG-11-259	397.0	398.1	1.64	v1b ; 2-3% py qzcl ff bx
EAG-11-259	398.1	399.0	3.71	t1bl ; 2% py ff bx
EAG-11-259	399.0	400.0	10.05	t1bl ; 15% py qzclser ff bx ; mettalic sieve
EAG-11-259	400.0	401.0	4.87	t1bl ; 5% py + tr cp qzcl(cb) ff bx
EAG-11-259	401.0	402.0	11.35	t1bl ; 10-15% py qz(cb) v + QzCBser(cl) ff bx ; mettalic sieve
EAG-11-259	402.0	403.0	66.40	t1bl ; 15% py + 1% cp qz(cb) v + ff bx ; mettalic sieve
EAG-11-259	403.0	404.0	11.20	t1bl ; 5% py qzcbser ff bx
EAG-11-259	404.0	405.0	13.10	t1bl ; 10% py ser+ qzser ff bx ; mettalic sieve
EAG-11-259	405.0	406.0	10.20	t1bl ; 10-15% py qz(cb) v + ff bx + qztlsercb ff bx ; mettalic sieve
EAG-11-259	406.0	407.0	18.65	t1bl ; 10-15% py + tr cp ff bx ; mettalic sieve
EAG-11-259	407.0	408.0	14.45	t1bl ; 10-15% py + 1% cp qzcl(cb) ff bx + v + inj qzcbclser 20cm ; mettalic sieve
EAG-11-259	408.0	409.0	1.44	t1bl ; ser+ ; 5-7% py dis + ff bx ; double split
EAG-11-259	409.0	410.0	3.91	t1bl ; 5-7% py inj qzcb(tl)cl + ff bx + dis
EAG-11-259	410.0	411.0	5.30	t1bl ; 7-10% py qzser ff bx + inj qzcbcl(tl) ; mettalic sieve
EAG-11-259	411.0	412.0	4.63	t1bl ; 7-10% py inj qzsercl(tl) 10DEG TCA + ff bx ; mettalic sieve
		19 m	13.32	Uncut
		19 m	10.35	Cut to 1 oz/t

GISEMENT DE BARRY

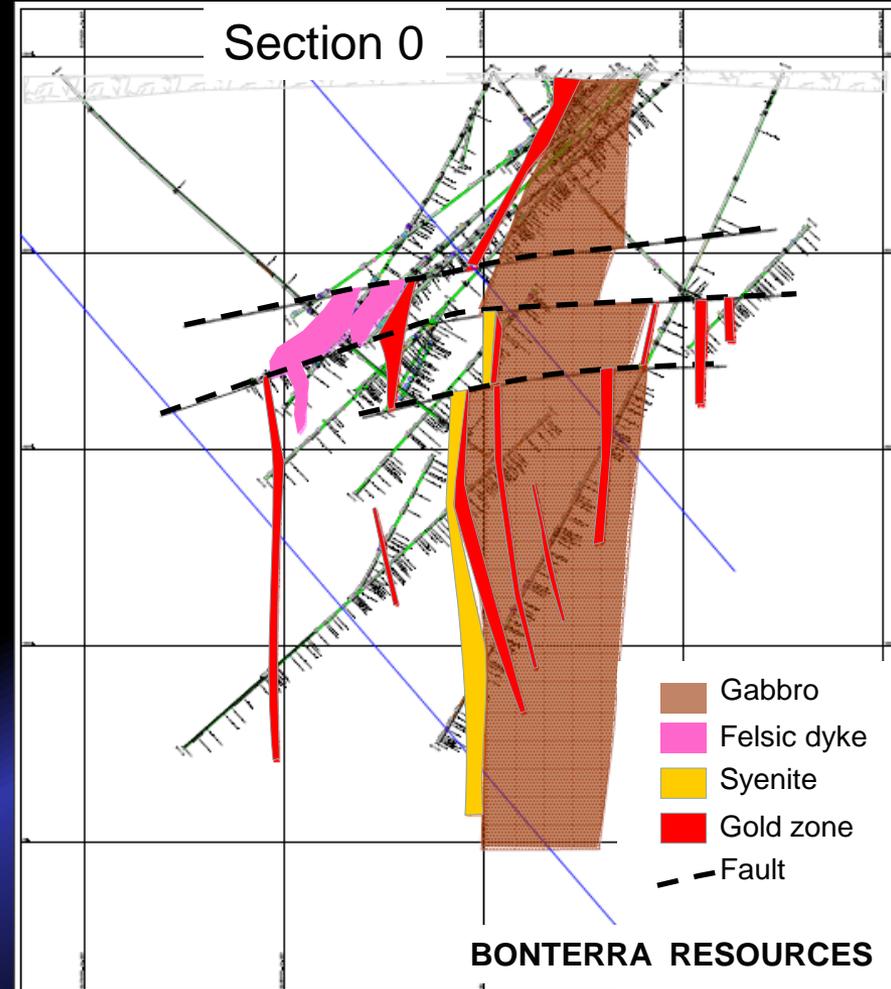
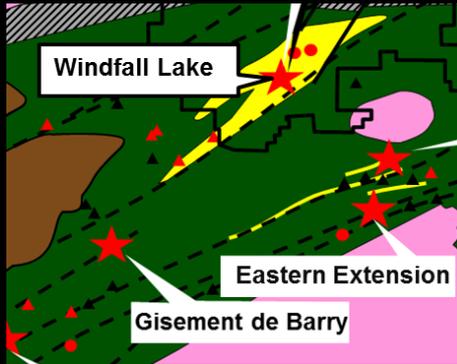


De SGS, 2010

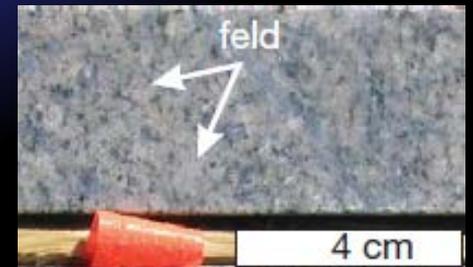
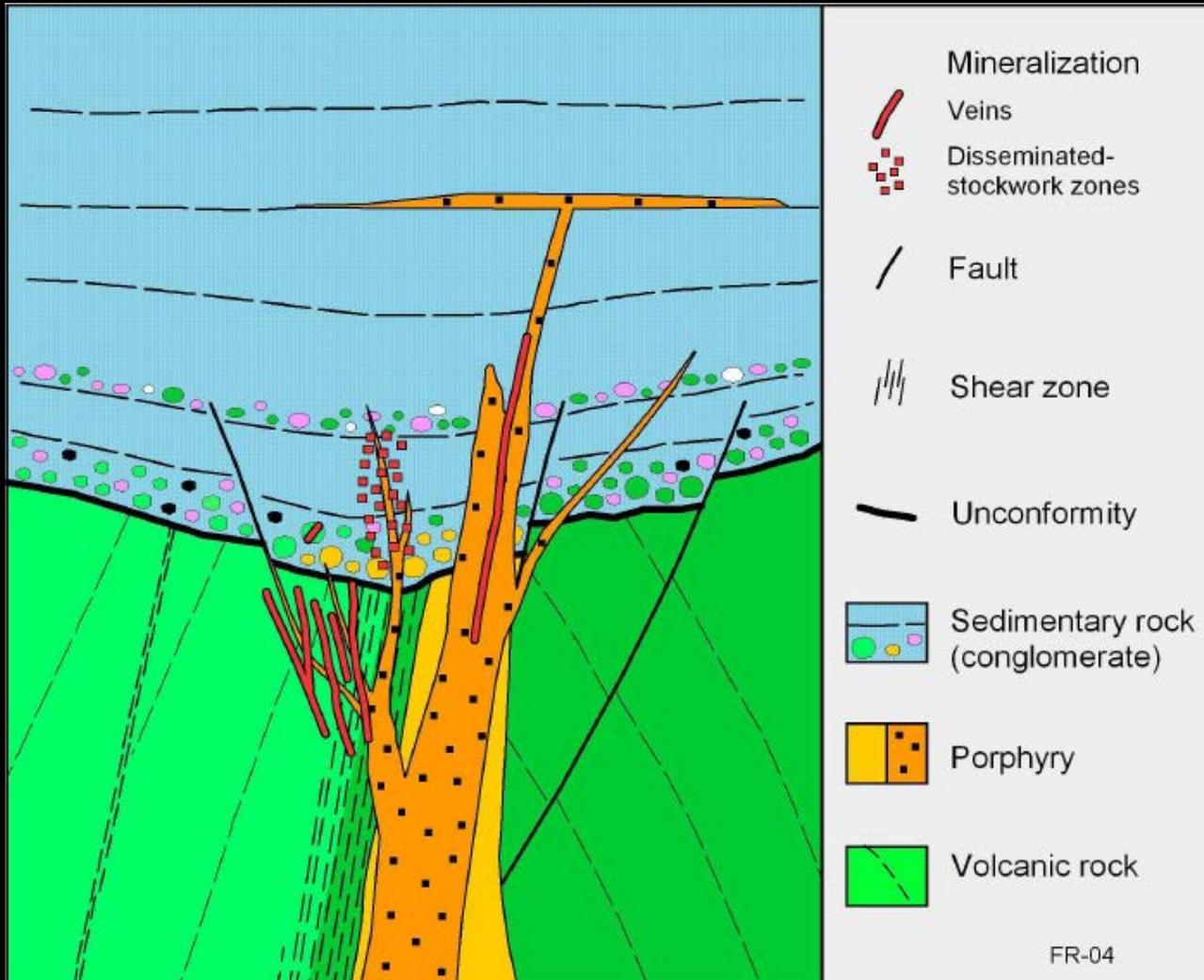


De Kitney et al., 2011

Zone aurifère Eastern Extension



Rôle des intrusions dans le secteur de Windfall Lake Barry et Eastern Ext.



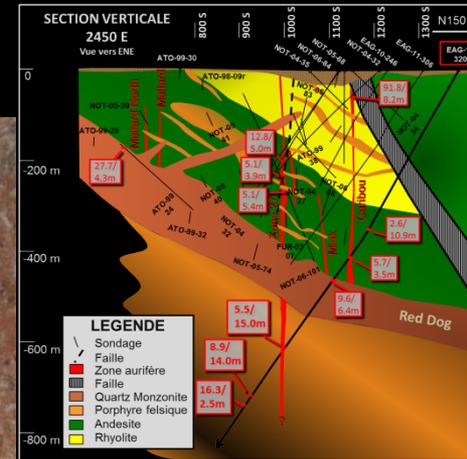
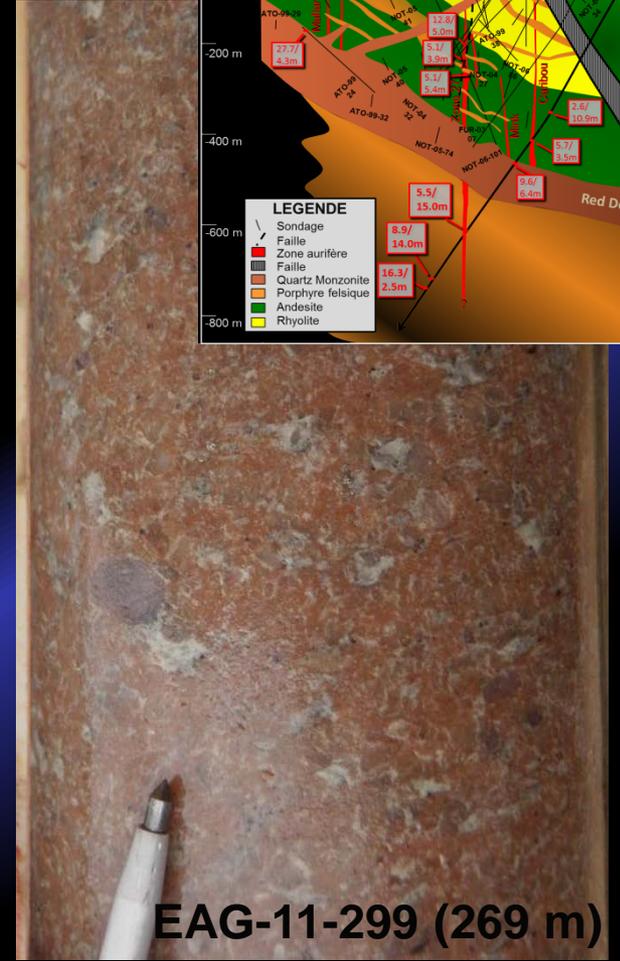
**DYKE DE PORPHYRES
GROS YEUX DE QUARTZ**



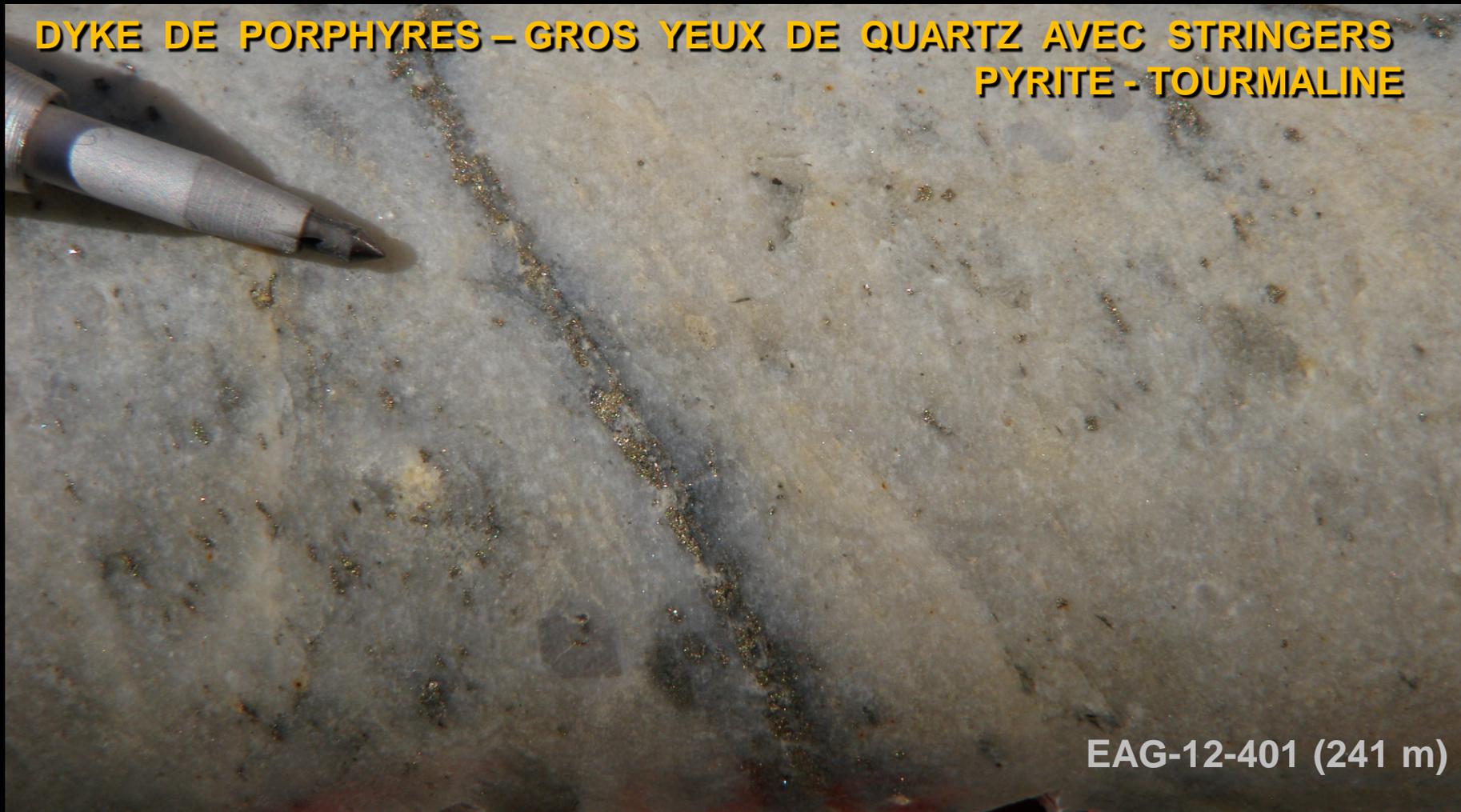
**DYKE DE PORPHYRES
PETITS YEUX DE QUARTZ**



**RED
DOG**

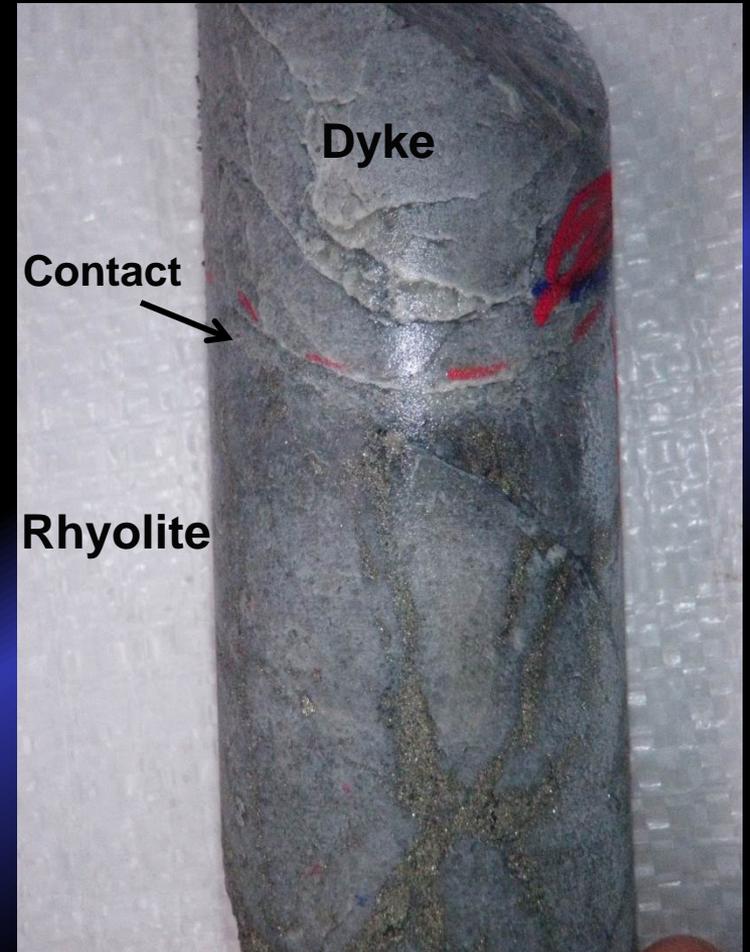


**DYKE DE PORPHYRES – GROS YEUX DE QUARTZ AVEC STRINGERS
PYRITE - TOURMALINE**



EAG-12-401 (241 m)

Dyke de porphyre recoupant le stockwork de pyrite – tourmaline



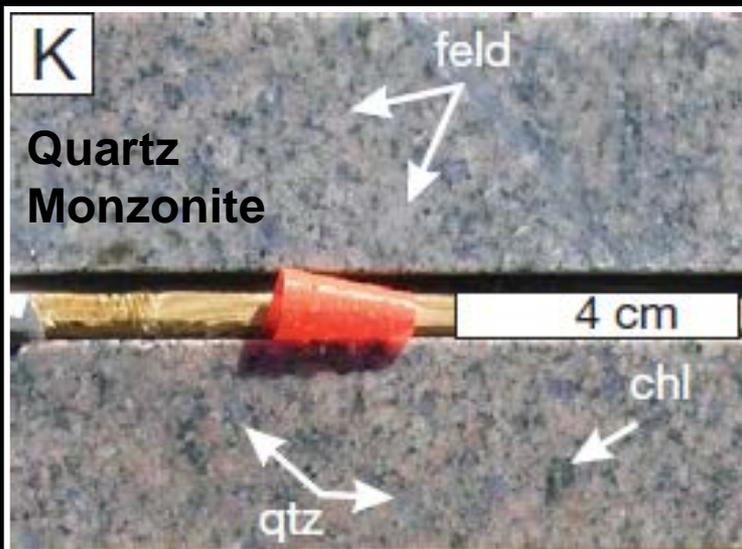
DYKE DE PORPHYRES – PETITS YEUX DE QUARTZ AVEC FRAGMENTS

Fragment avec veinules

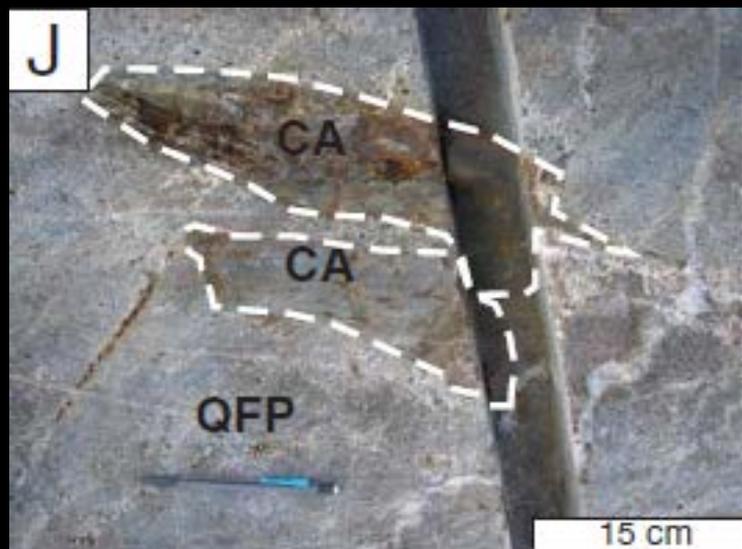
EAG-12-427 (490 m)



GISEMENT D'OR DE BARRY LES INTRUSIONS



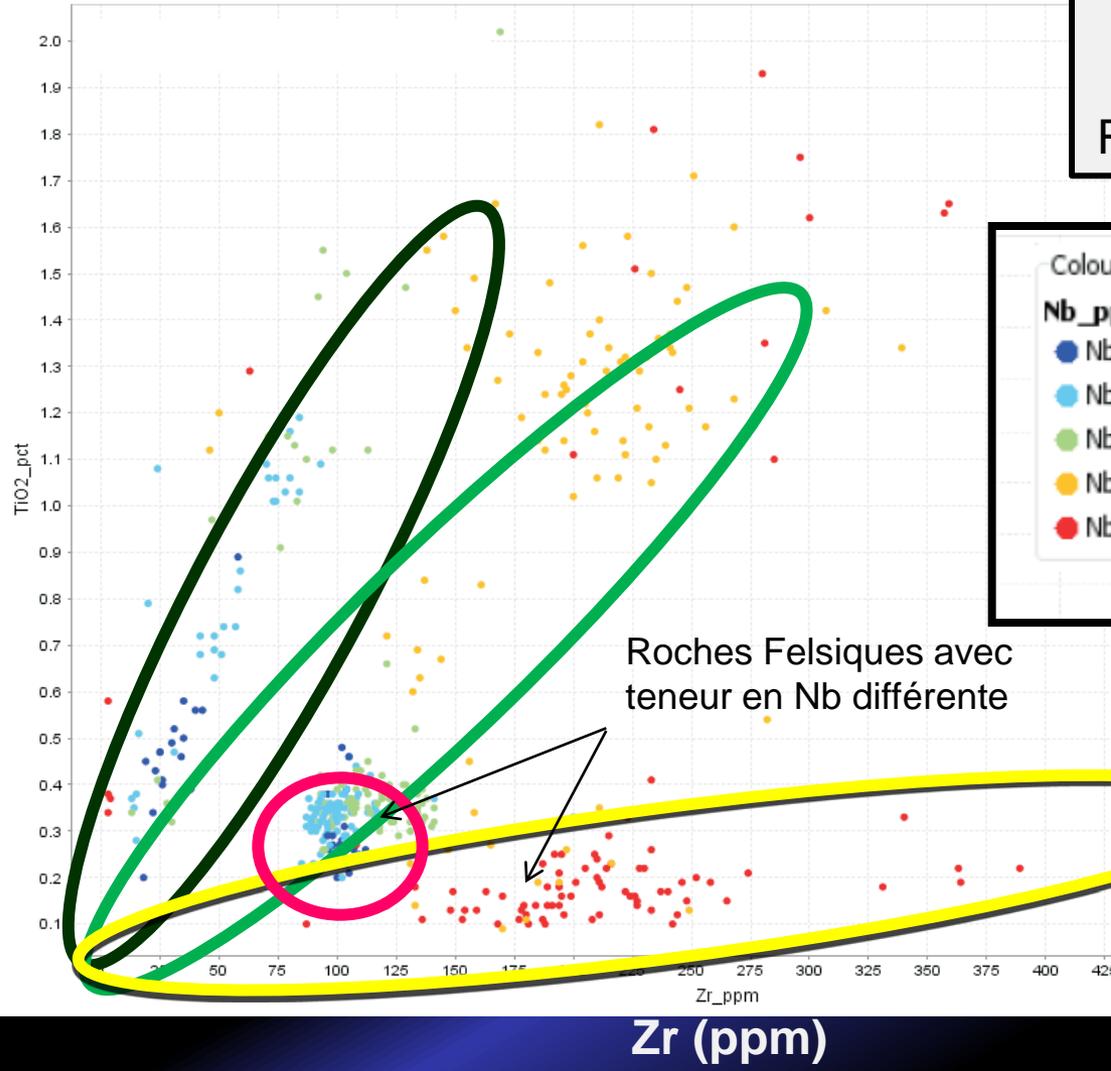
Diorite 3
Pré-minéral



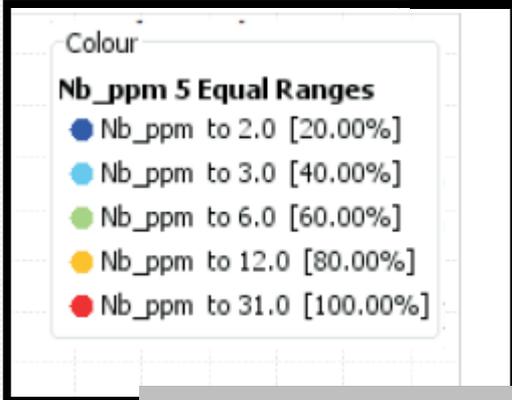
QFP
Post-minéral

De Kitney et al., 2011
et SGS, 2010

Zr_ppm : TiO2_pct

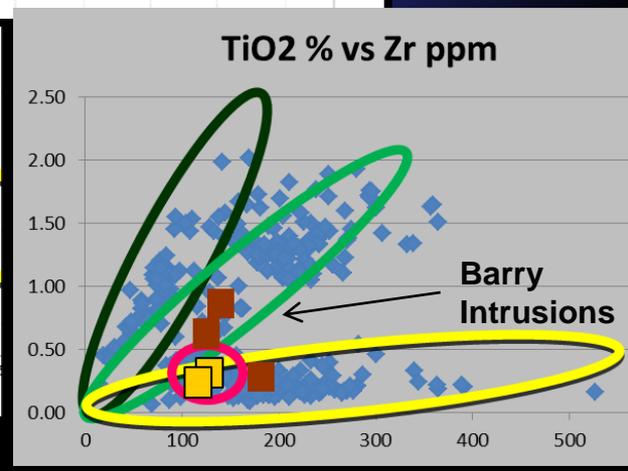


Ratio Zr/Y:
 Roches Volcaniques < 5
 Red Dog - Porphyres: 5-15

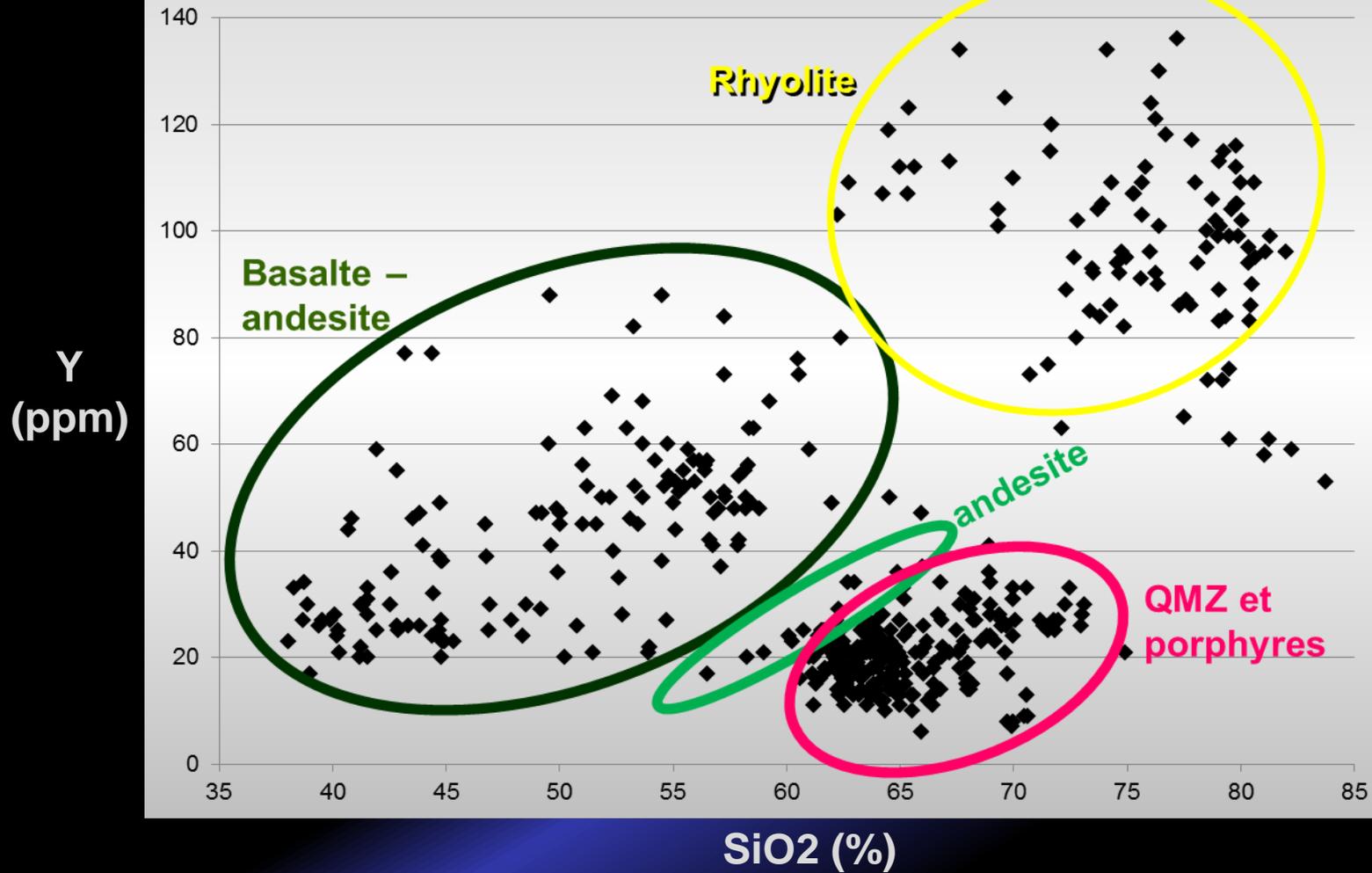


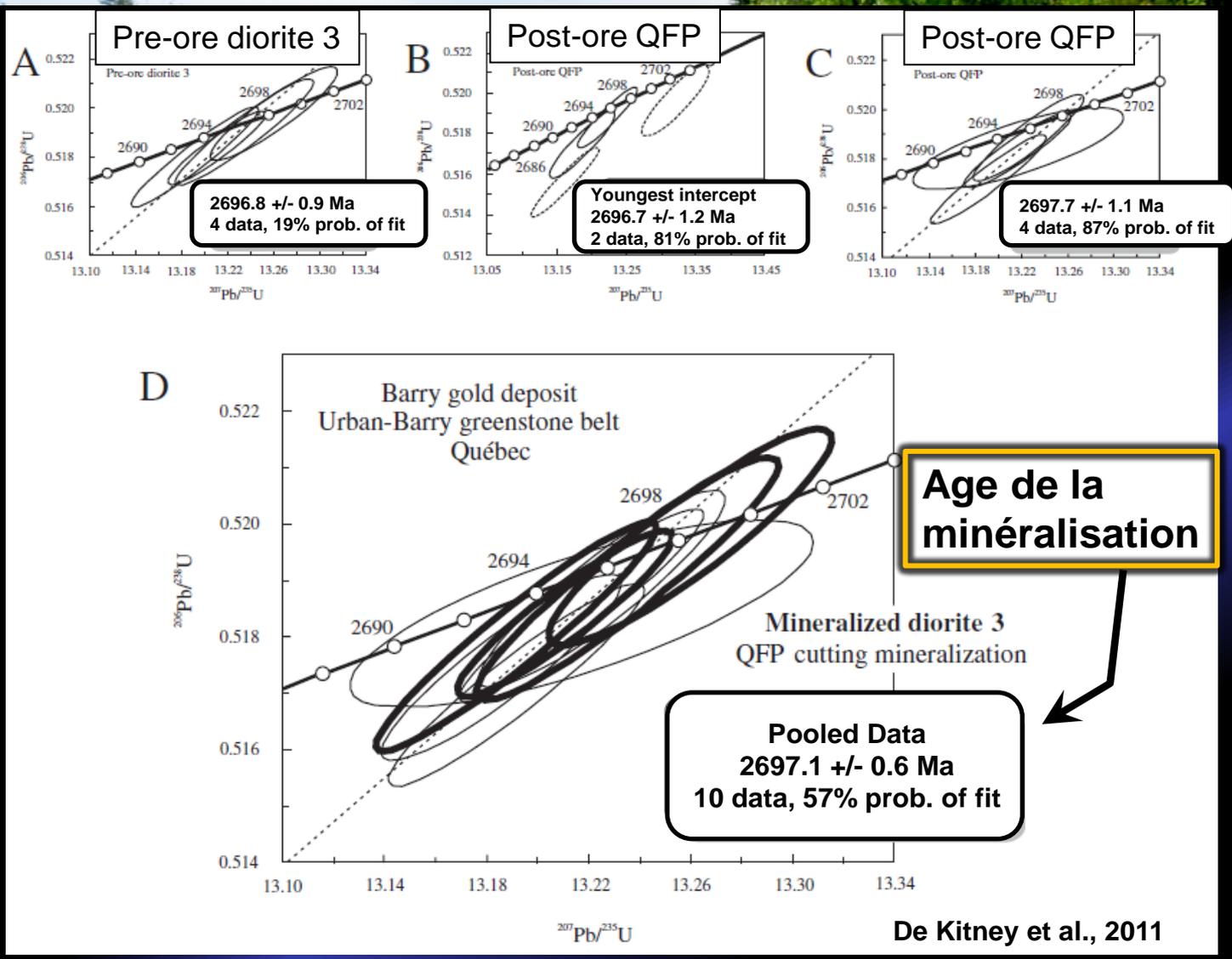
TiO2
(%)

Zr (ppm)

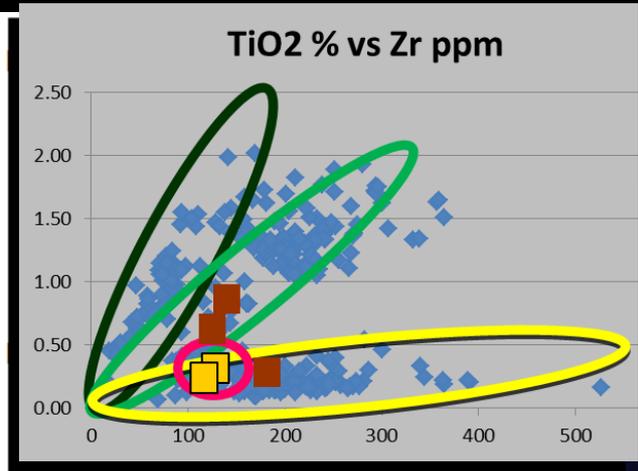
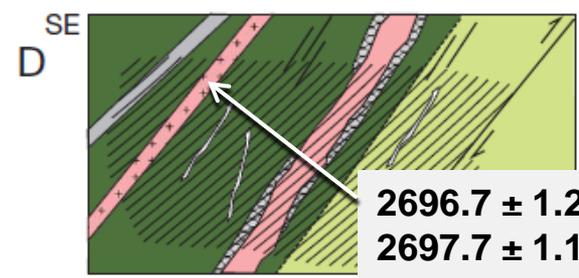
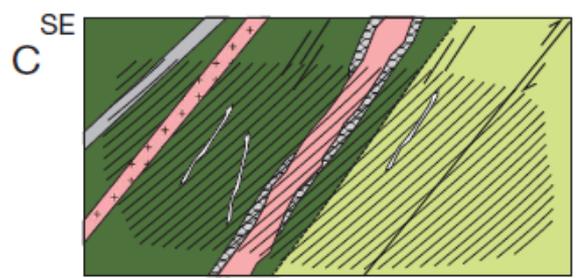
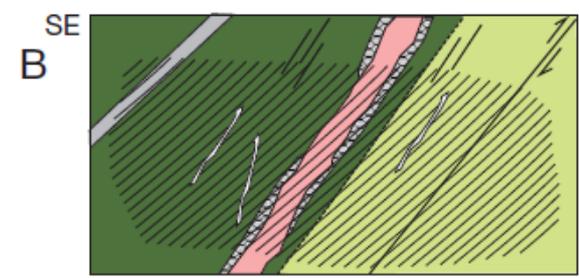


Y vs SiO₂





Datation des dykes au gisement d'or de Barry



Volcanic Rocks
Type A
Type B

Intrusive Rocks
Diorites 1 and 2
Diorite 3
Pre-ore QFP
Post-ore QFP

Mineralized albite-carbonate-quartz vein (not to scale)
Syn-ore carbonate-quartz-pyrite and biotite-carbonate alteration

Foliation
Early Fault



Kitney et al. 2011. Economic Geology

OR DANS LA CEINTURE D'URBAN - BARRY

2 épisodes aurifères

- Premier épisode parallèle à S1 et moins important (?)
- Deuxième épisode parallèle à S2 = Majeur



Veines et stockwork aurifères

- DANS LES DYKES
- RECOUPÉS PAR LES DYKES



Volcanisme autour de 2718 Ma

Or relié à un événement intrusif ~ 2697 Ma

} 21 Ma différence

Intrusions importantes pour l'Or dans Urban-Barry



Merci !

Darrell Turcotte

Fanny Tortiget

Golpira Elmi Assadzadeh

Severine Blouin

Benoit Boudreault et son équipe

Robert Duchesne (Tech2Mine)